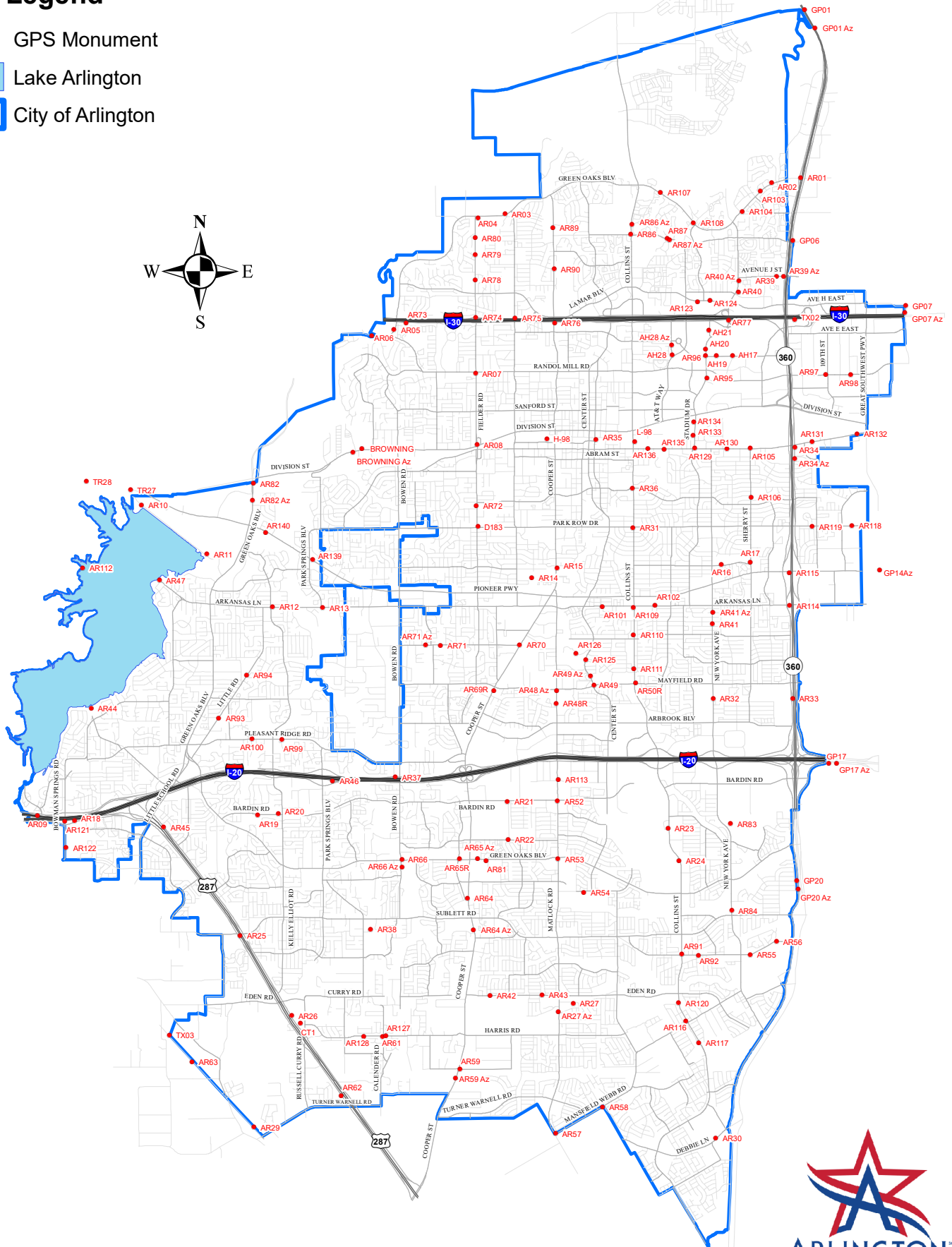
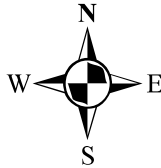


GPS Monumentation

Legend

- GPS Monument
- Lake Arlington
- City of Arlington



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AH 17	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986441	
			Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AH 19	270° 54' 23"	1123.29'		Elevation (Feet) NAVD88 Calculated using Geoid 09
			State: TEXAS	
			Zone: NORTH CENTRAL	395267.66
			Code: 4202	2130705.56
				543.97'



FACING NORTH



FACING EAST

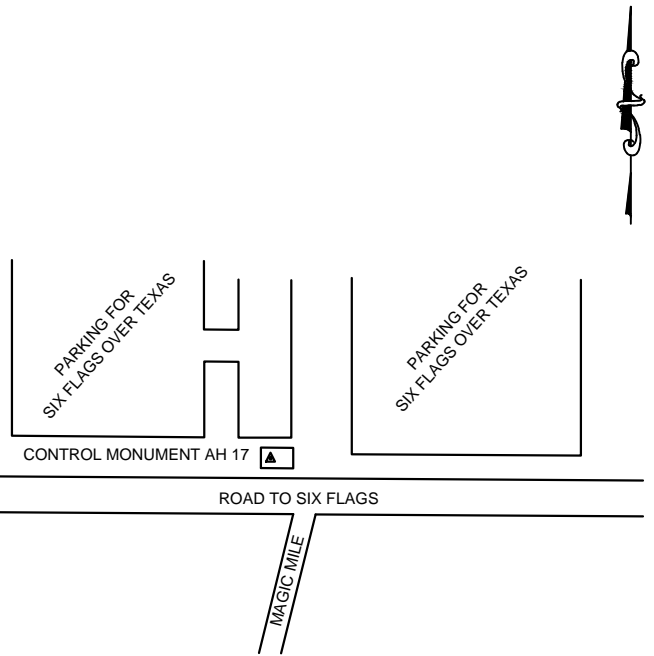
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS		
Zone: NORTH CENTRAL	N: 6959699.09	543.97'
Code: 4202	E: 2406523.33	
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 45' 09.23248" North	0.009'
	Longitude: 97° 04' 30.46980" West	0.012'
	Ellipsoid Height: 454.58'	0.012'

City of Arlington aluminum marker in concrete set in traffic signal control box at the northwest corner of Road to Six Flags and Magic Mile.

Mapsc0 83-D

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AH 19	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Marker In Concrete	
1. Road to Six Flags	South	50.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Asphalt Parking Lot	East	12.0'	Combined Scale Factor: 0.99986447	Date: 2011/10/10
3. Magic Mile	East	1150'		
Azimuth Mark	Grid Azimuth	Grid Distance		
AH 17	90° 54' 23"	1123.29'		



FACING NORTH



FACING SOUTH

NAD27 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	395296.12 2129582.64	542.58'
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6959716.86 E: 2405400.18	542.58'

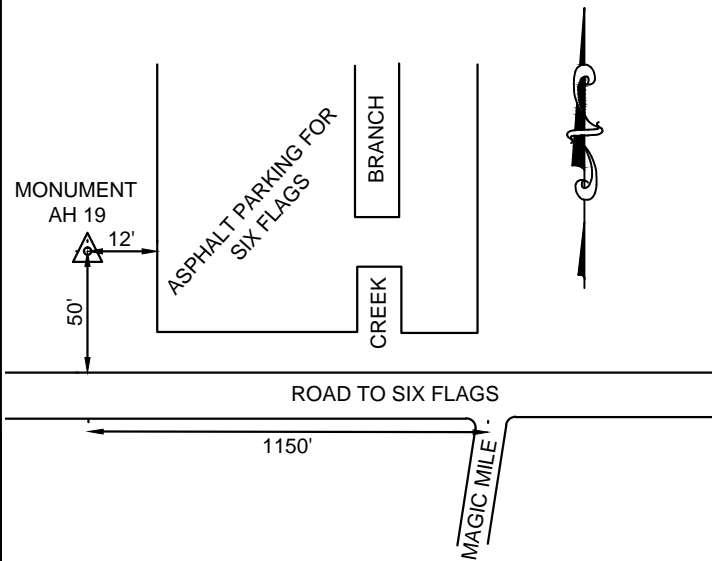
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 45' 09.55885" North	0.009'
	Longitude: 97° 04' 43.61819" West	0.009'
Ellipsoid Height: 453.16'		0.007'

Aluminum marker set in concrete set on the north side of Road to Six Flags, 1150' West of the centerline of Magic Mile. Monument is 50' north of north curb and 12' west of west edge of asphalt parking lot for Six Flags Over Texas.

Mapsc0 83-D

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AH 20	Surveyor: James B. Gillis, RPLS	
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete		
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>		
			Combined Scale Factor: 0.99986457		
			Date: 2011/10/10		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
AR 96	179° 42' 18"	453.98'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	395763.41 2128851.04	538.11'



NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6960177.17 E: 2404664.17	538.11'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
Latitude:	32° 45' 14.21183" North	0.019'
Longitude:	97° 04' 52.16354" West	0.012'
Ellipsoid Height:	448.67'	0.021'

City of Arlington aluminum marker in concrete set in the southwest corner of the Ballpark Way Bridge over Johnson Creek.

Mapsc0 83-D



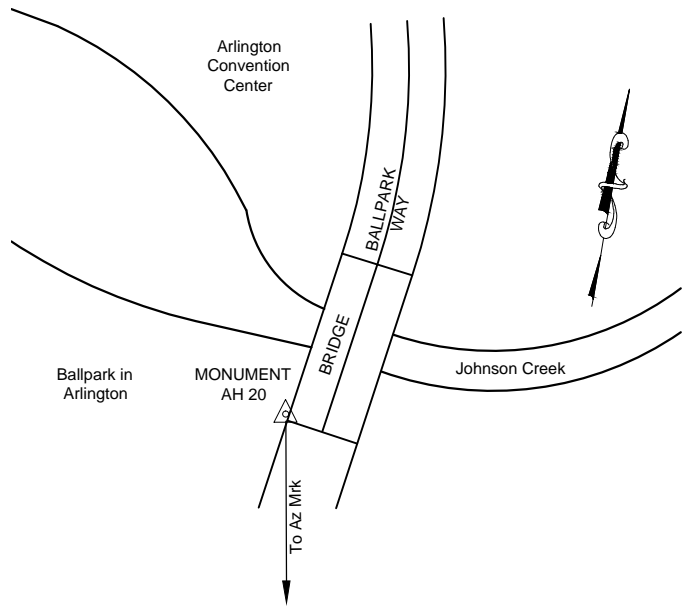
FACING NORTH



FACING WEST

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AH 21	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986411	
			Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AH 19	163° 42' 06"	1822.64'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 541.05'



FACING SOUTH



FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	397050.30 2129087.81	541.05'
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6961466.25 E: 2404888.68	541.05'

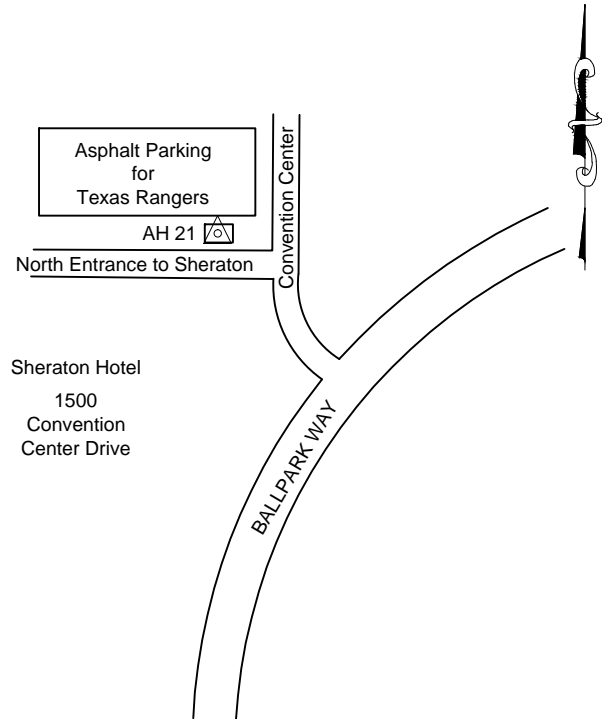
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 45' 26.93676" North	0.009'
	Longitude: 97° 04' 49.33067" West	0.005'
	Ellipsoid Height: 451.61'	0.020'

City of Arlington aluminum marker in concrete set in a water vault north of the north entrance to Marriott Hotel and west of Convention Center Dr. and south of asphalt parking for Texas Rangers.

Mapscop 69-Z

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AH 28 Az Mark	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
1. Road to Six Flags	South	305'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Pennant Drive	East	30'	Combined Scale Factor: 0.99986374	
3. Power Pole	Southwest	63'	Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
			State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 554.12'



FACING NORTH



FACING EAST

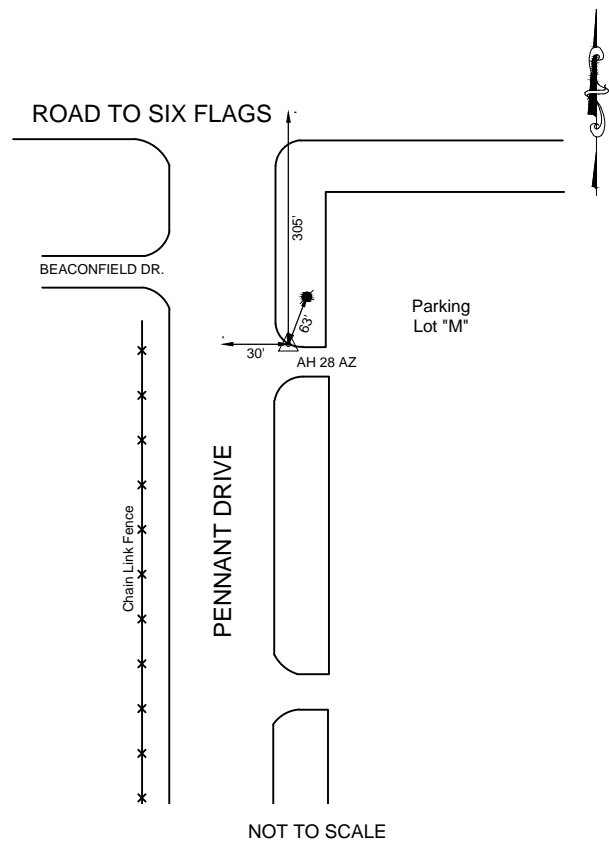
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	396041.99 2126592.07	554.12'
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6960434.23 E: 2402402.64	554.12'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 45' 17.05679" North Longitude: 97° 05' 18.60423" West Ellipsoid Height: 464.62'	0.008' 0.010' 0.019'

City of Arlington aluminum azimuth marker in concrete located in the southwest quadrant of Road to Six Flags and Pennant Drive. The azimuth mark is 305' south of the centerline of Road to Six Flags, 30' East of the centerline of Pennant Drive, and 63' southwest of a power pole.

Mapsco 69-Y

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AH 28	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Marker In Concrete	
1. Sanitary Sewer Manhole	Northwest	41.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Pennant Drive Curb	East	26.0'	Combined Scale Factor: 0.99986441	
3. Storm Drain Manhole	Southeast	49.0'	Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AH 28 Az Mark	359° 19' 17"	660.98'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	395381.01 2126593.61 Elevation (Feet) NAVD88 Calculated using Geoid 09: 543.53'



FACING NORTH



FACING SOUTH

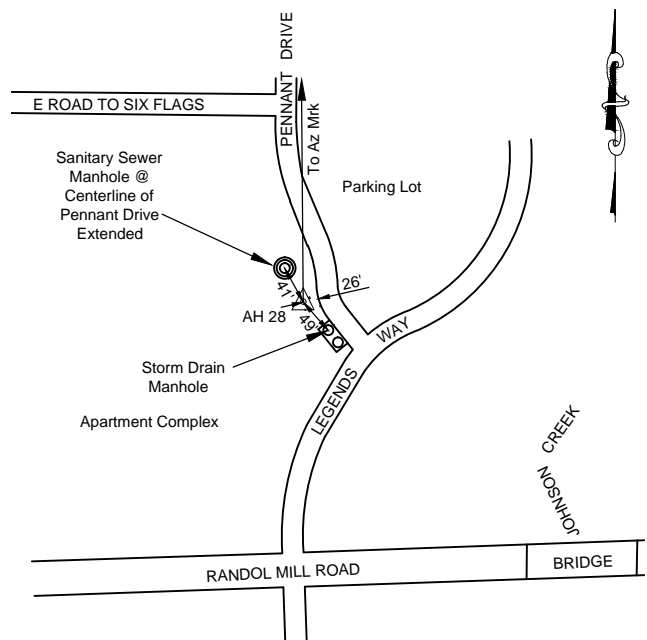
NAD83 (2007) ADJUSTMENT Grid Data		Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202		N: 6959773.29 E: 2402410.47	543.53'
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation	
	Latitude: 32° 45' 10.51605" North	0.005'	
	Longitude: 97° 05' 18.61655" West	0.004'	
	Ellipsoid Height: 454.04'	0.021'	

Aluminum marker in concrete located on the west side of Pennant Drive, 26' west of west curb, 41' Southeast of a sanitary sewer manhole at the center line of Pennant Drive extended, and 49' Northwest of a storm drain manhole on west side of Pennant Drive.

Mapsc0 83-C

FIELD SKETCH

NOTE: SKETCH UPDATED COPY FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



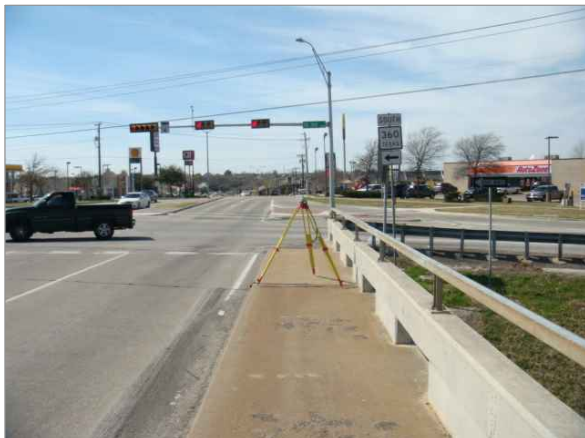
NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 01	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986163	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 02	259° 32' 36"	1985.78'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	407285.52 2135400.97 Elevation (Feet) NAVD88 Calculated using Geoid 09 543.14'



FACING EAST



FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6971761.15 E: 2411104.15	543.14'

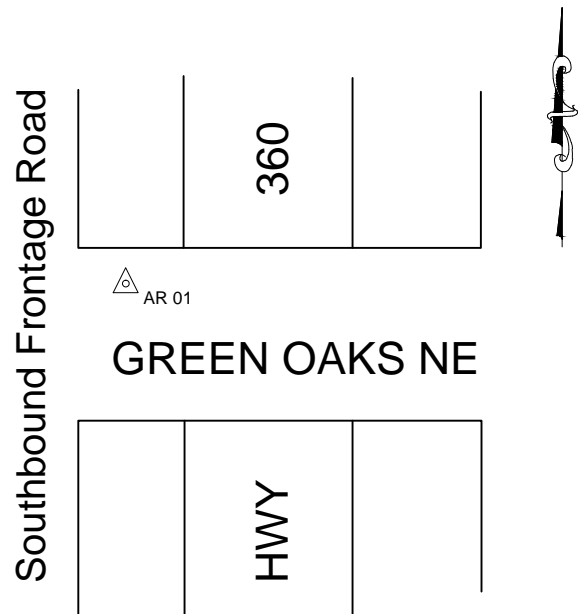
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 47' 07.96273" North	0.011'
	Longitude: 97° 03' 34.89573" West	0.009'
	Ellipsoid Height: 453.79'	0.018'

City of Arlington aluminum marker in concrete located in the abutment at the northwest corner of the Green Oaks bridge over Highway 360.

Mapsco 70-K

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 02	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Highway 360	West	1900'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Green Oaks Blvd. Curb	South	21.2'	Combined Scale Factor: 0.99986361	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 01	79° 32' 36"	1985.78'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 406943.73 2133444.83 503.33'



FACING EAST



FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6971400.75 E: 2409151.35	503.33'

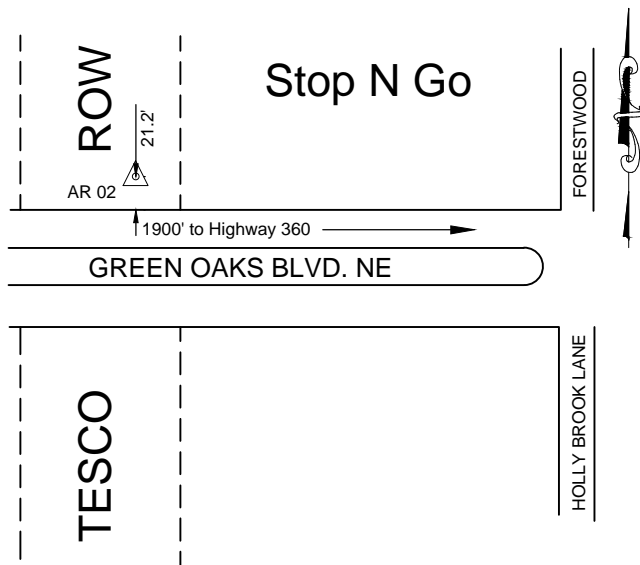
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 47' 04.66109" North	0.005'
	Longitude: 97° 03' 57.82755" West	0.006'
	Ellipsoid Height: 413.93'	0.018'

Aluminum cap on rod with access cover located in TESCO right-of-way on the north side of Green Oaks Blvd. +/- 1900' west of the southbound service road of Highway 360.

Mapsc0 70-K

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks		
Reference Mark	Direction	Distance (Feet)
1. N. Collins (Hwy 157)	West	9500'
2. N. Davis Dr.	West	450'
Azimuth Mark	Grid Azimuth	Grid Distance
AR 04	262° 05' 14"	1863.74'

Station Name: AR 03	Surveyor: James B. Gillis, RPLS	
Type: Arlington Aluminum Disk		
Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>		
Combined Scale Factor: 0.99986527		Date: 2011/10/10

NAD27 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	405012.00 2115380.03	477.79'

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6969297.15 E: 2391105.68	477.79'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 46' 46.23428" North Longitude: 97° 07' 29.52808" West Ellipsoid Height: 387.97'	0.009' 0.010' 0.018'

Aluminum Disk in curb located on the north side of Green Oaks Boulevard, 1.8 miles west of North Collins (Hwy 157) and 450' west of the centerline of North Davis Drive.

Mapsco 68-Q



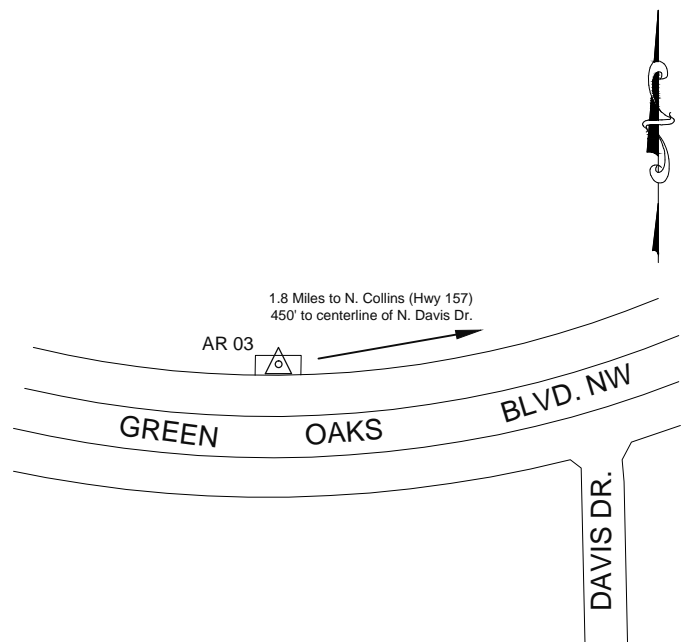
FACING NORTH



FACING EAST

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 04	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Berntsen Top Security	
1. N. Fielder Rd.	East	124.9'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Green Oaks Blvd.	South	77.9'	Combined Scale Factor: 0.99986541	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 03	82° 05' 14"	1863.74'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 475.94'



FACING SOUTH



FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 404773.02 E: 2113531.69	475.94'
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6969040.58 E: 2389259.69	475.94'

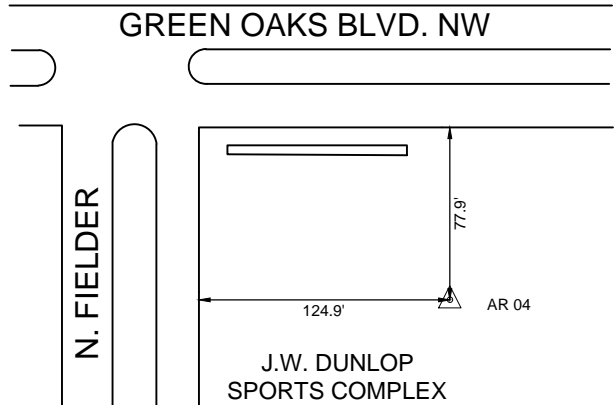
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 46' 43.93420" North	0.006'
	Longitude: 97° 07' 51.18902" West	0.004'
	Ellipsoid Height: 386.07'	0.023'

Top Security Monument located at J. W. Dunlop Sports Complex at the southeast corner of Green Oaks Boulevard NW and North Fielder Road 124.9' east of the east curb line of North Fielder Road and 77.9' south of the south curb line of Green Oaks Boulevard NW.

Mapsc0 68-P

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 05	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
1. Oakwood Lane	South	300'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986679	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 06	255° 17' 47"	1543.80'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	397269.17 2107795.02 Elevation (Feet) NAVD88 Calculated using Geoid 09 484.03'



FACING SOUTH



FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	397269.17 2107795.02	484.03'
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6961482.44 E: 2383594.69	484.03'
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 45' 29.87484" North Longitude: 97° 08' 58.67990" West Ellipsoid Height: 394.06'	0.007' 0.009' 0.014'

City of Arlington aluminum marker in concrete located on the west side of Green Oaks Boulevard between Randol Mill Road and Oakwood Lane 300' south of the centerline of Oakwood Lane.

Mapsc0 67-Z

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 06	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986657	
			Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 05	75° 17' 47"	1543.80'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	396891.56 2106298.12
			Elevation (Feet) NAVD88 Calculated using Geoid 09	490.72'



FACING NORTH



FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6961090.59 E: 2382101.45	490.72'

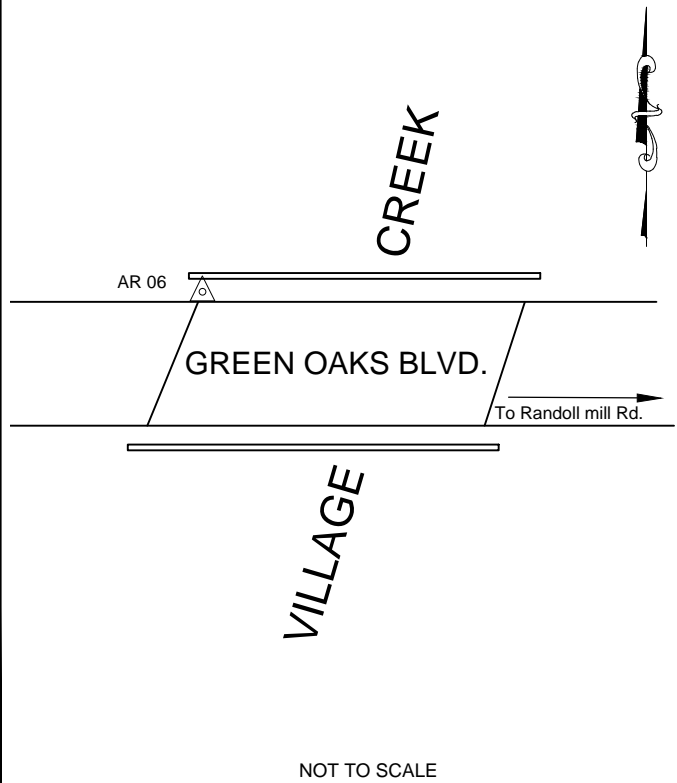
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 45' 26.18723" North	0.008'
	Longitude: 97° 09' 16.22466" West	0.010
	Ellipsoid Height: 400.72'	0.005'

City of Arlington aluminum marker in concrete located in the abutment at the northwest corner of the Green Oaks bridge over Village Creek.

Mapsco 67-Z

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 07	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986296	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 08	179° 00' 19"	4824.82'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 394257.47 2113293.20 579.62'



FACING NORTH



FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	394257.47 2113293.20	579.62'
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6958523.20 E: 2389121.31	579.62'

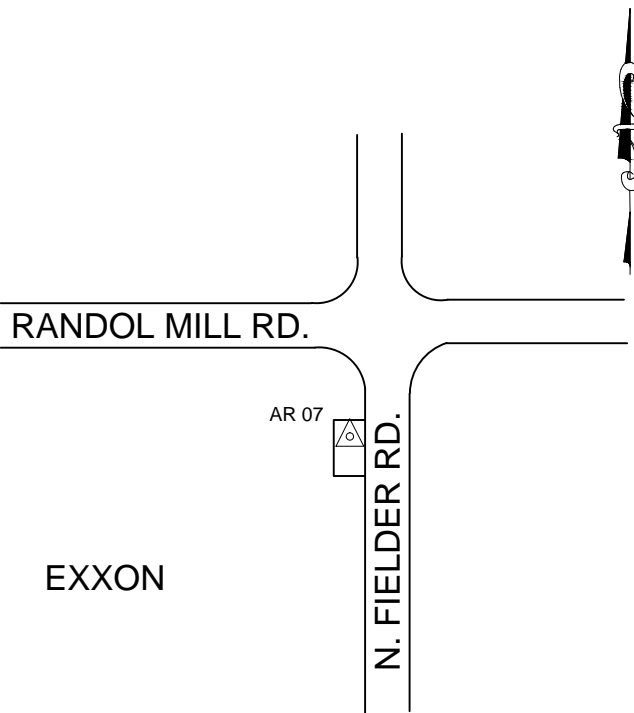
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 44' 59.88662" North	0.009'
	Longitude: 97° 07' 54.41436" West	0.009'
	Ellipsoid Height: 489.81'	0.029'

City of Arlington aluminum marker in concrete located on an inlet on the west side of North Fielder Road at the southwest corner of North Fielder Road and Randol Mill Road.

Mapsc0 82-B

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 08	Surveyor: James B. Gillis, RPLS	
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete		
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>		
			Combined Scale Factor: 0.99986103		
			Date: 2011/10/10		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
AR 07	359° 00' 19"	4824.82'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	389432.81 2113331.04	645.75'



FACING NORTH



FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6953699.10 E: 2389205.08	645.75'

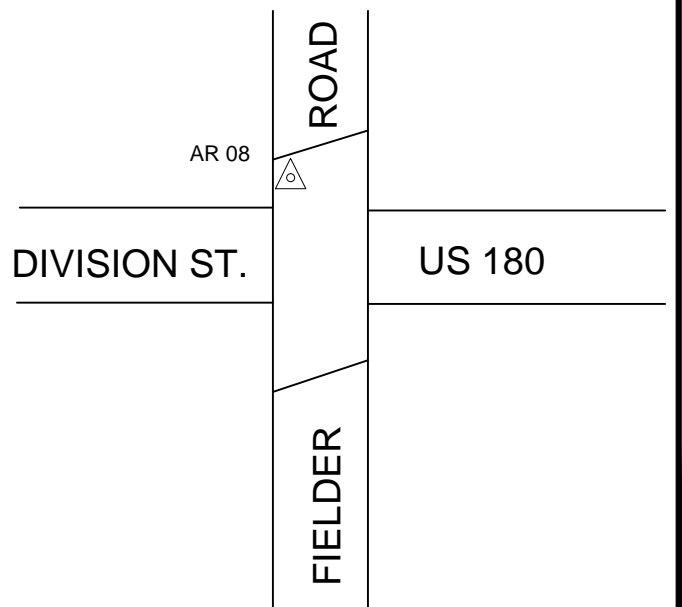
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 44' 12.14319" North	0.009'
	Longitude: 97° 07' 54.16925" West	0.008'
	Ellipsoid Height: 555.98'	0.007'

City of Arlington aluminum marker in concrete located in the abutment of the northwest corner of the Fielder Road bridge over Division Street (US 180).

Mapsco 82-K

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 09	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
1. Parapet Wall	West	10.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99987114	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 18	97° 43' 18"	2520.20'		

State: TEXAS Zone: NORTH CENTRAL Code: 4202	364599.98 2083372.63	Elevation (Feet) NAVD88 Calculated using Geoid 09 585.13'
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6928582.14 E: 2359484.29	585.13'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 40' 07.31191" North	0.003'
	Longitude: 97° 13' 45.67707" West	0.004'
	Ellipsoid Height: 494.82'	0.009'

City of Arlington aluminum marker in concrete located in the abutment at the northeast corner of the westbound Interstate 20 bridge over Village Creek.

Mapsc0 93-U,V



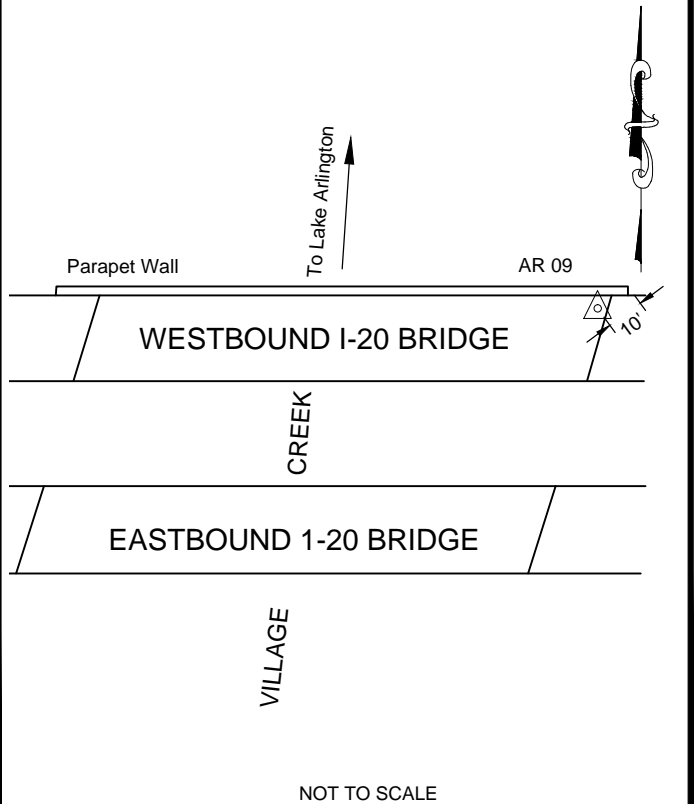
FACING EAST



FACING WEST

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 10	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Lake Arlington Dam Rd.	Northeast	10.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986554	
			Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 11	127° 08' 41"	5556.07'		Elevation (Feet) NAVD88 Calculated using Geoid 09
			State: TEXAS	
			Zone: NORTH CENTRAL	385586.47
			Code: 4202	2090604.83
				573.11'



FACING NORTHEAST



FACING EAST

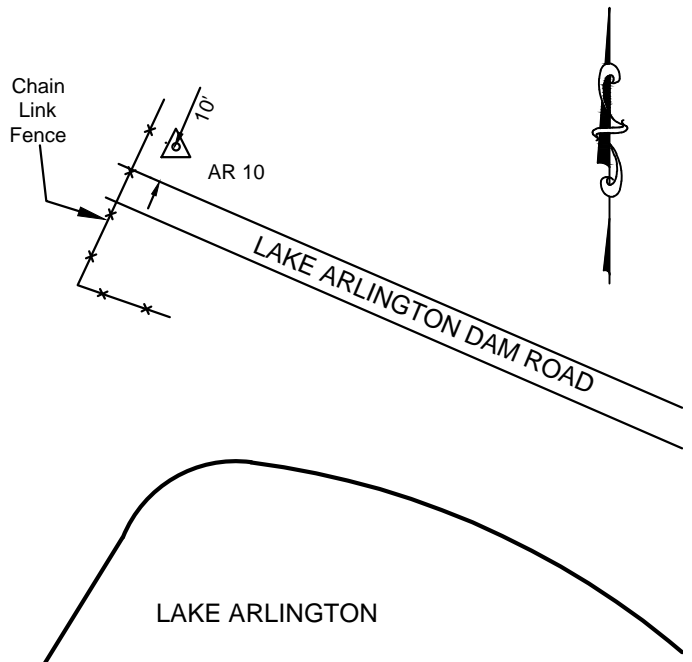
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS		
Zone: NORTH CENTRAL	N: 6949636.60	573.11'
Code: 4202	E: 2366516.42	
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 43' 34.79116" North	0.007'
	Longitude: 97° 12' 20.37804" West	0.003'
	Ellipsoid Height: 482.81'	0.022'

Aluminum cap on rod with access cover located at the west end of the Lake Arlington Dam. The monument can be reached from the intersection of Green Oaks Boulevard and Pioneer Parkway. Go south on Green Oaks Boulevard 0.8 miles to a gate on the right at the Arlington Fire training center. Enter the gate and follow a winding road 0.4 miles to the beginning of the dam. Then go west across the dam to a chain link fence and monument on the right.

Mapsc0 80-P

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 11	Surveyor: James B. Gillis, RPLS	
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover		
1. Transmission Tower	Southwest	48.5'			
2. Dam Road	North	108'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>		
			Combined Scale Factor: 0.99986581		
			Date: 2011/10/10		
			NAD27 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
Azimuth Mark			State: TEXAS		
AR 10			Zone: NORTH CENTRAL		
307° 08' 41"			Code: 4202		
5556.07'			382189.55		
			2095001.49		
			586.87'		



FACING SOUTH



FACING WEST

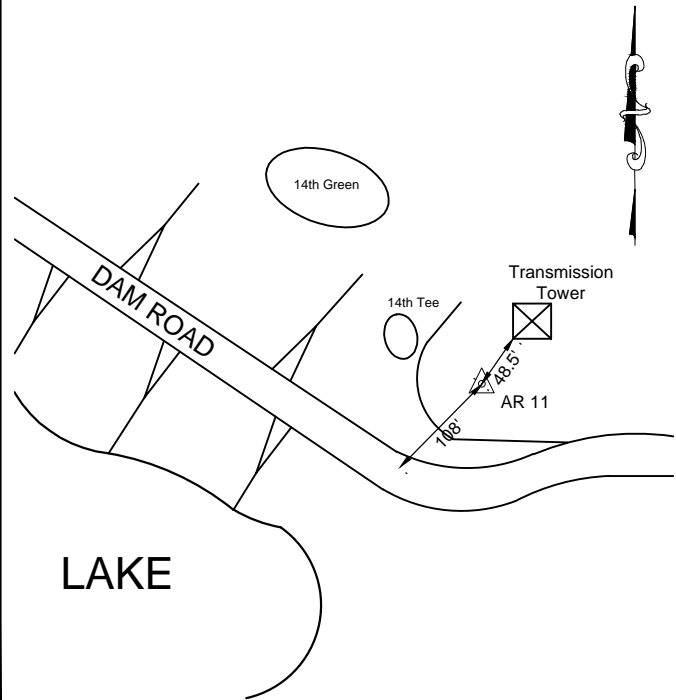
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS		
Zone: NORTH CENTRAL		
Code: 4202		
N: 6946281.67		
E: 2370945.23		
586.87'		

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 43' 01.05219" North	0.004'
	Longitude: 97° 11' 29.02405" West	0.005'
	Ellipsoid Height: 496.70'	0.019'

Aluminum cap on rod with access cover located at the east end of the Lake Arlington Dam. To reach the monument from the intersection of Green Oaks Boulevard and Pioneer Parkway, go south on Green Oaks Boulevard 0.8 miles to a gate on the right. The gate is the north entrance to the Arlington Fire training center. Go west through the gate and follow a winding road 0.4 miles to the beginning of the dam. The monument is 108' north of the dam on a plateau, just east of the 14th tee of the golf course. An electric transmission tower lies NNE of the monument 48.5'. Mapsco 80-V

FIELD SKETCH

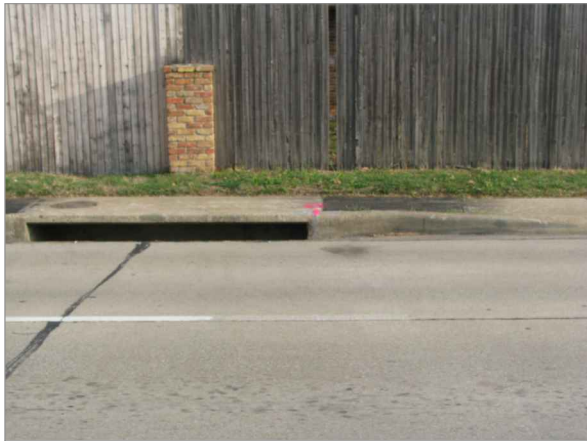
NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 12	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
1. Woodside Drive	West	128'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986794	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 13	91° 15' 45"	3389.48'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 378588.29 2099402.62 563.53'



FACING NORTH



FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6942722.45 E: 2375380.46	563.53'

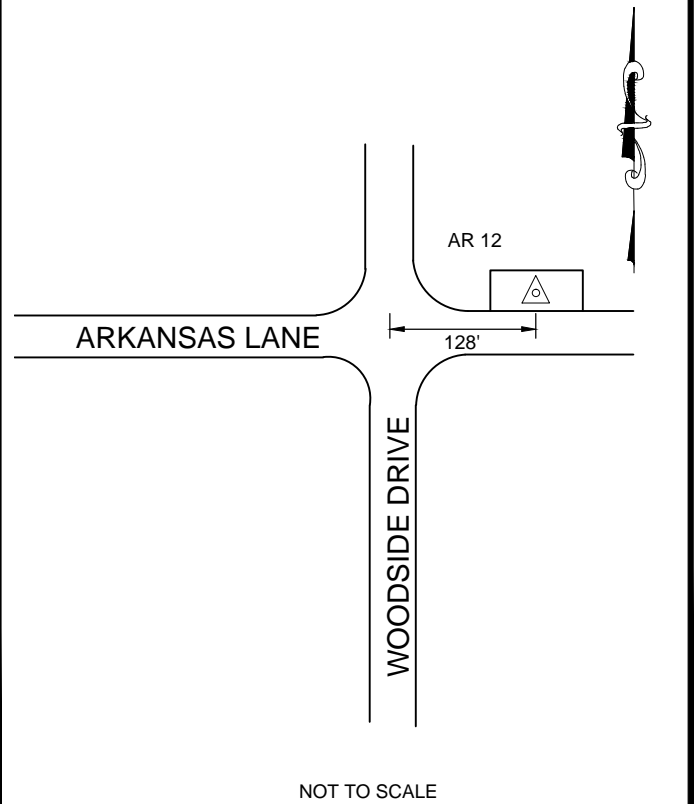
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 42' 25.28504" North	0.002'
	Longitude: 97° 10' 37.63587" West	0.010'
	Ellipsoid Height: 473.49'	0.009'

City of Arlington aluminum marker in concrete located in a 10' recessed curb inlet on the north side of Arkansas Lane, 128' east of the centerline of Woodside Drive.

Mapsco 81-W

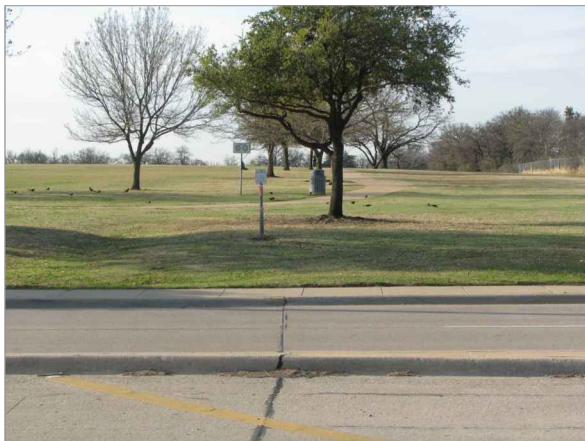
FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 13	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Arkansas Lane	South	24.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Park Springs Blvd.	East	90'	Combined Scale Factor: 0.99986738	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 12	271° 15' 45"	3389.48'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 378481.36 2102790.41 575.98'



FACING SOUTH



FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6942647.77 E: 2378769.12	575.98'

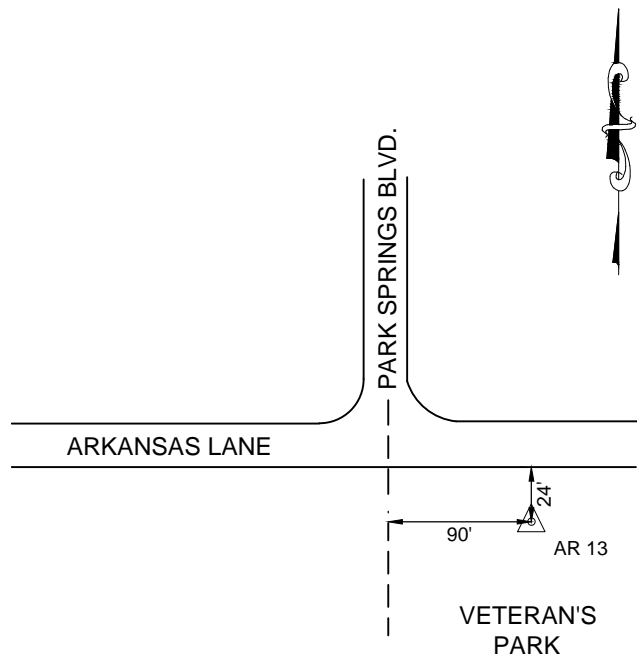
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 42' 24.12209" North	0.009'
	Longitude: 97° 09' 57.98837" West	0.006'
	Ellipsoid Height: 486.03'	0.011'

Aluminum cap on rod with access cover located at the Southeast corner of Arkansas Lane and Park Springs Boulevard at Veteran's Park. The monument is 24' south of south curb line of Arkansas Lane and approximately 90' east of the projected centerline of Park Springs Boulevard.

Mapsc0 81-Y

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 14	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Transmission Tower	East	75.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Tennis Courts	North	68.0'	Combined Scale Factor: 0.99986438	Date: 2011/10/10
3. Park Road	West	38.0'		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 15	69° 20' 40"	1809.77'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 380397.82 2116957.64 627.25'



FACING NORTH



FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6944699.01 E: 2392917.52	627.25'

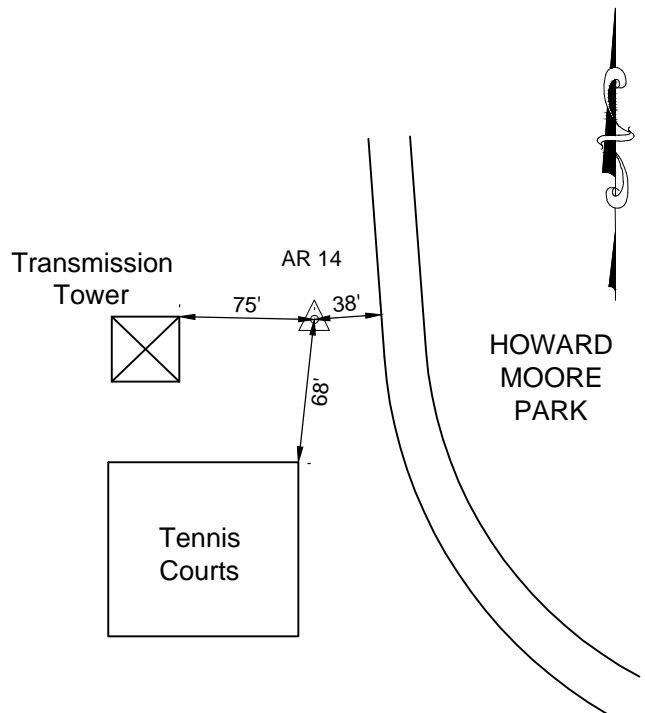
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 42' 42.61006" North	0.006'
	Longitude: 97° 07' 12.09116" West	0.010'
	Ellipsoid Height: 537.63	0.017'

Aluminum cap on rod with access cover located at Howard Moore Park. To reach the monument from the intersection of Pioneer Parkway (Spur 303) and South Davis Drive, go north on South Davis Drive 0.3 miles to Tucker. Then right (east) 0.1 miles to Bever Boulevard. Then right (south) into Howard Moore Park. Continue south to monument on the right. The monument is located in a TESCO easement, 38' west of the centerline of the park road.

Mapsc0 82-V,Z

FIELD SKETCH

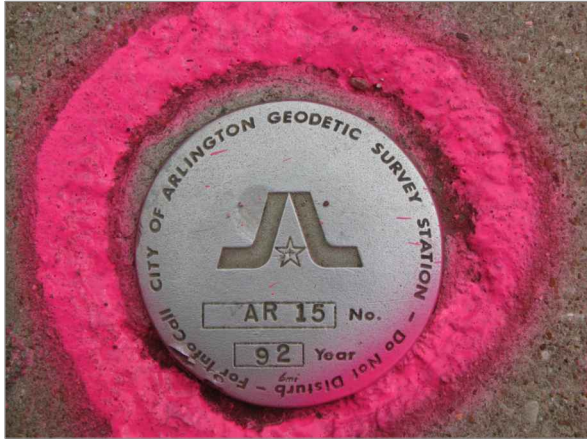
NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 15	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
1. Lovers Lane	South	160'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Spur 303	North	1850'	Combined Scale Factor: 0.99986514	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 14	249° 20' 40"	1809.77'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 381020.07 2118657.07 607.58'



FACING NORTH



FACING SOUTH

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6945337.40 E: 2394610.96	607.58'

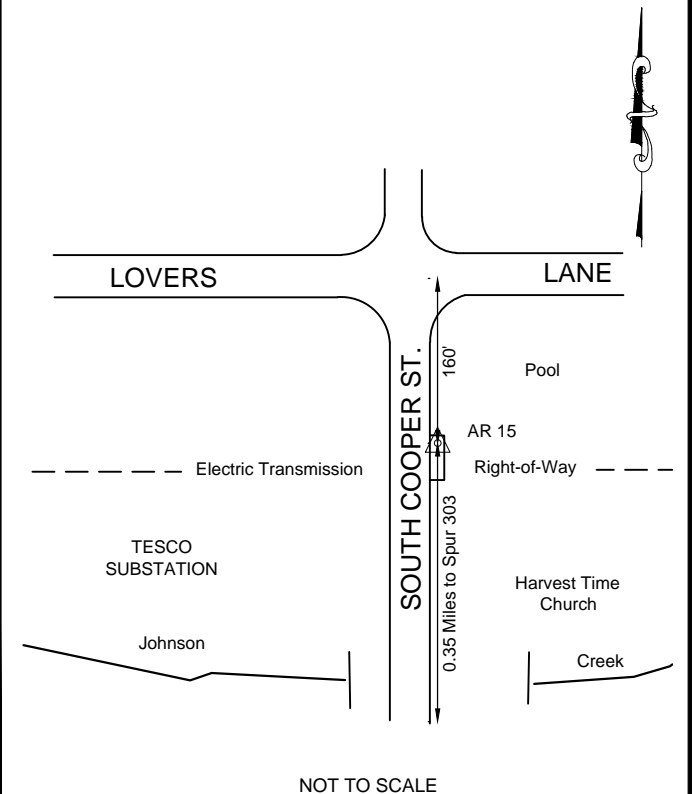
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 42' 48.70622" North	0.010'
	Longitude: 97° 06' 52.17280" West	0.010'
	Ellipsoid Height: 518.01'	0.014'

City of Arlington aluminum marker in concrete located in the North end of a standard curb inlet. The inlet is on the east side of South Cooper Street, 160' south of the centerline of Lovers Lane. Inlet is located at the northwest corner of the Harvest Time Church property, underneath overhead power lines. Inlet can also be reached by going north on South Cooper Street from Pioneer Parkway (Spur 303) for 0.35 miles to station on the right.

Mapasco 82-V

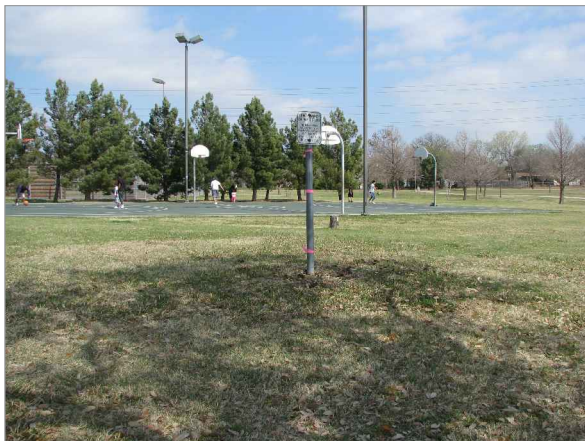
FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.

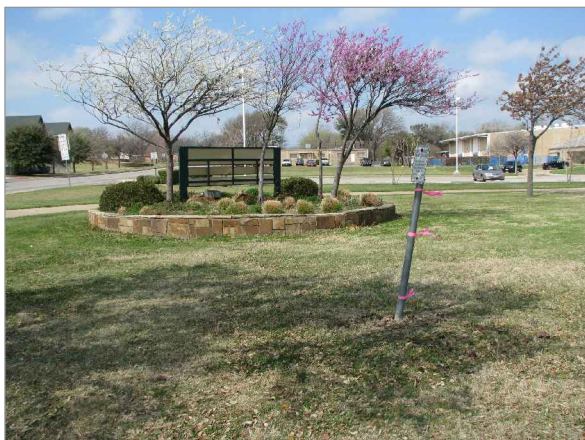


CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 16	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. New York Ave.	East	+/- 700'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Craig Hanking Dr.	North	82.0'	Combined Scale Factor: 0.99986437	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 17	85° 30' 03"	1954.16'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 381174.64 2129802.41 622.72'



FACING NORTH



FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6945598.05 E: 2405754.36	622.72'

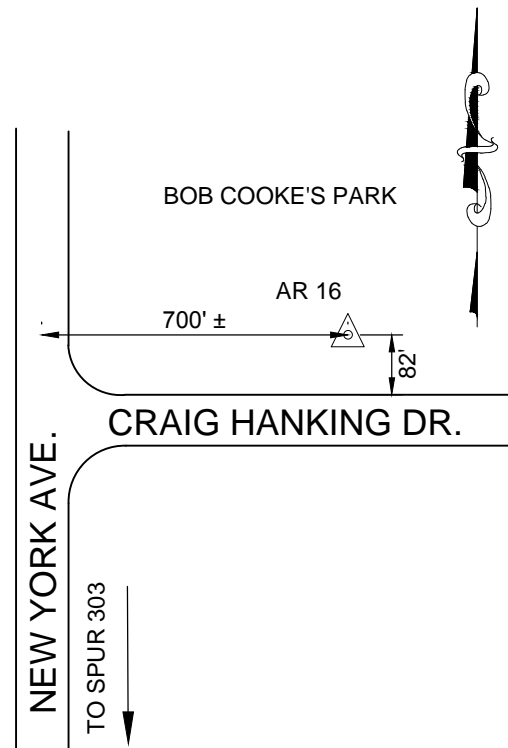
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 42' 49.81196" North	0.008'
	Longitude: 97° 04' 41.70855" West	0.010'
	Ellipsoid Height: 533.40'	0.016'

Aluminum cap on rod with access cover located at Bob Cooke's Park. The monument can be reached by going north from the intersection of New York Avenue and Pioneer Parkway (Spur 303) to Craig Hanking Drive, then right (east) for +/- 700' to station on the left. Station is 82' north of the centerline of Craig Hanking Drive.

Mapsc0 83-V

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 17	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Craig Hanking Drive	South	87.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Sherry Street	East	29.5'	Combined Scale Factor: 0.99986536	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 16	265° 30' 03"	1954.16'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 381309.38 2131751.91 601.30'



NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6945751.35 E: 2407702.50	601.30'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 42' 51.06726" North	0.010'
	Longitude: 97° 04' 18.88296" West	0.004'
	Ellipsoid Height: 512.03	0.009'

Aluminum cap on rod with access cover located at Gertrude Johns Elementary. The monument can be reached by going north on Sherry Street for 0.10 miles from Pioneer Parkway (Spur 303) to station on the left. Station is located at the Northwest corner of Sherry Street and Craig Hanking Drive 87' north of the centerline of Craig Hanking Drive and 29.5' west of the west curb line of Sherry Street.

Mapsco 84-S



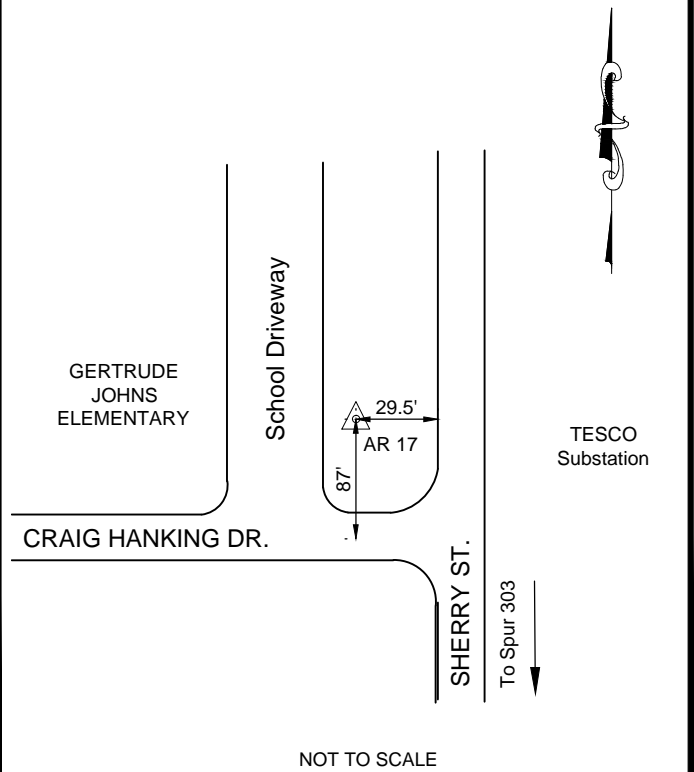
FACING SOUTH



FACING WEST

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 18	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Bowman Springs Road	West	650'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. EB IH 20 Frontage Road	South	86.0'	Combined Scale Factor: 0.99986956 Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 09	277° 43' 18"	2520.20'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	364237.61 2085866.64



FACING NORTH



FACING WEST

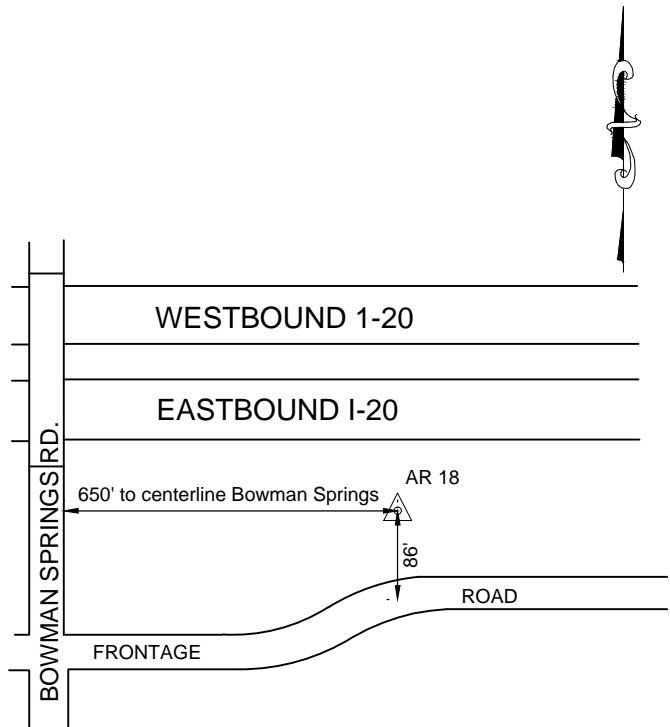
NAD83 (2007) ADJUSTMENT Grid Data		Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202		364237.61 2085866.64	620.49'
State: TEXAS Zone: NORTH CENTRAL Code: 4202		N: 6928243.52 E: 2361981.63	620.49'
Geodetic Data	Position:	NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	
	Latitude:	32° 40' 03.66152" North	
	Longitude:	97° 13' 16.51043" West	
	Ellipsoid Height:	530.24'	
		Standard Deviation	
		Latitude: 0.005'	
		Longitude: 0.008'	
		Ellipsoid Height: 0.021'	

Aluminum cap on rod with access cover located on the south side of Interstate 20 650' east of Bowman Springs Road and 86' north of the centerline of the eastbound frontage road.

Mapsco 93-V

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 19	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Tennis Courts	South	42.4'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. SDMH	Northeast	36.3'	Combined Scale Factor: 0.99987063	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 20	86° 32' 48"	1382.76'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 364499.46 2098258.41 596.33'



FACING NORTH



FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6928623.32 E: 2374370.40	596.33'

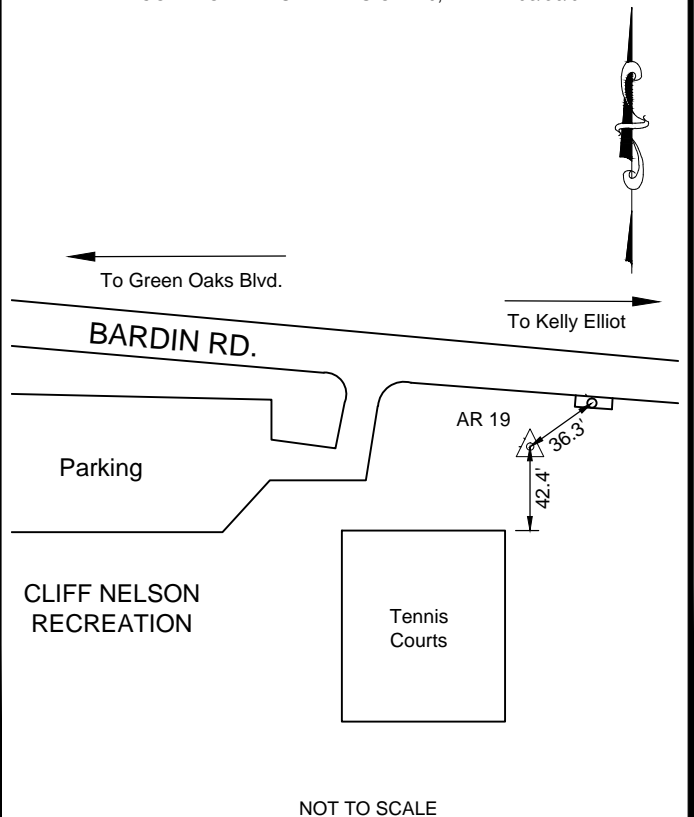
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 40' 05.90382" North	0.007'
	Longitude: 97° 10' 51.52885" West	0.006'
	Ellipsoid Height: 506.37'	0.004'

Aluminum cap on rod with access cover located at Cliff Nelson Recreation Center. Monument is on the south side of Bardin Road, 0.3 miles west of Kelly Elliot Road and 0.5 miles east of Green Oaks Boulevard.

Mapsc0 95-S

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 20	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
1. Kelly Elliot Road	West	285'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986987	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 19	266° 32' 48"	1382.76'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 364569.61 2099639.38 611.80'



FACING NORTH



FACING EAST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6928706.61 E: 2375750.64	611.80'

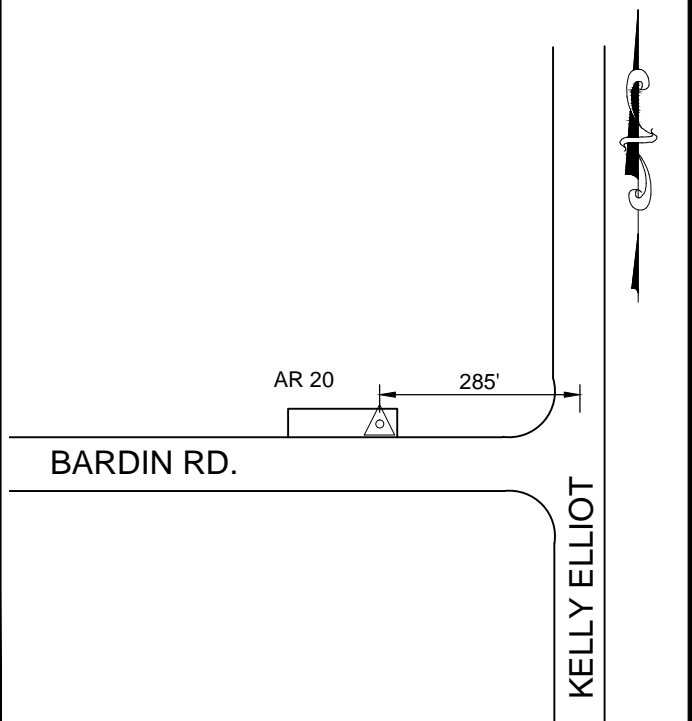
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 40' 06.55620" North	0.017'
	Longitude: 97° 10' 35.37008" West	0.003'
	Ellipsoid Height: 521.88'	0.021'

City of Arlington aluminum marker in concrete located in a recessed curb inlet on the north side of Bardin Road, 285' west of the centerline of Kelly Elliot Road.

Mapscro 95-S

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 21	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Sportcenter Drive	West	33.75'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Bardin Road	South	24.30'	Combined Scale Factor: 0.99986640	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 22	178° 57' 46"	2549.99'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 365248.69 2115169.83 679.81'



NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6929533.49 E: 2391273.98	679.81'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 40' 12.76579" North	0.008'
	Longitude: 97° 07' 33.64857" West	0.008'
	Ellipsoid Height: 590.25'	0.011'

Aluminum cap on rod with access cover located at the Southwest corner of Bardin Road and Sportcenter Drive, 33.75' west of the west curb line of Sportcenter Drive and 24.30' south of the south curb line of Bardin Road.

Mapsco 96-Q



FACING SOUTH



FACING EAST

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 22	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Sportcenter Drive	East	26.80'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Wimbledon Drive	South	32.25'	Combined Scale Factor: 0.99986779	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 21	358° 57' 46"	2549.99'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 362698.80 2115191.72 667.77'



FACING NORTH



FACING EAST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6926983.91 E: 2391320.14	667.77'

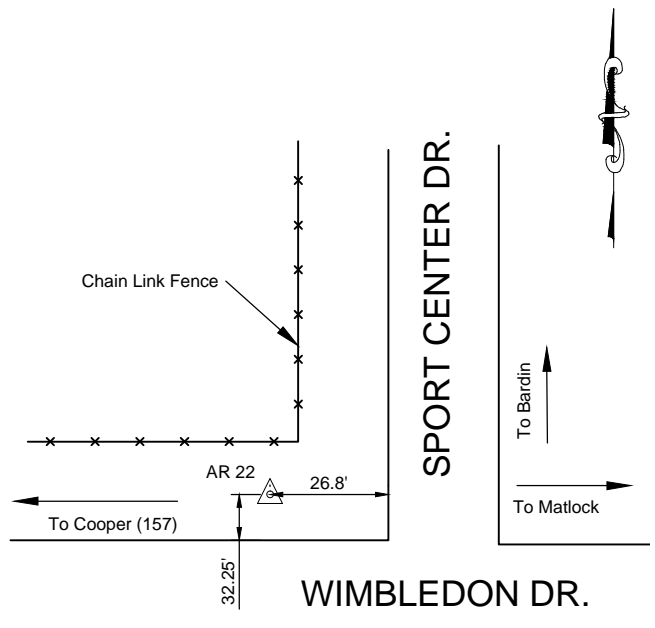
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 39' 47.53263" North	0.010'
	Longitude: 97° 07' 33.49869" West	0.005'
	Ellipsoid Height: 578.23'	0.018'

Aluminum cap on rod with access cover located at the northwest corner of Wimbledon Drive and Sportcenter Drive, 26.80' west of the west curb line of Sportcenter Drive and 32.25' north of the north curb line of Wimbledon Drive.

Mapsc0 96-U

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 23	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Fire Station #12	West	19.7'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. South Collins Street	East	22.7'	Combined Scale Factor: 0.99987035	Date: 2011/10/10
3. Concrete Drive	South	43.0'		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 24	161° 30' 34"	2342.41'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 363357.09 2126025.79 609.78'



FACING SOUTH



FACING WEST

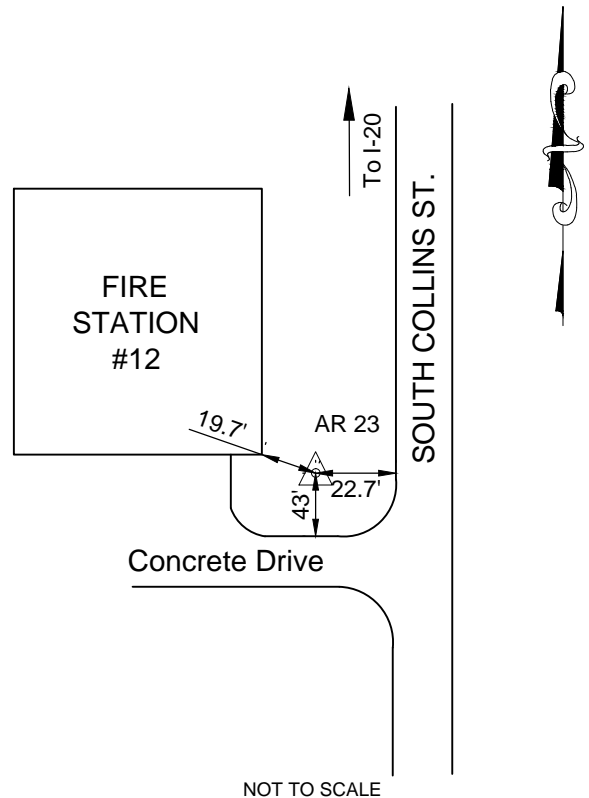
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6927745.30 E: 2402147.50	609.78'
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
Latitude: 32° 39' 53.64706" North		0.006'
Longitude: 97° 05' 26.72684" West		0.012'
Ellipsoid Height: 520.48'		0.028'

Aluminum cap on rod with access cover located 0.9 miles south of Interstate 20 along South Collins Street at Fire Station #12, 20' southeast of the southeast corner of the fire station on the west side of South Collins Street.

Mapscro 97-U

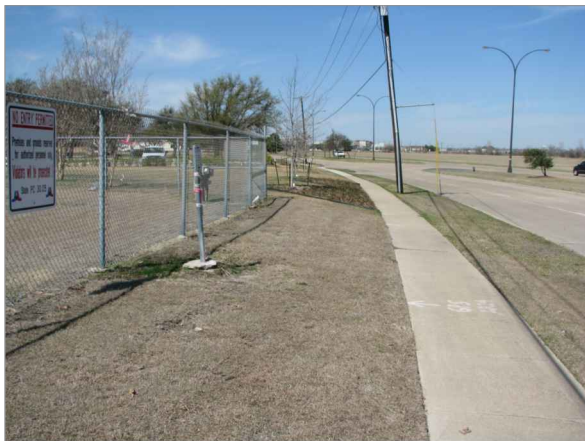
FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 24	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Interstate 20	North	+/- 7400'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. South Collins Street	East	18.6'	Combined Scale Factor: 0.99987134	Date: 2011/10/10
3. Fence Corner	North	38.8'		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 23	341° 30' 34"	2342.41'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 361128.64 2126747.50 604.17'



FACING NORTH



FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6925523.81 E: 2402890.39	604.17'

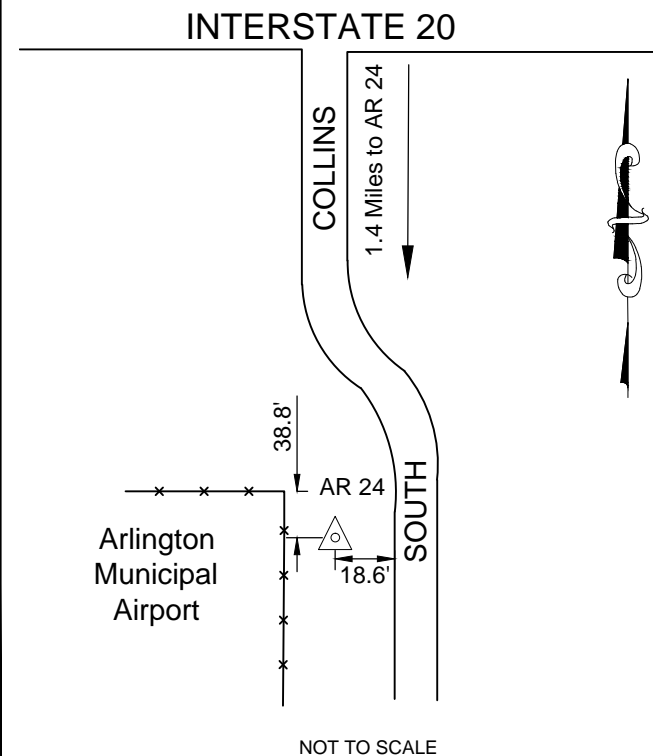
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 39' 31.56759" North	0.008'
	Longitude: 97° 05' 18.38590" West	0.006'
	Ellipsoid Height: 514.90'	0.018'

Aluminum cap on rod with access cover located on the west side of South Collins Street, 1.4 miles south of Interstate 20. Going south from Interstate 20, curve to the left. Station is at the end of the curve 18.6' west of west curb line of South Collins Street and 38.8' south of a chain link fence corner.

Mapsc0 97-Y

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 25	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
1. East Face of Wall	West	4.09'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986948	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 26	147° 08' 56"	6451.65'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 356357.62 2096990.72 676.07'



FACING NORTH



FACING SOUTH

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6920469.74 E: 2373180.26	676.07'

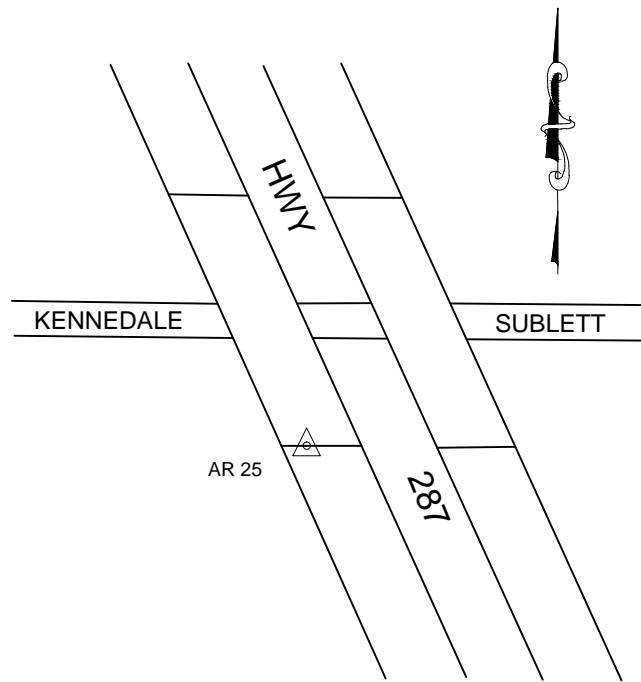
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 38' 45.37401" North	0.012'
	Longitude: 97° 11' 06.64524" West	0.007'
	Ellipsoid Height: 586.14'	0.015'

City of Arlington aluminum marker in concrete located in the Southwest abutment of the Highway 287 bridge over Kennedale-Sublett Road. The disk is 4.09' east of the east face of a parapet wall in the south abutment of the southbound lanes of Highway 287.

Mapsco 108-D

FIELD SKETCH

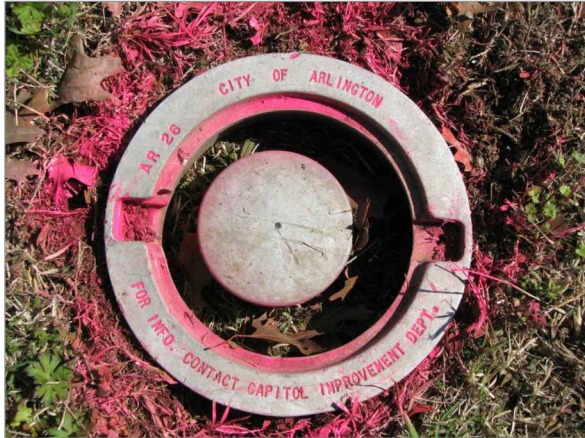
NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 26	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. SE Edge of Drive Entrance	Northwest	12.3'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. NB Frontage Road	Southwest	44.6'	Combined Scale Factor: 0.99987201	
			Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 25	327° 08' 56"	6451.65'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 350904.64 2100438.70 662.38'



FACING NORTH



FACING EAST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6915049.82 E: 2376680.00	662.38'

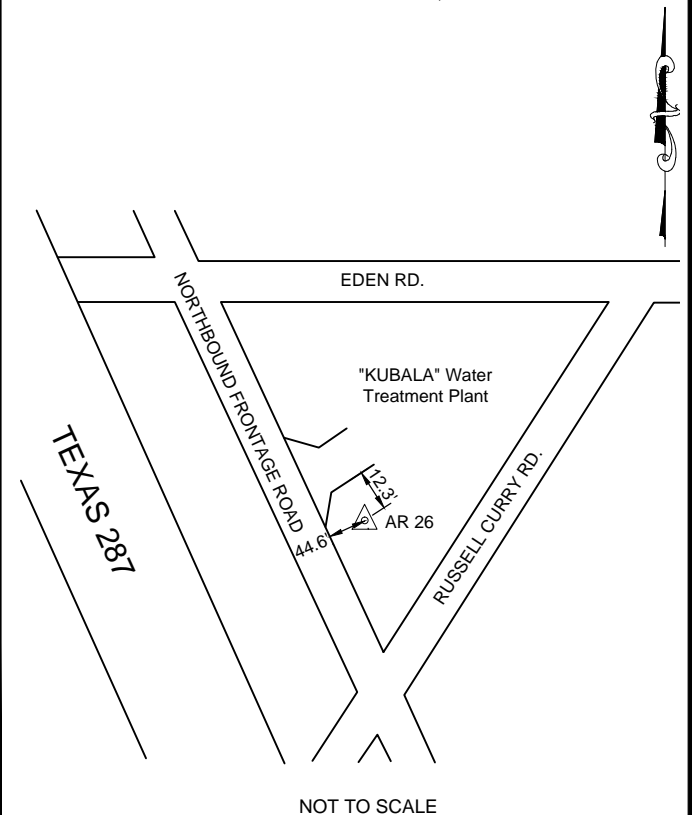
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 37' 51.30997" North	0.008'
	Longitude: 97° 10' 26.51483" West	0.008'
	Ellipsoid Height: 572.58'	0.029'

Aluminum cap on rod with access cover located at the KUBALA Water Treatment Plant. To reach monument from Highway 287 and Russell Curry Road, go north along the northbound service road approximately 0.3 miles to a driveway with the monument to the right. The monument is located 12.3' south of the south entrance to the plant and 44.6' east of the east edge of the northbound service road of Highway 287.

Mapsco 109-K

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 27 Az Mark	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
1. S.B. Matlock Rd.	East	9.3'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Amber Ridge Dr. and Drive Entrance -Church	South	105'	Combined Scale Factor: 0.99987310	Date: 2011/07/01
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
			State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 351006.41 2118467.27 638.96'



FACING NORTH



FACING WEST

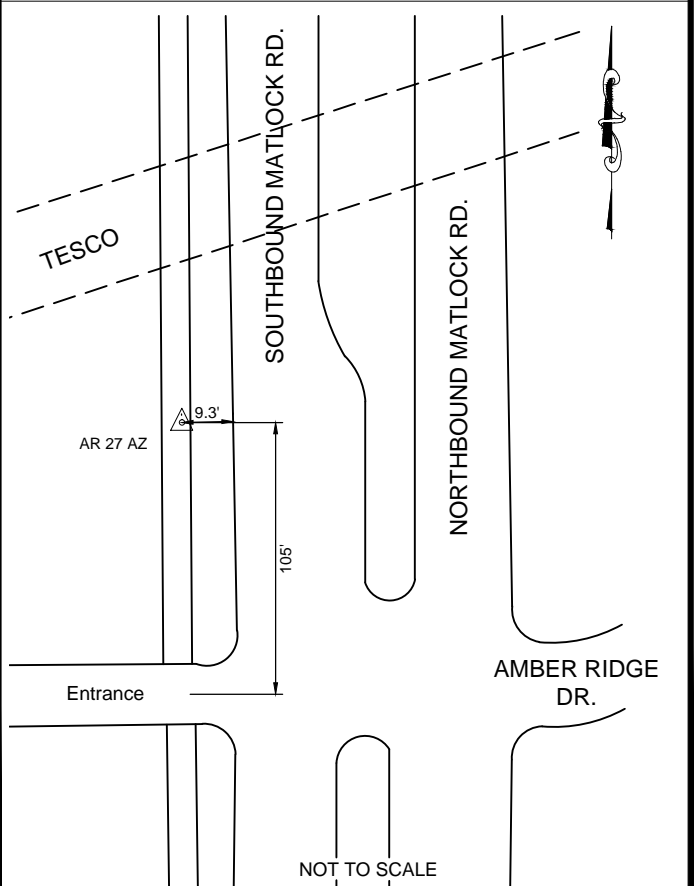
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6915323.19 E: 2394706.85	638.96'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 37' 51.71370" North	0.003'
	Longitude: 97° 06' 55.68050" West	0.004'
	Ellipsoid Height: 549.57'	0.013'

City of Arlington aluminum azimuth marker located on the west side of Matlock Road. The azimuth mark is 9.3' west of the west curb line of Matlock Road and 105' north of the centerline of Amber Ridge Drive to the east and a drive entrance for a church to the west.

Mapsc0 110-M

FIELD SKETCH

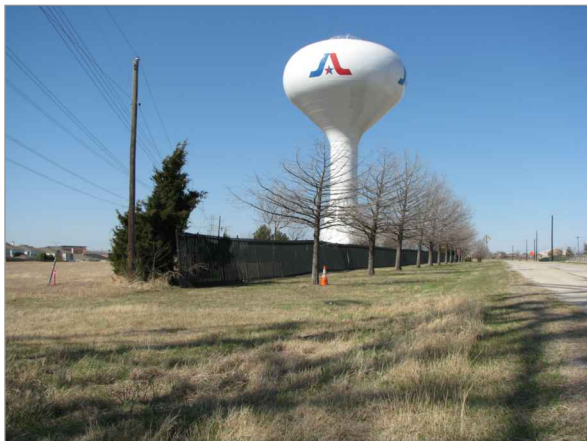


CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 27	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Interstate 20	North	+/- 17,000'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. George Finger Road	North	53.0'	Combined Scale Factor: 0.99987230	Date: 2011/10/10
3. Wrought Iron Fence	Northwest	15.2'		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 27 Az Mark	240° 31' 36"	1154.64'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 351564.92 2119477.84 651.45'



FACING SOUTH



FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6915891.29 E: 2395712.06	651.45'

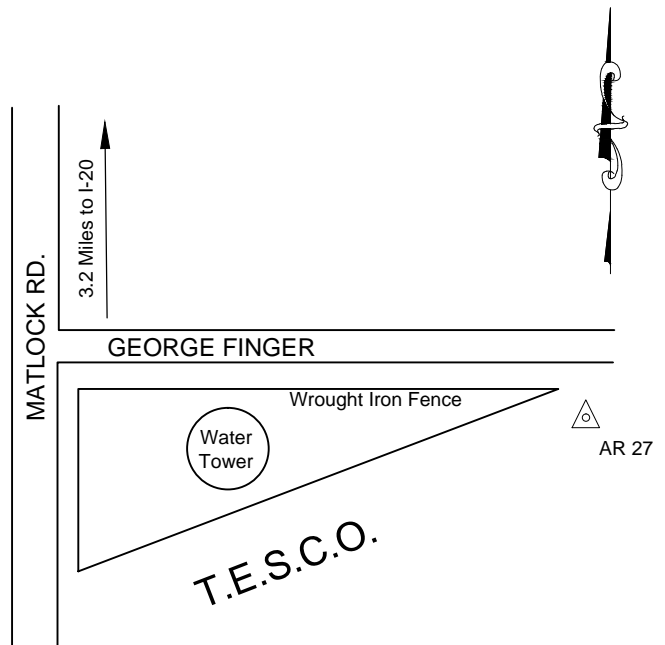
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 37' 57.20365" North	0.017'
	Longitude: 97° 06' 43.83856" West	0.006'
	Ellipsoid Height: 562.08'	0.029'

Aluminum cap on rod with access cover located in TESCO right-of-way. To reach the monument from the intersection of Interstate 20 and Matlock Road, go South 3.2 miles to George Finger Road. Go left (east) to east end of the water tower site. The monument is 53' south of the south edge of pavement and 15.2' southeast of the east corner of a wrought iron fence.

Mapsc0 110-M

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 29	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Mansfield Highway	West	29.5'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Entrance to Cedar Hill Memorial Cemetary	South	23.0'	Combined Scale Factor: 0.99987256	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
CT 1	24° 09' 21"	7680.40'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	343397.84 2097794.59 707.01'



FACING NORTH



FACING SOUTH

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6907518.16 E: 2374107.46	707.01'

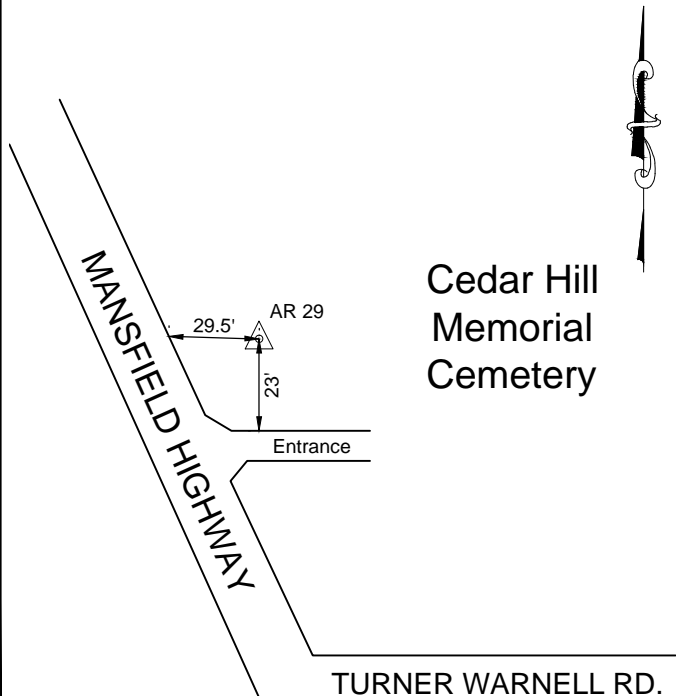
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 36' 37.10641" North	0.013'
	Longitude: 97° 10' 57.70080" West	0.016'
	Ellipsoid Height: 617.21'	0.043'

Aluminum cap on rod with access cover located at Cedar Hill Memorial Cemetery. From Interstate 20 and Mansfield Highway, go southeast 5.1 miles on Mansfield Highway to the monument on the east side of the road. The monument is located 29.5' east of east edge of shoulder and 23' north of the entrance to the cemetery.

Mapsco 109-S

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 30	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Debbie Lane	South	51.4'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Transmission Tower	North	27.4'	Combined Scale Factor: 0.99987875	
3. Webb Ferrell Road	East	+/- 800'	Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
Box Cut With Center Punch	355° 02' 00"	3866.37'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 585.98'



FACING SOUTH



FACING EAST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6906760.68 E: 2405361.56	585.98'

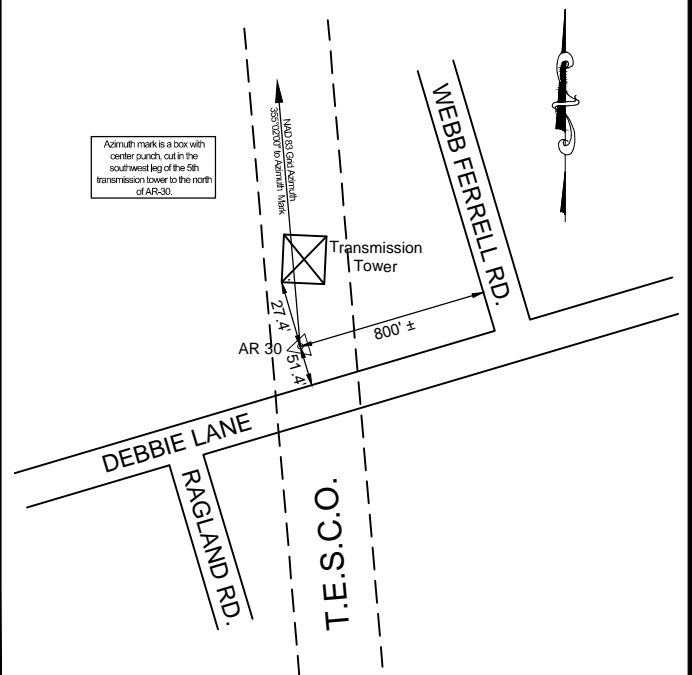
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 36' 25.58410" North	0.011'
	Longitude: 97° 04' 52.44521" West	0.008'
	Ellipsoid Height: 496.87'	0.023'

Aluminum cap on rod with access cover located in TESCO easement, north of Debbie Lane and west of Webb Ferrell Road. The monument is under over head power lines, 51.4' north of Debbie Lane and +/- 800' west of Webb Ferrell Road. AZIMUTH MARK is a "box with center punch" cut in the southwest leg of the 5th transmission tower to the north of AR-30.

Mapsco 111-Z

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 31	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986450	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
"X" Cut in Inlet	03° 07' 43"	1783.25'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	383702.85 2123843.03 605.31



FACING NORTH



FACING EAST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6948069.44 E: 2399771.17	605.31'

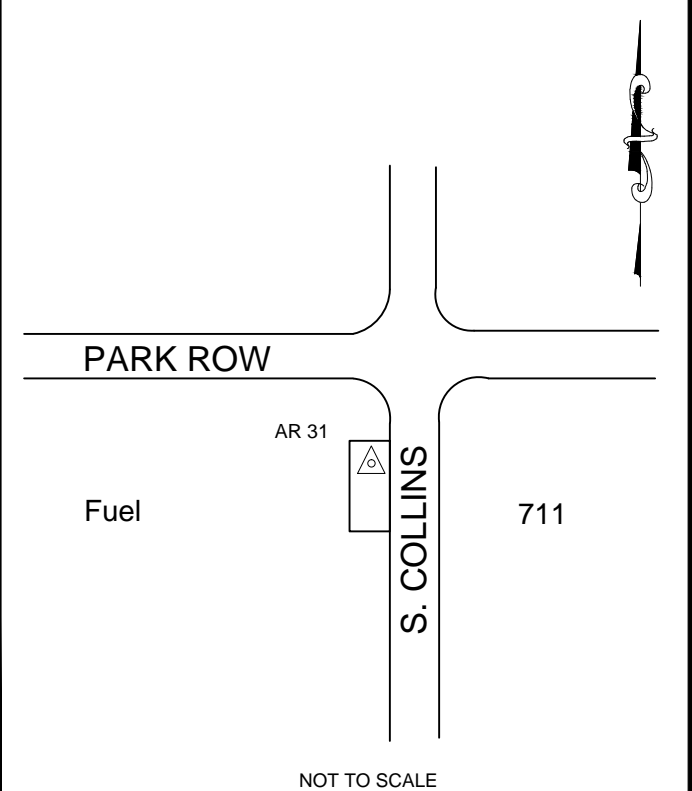
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 43' 15.06107" North	0.010'
	Longitude: 97° 05' 51.35039" West	0.005'
	Ellipsoid Height: 515.84'	0.024'

City of Arlington aluminum marker in concrete located in 5' inlet on the west side of South Collins Street at the southwest corner of Park Row and South Collins Street. Azimuth mark for this point is an "X" cut in the southwest corner of an inlet. The inlet is the first inlet south of Valley View on the east side of Collins Street.

Mapsc0 83-P

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 32	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986833	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 33	89° 57' 22"	5370.79'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	372081.64 2129160.86 Elevation (Feet) NAVD88 Calculated using Geoid 09 595.40'



FACING NORTH



FACING EAST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6936499.33 E: 2405199.39	595.40'

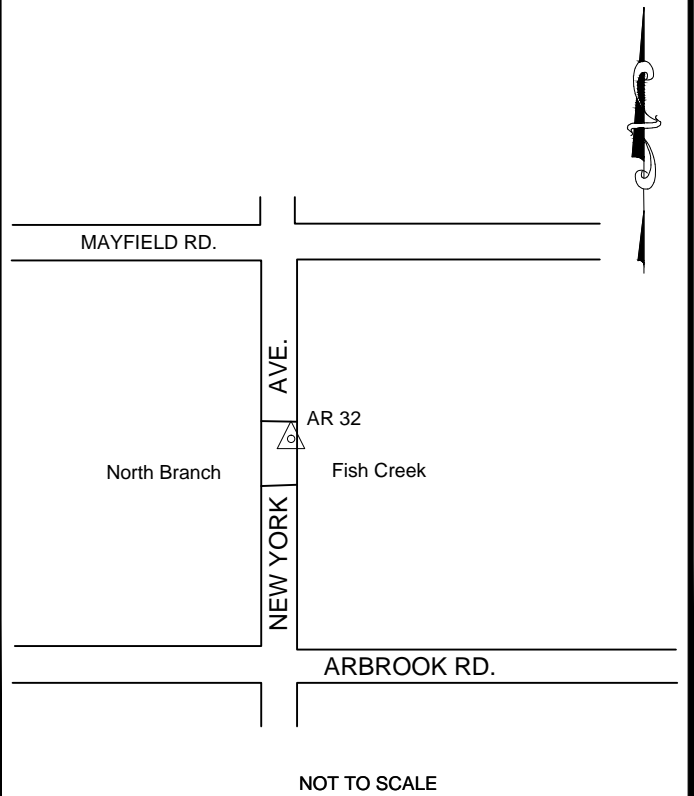
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 41' 19.85814" North	0.011'
	Longitude: 97° 04' 49.64300" West	0.003'
	Ellipsoid Height: 506.11'	0.012

City of Arlington aluminum marker in concrete stamped "AR 32" set in the northeast corner of the New York Avenue bridge over the north branch of Fish Creek.

Mapsco 97-H

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 33	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1 Southbound 360	East	30.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Southbound 360 Service Road	West	44.0'	Combined Scale Factor: 0.99986952	Date: 2011/10/10
3. Light Pole	South	61.0'		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 32	269° 57' 22"	5370.79'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 372034.65 2134531.43 570.85'



FACING NORTH



FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6936503.46 E: 2410570.18	570.85'

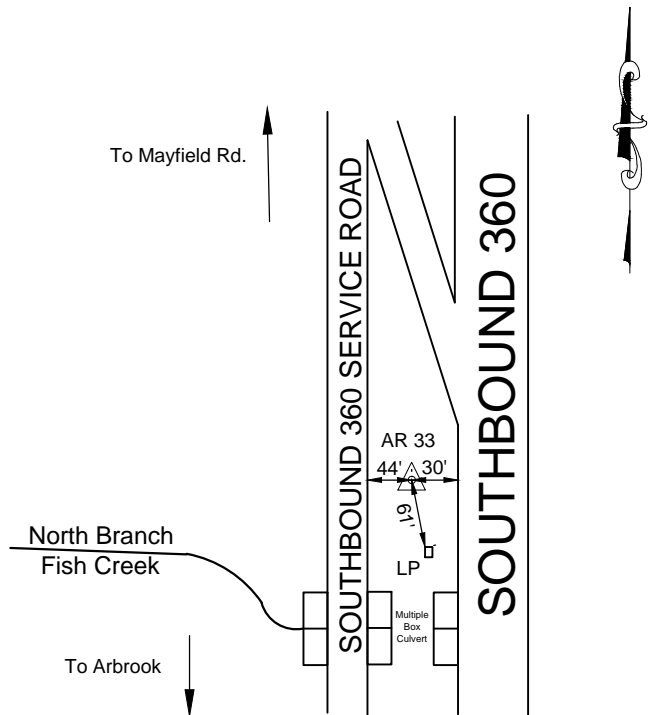
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 41' 19.17611" North	0.006'
	Longitude: 97° 03' 46.79993" West	0.013
	Ellipsoid Height: 481.68'	0.012

Aluminum cap on rod with access cover stamped "AR 33" located on the west side of Highway 360 between the southbound lanes and the southbound service road, 30' west of the west edge of the shoulder and 44' east of the east curb line of the southbound service road. The monument is located +/- 100' north of the north branch of Fish Creek.

Mapsc0 98-F

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 34 Az Mark	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
1. Prairie Oaks Dr.	North	205'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Yield Sign	North	121'	Combined Scale Factor: 0.99986428	
Wrought Iron Fence	East	25'	Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
			Elevation (Feet) NAVD88 Calculated using Geoid 09	
			State: TEXAS Zone: NORTH CENTRAL Code: 4202	388266.19 2134817.02 584.24'



FACING NORTH



FACING EAST

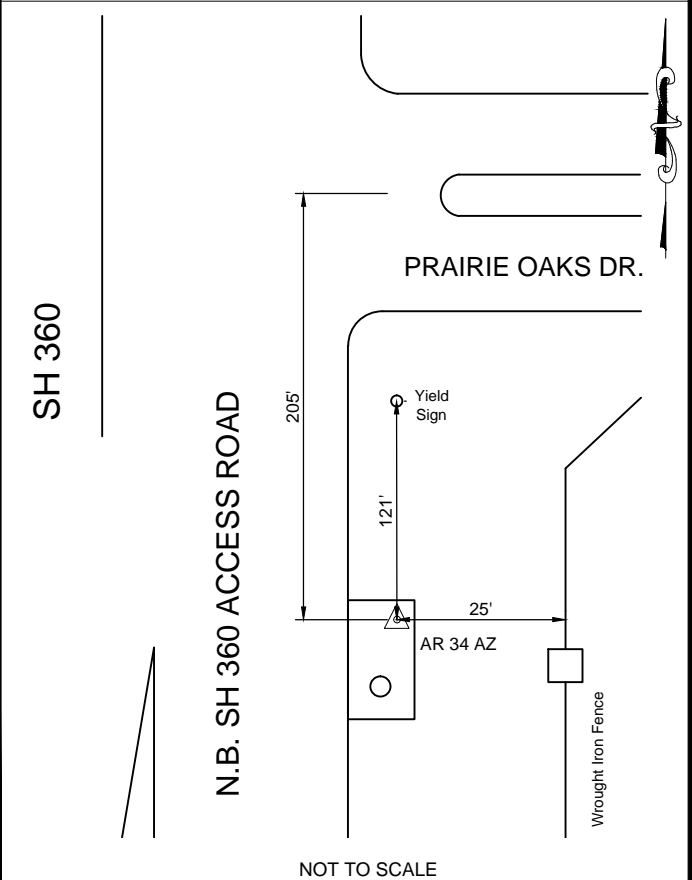
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6952737.04 E: 2410701.27	584.24'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 43' 59.78285" North	0.006'
	Longitude: 97° 03' 42.66573" West	0.010'
	Ellipsoid Height: 495.00'	0.022'

City of Arlington aluminum marker in concrete set in the northeast corner of an inlet on the east side of the northbound SH 360 access road. The azimuth marker is 205' south of the centerline of Prairie Oaks Drive, 121' south of a yield sign, and 25' west of a wrought iron fence.

Mapsc0 84-K

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 34	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Northbound 360 Service Road	West	7.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Convenience Store	South	85.0'	Combined Scale Factor: 0.99986339	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 34 Az Mark	182° 48' 57"	768.71'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 389033.58 2134862.09 598.55'



FACING NORTH



FACING WEST

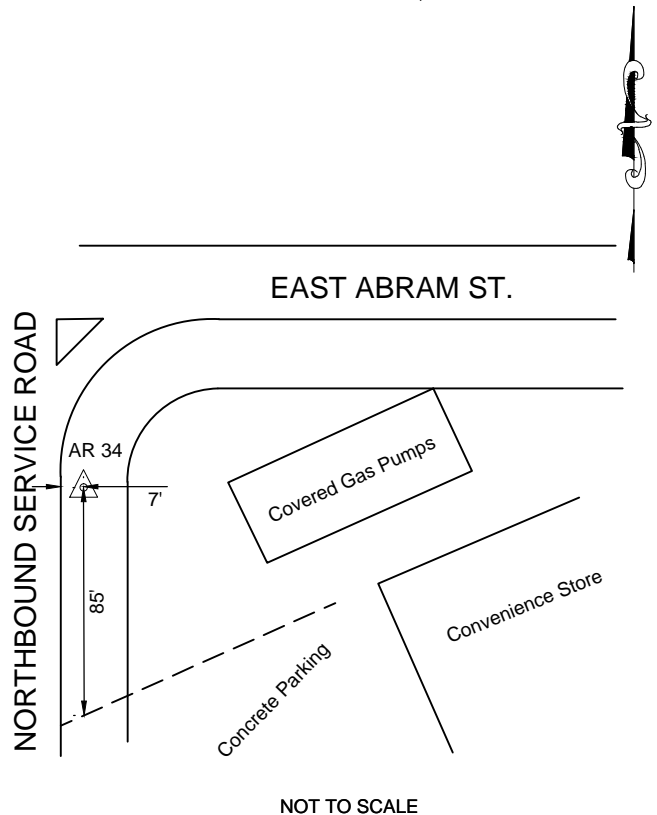
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	389033.58 2134862.09	598.55'
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6953504.83 E: 2410739.03	598.55'
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
Latitude: 32° 44' 07.37460" North		0.013'
Longitude: 97° 03' 42.10059" West		0.009'
Ellipsoid Height: 509.30'		0.005'

Aluminum cap on rod with access cover stamped "AR 34" located at the southeast corner of Highway 360 and Abram Street, 7' east of the east curb line of the northbound Highway 360 service road and 85' north of the extended north face of a convenience store at said corner.

Mapsc0 84-K

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 35	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Mesquite Street	East	80.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. North Rail of RR Tracks	North	11.0'	Combined Scale Factor: 0.99986250	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
H 98	271° 05' 56"	3309.23'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 389666.03 2121388.81 613.72'



FACING SOUTH



FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6954009.01 E: 2397260.28	613.72'

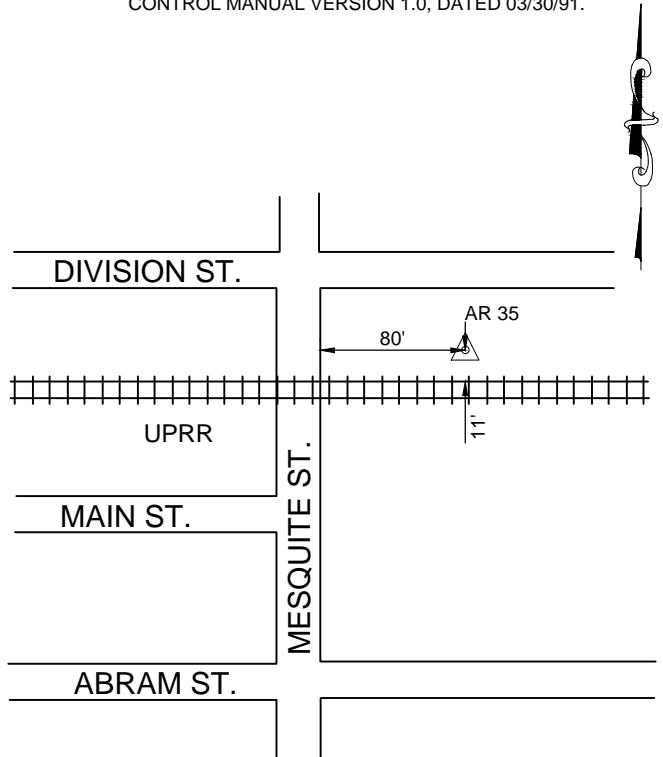
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 44' 14.16143" North	0.011'
	Longitude: 97° 06' 19.81708" West	0.004'
	Ellipsoid Height: 524.11'	0.007'

Aluminum cap on rod with access cover stamped "AR 35" located on the north side of the Union Pacific Railroad, 80' east of the centerline of Mesquite Street. Monument is located 11' north of the most northerly rail.

Mapsc0 83-J

FIELD SKETCH

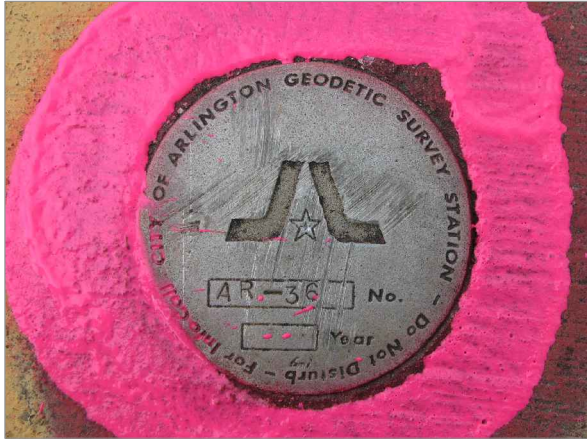
NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 36	Surveyor: James B. Gillis, RPLS	
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete		
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>		
			Combined Scale Factor: 0.99986556		
			Date: 2011/10/10		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
"X" Cut On SW Inlet Corner	170° 25' 49"	931.284'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	386402.21 2123811.23	567.92'



FACING NORTH



FACING EAST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6950768.38 E: 2399713.68	567.92'

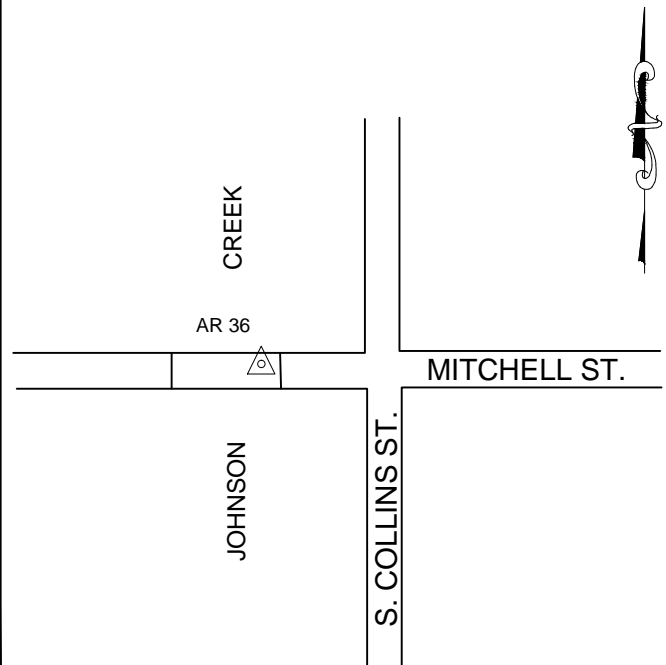
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 43' 41.77361" North	0.010'
	Longitude: 97° 05' 51.60162" West	0.013'
	Ellipsoid Height: 478.43	0.020'

City of Arlington aluminum marker in concrete stamped "AR 36" set in the northeast corner of the Mitchell Street bridge over Johnson Creek, just west of South Collins Street. Azimuth mark for this point is an "X" cut in the southwest corner of an inlet. The inlet is the first inlet south of Valley View on the east side of Collins Street.

Mapsc0 83-P

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 37	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. On Ramp	North	6.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Exit Sign	Southeast	74.0'	Combined Scale Factor: 0.99986873	Date: 2011/10/10
3. Rip Rap	East	157.0'		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 46	266° 51' 45"	4250.05'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 619.74'



FACING NORTH



FACING EAST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6931177.72 E: 2383683.90	619.74'

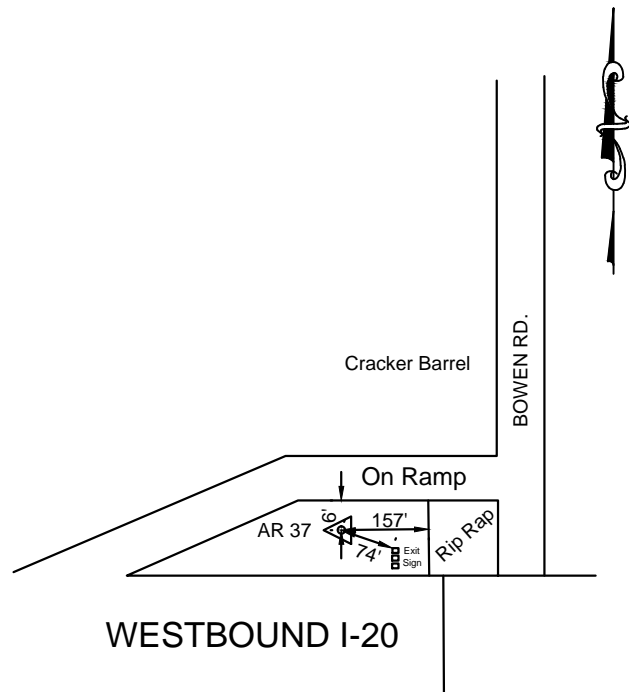
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 40' 30.00845" North	0.013'
	Longitude: 97° 09' 02.19377" West	0.010'
	Ellipsoid Height: 530.00'	0.034'

Aluminum cap on rod with access cover stamped "AR 37" located on the north side of Interstate 20, between the westbound lanes and the westbound on ramp from Bowen Road. The monument is located 6' south of the south curb line of said on ramp, 74' west of the north leg of the Park Springs exit sign and 157' west of the concrete rip-rap under the west end of the Interstate 20 bridge over Bowen Road.

Mapsco 95-R

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 38	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. East-West Fence	South	190.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. North-South Fence	East	10.0'	Combined Scale Factor: 0.99987112	
3. Fence Tee	Northeast	22.5'	Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
Punch Mark in Bronze Plaque	169° 29' 28"	1557.18'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 356686.89 2105822.80 639.62'



FACING EAST



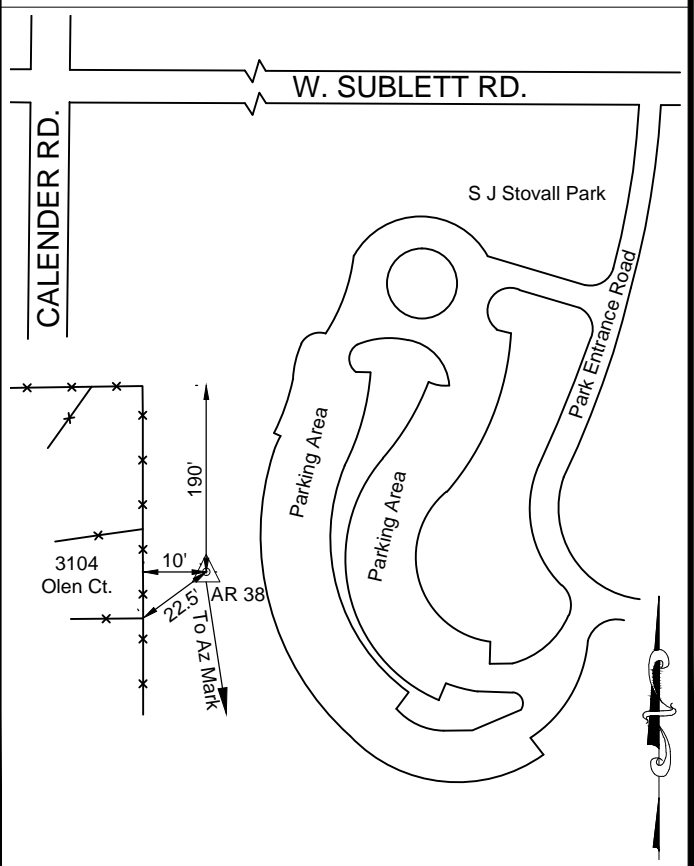
FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6920883.07 E: 2382008.84	639.62'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 38' 48.35848" North	0.007'
	Longitude: 97° 09' 23.33078" West	0.004'
	Ellipsoid Height: 549.90'	0.017'

Aluminum cap on rod with access cover stamped "AR 38" located along the western boundary of Stovall Park. To reach the monument from the intersection of South Cooper Street (FM 157) and Sublett Road, go west on Sublett Road for 1.3 miles to park entrance on the left. Monument is west of a concrete parking lot. The azimuth mark is a punch mark located in the south end of a 10" x 10" bronze plaque labeled "In Memory of Charlie Wilson". The plaque is located at 2805 Redstone and is south of a 7' walk, west of a 4' walk, and west of a bench. Mapsco 109-D

FIELD SKETCH



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 39 Az Mark	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
1. Nose of Median	West	30.6'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. East Edge of Concrete	East	61.7'	Combined Scale Factor: 0.99986311	
3. Street Light	Southeast	41.5'	Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
			State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 400620.48 2133708.73 544.07'



FACING NORTH



FACING EAST

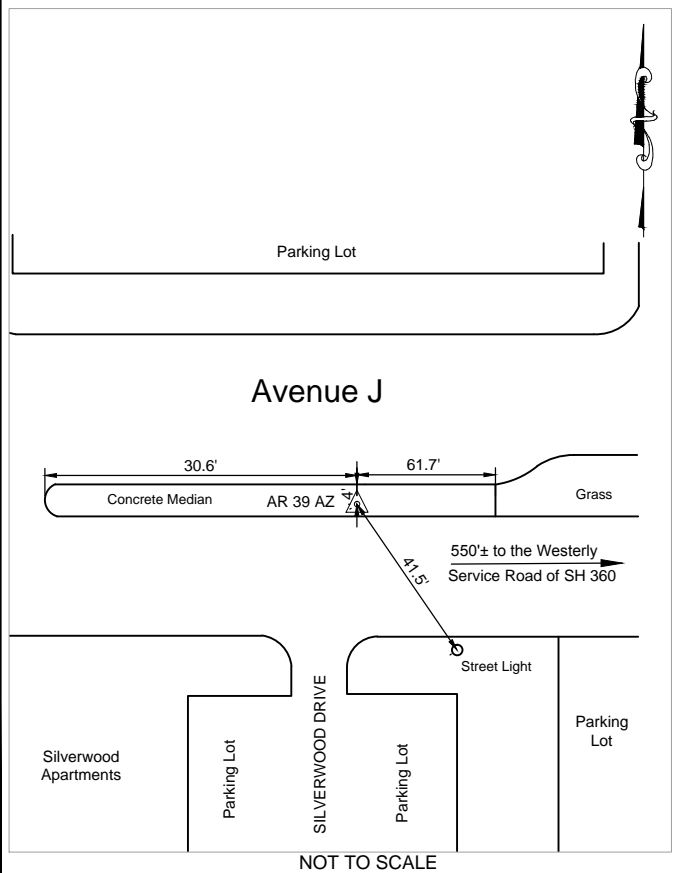
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6965080.27 E: 2409475.43	544.07'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 46' 02.07919" North	0.006'
	Longitude: 97° 03' 55.04268" West	0.006'
	Ellipsoid Height: 454.72'	0.024'

City of Arlington aluminum marker in concrete located the median of Avenue J in front of Silverwood Apartments. The azimuth mark is 30.6' west of the east median nose, 61.7' west of the east edge of concrete, and 41.5' northwest of a street light on the south side of Avenue J.

Mapsc0 70-T

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 39	Surveyor: James B. Gillis, RPLS	
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover		
1. Bullet Nose of Median	East	34.0'			
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>		
			Combined Scale Factor: 0.99986351		
			Date: 2011/10/10		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
AR 39 Az Mark	269° 34' 04"	500.45'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	400619.49 2134209.18	535.77'



FACING EAST



FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6965084.04 E: 2409975.86	535.77'

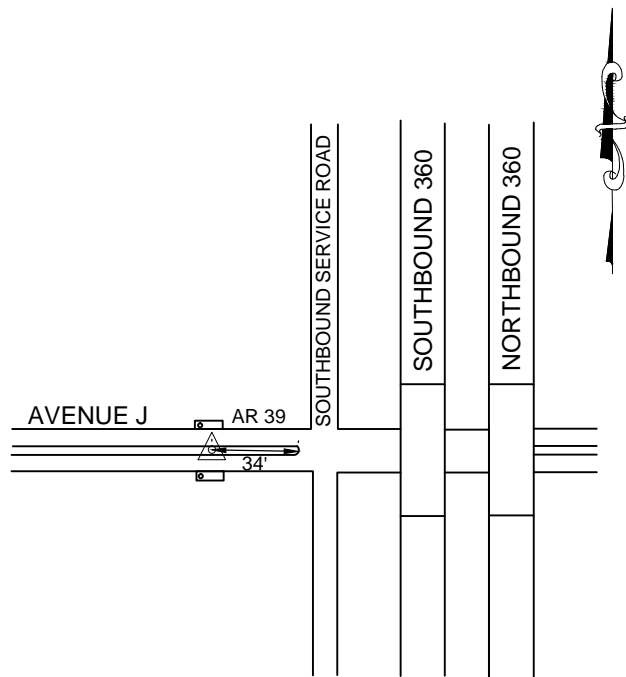
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 46' 02.04886" North Longitude: 97° 03' 49.18142" West Ellipsoid Height: 446.43'	0.012' 0.009' 0.021'

Aluminum cap on rod with access cover stamped "AR 39" located in the center median of Avenue J, 34' west of the bullet nose of the intersection with the southbound Highway 360 service road. The monument is in line with two curb inlets to the north and south.

Mapsc0 70-T

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 40 Az Mark	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
1. Avenue J	North	249'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Crooked Creek Dr.	South	20'	Combined Scale Factor: 0.99986228	Date: 2011/10/10
3. West Sidewalk Edge	East	1'		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
			State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 562.74'



FACING NORTH



FACING WEST

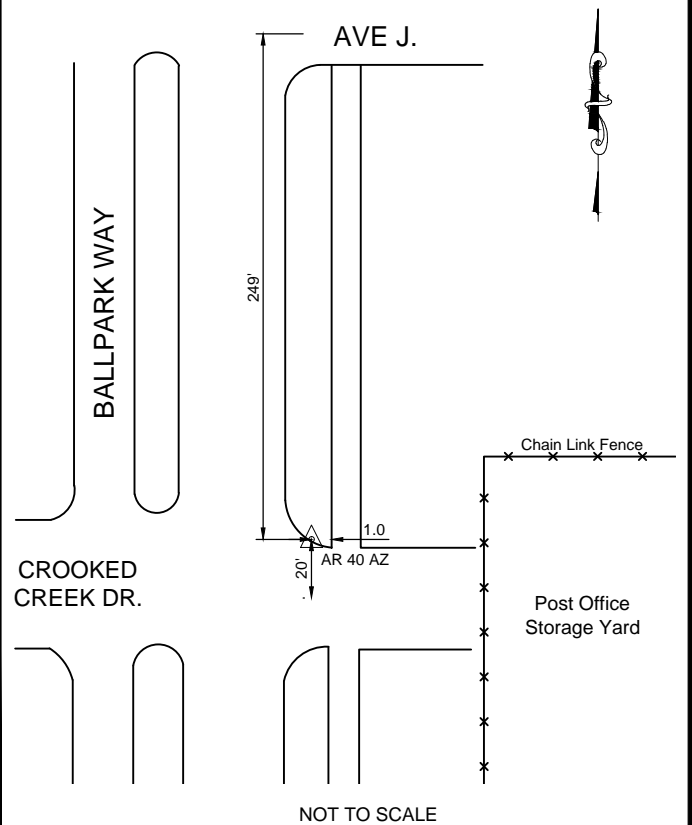
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6964771.75 E: 2406929.37	562.74'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 45' 59.36966" North	0.011'
	Longitude: 97° 04' 24.90893" West	0.013'
	Ellipsoid Height: 473.32'	0.022'

City of Arlington aluminum marker in concrete located in the northeast quadrant of Ballpark Way and Crooked Creek Drive. The azimuth marker is 20' north of the centerline of Crooked Creek Drive, 249' south of the centerline of Avenue J, and 1' west of the west edge of a sidewalk.

Mapsco 70-S

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 40	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. NE Face Frost Bank	Northeast	6.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. NE Corner Frost Bank	Northwest	23.0'	Combined Scale Factor: 0.99986225	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 40 Az Mark	00° 42' 42"	744.62'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 399591.78 2131143.53 567.18'



FACING NORTH



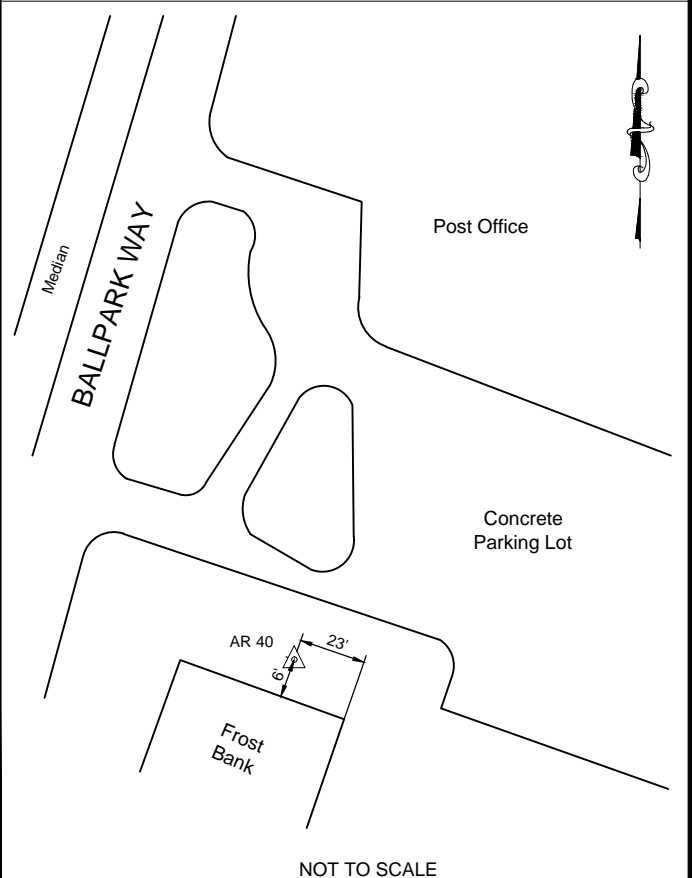
FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6964027.19 E: 2406920.12	567.18'
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
Latitude: 32° 45' 52.00382" North		0.017'
Longitude: 97° 04' 25.13563" West		0.009'
Ellipsoid Height: 477.77'		0.011'

Aluminum cap on rod with access cover located in the parking lot of Frost Bank. The monument is 6' northeast of the northeast face of Frost Bank and 23' northwest of the northeast corner of Frost Bank.

Mapsc0 70-S

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 41 Az Mark	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City of Arlington Aluminum Marker in Concrete	
1. Stop Sign	Southeast	18.5'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Fire Hydrant	Southwest	8.5'	Combined Scale Factor: 0.99986455 Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
			State: TEXAS Zone: NORTH CENTRAL Code: 4202	377920.28 2129197.00 Elevation (Feet) NAVD88 Calculated using Geoid 09: 638.27'



NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6942338.07 E: 2405179.96	638.27'

Geodetic Data	Position:	NAD27 <input type="checkbox"/>	NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude:	32° 42' 17.63269"	North	0.006'
	Longitude:	97° 04' 48.94711"	West	0.013'
	Ellipsoid Height:	548.96'		0.021'

Aluminum Disk stamped AR 41 Azimuth Mark in concrete sidewalk located on the north side of Queens Ct. East and the east side of New York Avenue, 18.5' northwest of a stop sign and 8.5' northeast of a fire hydrant.

Mapsc0 83-Z

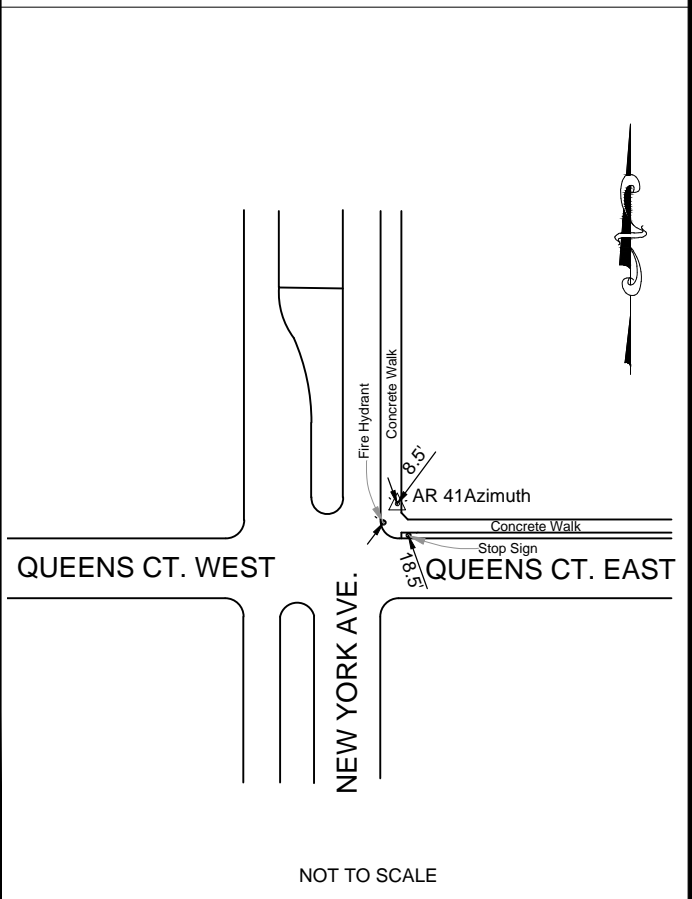


FACING SOUTH



FACING EAST

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 41	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Cottonwood Street	South	128.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Curb	East	5.0'	Combined Scale Factor: 0.99986470	Date: 2011/10/10
Edge of Concrete	South	12.0'		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 41 Az Mark	2° 25' 34"	797.48'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 377123.88 2129155.66 639.98'



FACING SOUTH



FACING WEST

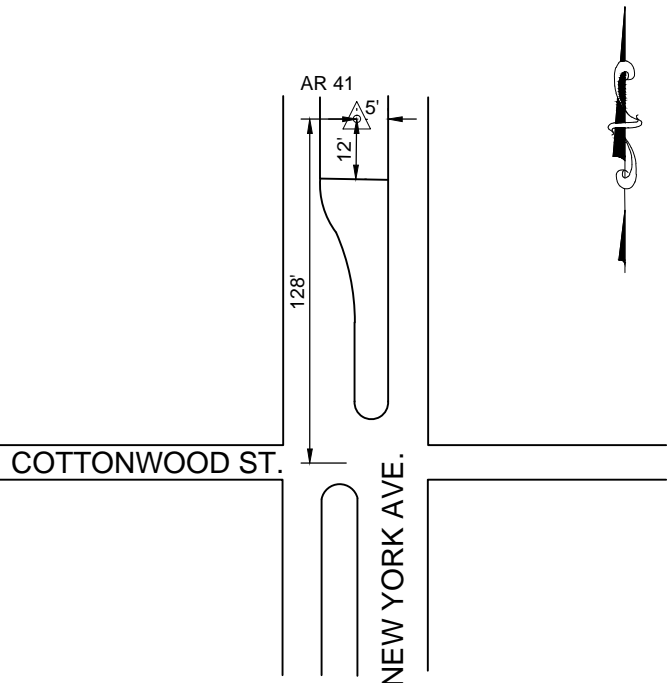
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6941541.31 E: 2405146.20	639.98'
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
Latitude: 32° 42' 09.75352" North		0.009'
Longitude: 97° 04' 49.46817" West		0.006'
Ellipsoid Height: 550.67'		0.033'

Aluminum cap on rod with access cover stamped "AR 41" located in the center median of New York Avenue, 128' north of the centerline of Cottonwood Street. The monument is 5' west of the west curb line of the northbound lanes of New York Avenue.

Mapsco 97-D

FIELD SKETCH

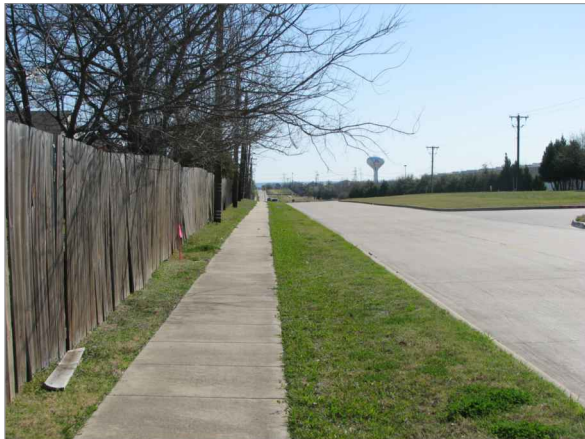
NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 42	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Eden Road	North	11.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Towerwood Drive	East	205.0'	Combined Scale Factor: 0.99987082	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 43	89° 43' 49"	3508.53'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 678.05'



FACING EAST



FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 352161.43 E: 2113866.92	678.05'
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6916434.37 E: 2390095.70	678.05'

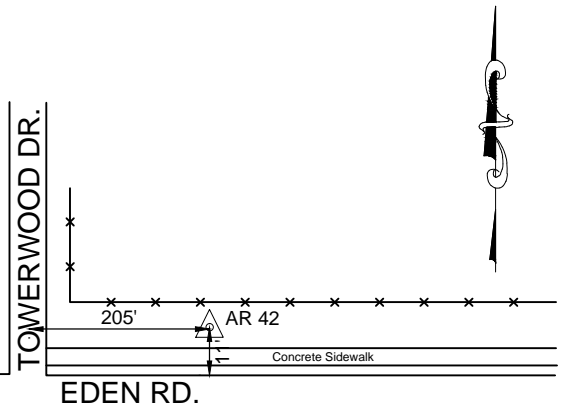
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 38' 03.30658" North	0.014'
	Longitude: 97° 07' 49.43048" West	0.011'
	Ellipsoid Height: 588.55'	0.015'

Aluminum cap on rod with access cover Stamped "AR 42" located on the north side of Eden Road, 11' North of the north curb line and 205' east of the centerline of Towerwood Drive.

Mapsco 110-K

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



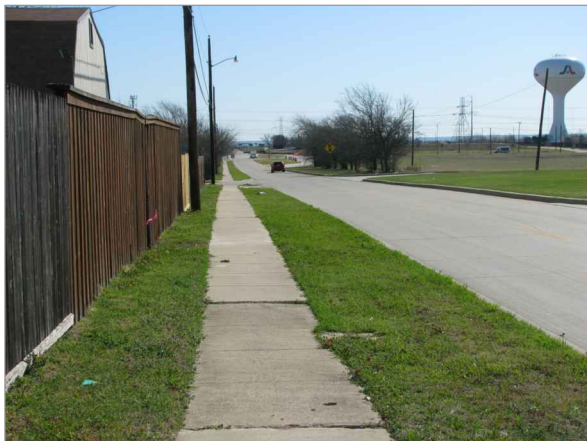
NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 43	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Running Creek Drive	East	230.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Eden Road	South	11.0'	Combined Scale Factor: 0.99987162	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 42	269° 43' 49"	3508.53'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 352144.55 2117375.40 661.62'



FACING NORTH



FACING EAST

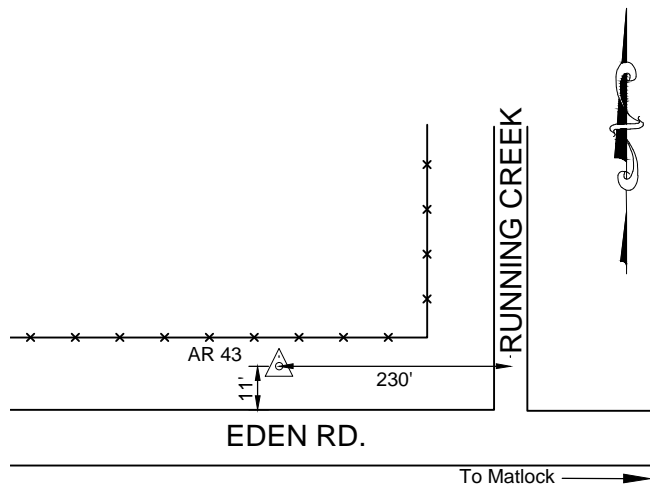
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6916450.88 E: 2393604.20	661.62'
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
Latitude: 32° 38' 03.01549" North		0.006'
Longitude: 97° 07' 08.40072" West		0.006'
Ellipsoid Height: 572.19'		0.006'

Aluminum cap on rod with access cover stamped "AR 43" located on the north side of Eden Road, 230' west of the centerline of Running Creek Drive and 11' north of the north curb line of Eden Road.

Mapsco 110-M

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 44	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Gazebo	South	56.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Tree	Southwest	25.0'	Combined Scale Factor: 0.99987016	Date: 2011/10/10
3. Tree	Northeast	22.0'		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 10	14° 26' 32"	13578.20'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 372470.23 2087093.39 554.72'



FACING SOUTH



FACING EAST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6936487.49 E: 2363129.98	554.72'

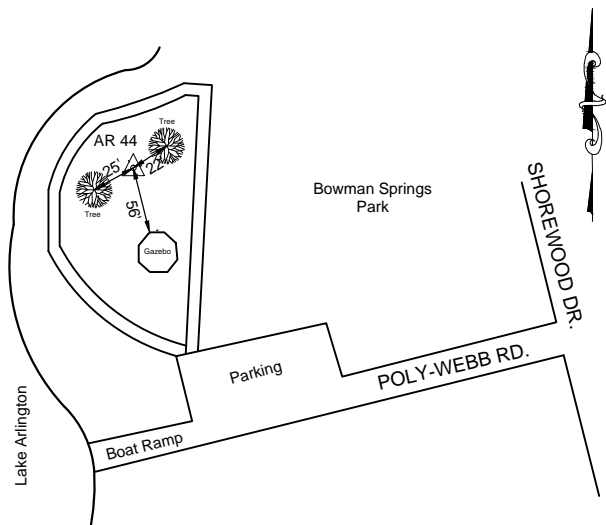
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 41' 25.09516" North	0.008'
	Longitude: 97° 13' 01.89909" West	0.008'
	Ellipsoid Height: 464.37'	0.013'

Aluminum cap on rod with access cover stamped "AR 44" located at Bowman Springs Park on the east side of Lake Arlington. From the intersection of Shorewood Drive and Poly-Webb Road, go southwest toward the lake to parking lot on the right. Proceed northeast to gazebo and continue northeast to the monument approximately centered between two trees.

Mapsc0 94-E

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 45	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Flintshire Drive	Northwest	237.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986642	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 25	144° 51' 56"	8979.19'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 363749.64 2091893.37 689.30'



FACING SOUTH



FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6927812.94 E: 2368012.76	689.30'

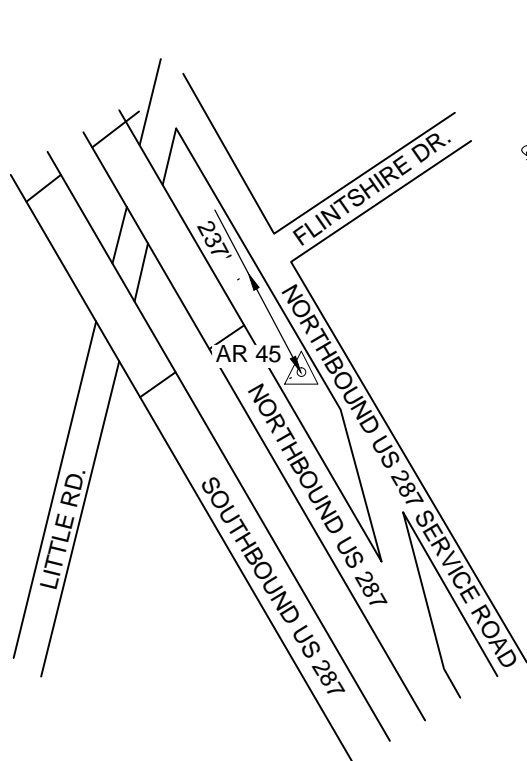
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 39' 58.66900" North	0.002'
	Longitude: 97° 12' 06.01939" West	0.007'
	Ellipsoid Height: 599.20'	0.011'

Aluminum cap on rod with access cover stamped "AR 45" located on the east side of US 287 between the northbound lanes and northbound service road, 5' west of the west curb line of the northbound service road and halfway between the northbound Little Road exit ramp and Flintshire Drive, 237' southeast of the centerline of Flintshire Drive.

Mapsc0 94-U

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 46	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Parking Lot Corner	West	10.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Parking Lot Corner	South	15.0'	Combined Scale Factor: 0.99986953	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 37	86° 51' 45"	4250.05'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 366772.87 2103350.08 604.24'



FACING SOUTH



FACING EAST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6930945.10 E: 2379440.21	604.24'

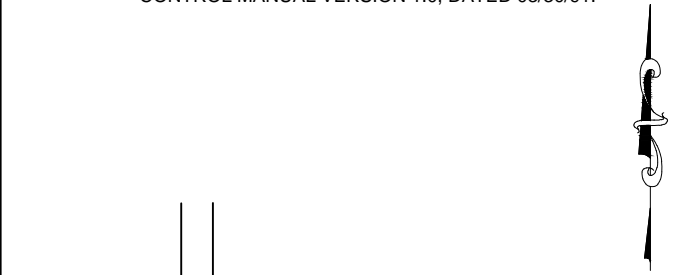
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 40' 28.24333" North	0.010'
	Longitude: 97° 09' 51.87567" West	0.008'
	Ellipsoid Height: 514.39'	0.013'

Aluminum cap on rod with access cover stamped "AR 46" located at the Park and Ride location at the southeast corner of Park Springs Boulevard and Interstate 20. Monument is located at the most northeasterly corner of the parking lot.

Mapsc0 95-Q

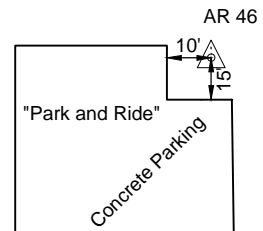
FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



INTERSTATE 20

PARK SPRINGS BLVD.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 47	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. NW Radius of Island	Southeast	9.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986772	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 10	346° 46' 21"	5256.74'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 380458.00 2091758.91 557.14'



NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6944519.33 E: 2367719.27	557.14'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 42' 44.01033" North	0.013'
	Longitude: 97° 12' 07.03779" West	0.010'
	Ellipsoid Height: 466.90'	0.027'

Aluminum cap on rod with access cover stamped "AR 47" located at Richard W. Simpson Park on the east side of Lake Arlington. To reach the monument from the intersection of Green Oaks W and Arkansas Lane, go west on Arkansas Lane 0.75 miles to monument on the left in a traffic island. The island is at the south end of a parking area and provides a circle drive for the lake house. The monument is located 9' southeast of the most northwesterly radius of said island.

Mapsc0 80-U



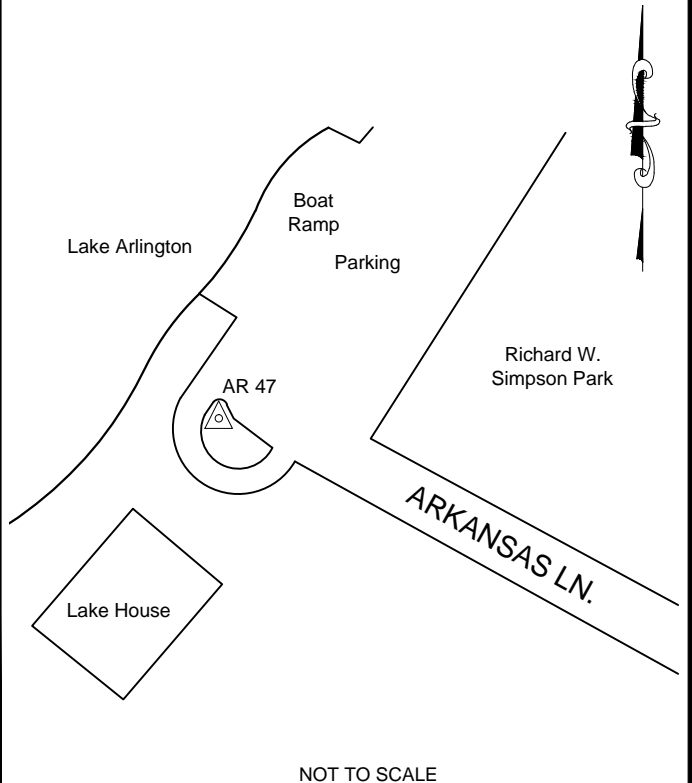
FACING NORTH



FACING EAST

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 48 Az Mark	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
1. Waverly Dr.	South	210'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Quick Trip Parking Lot	North	72'	Combined Scale Factor: 0.99986569	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
			State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 371848.28 2118511.17 651.99'



NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6936164.61 E: 2394552.37	651.99'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 41' 17.95243" North	0.015'
	Longitude: 97° 06' 54.27396" West	0.007'
	Ellipsoid Height: 562.46'	0.019'

City of Arlington aluminum marker in concrete located in an inlet on the west side of Matlock road 210' north of the centerline of Waverly Drive and 72' south of the south entrance to Quick Trip.

Mapsc0 96-H

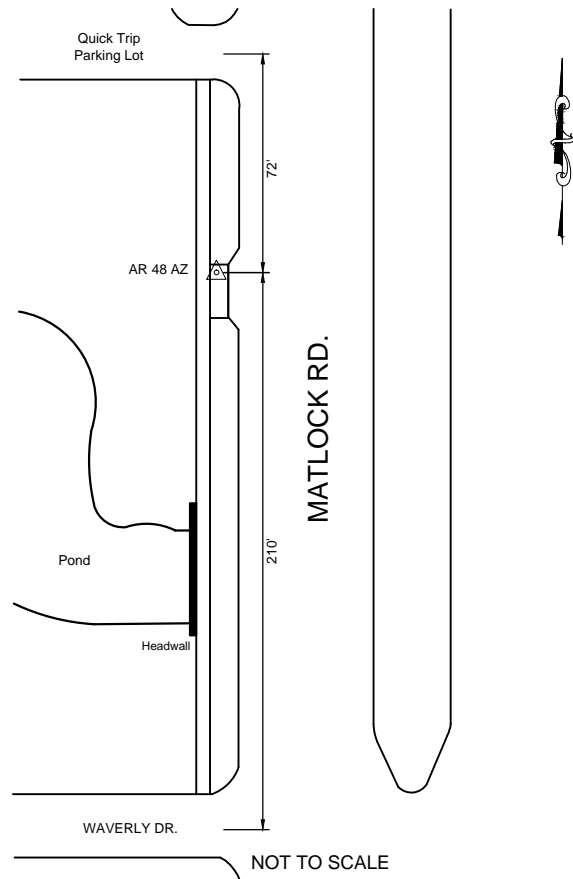


FACING NORTH



FACING WEST

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks		
Reference Mark	Direction	Distance (Feet)
1. Median Nose	North	15.0'
Azimuth Mark	Grid Azimuth	Grid Distance
AR48 Azimuth	182° 13' 20"	899.50'

Station Name: AR48 RESET **Surveyor:** Wayne C. Terry, RPLS LSLS

Type: Aluminum Cap on Rod With Access Cover

Survey Method: GPS/GNSS TRAV OTHER

Combined Factor: 0.99986537 **Date:** 2012/06/28

NAD27 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	372744.96 2118554.29	653.37

NAD83(2007) Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6937063.43 E: 2394587.25	653.37

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 41' 26.84154" North Longitude: 97° 06' 53.72693" West Ellipsoid Height: 563.79	0.01' 0.01' 0.01'

Berntsen Top Security monument with access cover stamped "AR48 RESET" Located approximately _ feet south of the south median nose of the intersection of West Mayfield Road and Matlock Road.

Mapsc9 96-H

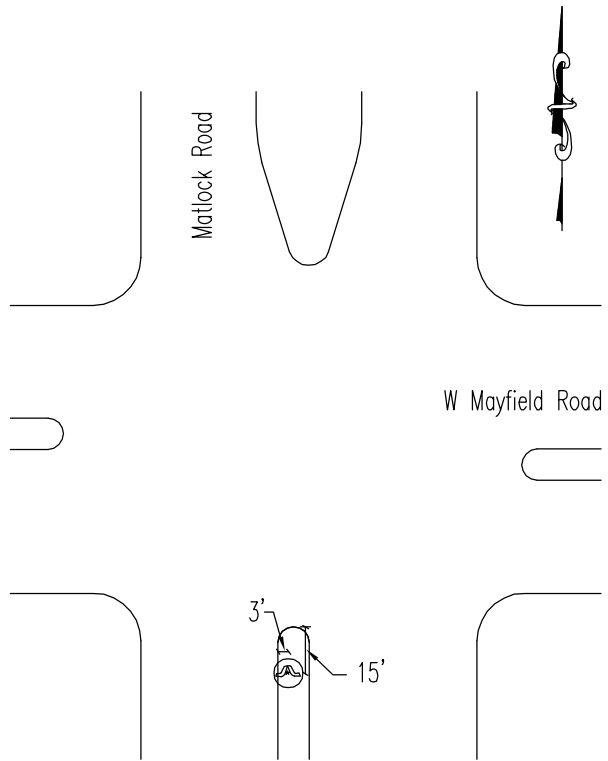


FACING NORTH



FACING EAST

FIELD SKETCH



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 49 Az Mark	Surveyor: James B. Gillis, RPLS						
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete							
1. Center St.	Southwest	31.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>							
2. Entrance to Cooks Children's Pediatrics	Northwest	67.0'	Combined Scale Factor: 0.99986366							
3. Wood Fence	Northeast	20.5'	Date: 2011/10/10							
Azimuth Mark	Grid Azimuth	Grid Distance	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 25%;">NAD27 Grid Data</th> <th style="width: 25%;">Coordinates (U.S. Survey Feet)</th> <th style="width: 25%;">Elevation (Feet) NAVD88 Calculated using Geoid 09</th> </tr> <tr> <td>State: TEXAS Zone: NORTH CENTRAL Code: 4202</td> <td style="text-align: center;">373693.16 2120854.95</td> <td style="text-align: center;">682.91'</td> </tr> </table>		NAD27 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09	State: TEXAS Zone: NORTH CENTRAL Code: 4202	373693.16 2120854.95	682.91'
NAD27 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09								
State: TEXAS Zone: NORTH CENTRAL Code: 4202	373693.16 2120854.95	682.91'								



NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6938031.72 E: 2396878.49	682.91'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 41' 36.12256" North Longitude: 97° 06' 26.76694" West Ellipsoid Height: 593.43'	0.006' 0.007' 0.018'

City of Arlington aluminum marker in concrete located on the east side of Center Street. The azimuth mark is 31' east of the center line of Center Street, 67' south of the center line of the entrance to Cook Children's Pediatrics, and 20.5' southwest of the end of a wood fence.

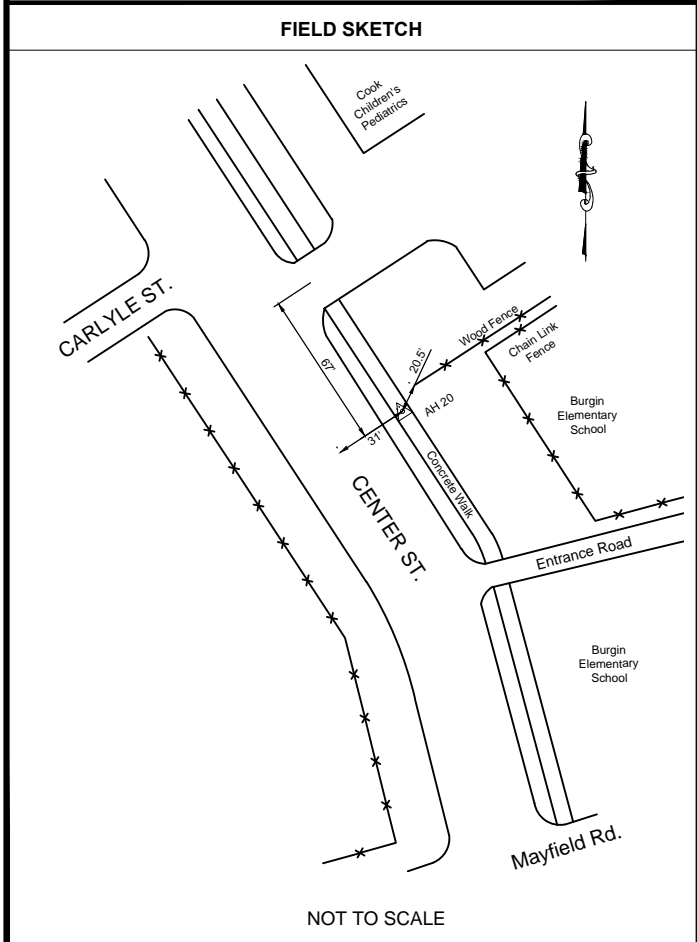
Mapsc0 97-E



FACING SOUTH



FACING EAST



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 49	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Mayfield Road	South	16.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Sidewalk	West	12.0'	Combined Scale Factor: 0.99986453	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 49 Az MARK	335° 41' 13"	648.55'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 668.41'



NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6937440.69 E: 2397145.51	668.41'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 41' 30.23951" North	0.005'
	Longitude: 97° 06' 23.73411" West	0.008'
	Ellipsoid Height: 578.94'	0.025'

Aluminum cap on rod with access cover stamped "AR 49" located at the northeast corner of Mayfield Road and Center Street. The monument is 16' North of north curb line of Mayfield Road 12' east of the east edge of a north-south sidewalk along the east side of Center Street.

Mapsc0 97-E



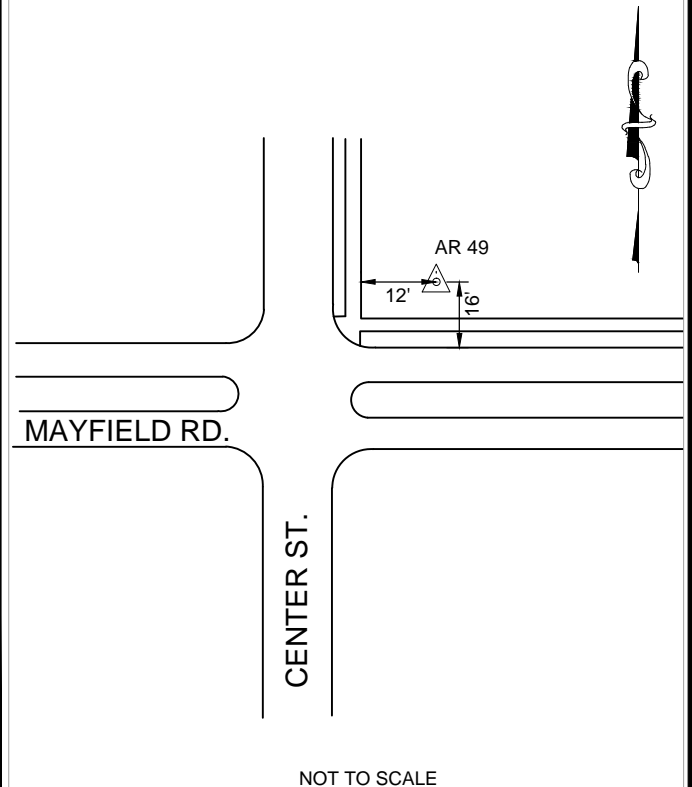
FACING NORTH



FACING WEST

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 50 RESET	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Tornado Siren	North	18.5'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Tree	East	9.5'	Combined Scale Factor: 0.99986589	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 111	352° 57' 27"	947.55'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 373224.65 2123913.29 639.20'



FACING SOUTH



FACING EAST

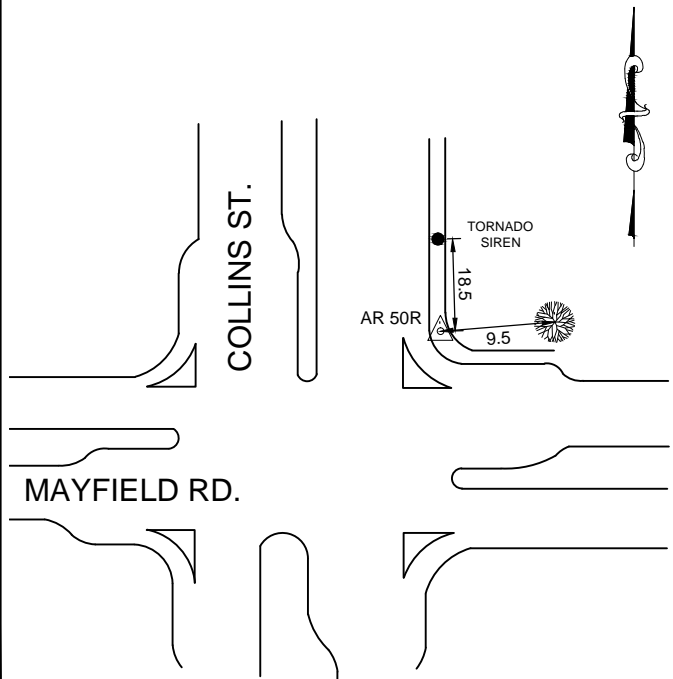
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6937592.34 E: 2399941.16	639.20'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 41' 31.37188" North	0.028'
	Longitude: 97° 05' 50.99798" West	0.040'
	Ellipsoid Height: 549.79'	0.020'

Aluminum cap on rod with access cover located in the northeast quadrant of Mayfield Road and Collins Street. The monument is 18.5' south of a tornado siren and 9.5' west of a tree.

Mapsc0 97-F

FIELD SKETCH



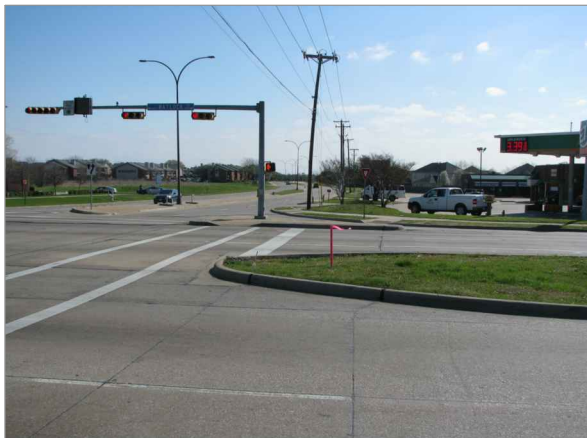
NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 52	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Median Nose	North	6.8'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986754	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 53	179° 33' 32"	3912.11'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 365268.72 2118560.13 655.81'



FACING NORTH



FACING EAST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6929585.79 E: 2394663.95	655.81'

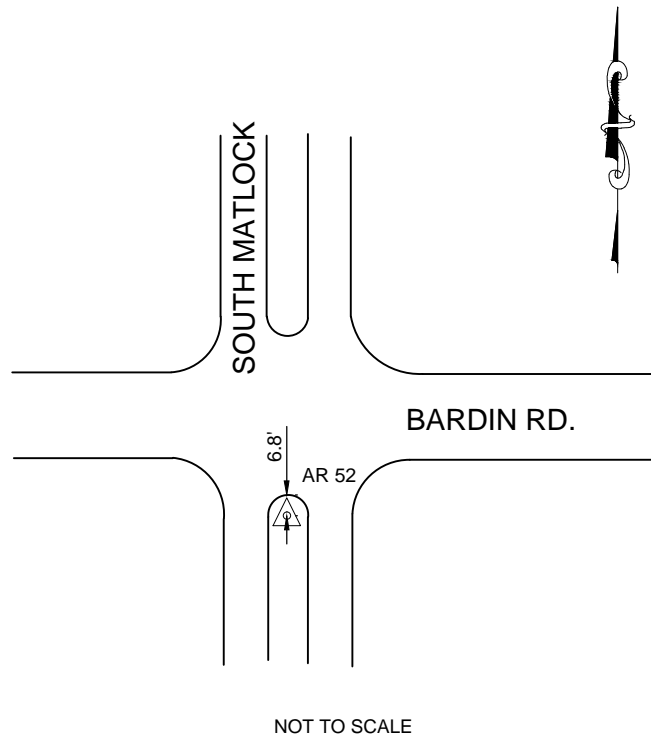
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 40' 12.84280" North	0.009'
	Longitude: 97° 06' 53.98332" West	0.010'
	Ellipsoid Height: 566.34'	0.021'

Aluminum cap on rod with access cover located in the center of a median at the south side of the intersection of South Matlock and Bardin Road. The monument is located 6.8' south of the median nose.

Mapsco 96-R

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 53	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Median Nose	North	17.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986981	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 52	359° 33' 32"	3912.11'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	361356.63 2118553.01 Elevation (Feet) NAVD88 Calculated using Geoid 09 634.59'



NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6925673.79 E: 2394694.07	634.59'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 39' 34.13105" North	0.014'
	Longitude: 97° 06' 54.23431" West	0.005'
	Ellipsoid Height: 545.13'	0.037'

Aluminum cap on rod with access cover stamped "AR 53" located in the center median of Matlock Road, 17' south of the median nose at the south side of the intersection with Green Oaks Boulevard.

Mapsc0 96-Z



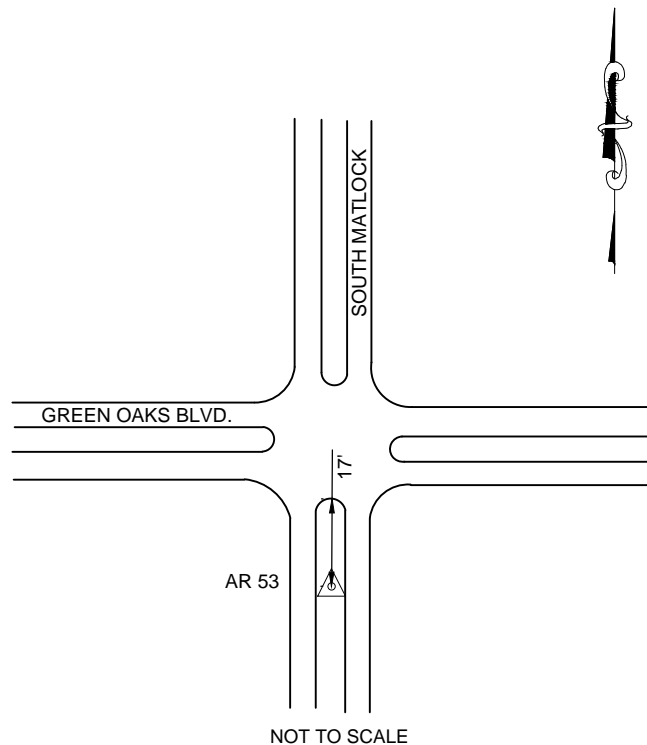
FACING NORTH



FACING EAST

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.

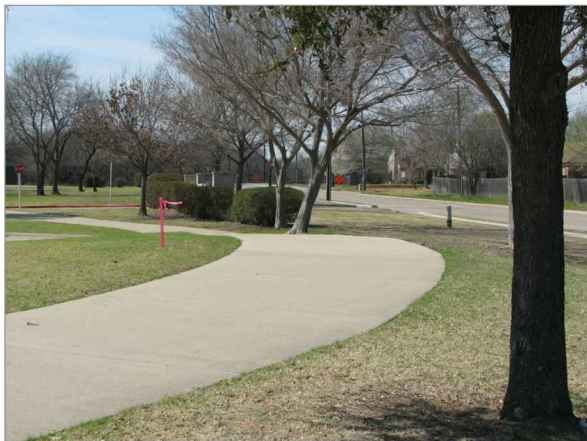


CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 54	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Parking Lot Corner	West	77.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Nathan Lowe Road	North	54.0'	Combined Scale Factor: 0.99987183	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
PK Nail in 9' Sidewalk	128° 50' 13"	1072.21'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 359055.30 2120277.32 608.17'



FACING SOUTH



FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6923388.97 E: 2396440.22	608.17'

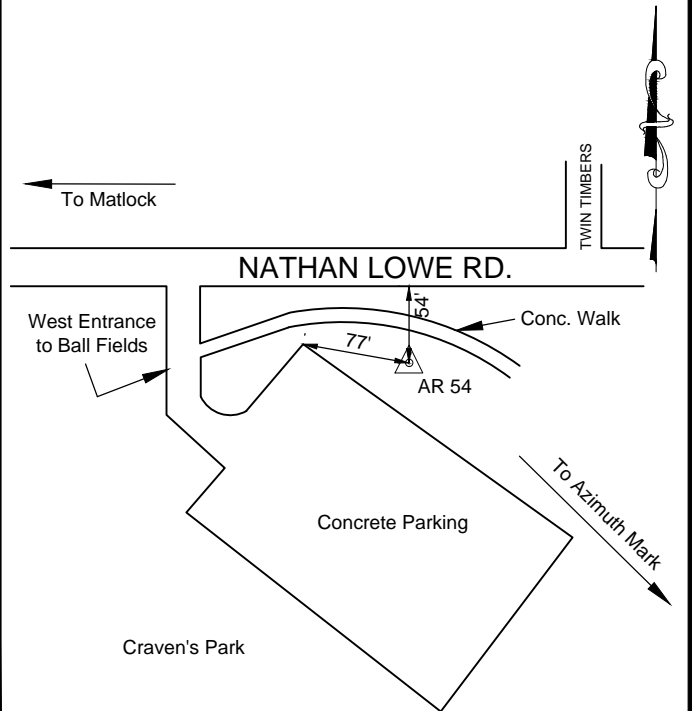
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 39' 11.29529" North	0.017'
	Longitude: 97° 06' 34.16340" West	0.013'
	Ellipsoid Height: 518.77'	0.012'

Aluminum cap on rod with access cover stamped "AR 54" located at Cravens Park. To reach monument from South Matlock Road and Nathan Lowe Road, go east on Nathan Lowe Road to the second entrance to the ball fields, head south down drive and turn left (northeast) to the parking lot and monument ahead. The monument is 77' east of the northwest corner of the concrete parking lot and 54' south of the south curb line of Nathan Lowe Road. The azimuth mark is a PK nail set in the center of a 9' sidewalk 12' southwest of the end of the sidewalk and beginning of fishing pier.

FIELD SKETCH

Mapsco 97-W

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 55	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Inlet	Northwest	37.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Light Pole	Southwest	56.2'	Combined Scale Factor: 0.99987461	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 56	63° 48' 01"	1979.59'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 354746.44 2131497.77 580.48'



FACING SOUTH



FACING EAST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6919187.09 E: 2407701.21	580.48'

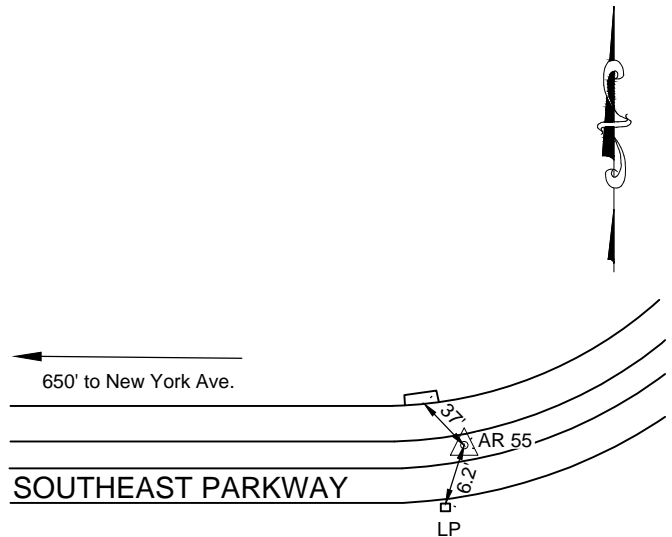
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 38' 28.22509" North	0.006'
	Longitude: 97° 04' 23.12128" West	0.010'
	Ellipsoid Height: 491.34'	0.016'

Aluminum cap on rod with access cover stamped "AR 55" located in the center median of Southeast Parkway, 650' east of New York Avenue.

Mapsco 112-E

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



Tarrant County College
Southeast Campus

NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 56	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
Median Nose	East	17.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99987427	
			Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 55	243° 48' 01"	1979.59'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 355603.48 2133282.21 581.41'



FACING SOUTH



FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6920061.08 E: 2409477.45	581.41'

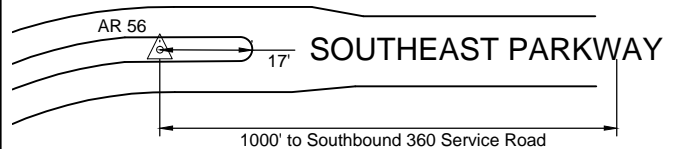
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 38' 36.63362" North	0.007'
	Longitude: 97° 04' 02.20966" West	0.006'
	Ellipsoid Height: 492.24'	0.010'

Aluminum cap on rod with access cover stamped "AR 56" located in the center median of Southeast Parkway, 1000' west of the southbound Highway 360 service road. Heading west, the monument is 17' west of the beginning of the divided pavement.

Mapsco 112-F

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.

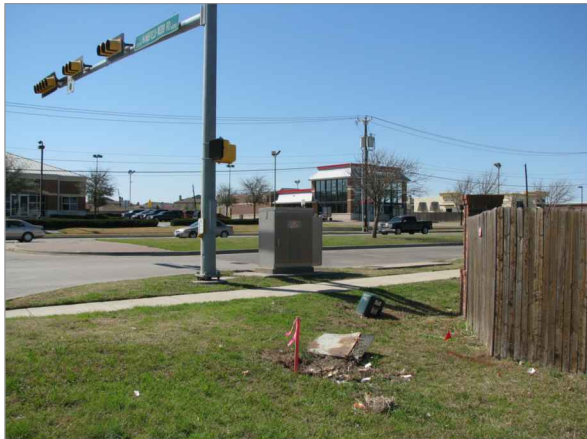


TCC Southeast Campus

NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 57	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. E edge of concrete walk	West	85.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Mansfield-Webb Road	South	14.6'	Combined Scale Factor: 0.99987581	
3. Fence Corner	Northeast	7.9'	Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 58	60° 27' 14"	3660.75'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 342757.83 2118210.94 644.04'



FACING NORTHWEST



FACING WEST

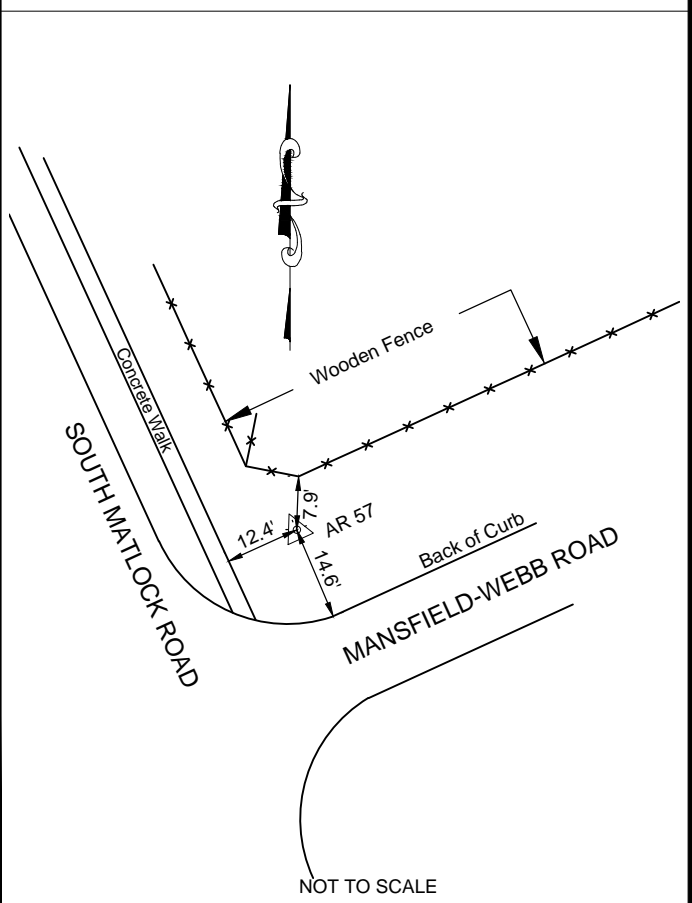
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6907072.50 E: 2394529.05	644.04'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 36' 30.09913" North	0.004'
	Longitude: 97° 06' 59.03026" West	0.003'
	Ellipsoid Height: 554.69'	0.005'

Aluminum cap on rod with access cover stamped "AR 57". Monument is located at the northeast corner of South Matlock Road and Mansfield-Webb Road. The monument is 12.4' east of the east edge of the concrete walk along east side of Matlock Road and 14.6' north of the north curb line of Mansfield-Webb Road. The monument is 7.9' southwest of a fence corner.

Mapsco 110-Z

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 58	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. La Frontera Trail	Northeast	110.6'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
1. Power Pole	Northeast	24.8'	Combined Scale Factor: 0.99987703	
1. Mansfield City Limit Sign	Northwest	39.0'	Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 57	240° 27' 14"	3660.75'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 605.02'



FACING SOUTH



FACING EAST

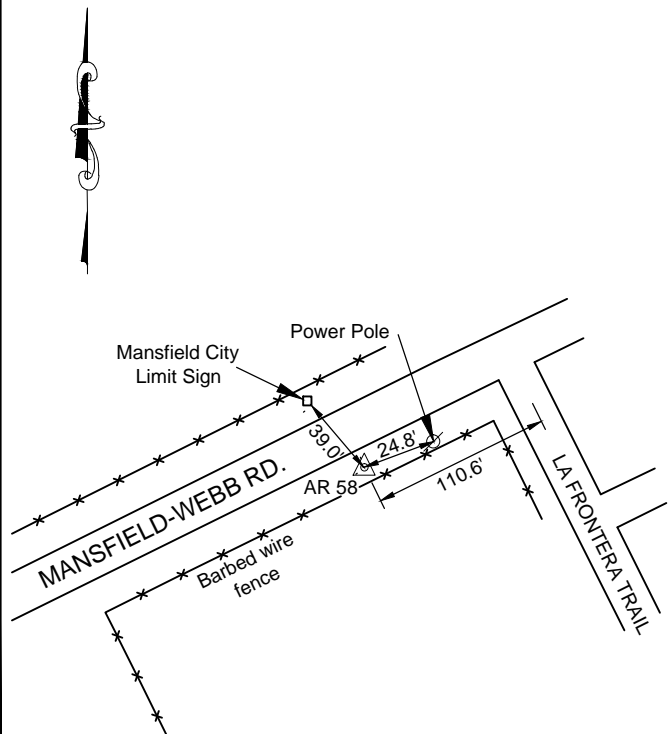
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6908877.70 E: 2397713.75	605.02'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 36' 47.54437" North	0.005'
	Longitude: 97° 06' 21.52026" West	0.008'
	Ellipsoid Height: 515.73'	0.004'

Aluminum cap on rod with access cover stamped "AR 58" located on the south side of Mansfield-Webb Road at the Arlington/Mansfield city limits. The monument is 110.6' southwest of La Frontera Trail, 24.8' southwest of a power pole, and 39' southeast of a Mansfield city limit sign on the north side of Mansfield-Webb Road.

Mapsco 111-S

FIELD SKETCH



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 59 Az Mark	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
1. Commercial Blvd.	North	528'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Power Pole	Northwest	10.5'	Combined Scale Factor: 0.99987335	Date: 2011/10/10
3. Fire Hydrant	Southwest	108.5'		
Azimuth Mark	Grid Azimuth	Grid Distance		

NAD27 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	346574.92 2111469.84	666.35'
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6910825.27 E: 2387751.90	666.35'
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
Latitude: 32° 37' 08.10781" North		0.008'
Longitude: 97° 08' 17.68851" West		0.003'
Ellipsoid Height: 576.83'		0.023'



City of Arlington aluminum marker in concrete located in the northwest corner of an inlet on the west side of Cooper Street, 528' south of Commercial Boulevard. The monument is 10.5' southeast of a power pole and 108.5' northeast of a fire hydrant.

Mapsco 110-P

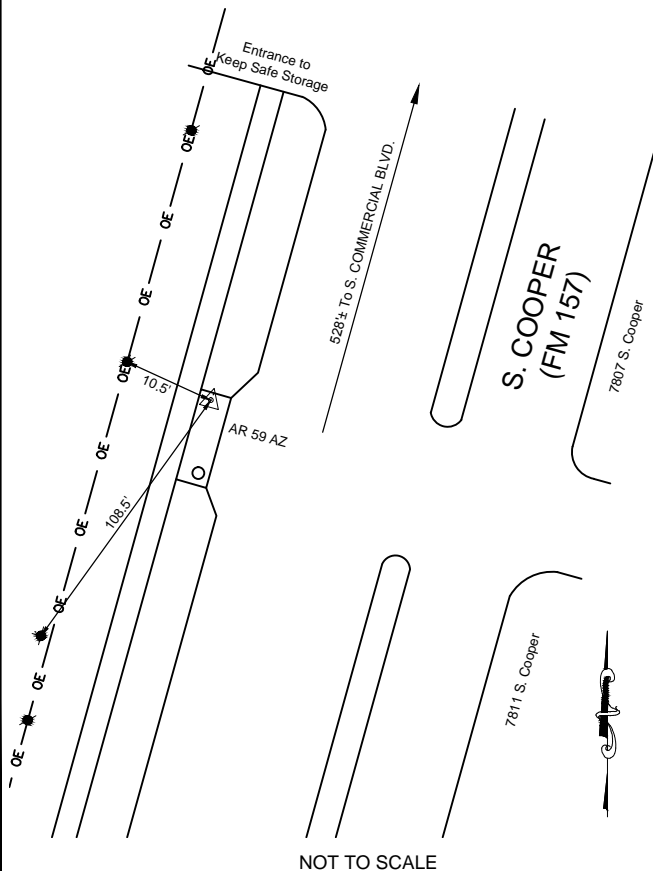


FACING NORTH



FACING WEST

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 59	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99987279	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 59 Az Mark	205° 25' 35"	672.51'		
			State: TEXAS	
			Zone: NORTH CENTRAL	347179.51
			Code: 4202	2111764.35
				Elevation (Feet) NAVD88 Calculated using Geoid 09
				673.59'



NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS	N: 6911432.64	673.59'
Zone: NORTH CENTRAL	E: 2388040.64	
Code: 4202		

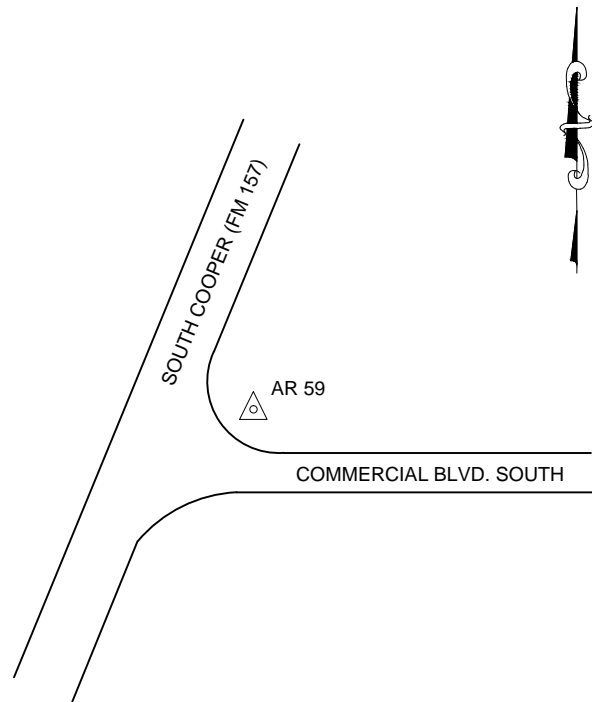
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 37' 14.08047" North	0.006'
	Longitude: 97° 08' 14.22051" West	0.011'
	Ellipsoid Height: 584.07'	0.015'

Aluminum cap on rod with access cover stamped "AR 59" located at the northeast corner of South Cooper Street (FM 157) and Commercial Boulevard South.

Mapsco 110-P

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE



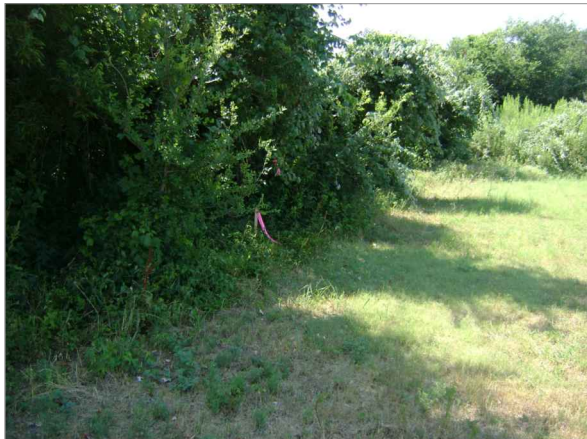
FACING NORTH



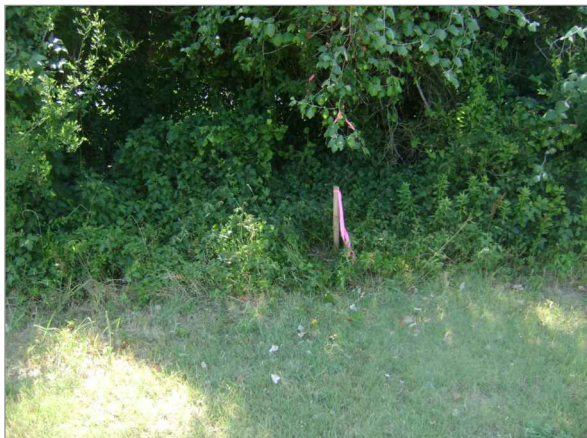
FACING WEST

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 61	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Fence Corner	Southwest	72.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Fence Line	East	9.0'	Combined Scale Factor: 0.99987276	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
CT 1	279° 18' 31"	5657.79'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 349407.17 2106578.44 657.68'



FACING SOUTH



FACING EAST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6913610.85 E: 2382833.74	657.68'

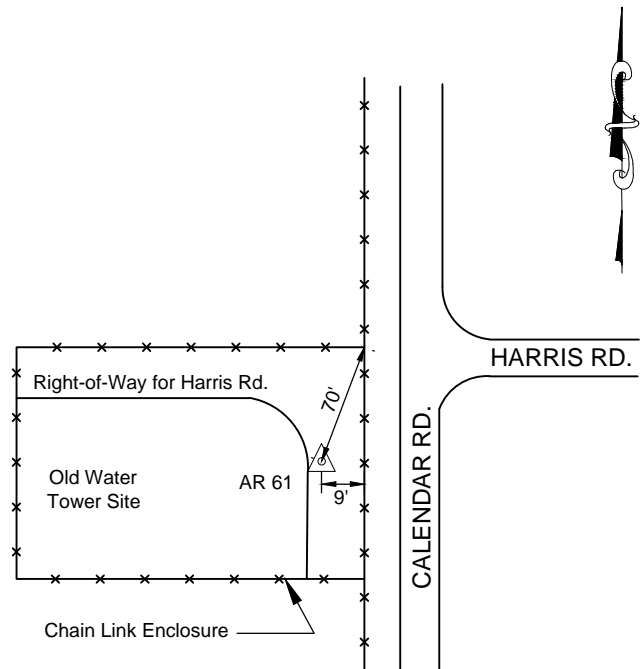
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 37' 36.29745" North	0.011'
	Longitude: 97° 09' 14.77291" West	0.009'
	Ellipsoid Height: 568.03'	0.023'

Aluminum cap on rod with access cover stamped "AR 61" located at the Southwest corner of Harris Road and Calendar Road. The monument is currently located inside of a chain link fence enclosure. This enclosure is on the west side of Calendar Road at a "T" intersection with Harris Road. The monument is 72' South southwest of a northeast fence corner and 9' west of the east fence line. This fence was formerly used to enclose a water tower.

Mapsco 109-R

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 62	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. City Limit Sign	Southeast	300'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Fence Corner	Northwest	63.0'	Combined Scale Factor: 0.99987293	Date: 2011/10/10
3. Fence Line	West	3.0'		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
CT 1	330° 26' 59"	5618.72'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 345461.45 2103728.56 683.56'



FACING SOUTH



FACING WEST

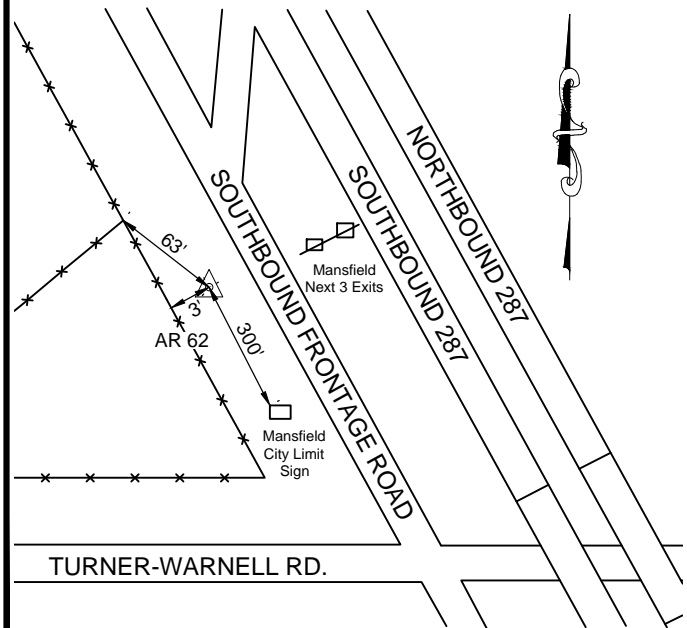
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6909638.17 E: 2380021.54	683.56'
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
Latitude: 32° 36' 57.34416" North		0.004'
Longitude: 97° 09' 48.24632" West		0.005'
Ellipsoid Height: 593.87'		0.007'

Aluminum cap on rod with access cover stamped "AR 62" located along the West side of US 287, north of Turner-Wall Road. The monument is located 3' east of a fence along the west right-of-way of US 287, 300' +/- north of a Mansfield City Limits sign. The monument is located in line with "Mansfield Next 3 Exits" sign located between the southbound lanes and the southbound service road. The monument is 63' south of a fence corner.

Mapsco 109-U

FIELD SKETCH

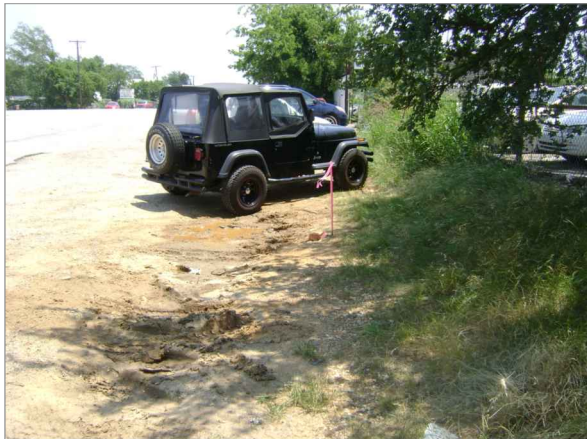
NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



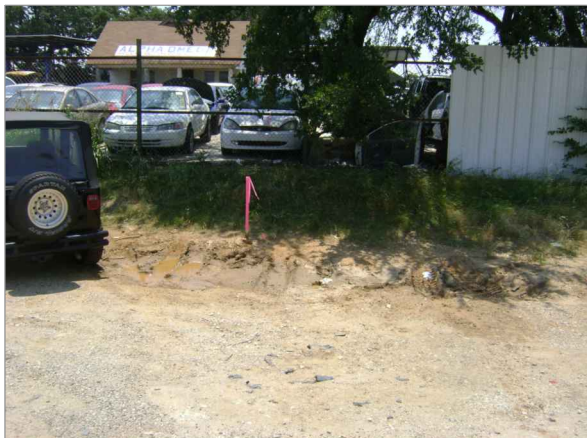
NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 63	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod	
1. Centerline Mansfield Rd.	Northeast	40'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Fence Line	Southwest	15'	Combined Scale Factor: 0.99987097	
3. Fire Hydrant	South	34'	Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
TX 03	319° 31' 45"	2340.92'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 347865.07 2093651.40 706.62'



FACING SOUTH



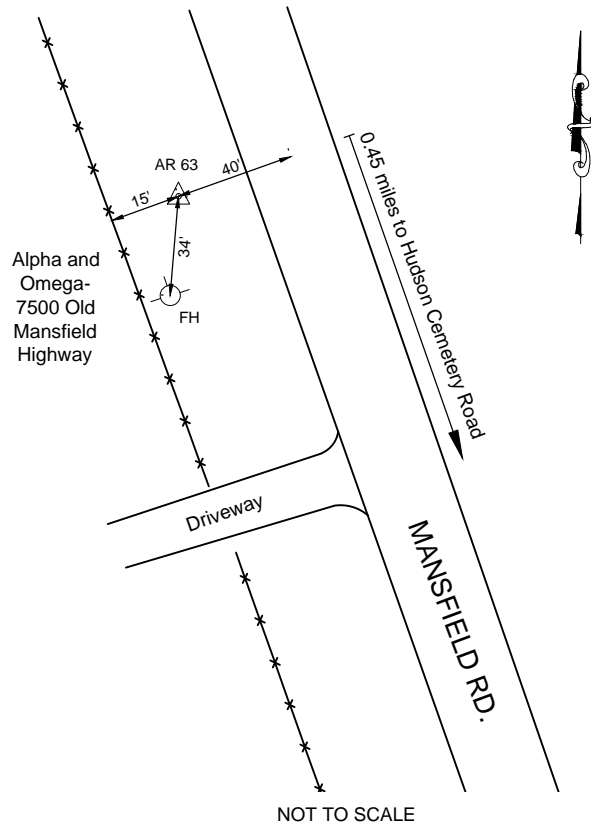
FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6911945.76 E: 2369921.92	706.62'
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
Latitude: 32° 37' 21.43320" North		0.024'
Longitude: 97° 11' 45.98997" West		0.009'
Ellipsoid Height: 616.69'		0.019'

Aluminum cap on rod located on the west side of Mansfield Road. The monument is 40' southwest of the centerline of Mansfield Road, 15' northeast of a fence line, and 34' north of a fire hydrant.

Mapsc0 108-R

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 64 Az Mark	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City of Arlington Aluminum Marker in Concrete	
1. Power Pole	Northwest	41.5'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Gas Meter	Northwest	31'	Combined Scale Factor: 0.99987112	
3. Fannin Drive	North	266'	Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
			State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 356593.35 2112772.86 640.13'



NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6920855.69 E: 2388959.50	640.13'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 38' 47.20050" North	0.005'
	Longitude: 97° 08' 02.04451" West	0.006'
	Ellipsoid Height: 550.57'	0.011'

Aluminum disk stamped "AR 64 Azimuth Mark" in the approximate center of a 15' long storm drain inlet located on the west side of Cooper Street (FM 157) 266' north of Fannin Drive. Disk is 41.5 feet southeast of a power pole and 31' southeast of a gas meter.

Mapsco 110-B

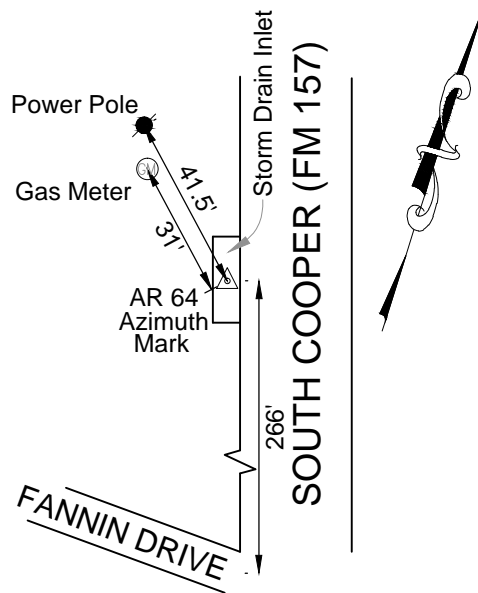


FACING NORTH



FACING WEST

FIELD SKETCH



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 64	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99987011	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 64 Az Mark	169° 42' 50"	2175.32'		
			Elevation (Feet) NAVD88 Calculated using Geoid 09	
			State: TEXAS	358737.30
			Zone: NORTH CENTRAL	2112404.82
			Code: 4202	646.33'



NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS	N: 6922996.04	646.33'
Zone: NORTH CENTRAL	E: 2388571.07	
Code: 4202		

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 39' 08.42862" North	0.011'
	Longitude: 97° 08' 06.26214" West	0.006'
	Ellipsoid Height: 556.75'	0.022'

Aluminum cap on rod with access cover stamped "AR 64" located on the west side of south Cooper Street (FM 157) north of Turf Club Drive. The monument is located near the end of a wood fence.

Mapsco 110-B



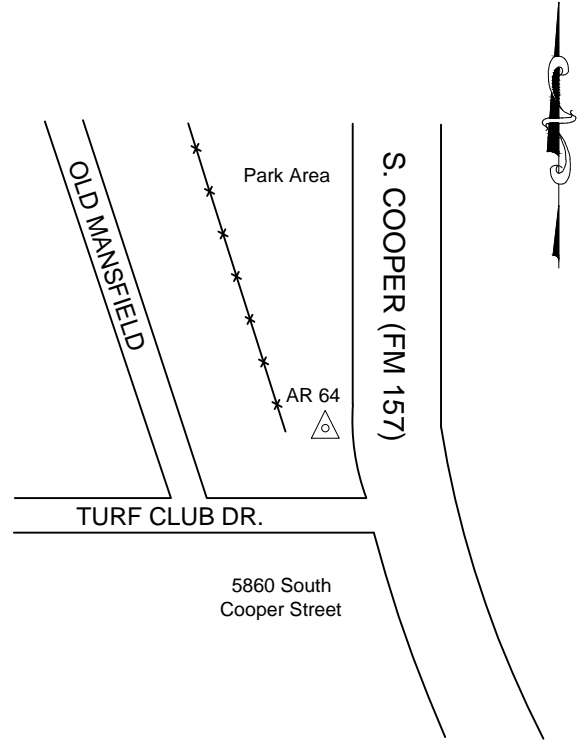
FACING SOUTH



FACING WEST

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 65 Az Mark	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
1. Cooper St.	West	500±	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Fire Hydrant	South	7.2'	Combined Scale Factor: 0.99986863	
			Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
			State: TEXAS Zone: NORTH CENTRAL Code: 4202	361419.74 2113116.53
				Elevation (Feet) NAVD88 Calculated using Geoid 09
				658.80'



FACING NORTH



FACING WEST

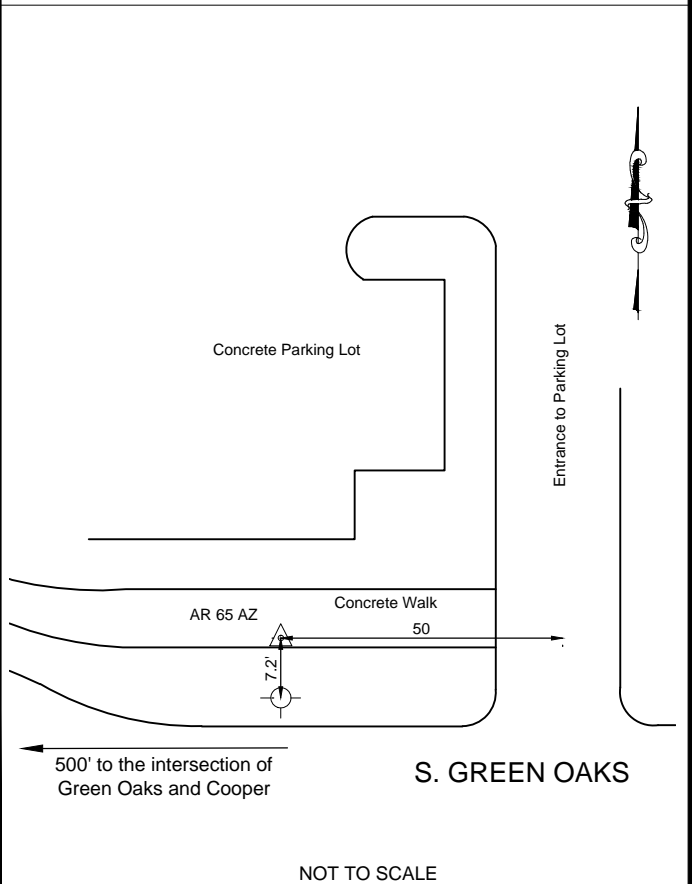
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6925685.15 E: 2389257.22	658.80'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 39' 34.94815" North Longitude: 97° 07' 57.82752" West Ellipsoid Height: 569.22'	0.008' 0.012' 0.018'

City of Arlington aluminum marker in concrete located on the north side of Green Oaks Boulevard. The monument is 500± east of the centerline of S. Cooper Street and 7.2' north of a fire hydrant.

Mapsc0 96-X

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

DISTANCE AND DIRECTION TO REFERENCE & AZIMUTH MARKS			STATION NAME: AR-65 RESET	SURVEYOR: JOHN F. WILDER, RPLS	
REFERENCE MARK	DIRECTION	DISTANCE (Feet)	TYPE: ALUMINUM DISK SET IN CONCRETE		
1. COOPER ST.	WEST	500'±	SURVEY METHOD: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>		
2. FIRE HYDRANT	SOUTH	7.2'	COMBINED SCALE FACTOR: 0.99986973		DATE: 11-17-14
AZIMUTH MARK	GRID AZIMUTH	GRID DISTANCE	NAD27 GRID DATA	COORDINATES (U.S. SURVEY FEET)	ELEVATION (Feet) NAVD88 CALCULATED USING GEOID 03
AR 65	88°-50'-52"	1228.71'	STATE: TEXAS ZONE: NORTH CENTRAL CODE: 4202		

NAD83 (2007) ADJUSTMENT GRID DATA		COORDINATES (U.S. SURVEY FEET)	ELEVATION (Feet) NAVD88 CALCULATED USING GEOID 03
STATE: TEXAS ZONE: NORTH CENTRAL CODE: 4202		N: 6925660.44 E: 2388028.76	637.15'
GEODETTIC DATA	POSITION: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	STANDARD DEVIATION	
	LATITUDE: 32°39'34.86163" N	0.001	
	LONGITUDE: 97°08'12.20059" W	0.004	
	ELLIPSOID HEIGHT: 547.56	0.040	



FACING WEST TOWARDS MONUMENT

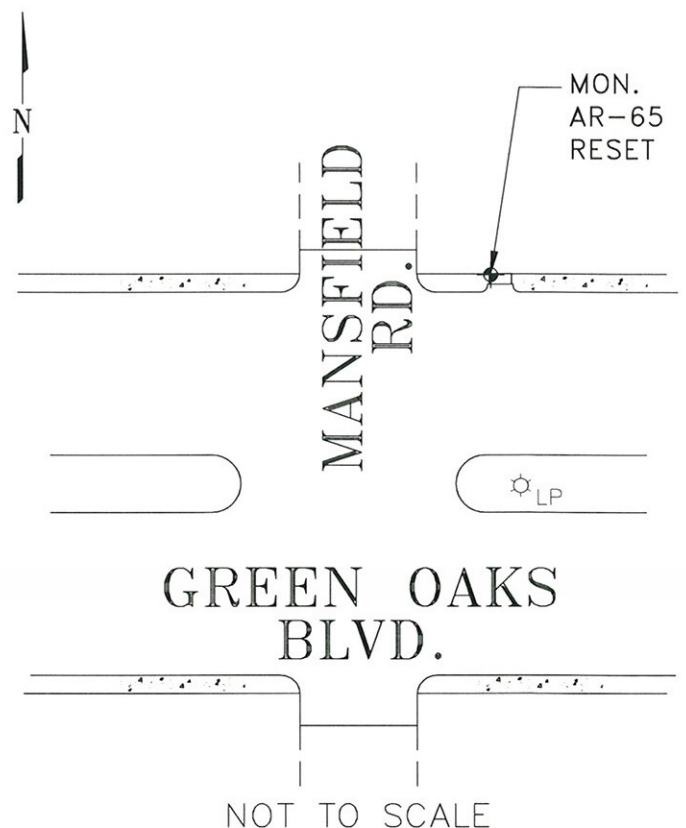


FACING EAST TOWARDS MONUMENT



Aluminum monument on the northwest corner of a recessed inlet. The inlet is approximately 67' east of the intersection of Mansfield Rd on the north side of Green Oaks Blvd.

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 66 Az Mark	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
1. Green Oaks Blvd.	North	450'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Bowen Rd.	West	5.5'	Combined Scale Factor: 0.99987195	Date: 2011/10/10
3. Rush Springs Entrance	North	35'		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
			State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 593.16'



FACING NORTH



FACING EAST

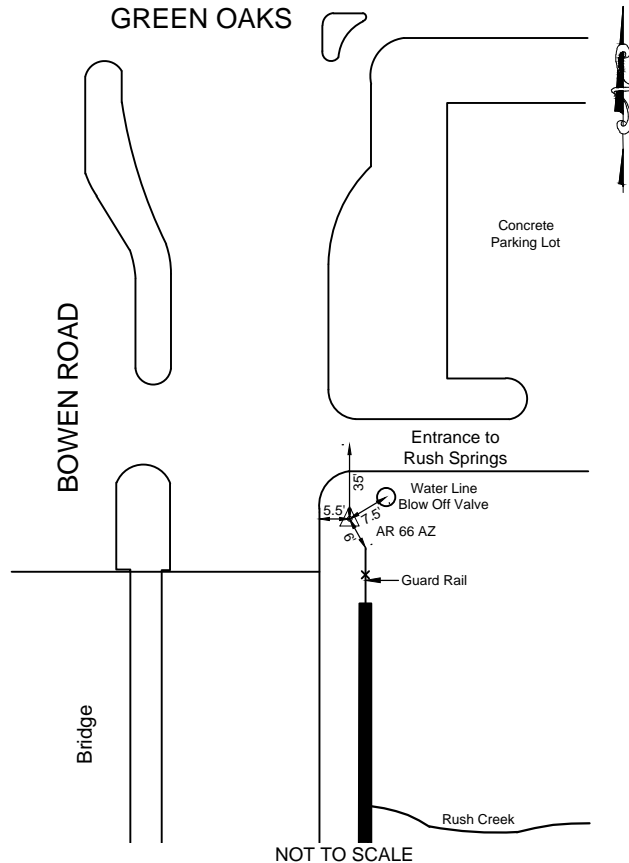
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	360890.06 2107979.78	593.16'
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6925106.60 E: 2384125.72	593.16'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 39' 29.88037" North	0.007'
	Longitude: 97° 08' 57.93803" West	0.012'
	Ellipsoid Height: 503.47'	0.011'

City of Arlington aluminum marker in concrete located 450' south of the intersection of Green Oaks Boulevard and Bowen Road. The azimuth mark is 5.5' east of the east curb line of Bowen Road, 35' south of the center line of the entrance to Rush Springs, 7.5' southwest of a water line blow off valve, and 6' northwest of the north end of a guard rail.

Mapsc0 95-Z

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 66	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Mid Radius of Curb	Southwest	6.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Crosswalk Signal	Southeast	4.0'	Combined Scale Factor: 0.99987196	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 66 Az Mark	180° 31' 25"	518.66'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 361408.62 2107989.45 589.28'



NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6925625.23 E: 2384130.46	589.28'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 39' 35.01151" North	0.002'
	Longitude: 97° 08' 57.80458" West	0.007'
	Ellipsoid Height: 499.58'	0.012'

Aluminum cap on rod with access cover stamped "AR 66" located at the Northeast corner of Green Oaks SW and Bowen Road. The monument is 6' northeast of curb line at the approximate radius of said corner and 4' southeast of a crosswalk signal.

Mapsc0 95-Z



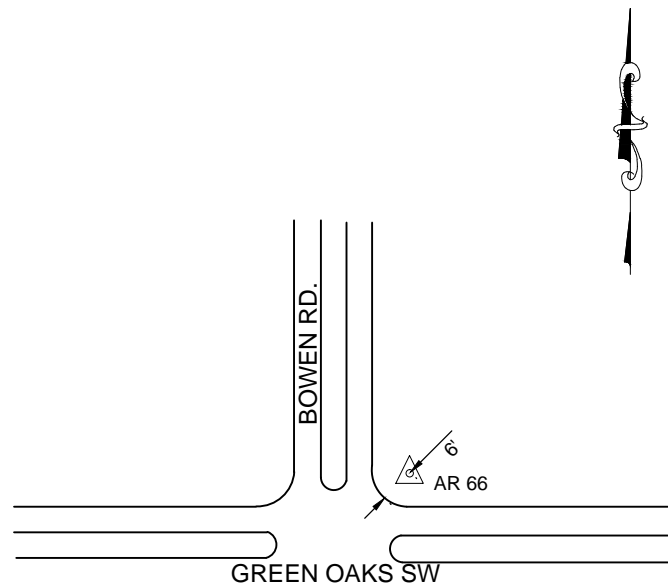
FACING SOUTH



FACING WEST

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

DISTANCE AND DIRECTION TO REFERENCE & AZIMUTH MARKS			STATION NAME: AR-69 RESET	SURVEYOR: JOHN F. WILDER, RPLS	
REFERENCE MARK	DIRECTION	DISTANCE (Feet)	TYPE: ALUMINUM DISK SET IN CONCRETE		
1. COOPER ST.	SOUTHEAST	6.0'	SURVEY METHOD: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>		
			COMBINED SCALE FACTOR: 0.99986418		DATE: 11-17-14
			NAD27 GRID DATA	COORDINATES (U.S. SURVEY FEET)	ELEVATION (Feet) NAVD88 CALCULATED USING GEOID 03
AZIMUTH MARK	GRID AZIMUTH	GRID DISTANCE	STATE: TEXAS		
AR 70	29°-17'-46"	3563.56	ZONE: NORTH CENTRAL		
			CODE: 4202		



FACING NORTH TOWARDS MONUMENT



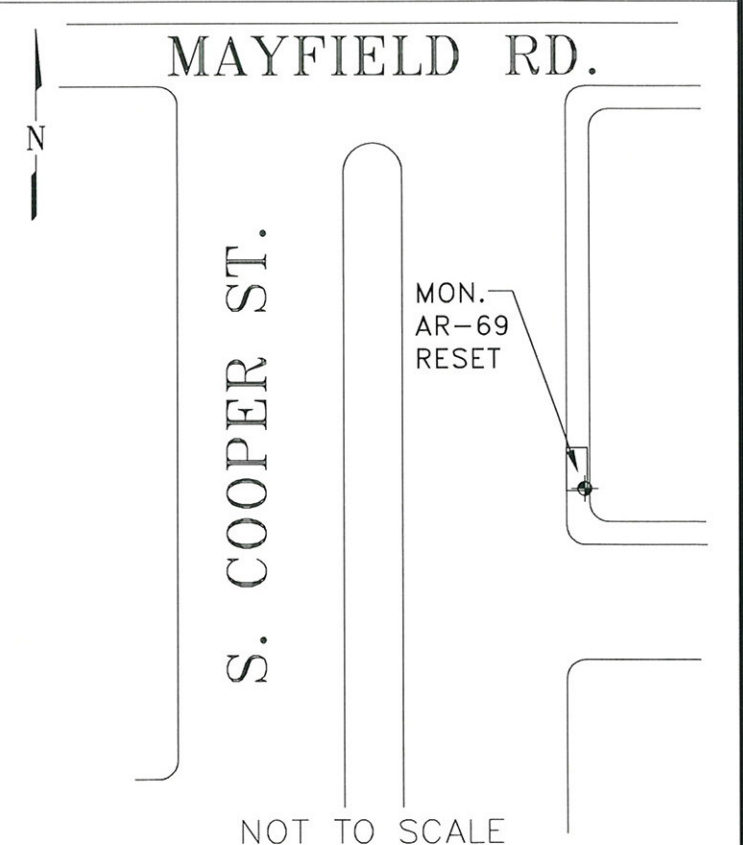
FACING SOUTH TOWARDS MONUMENT



STATE: TEXAS		
ZONE: NORTH CENTRAL		
CODE: 4202		
GEODETIC DATA	POSITION: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	STANDARD DEVIATION
	LATITUDE: 32°41'27.26622" N	0.013
	LONGITUDE: 97°07'43.30539" W	0.007
	ELLIPSOID HEIGHT: 589.53	0.027

Aluminum monument located on the southeast corner of a 15' standard inlet approximately 250' south of the intersection of Mayfield Rd. and is on the east side of South Cooper St.

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 70	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Cooper Street	Southeast	6.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986480	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 69	209° 52' 14"	3263.02'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 375865.44 2116091.01 645.66'



NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6940158.57 E: 2392094.11	645.66'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 41' 57.79104" North	0.006'
	Longitude: 97° 07' 22.42497" West	0.007'
	Ellipsoid Height: 556.00'	0.009'

Aluminum cap on rod with access cover stamped "AR 70" located at the northwest corner of South Cooper Street (FM 157) and California Lane. The monument is 6' west of the west curb line of Cooper Street at approximately the north curb return of said corner.

Mapsc0 96-C



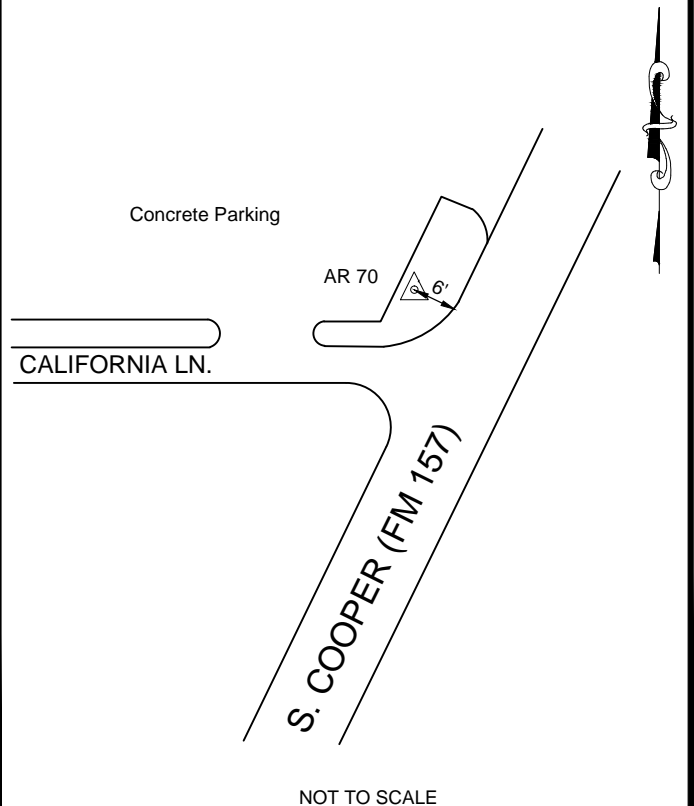
FACING SOUTH



FACING EAST

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 71 Az Mark	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City of Arlington Aluminum Marker in Concrete	
1. Parkchester Drive	East	240.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Fire Hydrant	West	15.0'	Combined Scale Factor: 0.99986621	
3. Curb	South	5.5'	Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
			State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 375917.86 2109740.55 615.76'



FACING NORTH



FACING WEST

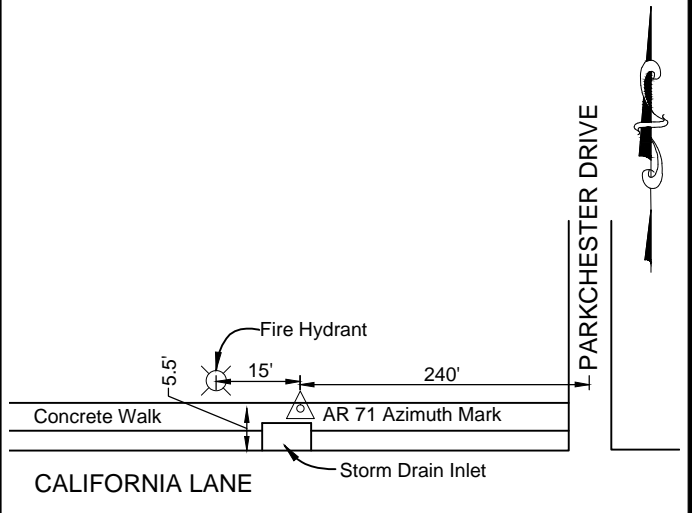
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6940150.53 E: 2385743.37	615.76'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 41' 58.52910" North	0.014'
	Longitude: 97° 08' 36.74430" West	0.004'
	Ellipsoid Height: 526.00'	0.012'

Aluminum Disk located on the concrete sidewalk running along the north side of California Lane, 240' west of Parkchester Drive. The monument is located 5.5' north of the curb and 15' east of a fire hydrant.

Mapsc0 96-A

FIELD SKETCH



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 71	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986560	
			Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 71 Az Mark	272° 35' 33"	1002.83'		

NAD27 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	375862.97 2110741.87	628.87'
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6940105.17 E: 2386745.17	628.87'
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
Latitude: 32° 41' 57.95212" North		0.005'
Longitude: 97° 08' 25.02780" West		0.009'
Ellipsoid Height: 539.13'		0.016'

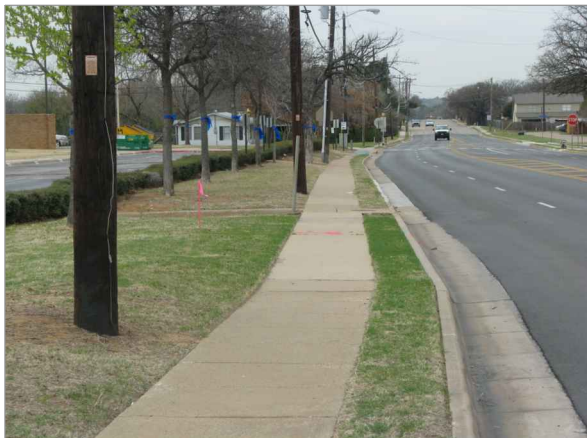


Aluminum cap on rod with access cover stamped "AR 71" located on the south side of California Lane at Beatrice Short Elementary School. The monument is located in the grass area between the south right-of-way line of California Lane and the concrete driveway on the north side of the school.

Mapsco 96-A



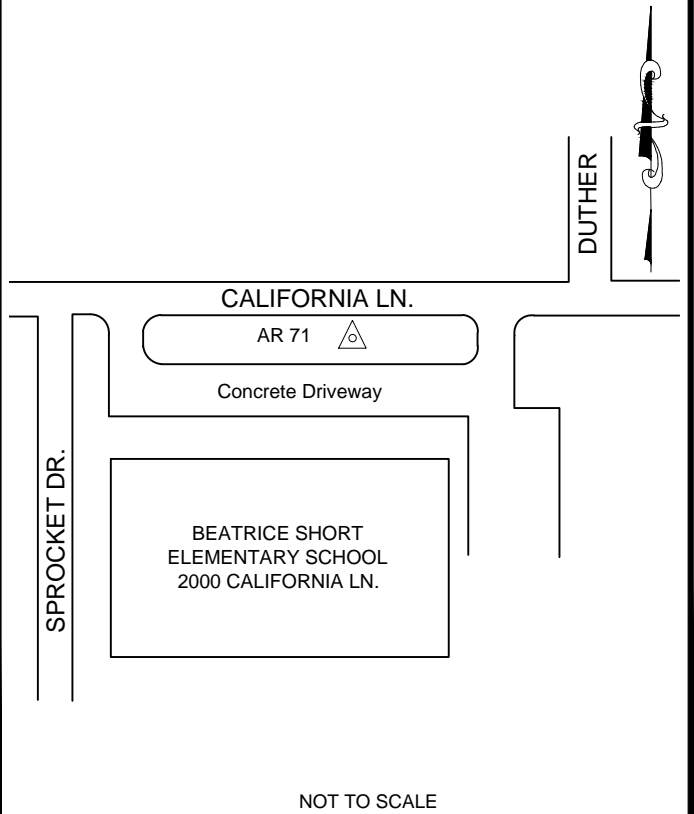
FACING SOUTH



FACING WEST

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.

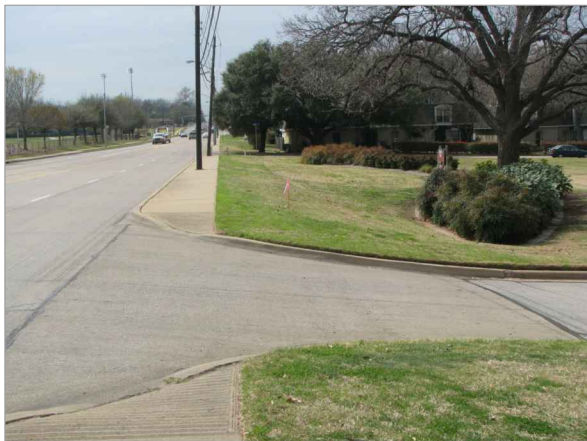


CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 72	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
1. South Fielder Road	East	11.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Park Entrance	North	23.0'	Combined Scale Factor: 0.99986276	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
D 183	175° 45' 40"	1415.14'	Elevation (Feet) NAVD88 Calculated using Geoid 09	
			State: TEXAS Zone: NORTH CENTRAL Code: 4202	385296.51 2113253.30 632.75'



FACING NORTH



FACING SOUTH

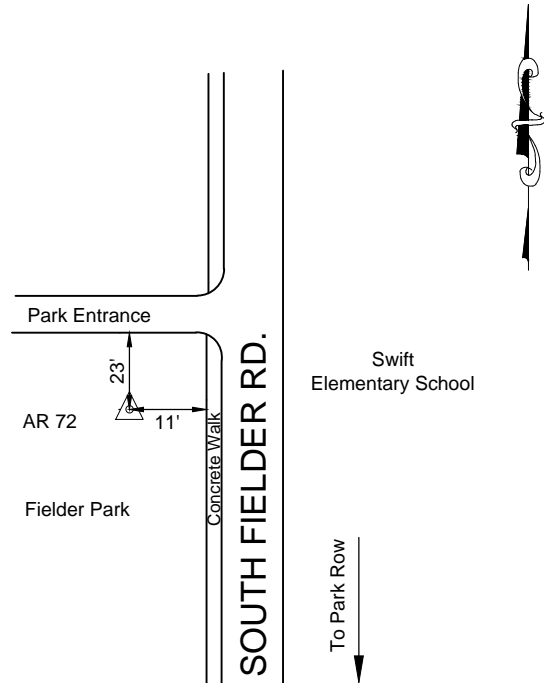
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6949562.23 E: 2389166.70	632.75'
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
Latitude: 32° 43' 31.21530" North		0.006'
Longitude: 97° 07' 55.24919" West		0.006'
Ellipsoid Height: 543.01'		0.017'

City of Arlington aluminum marker in concrete stamped "AR 72" located at Fielder Park. The monument is at the southwest corner of Fielder Road and the entrance to Fielder Park, 11' west of the west curb line of Fielder Road and 23' south of the south curb line of said entrance.

Mapsc0 82-P

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 73	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. SE IH 30 Bridge Corner	Northwest	534.55'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. NW Fence Corner	Southwest	54.81'	Combined Scale Factor: 0.99986297	
3. NE Fence Corner	Southeast	54.82'	Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 74	85° 19' 26"	4738.57'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	397708.98 2108615.98 Elevation (Feet) NAVD88 Calculated using Geoid 09: 561.69'



FACING NORTH



FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6961930.05 E: 2384411.43	561.69'

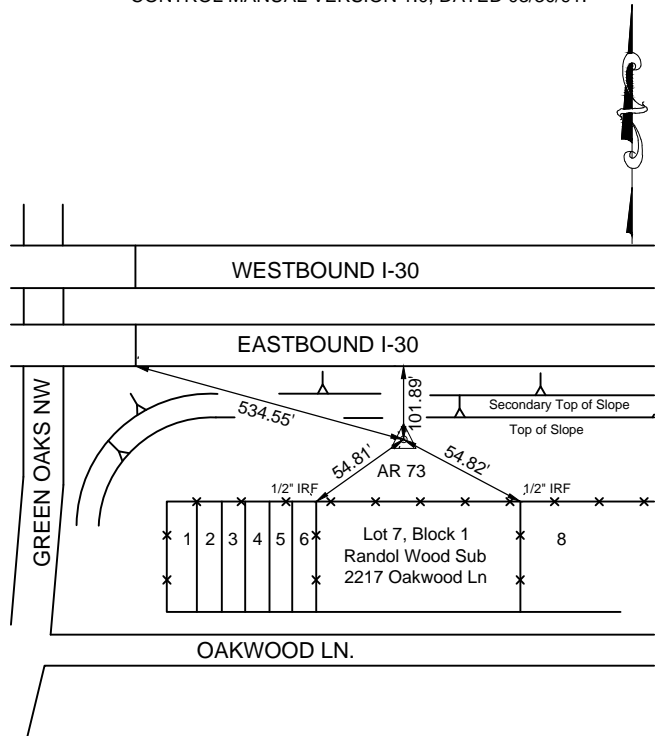
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 45' 34.19977" North Longitude: 97° 08' 49.04828" West Ellipsoid Height: 471.75'	0.009' 0.008' 0.018'

Aluminum cap on rod with access cover stamped "AR 73" located on the south side of Interstate 30, 600' +/- east of Green Oaks Boulevard NW. The monument is 101.89' south of the eastbound I-30 edge of pavement and 534.55' southeast of the southeast corner of the I-30 bridge over Green Oaks Boulevard NW and Village Creek. The monument is located at the top of the highest embankment on the south side of I-30.

Mapsco 68-W

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 74	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Median Nose	South	5.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986227	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 73	265° 19' 26"	4738.57'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 574.59'



NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6962316.36 E: 2389134.23	574.59'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 45' 37.41683" North	0.012'
	Longitude: 97° 07' 53.68447" West	0.009'
	Ellipsoid Height: 484.76'	0.012'

Aluminum cap on rod with access cover stamped "AR 74" located in the center of median of North Fielder Road, 5' north of the median nose on the north side of the westbound I-30 service road.

Mapsc0 68-X



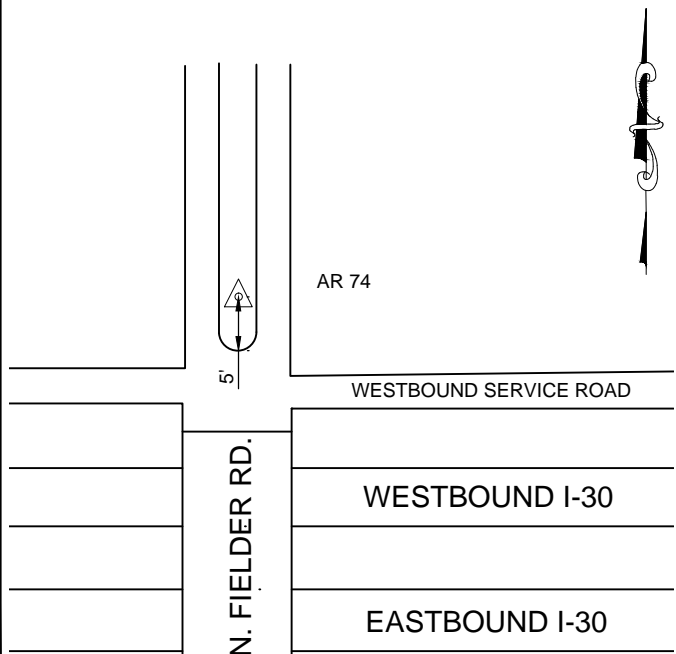
FACING NORTH



FACING SOUTH

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 75	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986135	
			Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 76	96° 37' 46"	2698.06'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 594.28'



FACING NORTH



FACING SOUTH

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	397971.82 2115995.28	594.28'
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6962263.12 E: 2391787.92	594.28'

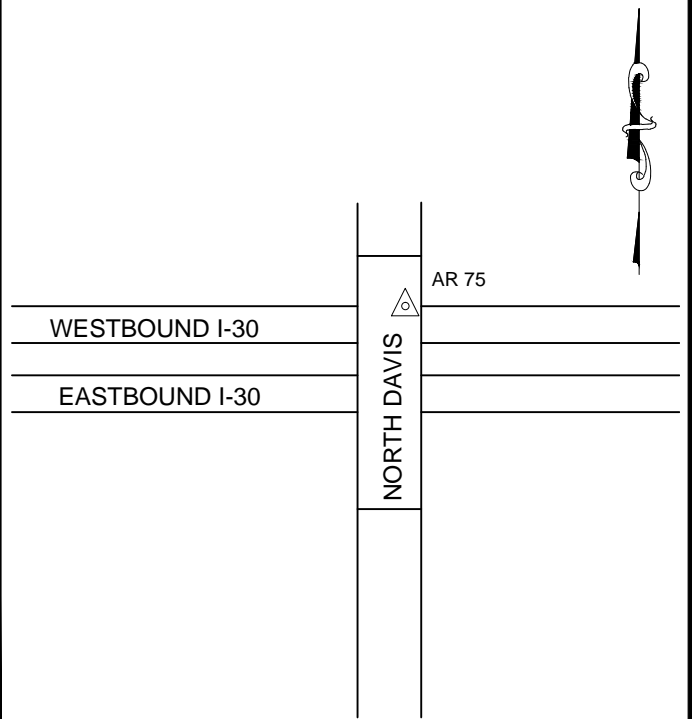
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 45' 36.54693" North	0.008'
	Longitude: 97° 07' 22.61718" West	0.013'
	Ellipsoid Height: 504.52'	0.025'

City of Arlington aluminum marker in concrete stamped "AR 75" located in the top of curb at the northeast corner of the North Davis bridge over Interstate 30.

Mapsco 68-Y

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 76	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Curb Mid Radius	Northwest	5.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Traffic Signal Box	South	2.0'	Combined Scale Factor: 0.99986037	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 75	276° 37' 46"	2698.06'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 397634.85 2118672.20 616.43'



FACING NORTH



FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6961951.64 E: 2394467.94	616.43'

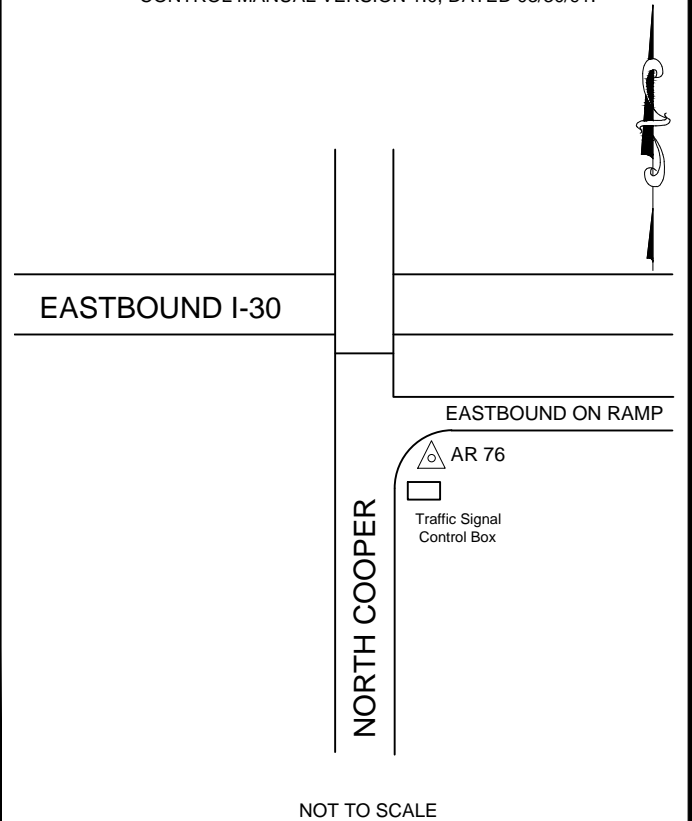
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 45' 33.11621" North	0.015'
	Longitude: 97° 06' 51.28161" West	0.004'
	Ellipsoid Height: 526.74'	0.014'

Aluminum cap on rod with access cover stamped "AR 76" located at the southeast corner of Cooper Street and Interstate 30. The monument is located 5' from the curb line at the approximate mid radius and 2' north of a stainless steel traffic signal box with a concrete base.

Mapsc0 68-Z

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 77	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986250	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
TX 02	89° 12' 03"	4456.92'		Elevation (Feet) NAVD88 Calculated using Geoid 09
			State: TEXAS	
			Zone: NORTH CENTRAL	397653.62
			Code: 4202	2130451.48
				571.70'

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS	N: 6962082.53	571.70'
Zone: NORTH CENTRAL	E: 2406246.55	
Code: 4202		

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
Latitude:	32° 45' 32.85270" North	0.007'
Longitude:	97° 04' 33.33240" West	0.008'
Ellipsoid Height:	482.28'	0.011'



City of Arlington aluminum marker in concrete stamped "AR 77" located in the center median of the Ballpark Way bridge over Interstate 30. The disk is set in a concrete median at the south abutment of the bridge over the main lanes of Interstate 30.

Mapsco 69-Z



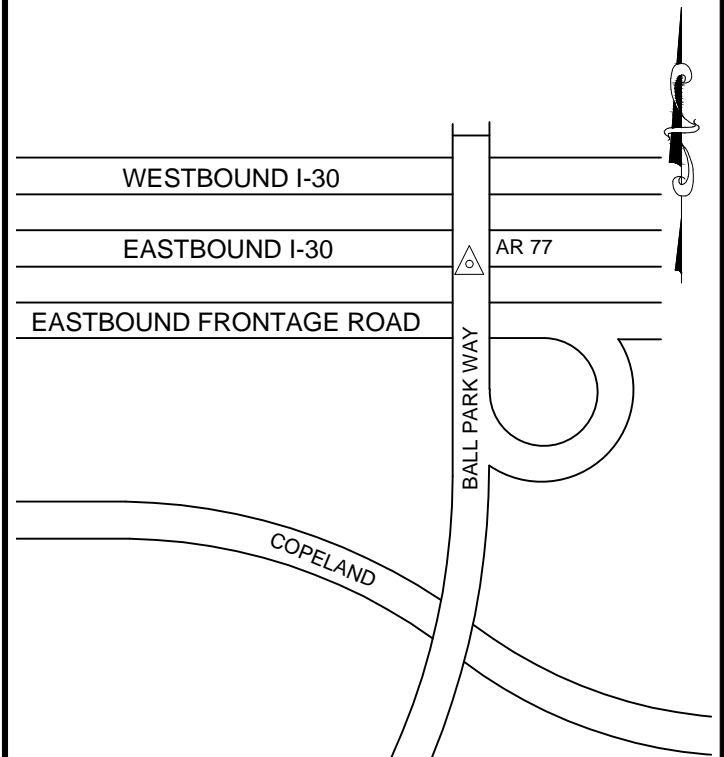
FACING SOUTH



FACING EAST

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 78	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Lamar Boulevard	South	800' +/-	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Light Pole	Southwest	38.5'	Combined Scale Factor: 0.99986175	Date: 2011/10/10
3. SB Fielder Rd.	West	3.3'		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 74	178° 52' 34"	2525.47'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 400575.65 2113316.72 572.87'



FACING NORTH



FACING SOUTH

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6964841.35 E: 2389084.69	572.87'

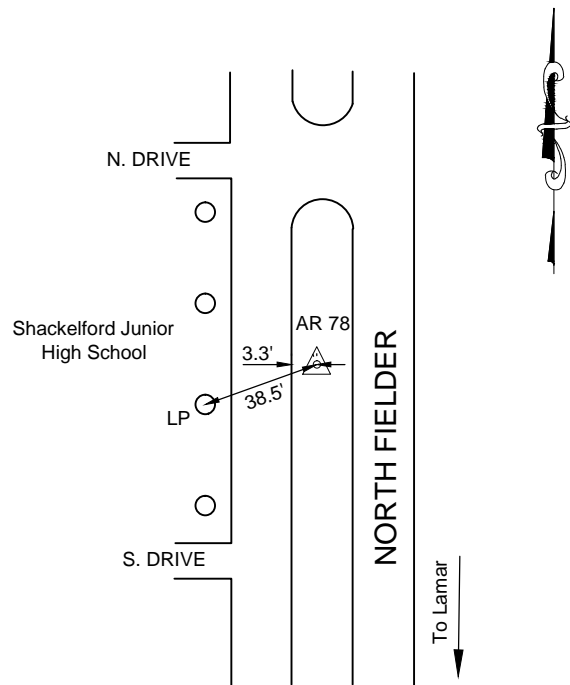
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 46' 02.40699" North	0.011'
	Longitude: 97° 07' 53.87945" West	0.005'
	Ellipsoid Height: 483.02'	0.022'

Aluminum cap on rod with access cover stamped "AR 78" located in the center median of North Fielder Road, 80' north of the centerline of Lamar Boulevard. The monument is 3.3' east of the east curb line of the southbound lanes of Fielder.

Mapsco 68-T

FIELD SKETCH

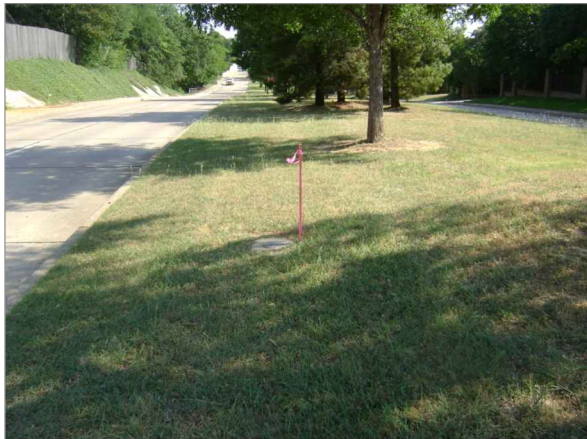
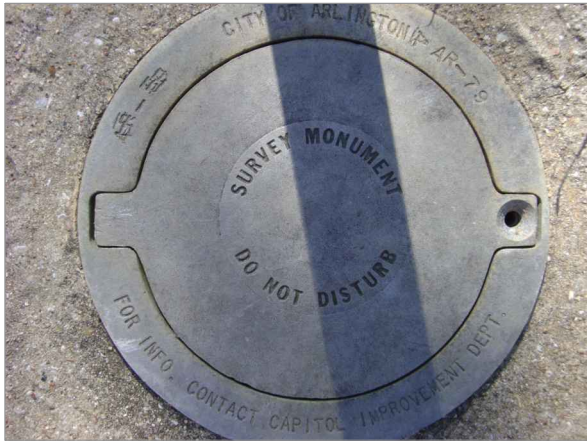
NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 79	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Russwood	South	250'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Light Pole	South	27.0'	Combined Scale Factor: 0.99986191	
3. Median Curb	West	6.0'	Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 78	179° 55' 11"	1708.13'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 402283.72 2113330.58 561.06'



FACING NORTH



FACING EAST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6966549.47 E: 2389082.29	561.06'

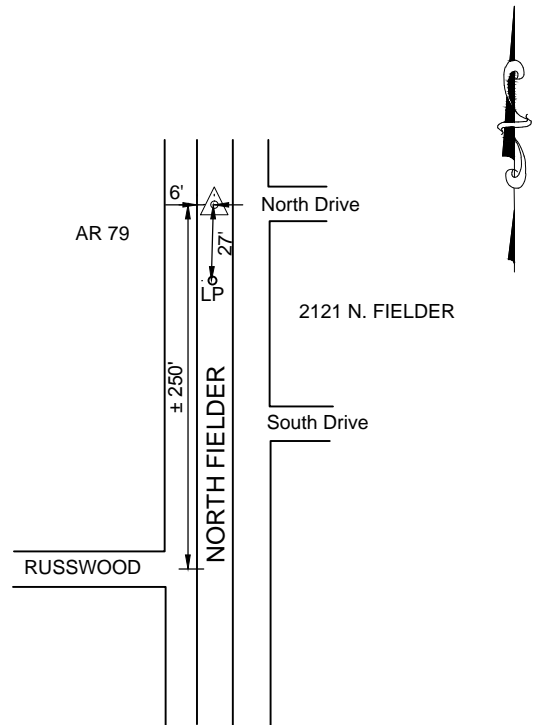
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 46' 19.30854" North	0.019'
	Longitude: 97° 07' 53.64693" West	0.013'
	Ellipsoid Height: 471.21'	0.017'

Aluminum cap on rod with access cover stamped "AR 79" located in the center median of North Fielder Road, adjacent to the north driveway of 2121 North Fielder Road and 27' north northwest of a street light pole. The monument is 16' northwest of an 8" Elm and 250' +/- north of Russwood.

Mapsc0 68-P,T

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 80	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Light Pole	North	105'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Light Pole	South	73.6'	Combined Scale Factor: 0.99986299	
3. SB Fielder Rd.	West	4.5'	Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 79	179° 46' 09"	1152.26'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	403435.96 2113336.91



FACING NORTH



FACING EAST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	403435.96 2113336.91	532.92'
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6967701.72 E: 2389077.65	532.92'

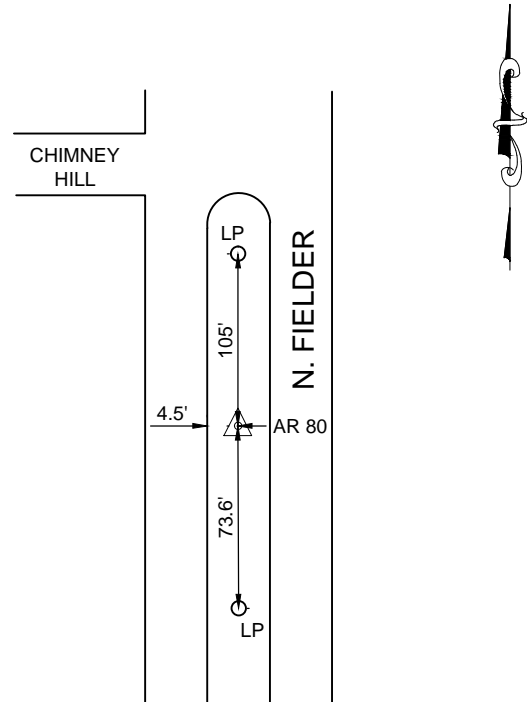
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 46' 30.71021" North Longitude: 97° 07' 53.52548" West Ellipsoid Height: 443.05'	0.017' 0.011' 0.033'

Aluminum cap in rod with access cover stamped "AR 80" located in the center median of North Fielder Road, 105' South of the first street light south of Chimney Hill. The monument is 4.5' east of the east curb line of the southbound lanes of Fielder Road.

Mapscop 68-T

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 81	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986840	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 65	274° 39' 08"	1183.13'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	361264.61 2113684.59
			Elevation (Feet) NAVD88 Calculated using Geoid 09	664.75'



FACING SOUTH



FACING EAST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6925535.44 E: 2389826.73	664.75'

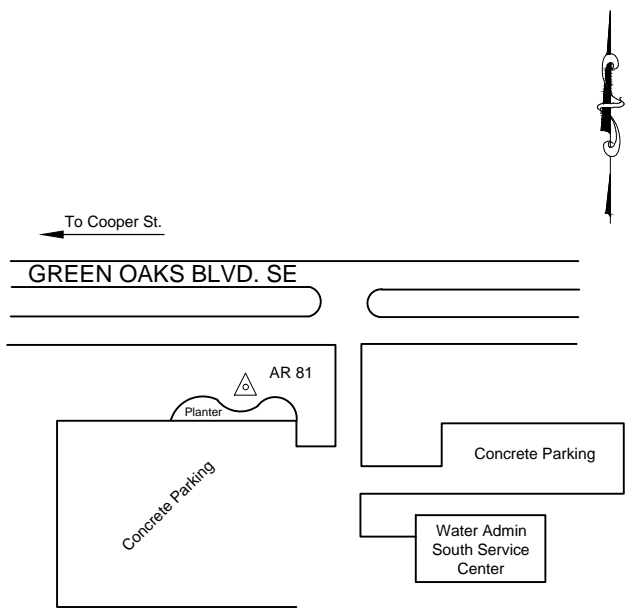
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 39' 33.39341" North	0.009'
	Longitude: 97° 07' 51.18872" West	0.003'
	Ellipsoid Height: 575.18'	0.011'

Aluminum cap on rod with access cover stamped "AR 81" located at the City of Arlington Water Department South Service Center. The monument is on the south side of Green Oaks SE, 1100' east of Cooper Street, west of the entrance to the South Service Center and north of the center of a curbed planter.

Mapsc0 96-X

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 82 Az Mark	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Marker In Concrete	
1. Light Pole	South	56.9'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. West edge of Median	West	4.5'	Combined Scale Factor: 0.99986470	
			Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
			State: TEXAS Zone: NORTH CENTRAL Code: 4202	385795.90 2098118.91
			NAD83 (2007) ADJUSTMENT Grid Data	Elevation (Feet) NAVD88 Calculated using Geoid 09
			State: TEXAS Zone: NORTH CENTRAL Code: 4202	500.47'



FACING SOUTH



FACING SOUTHWEST

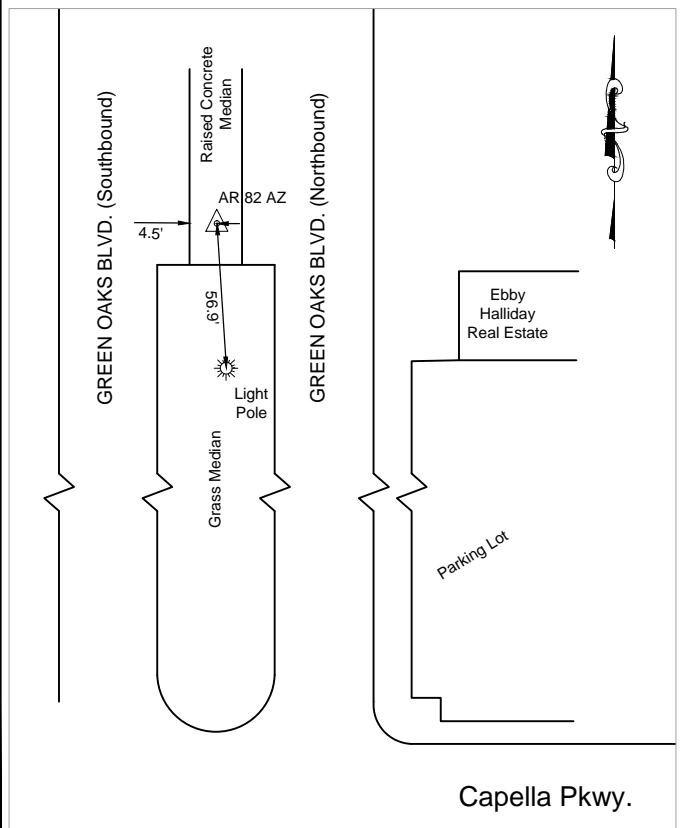
NAD27 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	385795.90 2098118.91	500.47'
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6949917.55 E: 2374028.20	500.47'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 43' 36.64660" North	0.010'
	Longitude: 97° 10' 52.40472" West	0.002'
	Ellipsoid Height: 410.35	0.024'

City of Arlington marker in concrete located in the raised concrete median in center of Green Oaks Blvd. Marker is just north of the north end of a grass median which extends northward from the intersection of Green Oaks Blvd. and Capella Parkway. The azimuth mark is located 56.9' north of the most northerly light pole in said grass median..

Mapsc0 81-N

FIELD SKETCH



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 82	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986725	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 82 Az Mark	182° 04' 01"	1158.31'	Elevation (Feet) NAVD88 Calculated using Geoid 09	
			State: TEXAS Zone: NORTH CENTRAL Code: 4202	386953.00 2098171.71 529.71'



NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6951075.10 E: 2374069.97	529.71'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 43' 48.09507" North	0.007'
	Longitude: 97° 10' 51.74555" West	0.007'
	Ellipsoid Height: 439.58'	0.026'

City of Arlington aluminum marker in concrete stamped "AR 82" set in the sidewalk at the abutment at the southeast corner of the Green Oaks bridge over Division Street (US 180).

Mapsc0 81-J



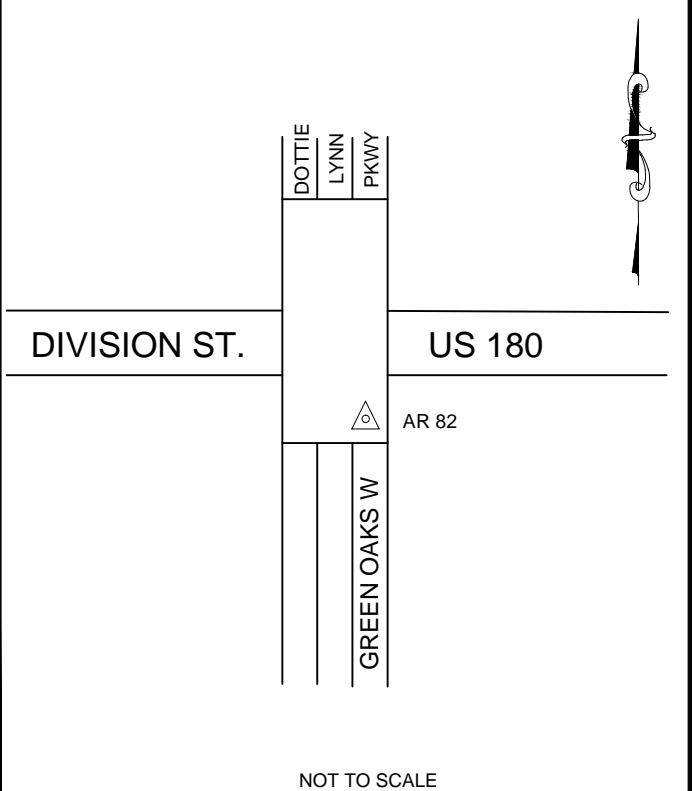
FACING NORTH



FACING EAST

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 83	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Fence Corner-3" post	East	25.4'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Power Pole	Southeast	85.1'	Combined Scale Factor: 0.99987180	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 84	179° 20' 02"	5895.37'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 363629.51 2130250.02 577.80'



NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6928057.92 E: 2406368.96	577.80'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 39' 56.17719" North	0.008'
	Longitude: 97° 04' 37.29612" West	0.010'
	Ellipsoid Height: 488.59'	0.016'

Aluminum cap on rod with access cover stamped "AR 83". To reach the monument from the intersection of New York Avenue and Highbank Drive, go north on New York Avenue for 0.14 mile to first entrance to #5001 New York Avenue. Go north on the asphalt drive to east-west power line. The monument is 85.1' northwest of a power pole and 25.4' west of a 3" wooden post at a fence corner.

Mapsc0 97-V

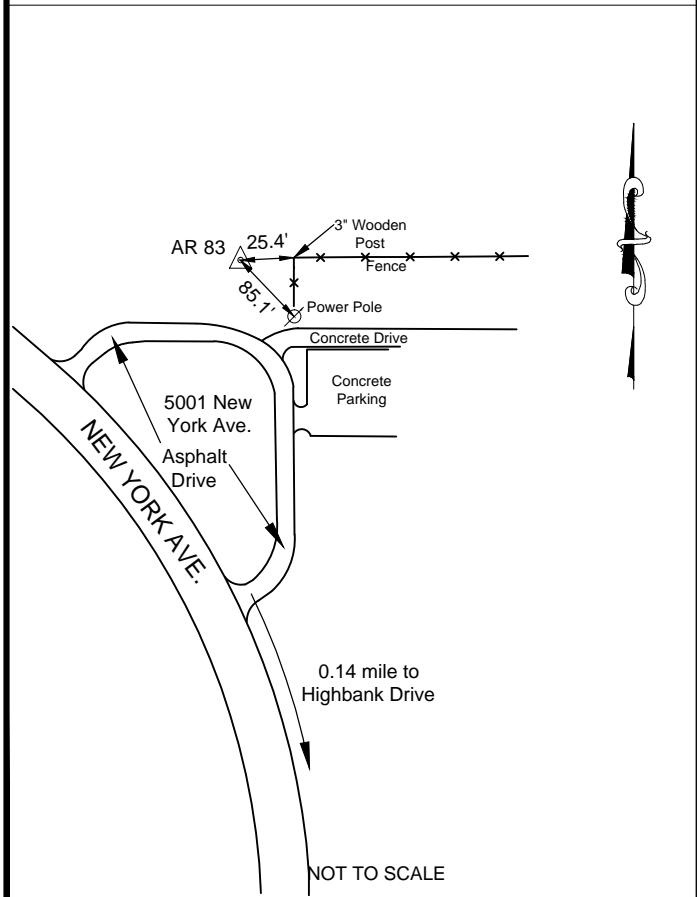


FACING SOUTH



FACING EAST

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 84	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Sublett Road	South	258'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. NB New York Avenue	East	2.5'	Combined Scale Factor: 0.99987303	Date: 2011/10/10
3. Edge of Concrete	South	2.0'		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 83	359° 20' 02"	5895.37'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 592.36'



FACING SOUTH



FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	357734.17 2130262.45	592.36'
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6922162.94 E: 2406437.50	592.36'

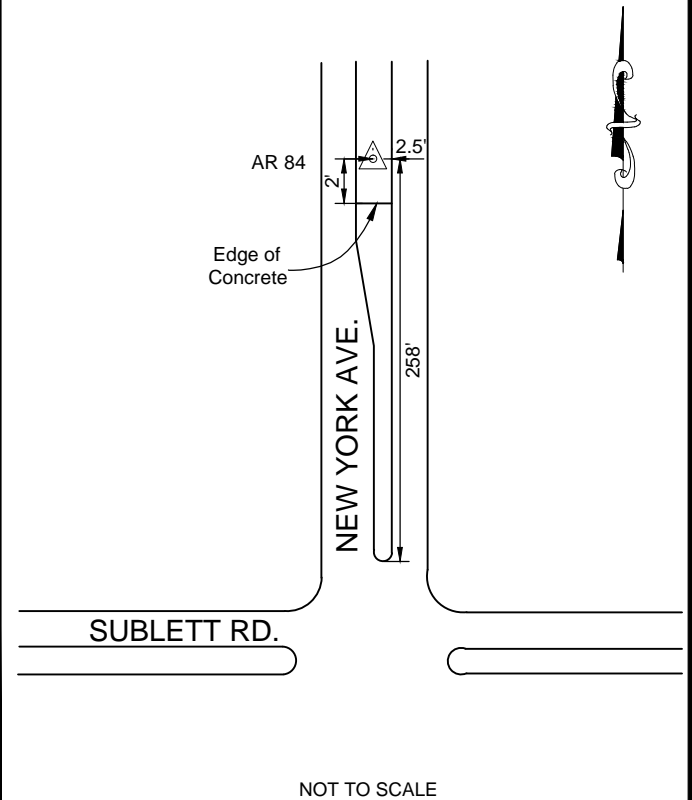
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 38' 57.83956" North	0.006'
	Longitude: 97° 04' 37.42842" West	0.004'
	Ellipsoid Height: 503.18'	0.016'

Aluminum cap on rod with access cover stamped "AR 84" located in the center median of New York Avenue. The monument is 258' north of the median nose at the intersection with Sublett Road. The monument is 2.5' west of the west curb line of the northbound lanes of New York Avenue.

Mapsc0 111-D

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.

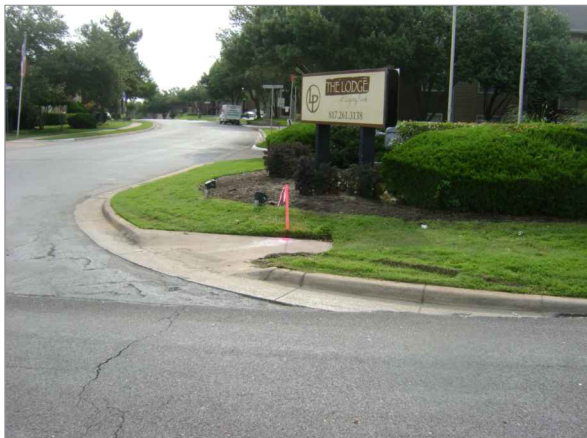


CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 86 Az Mark	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Marker In Concrete	
1. Furrs St.	North	25'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Sign	Southeast	10'	Combined Scale Factor: 0.99986218	Date: 2011/07/01
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
			State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 404225.50 2123954.68 546.08'



FACING NORTH



FACING EAST

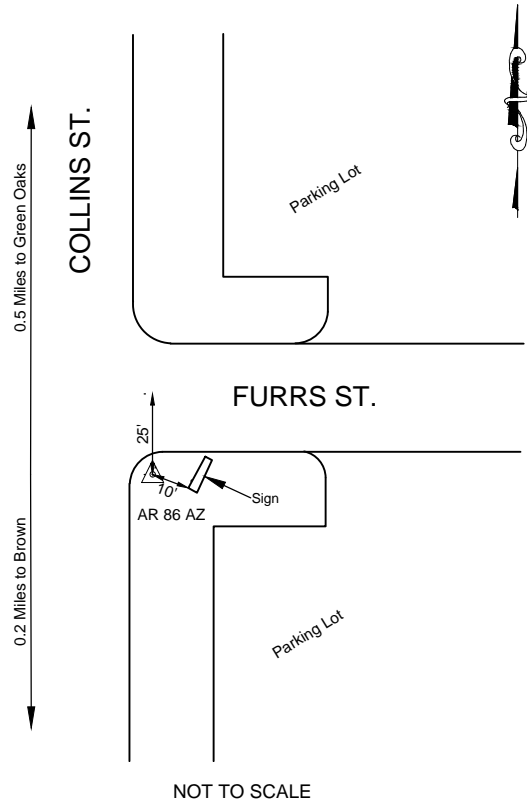
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6968592.30 E: 2399687.46	546.08'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 46' 38.13722" North	0.008'
	Longitude: 97° 05' 49.12180" West	0.001'
	Ellipsoid Height: 456.47	0.022'

City of Arlington marker in concrete located in the southeast quadrant of Collins St. and Furrs. The azimuth mark is located 25' south of the centerline of Furrs St. and 10' northwest of the southwest corner of a sign.

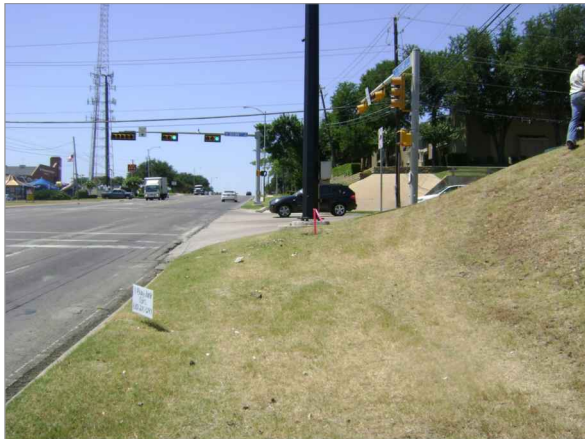
Mapsc0 69-P

FIELD SKETCH

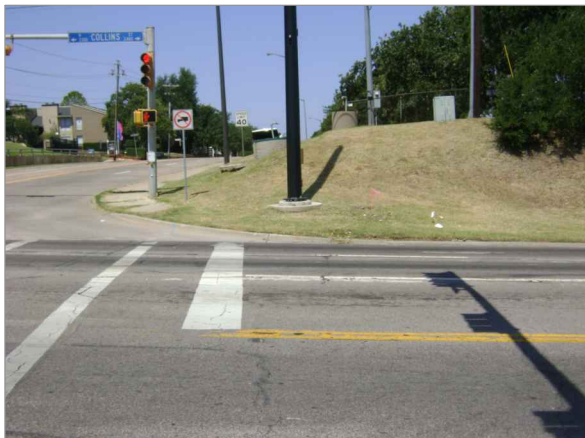


CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 86	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod	
1. North Collins	East	9.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Power Pole	Northwest	32.0'	Combined Scale Factor: 0.99986081	Date: 2011/10/10
3. Traffic Signal	South	4.0'		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 86 Az Mark	6° 41' 05"	658.49'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 403572.24 2123871.80 577.75'



FACING SOUTH



FACING WEST

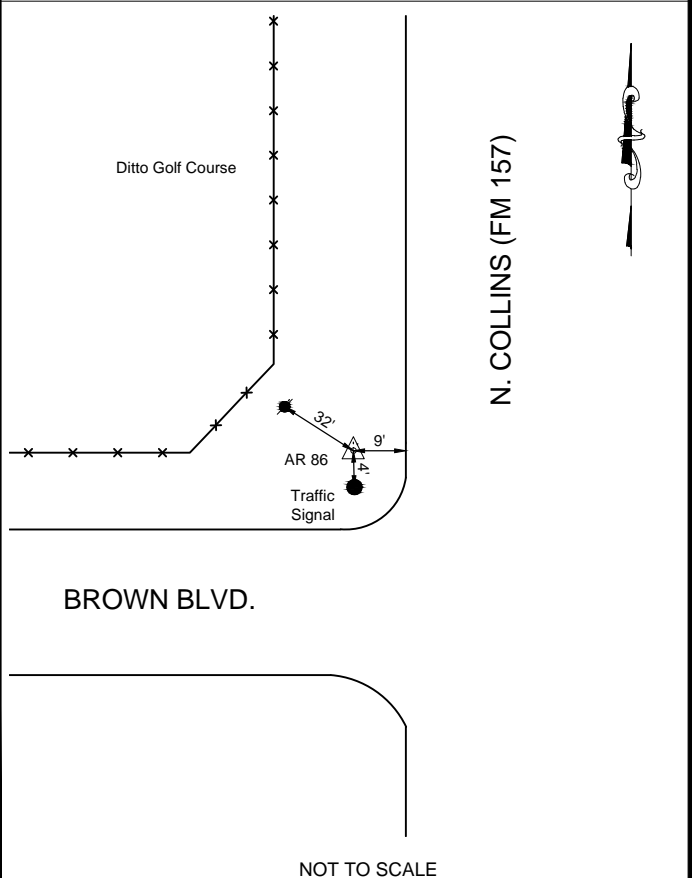
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6967938.28 E: 2399610.81	577.75'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 46' 31.67614" North	0.008'
	Longitude: 97° 05' 50.12188" West	0.005'
	Ellipsoid Height: 488.14'	0.026'

Aluminum cap on rod located in the northwest quadrant of N. Collins and Brown Blvd. The monument is 9' west of the west curb line of N. Collins, 32' southeast of a power pole, and 4' north of a traffic signal.

Mapsc0 69-P

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 87 Az Mark	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
1. Meandering Way	West	35'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Traffic Signal	Southwest	15'	Combined Scale Factor: 0.99986012	
3. NW Corner of Drive Way	Southwest	13.5'	Date: 2011/07/01	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
			State: TEXAS Zone: NORTH CENTRAL Code: 4202	403178.19 2126486.58 Elevation (Feet) NAVD88 Calculated using Geoid 09 594.12'



FACING SOUTH



FACING WEST

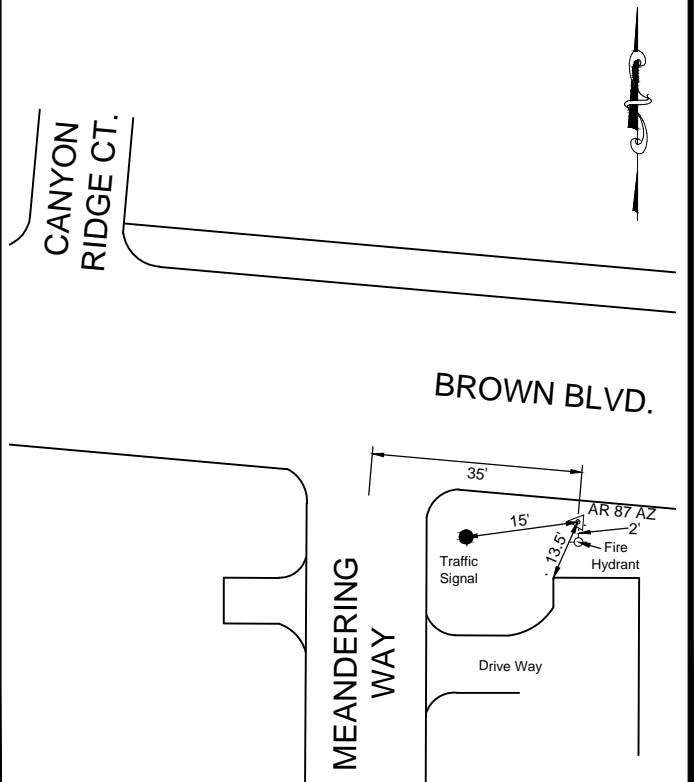
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6967569.13 E: 2402229.22	594.12'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 46' 27.67658" North	0.003'
	Longitude: 97° 05' 19.51246" West	0.007'
	Ellipsoid Height: 504.58'	0.022'

City of Arlington aluminum marker in concrete located in the southeast quadrant of Brown Boulevard and Meandering Way. The azimuth mark is 35' east of the centerline of Meandering Way, 15' northeast of a traffic signal, 13.5' northeast of the northwest corner of a drive way, and 2' north of a fire hydrant.

Mapsc0 69-Q

FIELD SKETCH



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 87	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Canyon Ridge Court	West	23.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Brown Boulevard	South	39.5'	Combined Scale Factor: 0.99985975	
3. Power Pole	South	6.0'	Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 87 Az Mark	120° 14' 49"	160.70'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	403260.46 2126348.53
			NAD83 (2007) ADJUSTMENT Grid Data	Elevation (Feet) NAVD88 Calculated using Geoid 09
			State: TEXAS Zone: NORTH CENTRAL Code: 4202	601.43'
			State: TEXAS Zone: NORTH CENTRAL Code: 4202	601.43'



FACING NORTH



FACING WEST

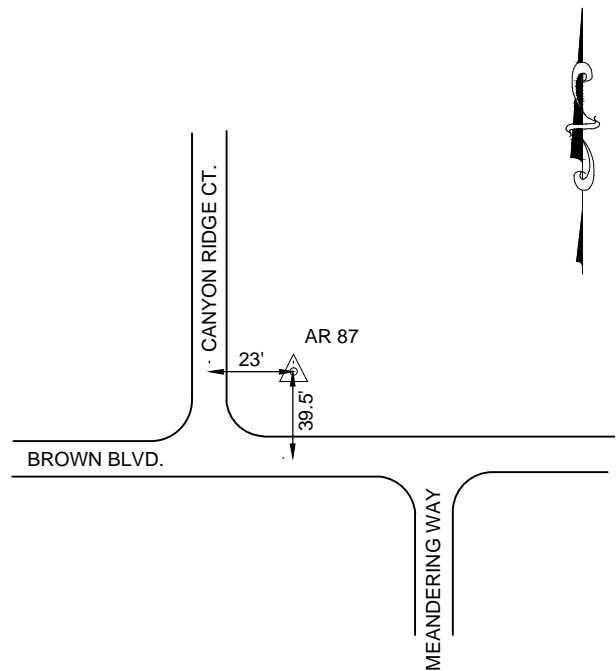
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 46' 28.49600" North Longitude: 97° 05' 21.12565" West Ellipsoid Height: 511.88'	

Aluminum cap on rod with access cover stamped "AR 87" located at the northeast corner of Brown Boulevard and Canyon Ridge Court. The monument is 23' east of the centerline of Canyon Ridge Court, 39.5' north of the centerline of Brown Boulevard and 6' north of a power pole.

Mapsco 69-Q

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 89	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
1. Beady Road	North	150'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986258	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 90	178° 12' 04"	2832.09'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	404079.27 2118613.86
				Elevation (Feet) NAVD88 Calculated using Geoid 09
				538.35'



FACING NORTH



FACING SOUTH

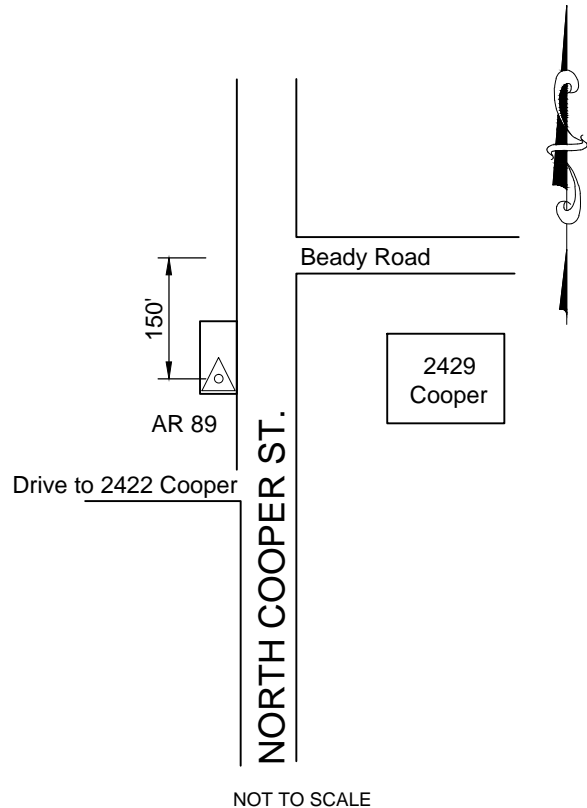
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	404079.27 2118613.86	538.35'
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6968395.24 E: 2394348.25	538.35'
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 46' 36.88860" North Longitude: 97° 06' 51.68779" West Ellipsoid Height: 448.61'	0.013' 0.006' 0.007'

City of Arlington aluminum marker in concrete in the southwest corner of a 10' recessed curb inlet on the west side of North Cooper Street, 150' south of the centerline of Beady Road.

Mapsco 68-R

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 90	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Marker In Concrete	
1. Rocky Canyon Court	North	40.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986278	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 89	358° 12' 04"	2832.09'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 401247.86 2118675.82 547.93'



FACING NORTH



FACING SOUTH

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6965564.54 E: 2394437.16	547.93'

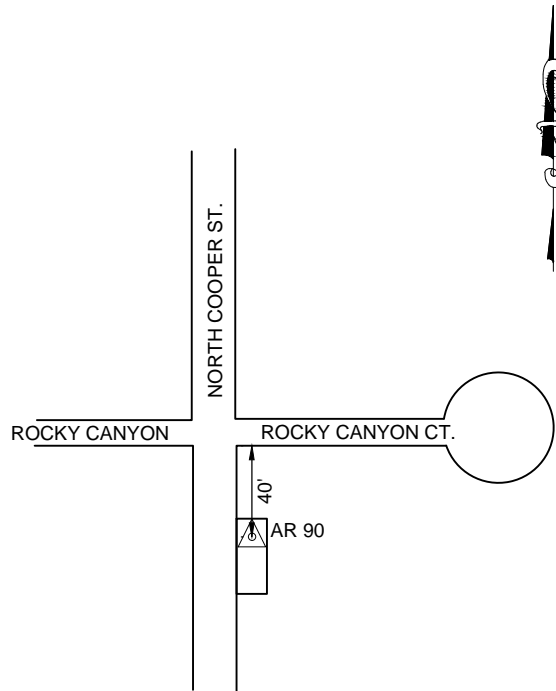
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 46' 08.86841" North	0.009'
	Longitude: 97° 06' 51.08383" West	0.005'
	Ellipsoid Height: 458.21'	0.004'

Aluminum marker in concrete set in the northeast corner of a 10' inlet on the east side of North Cooper Street, 40' south of the centerline of Rocky Canyon Court.

Mapsc0 68-V

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 91	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap on rod w/access cover	
1. Median Nose	South	6.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. SB Collins Road	West	3.0'	Combined Scale Factor: 0.99987328	
			Date: 2011/07/01	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 92	93° 29' 47"	1121.50'		
			State: TEXAS Zone: NORTH CENTRAL Code: 4202	354801.61 2126858.25
				Elevation (Feet) NAVD88 Calculated using Geoid 09 607.73'



NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6919198.10 E: 2403061.36	607.73'

Geodetic Data	Position:	Standard Deviation
	NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	
	Latitude: 32° 38' 28.95427" North	0.008'
	Longitude: 97° 05' 17.38052" West	0.007'
	Ellipsoid Height: 518.50'	0.009'

Aluminum Cap on rod w/access cover stamped "AR 91" located approximately 6' north of the north median nose of the intersection of Collins Road and Southeast Parkway.

Mapsc0 111-G



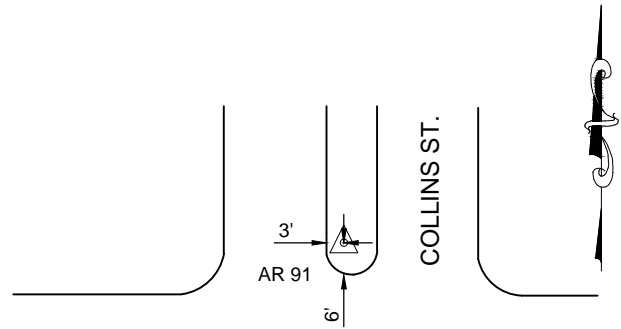
FACING NORTH



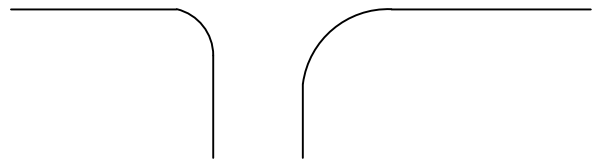
FACING EAST

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



SOUTHEAST PKWY.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 92	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Marker In Concrete	
1. Terrace Glen Dr.	West	100'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99987368	Date: 2011/07/01
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 91	273° 29' 47"	1121.50'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 354722.56 2127976.95 600.09'



NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6919129.70 E: 2404180.77	600.09'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 38' 28.12848" North	0.011'
	Longitude: 97° 05' 04.30029" West	0.012'
	Ellipsoid Height: 510.88'	0.009'

City of Arlington marker in concrete located in an inlet in the southeast quadrant of Southeast Pkwy. and Terrace Glen Dr. The monument is 100' east of the centerline of Terrace Glen Dr.

Mapsco 111-G

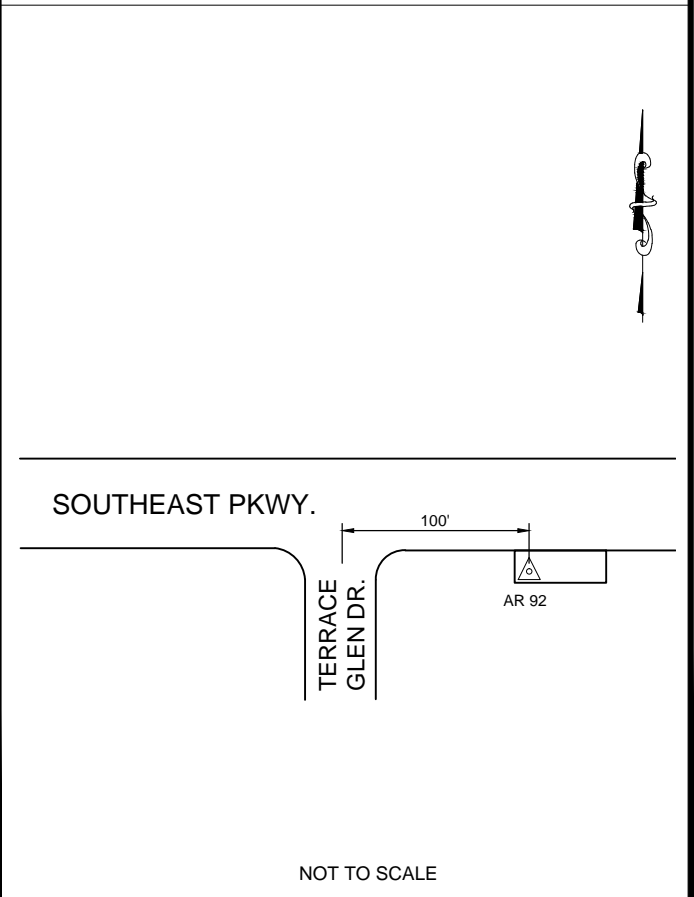
FIELD SKETCH



FACING SOUTH



FACING WEST

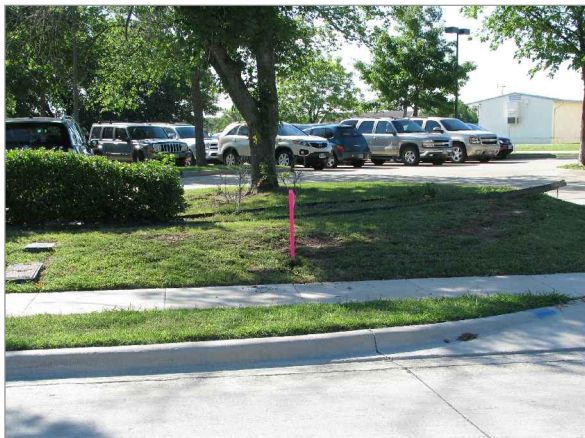


CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 93	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Water Meter	Northeast	6.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Sidewalk	Northwest	1.6'	Combined Scale Factor: 0.99986713	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 94	32° 55' 03"	3463.10'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 626.76'



FACING SOUTH



FACING EAST

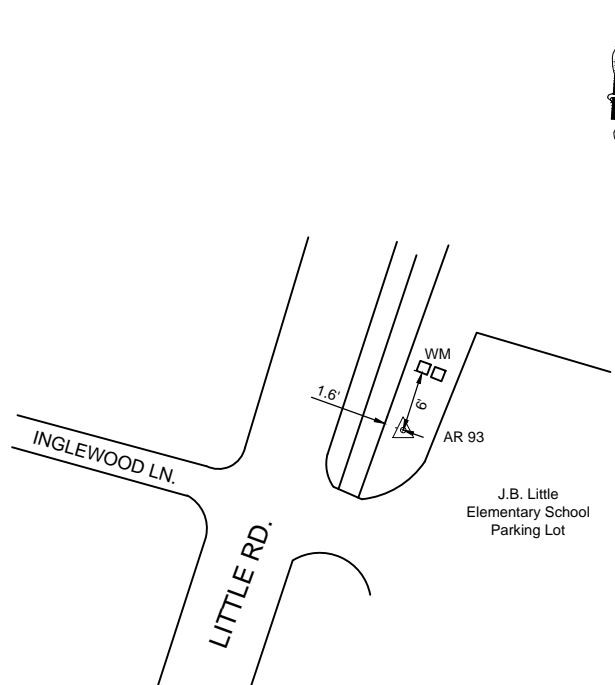
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6935187.51 E: 2371742.90	626.76'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 41' 11.18009" North	0.013'
	Longitude: 97° 11' 21.30780" West	0.004'
	Ellipsoid Height: 536.69'	0.011'

Aluminum cap on rod with access cover located in the northeast quadrant of Little Road and Inglewood. The monument is 6.0' southwest of a double water meter and 1.6' southeast of the southeast edge of a sidewalk.

Mapsc0 94-H

FIELD SKETCH



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 94	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
1. Livingston Dr. SW Curb	Northeast	130'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986757	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 93	212° 55' 03"	3463.10'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 599.35'



FACING NORTH



FACING WEST

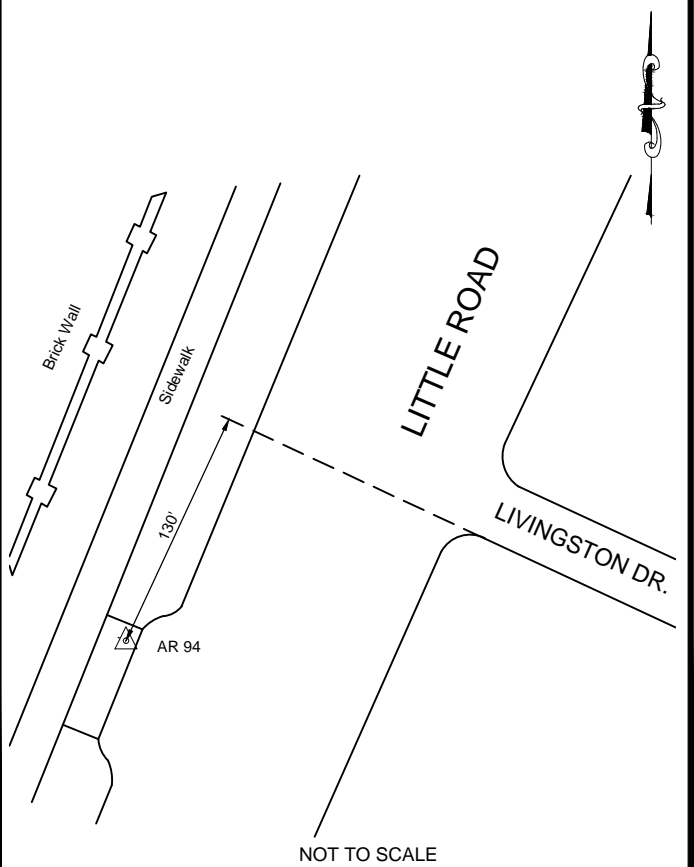
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6938094.62 E: 2373624.85	599.35'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 41' 39.71213" North	0.012'
	Longitude: 97° 10' 58.86134" West	0.003'
	Ellipsoid Height: 509.30'	0.013'

City of Arlington aluminum marker in concrete located in an inlet in the southwest quadrant of Little Rd. and Livingston Dr. The monument is 130' southwest of the extended southwest curb line of Livingston Dr.

Mapsco 95-E

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 95	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Chapman Cut Off	South	24'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Corner of Parking Lot	East	51.4'	Combined Scale Factor: 0.99986348	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 96	355° 52' 16"	1515.37'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 393797.04 2128943.77 571.20'



FACING SOUTH



FACING EAST

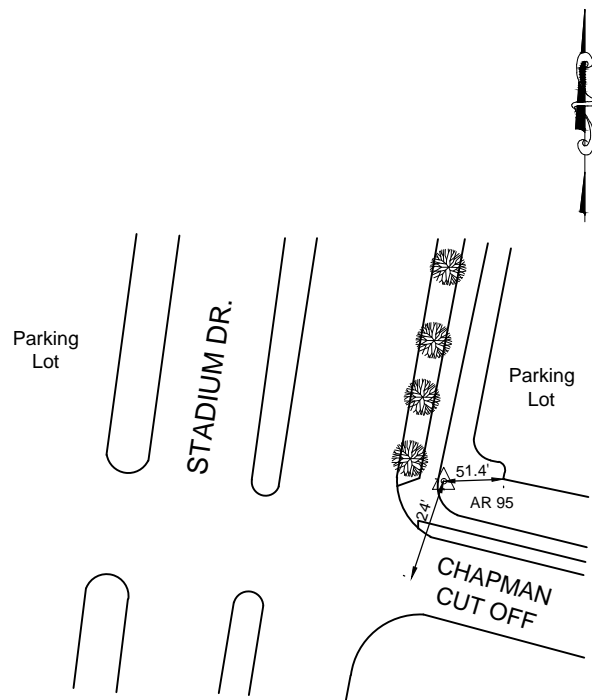
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6958211.76 E: 2404775.62	571.20'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 44' 54.75006" North	0.008'
	Longitude: 97° 04' 51.16949" West	0.022'
	Ellipsoid Height: 481.78'	0.031'

Aluminum cap on rod with access cover located in the northeast quadrant of Stadium Drive and Chapman Cut Off. The monument is 24' north of the center line of Chapman Cut Off and 51.4' of the southwest corner of the parking lot.

Mapsco 83-D

FIELD SKETCH



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 96	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986400	Date: 2011/07/01
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 95	175° 52' 16"	1515.37'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 395309.44 2128849.06 552.35'



FACING SOUTH



FACING WEST

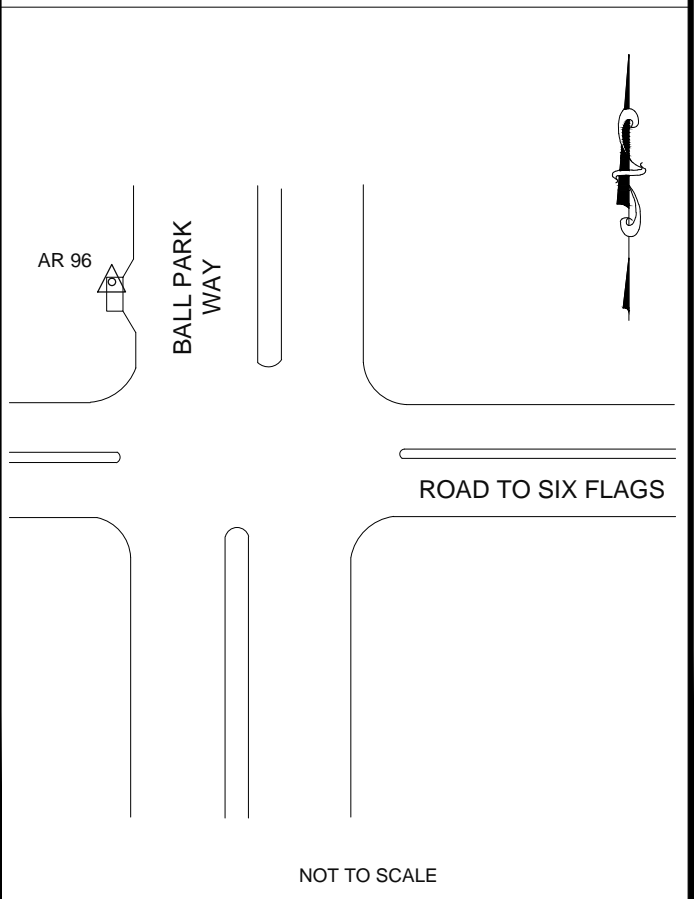
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6959723.19 E: 2404666.51	552.35'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 45' 09.71963" North	0.006'
	Longitude: 97° 04' 52.20797" West	0.005'
	Ellipsoid Height: 462.92'	0.004'

City of Arlington aluminum marker in concrete located in the northwest corner of an inlet in the northwest corner of Ball Park Way and Road to Six Flags.

Mapsc0 83-D

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 97	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Light Pole	Northwest	4.5'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. One Way Sign	Northeast	3.3'	Combined Scale Factor: 0.99986325	
3. Utility Vault	Southeast	4.2'	Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 98	91° 09' 04"	1708.47'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 393977.60 2136965.09 575.02'



NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6958468.67 E: 2412794.88	575.02'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 44' 56.21030" North	0.005'
	Longitude: 97° 03' 17.23348" West	0.005'
	Ellipsoid Height: 485.78'	0.007'

Aluminum cap on rod with access cover located in the northwest quadrant of Randol Mill Road and 109th Street. The monument is 4.5' southeast of a light pole, 3.3' southwest of a one way sign, and 4.2' northwest of a utility vault.

Mapsc0 84-C

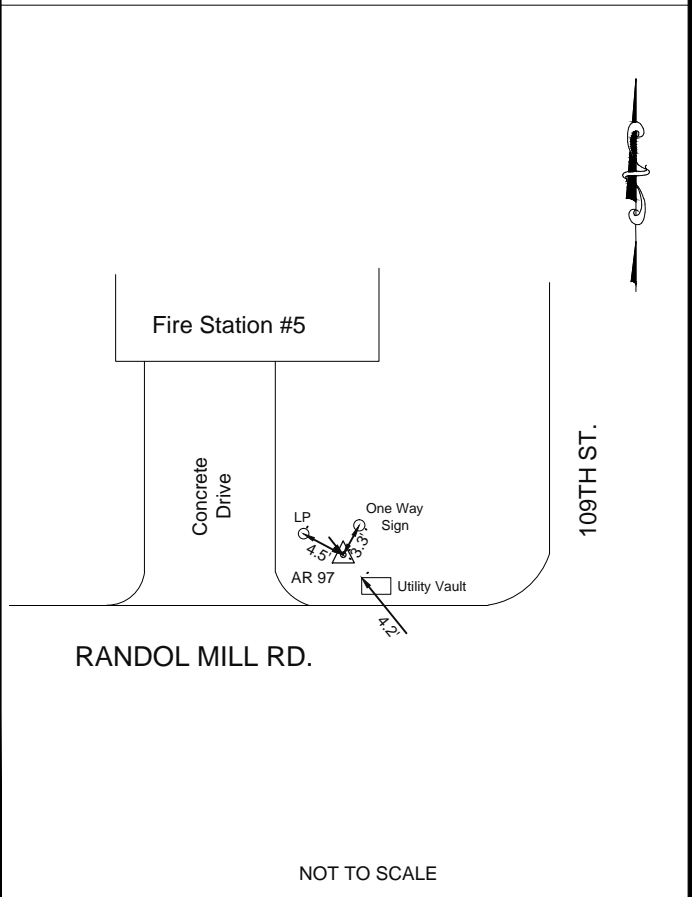


FACING NORTH



FACING EAST

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 98	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. North Curb of Median	North	6.9'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. East Edge of Concrete	West	6.7'	Combined Scale Factor: 0.99986423	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 97	271° 09' 04"	1708.47'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 393927.02 2138672.81 554.85'



NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6958434.35 E: 2414503.01	554.85'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 44' 55.63774" North	0.010'
	Longitude: 97° 02' 57.23909" West	0.008'
	Ellipsoid Height: 465.66'	0.027'

Aluminum cap on rod with access cover located in the center median of Randol Mill Road, east of 111th Street. The monument is 6.9' south of the north curb line of the median and 6.7' east of the east edge of concrete at the nose of the median.

Mapsco 84-C

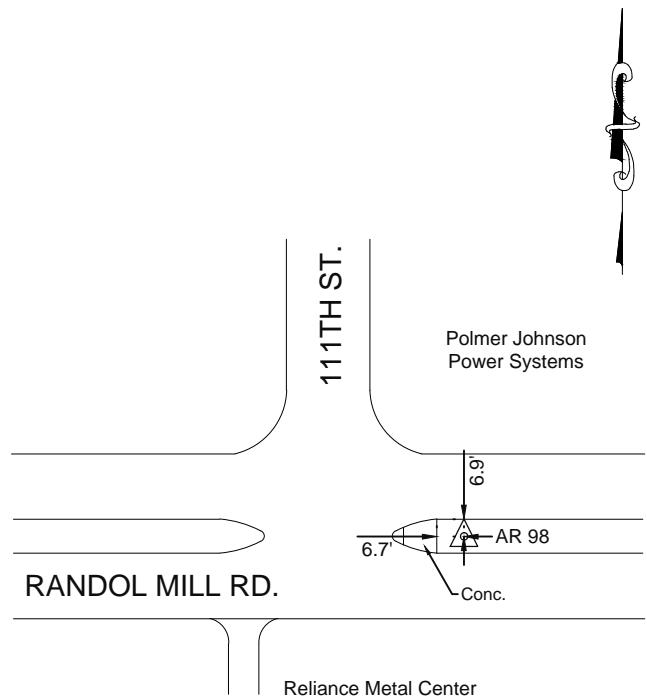


FACING NORTH



FACING NORTHWEST

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 99	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
1. W. Pleasant Ridge Rd.	North	4.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Old Pleasant Ridge Rd.	West	52.0'	Combined Scale Factor: 0.99987005	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 100	271° 34' 10"	2025.22'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 369594.66 2099956.61 575.16'



FACING SOUTH



FACING WEST

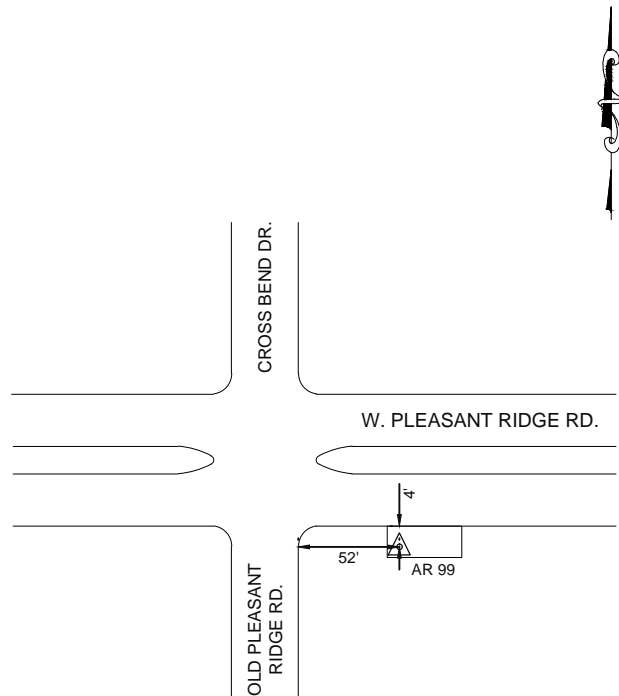
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6933734.47 E: 2376020.03	575.16'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 40' 56.27184" North	0.007'
	Longitude: 97° 10' 31.47714" West	0.008'
	Ellipsoid Height: 485.21'	0.013'

City of Arlington aluminum marker in concrete located on an inlet in the southeast quadrant of West Pleasant Ridge Road and Old Pleasant Ridge Road. The monument is 4' south of the south curb line of West Pleasant Ridge Road and 52' east of the east curb line of Old Pleasant Ridge Road.

Mapsc0 95-J

FIELD SKETCH



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 100	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. W. Pleasant Ridge Rd.	South	10'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Traffic Signal Pole	West	69'	Combined Scale Factor: 0.99986932	Date: 2011/10/10
3. Traffic Signal Pole	Southwest	10'		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 99	91° 34' 10"	2025.22'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 369669.40 2097932.77 589.94'



FACING SOUTH



FACING WEST

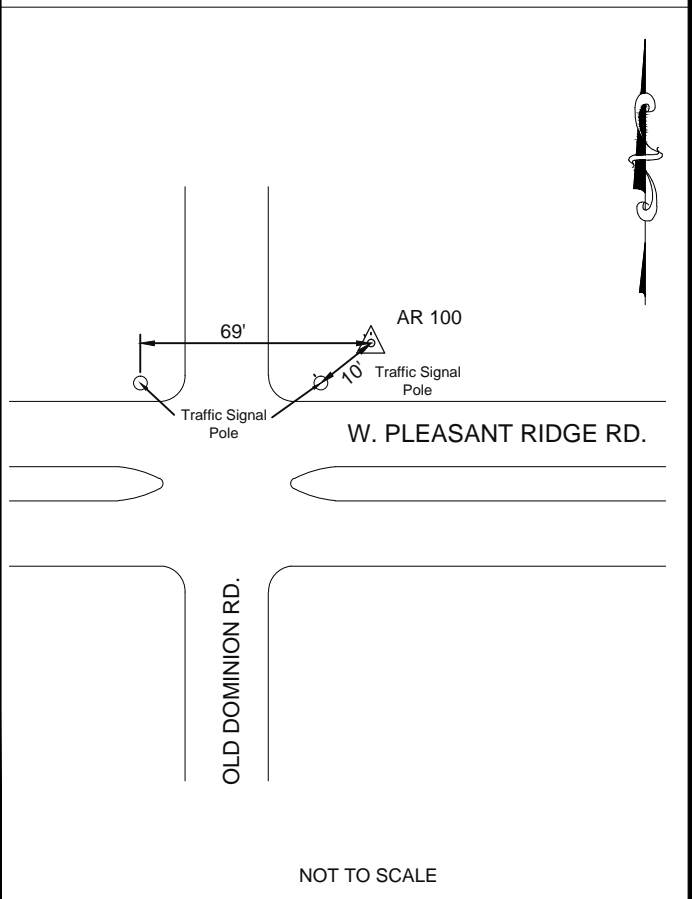
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6933789.94 E: 2373995.57	589.94'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 40' 57.07263" North	0.007'
	Longitude: 97° 10' 55.15538" West	0.014'
	Ellipsoid Height: 499.94'	0.011'

Aluminum cap on rod with access cover located in the northeast quadrant of West Pleasant Ridge Road and Old Dominion Drive. The monument is 10' north of the north curb line of West Pleasant Ridge Road, 10' northeast of a traffic signal pole in the northeast quadrant of the intersection of West Pleasant Road and Old Dominion Drive, and 69' east of a traffic signal pole in the northwest quadrant of said intersection.

Mapsc0 95-J

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 101	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City of Arlington Aluminum Marker In Concrete	
1. Stop Sign	Southwest	152.5'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986397	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 102	88° 30' 23"	3575.15'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	378384.00 2121698.55
			Elevation (Feet) NAVD88 Calculated using Geoid 09	647.74'



FACING SOUTH



FACING EAST

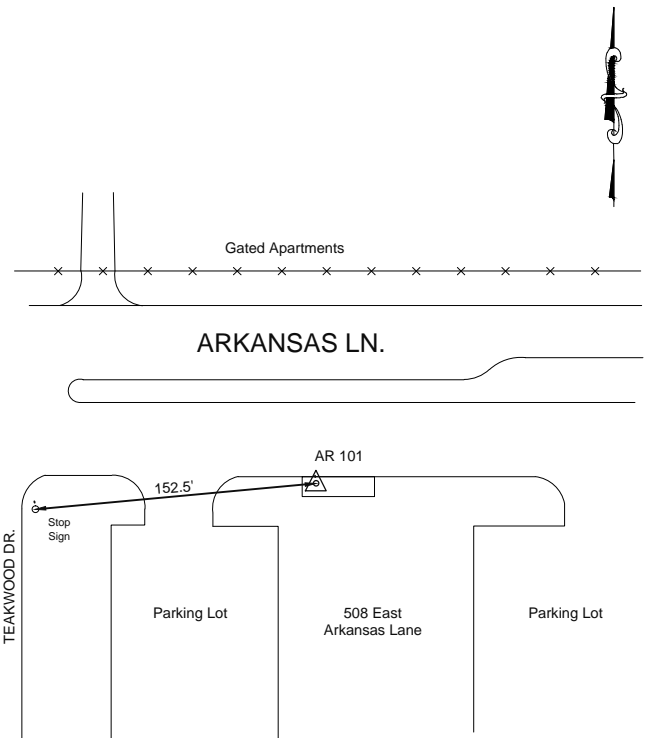
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6942730.39 E: 2397677.41	647.74'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 42' 22.50921" North	0.004'
	Longitude: 97° 06' 16.68814" West	0.011'
	Ellipsoid Height: 558.25'	0.000'

City of Arlington aluminum marker in concrete located in the southwest corner of an inlet in the southeast quadrant of Arkansas Lane and Teakwood Drive. The monument is 152.5' northeast of a stop sign at the southeast corner of said intersection.

Mapsco 83-W

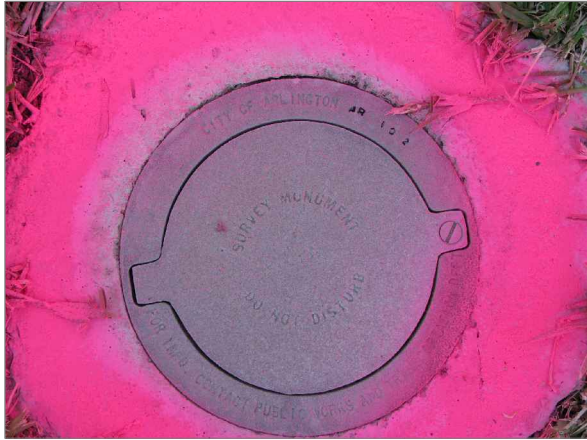
FIELD SKETCH



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 102	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. North Sidewalk Edge	South	2.5'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Water Tower Entrance	East	37.1	Combined Scale Factor: 0.99986352	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 101	268° 30' 23"	3575.15'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 656.80'



FACING NORTH



FACING EAST

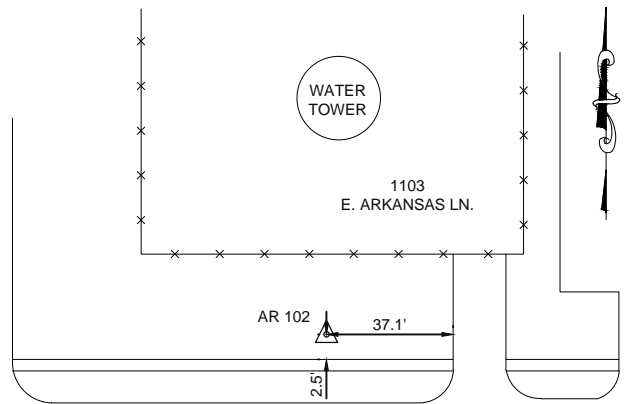
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	378443.15 2125273.20	656.80'
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6942823.57 E: 2401251.35	656.80'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 42' 22.95951" North	0.013'
	Longitude: 97° 05' 34.84731" West	0.013'
	Ellipsoid Height: 567.40'	0.014'

Aluminum cap on rod with access cover located 37.1' west of the west curb line of the water tower entry drive at 1103 E. Arkansas Lane and 2.5' north of the north edge of a concrete sidewalk.

Mapsc0 83-X

FIELD SKETCH



ARKANSAS DR.

LEXINGTON DR.

NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 103	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Shadow Ridge	Southwest	348'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Knotted Oaks Trail	Northeast	331'	Combined Scale Factor: 0.99986166	
			Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 104	220° 57' 52"	1860.70'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 406425.05 2132677.06 546.53'



NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6970874.78 E: 2408388.54	546.53'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 46' 59.55985" North	0.018'
	Longitude: 97° 04' 06.84658" West	0.012'
	Ellipsoid Height: 457.12'	0.029'

Aluminum cap on rod with access cover located on the north side of Green Oaks Boulevard 331' southeast of the centerline of Knotted Oaks Trail and 348' Northeast of the centerline of W. Shadow Dr.

Mapsco 70-J

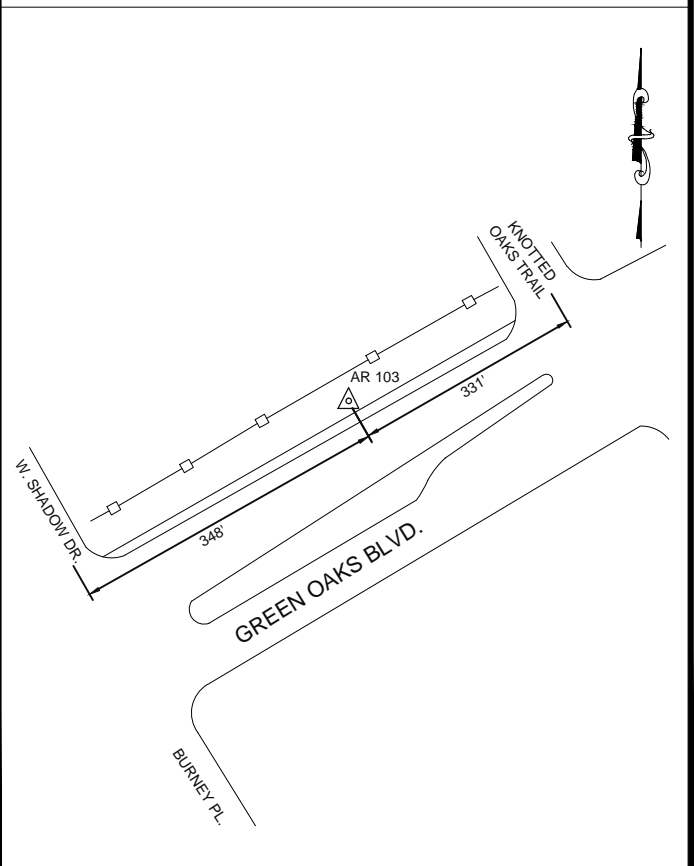


FACING NORTH



FACING EAST

FIELD SKETCH



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 104	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Burnsey Rd.	Southwest	Distance	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. E.B. Green Oaks Blvd.	Northwest	Distance	Combined Scale Factor: 0.99986056	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 103	40° 57' 52"	1860.70'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 405031.69 2131443.89 576.08'



FACING SOUTH



FACING WEST

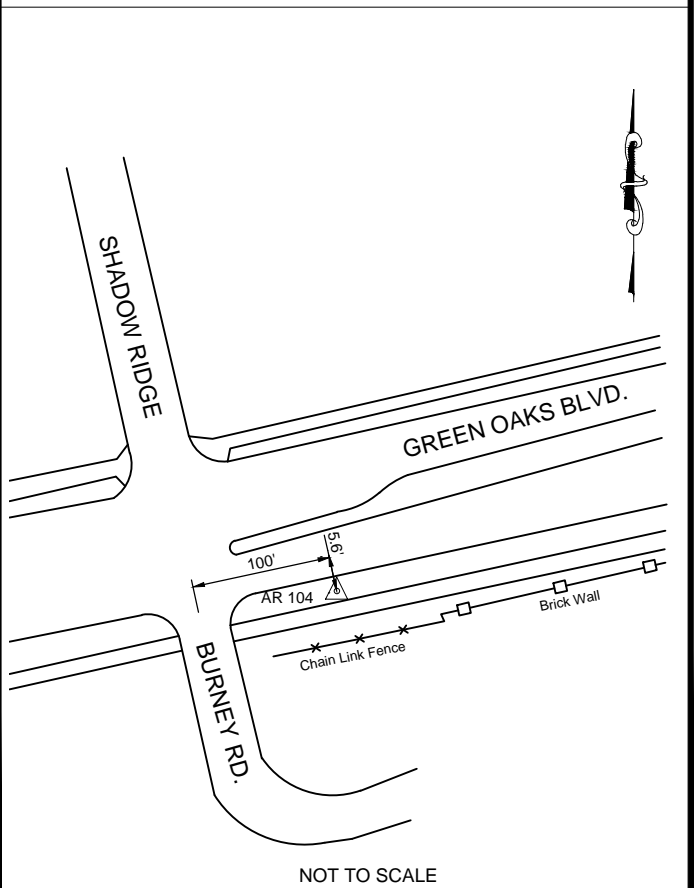
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6969469.74 E: 2407168.69	576.08'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 46' 45.82189" North	0.034'
	Longitude: 97° 04' 21.35866" West	0.033'
	Ellipsoid Height: 486.64'	0.033'

Aluminum cap on rod with access cover located in the southeast quadrant of Green Oaks Boulevard and Burnsey Rd. The monument is 100' northeast of the centerline of Burnsey Road and 5.6' south east of the southern most eastbound lane of Green Oaks Boulevard.

Mapsc0 70-N

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 105	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Abram St.	South	11.2'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Brick Wall	North	19.6'	Combined Scale Factor: 0.99986272	Date: 2011/10/10
3. Traffic Light	West	20.8'		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 106	178° 54' 23"	3343.67'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 612.66'



FACING SOUTH



FACING WEST

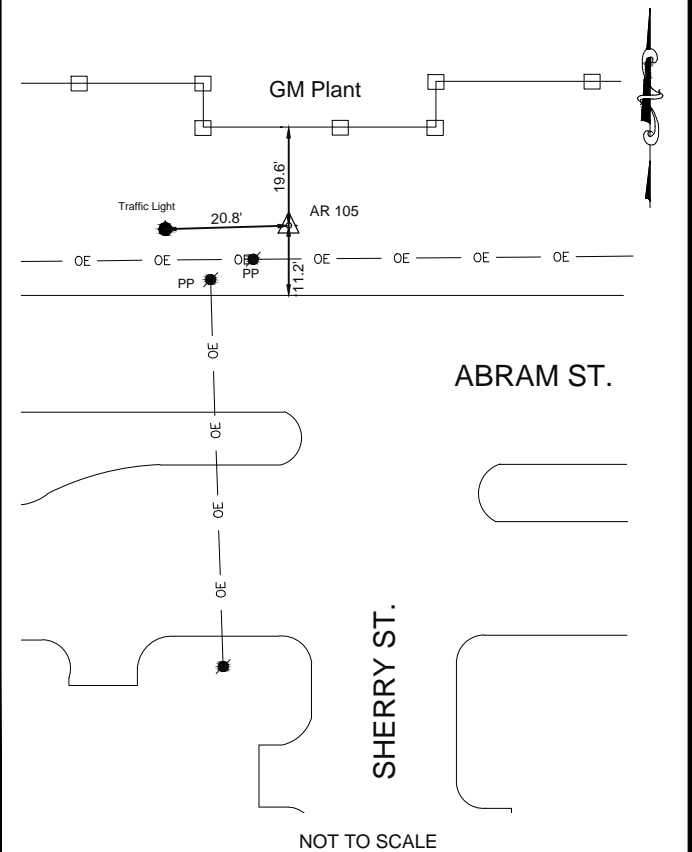
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 389031.82 E: 2131816.36	612.66'
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6953474.08 E: 2407693.44	612.66'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 44' 07.48155" North	0.009'
	Longitude: 97° 04' 17.75995" West	0.012'
	Ellipsoid Height: 523.33'	0.013'

Aluminum cap on rod with access cover located at the intersection of Abram Street and Sherry Street. The monument is 11.2' north of the north curb line of Abram Street, 19.6' south of a brick wall, and 20.8' east of a traffic light.

Mapsc0 84-J

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 106	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Sherry St.	West	22'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Brookshire St.	North	95'	Combined Scale Factor: 0.99986468	
3. Stonegate St.	South	194'	Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 105	358° 54' 23"	3343.67'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 385688.31 2131848.36 590.39'



FACING SOUTH



FACING EAST

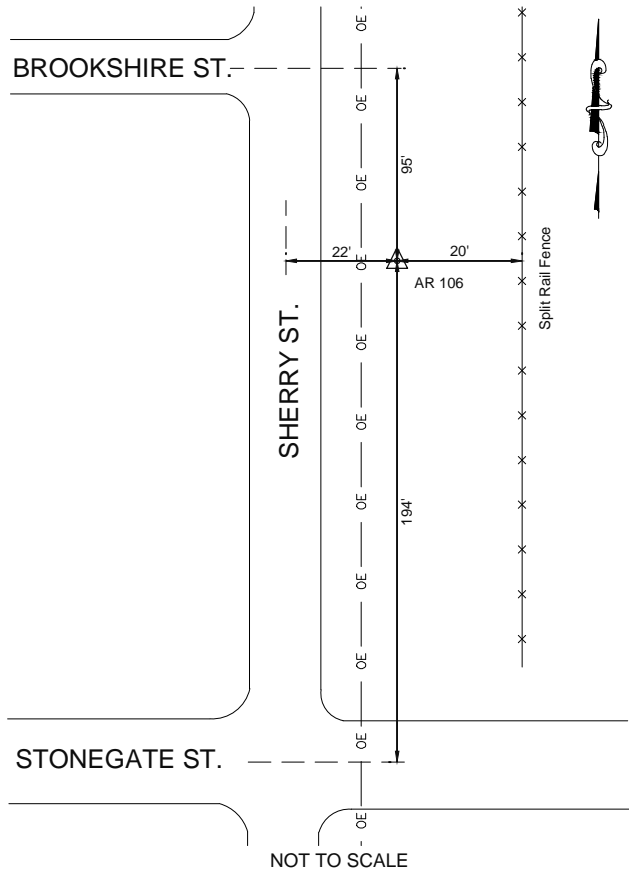
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6950131.01 E: 2407757.26	590.39'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 43' 34.39481" North	0.007'
	Longitude: 97° 04' 17.54499" West	0.015'
	Ellipsoid Height: 501.09'	0.014'

Aluminum Cap On Rod With Access Cover located on the east side of Sherry Street between Stonegate Street and Brookshire Street. The monument is 22' east of the centerline of Sherry Street, 95' south of Brookshire Street, 194' north of Stonegate Street, and 20' west of a split rail fence.

Mapsc0 84-N

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 107	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Center of Driveway	Northwest	81'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Water Meter	Northwest	44'	Combined Scale Factor: 0.99986514	
			Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 108	132° 48' 34"	3053.23'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 474.03'



FACING NORTHEAST



FACING NORTHWEST

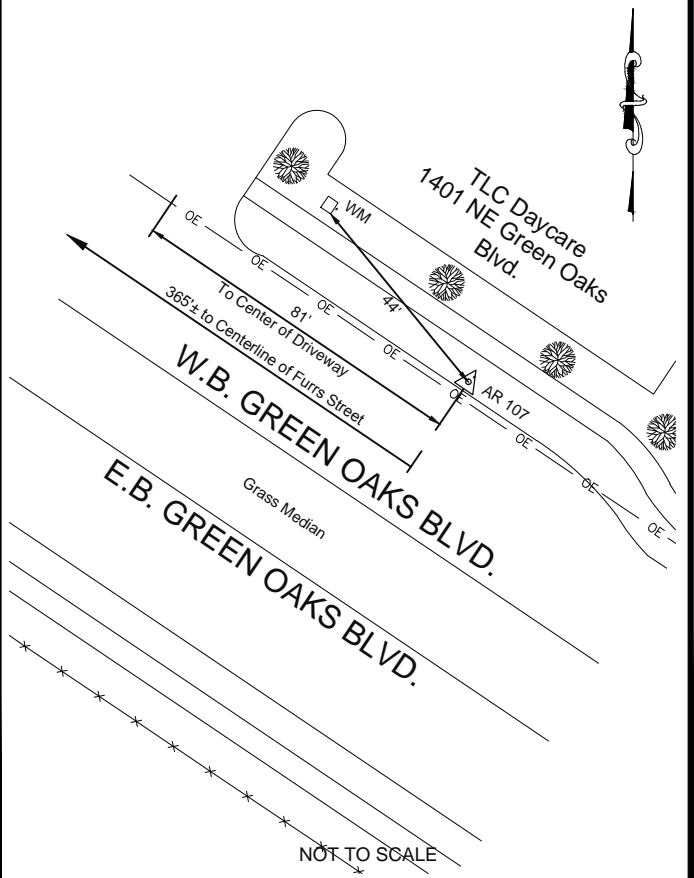
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	406399.22 2125916.10	474.03'
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6970784.60 E: 2401628.11	474.03'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 46' 59.57200" North	0.006'
	Longitude: 97° 05' 26.04744 West	0.005'
	Ellipsoid Height: 384.45'	0.007'

Aluminum cap on rod with access cover located on the north side of Green Oaks Boulevard in front of TLC Daycare. The monument is 81' east of the centerline of the entrance to TLC Daycare and 44' southeast of a water meter.

Mapscop 69-L

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 108	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Ascension Blvd.	Southeast	160'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Ascension Point Dr.	Northwest	90'	Combined Scale Factor: 0.99986035	Date: 2011/10/10
3. North Curb of Median	North	6'		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 107	312° 48' 34"	3053.23'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 583.83'



FACING NORTH



FACING EAST

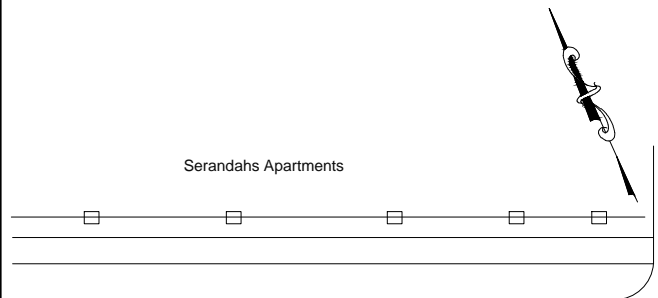
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6968709.73 E: 2403868.02	583.83'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 46' 38.74401" North	0.002'
	Longitude: 97° 05' 00.13866" West	0.005'
	Ellipsoid Height: 494.32'	0.011'

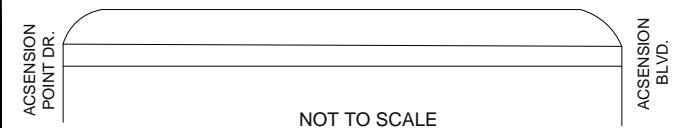
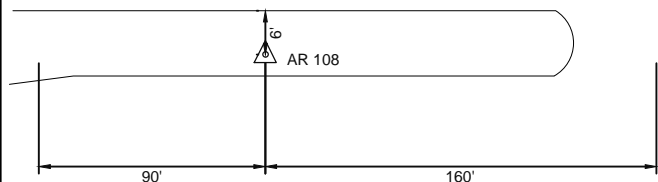
Aluminum cap on rod with access cover located in the median of Green Oaks Boulevard between Ascension Boulevard and Ascension Point Drive. The monument is 160' west of Ascension Boulevard, 90' east of Ascension Bluff Drive, and 6' south of the north curb line of the median.

Mapsco 69-R

FIELD SKETCH



GREEN OAKS BLVD.



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 109	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
1. Traffic Signal	North	59'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Street Light	Southwest	36'	Combined Scale Factor: 0.99986473	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 110	179° 50' 31"	1813.47'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 378277.49 2123819.77 632.36'



FACING NORTH



FACING WEST

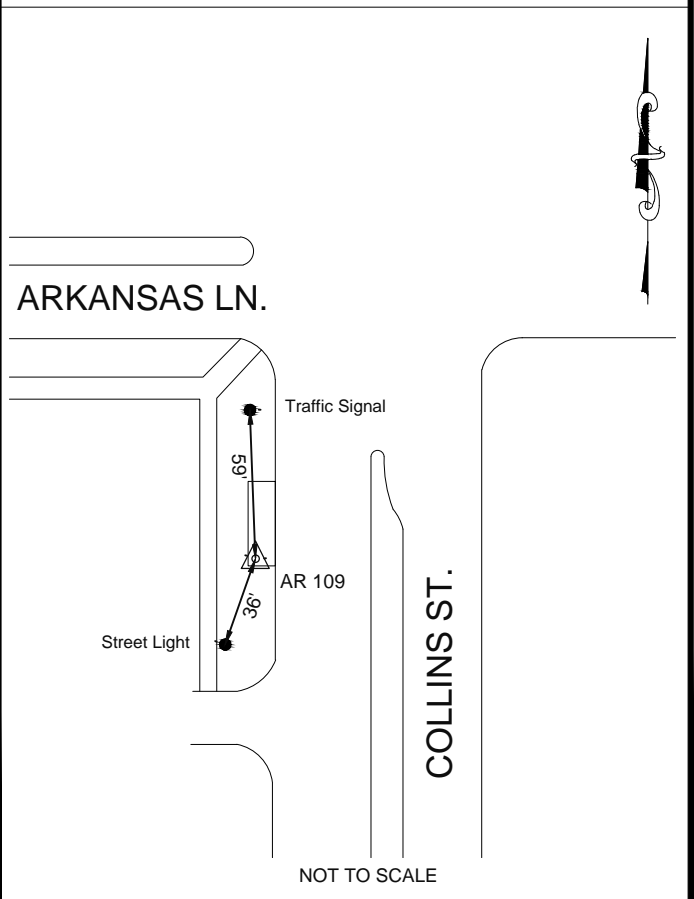
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6942644.08 E: 2399799.55	632.36'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 42' 21.37560" North	0.010'
	Longitude: 97° 05' 51.86596" West	0.006'
	Ellipsoid Height: 542.92'	0.009'

City of Arlington aluminum marker in concrete located in the southwest corner of an inlet in the southwest quadrant of Arkansas Lane and Collins Street. The monument is 59' South of a traffic signal and 36' Northeast of a street light.

Mapsc0 83-X

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 110	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Center of Drive Entrance	South	100'±	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Sign	West	10.8'	Combined Scale Factor: 0.99986469	Date: 2011/10/10
3. Traffic Signal Box	Southwest	17.6'		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 109	359° 50' 31"	1813.47'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 644.33'



FACING NORTH



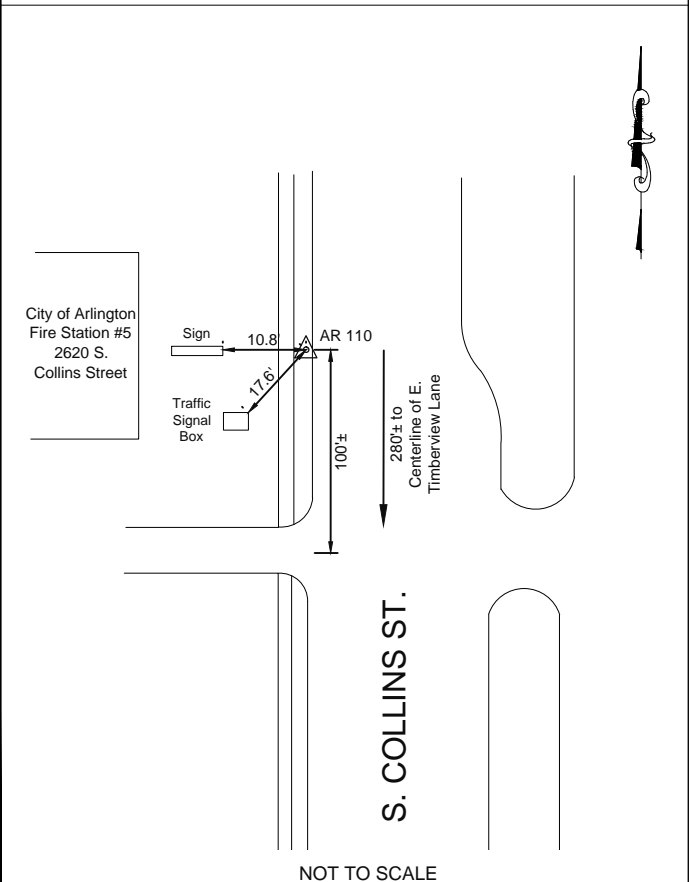
FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	376464.07 2123807.51	644.33'
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6940830.62 E: 2399804.55	644.33'
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 42' 03.43144" North	0.011'
	Longitude: 97° 05' 52.09070" West	0.013'
	Ellipsoid Height: 554.90'	0.007'

Aluminum cap on rod with access cover located on the west side of Collins Street in front of the City of Arlington Fire Station #5. The monument is 60' north of the centerline of the drive entrance, 10.8' east of a sign, and 17.6' northeast of a traffic signal box.

Mapsc0 97-B

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 111	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Custer St.	South	225'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. SSMH	Southwest	51.2'	Combined Scale Factor: 0.99986510	Date: 2011/10/10
3. CATV Ped	Northwest	66'		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 110	359° 29' 26"	2297.97'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 649.70'



FACING NORTH



FACING WEST

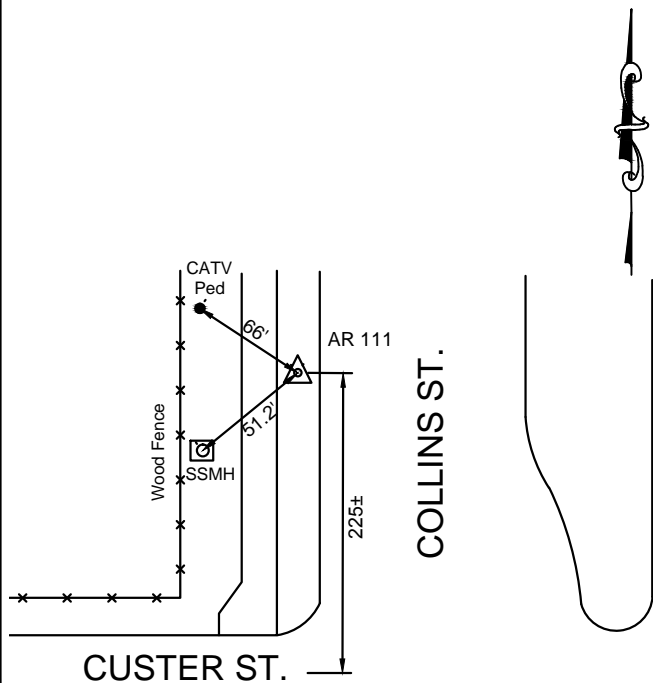
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6938532.74 E: 2399824.98	649.70'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 41' 40.69216" North	0.009'
	Longitude: 97° 05' 52.21050" West	0.005'
	Ellipsoid Height: 560.29'	0.009'

Aluminum cap on rod with access cover located on the west side of Collins Street, 225' north of the centerline of Custer Street. The monument is 51.2' northeast of a SSMH and 66' southeast of a CATV pedestal.

Mapsc0 97-F

FIELD SKETCH



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 112	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap on Rod With Access Cover	
1. Concrete Slab	South	6'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Light Pole	North	15.7'	Combined Scale Factor: 0.99986777	Date: 2011/10/10
3. Asphalt Parking Lot	West	8'		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 47	98° 51' 47"	5257.80'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 381317.51 2086571.86 551.02'



FACING EAST



FACING SOUTH

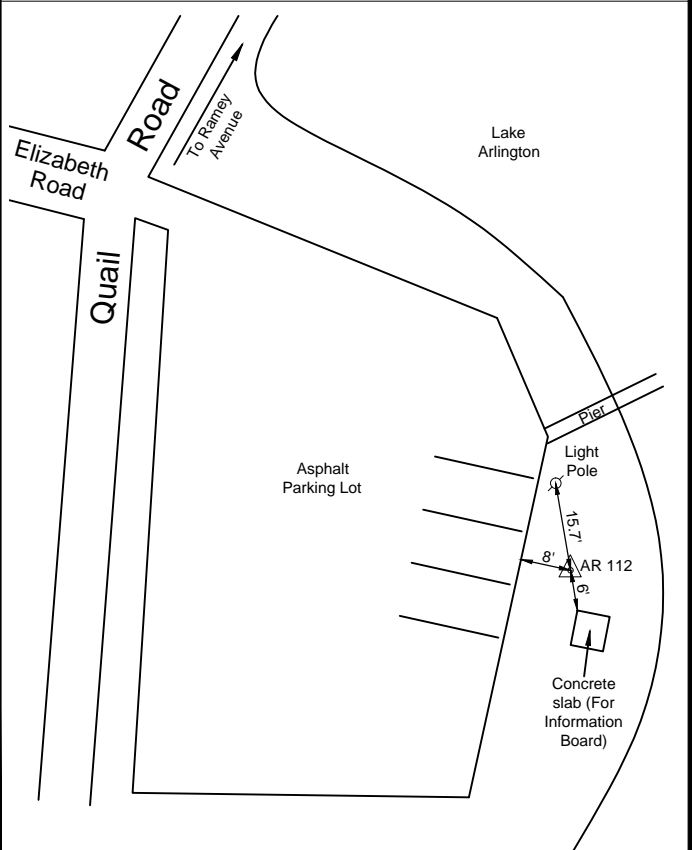
NAD27 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	381317.51 2086571.86	551.02'
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6945329.42 E: 2362524.25	551.02'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 42' 52.65703" North	0.019'
	Longitude: 97° 13' 07.72508" West	0.013'
	Ellipsoid Height: 460.66'	0.024'

Aluminum Cap on Rod with Access Cover. From Loop 820 go east on Ramey Avenue for 0.5 mile. Go south on Quail Road for 0.5 mile to Elizabeth Road. Eugene McCray Park is on left. Monument is located on east side of parking lot, just north of a Park Information Board and south of a pier and light pole.

Mapscro 80-S

FIELD SKETCH



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR113	Surveyor: Wayne C. Terry, RPLS LSLS	
			Type: Aluminum Cap		
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>		
			Combined Factor: 0.99986652	Date: 2012/06/28	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
AR52	181° 47' 40"	1464.32'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	366730.04 2118619.59	667.83



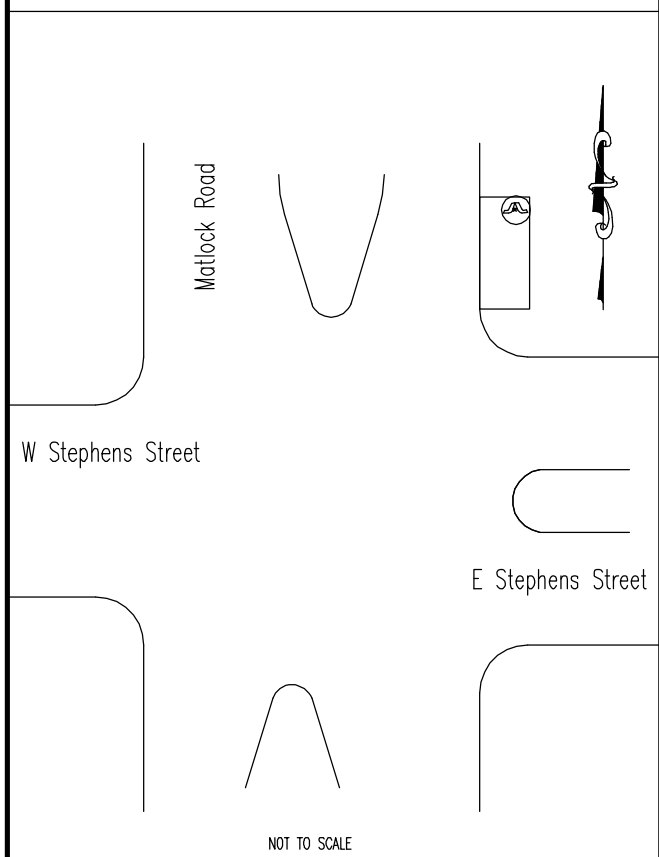
FACING NORTH



FACING EAST

NAD83(2007) Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	366730.04 2118619.59	667.83
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6931049.40 E: 2394709.81	667.83
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
Latitude: 32° 40' 27.31875" North Longitude: 97° 06' 53.22101" West Ellipsoid Height: 578.29		0.01' 0.01' 0.01'
<p>Arlington Aluminum Disk stamped AR113 Located on the northeast corner of a curb inlet on the east side of Matlock Road approximately 100' north of the centerline of East Stephen Street.</p> <p style="text-align: right;">Mapsc0 96-R</p>		

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 114	Surveyor: Dick S. Jones
Reference Mark	Direction	Distance (Feet)	Type: ALUMINUM DISK	
CL Southbound 360 Service Road	West	207'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> Trav <input type="checkbox"/> Other <input type="checkbox"/>	
CL Arkansas Lane East bound	North	35'	Combined Scale Factor: 0.99986574 Date: 2012/09/26	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Elevation (Feet) NAVD88 Calculated using Geoid 09
AR 17	317° 46' 48"	3966.93'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	610.83'



NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	X: 2134389.21 Y: 378344.66	610.83'
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6942813.55 E: 2410368.25	610.83'
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
Latitude: 32° 42' 21.63936" N		0.008'
Longitude: 97° 03' 48.15297" W		0.009'
Ellipsoid Height: 521.59'		0.023'

Aluminum disk set in concrete on Arkansas Lane bridge over State Highway No. 360. Disk is located along the southwest quadrant of the bridge, south side of Arkansas Lane, in a 6' wide concrete sidewalk. Disk is 19' East of the west end of concrete wall, 3.3' North of the north face of concrete wall and is 0.6' west of bridge seam.

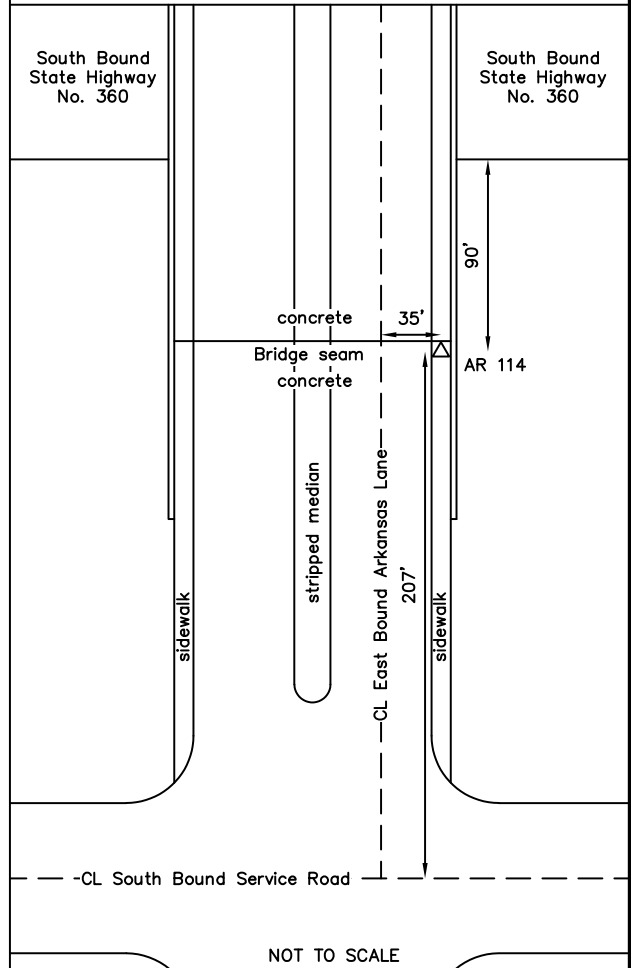
Mapsc0: 84-X




Facing South



Facing West



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 115		Surveyor: Dick S. Jones
Reference Mark	Direction	Distance (Feet)	Type: ALUMINUM DISK		
CL Southbound 360 Service Road	West	435'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> Trav <input type="checkbox"/> Other <input type="checkbox"/>		
CL Pioneer Parkway East bound	North	27'	Combined Scale Factor: 0.99986476		Date: 2012/09/26
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
AR 17	285° 04' 58"	2713.01'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	X: 2134364.34 Y: 380576.86	618.15'
			NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
			State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6945045.42 E: 2410322.12	618.15'
			Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 42' 43.72900" N	0.013'			
	Longitude: 97° 03' 48.33560" W	0.005'			
	Ellipsoid Height: 528.90'	0.027'			

Aluminum disk set in concrete on Pioneer Parkway bridge over State Highway No. 360. Disk is located along the southwest quadrant of the bridge, south side of Pioneer Parkway, in a 6' wide concrete shoulder. Disk is 12' East of the west end of concrete wall, 3.5' North of the north face of concrete wall and is 1.0' west of bridge seam.

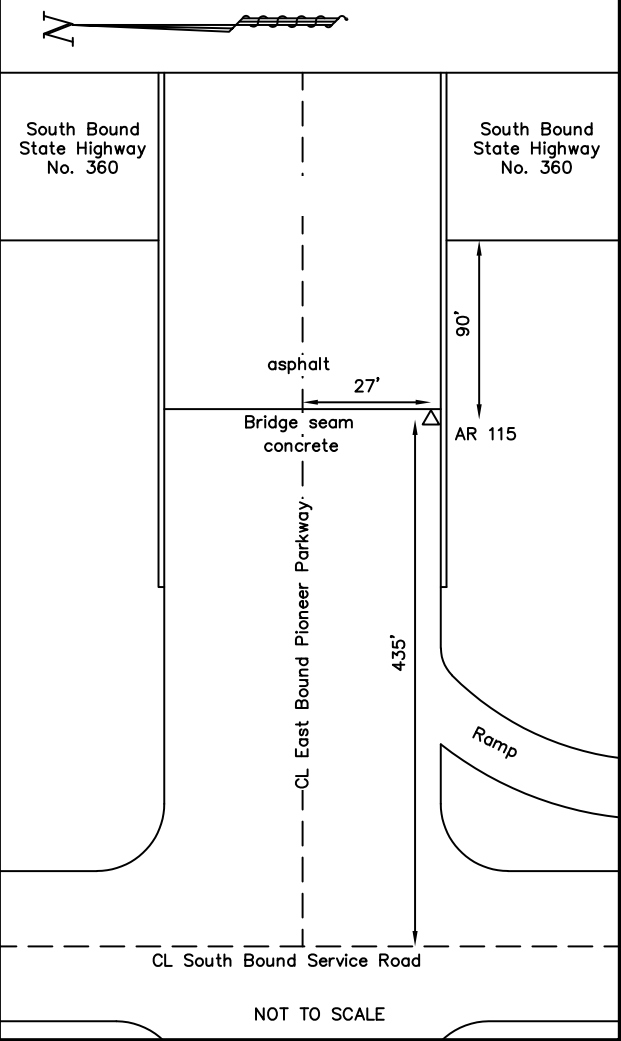
Mapsc0: 84-T



Facing South



Facing West



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR116	Surveyor: Wayne C. Terry, RPLS LSLs
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap	
1. Mansfield Webb Rd.	Southeast	135	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Factor: 0.99987565	
			Date: 2014/10/06	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR117	300° 58' 01.9"	1,699.13'	Elevation (Feet) NAVD88 Calculated using Geoid 09	
			State: Zone: Code:	



FACING SOUTHWEST



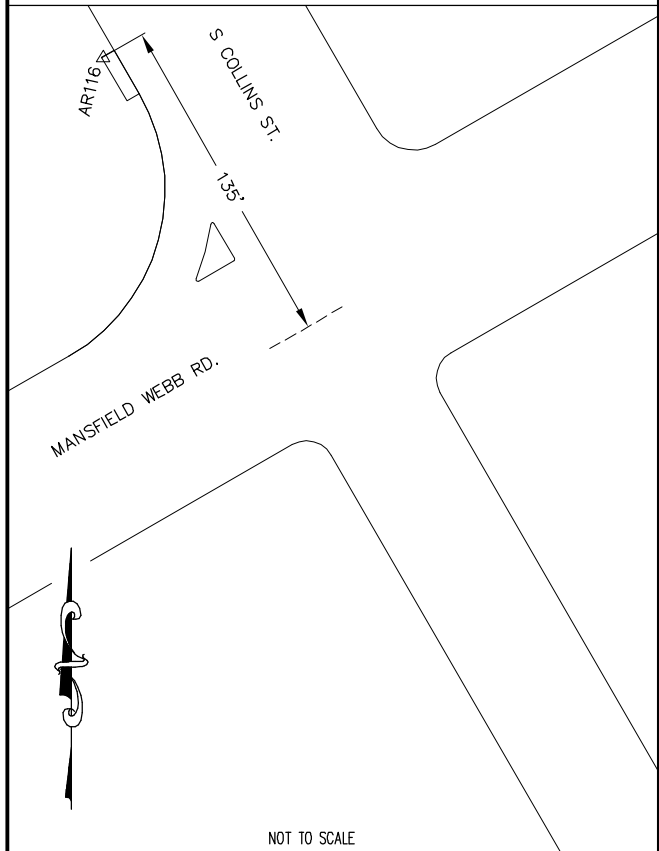
FACING SOUTHEAST

NAD83(2007) Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202		N: 6,914,683.79 E: 2,403,349.69 591.16
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
Latitude: 32°37'44.24856" North Longitude: 97°05'14.71854" West Ellipsoid Height: 501.92'		0.013' 0.006' 0.015'

Arlington Aluminum Disk stamped AR116 Located on the west corner of a curb inlet on the southwest side of South Collin Street approximately 135' feet northwest of the center of Mansfield Webb Road.

Mapsc0 111-L

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR117	Surveyor: Wayne C. Terry, RPLS LSLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap	
1. Big Bend Drive	Northwest	163	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Factor: 0.999877477	Date: 2014/04/12
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR116	120° 58' 01.9"	2,705.05'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09



FACING SOUTHWEST



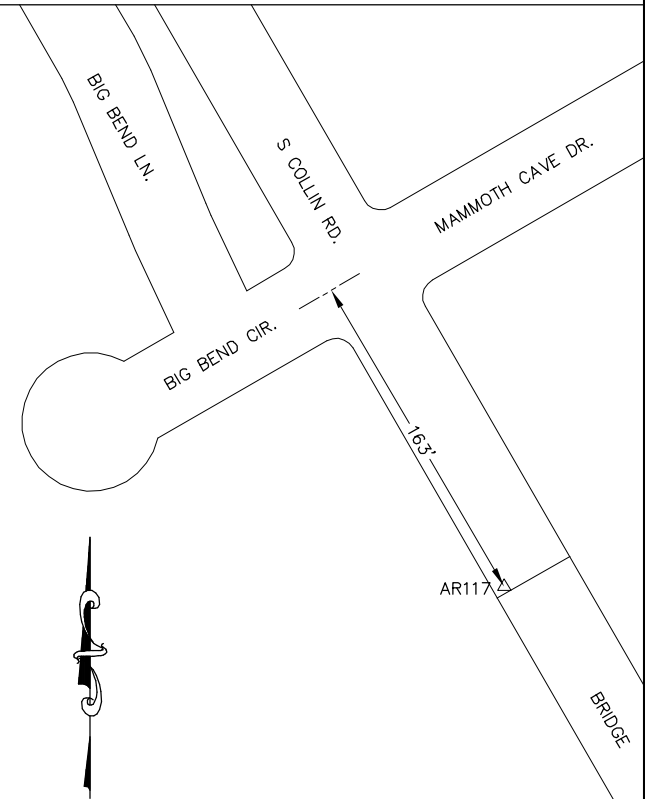
FACING SOUTHEAST

NAD83(2007) Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6,913,226.86 E: 2,404,224.01	563.82
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
Latitude: 32°37'29.71635" North Longitude: 97°05'04.72471" West Ellipsoid Height: 474.59'		0.003' 0.005' 0.008'

Arlington Aluminum Disk stamped AR117 in the center of the westerly sidewalk along South Collin Road and approximately 10 feet southeast of the north bridge abutment for the bridge over Bowman Branch and approximately 163' feet southeast of Big Bend Drive.

Mapsc0 111-Q

FIELD SKETCH



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR118	Surveyor: Wayne C. Terry, RPLS LSLs
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap	
1. Timberlake Drive	West	690	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Factor: 0.999866281	
			Date: 2014/01/08	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR119	268° 36' 30.8"	2,705.05'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 383,717.60 2,138,663.53 567.97



FACING WEST



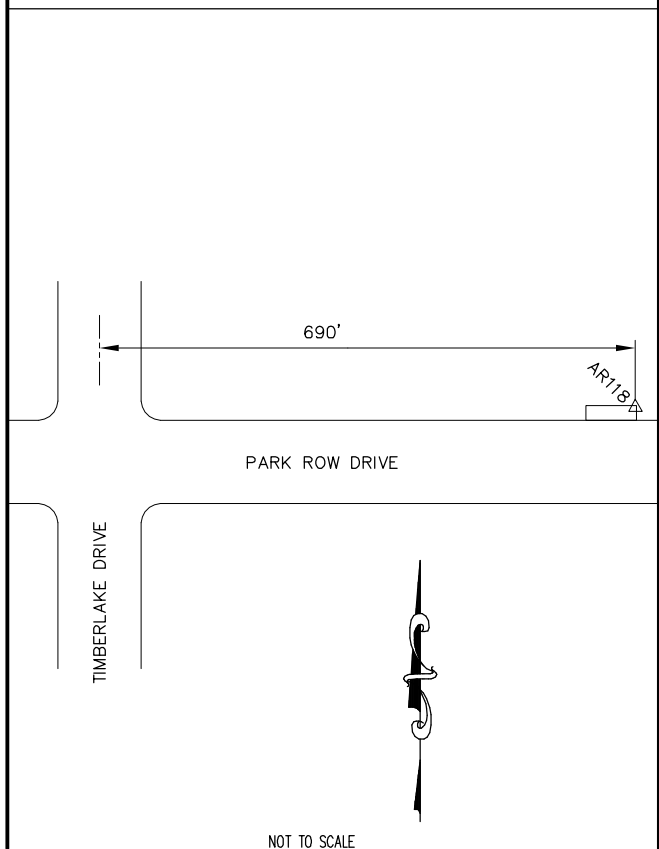
FACING NORTH

NAD83(2007) Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	383,717.60 2,138,663.53	567.97
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6,948,226.95 E: 2,414,591.24	567.97
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32°43'14.62837" North Longitude: 97°02'57.85639" West Ellipsoid Height: 478.80'	0.012' 0.011' 0.013'

Arlington Aluminum Disk stamped AR118 Located on the northeast corner of a curb inlet on the north side of Park Row Drive approximately 690' feet east of Timberlake Drive.

Mapsc0 84-0

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR119	Surveyor: Wayne C. Terry, RPLS LSLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap	
1. Susan Drive	East	315	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Factor: 0.999864919	Date: 2014/01/08
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR118	88° 36' 30.8"	2,705.05'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	383,677.66 2,135,958.80
			Elevation (Feet) NAVD88 Calculated using Geoid 09	596.69



FACING WEST



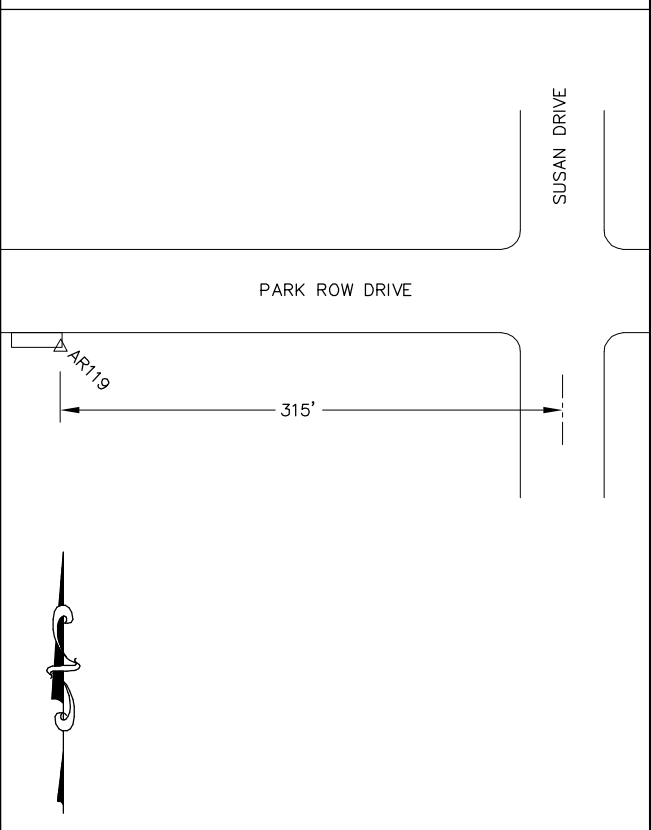
FACING SOUTH

NAD83(2007) Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	383,677.66 2,135,958.80	596.69
NAD83(2007) Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6,948,161.27 E: 2,411,886.99	596.69
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32°43'14.34681" North Longitude: 97°03'29.52010" West Ellipsoid Height: 507.45'	0.009' 0.014' 0.013'

Arlington Aluminum Disk stamped AR119 Located on the southeast corner of a curb inlet on the south side of Park Row Drive approximately 315' feet west of the center of Susan Drive.

Mapsc0 84-T

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR120	Surveyor: Wayne C. Terry, RPLS LSLs	
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap on Rod With Access Cover		
1. Big Bend Drive	Northwest	163	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>		
			Combined Factor: 0.999874490		
			Date: 2014/04/12		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
AR116	120° 58' 01.9"	2,705.05'	State: TEXAS Zone: NORTH CENTRAL Code: 4202		

			NAD83(2007) Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
			State: TEXAS Zone: NORTH CENTRAL Code: 4202		
			N: 6,915,922.01 E: 2,402,849.37		606.41
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>		Standard Deviation		
	Latitude:	32°37'56.56682" North			0.006'
	Longitude:	97°05'20.37427" West			0.005'
	Ellipsoid Height:	517.13'			0.012'

Arlington Aluminum Cap on Rod With Access Cover stamped AR120 approximately 3 feet east of the east curb of South Collins Street and approximately 1470' feet north of Mansfield Webb Road.

Mapsc0 111-L

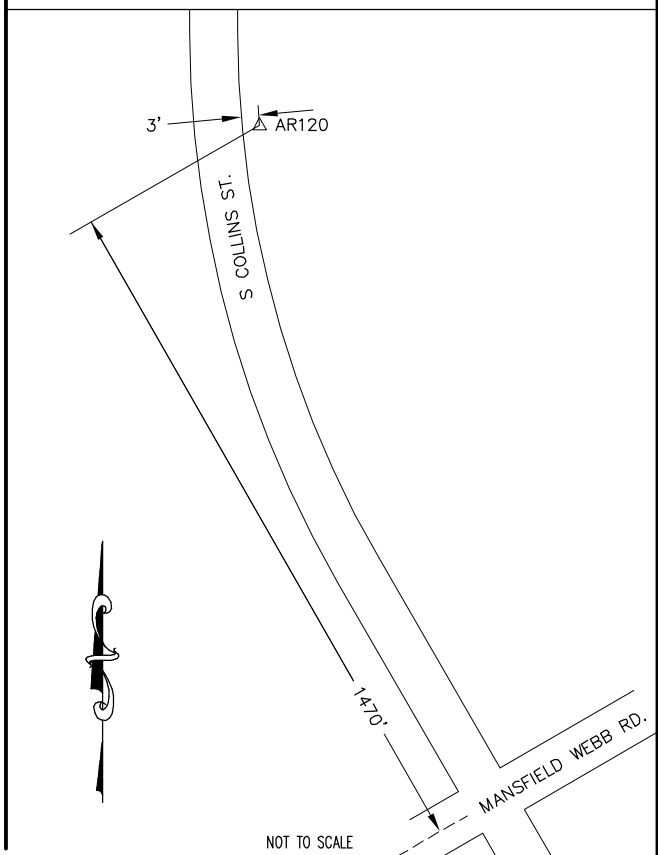


FACING EAST



FACING SOUTH

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR121	Surveyor: Wayne C. Terry, RPLS LSLs
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap	
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Factor: 0.999870113	
			Date: 2014/09/09	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR122	177°08'36"	1,792.98'		Elevation (Feet) NAVD88 Calculated using Geoid 09
			State: Zone: Code:	



FACING WEST



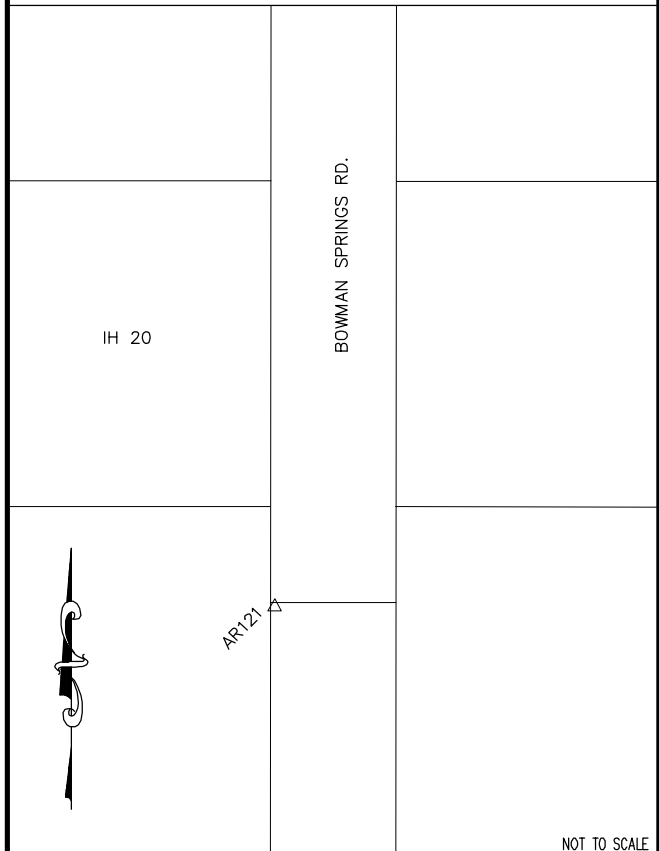
FACING SOUTH

NAD83(2007) Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6,928,212.35 E: 2,361,307.13	609.40
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32°40'03.43428" North Longitude: 97°13'24.40534" West Ellipsoid Height: 519.08'	0.008' 0.007' 0.026'

Arlington Aluminum Disk stamped AR121 Located on the southwest bridge abutment of Bowman Springs Road over Interstate Highway 20.

Mapsc0 93-V

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR122	Surveyor: Wayne C. Terry, RPLS LSLs	
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap on Rod With Access Cover		
			Survey Method: <input checked="" type="checkbox"/> GPS/GNSS <input type="checkbox"/> TRAV <input type="checkbox"/> OTHER		
			Combined Factor: 0.999870712		
			Date: 2014/09/09		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
AR121	357°08'36"	1,792.98'			



FACING EAST



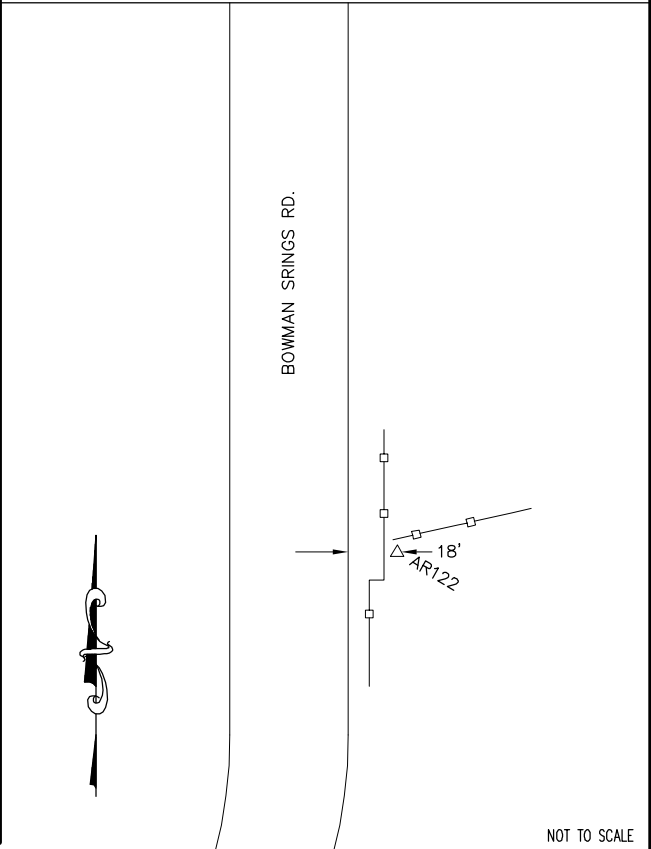
FACING SOUTH

NAD83(2007) Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6,926,421.60 E: 2,361,396.49	608.90
Geodetic Data	Position: <input type="checkbox"/> NAD27 <input checked="" type="checkbox"/> NAD83 (2007)	Standard Deviation
	Latitude: 32°39'45.70446" North Longitude: 97°13'23.61460" West Ellipsoid Height: 518.58'	0.006' 0.008' 0.024'

Arlington Aluminum Cap on Rod With Access Cover stamped AR122 approximately 18 feet east of the east curb of Bowman Springs Road and approximately 1450 feet south of Bolen Road.

Mapsc0 93-V

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR-123	Surveyor: Douglas A. Calhoun RPLS	
Reference Mark	Direction	Distance (Feet)	Type: C35D- 3 1/2" Aluminum Disk		
1. Light Pole	Easterly	29.2'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>		
			Combined Scale Factor: 0.9998618150		Date: 2015/05/19
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated Using Geoid 09
AR-124	84° 20' 51"	874.97'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 398980.480 E: 2128337.524	580.533



Facing West



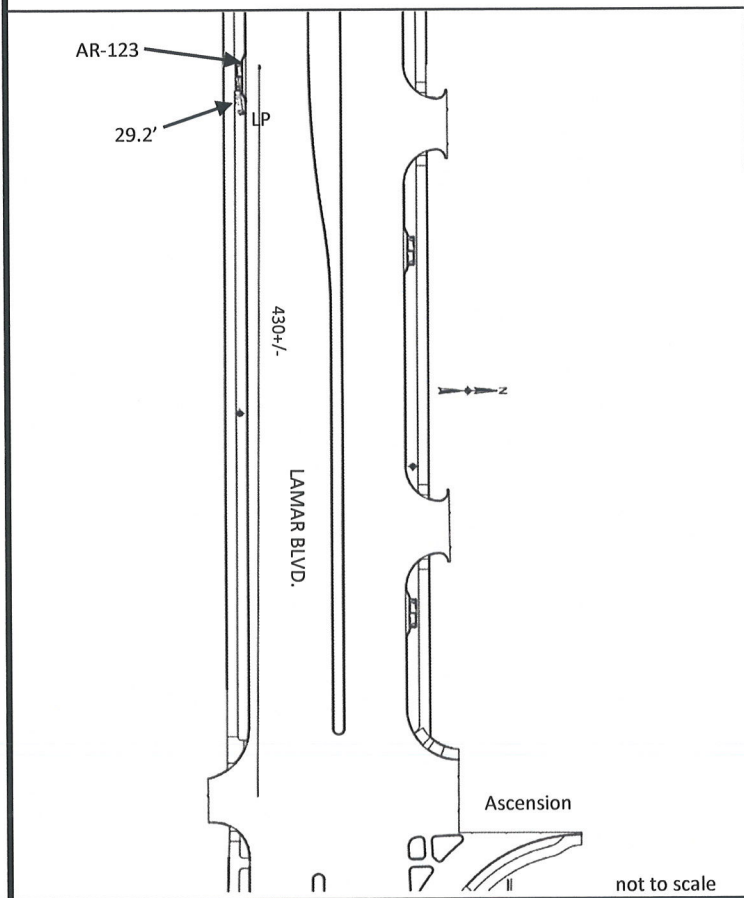
Facing South

NAD83 (2007) Adjustment Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated Using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6963390.880 E: 2404120.324	580.533

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 <input checked="" type="checkbox"/>		Standard Deviation
	Latitude:	32°45'46.08240" North	0.007
	Longitude:	97°04'58.02247" West	0.017
	Ellipsoid Height:	490.991	0.015

City of Arlington Aluminum Disk stamped AR-123. Located at the southwest corner of a 20' Recessed Inlet on the south side of Lamar Boulevard, approximately 430'+/- west of Ascension Boulevard.

FIELD SKETCH



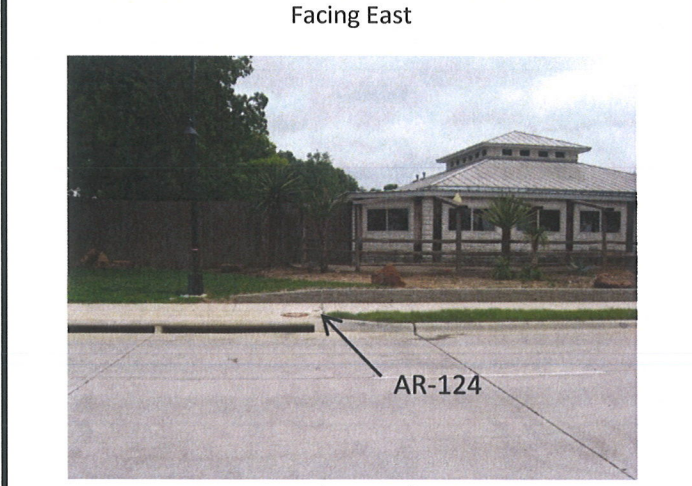
not to scale

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR-124	Surveyor: Douglas A. Calhoun RPLS
Reference Mark	Direction	Distance (Feet)	Type: C35D- 3 1/2" Aluminum Disk	
1.Light Pole	Northwesterly	12.4'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor:	Date:
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR-123	264° 20' 51"	874.97'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated Using Geoid 09 399058.370 2129209.014 570.665



Facing East

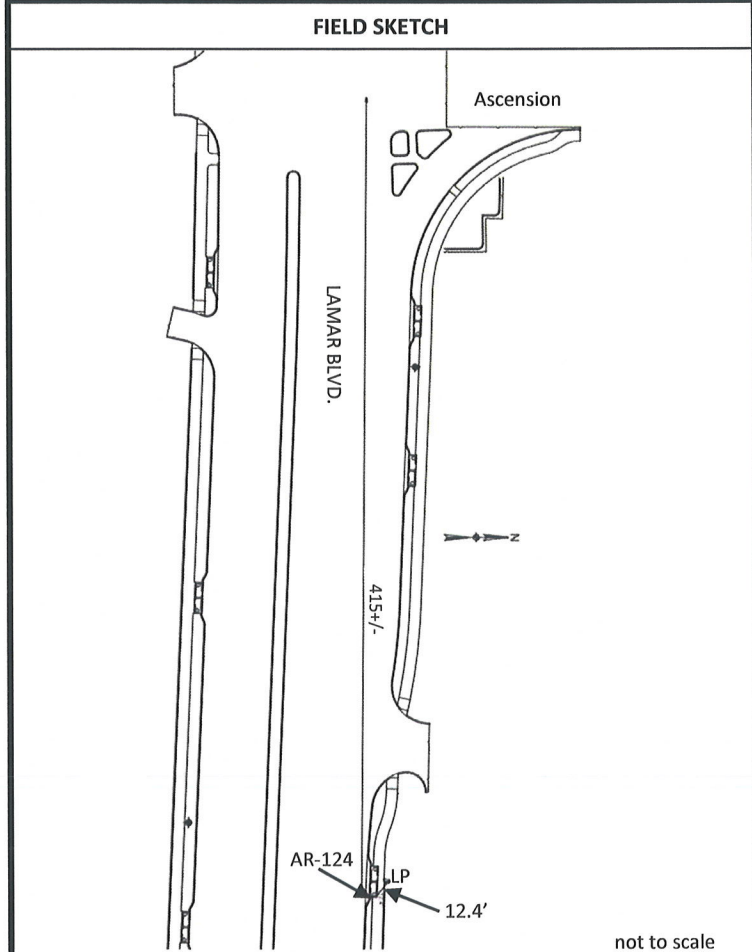


Facing North

NAD83 (2007) Adjustment Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated Using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6963477.060 E: 2404991.038	570.665

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32°45'46.81876" North	0.008
	Longitude: 97°04'47.81224" West	0.019
	Ellipsoid Height: 481.142	0.015

City of Arlington Aluminum Disk stamped AR-124. Located at the northeast corner of a 20' Recessed Inlet on the north side of Lamar Boulevard, approximately 415'+/- east of Ascension Boulevard.



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR125	Surveyor: Chris R. Noah, RPLS	
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap		
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> (Elev by level from AR49)		
			Combined Factor: 0.999864703		Date: 2016/02/18
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
AR126	304°26'27"	785.02'	State:		
			Zone:		
			Code:		



NAD83(2011) Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS	N: 6,939,133.10	654.49
Zone: NORTH CENTRAL	E: 2,396,569.52	
Code: 4202		
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83(2011) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32°41'47.06080" North	0.014'
	Longitude: 97°06'30.21160" West	0.014'
	Ellipsoid Height: 564.962'	0.036'

Aluminum disk labeled "CITY OF ARLINGTON GEODETIC SURVEY STATION" and stamped "AR-125" set in concrete at the northeast corner of a concrete curb inlet on the east side of South Center Street approximately 125 feet southerly from the centerline of Thomas Chapel Drive and approximately 51 feet northerly from the centerline of Knightsbridge Road

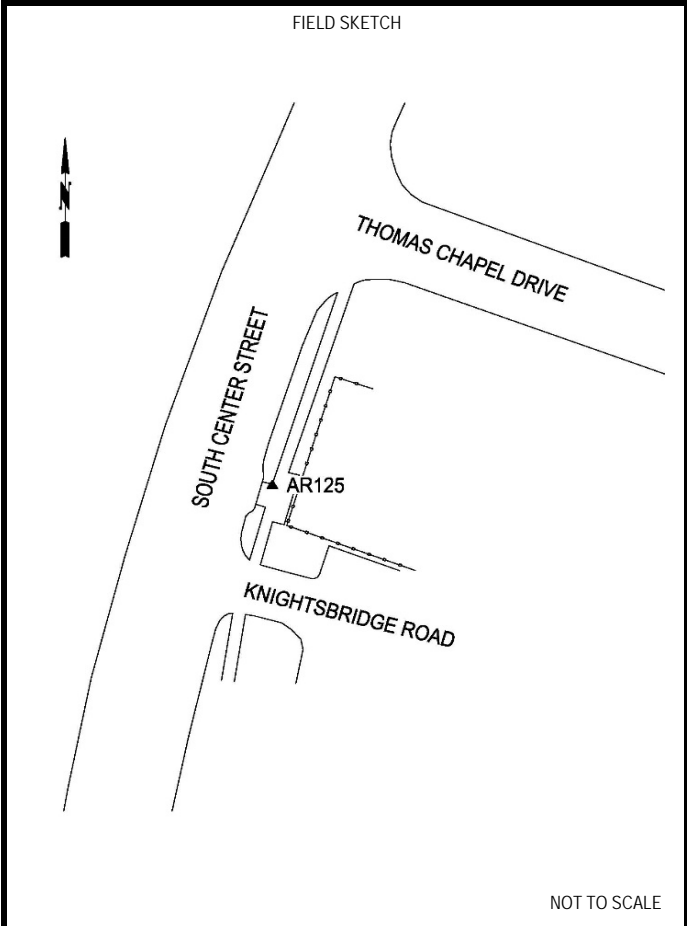
Mapsco 97-A



FACING SOUTH



FACING NORTH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR126	Surveyor: Chris R. Noah, RPLS	
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap		
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> (Elev by level from AR49)		
			Combined Factor: 0.999865199		
			Date: 2016/02/18		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
AR125	124°26'27"	785.02'			
			State:		
			Zone:		
			Code:		



FACING EAST

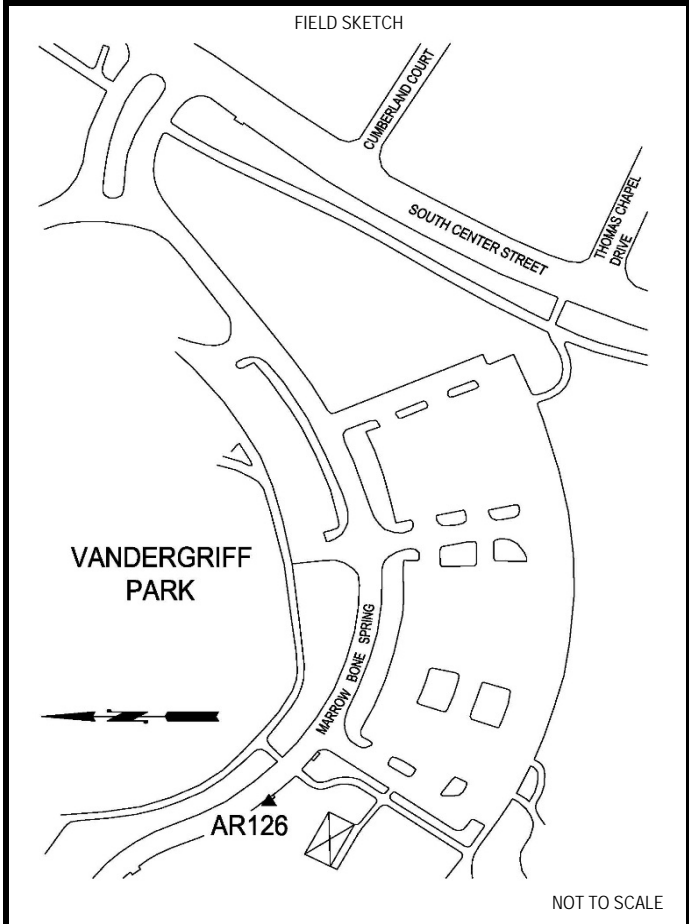


FACING WEST

NAD83(2011) Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS	N: 6,939,577.07	641.35
Zone: NORTH CENTRAL	E: 2,395,922.11	
Code: 4202		
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83(2011) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32°41'51.53851" North	0.015'
	Longitude: 97°06'37.71877" West	0.015'
	Ellipsoid Height: 551.805'	0.027'

Aluminum disk labeled "CITY OF ARLINGTON GEODETIC SURVEY STATION" and stamped "AR-126" set in concrete at the southwest corner of a concrete curb inlet on the south side of Marrow Bone Springs inside Vandergriff Park located at 2800 South Center Street. The mark is located approximately 67 feet north of a concession stand and approximately 105 feet west of the centerline of a parking lot drive entrance.

Mapsc0 97-A



City of Arlington Network Control Data Sheet

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 127	Surveyor: Kenneth R. Rogers, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Disc set in concrete	
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.9998727475	Date: 10/19/2016
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 128	267°31'59"	1501.05'		Elevation (Feet) NAVD88 Calculated using Geoid 12
AR 59	114°31'45"	5511.02'		657.23'

State: Texas	Zone: North Central	N: 349513.18	Elevation (Feet) NAVD88 Calculated using Geoid 12
Code: 4202		E: 2106772.54	657.23'
NAD83 (2012) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)		
State: Texas	Zone: North Central	N: 6913720.58	Elevation (Feet) NAVD88 Calculated using Geoid 12
Code: 4202		E: 2383027.12	657.23'
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2012) <input checked="" type="checkbox"/>	Standard Deviation	
	Latitude: 32°37'37.35867" North	0.0033'	
	Longitude: 97°09'12.49535" West	0.0007'	
	Ellipsoid Height: 567.51'	0.0029'	



3 1/2" aluminum disc stamped "AR 127" located on the West end of a 50' long headwall on the North side of West Harris Road and is approx. 42' North of the centerline of West Harris Road and approx. 148' East of the centerline of Calender Road.

Mapsco 109-R

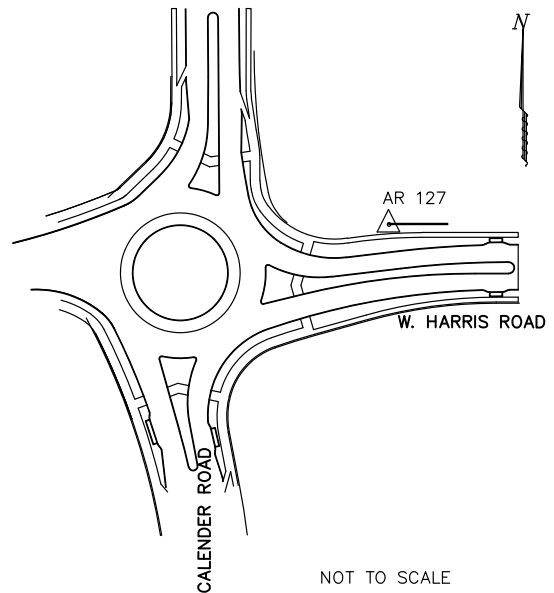


Facing East



Facing West

Field Sketch



City of Arlington Network Control Data Sheet

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 128	Surveyor: Kenneth R. Rogers, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Disc set in concrete	
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99987222085	Date: 10/19/2016
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 127	87°32'03"	1501.05'		Elevation (Feet) NAVD88 Calculated using Geoid 12
AR 26	286°02'33"	5043.80'	State: Texas Zone: North Central Code: 4202	N: 349462.85 E: 2105272.36 668.61'



Facing East



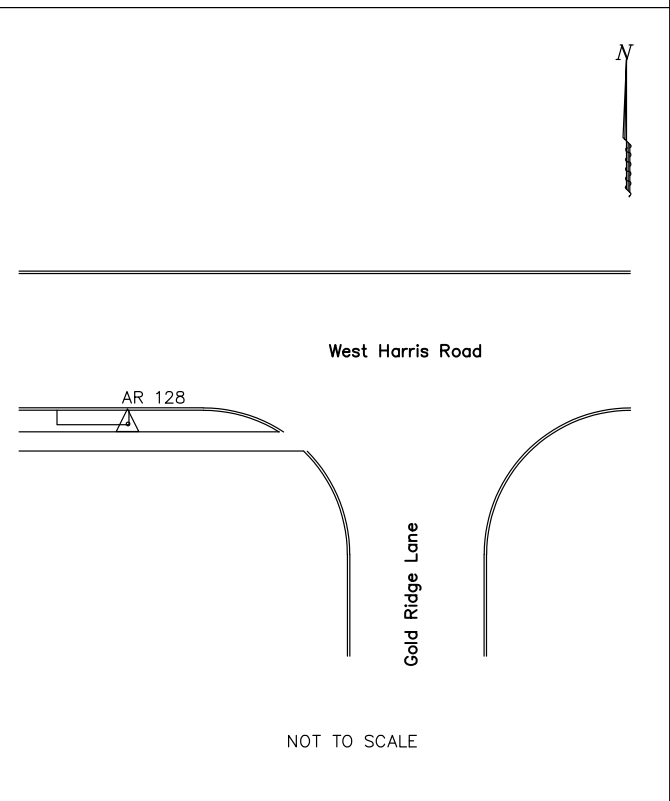
Facing West

NAD83 (2012) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 12
State: Texas Zone: North Central Code: 4202	N: 6913655.98 E: 2381527.47	668.61'
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2012) <input checked="" type="checkbox"/>	Standard Deviation
Latitude: 32°37'36.90939" N Longitude: 97°09'30.04007" W Ellipsoid Height: 578.85'		0.0143 0.0054 0.0099

3 1/2" aluminum disc stamped "AR 128" located at the Southeast corner of a 15' recessed inlet on the South side of West Harris Road approx. 60' West of the centerline of Gold Ridge Lane.

Mapsc0 109-Q

Field Sketch



CITY OF ARLINGTON GPS DATA SHEET

Station Name: AR129 Date: JULY 28, 2016 Adjusted Horizontal Control Data

Monument Type: BERNTSEN TOP SECURITY Horizontal Order: Second Survey Method: GPS TRAV OTHER

City: Arlington County: Tarrant State: TX Combined Scale Factor: 0.99986218131

Surveyor: Rick Hickman NAD 27 Grid Data Coordinates (U.S. Survey Feet)

Project Name: City of Arlington GPS Network State: Texas N: 389,051.61 NAVD88 GEOID 12B Elev. (Feet) 588.05'

Zone: North Central Code: 4202 E: 2,128,065.29

NAD 83 Grid Data Coordinates (U.S. Survey Feet)

State: Texas N: 6,953,459.8670 NAVD88 GEOID 12B Elev. (Feet) 588.05'

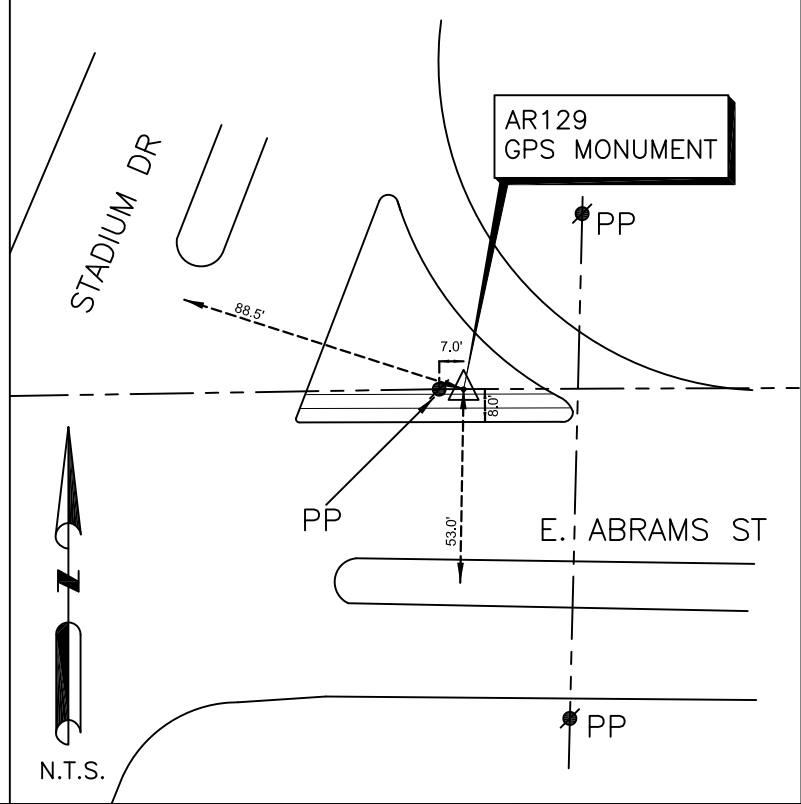
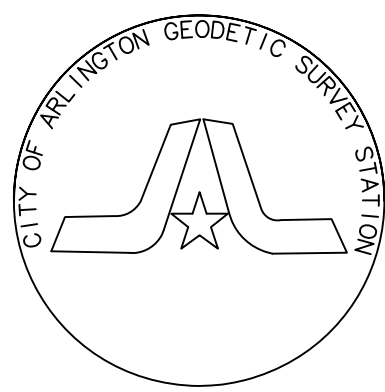
Zone: North Central Code: 4202 E: 2,403,942.6304

Metric Conversion Factor: 3.280833333

Reference Point	Direction	Distance (feet)	Geodetic Data	Position	Standard Deviation
CL STADIUM DRIVE	WEST	88.5'	<input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83 Latitude: 32° 44' 07.84343" North Longitude: 97° 05' 01.67272" West Ellipsoid Height: 498.57'	<input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83 SD N=0.0025' SD E=0.0021' SD H=0.0061'	
POWER POLE	WEST	7.0'			
CL MEDIAN E. ABRAMS DR	SOUTH	53.0'			

Description of point: Field Sketch:

AR129 is a Top Security GPS Berntsen 3" Dimensional Rod Monument System aluminum disk in covered cap with a 2' x 2' square concrete pad around the monument installed by JLB that is located in a turn lane island on the north side of E. Abrams Street at Stadium Drive. Monument is approximately 88.5' east of the centerline of Stadium Drive, 780.2' west of the centerline of Terry Drive and 53.0' north of the centerline of the median for E. Abrams Street and was installed in July of 2016 and field data calibration and discovery on July 28, 2016.



CITY OF ARLINGTON GPS DATA SHEET

Station Name: AR130	Date: JULY 28, 2016	Adjusted Horizontal Control Data
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Monument Type: BERNTSEN TOP SECURITY	Horizontal Order: Second	Survey Method: <input checked="" type="checkbox"/> GPS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>
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City: Arlington	County: Tarrant	State: TX	Combined Scale Factor: 0.99986218131
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Surveyor: Rick Hickman	NAD 27 Grid Data	Coordinates (U.S. Survey Feet)	
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Project Name: City of Arlington GPS Network	State: Texas	N: 388,986.55	NAVD88 GEOID 12B Elev. (Feet)
	Zone: North Central	E: 2,130,230.15	627.97'
	Code: 4202		

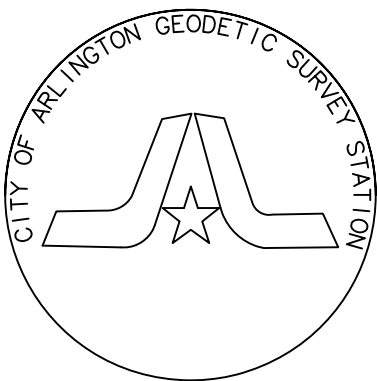
Distances & Directions To Prominent & Reference Marks

Reference Point	Direction	Distance (feet)	NAD 83 Grid Data	Coordinates (U.S. Survey Feet)	
CL S. CIRCLE DRIVE	WEST	210.0'	State: Texas	N: 6,953,415.4140	NAVD88 GEOID 12B Elev. (Feet)
PIPE FENCE	NORTH	49.7'	Zone: North Central	E: 2,406,108.0184	627.97'
CL TOM VANDEGRIFF WAY	EAST	427.3'	Code: 4202		

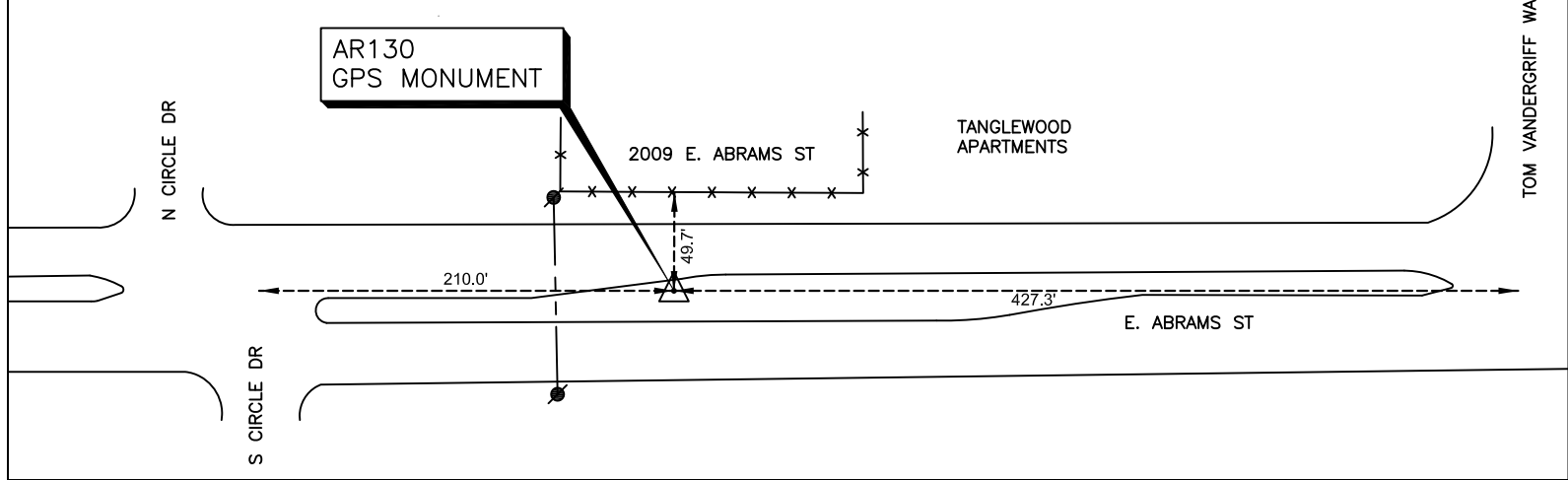
Metric Conversion Factor: 3.280833333

Azimuth Mark	Azimuth	Distance	Geodetic Data	Position	Standard Deviation
AR129	271°10'34"	2165.84'		NAD 27 <input type="checkbox"/> NAD 83 <input checked="" type="checkbox"/>	Latitude: 32° 44' 07.11401" North Longitude: 97° 04' 36.32968" West Ellipsoid Height: 538.55'
					SD N=0.0029' SD E=0.0024' SD H=0.0063'

Description of point:
 AR130 is a Top Security GPS Berntsen 3" Dimensional Rod Monument System aluminum disk in covered cap with a 2' x 2' square concrete pad around the monument installed by JLB that is located in the median of E. Abrams Street near an air release valve. Monument is approximately 427.3' west of the centerline of Tom Vandergriff Drive, 210' east of the centerline of S. Circle Drive and 49.7' south of the pipe fence located at 2009 E. Abrams Street and was installed in July of 2016 and field data calibration and discovery on July 28, 2016.



Field Sketch:



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 131	Surveyor: Wayne C. Terry, RPLS LSLS	
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap		
1. Conca Dr	West	124	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>		
			Combined Factor: 0.999887659	Date: 2017/03/02	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
AR 132	80° 19' 22"	3,082.40'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	389,432.38 2,136,017.26	600.91



FACING EAST



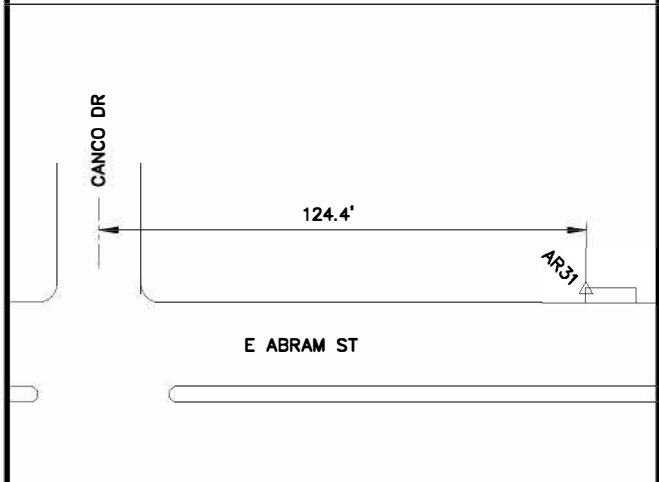
FACING NORTH

NAD83(2007) Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	389,432.38 2,136,017.26	600.91
NAD83 (2007) Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6,953,916.30 E: 2,411,890.66	600.91
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
Latitude: 32°44'11.28971" North Longitude: 97°03'28.55236" West Ellipsoid Height: 511.65'		0.004' 0.005' 0.012'

Arlington Aluminum Disk stamped AR 131 Located on the northwest corner of a curb inlet on the north side of E Abram Street approximately 124' feet east of Conca Drive.

Mapco 84-K

FIELD SKETCH



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 132	Surveyor: Wayne C. Terry, RPLS LSLs
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap	
1. Cox Street	East	120	Survey Method: <input checked="" type="checkbox"/> GPS/GNSS <input type="checkbox"/> TRAV <input type="checkbox"/> OTHER	
			Combined Factor: 0.999887534	
			Date: 2017/03/02	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 131	260° 19' 22"	3,082.40'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 389,921.58 2,139,060.59 584.81



FACING EAST



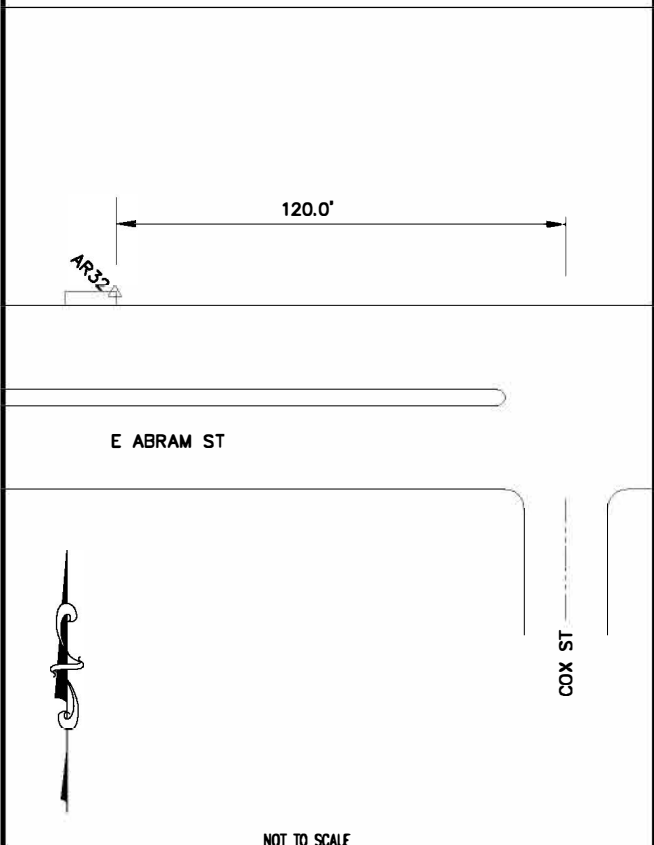
FACING NORTH

NAD83(2007) Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	389,921.58 2,139,060.59	584.81
NAD83(2007) Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6,954,434.44 E: 2,414,929.21	584.81
Geodetic Data	Position: <input type="checkbox"/> NAD27 <input checked="" type="checkbox"/> NAD83 (2007)	Standard Deviation
	Latitude: 32°44'16.00237" North Longitude: 97°02'52.89620" West Ellipsoid Height: 495.63	0.007' 0.006' 0.015'

Arlington Aluminum Disk stamped AR 132 Located on the northeast corner of a curb inlet on the north side of E Abram Street approximately 120' feet west of the center of Cox Street.

Mapsc0 84-L

FIELD SKETCH



CITY OF ARLINGTON GPS DATA SHEET

Station Name: AR133	Date: OCTOBER 5, 2017	Adjusted Horizontal Control Data
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Monument Type: BERNTSEN TOP SECURITY	Horizontal Order: Second	Survey Method: GPS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>
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City: Arlington	County: Tarrant	State: TX	Combined Scale Factor: 0.99986341636
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Surveyor: Rick Hickman	NAD 27 Grid Data	Coordinates (U.S. Survey Feet)
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Project Name: City of Arlington GPS Network	State: Texas	N:	NAVD88 GEOID 12B Elev. (Feet)
	Zone: North Central	E:	
	Code: 4202		

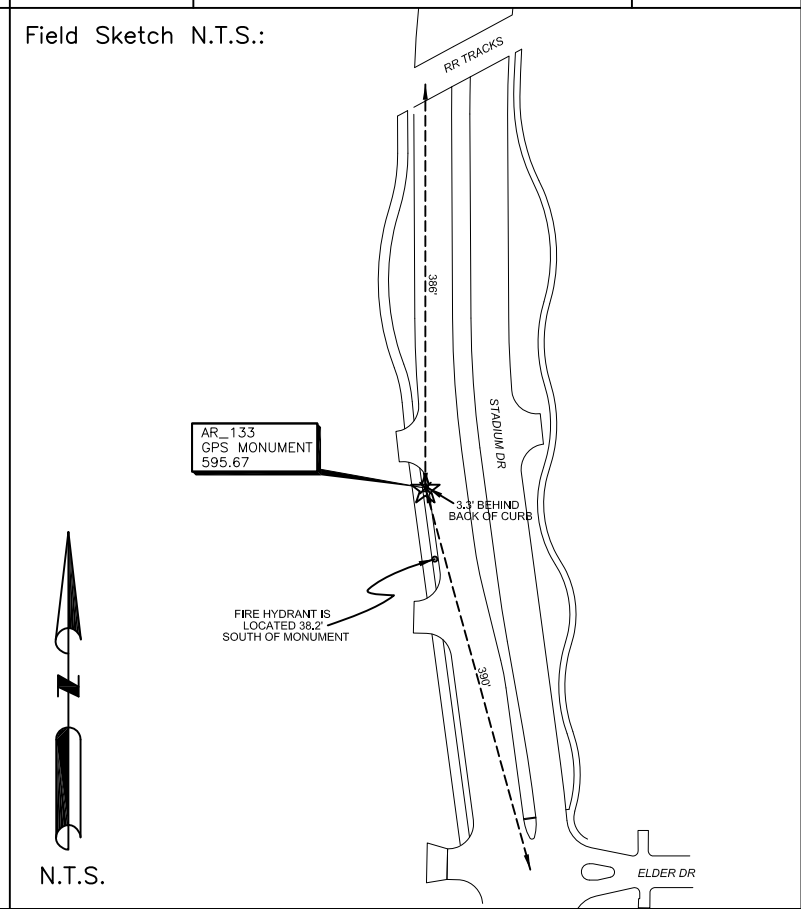
Distances & Directions To Prominent & Reference Marks			NAD 83 Grid Data	Coordinates (U.S. Survey Feet)
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Reference Point	Direction	Distance (feet)	State: Texas	Zone: North Central	Code: 4202	N: 6,954,336.072	E: 2,403,838.297	NAVD88 GEOID 12B Elev. (Feet)
CL STADIUM DR & ELDER DR	SOUTH	390'						595.67'
FIRE HYDRANT	SOUTH	38.2'						
CL RR TRACKS @ STADIUM DR	NORTH	386'						

			Metric Conversion Factor: 3.280833333		
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Azimuth Mark	Azimuth	Distance	Geodetic Data	Position NAD 27 <input type="checkbox"/> NAD 83 <input checked="" type="checkbox"/>	Standard Deviation
AR134	04°00'03"	872.55'		Latitude: 32° 44' 16.52701" North Longitude: 97° 05' 02.75589" West Ellipsoid Height: 506.19'	SD N=0.0054' SD E=0.0048' SD H=0.0132'

Description of point:
 AR133 is a Top Security GPS Berntsen 3" Dimensional Rod Monument System aluminum disk in covered cap with a 2' x 2' square concrete pad around the monument installed by JLB that is located 3.3' behind the curb along the west side of Stadium Drive. Monument is approximately 390' north of the centerline of the intersection of Stadium Drive and Elder drive, 386' south of the centerline of the railroad tracks at Stadium Drive, and 38.2' north of a fire hydrant and was installed in August of 2017 and field data calibration and discovery on September 14, 2017.



CITY OF ARLINGTON GPS DATA SHEET

Station Name: AR134	Date: OCTOBER 5, 2017	Adjusted Horizontal Control Data
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Monument Type: BERNTSEN TOP SECURITY	Horizontal Order: Second	Survey Method: GPS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>
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City: Arlington	County: Tarrant	State: TX	Combined Scale Factor: 0.99986341636
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Surveyor: Rick Hickman	NAD 27 Grid Data	Coordinates (U.S. Survey Feet)
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Project Name: City of Arlington GPS Network	State: Texas	N:	NAVD88 GEOID 12B Elev. (Feet)
	Zone: North Central	E:	
	Code: 4202		

Distances & Directions To Prominent & Reference Marks

Reference Point	Direction	Distance (feet)	NAD 83 Grid Data	Coordinates (U.S. Survey Feet)	NAVD88 GEOID 12B Elev. (Feet)
CL STADIUM DR & DIVISION ST	NORTH	472'	State: Texas	N: 6,955,206.495	NAVD88 GEOID 12B Elev. (Feet)
BC ● STADIUM	EAST	21.5'	Zone: North Central	E: 2,403,899.176	585.83'
CL RR TRACKS ● STADIUM DR	SOUTH	492.5'	Code: 4202		
2" OAK TREE ● TRAIL INTERSECTION	NORTH	13.5'			

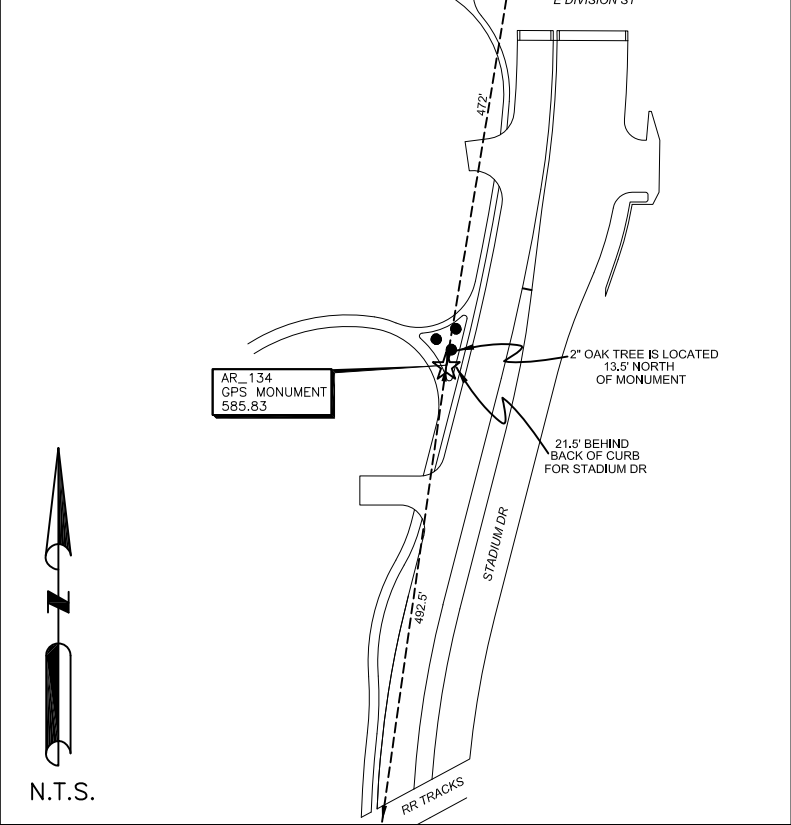
Azimuth Mark	Azimuth	Distance	Geodetic Data	Position NAD 27 <input type="checkbox"/> NAD 83 <input checked="" type="checkbox"/>	Standard Deviation
AR133	184°00'03"	872.55'		Latitude: 32° 44' 25.13136" North Longitude: 97° 05' 01.90578" West Ellipsoid Height: 496.34'	SD N=0.0044' SD E=0.0040' SD H=0.0107'

Description of point:

AR134 is a Top Security GPS Berntsen 3" Dimensional Rod Monument System aluminum disk in covered cap with a 2' x 2' square concrete pad around the monument installed by JLB that is located at the intersection of a walking trail west of Stadium Drive. Monument is approximately 21.5' west of the back of curb of Stadium Drive, 472' south of the centerline of E. Division Street and Stadium Drive, 492.5' north of the centerline of the railroad tracks at Stadium Drive, 13.5' south of a 2" oak tree and was installed in August of 2017 and field data calibration and discovery on September 14, 2017.



Field Sketch N.T.S.:



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks		
Reference Mark	Direction	Distance (Feet)
Metal Expansion Cover	East	0.5'
Concrete Barricade Wall	North	3.2'
Light Pole	West	34.0'
Azimuth Mark	Grid Azimuth	Grid Distance
AR-35	352°14'59"	4,653.41

Station Name: AR135 **Surveyor:** Gregg A.E. Madsen, RPLS

Type: City of Arlington Aluminum Disk In Concrete

Survey Method: GPS/ GNSS TRAV OTHER

Combined Factor: 0.9998651597 **Date:** 2017/12/28

NAD27 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 12A
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 388993.52 E: 2125994.46	563.05

NAD83(2011) Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 12A
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6953381.48 E: 2401871.18	563.05

Geodetic Data	Position: NAD27 NAD83 (2011) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 44' 07.34344" North Longitude: 97° 05' 25.93540" West Ellipsoid Height: 473.53'	0.003' 0.008' 0.006'

City of Arlington Aluminum Disk stamped AR 135 set in concrete sidewalk along the south line of East Abram Street on the west embankment of the bridge over Johnson creek 0.5' west of metal expansion cover, 3.2' south of concrete barricade wall and 34.0' east of light pole.

Mapsc0 93- V

PHOTOS



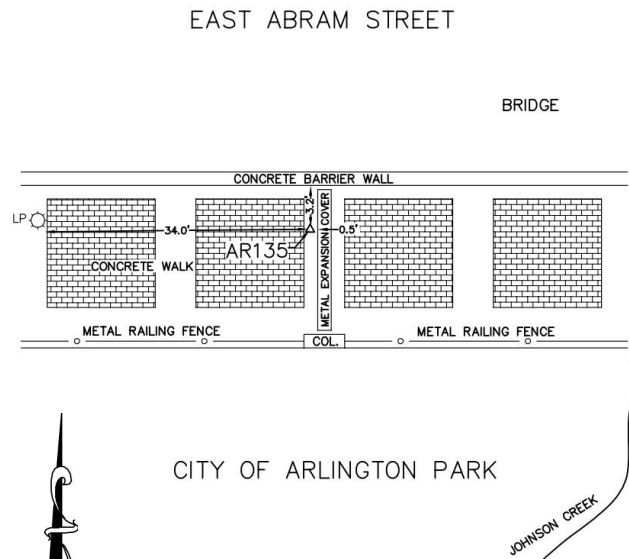
FACING NORTH



FACING WEST



FIELD SKETCH



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR136	Surveyor: Gregg A.E. Madsen, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City of Arlington Aluminum Disk In Concrete	
Centerline of Arnold Ave.	East	41.5'	Survey Method: GPS/ GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
Concrete Retaining Wall	North	4.5'	Combined Factor: 0.9998649630	
Light Pole	West	40.0'	Date: 2017/12/28	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR-35	350°57'38"	3,560.60	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 12A N: 389072.05 E: 2124900.64 566.74

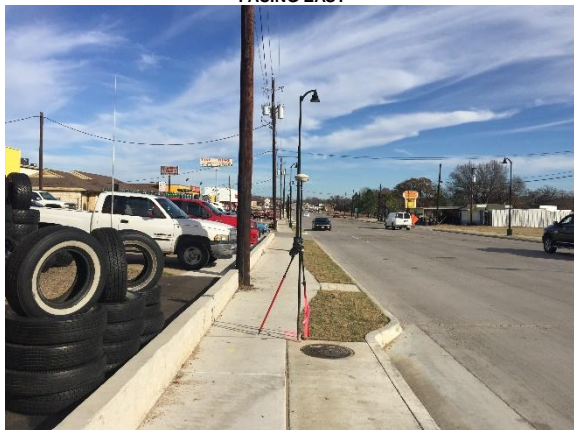
PHOTOS



FACING SOUTH



FACING EAST

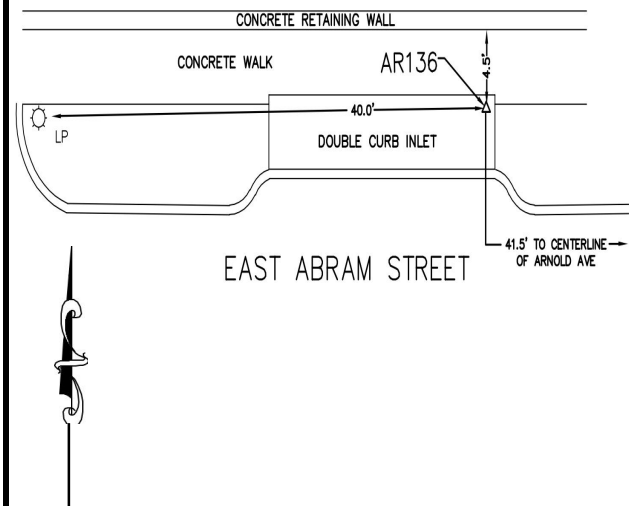


NAD83(2011) Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 12A
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 389072.05 E: 2124900.64	566.74
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6953449.60 E: 2400776.66	566.74
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2011) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 44' 08.16257" North Longitude: 97° 05' 38.73828" West Ellipsoid Height: 477.19'	0.003' 0.007' 0.005'

City of Arlington Aluminum Disk stamped AR 136 set in concrete sidewalk along the north line of East Abram Street in the northeast corner of double curb inlet 41.5' west of intersection of the centerline of Arnold Avenue, 4.5' south of concrete retaining wall, and 40.0' east of light pole.

Mapsco 83- K

FIELD SKETCH



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR139	Surveyor: Blake A. Sudduth, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Disk	
1. Park Springs Rd	Northwest	270	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Factor: 0.999867733	
			Date: 2019/02/14	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet) Computed
AR140	299° 49' 32"	3,675.08'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 381,768.90 E: 2,102,153.11

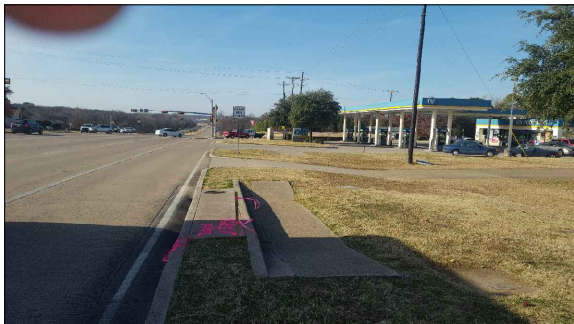


NAD83(2011) Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 12B
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6,945,930.30 E: 2,378,099.50	549.15
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2011) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32°42'56.68579" North Longitude: 97°10'05.33800" West Ellipsoid Height: 459.09	0.011' 0.009' 0.068'

Aluminum Disk stamped "City of Arlington Geodetic Survey Station, AR-139" located on the northeast corner of a curb inlet, on the northeast side of W. Pioneer Parkway, approximately 270' southeast from the intersection of the centerlines of Park Springs Boulevard and W. Pioneer Parkway.

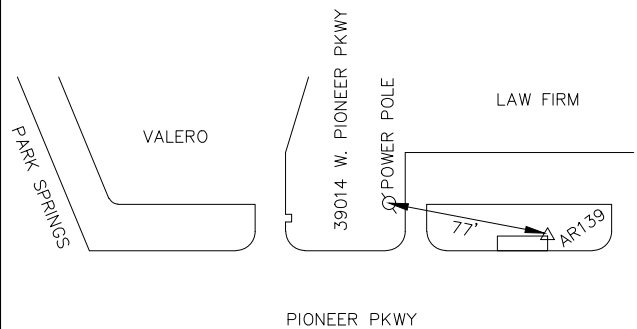


FACING SOUTH

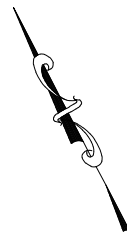


FACING NORTHWEST

FIELD SKETCH



PIONEER PKWY



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR140	Surveyor: Blake A. Sudduth, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Disk	
1. West Green Oaks Blvd	Northwest	1,230	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Factor: 0.999869081	
			Date: 2019/02/14	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet) Computed
AR139	119° 49' 32"	3,675.08'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 383,627.00 E: 2,098,982.38



NAD83(2011) Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 12B
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6,947,758.14 E: 2,374,911.20	510.24
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2011) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32°43'15.17012" North Longitude: 97°10'42.38627" West Ellipsoid Height: 420.09	0.010' 0.008' 0.064'

Aluminum Disk stamped "City of Arlington Geodetic Survey Station, AR-140" located on the southeast corner of a curb inlet, on the southwest side of W. Pioneer Parkway, approximately 1,230' southeast from the intersection of the centerlines of W. Green Oaks Boulevard and W. Pioneer Parkway.

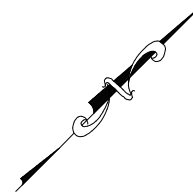
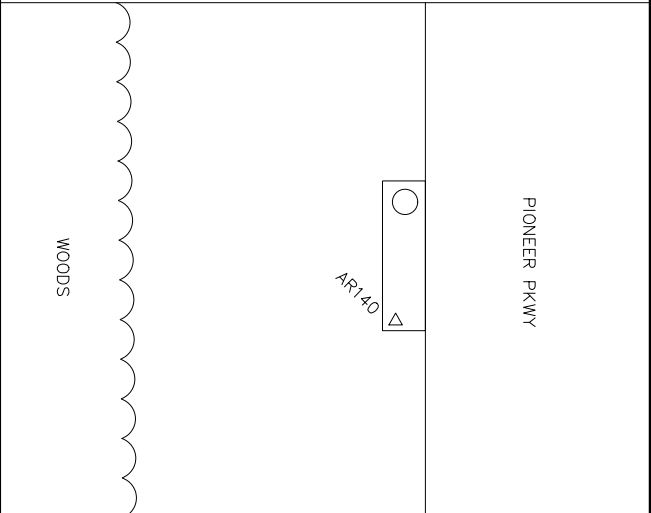


FACING NORTHEAST



FACING WEST

FIELD SKETCH



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: BROWNING Az Mark	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City of Arlington Aluminum Marker in Concrete	
1. Back of Curb	North	8.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Fire Hydrant	Southwest	53.6'	Combined Scale Factor: 0.99986164	
2. 3" Steel Fence Post	South	29.4'	Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
			State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 388980.44 2104926.52 546.50'



FACING SOUTH



FACING WEST

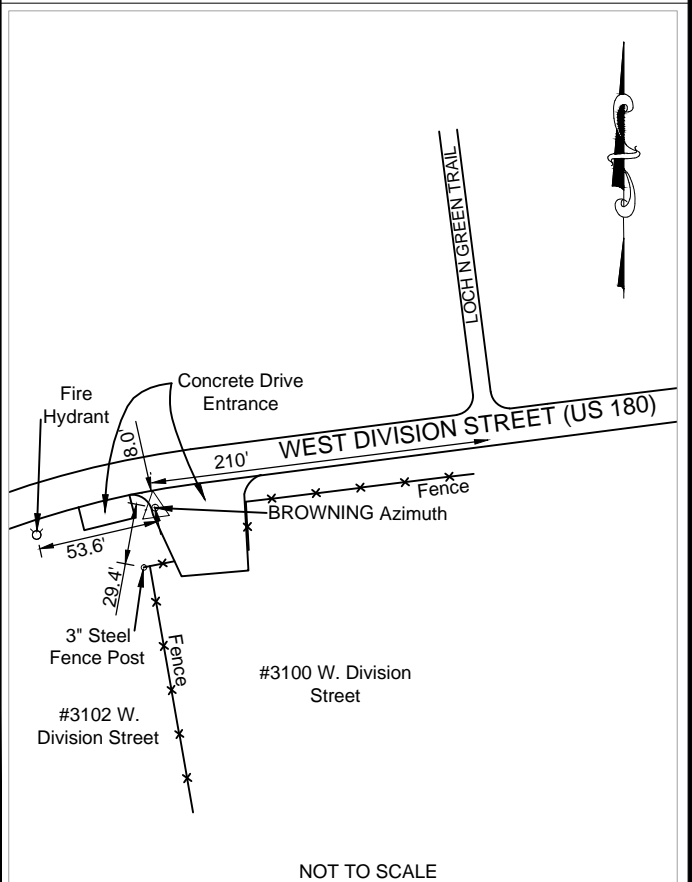
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6953166.75 E: 2380805.21	546.50'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 44' 07.94754" North	0.013'
	Longitude: 97° 09' 32.58795" West	0.012'
	Ellipsoid Height: 456.52'	0.018'

City of Arlington aluminum disk stamped "Browning Azimuth Mark" set in the top of the curb on the west side of the westerly drive entrance to #3100 W. Division Street which is on the south side of the road.

Mapsc0 81-L

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: BROWNING	Surveyor: James B. Gillis, RPLS	
Reference Mark	Direction	Distance (Feet)	Type: U.S. Coast & Geodetic Survey Brass Marker in Concrete		
1. Paved Entrance	East	125'			
2. Division Street	South	81.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>		
			Combined Scale Factor: 0.99986467		
			Date: 2011/10/10		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
Browning Az Mark	246° 53' 27"	666.06'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	389236.02 2105541.60	570.81'



FACING SOUTH



FACING EAST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6953428.17 E: 2381417.83	570.81'

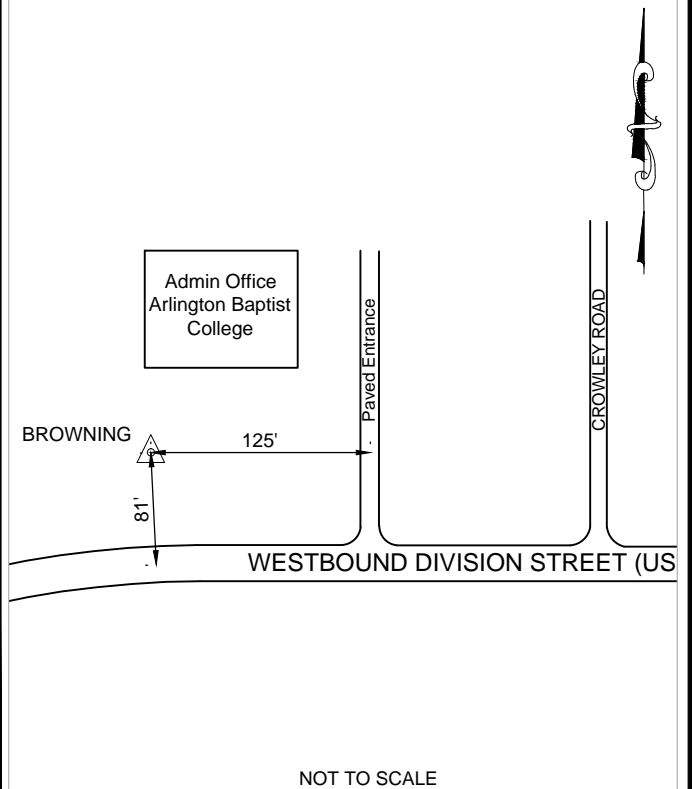
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 44' 10.45679" North Longitude: 97° 09' 25.37682" West Ellipsoid Height: 480.84'	0.008' 0.012' 0.028'

USC & GS Brass Marker stamped "BROWNING 1947" located on the north side of Division Street (US 180) on the south lawn of the Arlington Baptist College administration office. Arlington Baptist College is located 0.1 miles West of Crowley Road. The monument is 125' west of the paved entrance to the college and 81' north of the centerline of the westbound lanes of Division Street.

Mapsc0 81-M

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: CT 1	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Cellular Tower	
			Survey Method: GPS/GNSS <input type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>	
			Combined Scale Factor: 0.99989959	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
				Elevation (Feet) NAVD88 Calculated using Geoid 09
			State: TEXAS Zone: NORTH CENTRAL Code: 4202	



FACING SOUTHEAST



FACING NORTHWEST



FACING NORTHEAST

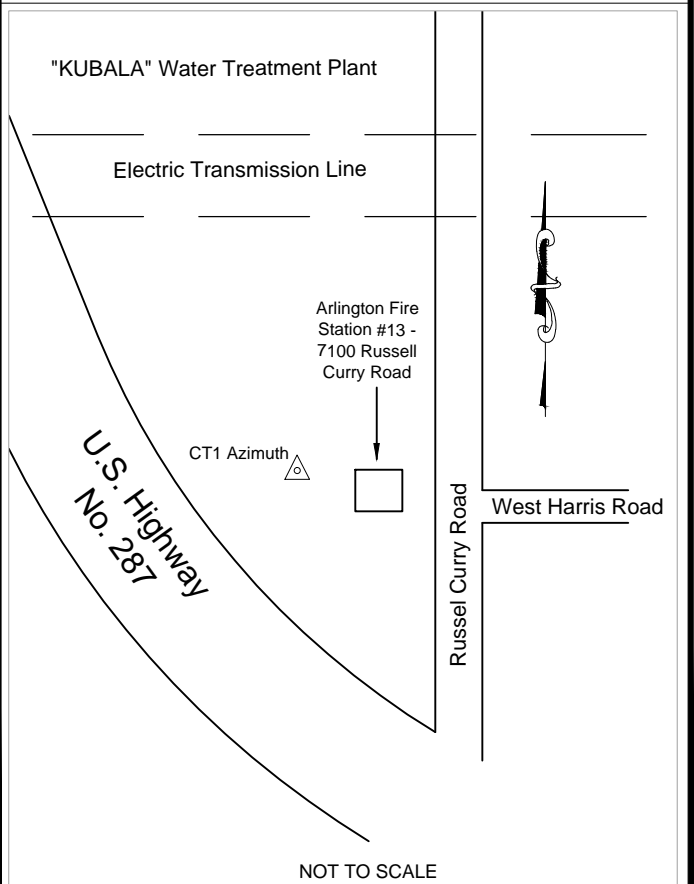
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6914526.02 E: 2377250.46	

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 37' 46.05586" North	0.027'
	Longitude: 97° 10' 19.92170" West	0.020'
	Ellipsoid Height:	

City of Arlington Radio Tower located east of U.S. Highway 287, west of Russell Curry Road, and south of a transmission line and the "Kubala" Water Treatment Plant. Tower is for backsight only. Sight is the flashing red light at the top of the tower.

Mapsco 109-K

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: D 183	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: USC&GS Benchmark	
1. Park Row	South	47.68'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Fielder Road	West	38.10'	Combined Scale Factor: 0.99986243	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 72	355° 45' 40"	1415.14'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 383884.31 2113344.46 647.63'



NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6948150.96 E: 2389271.30	647.63'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 43' 17.23781" North	0.006'
	Longitude: 97° 07' 54.23994" West	0.007'
	Ellipsoid Height: 557.90'	0.017'

USC&GS Benchmark set in concrete, stamped "D183 1952" located at the northeast corner of Fielder Road and Park Row 47.68' north of the north curb line of Park Row and 38.10' east of the east curb line of Fielder Road.

Mapsc0 82-P



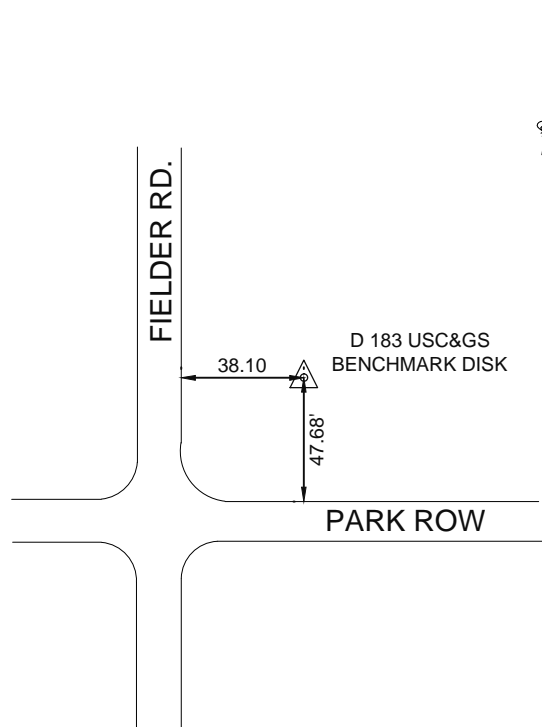
FACING NORTH



FACING WEST

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: GP 01 Az Mark	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker in Concrete	
1. Ft. Worth City Limit Sign	South	27.6'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99986290	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
		-	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 417409.56 2136470.30 472.25'



FACING NORTH



FACING WEST

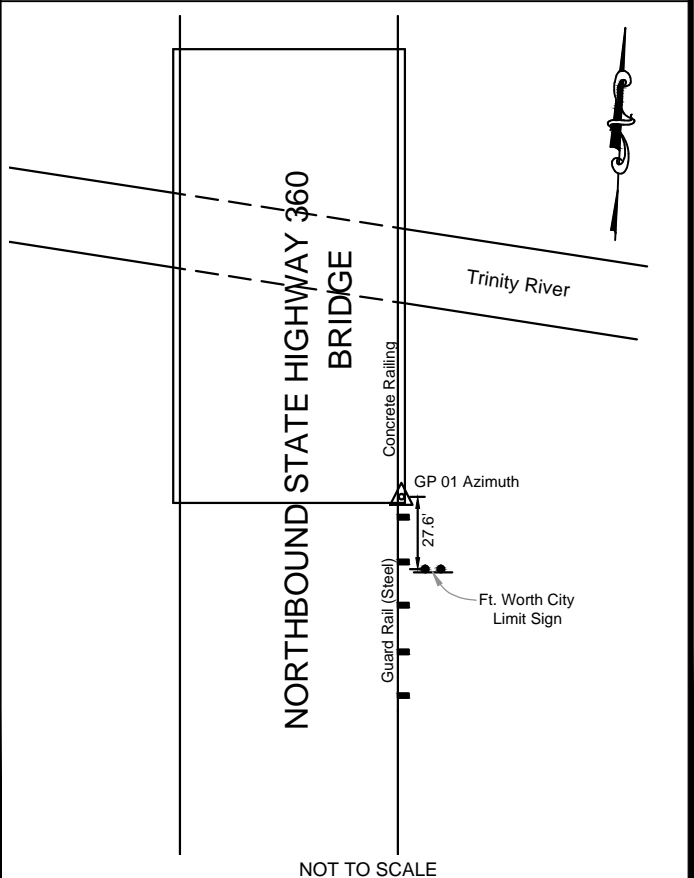
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6981894.94 E: 2412077.07	472.25'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 48' 48.09931" North	0.013'
	Longitude: 97° 03' 21.86785" West	0.001'
	Ellipsoid Height: 382.87'	0.020'

City of Arlington aluminum disk set in the top of the concrete railing which runs along the east side of the Trinity River bridge for northbound State Highway 360. The monument is at the southerly end of the concrete railing and is 27.6' north of a Ft. Worth City Limit Sign.

Mapsc0 56-Y

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: GP 01	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Grand Prairie Aluminum Cap On Rod With Access Cover	
1. OK&T Railroad	Northeast	113.5'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Center Line of Northbound S.H. 360	West	41'	Combined Scale Factor: 0.99986313	Date: 2011/10/10
3. Bollard on Guard Rail	Northwest	21'		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
GP 01 Az Mark	150° 22' 46"	1437.46	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 418665.87 2135771.75 462.38'



FACING NORTH



FACING SOUTH

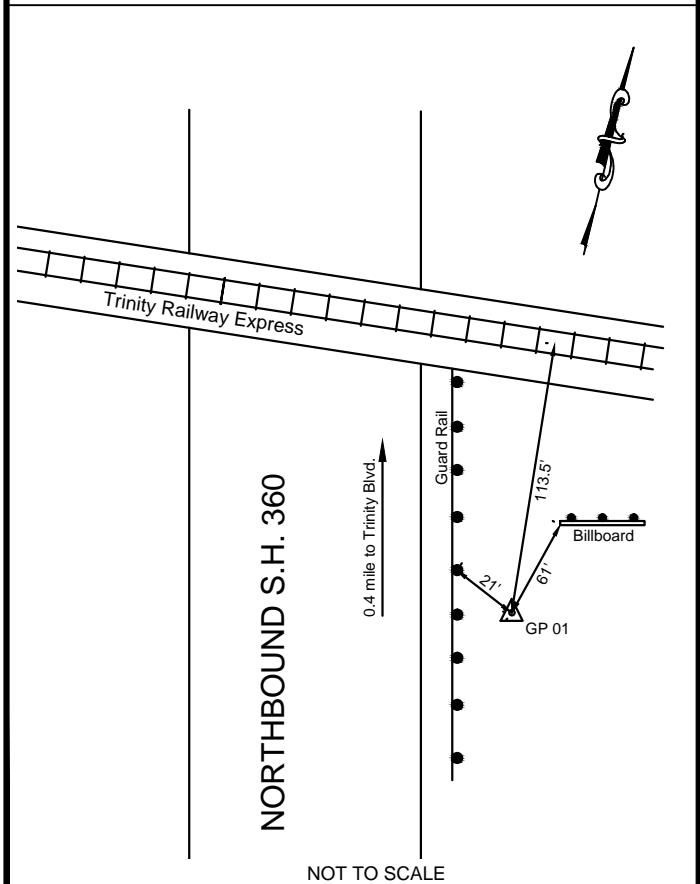
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6983144.55 E: 2411366.59	462.38'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 49' 00.56008" North	0.005'
	Longitude: 97° 03' 29.99165" West	0.005'
	Ellipsoid Height: 372.98'	0.027'

City of Grand Prairie aluminum cap on rod with access cover located in the southwest quadrant of northbound State Highway 360 and Trinity Railway Express. The monument is 41' east of the centerline of northbound State Highway 360, 113.5' south of the centerline of the railroad, 21' southeast of the south end of a guard rail, and 61' southwest of a billboard.

MapSCO 56-T

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: GP 06	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. NB 360 Frontage Road	West	36.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Avenue K	South	89.0'	Combined Scale Factor: 0.99986237	
3. Power Pole	South	15.5'	Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
Top Red Light of City of Arlington Water Tower	252° 15' 43"		State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 403033.01 2134837.00 547.84'



FACING NORTH



FACING SOUTH

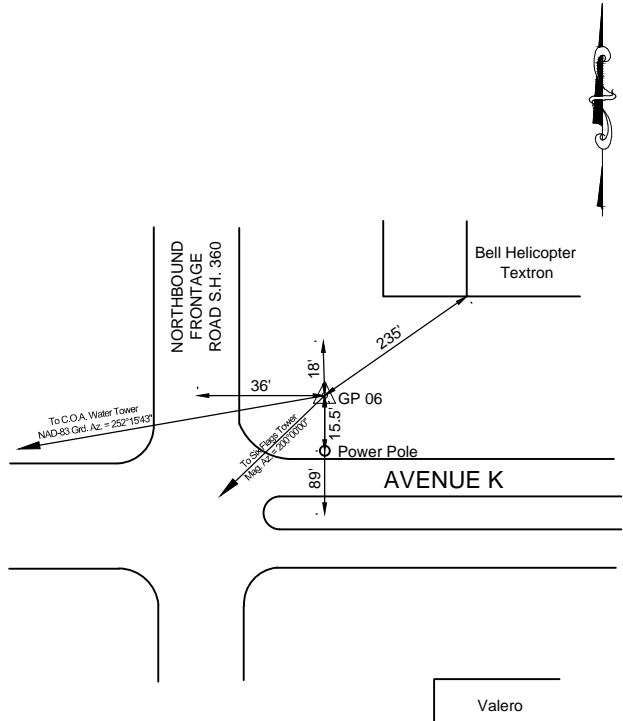
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6967503.47 E: 2410580.73	547.84'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 46' 25.90602" North	0.008'
	Longitude: 97° 03' 41.70971" West	0.008'
	Ellipsoid Height: 458.48'	0.011'

Aluminum cap on rod with access cover at the northeast corner of the intersection of Avenue K and the northbound frontage road of State Highway 360. The station is 36' east of the centerline of said northbound frontage road, 89' north of the centerline of Avenue K, 15.5' north of a power pole, 18' south of a guy wire anchor and 235' west Southwest of the south most southwest corner of the Bell Helicopter Textron Building. AZIMUTH MARK- Red light on top of the City of Arlington Water Tower located at the intersection of Baird Farm Road and Harwell Drive. Mapsco 70-P

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: GP 07 Az Mark	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
1. Avenue H	North	500'±	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Concrete Wing Wall	Northwest	18.0'	Combined Scale Factor: 0.99986326	
3. South End of Guard Rail	Southeast	59.5'	Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
			State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 398107.89 2142370.49 553.47'



NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6962650.24 E: 2418160.74	553.47'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 45' 36.85000" North	0.011'
	Longitude: 97° 02' 13.724063" West	0.006'
	Ellipsoid Height: 464.33'	0.028'

City of Arlington aluminum marker in concrete located on the west side of Duncan Perry Road on the north side of the bridge over IH 30. The azimuth mark is 500'± south of Avenue H, 59.5' northwest of the south end of a guard rail, and 18' southeast of the northeast corner of a concrete wing wall for a drainage culvert.

Dallas Mapsco 41-W

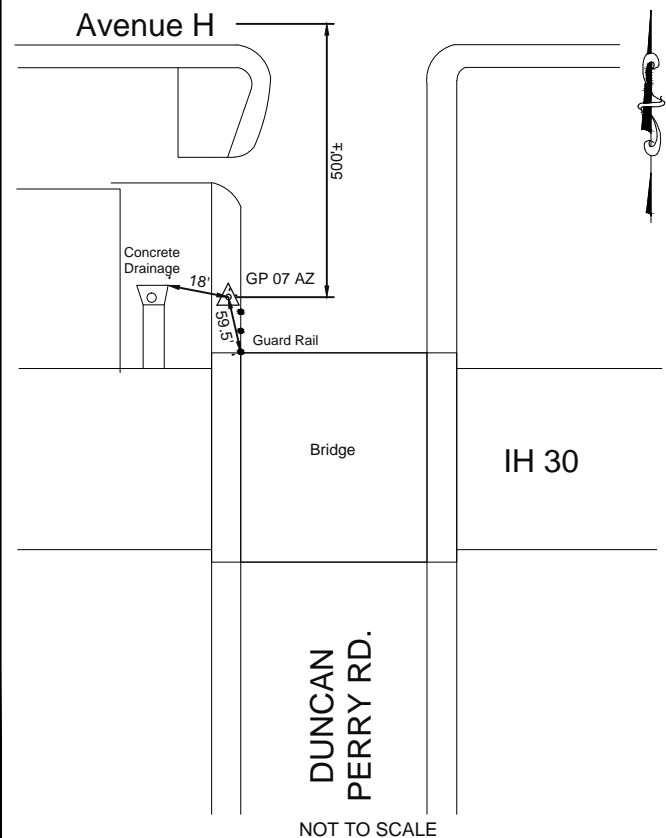


FACING SOUTH



FACING WEST

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: GP 07	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Duncan Perry Road	West	52.0'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. East Avenue H	South	28.5'	Combined Scale Factor: 0.99986328	
3. Fire Station #4	North	30.5'	Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
GP 07 Az Mark	187° 23' 24"	456.68'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 398560.20 2142433.54 550.87'



FACING NORTH



FACING WEST

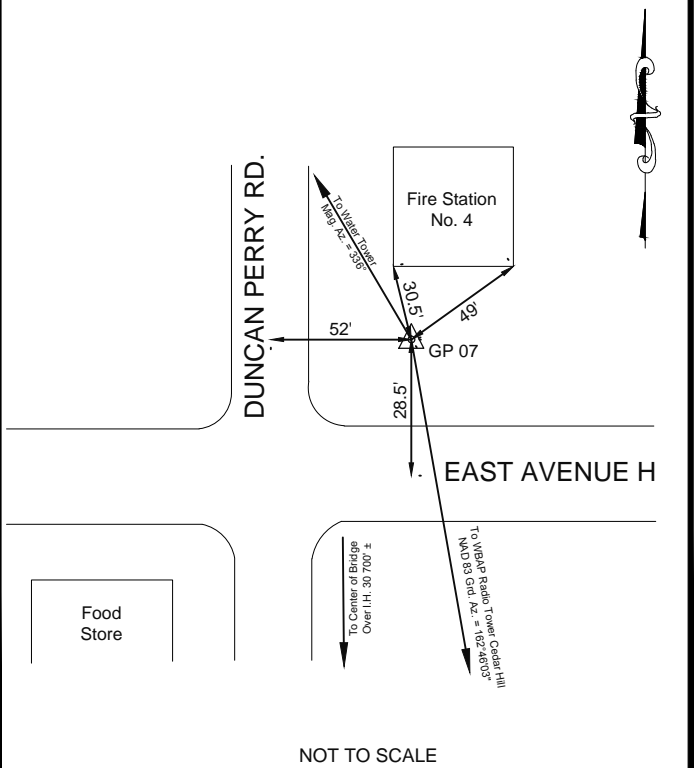
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6963103.13 E: 2418219.48	550.87'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 45' 41.32302" North	0.014'
	Longitude: 97° 02' 12.96291" West	0.008'
	Ellipsoid Height: 461.74'	0.016'

Aluminum cap on road with access cover set in the northeast quadrant of East Avenue H and Duncan Perry Road. To reach the station from the center of the Duncan Perry Road bridge over Interstate Highway 30, go north 700' to the station at the northeast corner of the intersection of Duncan Perry Road and East Avenue H. The station is 52' east of the centerline of East Avenue H, 30.5' south of the southwest corner of Fire Station Number 4 and 49' southwest of the southeast corner of said Fire Station Number 4.
Dallas Mapsco 41-W

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: GP 14 Az Mark	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
1. Pioneer Parkway	South	226'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Parking Lot Entrance	North	35'	Combined Scale Factor: 0.99986759	
3. Telephone Pedestal	Southeast	6'	Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
			State: TEXAS Zone: NORTH CENTRAL Code: 4202	380684.20 2140486.28



NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	380684.20 2140486.28	558.34'
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6945209.33 E: 2416442.46	558.34'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 42' 44.51691" North Longitude: 97° 02' 36.67766" West Ellipsoid Height: 469.26'	0.005' 0.006' 0.023'

City of Arlington aluminum marker in concrete located in the northeast corner of an inlet in the northwest quadrant of Great Southwest Parkway and Pioneer Parkway. The azimuth mark is 226' north of the centerline of Pioneer Parkway, 35' south of the south entrance into a parking lot and 6' northeast of a telephone pedestal.

Mapsc0 84-V

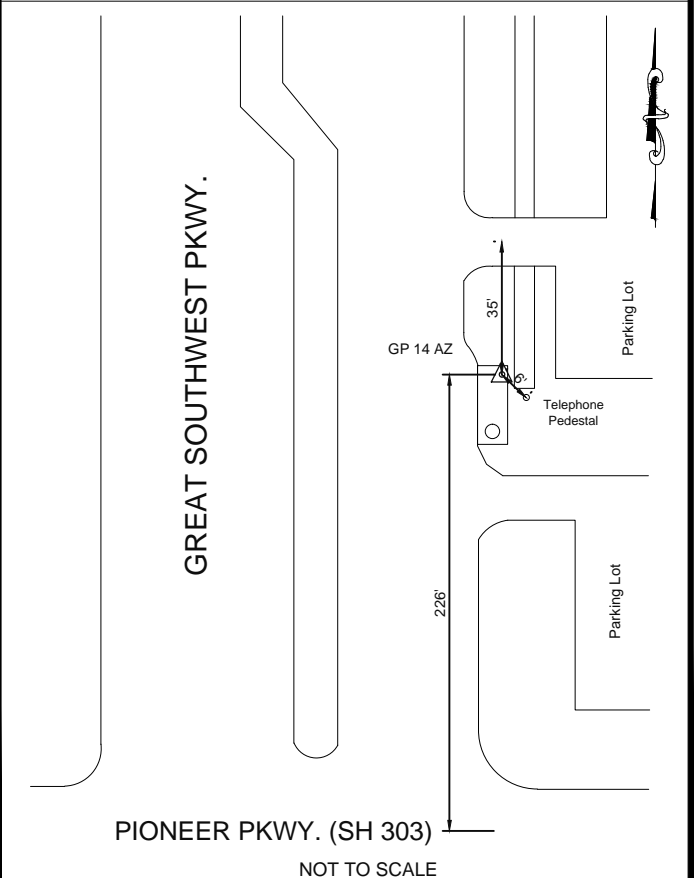


FACING SOUTH



FACING EAST

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: GP 17 AZ	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
1. GP 17	West	520'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Fire Hydrant	West	39'	Combined Scale Factor: 0.99987061	
3. Sign	East	22'	Date: 2011/07/01	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)

Elevation (Feet) NAVD88 Calculated using Geoid 09	367631.07 2137474.74	576.25'
State: TEXAS Zone: NORTH CENTRAL Code: 4202		
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202		
Coordinates N: 6932128.08 E: 2413555.29		576.25'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>		Standard Deviation
	Latitude:	32° 40' 35.47853" North	0.006'
	Longitude:	97° 03' 12.57692" West	0.007'
	Ellipsoid Height:	487.17'	0.025'

City of Arlington aluminum marker in concrete located on the south side of the IH 20 eastbound access road, 520' east of GP 17. The monument is 39' east of a fire hydrant and 22' west of a sign.

Mapsc0 98-Q

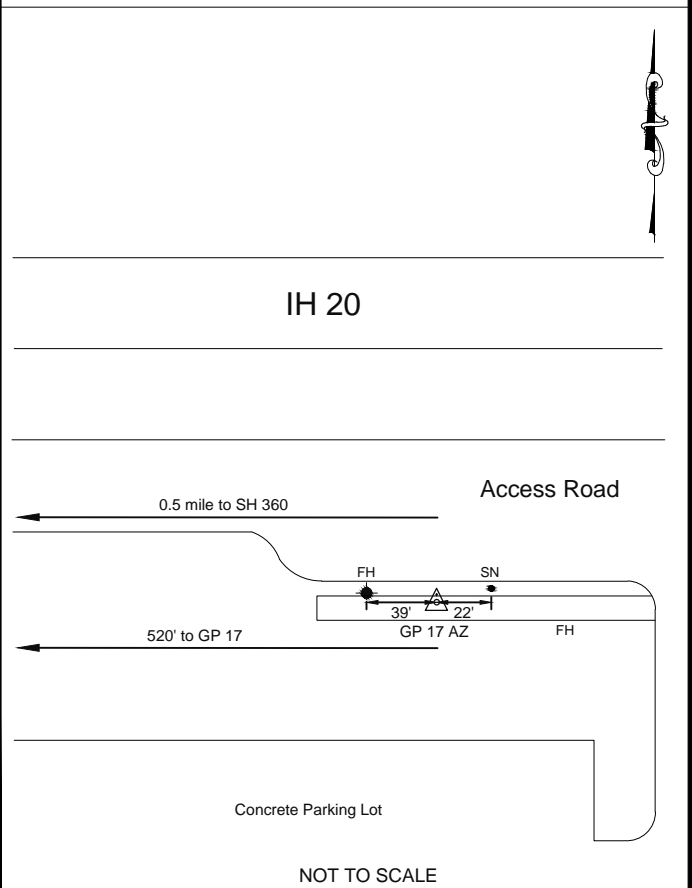


FACING NORTH



FACING EAST

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: GP 17	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. EB IH 20 Service Road	North	35.5'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Power Pole	West	9.5'	Combined Scale Factor: 0.99987061	Date: 2011/10/10
3. Billboard	Southeast	98.0'		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
GP 17 Az Mark	92° 04' 41"	523.07'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 367655.01 2136952.22 576.13'



FACING SOUTH



FACING EAST

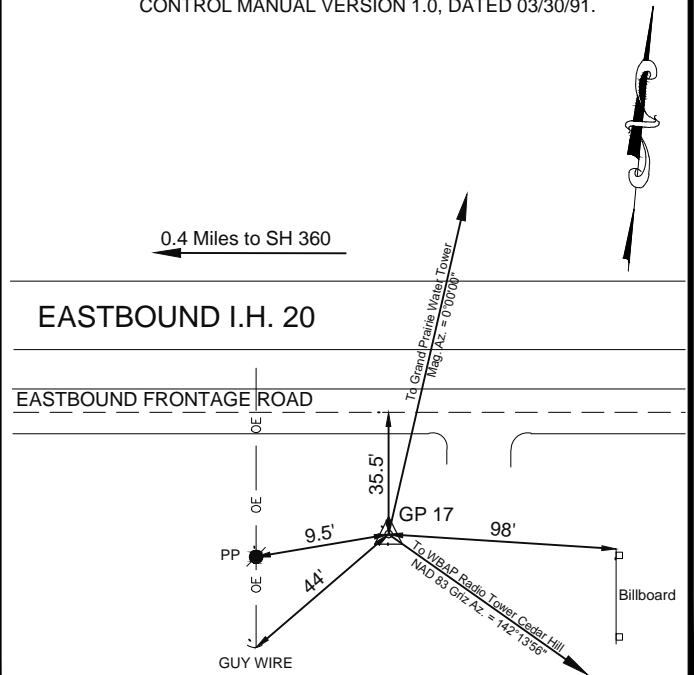
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6932147.04 E: 2413032.56	576.13'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 40' 35.73739" North	0.008'
	Longitude: 97° 03' 18.68935" West	0.012'
	Ellipsoid Height: 487.04'	0.036'

Aluminum cap on rod with access cover. To reach the station from the intersection of Bardin Road and the northbound frontage road of State Highway 360, go north along the frontage road, which turns east and becomes the eastbound frontage road for Interstate Highway 20. Go 0.4 miles to the station on the right. The station is 35.5' south of the centerline of the eastbound frontage road, 9.5' east-northeast of a power pole with a T.H.D. monument, 1.5' north of said pole, 44' northeast of a guy wire anchor and 98' northwest of the north leg of a billboard sign. Mapsco 98-Q

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: GP 20 Az Mark	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: City Of Arlington Aluminum Marker In Concrete	
1. Edinburgh St.	South	100'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Inlet	Southwest	57'	Combined Scale Factor: 0.99987403	Date: 2011/10/10
3. Do Not Enter Sign	Southeast	38'		
Azimuth Mark	Grid Azimuth	Grid Distance		



FACING NORTH



FACING EAST

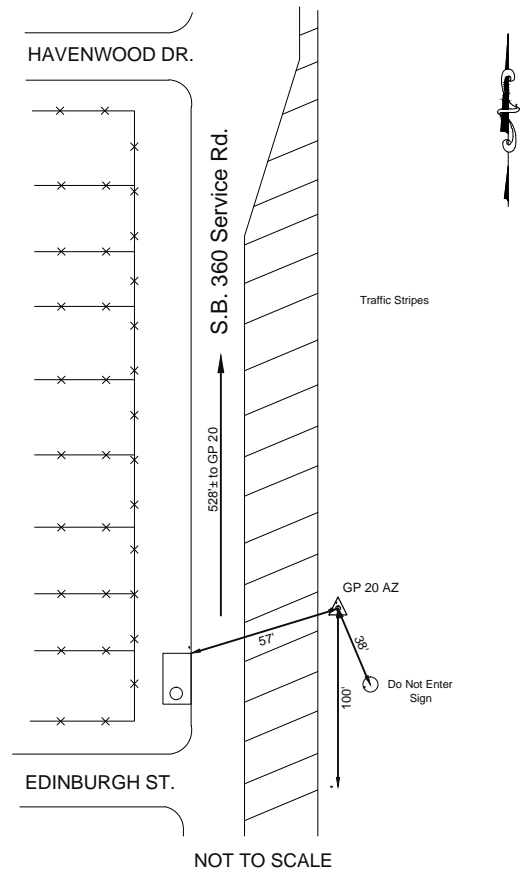
NAD27 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	359154.94 2134791.70	561.61'
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6923626.76 E: 2410953.04	561.61'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 39' 11.71510" North	0.010'
	Longitude: 97° 03' 44.38223" West	0.007'
	Ellipsoid Height: 472.51'	0.038'

City of Arlington aluminum marker in concrete located on the east side of the southbound SH 360 service road between Havenwood Drive and Edinburgh Street. The azimuth mark is 100' north of the centerline of Edinburgh Street, 57' northeast of a storm drain inlet, and 38' northwest of a "Do Not Enter" sign.

Mapsc0 98-X

FIELD SKETCH



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: GP 20	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Marker In Concrete	
1. Watson Road	East	135.8'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Havenwood Drive	South	29.9'	Combined Scale Factor: 0.99987371	
3. Inlet	Southwest	10.0'	Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
GP 20 Az Mark	169° 36' 32"	580.88'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	359727.26 2134692.37
			State: TEXAS Zone: NORTH CENTRAL Code: 4202	564.42'



FACING SOUTH



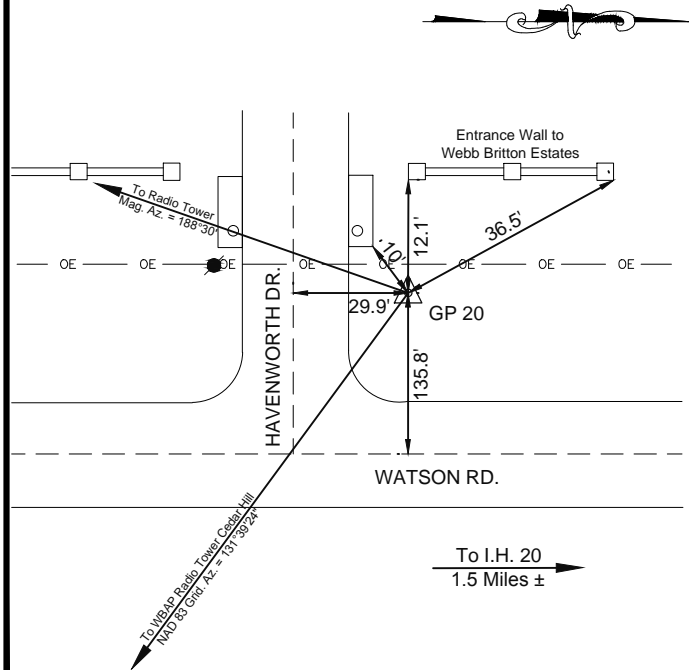
FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	359727.26 2134692.37	564.42'
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6924198.11 E: 2410848.27	564.42'
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
Latitude: 32° 39' 17.38260" North		0.004'
Longitude: 97° 03' 45.51622" West		0.005'
Ellipsoid Height: 475.32'		0.018'

Aluminum marker set in concrete. From the intersection of Interstate 20 and State Highway 360, go south along State Highway 360 which becomes Watson Road, 1.5 miles to the intersection of Watson Road and Havenwood Drive, turn right on Havenwood Drive, and go west 135.8' to the station on the right. Station is 135.8' west of the centerline of Watson Road, 29.9' north of the centerline of Havenwood Drive, 10.0' northeast of the northeast corner of a 10' curb drainage inlet and 12.1' east of the southeast corner of south column of the entrance wall to Webb Britton Estates. Mapsco 98-X

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: H 98	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: USC&GS Benchmark	
1. Cooper Street	West	505.9'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. South Rail of UPRR	South	6.2'	Combined Scale Factor: 0.99986164	Date: 2011/10/10
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 35	91° 05' 56"	3309.23'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 389760.98 2118080.95 631.18'



FACING SOUTH



FACING EAST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6954072.47 E: 2393951.66	631.18'

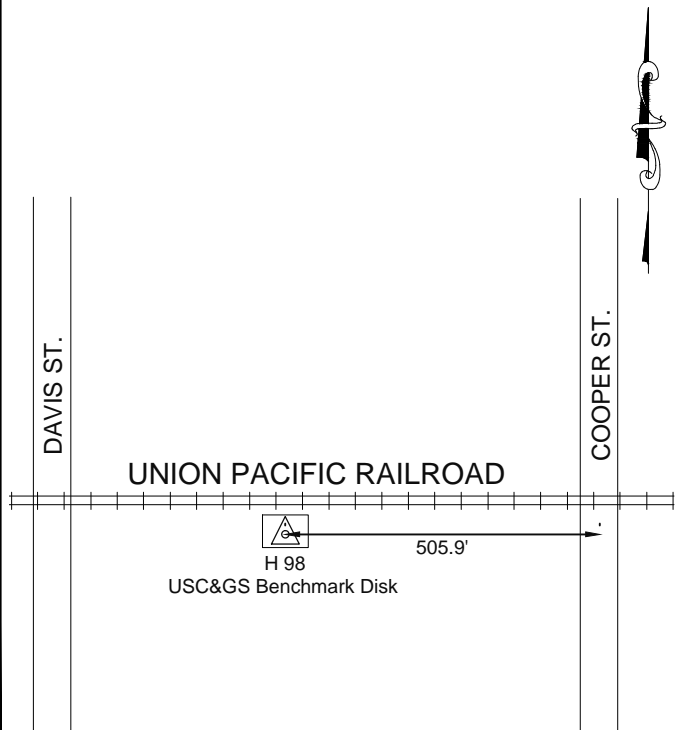
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 44' 15.22232" North	0.007'
	Longitude: 97° 06' 58.54261" West	0.008'
	Ellipsoid Height: 541.52'	0.010'

USC&GS Benchmark stamped "H-98 1951" set in a concrete slab on the south side of the Union Pacific Railroad between Cooper Street and Davis Street, 6.2' south of the south rail and 505.9' west of the centerline of Cooper Street.

MapSCO 82-H

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: L 98	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: USC&GS Benchmark	
1. South Rail of UPRR	North	9.2'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. South Collins Street	West	111.9'	Combined Scale Factor: 0.99986379	
			Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 35	272° 30' 27"	2633.82'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 389525.77 2124018.89 587.70'



FACING NORTH



FACING WEST

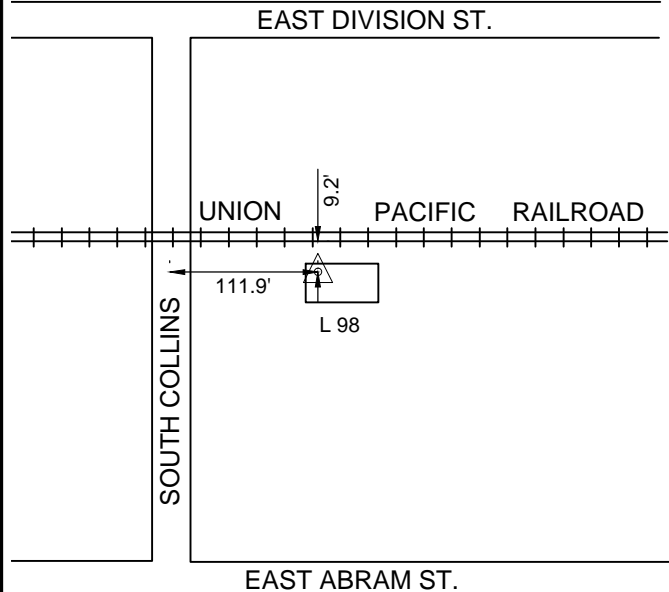
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6953893.78 E: 2399891.58	587.70'
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 44' 12.67465" North	0.007'
	Longitude: 97° 05' 49.03047" West	0.004'
Ellipsoid Height: 498.15'		0.017'

Standard USC&GS Benchmark stamped "L 98 1951" set in the northwest corner of a concrete slab, 9.2' South of the south rail of the UPRR and 111.9' east of the centerline of South Collins Street.

Mapsco 83-F

FIELD SKETCH

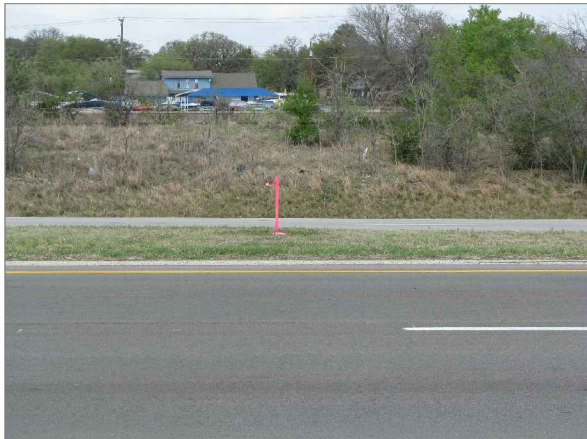
NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: TR 27	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Corps of Engineers Survey Mark	
1. P.K. Nail in Power Pole	N 29° W	77.05'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. P.K. Nail in Power Pole	N 70° W	318.73'	Combined Scale Factor: 0.99986481	
3. P.K. Nail in Power Pole	S 80° W	293.60'	Date: 2011/10/10	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
TR 28	280° 37' 37"	3048.39'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 386598.51 2089870.99 582.62'



FACING NORTH



FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6950641.61 E: 2365772.97	582.62'

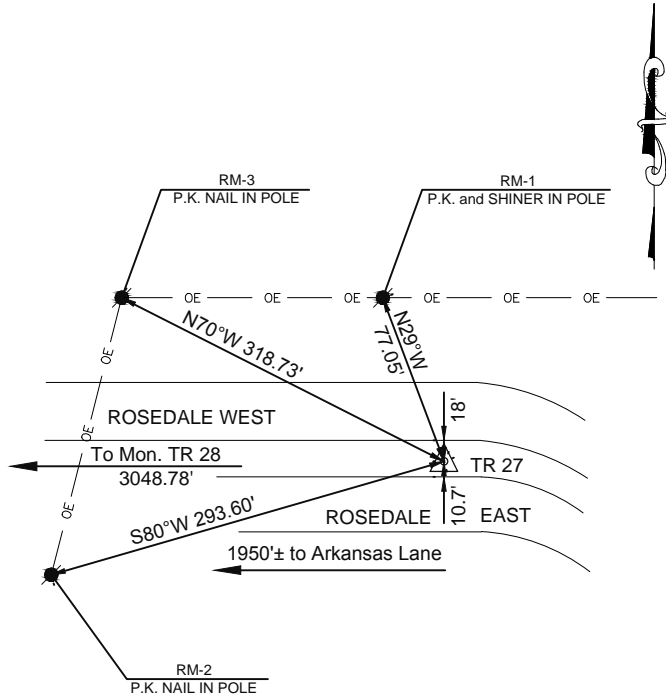
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 43' 44.82603" North	0.006'
	Longitude: 97° 12' 28.93609" West	0.004'
	Ellipsoid Height: 492.29'	0.021'

Corps of Engineers survey mark set in Tarrant County, within the city limits. To get to the monument from the intersection of Interstate Highway 820 (East Loop 820 South) and Rosedale Street, proceed east on Rosedale Street 1.0 mile to a monument on the left, within the median. The monument is 293.60' northeast of a P.K. nail in the northeast face of a power pole on the south side of Rosedale, 318.73' southeast of a P.K. nail in the southeast face of a power pole on the north side of Rosedale, and 77.05' southeast of a shiner in the southeast face of a power pole on the north side of Rosedale.

FIELD SKETCH

Mapsc0 80-K

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: TR 28	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Corps of Engineers Survey Mark	
1. P.C. in median curb	South 65° East	27.10'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. One way sign post	East	24.25'	Combined Scale Factor: 0.99986451 Date: 2011/10/10	
3. P.K. nail in power pole	South 40° East	102.10'		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
TR 27	100° 37' 37"	3048.39'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 387189.17 E: 2086880.38 Elevation (Feet) NAVD88 Calculated using Geoid 09 585.61'

PHOTOS



MARKER



FACING EAST



FACING WEST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6951203.78 E: 2362776.87	585.61'

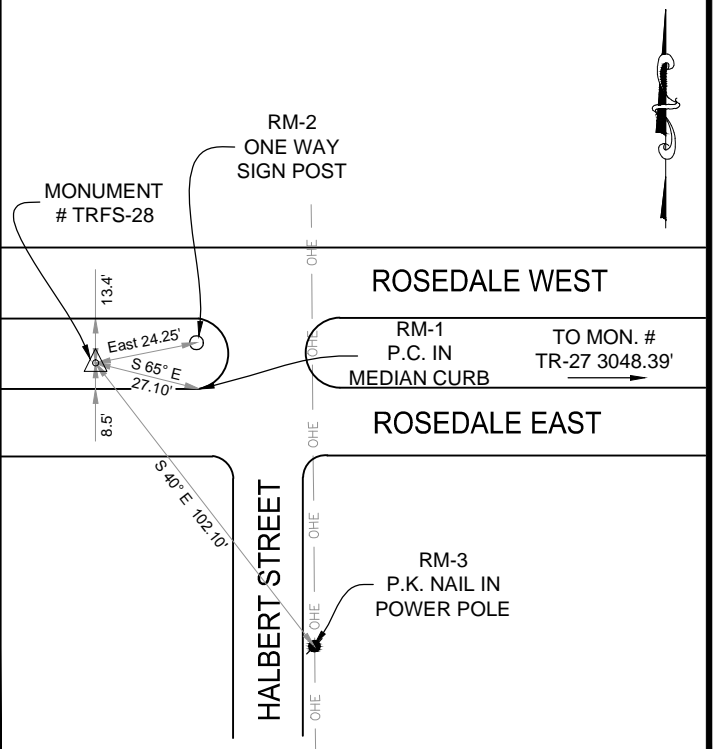
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 43' 50.75176" North Longitude: 97° 13' 03.92906" West Ellipsoid Height: 495.21'	0.003' 0.010' 0.016'

Corps of Engineers survey mark set in Tarrant County, within the Fort Worth City Limits. To get to the monument, from the intersection of Interstate Highway #820 (East Loop 820 South) and Rosedale Street, proceed East on Rosedale Street, 0.5 miles to a monument on the left, within the median. The monument is 24.25' west of a one way sign post and 102.1' northwest of a P.K. nail set in the northwest face of a power pole in the southeast quadrant of Rosedale St. and Halbert St.

Mapsco 80-J

FIELD SKETCH

NOTE: SKETCH COPIED FROM CITY OF ARLINGTON GPS NETWORK CONTROL MANUAL VERSION 1.0, DATED 03/30/91.



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: TX 02	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Cap On Rod With Access Cover	
1. Eastbound IH 30	North	135'	Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Six Flags Drive	South	450'	Combined Scale Factor: 0.99986391	Date: 2011/10/10
3. S.H. 360 Frontage Road	West	470'		
Azimuth Mark	Grid Azimuth	Grid Distance		
AR 77	269° 12' 03"	4456.92'		



FACING NORTH



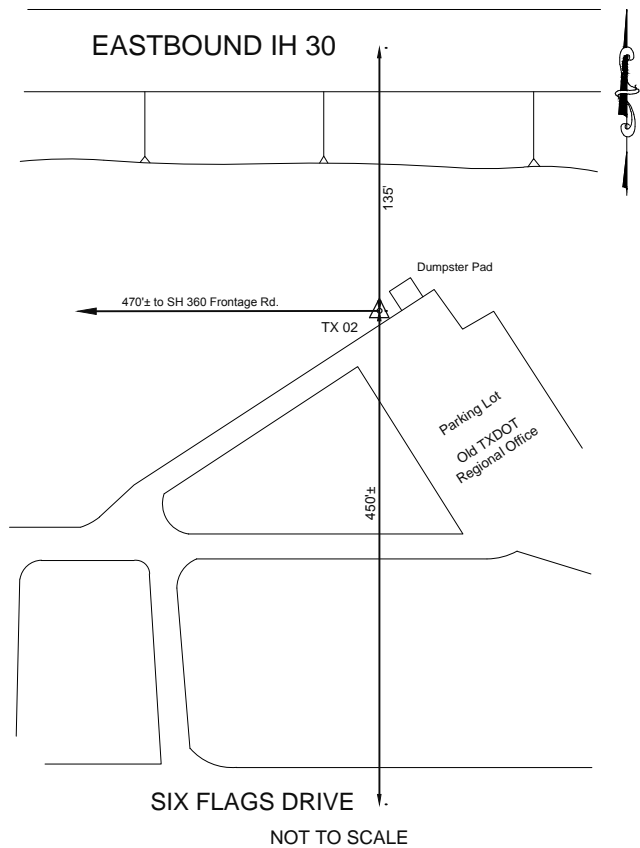
FACING WEST

NAD27 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	397673.36 2134908.34	542.16'
NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6962144.70 E: 2410703.04	542.16'
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 45' 32.86696" North Longitude: 97° 03' 41.13676" West Ellipsoid Height: 452.86'	0.007' 0.006' 0.010'

Aluminum cap on rod with access cover located on the north side of the old TXDOT regional office parking lot. The monument is 135' south of the centerline of eastbound IH 30, 450' north of the centerline of Six Flags Drive, and 470' east of the centerline of the northbound frontage road of SH 360.

Mapsc0 70-X

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: TX 03	Surveyor: James B. Gillis, RPLS
Reference Mark	Direction	Distance (Feet)	Type: TXDOT Marker Set In Concrete	
1. Bus. 287	East	24.0'	Survey Method: GPS/GNSS <input type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>	
2. Cedar Tree	West	9.7'	Combined Scale Factor: 0.99987093	Date: 2011/10/10
3. Power Pole	Northwest	18.3'		
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 63	139° 31' 45"	2340.92'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 09 694.02'



FACING NORTHWEST



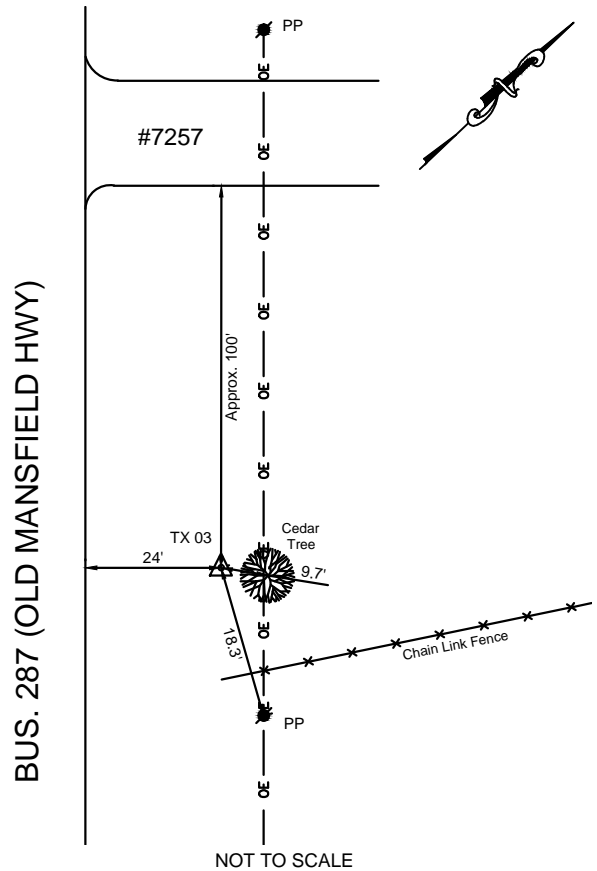
FACING EAST

NAD83 (2007) ADJUSTMENT Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 09
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6913726.59 E: 2368402.52	694.02'
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2007) <input checked="" type="checkbox"/>	Standard Deviation
Latitude: 32° 37' 39.24030" North		0.000'
Longitude: 97° 12' 03.49769" West		0.001'
Ellipsoid Height: 604.04'		0.004'

TXDOT marker set in concrete on the east side of Business 287, approximately 100' south of the driveway at address #7257. The monument is 24' east of the east edge of Business 287, 9.7' west of a Cedar tree, and 18.3' northwest of a power pole.

Mapsco 108-L

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

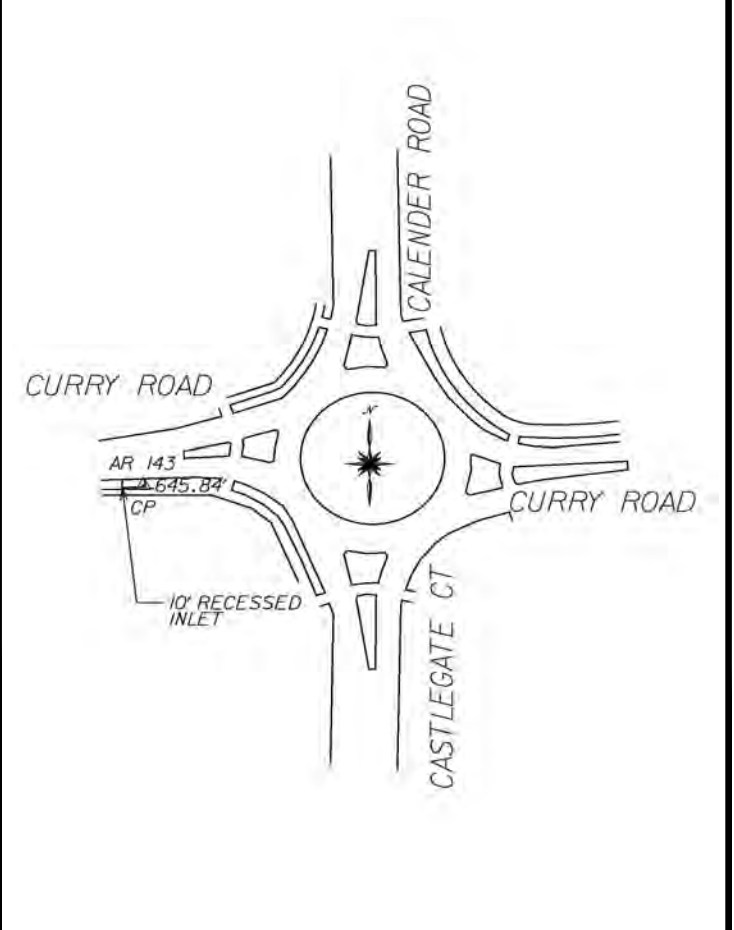
Distance & Direction to Reference & Azimuth Marks			Station Name: AR 143	Surveyor: Colin J Henry, RPLS
Reference Mark	Direction	Distance (Feet)	Type: ALUMINUM DISK SET IN CONCRETE	
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99987238	
			Date: 02-09-2022	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 144	108°48'53"	1583.91		Elevation (Feet) NAVD88 Calculated using Geoid 18
AR 145	157°44'14"	4036.45		



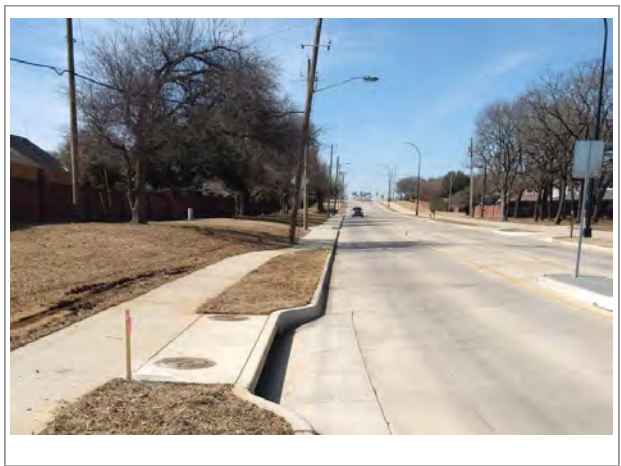
NAD83 (2011) Epoch 2010.0000 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 18
	N: 352113.110 E: 2105145.808	645.84
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6916304.333 E: 2381374.345	645.84
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2011) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 38' 03.13339" N Longitude: 097° 09' 31.43516" W Ellipsoid Height: 556.06'	0.004 (m) 0.005 (m) 0.020 (m)

3-1/2" aluminum disc stamped "AR-143" located at the southeast corner of a 10' recessed inlet in the south curb of east bound Curry Road in the southwest quadrant of the traffic circle intersection of Curry Road, Calender Road, and Castlegate Court.

FIELD SKETCH



FACING EAST



FACING WEST

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 144	Surveyor: Colin J Henry, RPLS
Reference Mark	Direction	Distance (Feet)	Type: ALUMINUM DISK SET IN CONCRETE	
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99987201	Date: 02-09-2022
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 143	288°48'53"	1583.91		Elevation (Feet) NAVD88 Calculated using Geoid 18
AR 145	179°28'04"	3224.87	State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 351588.047 E: 2106640.143 657.43



FACING WEST

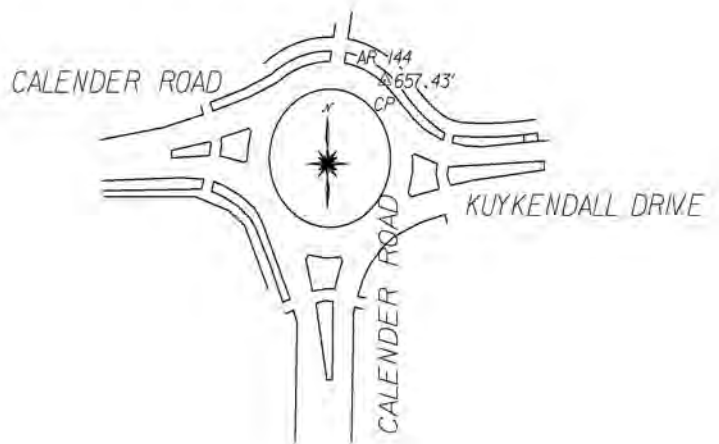


FACING SOUTH

NAD83 (2011) Epoch 2010.0000 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 18
	N: 6915793.511 E: 2382873.620	657.43
State: TEXAS Zone: NORTH CENTRAL Code: 4202		
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2011) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 37' 57.88920" N	0.041 (m)
	Longitude: 097° 09' 13.97959" W	0.076 (m)
Ellipsoid Height: 567.69'	0.002 (m)	

3-1/2" aluminum disc stamped "AR-144" located at the northeast quadrant of the traffic circle intersection of Calender Road, and Kuykendall Drive.

FIELD SKETCH



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 145	Surveyor: Colin J Henry, RPLS
Reference Mark	Direction	Distance (Feet)	Type: ALUMINUM DISK SET IN CONCRETE	
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99987217	
			Date: 02-09-2022	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 144	359°28'04"	3224.87		Elevation (Feet) NAVD88 Calculated using Geoid 18
AR 143	337°44'14"	4036.45		



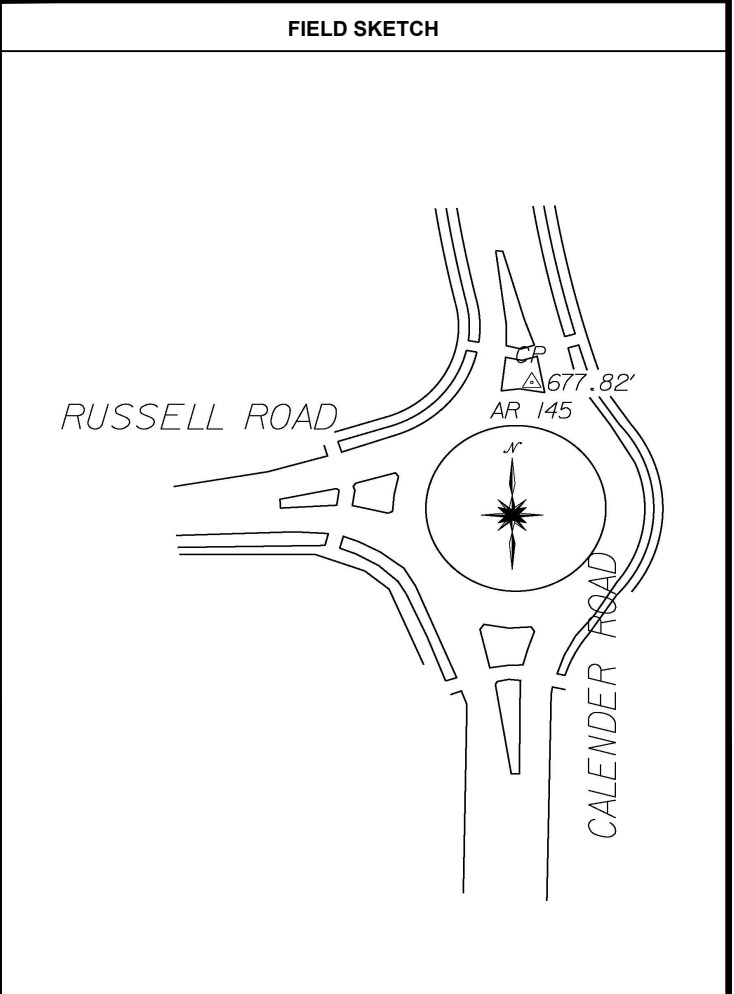
FACING WEST



FACING NORTH

State: TEXAS	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 18
Zone: NORTH CENTRAL	N: 348363.126	677.82
Code: 4202	E: 2106639.420	
NAD83 (2011) Epoch 2010.0000 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 18
	N: 6912568.777	677.82
	E: 2382903.568	
Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83 (2011) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 37' 25.97761" N	0.003 (m)
	Longitude: 097° 09' 14.11258" W	0.004 (m)
	Ellipsoid Height: 588.10	0.020 (m)

3-1/2" aluminum disc stamped "AR-145" located at the northeast quadrant of the traffic circle intersection of Calender Road, and Russell Road in the center median north of traffic circle and south of crosswalk.



CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 141	Surveyor: Colin J Henry, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Disc set in concrete	
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99987243 Date: 2021-06-16	
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 142	92°46'05"	2472.66'	Elevation (Feet) NAVD88 Calculated using Geoid 18	
			State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 352259.574 E: 2101474.794 643.88'



NAD83 (2011) Epoch 2010.0000 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 18
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6916415.865 E: 2377702.079	643.88'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83(2011) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32°38'04.69885" North Longitude: 97°10'14.36120" West Ellipsoid Height: 553.95'	0.033' 0.013' 0.095'

City of Arlington 3-1/2" aluminum disc stamped AR 141 2021 located at the northeast corner of a 10 foot recessed inlet on the north side of Eden-Curry Road, approx 100 feet east of Russell Curry Road traffic circle intersection.

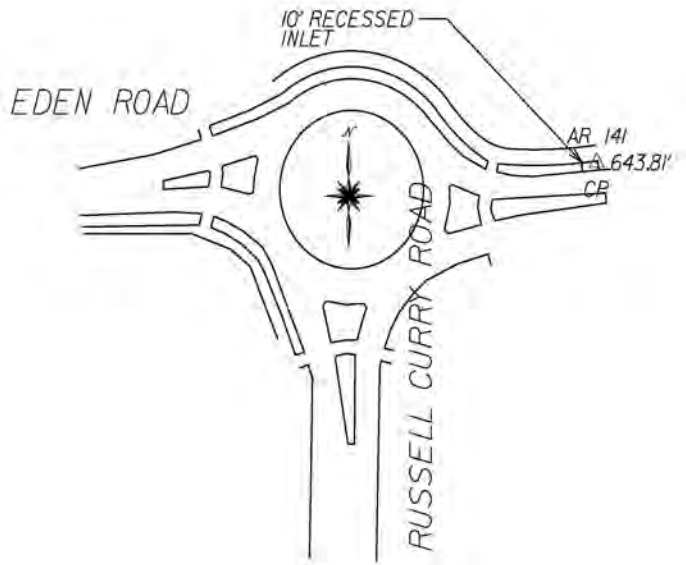


FACING EAST



FACING WEST

FIELD SKETCH



NOT TO SCALE

CITY OF ARLINGTON NETWORK CONTROL DATA SHEET

Distance & Direction to Reference & Azimuth Marks			Station Name: AR 142	Surveyor: Colin J Henry, RPLS
Reference Mark	Direction	Distance (Feet)	Type: Aluminum Disk set in concrete	
			Survey Method: GPS/GNSS <input checked="" type="checkbox"/> TRAV <input type="checkbox"/> OTHER <input type="checkbox"/>	
			Combined Scale Factor: 0.99987110	Date: 2021-06-16
Azimuth Mark	Grid Azimuth	Grid Distance	NAD27 Grid Data	Coordinates (U.S. Survey Feet)
AR 141	272°46'05"	2472.66'	State: TEXAS Zone: NORTH CENTRAL Code: 4202	Elevation (Feet) NAVD88 Calculated using Geoid 18 N: 352116.666 E: 2103943.300 672.74'



FACING EAST



FACING WEST

NAD83(2011) Epoch 2010.0000 Grid Data	Coordinates (U.S. Survey Feet)	Elevation (Feet) NAVD88 Calculated using Geoid 18
State: TEXAS Zone: NORTH CENTRAL Code: 4202	N: 6916296.450 E: 2380171.851	672.74'

Geodetic Data	Position: NAD27 <input type="checkbox"/> NAD83(2011) <input checked="" type="checkbox"/>	Standard Deviation
	Latitude: 32° 38' 03.20708" North Longitude: 097° 09' 45.49799" West Ellipsoid Height: 582.94'	0.056' 0.030' 0.062'

City of Arlington 3-1/2" aluminum disc stamped AR 142 2021 located at the southwest quadrant of the Eden-Curry Road at Ledbetter Road traffic circle intersection, approx 10 feet east of ADA ramp and 4 feet south of concrete curb.

FIELD SKETCH



NOT TO SCALE