

### Control Data

<b>Station Name:</b> GPS1			<b>Date:</b> 2/94		<b>Adjusted Horizontal Control Data</b>		
<b>Monument Type:</b> 5/8" Rebar – Plastic Cap			<b>Order:</b> Second		<b>Survey Method:</b> GPS		
<b>City:</b> Mesquite		<b>County:</b> Dallas		<b>State:</b> TX		<b>Combined Scale Factor:</b> 0.999861855	
<b>Surveyor:</b> E. Seaton		<b>Prepared by:</b> Aerial Data Service		<b>Site</b>		<b>Coordinates</b>	
<b>Project Name:</b> Nathan D. Maier				<b>Grid Data</b>		<b>(U.S. Survey Feet)</b>	
<b>Distances &amp; Directions to Prominent &amp; Reference Marks</b>				<b>State:</b>		<b>X</b> 2541181.591	
<b>Reference Point</b>		<b>Direction</b>		<b>Distance (feet)</b>		<b>Zone:</b>	
Stop Sign		SW		34.3'		<b>Code:</b>	
SW Side Conc. Pillar		NE		84.2'		<b>NAD 83</b>	
Painted Aerial Target		SSW		55.5'		<b>Surface Data</b>	
<b>Azimuth Mark</b>		<b>Azimuth</b>		<b>Distance</b>		<b>Plane Azimuth Angle</b>	
Station 21		222°08'27"		1479.164'		(Convergence)	
						001°01'01.5034	
						<b>Metric Conversion Factor:</b> 3.28083333333	
						<b>Geodetic Data</b>	
						<b>Position:</b> NAD 83	
						<b>Elev. (feet)</b>	
						496.81	
						<b>Latitude</b> 032°50'37.006912"	
						North	
						<b>Longitude</b> 096°38'06.503703"	
						West	
<b>Description of Points:</b>				<b>Field Sketch:</b>			
Station GPS 1 is a 5/8" rebar with a yellow plastic cap stamped "NDM" on the NW side of La Prada Drive and between Interstate 635 and off ramp west of Interstate 635							

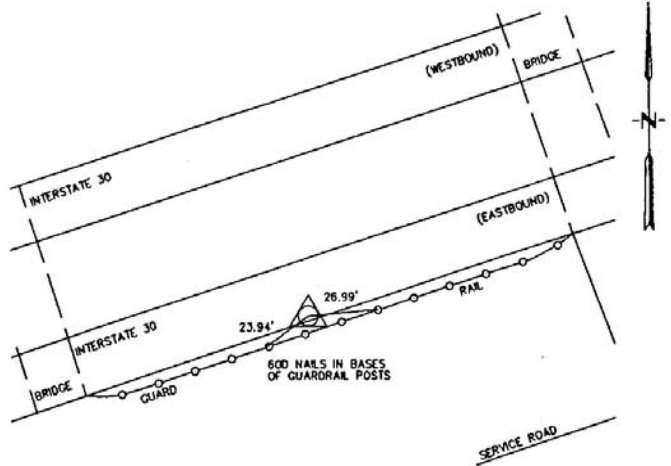
### Control Data

<b>Station Name:</b> GPS2			<b>Date:</b> 2/94		<b>Adjusted Horizontal Control Data</b>		
<b>Monument Type:</b> City of Mesquite Brass Cap			<b>Order:</b> Second		<b>Survey Method:</b> GPS		
<b>City:</b> Mesquite		<b>County:</b> Dallas		<b>State:</b> TX		<b>Combined Scale Factor:</b> 0.999861855	
<b>Surveyor:</b> E. Seaton		<b>Prepared by:</b> Aerial Data Service		<b>Site</b>		<b>Coordinates</b>	
<b>Project Name:</b> Nathan D. Maier			<b>Grid Data</b>		<b>(U.S. Survey Feet)</b>		<b>Plane Azimuth Angle</b>
<b>Distances &amp; Directions to Prominent &amp; Reference Marks</b>			<b>State:</b>		<b>X</b> 2544085.957		
<b>Reference Point</b>		<b>Direction</b>	<b>Distance (feet)</b>	<b>Zone:</b>			
Corner of Concrete		NNE	3.35''	<b>Code:</b>			
Corner of Concrete		SE	8.75'	<b>NAD 83</b>		<b>Coordinates</b>	
Light Pole		SW	25.70	<b>Surface Data</b>		<b>(U.S. Survey Feet)</b>	
<b>Azimuth Mark</b>		<b>Azimuth</b>	<b>Distance</b>	<b>State:</b> TEXAS		<b>N</b> 6994909.8038	
Station 22		220°24'39'	1619.148'	<b>Zone:</b> N. CENTRAL		001°01'19.9557	
				<b>Code:</b>			
				Metric Conversion Factor: 3.28083333333			
				<b>Geodetic Data</b>		<b>Position:</b> NAD 83	
				<b>Latitude</b>		032°50'26.681690"	<b>Elev. (feet)</b>
				<b>Longitude</b>		096°37'32.670738"	491.08
						North	
						West	
<b>Description of Points:</b>				<b>Field Sketch:</b>			
Station is a City of Mesquite Brass Cap Stamped "GPS@" inside a logo cover in center median of Oates Drive, just NE of Bridge over creek.							

### Control Data

<b>Station Name:</b> GPS3			<b>Date:</b> 2/94		<b>Adjusted Horizontal Control Data</b>		
<b>Monument Type:</b> 5/8" Rebar – Plastic Cap			<b>Order:</b> Second		<b>Survey Method:</b> GPS		
<b>City:</b> Mesquite		<b>County:</b> Dallas		<b>State:</b> TX		<b>Combined Scale Factor:</b> 0.999861855	
<b>Surveyor:</b> E. Seaton		<b>Prepared by:</b> Aerial Data Service		<b>Site</b>		<b>Coordinates</b>	
<b>Project Name:</b> Nathan D. Maier			<b>Grid Data</b>		<b>(U.S. Survey Feet)</b>		<b>Plane Azimuth Angle</b>
<b>Distances &amp; Directions to Prominent &amp; Reference Marks</b>			<b>State:</b>		<b>X</b> 2548199.756		
<b>Reference Point</b>		<b>Direction</b>	<b>Distance (feet)</b>	<b>Zone:</b>			
SE Corner Conc Pad		W	96.3'	<b>Code:</b>		<b>Y</b> 6993016.581	
SW Corner Old Bridge		E	120'	<b>NAD 83</b>		<b>Coordinates</b>	
Power Pole		S	119.8'	<b>Surface Data</b>		<b>(U.S. Survey Feet)</b>	
<b>Azimuth Mark</b>		<b>Azimuth</b>	<b>Distance</b>	<b>State:</b> TEXAS		<b>N</b> 6993982.7644	
Station 23		061°14'54'	835.306'	<b>Zone:</b> N. CENTRAL		001°01'46.1448	
				<b>Code:</b>			
				<b>Metric Conversion Factor:</b> 3.28083333333			
				<b>Geodetic Data</b>		<b>Position:</b> NAD 83	
				<b>Latitude</b>		032°50'16.782112"	<b>Elev. (feet)</b>
				<b>Longitude</b>		096°36'44.651983"	465.61
				<b>North</b>		West	
<b>Description of Points:</b>				<b>Field Sketch:</b>			
Station GPS 3 is a 5/8" rebar with a yellow plastic cap stamped "NDM" and driven flush with the ground on the Mesquite Golf Course, South of a creek.							

### Control Data

<b>Station Name:</b> GPS4			<b>Date:</b> 2/94		<b>Adjusted Horizontal Control Data</b>		
<b>Monument Type:</b> PK Nail			<b>Order:</b> Second		<b>Survey Method:</b> GPS		
<b>City:</b> Mesquite		<b>County:</b> Dallas		<b>State:</b> TX		<b>Combined Scale Factor:</b> 0.999861855	
<b>Surveyor:</b> E. Seaton		<b>Prepared by:</b> Aerial Data Service		<b>Site</b>		<b>Coordinates</b>	
<b>Project Name:</b> Nathan D. Maier			<b>Grid Data</b>		<b>(U.S. Survey Feet)</b>		<b>Plane Azimuth Angle</b>
<b>Distances &amp; Directions to Prominent &amp; Reference Marks</b>			<b>State:</b>		<b>X</b> 2551049.391		
<b>Reference Point</b>		<b>Direction</b>	<b>Distance (feet)</b>	<b>Zone:</b>			
60D - Guardrail		SW	23.94'	<b>Code:</b>		<b>Y</b> 6992660.018	
60D - Guardrail		NE	26.99'	<b>NAD 83</b>		<b>Coordinates</b>	
				<b>Surface Data</b>		<b>(U.S. Survey Feet)</b>	
<b>Azimuth Mark</b>		<b>Azimuth</b>	<b>Distance</b>	<b>State:</b> TEXAS		<b>N</b> 6993626.1527	
Station 24		238°25'25"	1485.886'	<b>Zone:</b> N. CENTRAL			
				<b>Code:</b>		<b>E</b> 2551401.8549	
				<b>Metric Conversion Factor:</b> 3.28083333333			
				<b>Geodetic Data</b>			<b>Position:</b> NAD 83
				<b>Latitude</b>		032°50'12.746415"	<b>Elev. (feet)</b>
				<b>Longitude</b>		096°36'11.330892"	North West 464.23
<b>Description of Points:</b>				<b>Field Sketch:</b>			
<p>Station GPS 4 is a Targeted PK Nail on the right shoulder of eastbound Interstate 30, 5.4 feet from guardrail, between two bridges.</p>							

## Control Data

<b>Station Name:</b> GPS5			<b>Date:</b> 2/94		<b>Adjusted Horizontal Control Data</b>			
<b>Monument Type:</b> City of Mesquite Brass Cap			<b>Order:</b> Second		<b>Survey Method:</b> GPS			
<b>City:</b> Mesquite		<b>County:</b> Dallas		<b>State:</b> TX		<b>Combined Scale Factor:</b> 0.999861855		
<b>Surveyor:</b> E. Seaton		<b>Prepared by:</b> Aerial Data Service		<b>Site</b>		<b>Coordinates</b>		
<b>Project Name:</b> Nathan D. Maier			<b>Grid Data</b>		<b>(U.S. Survey Feet)</b>		<b>Plane Azimuth Angle</b>	
<b>Distances &amp; Directions to Prominent &amp; Reference Marks</b>			<b>State:</b>		<b>X</b> 2553269.142			
<b>Reference Point</b>		<b>Direction</b>	<b>Distance (feet)</b>	<b>Zone:</b>				
60D SE Face of Pole		NE	60.80'	<b>Code:</b>		<b>Y</b> 6989772.433		
Light Pole		ESE	20.0'	<b>NAD 83</b>		<b>Coordinates</b>		
Chiseled X Top Curb		SW	58.2'	<b>Surface Data</b>		<b>(U.S. Survey Feet)</b>		
<b>Azimuth Mark</b>		<b>Azimuth</b>	<b>Distance</b>	<b>State:</b> TEXAS		<b>N</b> 6990738.1688		
Station 25		174°14'22'	1683.638'	<b>Zone:</b> N. CENTRAL		001°02'18.1716"		
				<b>Code:</b>				<b>E</b> 2553621.9124
<b>Metric Conversion Factor:</b> 3.28083333333								
				<b>Geodetic Data</b>		<b>Position:</b> NAD 83		<b>Elev. (feet)</b>
				<b>Latitude</b>		032°49'43.779931"	<b>North</b>	461.82
				<b>Longitude</b>		096°35'45.929831"	<b>West</b>	
<b>Description of Points:</b>				<b>Field Sketch:</b>				
<p>Station GPS 5 is a City of Mesquite Brass Cap Stamped "GPS 5" and a logo cover, west of the intersection of Belt Line Road and Northwest Drive. Station is on the North side of the center median.</p>								

### Control Data

<b>Station Name:</b> GPS6			<b>Date:</b> 2/94		<b>Adjusted Horizontal Control Data</b>		
<b>Monument Type:</b> City of Mesquite Brass Cap			<b>Order:</b> Second		<b>Survey Method:</b> GPS		
<b>City:</b> Mesquite		<b>County:</b> Dallas		<b>State:</b> TX		<b>Combined Scale Factor:</b> 0.999861855	
<b>Surveyor:</b> E. Seaton		<b>Prepared by:</b> Aerial Data Service		<b>Site</b>		<b>Coordinates</b>	
<b>Project Name:</b> Nathan D. Maier			<b>Grid Data</b>		<b>(U.S. Survey Feet)</b>		<b>Plane Azimuth Angle</b>
<b>Distances &amp; Directions to Prominent &amp; Reference Marks</b>			<b>State:</b>		<b>X</b> 2552722.332		
<b>Reference Point</b>		<b>Direction</b>	<b>Distance (feet)</b>	<b>Zone:</b>			
Top Bolt Fire Hydrant		NW	81.0'	<b>Code:</b>			
Top Bolt Fire Hydrant		SE	62.40'	<b>NAD 83</b>		<b>Coordinates</b>	
60D NE Face of Pole		SW	55.45'	<b>Surface Data</b>		<b>(U.S. Survey Feet)</b>	
<b>Azimuth Mark</b>		<b>Azimuth</b>	<b>Distance</b>	<b>State:</b> TEXAS		<b>Plane Azimuth Angle</b>  001°02'14.0532	
Station 26		090°03'55'	1213.886'	<b>Zone:</b> N. CENTRAL			
				<b>Code:</b>		E 2553075.0262	
<b>Metric Conversion Factor:</b> 3.28083333333							
				<b>Geodetic Data</b>		<b>Position:</b> NAD 83	
				<b>Latitude</b>		<b>Elev. (feet)</b>	
				032°48'50.555708"		North 521.97	
				<b>Longitude</b>		West	
				096°35'53.481085"			
<b>Description of Points:</b>				<b>Field Sketch:</b>			
<p>Station GPS 6 is a City of Mesquite Brass Cap Stamped "GPS 6" and set in concrete with logo cap, in center median of Town East Boulevard, approximately 77 feet east of the center line of Red Wolf Drive and Town East Boulevard.</p>							

### Control Data

<b>Station Name:</b> GPS7			<b>Date:</b> 2/94		<b>Adjusted Horizontal Control Data</b>		
<b>Monument Type:</b> City of Mesquite Brass Cap			<b>Order:</b> Second		<b>Survey Method:</b> GPS		
<b>City:</b> Mesquite		<b>County:</b> Dallas		<b>State:</b> TX		<b>Combined Scale Factor:</b> 0.999861855	
<b>Surveyor:</b> E. Seaton		<b>Prepared by:</b> Aerial Data Service		<b>Site</b>		<b>Coordinates</b>	
<b>Project Name:</b> Nathan D. Maier			<b>Grid Data</b>		<b>(U.S. Survey Feet)</b>		<b>Plane Azimuth Angle</b>
<b>Distances &amp; Directions to Prominent &amp; Reference Marks</b>			<b>State:</b>		X 2553591.702		
<b>Reference Point</b>		<b>Direction</b>	<b>Distance (feet)</b>	<b>Zone:</b>			
PK Nail & Shiner		NW	12.51'	<b>Code:</b>		Y 6977332.907	
PK Nail & Shiner		NE	13.33'	<b>NAD 83</b>		<b>Coordinates</b>	
3" Tree		S	10.09'	<b>Surface Data</b>		<b>(U.S. Survey Feet)</b>	
<b>Azimuth Mark</b>		<b>Azimuth</b>	<b>Distance</b>	<b>State:</b> TEXAS		N 6978296.9237	
Station 27		357°30'43"	1903.722'	<b>Zone:</b> N. CENTRAL		E 2553944.5164	
				<b>Code:</b>			
<b>Metric Conversion Factor:</b> 3.28083333333							
				<b>Geodetic Data</b>			<b>Position:</b> NAD 83
				<b>Latitude</b>		032°47'40.648066"	<b>Elev. (feet)</b>
				<b>Longitude</b>		096°35'44.792643"	482.13
						North	
						West	
<b>Description of Points:</b>				<b>Field Sketch:</b>			
<p>Station GPS 7 is a City of Mesquite Brass Cap stamped "GPS 7" with a logo cover, set in center median of the 220 Block of Belt Line Road, approximately 225 feet south of the center of the intersection of Belt Line Road and Ripplewood Street, approximately 1000' North of Interstate 20.</p>							

## Control Data

<b>Station Name:</b> GPS8			<b>Date:</b> 2/94		<b>Adjusted Horizontal Control Data</b>		
<b>Monument Type:</b> 5/8" Rebar – Aluminum Cap			<b>Order:</b> Second		<b>Survey Method:</b> GPS		
<b>City:</b> Mesquite		<b>County:</b> Dallas		<b>State:</b> TX		<b>Combined Scale Factor:</b> 0.999861855	
<b>Surveyor:</b> E. Seaton		<b>Prepared by:</b> Aerial Data Service		<b>Site</b>		<b>Coordinates</b>	
<b>Project Name:</b> Nathan D. Maier			<b>Grid Data</b>		<b>(U.S. Survey Feet)</b>		<b>Plane Azimuth Angle</b>
<b>Distances &amp; Directions to Prominent &amp; Reference Marks</b>			<b>State:</b>		<b>X</b> 2558469.63		
<b>Reference Point</b>		<b>Direction</b>	<b>Distance (feet)</b>	<b>Zone:</b>			
SW CRNR – Brick House		NE	54.5'	<b>Code:</b>		<b>Y</b> 6971882.234	
Corner of Conc. Walk		ENE	34.8'	<b>NAD 83</b>		<b>Coordinates</b>	
Chiseled Square		SSW	17.9'	<b>Surface Data</b>		<b>(U.S. Survey Feet)</b>	
<b>Azimuth Mark</b>		<b>Azimuth</b>	<b>Distance</b>	<b>State:</b> TEXAS		<b>N</b> 6972845.4974	
Station 28		090°02'20"	1168.303'	<b>Zone:</b> N. CENTRAL		<b>001°02'49.3189"</b>	
				<b>Code:</b>			
<b>Metric Conversion Factor:</b> 3.28083333333							
				<b>Geodetic Data</b>		<b>Position:</b> NAD 83	
				<b>Latitude</b>		032°46'45.841664"	<b>Elev. (feet)</b>
				<b>Longitude</b>		096°34'48.820117"	461.35
						North	West
<b>Description of Points:</b>				<b>Field Sketch:</b>			
<p>Station GPS 8 is a 5/8" rebar with a 1 1/2" aluminum cap stamped "GPS 8" and driven flush with ground at the west end of a cul-de-sac at the west end of Wheatfield Drive. Please note the GPS 8 is not aerial target south of cul-de-sac.</p>							



### Control Data

<b>Station Name:</b> GPS9			<b>Date:</b> 2/94		<b>Adjusted Horizontal Control Data</b>		
<b>Monument Type:</b> City of Mesquite Brass Cap				<b>Order:</b> Second		<b>Survey Method:</b> GPS	
<b>City:</b> Mesquite		<b>County:</b> Dallas		<b>State:</b> TX		<b>Combined Scale Factor:</b> 0.999861855	
<b>Surveyor:</b> E. Seaton		<b>Prepared by:</b> Aerial Data Service		<b>Site</b>		<b>Coordinates</b>	
<b>Project Name:</b> Nathan D. Maier				<b>Grid Data</b>		<b>(U.S. Survey Feet)</b>	
<b>Distances &amp; Directions to Prominent &amp; Reference Marks</b>				<b>State:</b>		<b>X</b> 2559661.86	
<b>Reference Point</b>		<b>Direction</b>		<b>Distance (feet)</b>		<b>Plane Azimuth Angle</b>	
<b>(Convergence)</b>							
Top Bolt Fire Hydrant		NW		42.43'		Code:	
Chiseled X in Concrete		SE		39.54'		<b>NAD 83</b>	
Chiseled X in Concrete		SW		45.97'		<b>Coordinates</b>	
<b>Surface Data</b>		<b>(U.S. Survey Feet)</b>		<b>Plane Azimuth Angle</b>		<b>(Convergence)</b>	
<b>Azimuth Mark</b>		<b>Azimuth</b>		<b>Distance</b>		<b>State:</b> TEXAS	
Station 29		073°16'08'		1426.476'		<b>Zone:</b> N. CENTRAL	
						<b>Code:</b>	
						E 2560015.5135	
<b>Metric Conversion Factor:</b> 3.28083333333							
				<b>Geodetic Data</b>			<b>Position:</b> NAD 83
				<b>Latitude</b>		032°46'13.953391"	<b>Elev. (feet)</b>
				<b>Longitude</b>		096°34'35.543649"	North 455.34 West
<b>Description of Points:</b>				<b>Field Sketch:</b>			
<p>Station GPS 9 is a City of Mesquite Brass Cap stamped "GPS 9" with a logo cap in median of Kearney Street, west of Intersection with Rose Bluff Terrace. Station is southwest of Plexicare Medical-Surgical Center and Creek Crossing Community Baptist Church.</p>							

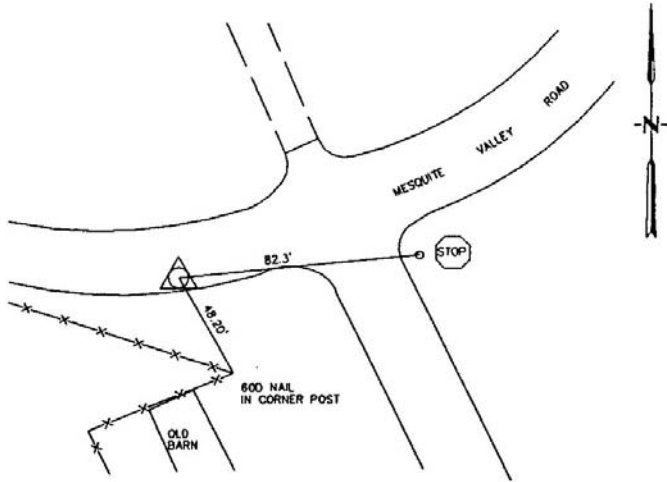
### Control Data

<b>Station Name:</b> GPS10			<b>Date:</b> 2/94		<b>Adjusted Horizontal Control Data</b>			
<b>Monument Type:</b> 5/8" Rebar – Plastic Cap				<b>Order:</b> Second		<b>Survey Method:</b> GPS		
<b>City:</b> Mesquite		<b>County:</b> Dallas		<b>State:</b> TX		<b>Combined Scale Factor:</b> 0.999861855		
<b>Surveyor:</b> E. Seaton		<b>Prepared by:</b> Aerial Data Service		<b>Site</b>		<b>Coordinates</b>		
<b>Project Name:</b> Nathan D. Maier				<b>Grid Data</b>		<b>(U.S. Survey Feet)</b>		
<b>Distances &amp; Directions to Prominent &amp; Reference Marks</b>				<b>State:</b>		<b>Plane Azimuth Angle</b>		
<b>Reference Point</b>			<b>Direction</b>		<b>Distance (feet)</b>		<b>(Convergence)</b>	
60D S Face of Tree			NW		45.35'			
PK Nail and Shiner			NE		29.81'			
60D NW Face of Util. Pole			SE		33.08'			
<b>Azimuth Mark</b>			<b>Azimuth</b>		<b>Distance</b>		<b>State: TEXAS</b>	
Station 30			093°59'43'		1731.613'		<b>Zone: N. CENTRAL</b>	
							<b>Code:</b>	
							X 2561767.033	
							<b>Y</b> 6966496.053	
							<b>Coordinates</b>	
							<b>(U.S. Survey Feet)</b>	
							<b>Plane Azimuth Angle</b>	
							<b>(Convergence)</b>	
							001°03'09.7491	
							<b>Code:</b>	
							E 2562120.9776	
							<b>Metric Conversion Factor:</b> 3.28083333333	
							<b>Geodetic Data</b>	
							<b>Position:</b> NAD 83	
							<b>Elev. (feet)</b>	
							441.87	
							<b>Latitude</b> 032°45'51.954027"	
							North	
							<b>Longitude</b> 096°34'11.360698"	
							West	
<b>Description of Points:</b>				<b>Field Sketch:</b>				
Station GPS 10 is a 5/8" rebar with a yellow plastic cap stamped "NDM 2609", driven flush with ground, south of Scyene Road								

### Control Data

<b>Station Name:</b> GPS11			<b>Date:</b> 2/94		<b>Adjusted Horizontal Control Data</b>		
<b>Monument Type:</b> City of Mesquite Brass Cap			<b>Order:</b> Second		<b>Survey Method:</b> GPS		
<b>City:</b> Mesquite		<b>County:</b> Dallas		<b>State:</b> TX		<b>Combined Scale Factor:</b> 0.999861855	
<b>Surveyor:</b> E. Seaton		<b>Prepared by:</b> Aerial Data Service		<b>Site</b>		<b>Coordinates</b>	
<b>Project Name:</b> Nathan D. Maier			<b>Grid Data</b>		<b>(U.S. Survey Feet)</b>		<b>Plane Azimuth Angle</b>
<b>Distances &amp; Directions to Prominent &amp; Reference Marks</b>			<b>State:</b>		<b>X</b> 2562238.619		
<b>Reference Point</b>		<b>Direction</b>	<b>Distance (feet)</b>	<b>Zone:</b>			
60D Top Guardrail Post		ENE	15.12'	<b>Code:</b>		<b>Y</b> 6965354.048	
60D W Face Tele Pole		SE	54.53'	<b>NAD 83</b>		<b>Coordinates</b>	
				<b>Surface Data</b>		<b>(U.S. Survey Feet)</b>	
<b>Azimuth Mark</b>		<b>Azimuth</b>	<b>Distance</b>	<b>State:</b> TEXAS		<b>N</b> 6966316.4099	
Station 31		092°11'55'	2031.191'	<b>Zone:</b> N. CENTRAL			
				<b>Code:</b>		<b>E</b> 25628592.6288	
				<b>Metric Conversion Factor:</b> 3.28083333333			
				<b>Geodetic Data</b>		<b>Position:</b> NAD 83	
				<b>Latitude</b>		032°45'40.569516"	<b>Elev. (feet)</b>
				<b>Longitude</b>		096°34'06.084320"	442.51
						North	
						West	
<b>Description of Points:</b>				<b>Field Sketch:</b>			
Station GPS 11 is a City of Mesquite Brass Cap Stamped "GPS 11" with logo cap in median of East Glen Boulevard West of bridge.				<p>The field sketch illustrates the location of Station GPS 11. It shows a horizontal line representing East Glen Boulevard, divided into Westbound (top) and Eastbound (bottom) lanes. A vertical line represents a headwall. A diagonal line indicates the location of a 60D nail in the top of a guardrail post, which is 15.12 feet from the headwall. Another diagonal line indicates the location of a 60D nail in the north face of a telephone pole, which is 54.53 feet from the headwall. A north-south line is shown on the right side of the sketch.</p>			

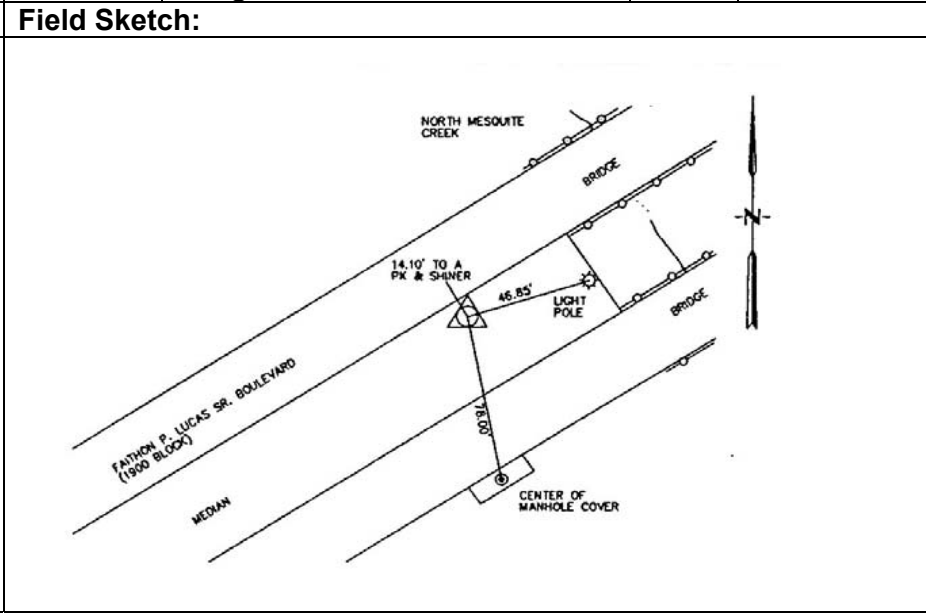
### Control Data

<b>Station Name:</b> GPS12			<b>Date:</b> 2/94		<b>Adjusted Horizontal Control Data</b>		
<b>Monument Type:</b> PK Nail & Washer			<b>Order:</b> Second		<b>Survey Method:</b> GPS		
<b>City:</b> Mesquite		<b>County:</b> Dallas		<b>State:</b> TX		<b>Combined Scale Factor:</b> 0.999861855	
<b>Surveyor:</b> E. Seaton		<b>Prepared by:</b> Aerial Data Service		<b>Site</b>		<b>Coordinates</b>	
<b>Project Name:</b> Nathan D. Maier			<b>Grid Data</b>		<b>(U.S. Survey Feet)</b>		<b>Plane Azimuth Angle</b>
<b>Distances &amp; Directions to Prominent &amp; Reference Marks</b>			<b>State:</b>		<b>X</b> 2563998.247		
<b>Reference Point</b>		<b>Direction</b>	<b>Distance (feet)</b>	<b>Zone:</b>			
Stop Sign		E	82.3'	<b>Code:</b>		<b>Y</b> 6960799.618	
60D In Corner Post		SSE	48.20'	<b>NAD 83</b>		<b>Coordinates</b>	
				<b>Surface Data</b>		<b>(U.S. Survey Feet)</b>	
<b>Azimuth Mark</b>		<b>Azimuth</b>	<b>Distance</b>	<b>State:</b> TEXAS		<b>N</b> 6961761.3504	
Station 32		256°04'40'	908.139'	<b>Zone:</b> N. CENTRAL			
				<b>Code:</b>		<b>E</b> 2564352.4993	
				<b>Metric Conversion Factor:</b> 3.28083333333			
				<b>Geodetic Data</b>			<b>Position:</b> NAD 83
				<b>Latitude</b>		032°44'55.188353"	<b>Elev. (feet)</b>
				<b>Longitude</b>		096°33'46.463569"	428.24
<b>Description of Points:</b>				<b>Field Sketch:</b>			
Station GPS 12 is a targeted PK Nail and Washer on south side of Mesquite Valley Road approximately 180 feet west-southwest of Rivercrest Drive				 <p>The field sketch illustrates the location of Station GPS 12. It shows Mesquite Valley Road curving to the right. A stop sign is located on the road. A 60D nail in corner post is marked with a triangle and 'X's. An old barn is shown to the southwest. Distances of 82.3' and 48.20' are indicated between the station and the corner post. A north arrow is also present.</p>			

### Control Data

<b>Station Name:</b> GPS13			<b>Date:</b> 2/94		<b>Adjusted Horizontal Control Data</b>		
<b>Monument Type:</b> City of Mesquite Brass Cap				<b>Order:</b> Second		<b>Survey Method:</b> GPS	
<b>City:</b> Mesquite		<b>County:</b> Dallas		<b>State:</b> TX		<b>Combined Scale Factor:</b> 0.999861855	
<b>Surveyor:</b> E. Seaton		<b>Prepared by:</b> Aerial Data Service		<b>Site</b>		<b>Coordinates</b>	
<b>Project Name:</b> Nathan D. Maier				<b>Grid Data</b>		<b>Plane Azimuth Angle</b>	
<b>Distances &amp; Directions to Prominent &amp; Reference Marks</b>				<b>State:</b>		<b>(U.S. Survey Feet)</b>	
<b>Reference Point</b>		<b>Direction</b>		<b>Distance (feet)</b>		<b>(Convergence)</b>	
PK Nail & Shiner		NW		14.10'			
Light Pole		NE		46.85'			
Center of Manhole		SE		78.00'			
<b>Azimuth Mark</b>		<b>Azimuth</b>		<b>Distance</b>		<b>State:</b> TEXAS	
Station 33		015°51'23"		1131.740'		<b>Zone:</b> N. CENTRAL	
						<b>Code:</b>	
						E 2566867.4502	
<b>Metric Conversion Factor:</b> 3.28083333333							
				<b>Geodetic Data</b>			<b>Position:</b> NAD 83
				<b>Latitude</b>		032°44'23.911014"	<b>Elev. (feet)</b>
				<b>Longitude</b>		096°33'17.698461"	416.17
						North	
						West	

**Description of Points:**  
 Station GPS 13 is a City of Mesquite Brass Cap stamped "GPS 13" with a logo cap in the median of the 1900 block of Falthon P. Lucas Boulevard, west of bridge over North Mesquite Creek.



## Control Data

<b>Station Name:</b> GPS14			<b>Date:</b> 2/94		<b>Adjusted Horizontal Control Data</b>		
<b>Monument Type:</b> 5/8" Rebar – Plastic Cap			<b>Order:</b> Second		<b>Survey Method:</b> GPS		
<b>City:</b> Mesquite		<b>County:</b> Dallas		<b>State:</b> TX		<b>Combined Scale Factor:</b> 0.999861855	
<b>Surveyor:</b> E. Seaton		<b>Prepared by:</b> Aerial Data Service		<b>Site</b>		<b>Coordinates</b>	
<b>Project Name:</b> Nathan D. Maier			<b>Grid Data</b>		<b>(U.S. Survey Feet)</b>		<b>Plane Azimuth Angle</b>
<b>Distances &amp; Directions to Prominent &amp; Reference Marks</b>			<b>State:</b>		<b>X</b> 2566955.677		
<b>Reference Point</b>		<b>Direction</b>	<b>Distance (feet)</b>	<b>Zone:</b>			
60D S Face Util. Pole		NNE	53.01'	<b>Code:</b>		<b>Y</b> 6954140.706	
PK Nail & Shiner		SE	12.43'	<b>NAD 83</b>		<b>Coordinates</b>	
Top Center Tele Box		NW	33.50'	<b>Surface Data</b>		<b>(U.S. Survey Feet)</b>	
<b>Azimuth Mark</b>		<b>Azimuth</b>	<b>Distance</b>	<b>State:</b> TEXAS		<b>N</b> 6955101.5187	
Station 34		135°04'56"	3751.235'	<b>Zone:</b> N. CENTRAL		<b>E</b> 2567310.3376	
				<b>Code:</b>			
<b>Metric Conversion Factor:</b> 3.28083333333							
				<b>Geodetic Data</b>			<b>Position:</b> NAD 83
				<b>Latitude</b>		032°43'48.765623"	<b>Elev. (feet)</b>
				<b>Longitude</b>		096°33'13.283188"	439.50
						North	West
<b>Description of Points:</b>				<b>Field Sketch:</b>			
<p>Station GPS 14 is a 5/8" rebar with a yellow plastic cap stamped "NDM 2609" and driven flush with the ground 17.0' southwest of the center of the intersection of Cartwright Road and Edwards Church Road.</p>							

### Control Data

<b>Station Name:</b> GPS15			<b>Date:</b> 2/94		<b>Adjusted Horizontal Control Data</b>				
<b>Monument Type:</b> 3/4" Iron Pin			<b>Order:</b> Second		<b>Survey Method:</b> GPS				
<b>City:</b> Mesquite		<b>County:</b> Dallas		<b>State:</b> TX		<b>Combined Scale Factor:</b> 0.999861855			
<b>Surveyor:</b> E. Seaton		<b>Prepared by:</b> Aerial Data Service		<b>Site</b>		<b>Coordinates</b>			
<b>Project Name:</b> Nathan D. Maier			<b>Grid Data</b>		<b>(U.S. Survey Feet)</b>		<b>Plane Azimuth Angle</b>		
<b>Distances &amp; Directions to Prominent &amp; Reference Marks</b>			<b>State:</b>		<b>X</b> 2570647.139				
<b>Reference Point</b>		<b>Direction</b>	<b>Distance (feet)</b>	<b>Zone:</b>					
60D Nail in Pole		NW	27.60'	<b>Code:</b>		<b>Y</b> 6951054.279			
16P Nail in Pole		NE	74.20'	<b>NAD 83</b>		<b>Coordinates</b>			
Nail Brace Pole		SSW	33.34'	<b>Surface Data</b>		<b>(U.S. Survey Feet)</b>			
<b>Azimuth Mark</b>		<b>Azimuth</b>	<b>Distance</b>	<b>State:</b> TEXAS		<b>N</b> 6952014.6655			
Station 34		292°25'21'	1128.550'	<b>Zone:</b> N. CENTRAL		<b>001°04'04.6232"</b>			
				<b>Code:</b>				<b>E</b> 2571002.3100	
				<b>Metric Conversion Factor:</b> 3.28083333333					
				<b>Geodetic Data</b>		<b>Position:</b> NAD 83		<b>Elev. (feet)</b>	
				<b>Latitude</b>		032°43'17.550370"		<b>North</b> 434.66	
				<b>Longitude</b>		096°32'30.746947"		<b>West</b>	
<b>Description of Points:</b>				<b>Field Sketch:</b>					
Station GPS 15 is a 3/4" iron pin approximately 300 feet Northeast of the intersection of Lawson Road and Cartwright Road.									

### Control Data

<b>Station Name:</b> GPS16			<b>Date:</b> 2/94		<b>Adjusted Horizontal Control Data</b>						
<b>Monument Type:</b> 3/4" Rebar			<b>Order:</b> Second		<b>Survey Method:</b> GPS						
<b>City:</b> Mesquite		<b>County:</b> Dallas		<b>State:</b> TX		<b>Combined Scale Factor:</b> 0.999861855					
<b>Surveyor:</b> E. Seaton		<b>Prepared by:</b> Aerial Data Service			<b>Site</b>		<b>Coordinates</b>		<b>Plane Azimuth Angle</b>		
<b>Project Name:</b> Nathan D. Maier					<b>Grid Data</b>		<b>(U.S. Survey Feet)</b>		<b>(Convergence)</b>		
<b>Distances &amp; Directions to Prominent &amp; Reference Marks</b>					<b>State:</b>		X 2570658.66				
<b>Reference Point</b>		<b>Direction</b>	<b>Distance (feet)</b>		<b>Zone:</b>						
Nail in 16" Pecan		NNW	53.20'		<b>Code:</b>		Y 6948128.869				
					<b>NAD 83</b>		<b>Coordinates</b>		<b>Plane Azimuth Angle</b>		
					<b>Surface Data</b>		<b>(U.S. Survey Feet)</b>		<b>(Convergence)</b>		
<b>Azimuth Mark</b>		<b>Azimuth</b>		<b>Distance</b>	<b>State:</b> TEXAS		N 6949088.8512		001°04'04.3487"		
Station 36		261°24'52'		808.873'	<b>Zone:</b> N. CENTRAL		E 2571013.8323				
					<b>Metric Conversion Factor:</b> 3.28083333333						
					<b>Geodetic Data</b>		<b>Position:</b> NAD 83			<b>Elev. (feet)</b>	
							<b>Latitude</b>		032°42'48.604935"	North	431.47
							<b>Longitude</b>		069°32'31.250280"	West	
<b>Description of Points:</b>					<b>Field Sketch:</b>						
Station GPS 16 is a 3/4" rebar set in 6" PVC Pipe with a chiseled "X" on top of hill north-northeast of treatment plant. Note: Point is north-northeast of a 5/8" rebar & yellow plastic cap and is "Pig panned" with 6 "T" posts.											



## Control Data

Station Name: GPS-20			Date: 2/09		Adjusted Horizontal Control Data			
Monument Type: City of Mesquite Bronze Monument			Order: Second		Survey Method: GPS			
City: Mesquite	County: Dallas	State: TX	Combined Scale Factor: 0.999861855					
Surveyor: R. Smith		Prepared by: RDS Surveyors		Site		Coordinates	Plane Azimuth Angle	
Project Name: Firestation # 3			Grid Data		(U.S. Survey Feet)	(Convergence)		
Distances & Directions to Prominent & Reference Marks			State:		X 2536331.5689			
Reference Point:	Direction	Distance (feet)	Zone:					
SE corner of Headwall	SW	1.35'	Code:		Y 6974110.1362			
BC of Town East BLVD.	NE	8.72'	Nad 83		Coordinates	Plane Azimuth Angle		
SE EOC inlet	N	117.36'	Surface Data		(U.S. Survey Feet)	(Convergence)		
Azimuth Mark	Azimuth	Distance	State: Texas		N 6975073.7077		001°01'01.5034	
			Zone: N. Central					
			Code:		E 2536681.9988			
Metric Conversion Factor: 3.28083333333								
			Geodetic Data			Position: Nad 83		Elev. (feet)
				Latitude	32.470995814	North	510.85	
				Longitude	-96.390545031	West		

### Description of Points:

Station GPS 20 is a City of Mesquite Bronze stamp at the southerly end of headwall, approximately 540' from the intersection of Town East Boulevard, and Forney Avenue on the West side of Town East Boulevard with an elevation of 510.85'

### Field Sketch:

