

## GPS Station Observation Log

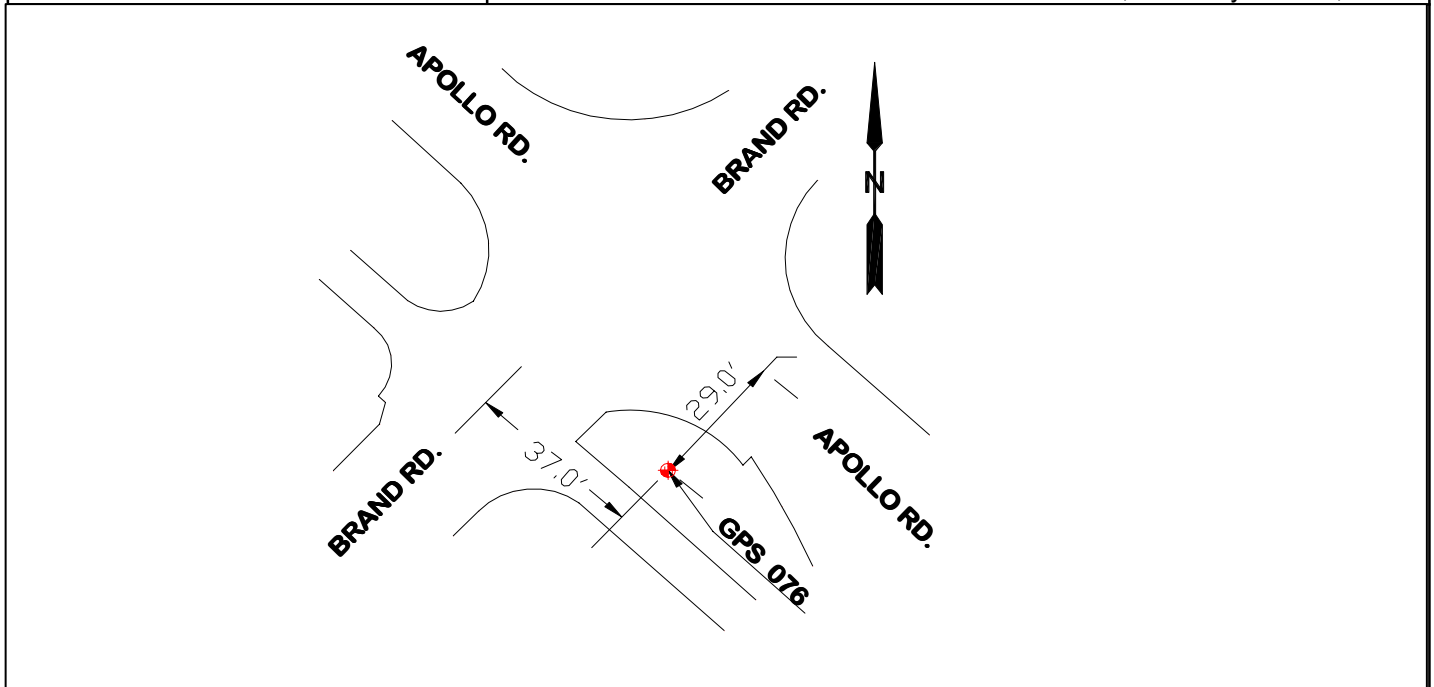
Station Designation	( Check applicable: <input checked="" type="checkbox"/> GEO. CNTRL. <input type="checkbox"/> Trav. PT. <input type="checkbox"/> BM )	Station PID, if any:	DATE:
		GPS-076	10/5/2005
Project Name: <b>Geodetic Monument</b>		Project Number: <b>GPS-076</b>	
NAD83 Latitude: 32 56 52.60617		NAD83 Longitude: 96 38 30.08553	
Observation Session Time		141.427 ft./meters	
Sched: Start _____ Stop: _____		NAVD88 Orthometric Height	
Actual Start <u>7:43 AM</u> Stop <u>11:56 AM</u>		167.299 ft./meters	
Epoch Interval = <u>5</u> Seconds		GEOID03 Geoid Height	
Elevation Mask = _____ Degrees		ft./meters	
Receiver Brand & Model: Topcon Hiper Lite-Internal Antenna		Comments: 4HRS. STATIC DATA RECORDED	
Base: <input checked="" type="checkbox"/> Rover:		NOTE: ELEV. IS ORTHO HT. CALC. BY OPUS. (548.88)	
P/N: 01-840802-03		2nd. ELEV. EST. FROM RM-15 (549.14)	
S/N: 263-0243			
ID: 8QATEMNVCHS		ID: 8OKPW2V2RR4	

** ANTENNA HEIGHT **		Meters	Feet	<b>NAD83 TXNC (4202)</b>
Slant Height to ARP:		1.665	5.46	N = 7032851.12128
Vertical Height to ARP:				E = 2538498.85344
				Z = 548.88014
				CSF = 0.99985205

Meters = Feet x (0.3048)  
 Height Entered into receiver = 1.6307 Meters.

Note: &/or sketch **ANY** unusual conditions. be **Very Explicit** as to where and how **Measured**.

LOG Checked By: \_\_\_\_\_ Data File Name(s): \_\_\_\_\_ (standard NGS Format = aaaaddds.xxx)  
 aaa=4 character ID, ddd=Day of Year,



GPS 076, 2" BRASS DISK STAMPED 76 SET IN 4" PVC & CONC. @ THE S. COR. OF BRAND RD & APOLLO RD. INT. APPROX. 37' S.E. OF THE C/L OF BRAND RD., AND APPROX. 29' S.W. OF APOLLO RD. C/L.  
 \*\*\*COG MAP GRID D-7\*\*\*MAPSCO 19-G,H\*\*\*

Table of Weather				
Problem	Visibility	Temperature	Cloud Cover	Wind
NONE	GOOD	77°	NONE	3 - 5 MPH.
Any obstructions above 10° ?		( Y / N )	Radio Interference source nearby ?	
			( Y / N )	

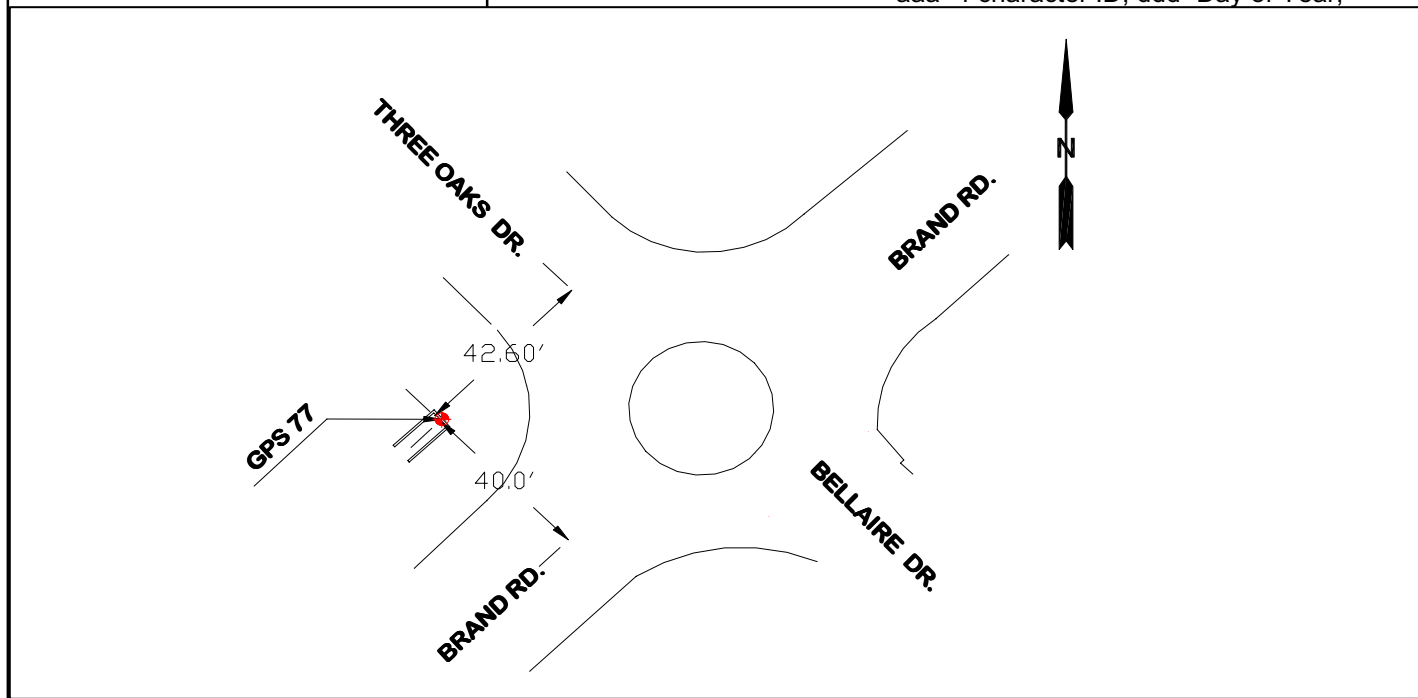
RPLS: GSB P.Chief: TG Field Tech: KW Field Tech: CW

## GPS Station Observation Log

Station Designation	( Check applicable: <input checked="" type="checkbox"/> GEO. CNTRL. <input type="checkbox"/> Trav. PT. <input type="checkbox"/> BM )	Station PID, if any:	DATE:
		GPS-077	10/5/2005
Project Name: <b>Geodetic Monument</b>		Project Number: <b>GPS-077</b>	
NAD83 Latitude: 32 57 04.95322		NAD83 Longitude: 96 38 16.46584	
Observation Session Time		136.410 ft./meters	
Sched: Start _____ Stop: _____		NAVD88 Orthometric Height	
Actual Start <u>7:47 AM</u> Stop <u>12:06 PM</u>		162.269 ft./meters	
Epoch Interval = 5 Seconds		GEOID03 Geoid Height	
Elevation Mask = _____ Degrees		ft./meters	
Receiver Brand & Model: Topcon Hiper Lite-Internal Antenna		Comments: 4HRS. STATIC DATA RECORDED.	
Base:		Rover: <u>X</u>	
P/N: 01-840802-03		NOTE: ELEV. IS ORTHO HT. CALC. BY OPUS. (532.38)	
S/N: 263-0243		2nd. ELEV. EST. FROM RM-15 (532.53)	
ID: 8QATEMNVCHS		ID: 8OKPW2V2RR4	

** ANTENNA HEIGHT **		Meters	Feet	<b>NAD83 TXNC (4202)</b>
Slant Height to ARP:		1.555	5.10	N = 7034119.24538
Vertical Height to ARP:				E = 2539637.04998
Meters = Feet x (0.3048)		Note: &/or sketch <b>ANY</b> unusual conditions. be <b>Very Explicit</b> as to where and how <b>Measured</b> .		
Height Entered into receiver = <u>1.5210</u> Meters.				

LOG Checked By:	Data File Name(s): (standard NGS Format = aaaaddds.xxx) aaa=4 character ID, ddd=Day of Year,
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GPS 77, 2" BRASS DISK STAMPED 77, LOCATED ON TOP OF THE H/WALL @ THE W. CORNER OF BRAND RD, THREE OAKS DR & BELLAIRE DR. INT. APPROX. 43' S.W. OF THREE OAKS DR. C/L & APPROX. 40' N.W. OF BRAND RD.C/L. \*\*\*COG MAP GRID D - 7\*\*\*MAPSCO 19 - D\*\*\*

Table of Weather				
Problem	Visibility	Temperature	Cloud Cover	Wind
NONE	GOOD	77°	NONE	3 - 5 MPH.
Any obstructions above 10° ?		( Y / N )	Radio Interference source nearby ?	
		( Y / N )		

RPLS: GSB      P.Chief: TG      Field Tech: KW      Field Tech: CW

## GPS Station Observation Log

Station Designation ( Check applicable: <input checked="" type="checkbox"/> GEO. CNTRL. <input type="checkbox"/> Trav. PT. <input type="checkbox"/> BM )		Station PID,if any:	DATE: 10/14/2005
Project Name: <b>Geodetic Monument</b>		Project Number: <b>GPS-079</b>	Stat.4-Char ID: _____ Day of Year: _____
NAD83 Latitude: <b>32 51 43.276</b>	NAD83 Longitude: <b>96 35 38.527</b>	NAD83 Ellipsoidal Height	Session ID: (A,B,C,etc.)
Observation Session Time		129.930 ft./meters	Agency Full Name: City of Garland
Sched. Start: _____ Stop: _____	NAVD88 Orthometric Height		Operator Full Name: Toney Gibson
Actual Start: <b>7:47 AM</b> Stop: <b>12:10 PM</b>		155.708 ft./meters	
Epoch Interval = _____ Seconds		GEOID03 Geoid Height	Phone# (972) 205 - 2157
Elevation Mask = _____ Degrees		ft./meters	E-mail: gbreysac@ci.garland.tx.us

Receiver Brand & Model: Topcon Hiper Lite-Internal Antenna		Comments: 4HRS STATIC DATA RECORDED.
Base: <input checked="" type="checkbox"/>	Rover:	NOTE: ELEV. IS ORTHO HT. CALC. BY OPUS.
P/N:01-840802-03	P/N:01-840802-03	
S/N: 263-0243	S/N: 263-0233	
ID:8QATEMNVCHS	ID:8OKPW2V2RR4	

** ANTENNA HEIGHT **		Meters	Feet	<b>NAD83 TXNC (4202)</b>
Slant Height to ARP:		1.762	5.78	N = 7001857.94508
Vertical Height to ARP:				E = 2553681.63147
				Z = 510.85200
				CSF = 0.99985767
Meters = Feet x (0.3048)		Note: &/or sketch <b>ANY</b> unusual conditions.be <b>Very Explicit</b> as to where and how <b>Measured</b> .		
Height Entered into receiver = <u>1.7282</u> Meters.				
LOG Checked By:	Data File Name(s):	(standard NGS Format = aaaadds.xxx) aaa=4 character ID, ddd=Day of Year,		



GPS 079 2" BRASS DISK STAMPED 79 IS LOCATED ON BACK INLET COR. IN FRONT OF 5218 HOPEWELL DR. APPROX. 15' SOUTH OF THE C/L OF HOPEWELL DR. \*\*\*COG MAP GRID L - 11\*\*\*MAPSCO 30 - W\*\*\*

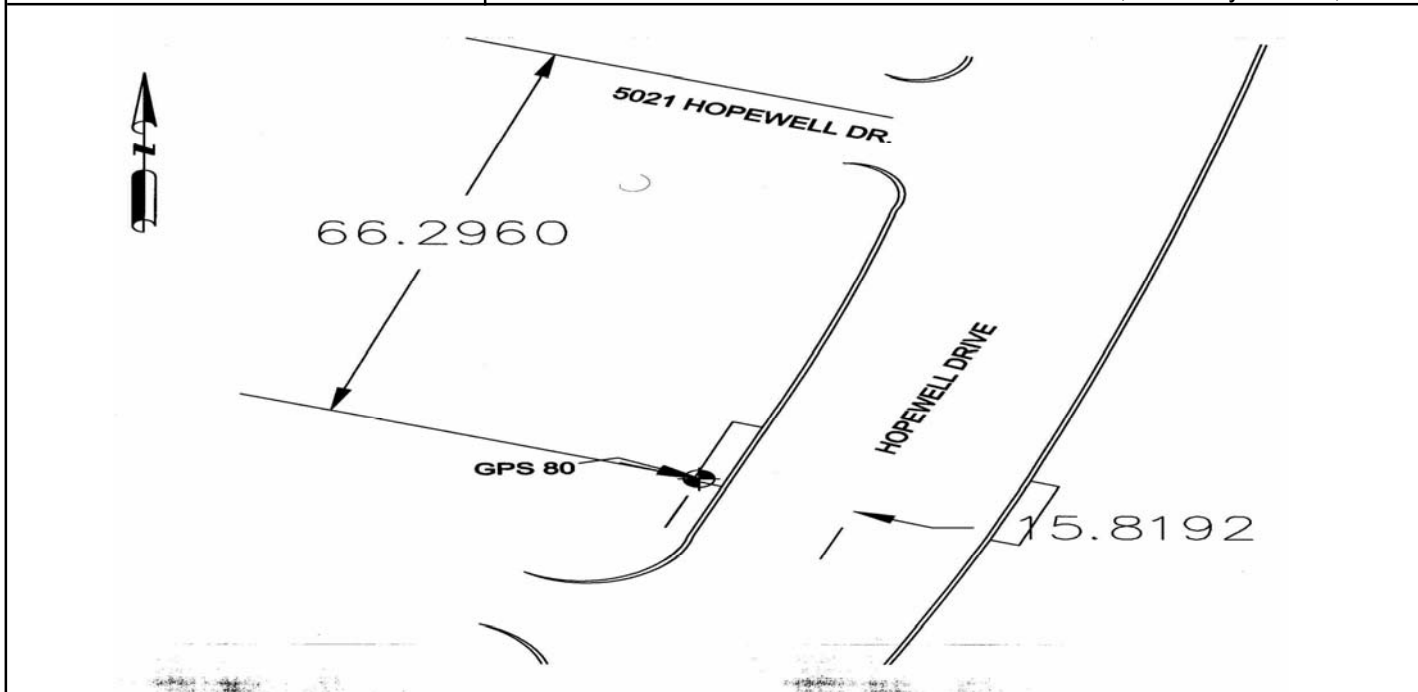
Table of Weather				
Problem	Visibility	Temperature	Cloud Cover	Wind
NONE	GOOD	65°	P/CLOUDY	0 - 5 MPH.
Any obstructions above 10° ?		( Y / N )	Radio Interference source nearby ?	( Y / N )
RPLS: <u>GSB</u>	P.Chief: <u>TG</u>	Field Tech: <u>KW</u>	Field Tech: <u>CW</u>	

### GPS Station Observation Log

Station Designation ( Check applicable: <input checked="" type="checkbox"/> GEO. CNTRL. <input type="checkbox"/> Trav. PT. <input type="checkbox"/> BM )		Station PID,if any:	DATE: 10/14/2005
Project Name: <b>Geodetic Monument</b>	Project Number: <b>GPS-080</b>	Stat.4-Char ID: _____	Day of Year: _____
NAD83 Latitude: <b>32 51 46.369</b>	NAD83 Longitude: <b>96 35 32.922</b>	Session ID: (A,B,C,etc.)	
Observation Session Time		125.896 ft./meters	
Sched. Start: _____ Stop: _____	NAVD88 Orthometric Height	Operator Full Name: Toney Gibson	
Actual Start: <b>7:50 AM</b> Stop: <b>12:20 PM</b>	151.669 ft./meters	Agency Full Name: City of Garland	
Epoch Interval = _____ Seconds	GEOID03 Geoid Height	Phone# (972) 205 - 2157	
Elevation Mask = _____ Degrees	ft./meters	E-mail: gbreysac@ci.garland.tx.us	

Receiver Brand & Model: Topcon Hiper Lite-Internal Antenna		Comments: 4HRS STATIC DATA RECORDED.	
Base:	Rover: <input checked="" type="checkbox"/>	NOTE: ELEV. IS ORTHO HT. CLAC. BY OPUS.	
P/N:01-840802-03	P/N:01-840802-03		
S/N: 263-0243	S/N: 263-0233		
ID:8QATEMNVCHS	ID:8OKPW2V2RR4		

** ANTENNA HEIGHT **		Meters	Feet	<b>NAD83 TXNC (4202)</b>
Slant Height to ARP:	1.549	5.085	N = 7002179.11241	
Vertical Height to ARP:			E = 2554153.92711	
			Z = 497.60071	
			CSF = 0.99985825	
Meters = Feet x (0.3048)	Note: &/or sketch <b>ANY</b> unusual conditions.be <b>Very Explicit</b> as to where and how <b>Measured</b> .			
Height Entered into receiver = <u>1.5164</u> Meters.				
LOG Checked By:	Data File Name(s):	(standard NGS Format = aaaadds.xxx) aaa=4 character ID, ddd=Day of Year,		



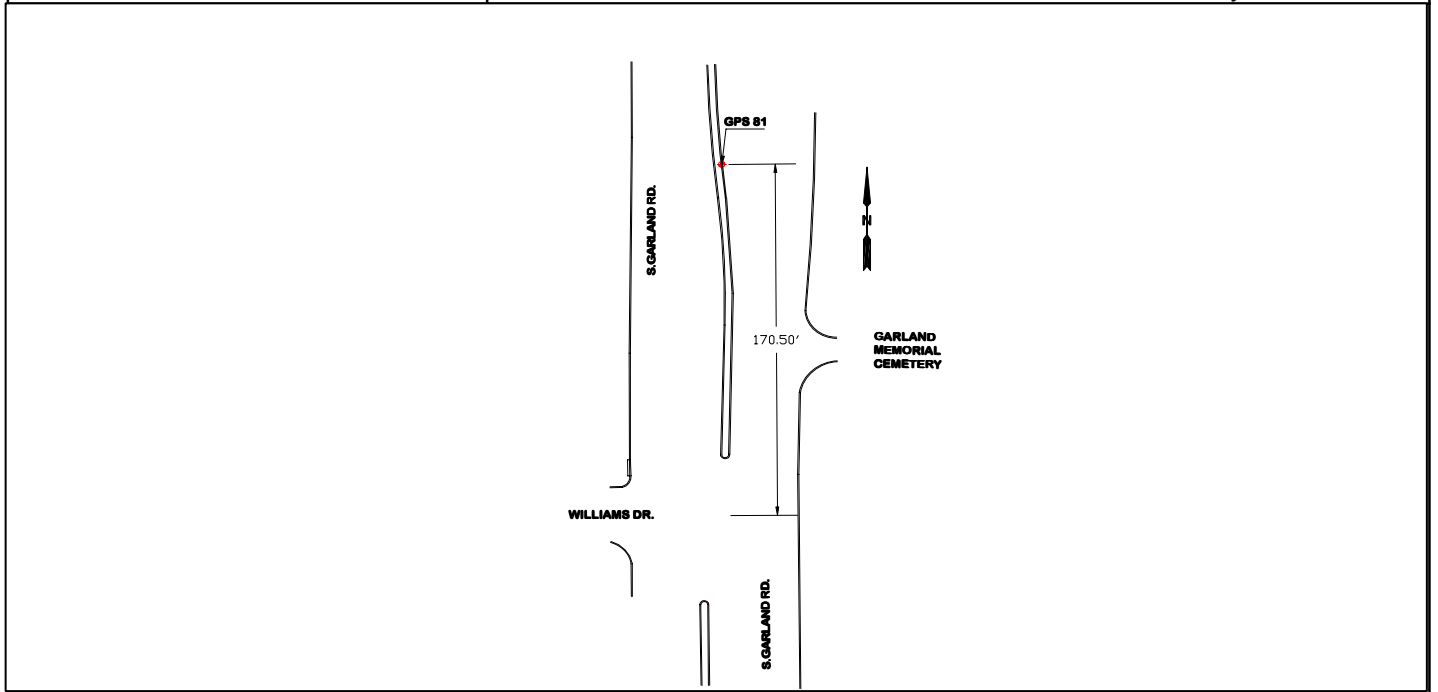
GPS #080 2" BRASS DISK STAMPED #80 IS LOCATED ON THE BACK INLET COR. APPROX. 16' WEST OF C/L OF HOPEWELL DR. AND APPROX. 66' SOUTH OF 5021 HOPEWELL DR. DRIVEWAY ENTRANCE.  
 \*\*\*COG MAP GRID L - 11\*\*\*MAPSCO 30 - W\*\*\*

Table of Weather				
Problem	Visibility	Temperature	Cloud Cover	Wind
NONE	GOOD	65°	P/CLOUDY	0 - 5 MPH.
Any obstructions above 10° ?		( Y / N )	Radio Interference source nearby ?	( Y / N )

RPLS: GSB P.Chief: TG Field Tech: KW Field Tech: CW

## GPS Station Observation Log

Station Designation ( Check applicable: <input checked="" type="checkbox"/> GEO. CNTRL. <input type="checkbox"/> Trav. PT. <input type="checkbox"/> BM )		Station PID, if any: GPS 81	DATE: 10/19/2005
Project Name: <b>Geodetic Monument</b>		Project Number: <b>GPS- 81</b>	Stat.4-Char ID: _____ Day of Year: _____
NAD83 Latitude: 32 53 53.50606	NAD83 Longitude: 96 38 55.41069	NAD83 Ellipsoidal Height 140.890 m   ft./meters	Session ID: (A,B,C,etc.)
Observation Session Time		NAVD88 Orthometric Height 166.810 m   ft./meters	Agency Full Name: <b>City of Garland</b>
Sched. Start: _____ Stop: _____	Actual Start: <b>11:06 AM</b> Stop: <b>3:06 PM</b>		Operator Full Name: Toney E. Gibson
Epoch Interval = <u>5</u> Seconds		GEOID03 Geoid Height	Phone# (972) 205 - 2157
Elevation Mask = _____ Degrees		ft./meters	E-mail: gbreysac@ci.garland.tx.us
Receiver Brand & Model: Topcon Hiper Lite-Internal Antenna		Comments: 4HRS STATIC DATA RECORDED.	
Base: <input checked="" type="checkbox"/>	Rover:	NOTE: ELEV. IS ORTHO HT. CALC. BY OPUS.	
P/N:01-840802-03	P/N:01-840802-03		
S/N: 263-0243	S/N: 263-0233		
ID:8QATEMNVCHS	ID:8OKPW2V2RR4		
** ANTENNA HEIGHT **		Meters	Feet
Slant Height to ARP:		1.599	5.25
Vertical Height to ARP:			N = 7014716.31831 E = 2536660.24163 Z = 547.27581 CSF = 0.99985407
Meters = Feet x (0.3048) Height Entered into receiver = <u>1.6307</u> Meters.		Note: &/or sketch <b>ANY</b> unusual conditions. be <b>Very Explicit</b> as to where and how <b>Measured</b> .	
LOG Checked By:	Data File Name(s):	(standard NGS Format = aaaadds.xxx) aaa=4 character ID, ddd=Day of Year,	



GPS 81, 2" BRASS DISK STAMPED 81, SET IN MEDIAN CURB ON THE N. BOUND SIDE OF S. GARLAND AVE. APPROX. 170' N. OF S. GARLAND AVE. & WILLIAMS DR C/L/ INT. WEST OF CEMETERY.  
 \*\*\*COG MAP GRID I-6\*\*\*MAPSCO 29-G\*\*\*

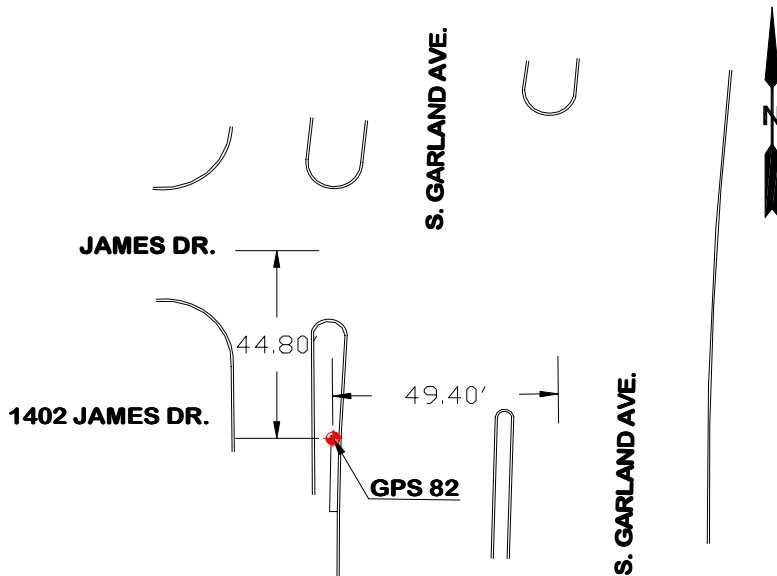
### Table of Weather

Problem	Visibility	Temperature	Cloud Cover	Wind
NONE	GOOD	82°	CLEAR	5 - 10 MPH
Any obstructions above 10° ?		( Y / N )	Radio Interference source nearby ? ( Y / N )	

RPLS: GSB P.Chief: TG Field Tech: KW Field Tech: CW

## GPS Station Observation Log

Station Designation ( Check applicable: <input checked="" type="checkbox"/> GEO. CNTRL. <input type="checkbox"/> Trav. PT. <input type="checkbox"/> BM )		Station PID, if any: GPS 082	DATE: 10/19/2005
Project Name: <b>Geodetic Monument</b>		Project Number: <b>GPS-082</b>	
NAD83 Latitude: 32 54 22.22014		NAD83 Longitude: 96 38 55.87458	
Observation Session Time		135.523 ft./meters	
Sched. Start: _____ Stop: _____		NAVD88 Orthometric Height	
Actual Start: 11:15 AM Stop: 3:15 PM		161.439 ft./meters	
Epoch Interval = 10 Seconds		GEOID03 Geoid Height	
Elevation Mask = _____ Degrees		ft./meters	
Receiver Brand & Model: Topcon Hiper Lite-Internal Antenna		Comments: 4HRS STATIC DATA RECORDED.	
Base:		Rover: <input checked="" type="checkbox"/>	
P/N: 01-840802-03		NOTE: ELEV. IS ORTHO HT. CALC. BY OPUS.	
S/N: 263-0243		P/N: 01-840802-03	
ID: 8QATEMNVCHS		S/N: 263-0233	
ID: 8OKPW2V2RR4			
** ANTENNA HEIGHT **		Meters	Feet
Slant Height to ARP:		1.616	5.30
Vertical Height to ARP:			
Meters = Feet x (0.3048)		Note: &/or sketch ANY unusual conditions. be <b>Very Explicit</b> as to where and how <b>Measured</b> .	
Height Entered into receiver = 1.5819 Meters.			
LOG Checked By:	Data File Name(s):	(standard NGS Format = aaaadds.xxx) aaa=4 character ID, ddd=Day of Year,	



GPS 82, 2" BRASS DISK STAMPED 82 LOCATED ON INLET TOP ON S. GARLAND AVE. @ S.W. COR. OF S. GARLAND & JAMES DR INT. APPROX. 44.80' S. OF JAMES DR C/L & APPROX. 49' W. OF S. GARLAND AVE. C/L.  
 \*\*\*COG MAP GRID H-6\*\*\*MAPSCO 29-C\*\*\*

### Table of Weather

Problem	Visibility	Temperature	Cloud Cover	Wind
NONE	GOOD	82°	CLEAR	5 - 10 MPH
Any obstructions above 10° ?		( Y / N )	Radio Interference source nearby ? ( Y / N )	
RPLS: <u>GSB</u>	P.Chief: <u>TG</u>	Field Tech: <u>KW</u>	Field Tech: <u>CW</u>	

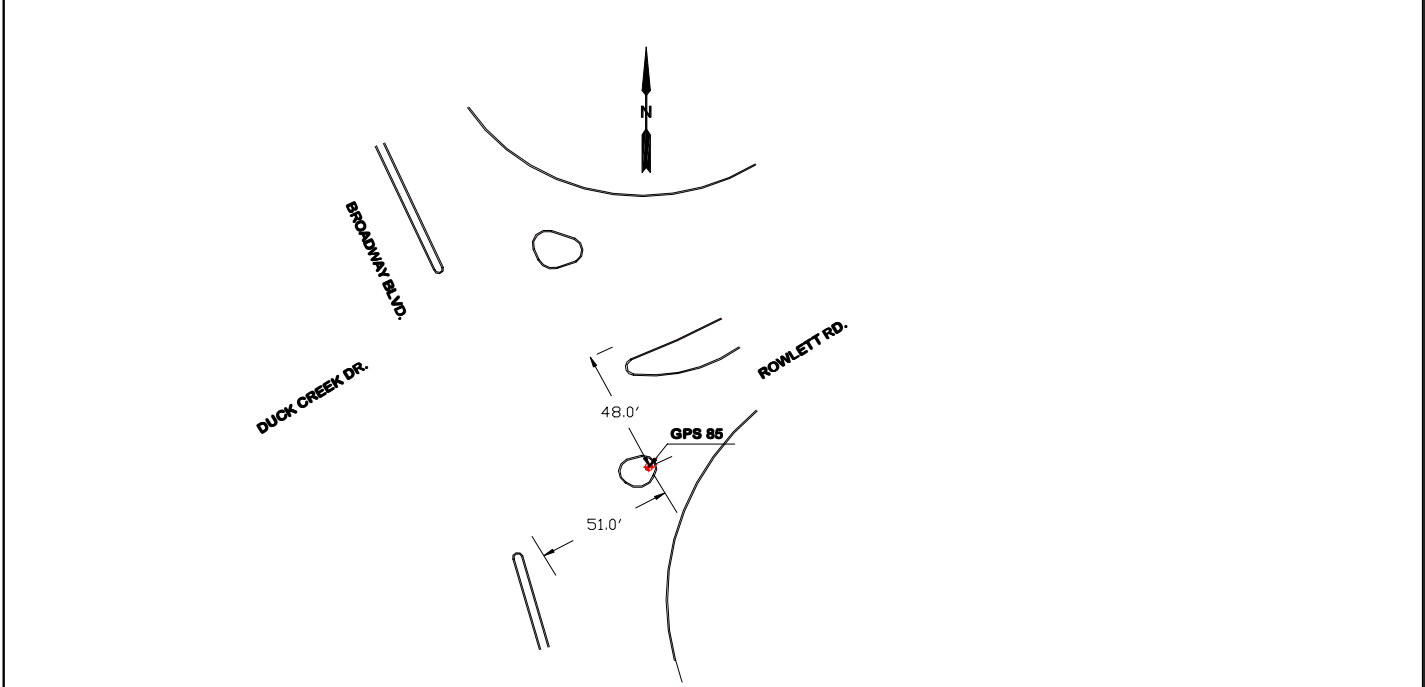
## GPS Station Observation Log

Station Designation ( Check applicable: <input checked="" type="checkbox"/> GEO. CNTRL. <input type="checkbox"/> Trav. PT. <input type="checkbox"/> BM )		Station PID, if any: GPS 085	DATE: 11/30/2005
Project Name: <b>Geodetic Monument</b>		Project Number: <b>GPS-085</b>	
NAD83 Latitude: 32 50 46.24847		NAD83 Longitude: 96 35 43.62165	
Observation Session Time		128.350 ft./meters	
Sched. Start: _____ Stop: _____		NAVD88 Orthometric Height	
Actual Start: 10:10 AM Stop: 2:17 PM		154.140 ft./meters	
Epoch Interval = 10 Seconds		GEOID03 Geoid Height	
Elevation Mask = _____ Degrees		ft./meters	
Receiver Brand & Model: Topcon Hiper Lite-Internal Antenna		Comments: 4 HRS STATIC DATA RECORDED.	

Base:	Rover: <u>X</u>	NOTE: ELEV. IS ORTHO HT. CALC. BY OPUS
P/N:01-840802-03	P/N:01-840802-03	
S/N: 863-0243	S/N: 263-0233	
ID:8QATEMNVCHS	ID:8OKPW2V2RR4	

** ANTENNA HEIGHT **	<b>Meters</b>	<b>Feet</b>	<b>NAD83 TXNC (4202)</b>
Slant Height to ARP:	1.630 m	5.35	N = 6996087.91396 E = 2553351.66166
Vertical Height to ARP:			Z = 505.70765 CSF = 0.99985887
Meters = Feet x (0.3048) Height Entered into receiver = 1.5972 Meters.	Note: &/or sketch <b>ANY</b> unusual conditions. be <b>Very Explicit</b> as to where and how <b>Measured</b> .		

LOG Checked By:	Data File Name(s):	(standard NGS Format = aaaadds.xxx) aaa=4 character ID, ddd=Day of Year,
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GPS 85, 2" BRASS DISK STAMPED 85, LOCATED IN THE CONCRETE MEDIAN BETWEEN N. BOUND LANE OF BROADWAY BLVD. AND E. BOUND LANE OF ROWLETT RD. TURN LANE. APPROX. 48' S.E. OF THE INT. OF BROADWAY BLVD. AND ROWLETT RD & APPROX. 51' N.E. OF BROADWAY C/L.

***COG MAP GRID N-10***		<b>Table of Weather</b>		***MAPSCO 40-E***	
Problem	Visibility	Temperature	Cloud Cover	Wind	
NONE	GOOD	43°	CLEAR	10 - 15 MPH	
Any obstructions above 10° ?		( Y / N )	Radio Interference source nearby ?		( Y / N )

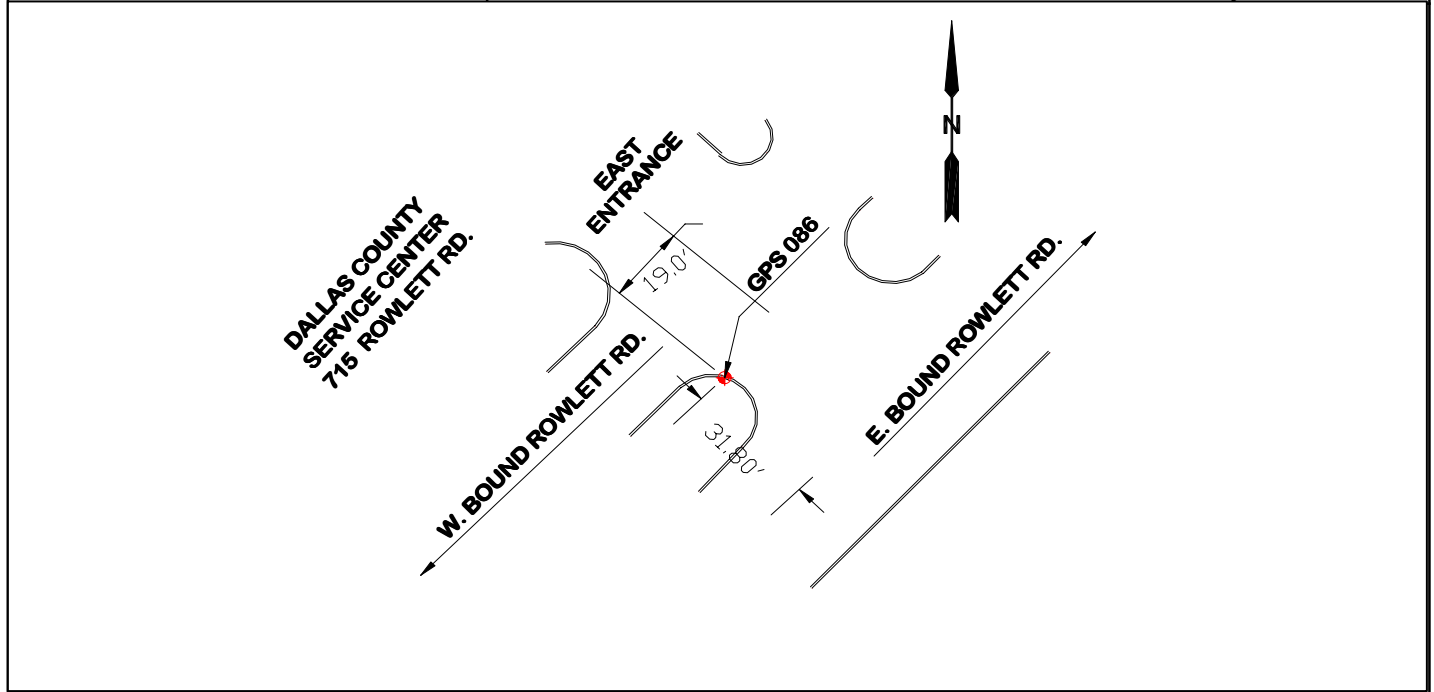
RPLS: GSB P.Chief: TG Field Tech: KW Field Tech: CW

## GPS Station Observation Log

Station Designation ( Check applicable: <input checked="" type="checkbox"/> GEO. CNTRL. <input type="checkbox"/> Trav. PT. <input type="checkbox"/> BM )		Station PID, if any: GPS 086	DATE: 11/30/2005
Project Name: <b>Geodetic Monument</b>		Project Number: <b>GPS-086</b>	
NAD83 Latitude: 32 51 00.14237		NAD83 Longitude: 96 35 25.66748	
Observation Session Time		124.401 ft./meters	
Sched. Start: _____ Stop: _____		NAVD88 Orthometric Height	
Actual Start: 10:13 AM Stop: 2:20 PM		150.175 ft./meters	
Epoch Interval = 10 Seconds		GEOID03 Geoid Height	
Elevation Mask = _____ Degrees		ft./meters	
Receiver Brand & Model: Topcon Hiper Lite-Internal Antenna		Comments: 4 HRS STATIC DATA RECORDED.	
Base: <input checked="" type="checkbox"/>		Rover:	
P/N: 01-840802-03		P/N: 01-840802-03	
S/N: 863-0243		S/N: 263-0233	
ID: 8QATEMNVCHS		ID: 8OKPW2V2RR4	

** ANTENNA HEIGHT **		Meters	Feet	<b>NAD83 TXNC (4202)</b>
Slant Height to ARP:		1.630	5.35	N = 6997519.56136
Vertical Height to ARP:				E = 2554857.46901
Meters = Feet x (0.3048)		Note: &/or sketch ANY unusual conditions. be Very Explicit as to where and how Measured.		
Height Entered into receiver = 1.5972 Meters.		Z = 492.69915		
		CSF = 0.99985925		

LOG Checked By: \_\_\_\_\_ Data File Name(s): \_\_\_\_\_ (standard NGS Format = aaaadds.xxx)  
 aaa=4 character ID, ddd=Day of Year,



GPS 086, 2" BRASS DISK STAMPED 86, LOCATED IN POC OF CURB, CENTER MEDIAN OF ROWLETT RD. AT THE FAR EAST ENTRANCE INTO DALLAS COUNTY SERVICE CENTER AT 715 ROWLETT RD.  
 \*\*\*COG MAP GRID M-11\*\*\*MAPSCO 40-A\*\*\*

### Table of Weather

Problem	Visibility	Temperature	Cloud Cover	Wind
NONE	GOOD	43°	CLEAR	10 - 15 MPH
Any obstructions above 10° ?		( Y / N )	Radio Interference source nearby ? ( Y / N )	

RPLS: GSB P.Chief: TG Field Tech: KW Field Tech: CW



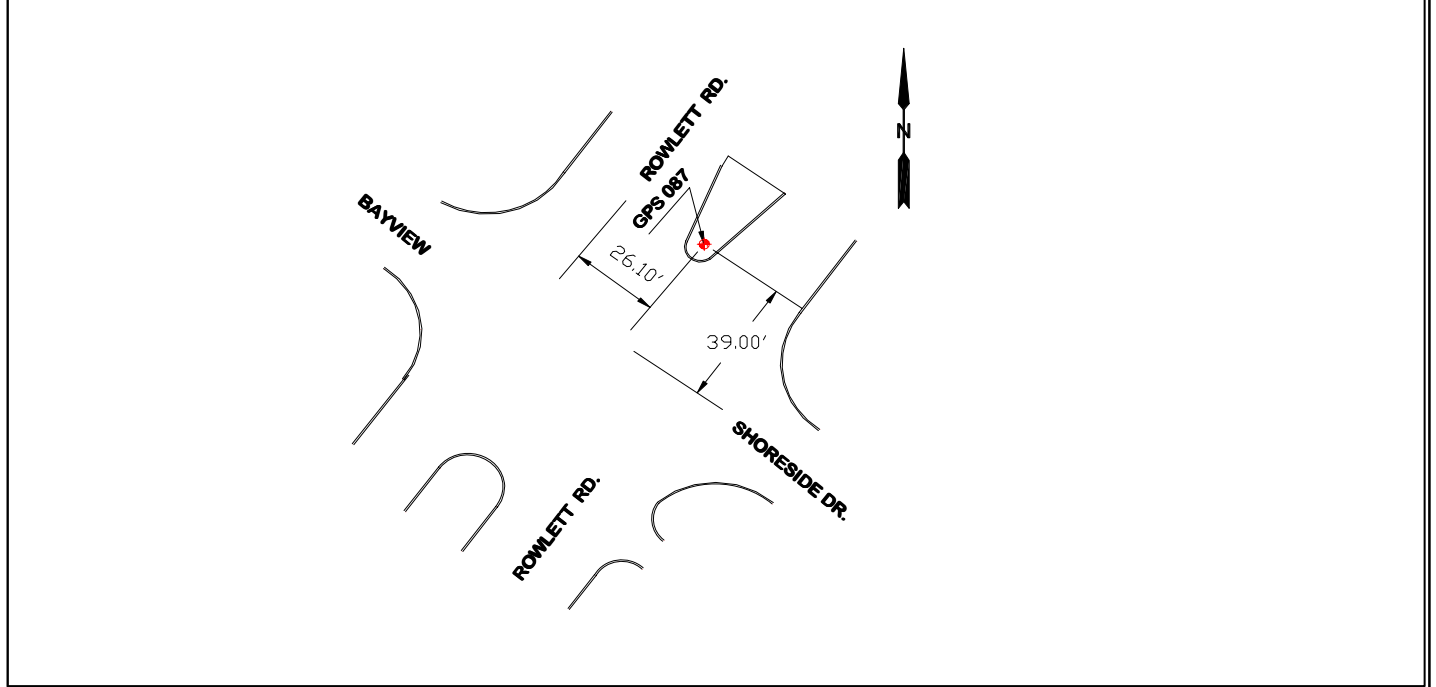
## GPS Station Observation Log

Station Designation ( Check applicable: <input checked="" type="checkbox"/> GEO. CNTRL. <input type="checkbox"/> Trav. PT. <input type="checkbox"/> BM )		Station PID, if any: GPS 087	DATE: 4/22/2004
Project Name: <b>Geodetic Monument</b>		Project Number: <b>GPS-087</b>	
NAD83 Latitude: 32 51 37.92012		NAD83 Longitude: 96 34 39.38667	
Observation Session Time		125.673 ft./meters	
Sched. Start: _____ Stop: _____		NAVD88 Orthometric Height	
Actual Start: 9:55 AM Stop: 1:40 PM		151.407 ft./meters	
Epoch Interval = 5 Seconds		GEOID03 Geoid Height	
Elevation Mask = _____ Degrees		ft./meters	
Receiver Brand & Model: Topcon Hiper Lite-Internal Antenna		Comments: 4HRS STATIC DATA RECORDED.	

Base:	Rover: <input checked="" type="checkbox"/>	NOTE: ELEV. IS ORTHO HT. CALC. BY OPUS.
P/N:01-840802-03	P/N:01-840802-03	
S/N: 263-0243	S/N: 263-0233	
ID:8QATEMNVCHS	ID:8OKPW2V2RR4	

** ANTENNA HEIGHT **	Meters	Feet	NAD83 TXNC (4202)
Slant Height to ARP:	1.665	5.465	N = 7001408.63823
			E = 2558734.77097
Vertical Height to ARP:			Z = 496.74113
			CSF = 0.99985842
Meters = Feet x (0.3048) Height Entered into receiver = 1.632 Meters.	Note: &/or sketch ANY unusual conditions. be <b>Very Explicit</b> as to where and how <b>Measured</b> .		

LOG Checked By:	Data File Name(s):	(standard NGS Format = aaaadds.xxx) aaa=4 character ID, ddd=Day of Year,
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GPS 087, 2" BRASS DISK STAMPED 87 LOCATED IN THE C/L MEDIAN NOSE APPROX. 39' N. OF ROWLETT RD, & SHORESIDE DR INT. ON ROWLETT RD. APPROX. 26' W. OF S. BOUND ROWLETT RD C/L.  
 \*\*\*COG MAP GRID L-12\*\*\*MAPSCO 30-X\*\*\*

### Table of Weather

Problem	Visibility	Temperature	Cloud Cover	Wind
NONE	GOOD	68°	CLOUDY	30 MPH
Any obstructions above 10° ?		( Y / N )	Radio Interference source nearby ? ( Y / N )	

RPLS: GSB P.Chief: TG Field Tech: KW Field Tech: CW

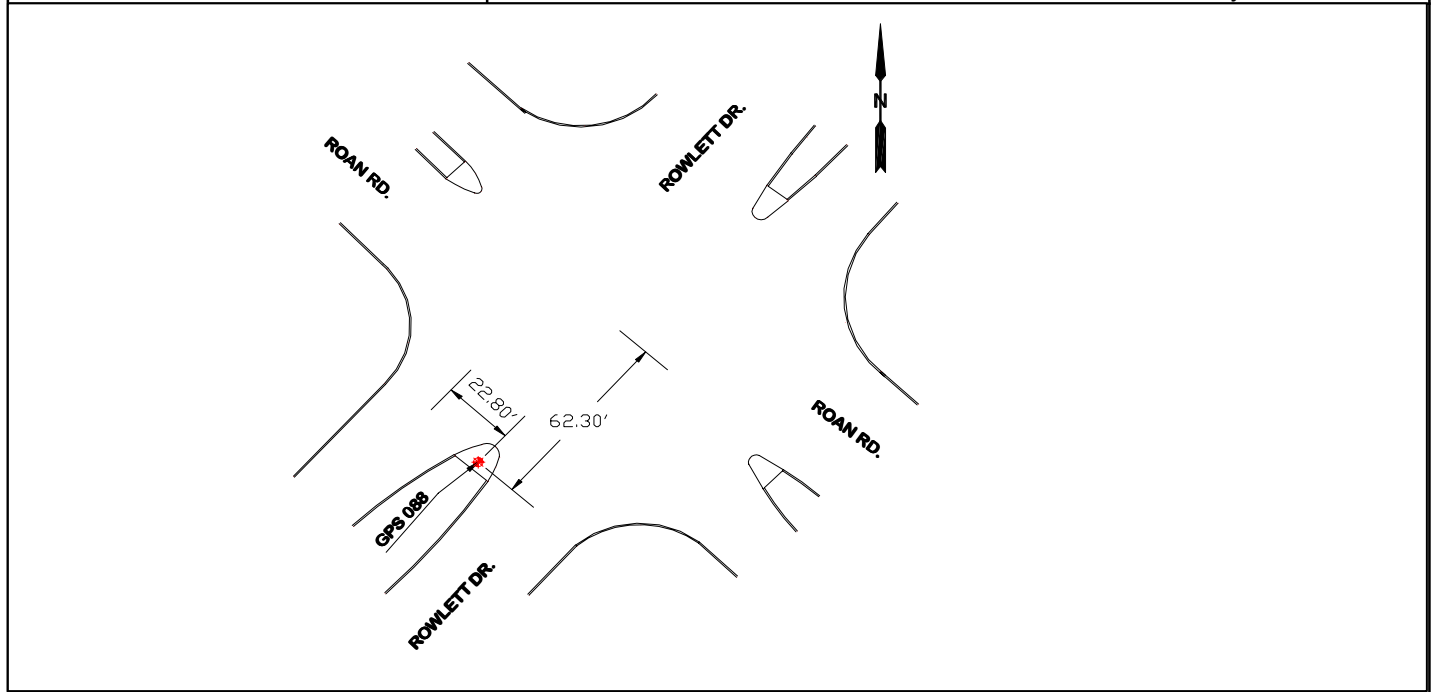
## GPS Station Observation Log

Station Designation ( Check applicable: <input checked="" type="checkbox"/> GEO. CNTRL. <input type="checkbox"/> Trav. PT. <input type="checkbox"/> BM )		Station PID, if any: GPS 088	DATE: 4/22/2004
Project Name: <b>Geodetic Monument</b>		Project Number: <b>GPS-088</b>	
NAD83 Latitude: 32 51 46.96965		NAD83 Longitude: 96 34 29.15311	
Observation Session Time		127.054 ft./meters	
Sched. Start: _____ Stop: _____		NAVD88 Orthometric Height	
Actual Start: 11:20 AM Stop: 3:20 PM		152.779 ft./meters	
Epoch Interval = 5 Seconds		GEOID03 Geoid Height	
Elevation Mask = _____ Degrees		ft./meters	
Receiver Brand & Model: Topcon Hiper Lite-Internal Antenna		Comments: 4HRS STATIC DATA RECORDED.	

Base: <input checked="" type="checkbox"/>	Rover:	NOTE: ELEV. IS ORTHO HT. CALC. BY OPUS.
P/N:01-840802-03	P/N:01-840802-03	
S/N: 263-0243	S/N: 263-0233	
ID:8QATEMNVCHS	ID:8OKPW2V2RR4	

** ANTENNA HEIGHT **	<b>Meters</b>	<b>Feet</b>	<b>NAD83 TXNC (4202)</b>
Slant Height to ARP:	1.699	5.57	N = 7002338.98742
Vertical Height to ARP:			E = 2559590.70102
			Z = 501.24244
			CSF = 0.99985806
Meters = Feet x (0.3048) Height Entered into receiver = 1.664 Meters.	Note: &/or sketch <b>ANY</b> unusual conditions. be <b>Very Explicit</b> as to where and how <b>Measured</b> .		

LOG Checked By:	Data File Name(s):	(standard NGS Format = aaaadds.xxx) aaa=4 character ID, ddd=Day of Year,
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GPS 088, 2" BRASS DISK STAMPED 88 LOCATED IN C/L MEDIAN NOSE APPROX. 62' S. OF THE C/L INT. OF ROWLETT RD & ROAN RD. APPROX. 23' E. OF C/L OF S. BOUND ROWLETT RD.  
 \*\*\*COG MAP GRID L-12\*\*\*MAPSCO 30-Y\*\*\*

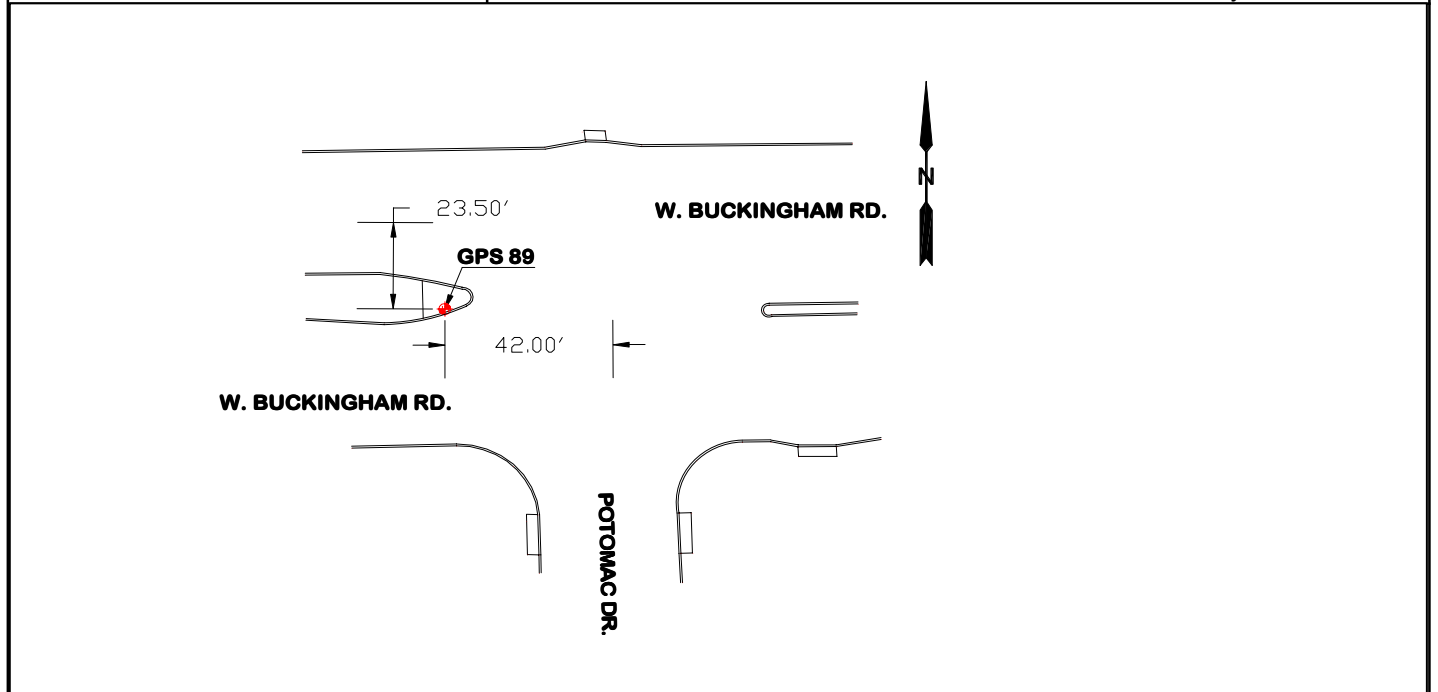
### Table of Weather

Problem	Visibility	Temperature	Cloud Cover	Wind
NONE	GOOD	68°	CLOUDY	30 MPH
Any obstructions above 10° ?		( Y / N )	Radio Interference source nearby ? ( Y / N )	

RPLS: GSB P.Chief: TG Field Tech: KW Field Tech: CW

## GPS Station Observation Log

Station Designation ( Check applicable: <input checked="" type="checkbox"/> GEO. CNTRL. <input type="checkbox"/> Trav. PT. <input type="checkbox"/> BM )		Station PID, if any: GPS 089	DATE: 10/28/2004
Project Name: <b>Geodetic Monument</b>		Project Number: <b>GPS- 089</b>	
NAD83 Latitude: 32 55 52.07992		NAD83 Longitude: 96 40 16.36417	
Observation Session Time		151.114 ft./meters	
Sched. Start: _____ Stop: _____		NAVD88 Orthometric Height	
Actual Start: 1:00 PM Stop: 5:00 PM		177.086 ft./meters	
Epoch Interval = 5 Seconds		GEOID03 Geoid Height	
Elevation Mask = _____ Degrees		ft./meters	
Receiver Brand & Model: Topcon Hiper Lite-Internal Antenna		Comments: 4HRS STATIC DATA RECORDED.	
Base: <input checked="" type="checkbox"/> Rover: _____		NOTE: ELEV. IS ORTHO HT. CALC. BY OPUS.	
P/N:01-840802-03		P/N:01-840802-03	
S/N: 263-0243		S/N: 263-0233	
ID:8QATEMNVCHS		ID:8OKPW2V2RR4	
** ANTENNA HEIGHT **		<b>NAD83 TXNC (4202)</b>	
Slant Height to ARP:		Meters	Feet
		1.610	5.285
Vertical Height to ARP:			
Meters = Feet x (0.3048)		Note: &/or sketch <b>ANY</b> unusual conditions. be <b>Very Explicit</b> as to	
Height Entered into receiver = 1.5773 Meters.		where and how <b>Measured</b> .	
LOG Checked By:	Data File Name(s):	(standard NGS Format = aaaadds.xxx) aaa=4 character ID, ddd=Day of Year,	



GPS 89, 2" BRASS DISK STAMPED 89 LOCATED IN THE W. MEDIAN NOSE ON BUCKINGHAM RD. APPROX. 23' S. OF BUCKINGHAM RD. W. BOUND LANE C/L. & APPROX. 42' W. OF BUCKINGHAM RD. & POTOMAC DR. INT. C/L.  
 \*\*\*COG MAP GRID F-4\*\*\*MAPSCO 18-R\*\*\*

### Table of Weather

Problem	Visibility	Temperature	Cloud Cover	Wind
NONE	GOOD	78°	CLOUDY	0 - 5 MPH
Any obstructions above 10° ?		( Y / N )	Radio Interference source nearby ?	
		( Y / N )		

RPLS: GSB P.Chief: TG Field Tech: KW Field Tech: CW

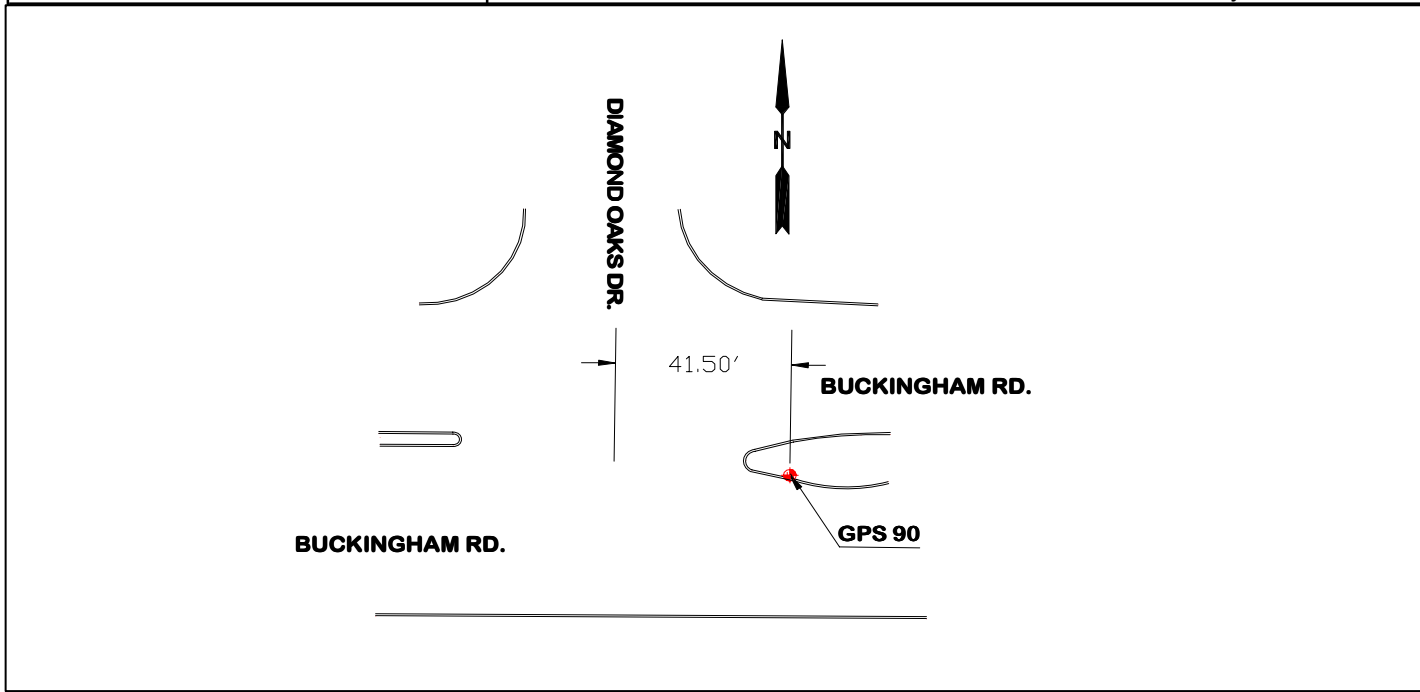
## GPS Station Observation Log

Station Designation ( Check applicable: <input checked="" type="checkbox"/> GEO. CNTRL. <input type="checkbox"/> Trav. PT. <input type="checkbox"/> BM )		Station PID, if any: GPS 090	DATE: 10/28/2004
Project Name: <b>Geodetic Monument</b>		Project Number: <b>GPS-090</b>	
NAD83 Latitude: 32 55 52.08929	NAD83 Longitude: 96 40 31.78683	Stat.4-Char ID: _____	Day of Year: _____
Observation Session Time		NAD83 Ellipsoidal Height 155.013 ft./meters	
Sched. Start: _____ Stop: _____	NAVD88 Orthometric Height 180.999 ft./meters		Session ID: (A,B,C,etc.)
Actual Start: 1:00 PM Stop: 5:00 PM		Agency Full Name: <b>City of Garland</b>	
Epoch Interval = <u>5</u> Seconds		Operator Full Name: Toney E. Gibson	
Elevation Mask = _____ Degrees		Phone# (972) 205 - 2157	
Receiver Brand & Model: Topcon Hiper Lite-Internal Antenna		E-mail: gbreysac@ci.garland.tx.us	

Comments: 4HRS STATIC DATA RECORDED.	
Base:	Rover: <u>X</u>
NOTE: ELEV. IS ORTHO HT. CALC. BY OPUS.	
P/N:01-840802-03	P/N:01-840802-03
S/N: 263-0243	S/N: 263-0233
ID:8QATEMNVCHS	ID:8OKPW2V2RR4

** ANTENNA HEIGHT **		<b>Meters</b>	<b>Feet</b>	<b>NAD83 TXNC (4202)</b>
Slant Height to ARP:	1.635	5.36	N = 7026554.55579	
Vertical Height to ARP:			E = 2528236.83328	
			Z = 593.82755	
			CSF = 0.99985049	
Meters = Feet x (0.3048)	Note: &/or sketch <b>ANY</b> unusual conditions. be <b>Very Explicit</b> as to where and how <b>Measured</b> .			
Height Entered into receiver = <u>1.6002</u> Meters.				

LOG Checked By:	Data File Name(s):	(standard NGS Format = aaaadds.xxx) aaa=4 character ID, ddd=Day of Year,
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GPS 090, 2" BRASS DISK STAMPED 90, LOCATED IN THE E. MEDIAN NOSE @ THE INT. OF BUCKINGHAM & DIAMOND OAKS APPROX. 41' E. OF BUCKINGHAM & DIAMOND OAKS C/L INT.  
 \*\*\*COG MAP GRID F-4\*\*\*MAPSCO 18-R\*\*\*

### Table of Weather

Problem	Visibility	Temperature	Cloud Cover	Wind
NONE	GOOD	78°	CLOUDY	5 - 10 MPH
Any obstructions above 10° ?		( Y / N )	Radio Interference source nearby ?	( Y / N )

RPLS: GSB P.Chief: TG Field Tech: KW Field Tech: CW

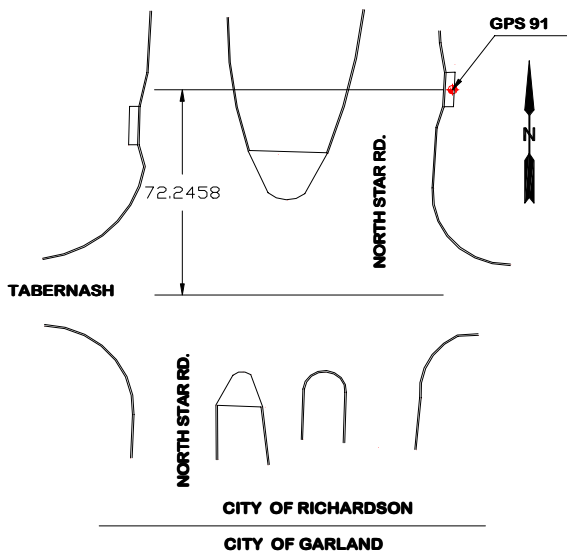
## GPS Station Observation Log

Station Designation	( Check applicable: <input checked="" type="checkbox"/> GEO. CNTRL. <input type="checkbox"/> Trav. PT. <input type="checkbox"/> BM )	Station PID, if any:	DATE:
		GPS 091	1/30/2006
Project Name: <b>Geodetic Monument</b>	Project Number: <b>GPS-091</b>	Stat. 4-Char ID: _____	Day of Year: _____
NAD83 Latitude: 32 59 08.04067	NAD83 Longitude: 96 38 26.27005	Session ID: (A,B,C,etc.)	
Observation Session Time		142.393 ft./meters	
Sched. Start: _____ Stop: _____	NAVD88 Orthometric Height	Operator Full Name: Toney E. Gibson	
Actual Start: 8:00 AM Stop: 12:05 PM	168.245 ft./meters	Agency Full Name: <b>City of Garland</b>	
Epoch Interval = 10 Seconds	GEOID03 Geoid Height	Phone# (972) 205 - 2157	
Elevation Mask = _____ Degrees	ft./meters	E-mail: gbreysac@ci.garland.tx.us	

Receiver Brand & Model: Topcon Hiper Lite-Internal Antenna		Comments: 4HRS STATIC DATA RECORDED.
Base: <input checked="" type="checkbox"/>	Rover:	NOTE: ELEV. IS ORTHO HT. CALC. BY OPUS.
P/N: 01-840802-03	P/N: 01-840802-03	
S/N: 263-0243	S/N: 263-0233	
ID: 8QATEMNVCHS	ID: 8OKPW2V2RR4	

** ANTENNA HEIGHT **	<b>Meters</b>	<b>Feet</b>	<b>NAD83 TXNC (4202)</b>
Slant Height to ARP:	1.708	5.57	N = 7046541.55650 E = 2538581.67480
Vertical Height to ARP:			Z = 551.98380 CSF = 0.99985093
Meters = Feet x (0.3048) Height Entered into receiver = 1.6642 Meters.	Note: &/or sketch <b>ANY</b> unusual conditions. be <b>Very Explicit</b> as to where and how <b>Measured</b> .		

LOG Checked By:	Data File Name(s):	(standard NGS Format = aaaadds.xxx) aaa=4 character ID. ddd=Day of Year.
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GPS 091, 2" BRASS DISK STAMPED 91, LOCATED ON INLET TOP APPROX. 72" N. OF N. STAR (N. GARLAND RD) & TABERNASH INT. C/L. MONUMENT IS LOCATED IN THE CITY OF RICHARDSON.

\*\*\*COG MAP GRID A-7\*\*\*\*MAPSCO 9-M\*\*\*

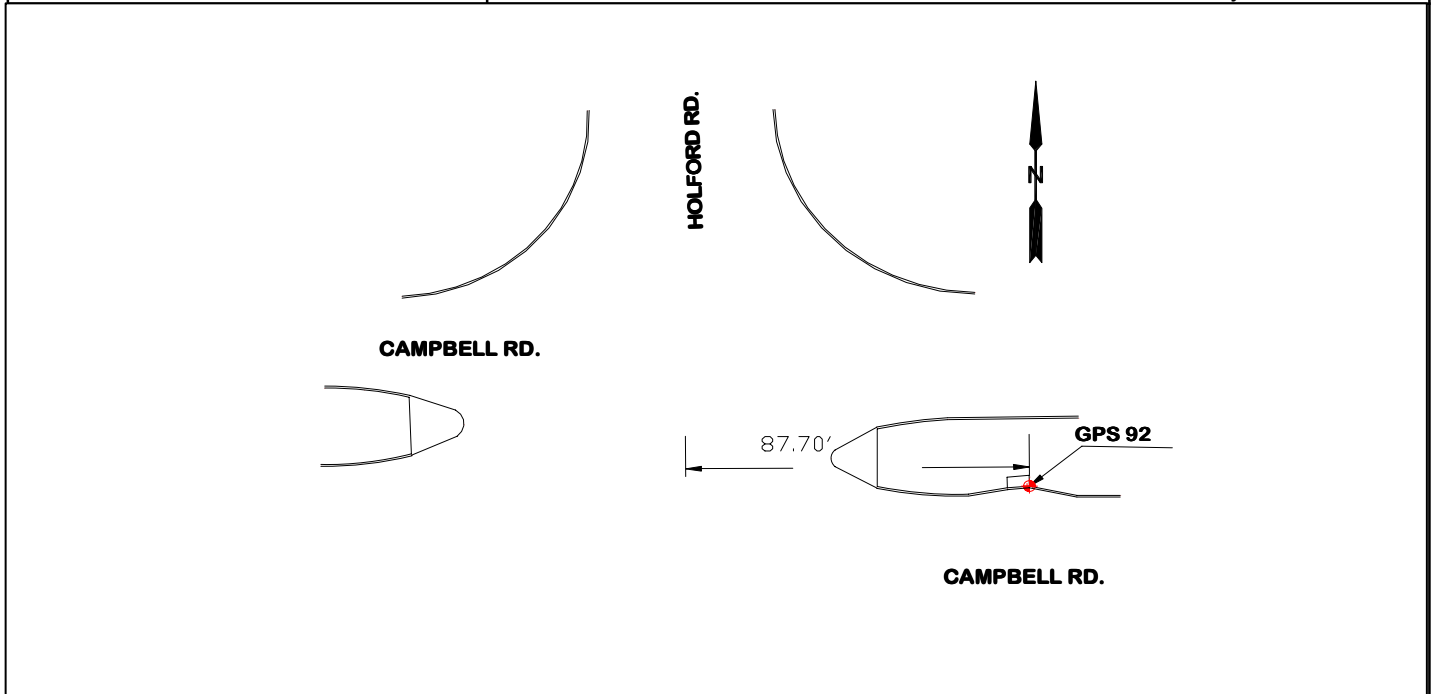
### Table of Weather

Problem	Visibility	Temperature	Cloud Cover	Wind
NONE	GOOD	50°	CLEAR	5 - 10 MPH
Any obstructions above 10° ?		( Y / N )	Radio Interference source nearby ? ( Y / N )	

RPLS: GSB P.Chief: TG Field Tech: KW Field Tech: CW

## GPS Station Observation Log

Station Designation ( Check applicable: <input checked="" type="checkbox"/> GEO. CNTRL. <input type="checkbox"/> Trav. PT. <input type="checkbox"/> BM )		Station PID, if any: GPS 092	DATE: 11/22/2005
Project Name: <b>Geodetic Monument</b>		Project Number: <b>GPS-092</b>	Stat. 4-Char ID: _____ Day of Year: _____
NAD83 Latitude: 32 58 57.29572	NAD83 Longitude: 96 38 51.08281	NAD83 Ellipsoidal Height	Session ID: (A,B,C,etc.)
Observation Session Time		143.835 ft./meters	Agency Full Name: <b>City of Garland</b>
Sched. Start: _____ Stop: _____	NAVD88 Orthometric Height		Operator Full Name: Toney E. Gibson
Actual Start: <b>7:35 AM</b> Stop: <b>11:40 AM</b>		ft./meters	
Epoch Interval = <u>10</u> Seconds		GEOID03 Geoid Height	Phone# (972) 205 - 2157
Elevation Mask = _____ Degrees		ft./meters	E-mail: gbreysac@ci.garland.tx.us
Receiver Brand & Model: Topcon Hiper Lite-Internal Antenna		Comments: 4 HRS STATIC DATA RECORDED.	
Base:	Rover: <u>X</u>	NOTE: ELEV. IS ORTHO. HT. CALC. BY OPUS.	
P/N: 01-840802-03	P/N: 01-840802-03		
S/N: 863-0243	S/N: 263-0233		
ID: 8QATEMNVCHS	ID: 8OKPW2V2RR4		
** ANTENNA HEIGHT **		Meters	Feet
Slant Height to ARP:		1.473	4.83
Vertical Height to ARP:			
Meters = Feet x (0.3048)		Note: &/or sketch <b>ANY</b> unusual conditions. be <b>Very Explicit</b> as to where and how <b>Measured</b> .	
Height Entered into receiver = <u>1.4387</u> Meters.			
LOG Checked By:	Data File Name(s):	(standard NGS Format = aaaadds.xxx) aaa=4 character ID, ddd=Day of Year,	



GPS 092, 2" BRASS DISK STAMPED 92, SET ON INLET TOP IN CAMPBELL RD. C/L MEDIAN APPROX. 87' E. OF CAMPBELL RD. AND HOLFORD RD. INT. C/L  
 \*\*\*COG MAP GRID A-6\*\*\*MAPSCO 9-Q\*\*\*

### Table of Weather

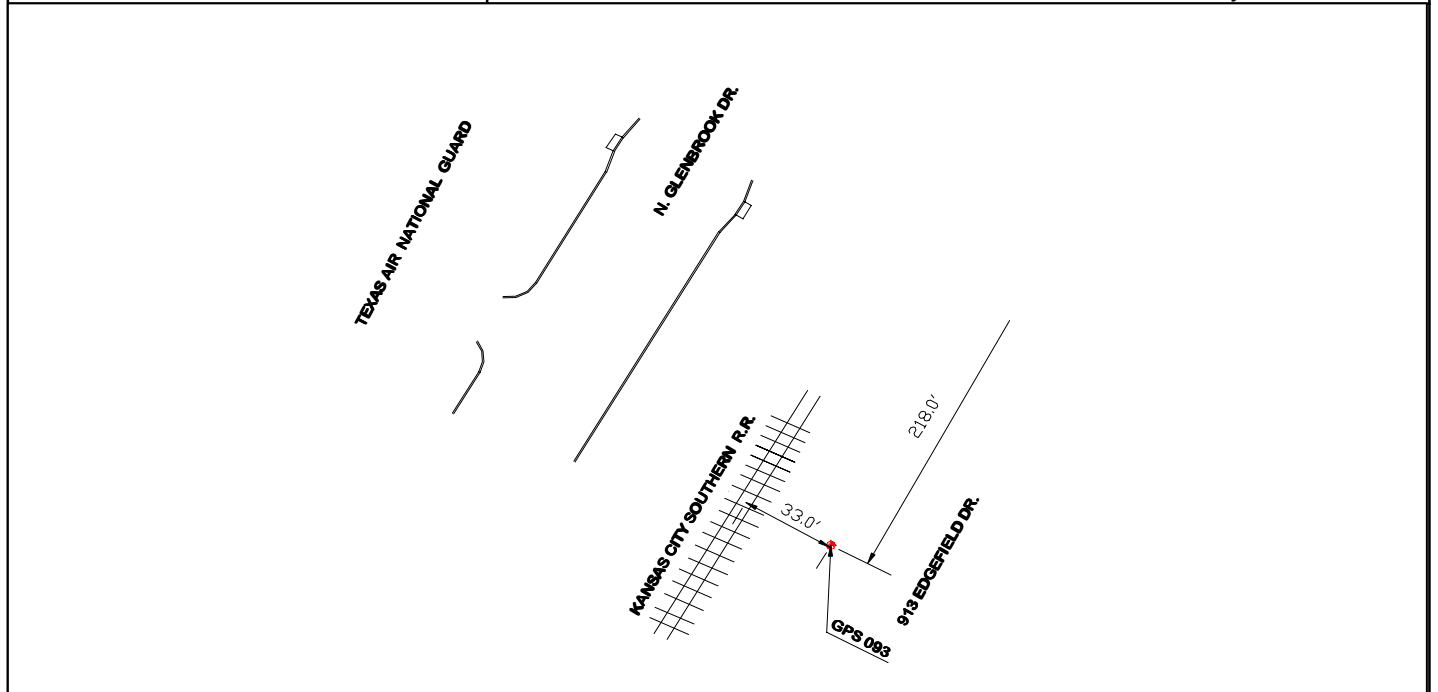
Problem	Visibility	Temperature	Cloud Cover	Wind
NONE	GOOD	45°	CLEAR	0 - 5 MPH
Any obstructions above 10° ?		( Y / N )	Radio Interference source nearby ? ( Y / N )	
RPLS: <u>GSB</u>	P.Chief: <u>TG</u>	Field Tech: <u>KW</u>	Field Tech: <u>CW</u>	

## GPS Station Observation Log

Station Designation	( Check applicable: <input checked="" type="checkbox"/> GEO. CNTRL. <input type="checkbox"/> Trav. PT. <input type="checkbox"/> BM )	Station PID, if any:	DATE:
		GPS 093	2/1/2006
Project Name: <b>Geodetic Monument</b>	Project Number: <b>GPS-093</b>	Stat. 4-Char ID: _____	Day of Year: _____
NAD83 Latitude: 32 54 15.97620	NAD83 Longitude: 96 38 28.84142	Session ID: (A,B,C,etc.)	
Observation Session Time		144.744	ft./meters
Sched. Start: _____ Stop: _____	NAVD88 Orthometric Height	Operator Full Name: Toney E. Gibson	
Actual Start: 9:30 AM Stop: 2:30 PM	170.638	ft./meters	
Epoch Interval = 10 Seconds	GEOID03 Geoid Height	Phone# (972) 205 - 2157	
Elevation Mask = _____ Degrees	ft./meters	E-mail: gbreysac@ci.garland.tx.us	
Receiver Brand & Model: Topcon Hiper Lite-Internal Antenna		Comments: 5HRS STATIC DATA RECORDED.	
Base:	Rover: <input checked="" type="checkbox"/>	NOTE: ELEV. IS ORTHO HT. CALC. BY OPUS.	
P/N: 01-840802-03	P/N: 01-840802-03		
S/N: 263-0243	S/N: 263-0233		
ID: 8QATEMNVCHS	ID: 8OKPW2V2RR4		

** ANTENNA HEIGHT **	<b>Meters</b>	<b>Feet</b>	<b>NAD83 TXNC (4202)</b>
Slant Height to ARP:	1.749	5.705	N = 7017026.74020
Vertical Height to ARP:			E = 2538884.87629
			Z = 559.83484
			CSF = 0.99985318
Meters = Feet x (0.3048) Height Entered into receiver = 1.7054 Meters.	Note: &/or sketch <b>ANY</b> unusual conditions. be <b>Very Explicit</b> as to where and how <b>Measured</b> .		

LOG Checked By:	Data File Name(s): (standard NGS Format = aaaadds.xxx) aaa=4 character ID, ddd=Day of Year,
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GPS 093, 2" BRASS DISK SET IN CONC. STAMPED 93 LOCATED APPROX. 33' S.E. OF C/L KANSAS CITY SOUTHERN R.R. TRACKS & APPROX. 218' S.W. OF C/L INT. NINTH ST & S. GLENBROOK.  
 \*\*\*COG MAP GRID H-7\*\*\*MAPSCO 29-C,D\*\*\*

### Table of Weather

Problem	Visibility	Temperature	Cloud Cover	Wind
NONE	GOOD	58°	CLEAR	10 - 15 MPH
Any obstructions above 10° ?		( Y / N )	Radio Interference source nearby ? ( Y / N )	

RPLS: GSB P.Chief: TG Field Tech: KW Field Tech: CW

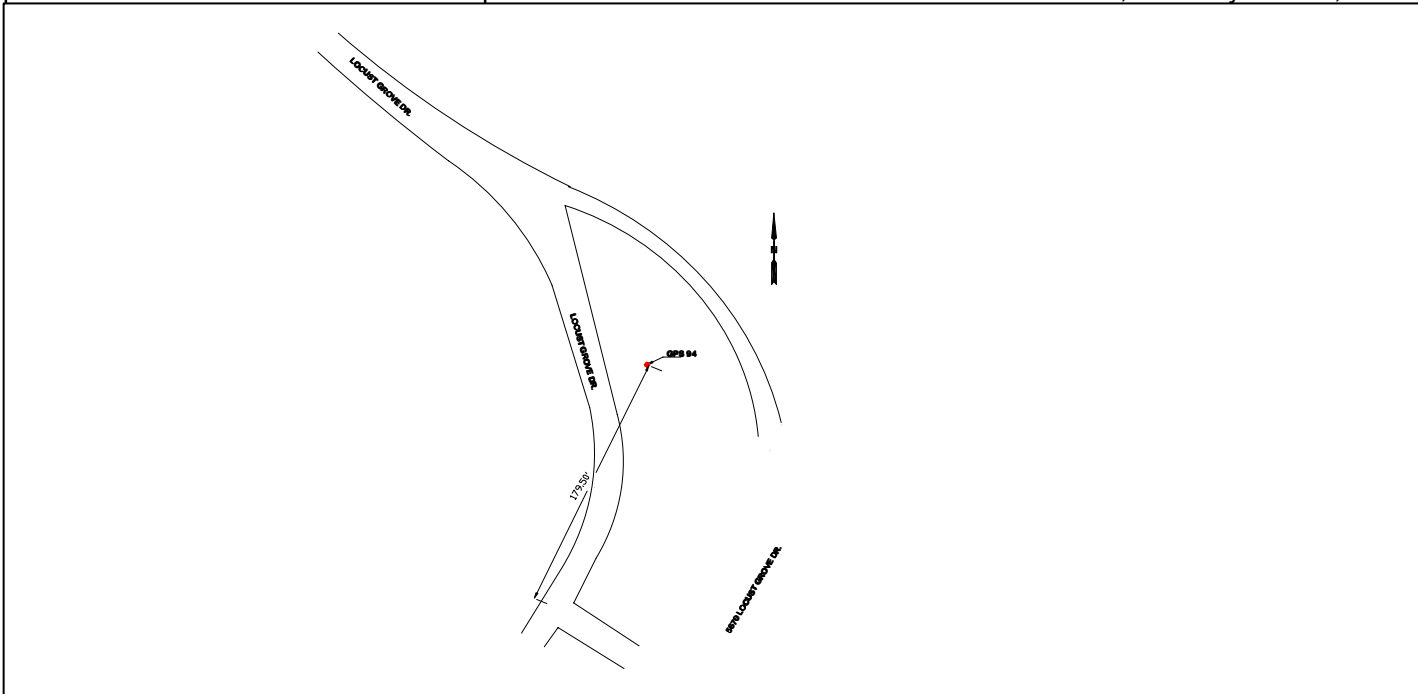
## GPS Station Observation Log

Station Designation ( Check applicable: <input checked="" type="checkbox"/> GEO. CNTRL. <input type="checkbox"/> Trav. PT. <input type="checkbox"/> BM )		Station PID, if any: GPS 094	DATE: 12/1/2005
Project Name: <b>Geodetic Monument</b>		Project Number: <b>GPS-094</b>	
NAD83 Latitude: 32 50 51.85544	NAD83 Longitude: 96 32 45.71634	Stat. 4-Char ID: _____	Day of Year: _____
Observation Session Time		Session ID: (A,B,C,etc.)	
		Agency Full Name: <b>City of Garland</b>	
Sched. Start: _____ Stop: _____	NAVD88 Orthometric Height	Operator Full Name: Toney E. Gibson	
Actual Start: <b>8:15 AM</b> Stop: <b>12:30 PM</b>	114.575   ft./meters		
Epoch Interval = <u>10</u> Seconds	NAVD88 Orthometric Height	Phone# (972) 205 - 2157	
Elevation Mask = _____ Degrees	140.233   ft./meters	E-mail: gbreysac@ci.garland.tx.us	
GEOID03 Geoid Height			

Receiver Brand & Model: Topcon Hiper Lite-Internal Antenna		Comments: 4HRS STATIC DATA RECORDED.
Base: <u>X</u>	Rover:	NOTE: ELEV. 460.08 IS ORTHO HT. CALC. BY OPUS.
P/N: 01-840802-03	P/N: 01-840802-03	
S/N: 863-0243	S/N: 263-0233	
ID: 8QATEMNVCHS	ID: 8OKPW2V2RR4	

** ANTENNA HEIGHT **	<b>Meters</b>	<b>Feet</b>	<b>NAD83 TXNC (4202)</b>
Slant Height to ARP:	1.676	5.50	N = 6996933.12881
			E = 2568514.78422
Vertical Height to ARP:			Z = 460.08
			CSF = 0.99986093
Meters = Feet x (0.3048) Height Entered into receiver = <u>1.6429</u> Meters.	Note: &/or sketch <b>ANY</b> unusual conditions. be <b>Very Explicit</b> as to where and how <b>Measured</b> .		

LOG Checked By:	Data File Name(s):	(standard NGS Format = aaaadds.xxx) aaa=4 character ID, ddd=Day of Year,
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GPS 094, 2" BRASS DISK STAMPED 94, SET IN CONC. LOCATED AT THE MOST S.E. END OF WINDSURF BAY PARK IN FRONT OF 5670 LOCUST GROVE DR. IN THE PARK. APPROX. 280' N. OF THE S. COR. OF BLOCK WALL AND APPROX. 103' W. OF THE N. COR. OF BLOCK WALL.

\*\*\*COG MAP GRID N-14\*\*\*MAPSCO 40A - F\*\*\*

Table of Weather				
Problem	Visibility	Temperature	Cloud Cover	Wind
NONE	GOOD	40°	CLEAR	10 - 15 MPH
Any obstructions above 10° ?		( Y / N )	Radio Interference source nearby ? ( Y / N )	

RPLS: GSB P.Chief: TG Field Tech: KW Field Tech: CW



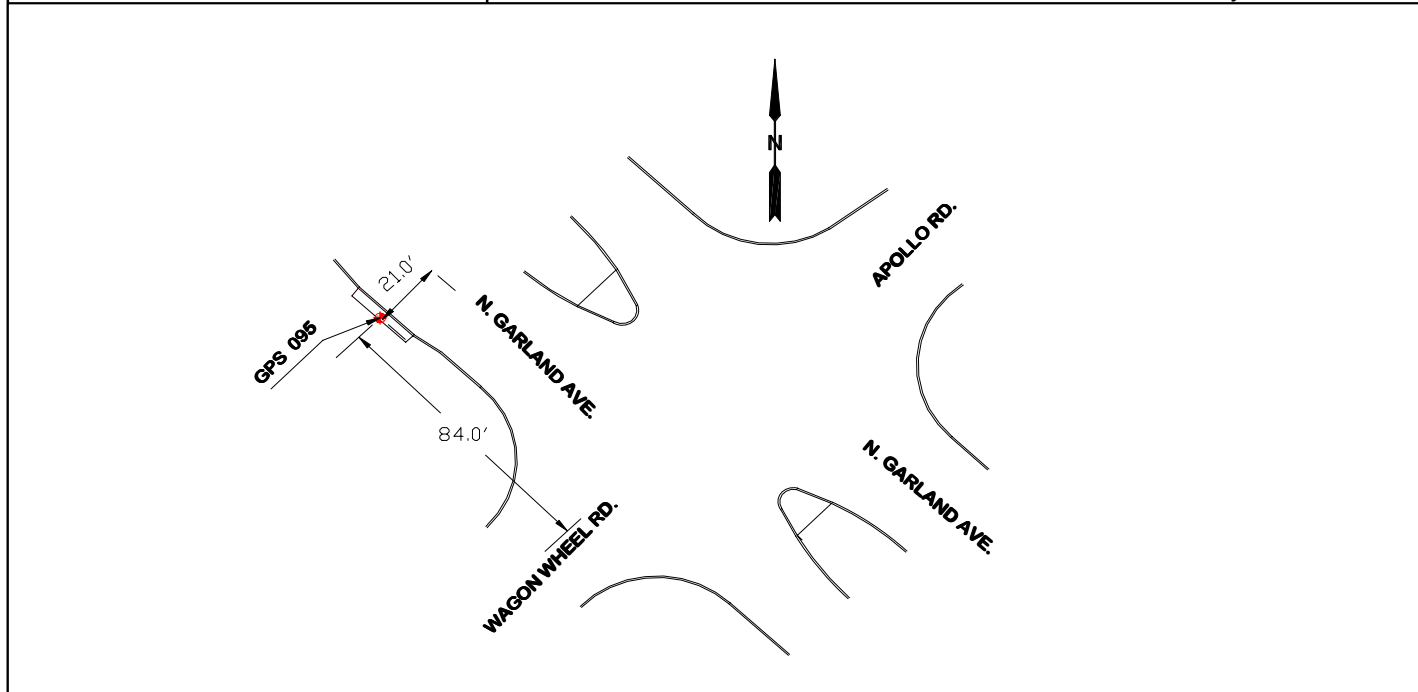
## GPS Station Observation Log

Station Designation	( Check applicable: <input checked="" type="checkbox"/> GEO. CNTRL. <input type="checkbox"/> Trav. PT. <input type="checkbox"/> BM )	Station PID, if any:	DATE:
		GPS 095	2/13/2006
Project Name: <b>Geodetic Monument</b>	Project Number: <b>GPS-095</b>	Stat. 4-Char ID: _____	Day of Year: _____
NAD83 Latitude: 32 56 59.68147	NAD83 Longitude: 96 39 06.47472	Session ID: (A,B,C,etc.)	
Observation Session Time		141.171   ft./meters	
Sched. Start: _____ Stop: _____	NAVD88 Orthometric Height	Operator Full Name: Toney E. Gibson	
Actual Start: <u>7:42 AM</u> Stop: <u>11:42 AM</u>	167.073   ft./meters	Agency Full Name: <b>City of Garland</b>	
Epoch Interval = <u>5</u> Seconds	GEOID03 Geoid Height	Phone# (972) 205 - 2157	
Elevation Mask = _____ Degrees	ft./meters	E-mail: gbreysac@ci.garland.tx.us	

Receiver Brand & Model: Topcon Hiper Lite-Internal Antenna		Comments: 4HRS STATIC DATA RECORDED.
Base: <u>X</u>	Rover:	NOTE: ELEV. IS ORTHO HT. CALC. BY OPUS.
P/N: 01-840802-03	P/N: 01-840802-03	
S/N: 263-0243	S/N: 263-0233	
ID: 8QATEMNVCHS	ID: 8OKPW2V2RR4	

** ANTENNA HEIGHT **	<b>Meters</b>	<b>Feet</b>	<b>NAD83 TXNC (4202)</b>
Slant Height to ARP:	1.625	5.33	N = 7033511.33321 E = 2535386.13657
Vertical Height to ARP:			Z = 548.13867 CSF = 0.99985203
Meters = Feet x (0.3048) Height Entered into receiver = <u>1.5911</u> Meters.	Note: &/or sketch <b>ANY</b> unusual conditions. be <b>Very Explicit</b> as to where and how <b>Measured</b> .		

LOG Checked By:	Data File Name(s):	(standard NGS Format = aaaadds.xxx) aaa=4 character ID, ddd=Day of Year,
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GPS 095, 2" BRASS DISK STAMPED 95 LOCATED ON DOUBLE INLET TOP @ THE E. COR. OF N. GARLAND, WAGON WHEEL & APOLLO RD INT. APPROX. 21' S.W. OF N. GARLAND S.E. BOUND LANE C/L & APPROX. 84' N.W. OF WAGON WHEEL RD C/L. @ N. GARLAND AVE. \*\*\*COG MAP GRID D-6\*\*\*MAPSCO 19-F\*\*\*

### Table of Weather

Problem	Visibility	Temperature	Cloud Cover	Wind
NONE	GOOD	40°	CLEAR	0 - 5 MPH
Any obstructions above 10° ?		( Y / N )	Radio Interference source nearby ? ( Y / N )	

RPLS: GSB P.Chief: TG Field Tech: KW Field Tech: CW

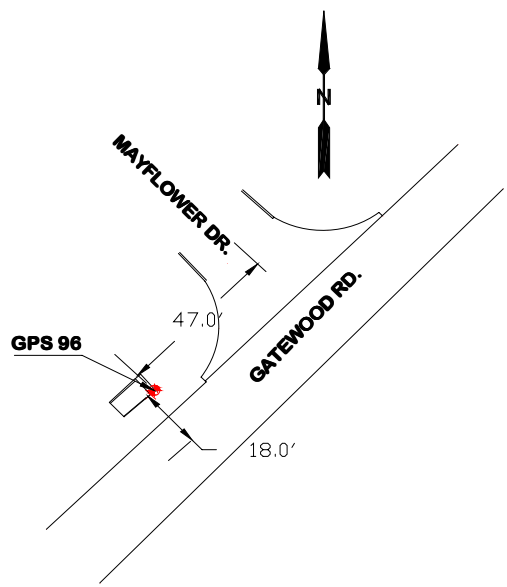
### GPS Station Observation Log

Station Designation	Check applicable: <input checked="" type="checkbox"/> GEO. CNTRL. <input type="checkbox"/> Trav. PT. <input type="checkbox"/> BM	Station PID, if any:	DATE:
		GPS 96	3/22/2006
Project Name: <b>Geodetic Monument</b>	Project Number: <b>GPS-096</b>	Stat.4-Char ID: _____	Day of Year: _____
NAD83 Latitude: 32 51 36.24362	NAD83 Longitude: 96 36 19.50933	Session ID: (A,B,C,etc.)	
Observation Session Time		Agency Full Name: <b>City of Garland</b>	
Sched. Start: _____ Stop: _____		Operator Full Name: Toney E. Gibson	
Actual Start: 11:03 AM Stop: 3:15 PM		Phone# (972) 205 - 2157	
Epoch Interval = 10 Seconds		E-mail: gbreysac@ci.garland.tx.us	
Elevation Mask = _____ Degrees		ft./meters	

Receiver : Topcon Hiper XT GGD Glonass-Internal Antenna		Comments: 4HRS STATIC DATA RECORDED.
<input type="checkbox"/> Base	<input checked="" type="checkbox"/> Rover	NOTE: ELEV. 517.157 IS ORTHO HT. CALC. BY OPUS.
P/N:01-860801-01	P/N:01-860801-01	
S/N: 360-0581	S/N: 360-0616	
ID:	ID:	

** ANTENNA HEIGHT **	Meters	Feet	NAD83 TXNC (4202)
Slant Height to ARP:		5.12	N = 7001084.11460
		5.01	E = 2550199.65025
Vertical Height to ARP:			Z = 517.15776
			CSF = 0.99985749
Meters = Feet x (0.3048)	Note: &/or sketch ANY unusual conditions. be Very Explicit as to where and how Measured.		
Height Entered into receiver : 1.5270 Meters.			

LOG Checked By:	Data File Name(s):	(standard NGS Format = aaaadds.xxx) aaa=4 character ID, ddd=Day of Year,
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GPS 096, 2" BRASS DISK STAMPED 96, SET IN TOP OF 2' X 6' HEADWALL @ GATEWOOD Rd & MAYFLOWER Dr N.W. COR. OF INT. APPROX. 47' S.W. OF MAYFLOWER Dr C/L & APPROX. 18' N.W. OF GATEWOOD Rd. C/L.  
 \*\*\*COG MAP GRID L-10\*\*\*MAPSCO 29A-Y\*\*\*

#### Table of Weather

Problem	Visibility	Temperature	Cloud Cover	Wind
NONE	GOOD	49°	CLOUDY	5 - 10 MPH
Any obstructions above 10° ? <input type="checkbox"/> YES <input type="checkbox"/> NO		Radio Interference source nearby ?		<input type="checkbox"/> YES <input type="checkbox"/> NO

RPLS: GSB P.Chief: TG Field Tech: KW Field Tech: CW

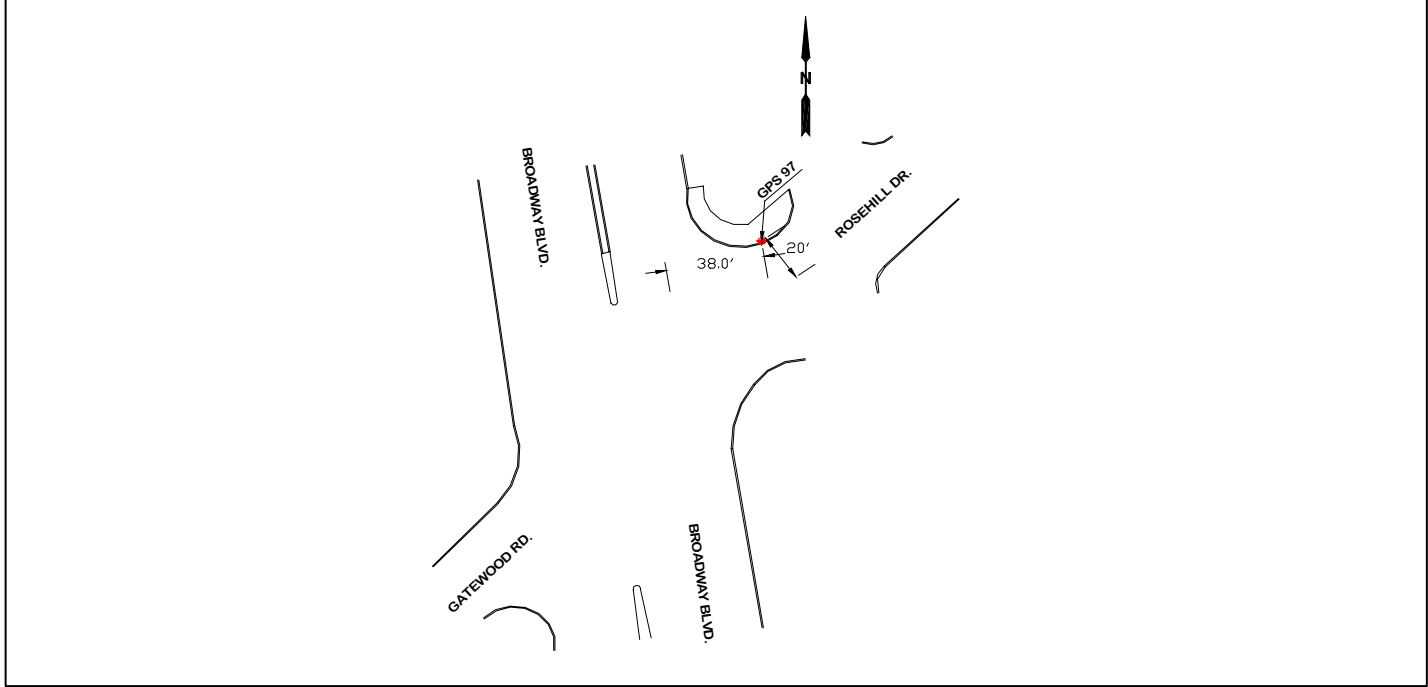
## GPS Station Observation Log

Station Designation	Check applicable: <input checked="" type="checkbox"/> GEO. CNTRL. <input type="checkbox"/> Trav. PT. <input type="checkbox"/> BM	Station PID, if any:	DATE:
		GPS 97	3/22/2006
Project Name: <b>Geodetic Monument</b>	Project Number: <b>GPS-097</b>	Stat. 4-Char ID: _____	Day of Year: _____
NAD83 Latitude: 32 51 42.86726	NAD83 Longitude: 96 36 11.57927	Session ID: (A,B,C,etc.)	
Observation Session Time		132.404 ft./meters	
Sched. Start: _____ Stop: _____	NAVD88 Orthometric Height	Operator Full Name: Toney E. Gibson	
Actual Start: 11:14 AM Stop: 3:30 PM	158.208 ft./meters	Agency Full Name: <b>City of Garland</b>	
Epoch Interval = 5 Seconds	GEOID03 Geoid Height	Phone# (972) 205 - 2157	
Elevation Mask = _____ Degrees	ft./meters	E-mail: gbreysac@ci.garland.tx.us	

Receiver : Topcon Hiper XT GGD Glonass-Internal Antenna		Comments: 4HRS STATIC DATA RECORDED.
<input checked="" type="checkbox"/> Base	<input type="checkbox"/> Rover	NOTE: ELEV. IS ORTHO HT CALC. BY OPUS.
P/N: 01-860801-01	P/N: 01-860801-01	
S/N: 360-0581	S/N: 360-0616	
ID:	ID:	

** ANTENNA HEIGHT **	Meters	Feet	NAD83 TXNC (4202)
Slant Height to ARP:		5.63	N = 7001765.57649
		5.52	E = 2550863.82215
Vertical Height to ARP:			Z = 519.05408
			CSF = 0.99985729
Meters = Feet x (0.3048) Height Entered into receiver : 1.6825 Meters.	Note: &/or sketch <b>ANY</b> unusual conditions. be <b>Very Explicit</b> as to where and how <b>Measured</b> .		

LOG Checked By:	Data File Name(s):	(standard NGS Format = aaaadds.xxx) aaa=4 character ID, ddd=Day of Year,
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GPS 97, 2" BRASS DISK STAMPED 97, SET IN SIDEWALK @ BROADWAY BLVD & GATEWOOD RD N CORNER OF INT. APPROX. 38' E. OF BROADWAY BLVD N. BOUND LANE C/L & APPROX. 20' N.W. OF GATEWOOD RD C/L.  
 \*\*\*COG MAP GRID L-10\*\*\*MAPSCO 29A-Y\*\*\*

### Table of Weather

Problem	Visibility	Temperature	Cloud Cover	Wind
NONE	GOOD	49°	CLOUDY	5 - 10 MPH
Any obstructions above 10° ? <input type="checkbox"/> YES <input type="checkbox"/> NO		Radio Interference source nearby ?		<input type="checkbox"/> YES <input type="checkbox"/> NO

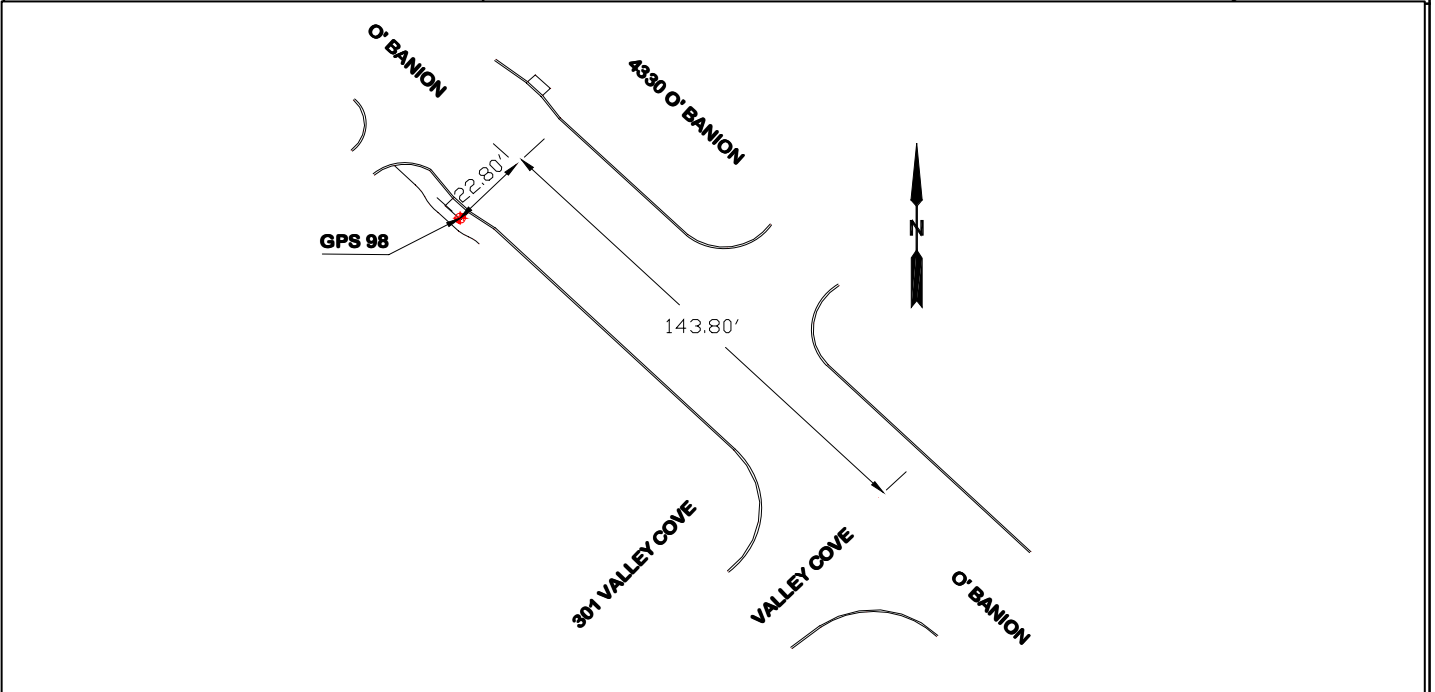
RPLS: GSB P.Chief: TG Field Tech: KW Field Tech: CW

### GPS Station Observation Log

Station Designation	Check applicable: <input checked="" type="checkbox"/> GEO. CNTRL. <input type="checkbox"/> Trav. PT. <input type="checkbox"/> BM	Station PID, if any:	DATE:
		GPS 98	4/4/2006
Project Name: <b>Geodetic Monument</b>	Project Number: <b>GPS-98</b>	Stat. 4-Char ID: _____	Day of Year: _____
NAD83 Latitude: 32 51 57.96706	NAD83 Longitude: 96 37 52.65484	Session ID: (A,B,C,etc.)	
Observation Session Time		123.638	ft./meters
Sched. Start: _____ Stop: _____	NAVD88 Orthometric Height	Operator Full Name: Toney E. Gibson	
Actual Start: 8:15 AM Stop: 12:47 PM	149.522	Phone# (972) 205 - 2157	
Epoch Interval = <u>10</u> Seconds	GEOID03 Geoid Height	E-mail: gbreysac@ci.garland.tx.us	
Elevation Mask = _____ Degrees	ft./meters		
Receiver Brand & Model: Topcon Hiper Lite-Internal Antenna		Comments: 4 HRS. STATIC DATA RECORDED.	
<input type="checkbox"/> Base	<input type="checkbox"/> Rover	NOTE: ELEV. IS ORTHO HT. CALC. BY OPUS.	
P/N:01-840802-03	P/N:01-840802-03		
S/N: 263-0243	S/N: 263-0233		
ID:8QATEMNVCHS	ID:8OKPW2V2RR4		

** ANTENNA HEIGHT **	Meters	Feet	<b>NAD83 TXNC (4202)</b>
Slant Height to ARP:		5.505	N = 7003136.79100
		5.395	E = 2542217.33700
Vertical Height to ARP:		<b>1.6444</b>	Z = 490.557
			CSF = 0.99985843
Meters = Feet x (0.3048)	Note: &/or sketch <b>ANY</b> unusual conditions. be <b>Very Explicit</b> as to where and how <b>Measured</b> .		
Height Entered into receiver : 1.6444 Meters.			

LOG Checked By:	Data File Name(s):	(standard NGS Format = aaaaddds.xxx) aaa=4 character ID, ddd=Day of Year,
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GPS 98, 2" BRASS DISK, STAMPED 98, LOCATED ON INLET TOP ON O'BANION RD, APPROX. 22.80' SW OF O'BANION RD C/L AND APPROX. 143.80' NW OF O'BANION RD & VALLEY COVE INT. C/L.  
 \*\*\*COG MAP GRID L-8\*\*\*MAPSCO 29A-S\*\*\*

#### Table of Weather

Problem	Visibility	Temperature	Cloud Cover	Wind
NONE	GOOD	60°	P/CLOUDY	5 - 10 MPH
Any obstructions above 10° ? <input type="checkbox"/> YES <input type="checkbox"/> NO		Radio Interference source nearby ?		<input type="checkbox"/> YES <input type="checkbox"/> NO

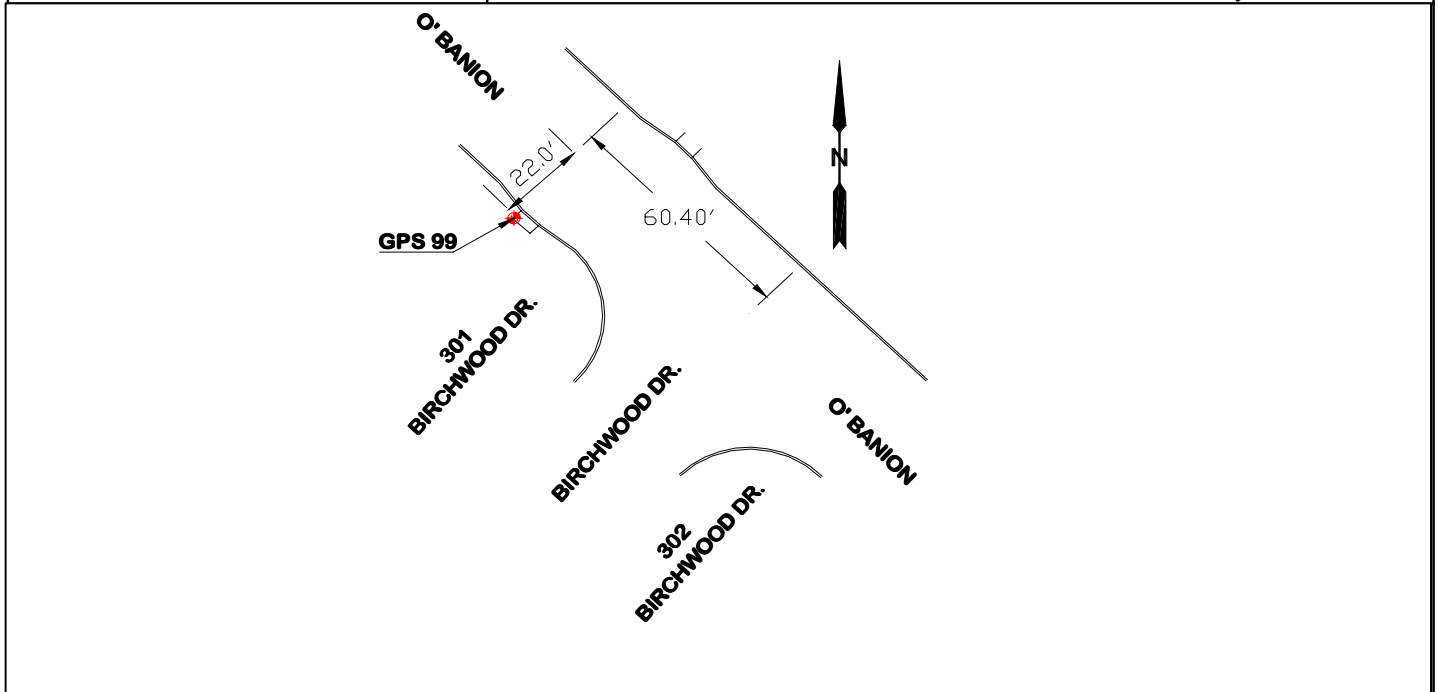
RPLS: GSB P.Chief: TG Field Tech: KW Field Tech: CW

## GPS Station Observation Log

Station Designation	Check applicable: <input checked="" type="checkbox"/> GEO. CNTRL. <input type="checkbox"/> Trav. PT. <input type="checkbox"/> BM	Station PID, if any:	DATE:
		GPS 99	4/4/2006
Project Name: <b>Geodetic Monument</b>		Project Number: <b>GPS-99</b>	
NAD83 Latitude: 32 51 48.24161		NAD83 Longitude: 96 37 41.55662	
NAD83 Ellipsoidal Height		122.773 ft./meters	
Observation Session Time		122.773 ft./meters	
Sched. Start: _____ Stop: _____		NAVD88 Orthometric Height	
Actual Start: _____ Stop: _____		148.650 ft./meters	
Epoch Interval = <u>10</u> Seconds		GEOID03 Geoid Height	
Elevation Mask = _____ Degrees		ft./meters	
Receiver Brand & Model: Topcon Hiper Lite-Internal Antenna		Comments: 4 HRS. STATIC DATA RECORDED.	
<input type="checkbox"/> Base	<input type="checkbox"/> Rover	NOTE: ELEV. IS ORTHO HT. CALC. BY OPUS.	
P/N:01-840802-03	P/N:01-840802-03		
S/N: 263-0243	S/N: 263-0233		
ID:8QATEMNVCHS	ID:8OKPW2V2RR4		

** ANTENNA HEIGHT **	Meters	Feet	NAD83 TXNC (4202)
Slant Height to ARP:		-0.11	N = 7002170.96938
Vertical Height to ARP:		<b>-0.0335</b>	E = 2543181.21940
			Z = 487.69588
			CSF = 0.99985872
Meters = Feet x (0.3048)	Note: &/or sketch <b>ANY</b> unusual conditions. be <b>Very Explicit</b> as to where and how <b>Measured</b> .		
Height Entered into receiver : -0.0335 Meters.			

LOG Checked By:	Data File Name(s): (standard NGS Format = aaaaddds.xxx) aaa=4 character ID, ddd=Day of Year,
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GPS 99, 2" BRASS DISK STAMPED 99, LOCATED ON INLET TOP ON O'BANION RD. APPROX. 22' SW OF O'BANION RD C/L, AND APPROX. 60.40' NW OF O'BANION RD & BIRCHWOOD DR C/L OF INTERSECTION.  
 \*\*\*COG MAP GRID L-8\*\*\*MAPSCO 29A-W\*\*\*

### Table of Weather

Problem	Visibility	Temperature	Cloud Cover	Wind
NONE	GOOD	60°	P/CLOUDY	5 - 10 MPH
Any obstructions above 10° ? <input type="checkbox"/> YES <input type="checkbox"/> NO		Radio Interference source nearby ?		<input type="checkbox"/> YES <input type="checkbox"/> NO

RPLS: GSB P.Chief: TG Field Tech: KW Field Tech: CW

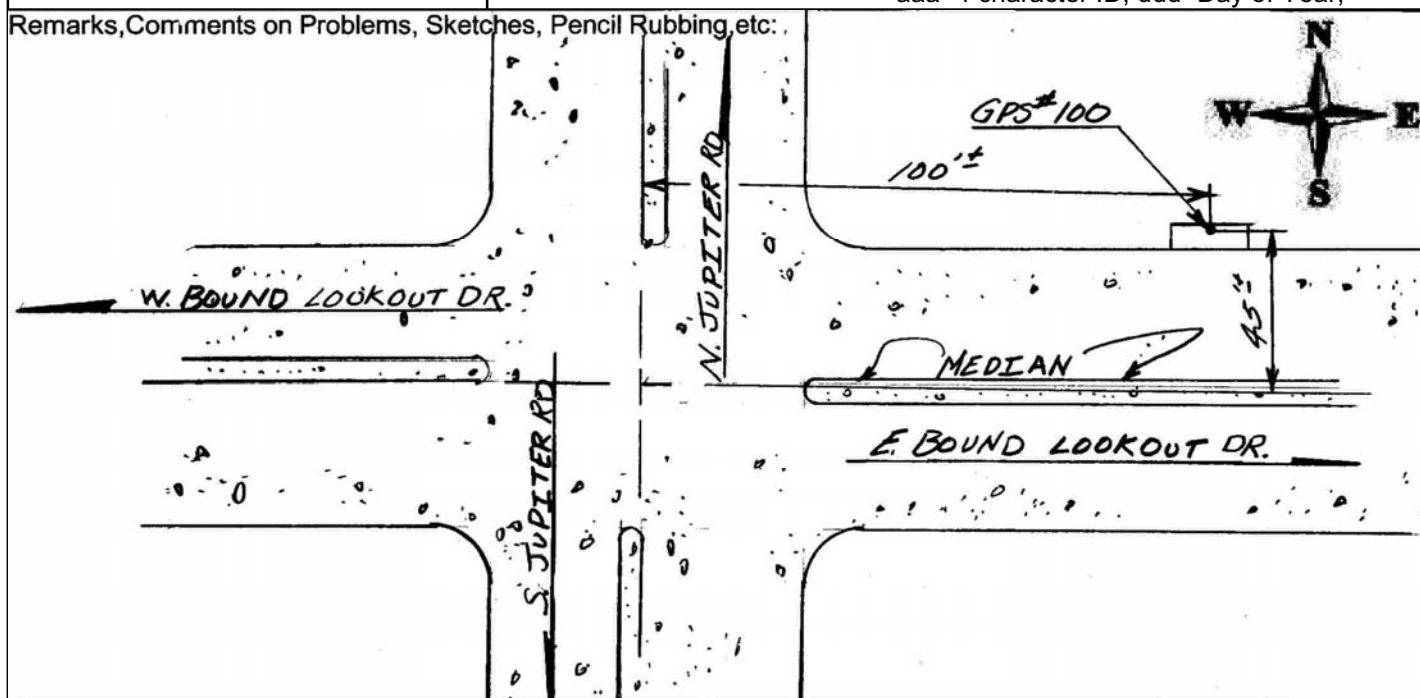
## GPS Station Observation Log

Station Designation ( Check applicable: <input checked="" type="checkbox"/> GEO. CNTRL. <input type="checkbox"/> Trav. PT. <input type="checkbox"/> BM )		Station PID, if any: GPS 100	DATE: 6/25/2004
Project Name: <b>Geodetic Monument</b>		Project Number: <b>GPS- 100</b>	
NAD83 Latitude: 32 59 06.54314		NAD83 Longitude: 96 40 55.45213	
Observation Session Time		153.293 ft./meters	
Sched. Start: _____ Stop: _____		NAD83 Orthometric Height	
Actual Start: 9:30 AM Stop: 1:45 PM		179.272 ft./meters	
Epoch Interval = 5 Seconds		GEOID03 Geoid Height	
Elevation Mask = _____ Degrees		ft./meters	

Receiver Brand & Model: Topcon Hiper Lite-Internal Antenna		Comments: 4HRS STATIC DATA RECORDED.	
Base: <input checked="" type="checkbox"/>	Rover:	NOTE: ELEV. IS ORTHO HT. CALC. BY OPUS.	
P/N: 01-840802-03	P/N: 01-840802-03		
S/N: 263-0243	S/N: 263-0233		
ID: 8QATEMNVCHS	ID: 8OKPW2V2RR4		

** ANTENNA HEIGHT **	Meters	Feet	NAD83 TXNC (4202)
Slant Height to ARP:	1.709	5.61	N = 7046167.90239 E = 2525880.15164
Vertical Height to ARP:			Z = 588.19436 CSF = 0.99984923
Meters = Feet x (0.3048) Height Entered into receiver = 1.676 Meters.	Note: &/or sketch ANY unusual conditions. be Very Explicit as to where and how Measured.		

LOG Checked By:	Data File Name(s):	(standard NGS Format = aaaadds.xxx) aaa=4 character ID, ddd=Day of Year,
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GPS 100, 2" BRASS DISK STAMPED 100 LOCATED ON THE BACK CENTER OF INLET TOP @ THE N.E. COR. OF E. LOOKOUT DR & N. JUPITER RD INT. APPROX. 45' N. OF E. LOOKOUT DR C/L & APPROX 100' E. OF N. JUPITER RD. C/L. \*\*\*COG MAP GRID A-3&4\*\*\*MAPSCO 8-L\*\*\*

### Table of Weather

Problem	Visibility	Temperature	Cloud Cover	Wind
NONE	GOOD	75°	P/CLOUDY	0 - 5 MPH
Any obstructions above 10° ?		( Y / N )	Radio Interference source nearby ? ( Y / N )	

RPLS: GSB P.Chief: TG Field Tech: KW Field Tech: CW