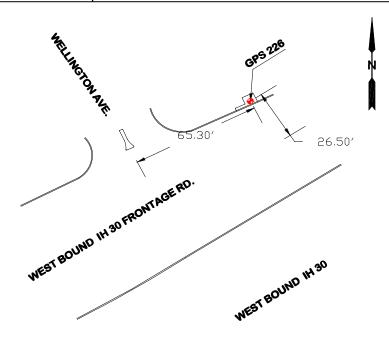
			GPS St	ation Obse	ervatio	on L	og		
Station Designation	Check app	olicable: 🗸	GEO. CNTRL.	Trav. P	г. 🗌 в	М	Station PID, if a	ıny:	DATE:
							GPS 226		5/17/2007
Project Name: G	eodetic M	onument	Project Nu	ımber: GPS- 226			Stat.4-Char ID:	_	Day of Year:
NAD83 Latitude:	NAD83 L	ongitude:					Session ID: (A,B,	,C,etc	5.)
32 51 09.61334	32 51 09.61334 96 33 55.13813 NAC			3 Ellipsoidal			Agency Full Nam	ie: (City of Garland
Observation Session Time				125.303					
Sched. Start:Stop:			NAVD88	3 Orthometr			Operator Full Na	me: T	oney E. Gibson
Actual Start:8:17 A				151.008					
	Epoch Interval = 10 Seconds			D03 Geoid			Phone# (972) 20		
Elevation Mask = Degrees					ft./meters E-mail: gbreysac@ci.garland				
Receiver Brand &	Lite-Internal								
✓ Base			Rover	NOTE: ELE	EV. 495	5.43 I	S ORTHO HT. CA	ALC. I	BY OPUS.
P/N:01-840802-03	3	P/N:01-840							
S/N: 263-0243		S/N: 263-0:							
ID:8QATEMNVCH	lS .	ID:80KPW	2V2RR4						
** AN	NTENNA H	EIGHT **		Me	eters	Fe	eet	NAD	83 TXNC (4202)
Slant Height to AF	RP:			1.708			5.605	N =	6998617.792
							5.495	E =	2562560.827
Vertical Height to	ARP:						1.6749	Z =	495.432
									0.99985895
Meters = Feet x (0.3048)				Note: &/or sketch ANY unusual conditions.be Very Explicit as				Very Explicit as to	
Height Entered int	o receiver	1.6749	Meters.	where and how Measu			asured.		
LOG Checked By: Data File			Data File N	Name(s):			(standard NGS Format = aaaaddds.xxx)		
					aaa=4 character	ID, do	dd=Day of Year,		

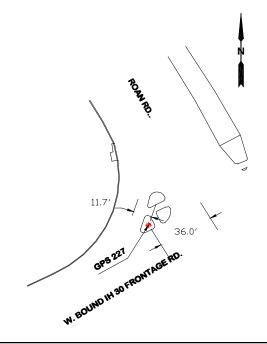


GPS 226, 2" BRASS DISK STAMPED 226, LOCATED ON INLET TOP APPROX. 26.50' N.W. OF IH-30 W. BOUND FRONTAGE RD C/L & APPROX. 65.30' N.E. WELLINGTON AVE. C/L.

COG MAP GRID M-13MAPSCO 40-D***

Table of Weather										
Problem Visibility Temperature Cloud Cover Wind										
NONE	GO	OD	75°	P/CLOUDY	5 - 10 MPH					
Any obstructions above 10°?	YES	□ NO	Radio Interference sou	YES NO						

			GPS St	ation Obs	ervatio	n L	og		
Station Designation	Check app	olicable: 🔻	GEO. CNTRL.	Trav. P	Г. 🗌 ВМ	И	Station P	ID,if any:	DATE:
							GPS	227	5/18/2007
Project Name: (Geodetic M	onument	Project Nu	ımber: GPS- 227			Stat.4-Char ID:		Day of Year:
NAD83 Latitude:	D83 Latitude: NAD83 Longitude:						Session ID:	(A,B,C,etc	5.)
32 51 02.51193 96 34 12.82192		NAD8	3 Ellipsoidal	l Height		Agency Ful	l Name:	City of Garland	
Observation Session Time				127.038	ft./me	eters	,		
Sched. Start:Stop:			NAVD88	8 Orthometr			Operator Fu	ıll Name: T	oney E. Gibson
Actual Start:8:20				152.756					
Epoch Interv		econds Degrees	GEOI	D03 Geoid			Phone# (97		
Elevation Mas					E-mail: gbreysac@ci.garland.tx.us				
Receiver Brand &	Lite-Internal		Antenna Comments: 4 HRS. STATIC DATA RECORDED. NOTE: ELEV. 501.17 IS ORTHO HT. CALC. BY OPUS.						
✓ Base			Rover	NOTE: ELE	EV. 501	.17	S ORTHO F	IT. CALC. I	BY OPUS.
P/N:01-840802-0	3	P/N:01-84							
S/N: 263-0243		S/N: 263-0							
ID:8QATEMNVC	HS	ID:80KPV	V2V2RR4						
** A	NTENNA H	EIGHT **		Me	eters	Fe	eet	NAD	83 TXNC (4202)
Slant Height to Al	RP:			1.703			5.585	N =	6997872.522
							5.475	E =	2561065.858
Vertical Height to	o ARP:						1.6688	Z =	501.167
									0.99985879
Meters = Feet x (Note: &/or sketch ANY unusual conditions.be Very Explicit as to					Very Explicit as to		
Height Entered in		1.6688	Meters.	where and how Measu			ured.		
LOG Checked By	:		Data File N	Name(s):			(standard NGS Format = aaaaddds.xxx)		
							aaa=4 char	acter ID, do	dd=Day of Year,

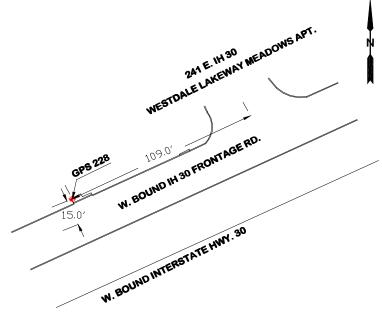


GPS 227, 2" BRASS DISK STAMPED 227, LOCATED ON TURN LANE ISLAND @ ROAN RD & IH 30 W. BOUND FRONTAGE RD. APPROX 36' S.W. OF ROAN RD. C/L & APPROX. 12' S.E OF ROAN RD RIGHT TURN LANE.

COG MAP GRID M-12MAPSCO 40-C***

	Table of Weather											
Problem	Visibility	Temperature	Cloud Cover	Wind								
NONE	GOOD	75°	CLEAR	0 - 5 MPH								
Any obstructions above 10°?	YES NO	Radio Interference sou	YES NO									
			~									

			GPS St	ation Obse	ervatio	n L	og		
Station Designation	Check app	olicable: 🗸	GEO. CNTRL.	Trav. PT	Г. 🗌 ВМ	1	Station P	ID,if any:	DATE:
							GPS	228	6/1/2007
Project Name: C	Seodetic M	onument	Project Nur	mber: GPS -	228		Stat.4-Char ID):	Day of Year:
NAD83 Latitude:	NAD83 L	.ongitude:		Ses			Session ID:	(A,B,C,etc	.)
32 50 54.68453	96 34 32	2.27144	NAD83	3 Ellipsoidal	Height		Agency Ful	l Name:	City of Garland
Observatio	Observation Session Time			127.460	ft./me	ters	<u> </u>		
Sched. Start:	Sched. Start:Stop:		NAVD88	8 Orthometri	ic Heigh	nt	Operator Fu	ull Name: T	oney E. Gibson
Actual Start:9:09 AM Stop:1:15 PM				153.194	ft./me	ters			
Epoch Interval = 10 Seconds			GEOI	D03 Geoid			Phone# (97		
Elevation Mas							arland.tx.us		
Receiver Brand &	Lite-Internal	Antenna	Comme	ents	4 HRS. STA	ATIC DATA	RECORDED.		
✓ Base Rover				NOTE: ELE	V. 502.	.60 IS	S ORTHO H	IT. CALC. I	BY OPUS.
P/N:01-840802-03	3	P/N:01-840)802-03						
S/N: 263-0243		S/N: 263-02							
ID:8QATEMNVCH	I S	ID:80KPW	2V2RR4						
** Al	NTENNA H	EIGHT **		Me	eters	Fe	eet	NAD	83 TXNC (4202)
Slant Height to AF	RP:			1.553			5.095	N =	6997051.208
			!				4.985	E =	2559421.568
Vertical Height to	o ARP:	,					1.5194	Z =	502.604
									0.99985886
Meters = Feet x (0				Note: &/or	sketch A	ANY	unusual coi	nditions.be	Very Explicit as to
Height Entered in		1.5194	Meters.	where and	how Me	asu	red.		
LOG Checked By: Data File N			Data File N	Name(s): (standard NGS Format = aaaa			t = aaaaddds.xxx)		
			<u> </u>				aaa=4 char	acter ID, do	dd=Day of Year,

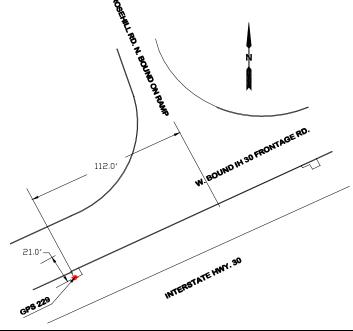


GPS 228, 2" BRASS DISK STAMPED 228, LOCATED ON INLET TOP APPROX. 15' N.W. OF W. BOUND IH 30 FRONTAGE RD & APPROX. 109' S.W. OF WESTDALE LAKEWAY MEADOWS APARTMENTS.

COG MAP GRID M-12 & N-12MAPSCO 40-F,G & C***

Table of Weather										
Problem Visibility Temperature Cloud Cover Wind										
NONE	GOOD		75°	CLOUDY	5 - 10 MPH					
Any obstructions above 10°?	YES	□ NO	Radio Interference source nearby?							

			GPS St	ation Obse	ervation	Log			
Station Designation	Check app	olicable: 🗸	GEO. CNTRL.	Trav. P	Г. 🗌 ВМ	Stati	on PID,if any:	DATE:	
						(GPS 229	6/1/2007	
Project Name: (Geodetic M	onument	Project Nui	mber: GPS-	229	Stat.4-Cl	Stat.4-Char ID: Day of Year: _		
NAD83 Latitude:	NAD83 L	ongitude:				Sessio	n ID: (A,B,C,etc	c.)	
32 50 45.05389				3 Ellipsoidal	Height	Agency	/ Full Name: (City of Garland	
Observation Session Time		Гime		124.504	ft./mete		· · · · · · · · · · · · · · · · · · ·		
Sched. Start:Stop:			NAVD88	3 Orthometr	ic Height	Operat	or Full Name: T	oney E. Gibson	
Actual Start: 9:18 AM Stop: 1:30 PM					ft./mete				
Epoch Interv		econds Degrees	GEOI	D03 Geoid			/ (972) 205 - 21		
Elevation Mas					E-mail: gbreysac@ci.garland.tx.us				
Receiver Brand &	Model: Top	ocon Hiper I	Lite-Internal				STATIC DATA		
Base			Rover	NOTE: ELE	EV. 492.9	97 IS ORTI	HO HT. CALC.	BY OPUS.	
P/N:01-840802-0	3	P/N:01-840							
S/N: 263-0243		S/N: 263-0							
ID:8QATEMNVCI	HS	ID:80KPW	2V2RR4						
** A	NTENNA H	EIGHT **		Me	eters	Feet	NAD	083 TXNC (4202)	
Slant Height to Al	RP:			1.609		5.280	N =	6996042.627	
						5.17	E =	2557498.533	
Vertical Height t	o ARP:					1.5758	Z =	492.965	
					CSF =	0.99985949			
Meters = Feet x (I conditions.be	Very Explicit as to			
Height Entered in	Meters.	where and how Measured .							
LOG Checked By			Data File N				•		
						aaa=4	character ID, de	dd=Day of Year,	

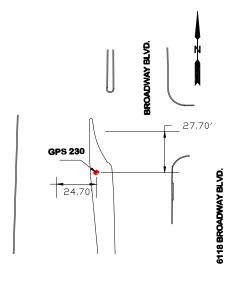


GPS 229, 2" BRASS DISK STAMPED 229, LOCATED ON INLET TOP APPROX. 21' S.E. OF W. BOUND IH 30 FRONTAGE RD. C/L AND APPROX. 112" S.W. OF ROSEHILL RD N. BOUND ON RAMP C/L.

COG MAP GRID N=11MAPSCO 40-F***

Table of Weather										
Problem Visibility Temperature Cloud Cover Wind										
NONE	GOOD		75°	CLOUDY	5 - 10 MPH					
Any obstructions above 10°?	YES	□ NO	Radio Interference source nearby?							

			GPS St	ation Obs	ervation L	.og	
Station Designation	Check app	olicable: 🗸	GEO. CNTRL.	Trav. P	г. Вм	Station PID,if any:	DATE:
						GPS 230	6/15/2007
Project Name: (Geodetic M	onument	Project Nu	mber: GPS	230	Stat.4-Char ID:	Day of Year:
NAD83 Latitude:	NAD83 L	.ongitude:				Session ID: (A,B,C,e	etc.)
32 50 30.59487	96 35 4	4.00119	NAD8	3 Ellipsoidal	Height	Agency Full Name:	City of Garland
Observation	Observation Session Time			124.980	ft./meters		
Sched. Start:				8 Orthometr	ic Height	Operator Full Name	: Toney E. Gibson
Actual Start: 8:45	AM Stop:1	:00 PM_		150.772 ft./meters			
<u> </u>				D03 Geoid		Phone# (972) 205 -	
Elevation Mas		Degrees				E-mail: gbreysac@c	
Receiver Brand 8	Model: To	ocon Hiper	Lite-Interna	l Antenna	Comments	4 HRS. STATIC DA	TA RECORDED.
✓ Base		Rover	NOTE: ELE	EV. 494.66	IS ORTHO HT. CALC	C. BY OPUS.	
P/N:01-840802-0	3	P/N:01-840	0802-03				
S/N: 263-0243		S/N: 263-0					
ID:8QATEMNVC	HS	ID:80KPW	2V2RR4				
** A	NTENNA H	EIGHT **		Me	eters F	eet	AD83 TXNC (4202)
Slant Height to A	RP:			1.682		5.520 N	= 6994505.67600
						5.41 E	= 2553347.96600
Vertical Height t	o ARP:					1.6490 Z	= 494.658
							= 0.99985967
Meters = Feet x (0.3048)			Note: &/or	sketch ANY	unusual conditions.b	oe Very Explicit as to
Height Entered in		1.6490	Meters.	where and	how Meas ı	ıred.	
LOG Checked By	' :		Data File N	Name(s): (standard NGS Format = aaaad			nat = aaaaddds.xxx)
						aaa=4 character ID,	ddd=Dav of Year.



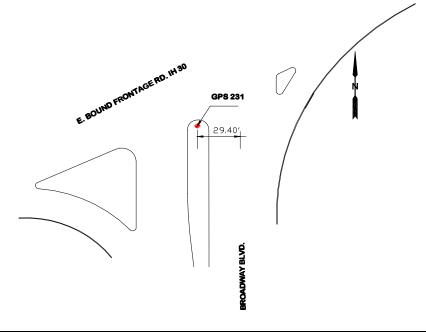
INTERSTATE HWY. 30

GPS 230, 2" BRASS DISK STAMPED 230, LOCATED IN C/L MEDIAN OF BROADWAY BLVD. APPROX. 27' S. OF 6118 BROADWAY BLVD. N. DRIVEWAY & APPROX. 24' E. OF S. BOUND LANE OF BROADWAY BLVD. C/L.

COG MAP GRID 10MAPSCO 40-E***

	Table of Weather										
Problem	Visibility	Temperature	Cloud Cover	Wind							
NONE	CLEAR	85°	CLOUDY	0 - 5 MPH							
Any obstructions above 10°?	YES NO	Radio Interference sou	YES NO								

			GPS St	ation Obse	ervati	on L	og		
Station Designation	Check app	olicable: 🗸	GEO. CNTRL.	Trav. P7	г. 🗌 Е	ВМ	Station PID,if an	ıy:	DATE:
							GPS 231		6/20/2007
Project Name: Ge	eodetic M	onument	Project Nui	mber: GPS -	mber: GPS- 231 Stat.4-Char ID: Day of			Day of Year:	
NAD83 Latitude:	NAD83 L	ongitude:					Session ID: (A,B,C	c,etc.)
32 50 22.15794	32 50 22.15794 96 35 44.20683 NAI			3 Ellipsoidal			Agency Full Name	e: C	ity of Garland
Observation		Гіте		121.213	ft./m	eters			
Sched. Start:Stop: NA			NAVD88	3 Orthometr		•	Operator Full Nam	ne: To	oney E. Gibson
	Actual Start:9:01 AM Stop: 1:06 PM				ft./m				
	Epoch Interval = 10 Seconds			D03 Geoid			Phone# (972) 205		
L	Elevation Mask = Degrees				ft./meters E-mail: gbreysac@ci.garland.tx.us				
Receiver Brand & I	ocon Hiper I				4 HRS. STATIC D				
✓ Base			Rover	NOTE: ELE	EV. 48	2.31 I	S ORTHO HT. CAI	LC. E	BY OPUS.
P/N:01-840802-03		P/N:01-840							
S/N: 263-0243		S/N: 263-0							
ID:8QATEMNVCH	S	ID:80KPW	2V2RR4						
** AN	ITENNA H	EIGHT **		Me	eters	Fe	eet	NAD	83 TXNC (4202)
Slant Height to AR	P:			1.716			5.630	N =	6993652.88700
							5.52	E =	2553345.88000
Vertical Height to	ARP:						1.6825	Z =	482.305
							CS	F =	0.99986041
Meters = Feet x (0.		<u> </u>		Note: &/or sketch ANY unusual conditions.be Very Explicit as to					
Height Entered into	receiver:	1.6825	Meters.	where and	how N	<u>leas</u> u			
LOG Checked By: Data File N			Data File N				,		
							aaa=4 character II	D, dd	d=Day of Year,

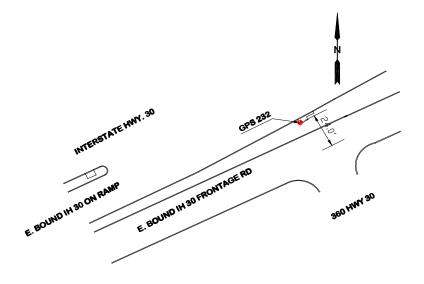


GPS 231, 2" BRASS DISK STAMPED 231, LOCATED ON MEDIAN NOSE S. OF IH 30 BRIDGE & E. BOUND FRONT-AGE RD. AND APPROX. 29' W. OF BROADWAY BLVD. C/L.

COG MAP GRID N-10MAPSCO 39A-M & 40-J***

Table of Weather										
Problem Visibility Temperature Cloud Cover Wind										
NONE	CLEAR		90°	CLOUDY	10 - 1	5 MPH				
Any obstructions above 10°?	YES	☐ NO	Radio Interference sou	☐ NO						

			GPS Sta	ation Obse	ervation	n Lo	og		
Station Designation	Check app	olicable: 🗸	GEO. CNTRL.	Trav. PT	г. 🗌 вм		Station PII	D,if any:	DATE:
							GPS 2	232	7/24/2007
Project Name: C	Seodetic M	onument	Project Nur	mber: GPS -	232		Stat.4-Char ID:		Day of Year:
NAD83 Latitude:	NAD83 L	.ongitude:					Session ID:	(A,B,C,etc	.)
32 50 28.55180	96 35 3	0.64095	NAD83	3 Ellipsoidal	Height		Agency Full	Name: C	City of Garland
Observatio	n Session 7	Гіте		125.541	ft./met	ers	<u> </u>		,
Sched. Start:	Stop:_		NAVD88	3 Orthometr	ic Heigh	t	Operator Fu	ll Name: T	oney E. Gibson
Actual Start: 11:30				151.323					
Epoch Interva			GEOI	D03 Geoid	eoid Height Phone# (972) 205 - 2157				
Elevation Mask = Degrees ft./meters E-mail: gbreysac@ci.garland.tx.us									
Receiver Brand &									
✓ Base Rover				NOTE: ELEV. 496.47 IS ORTHO HT. CALC. BY OPUS.					
P/N:01-840802-03	3	P/N:01-840							
S/N: 263-0243		S/N: 263-0							
ID:8QATEMNVCH	1S	ID:80KPW	/2V2RR4						
** Al	NTENNA H	EIGHT **		Me	eters	Fe	eet	NAD	83 TXNC (4202)
Slant Height to AF	RP:			1.624			5.330	N =	6994319.92500
							5.22	E =	2554491.28000
Vertical Height to	o ARP:						1.5911	Z =	496.465
									0.99985962
Meters = Feet x (0				Note: &/or	sketch A	NY	unusual con	ditions.be	Very Explicit as to
Height Entered in		1.5911	Meters.	where and	how Me	asu	red.		
LOG Checked By	:		Data File N	ile Name(s):			(standard NGS Format = aaaaddds.xxx)		
							aaa=4 chara	cter ID, do	ld=Day of Year,

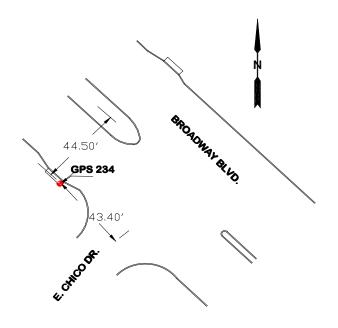


GPS 232, 2" BRASS DISK STAMPED 232, LOCATED ON INLET TOP APPROX. 24' N.W. OF E. BOUND IH 30 FRONTAGE RD, IN FRONT OF 360 I.H. 30 ENTRANCE DRIVEWAY.

COG MAP GRID N-11MAPSCO 40-E***

Problem	Visibility	Temperature	Cloud Cover	Wind			
NONE	CLEAR	85°	P / CLOUDY	5 - 10 MPH			
Any obstructions above 10°?	YES NO	Radio Interference sou	YES NO				
BBIG COR							

			GPS St	ation Obse	ervatio	n L	og		
Station Designation	Check app	olicable: 🗸	GEO. CNTRL.	Trav. P	г. 🗌 вм	1	Station PID,i	f any:	DATE:
							GPS 234	4	6/12/2007
Project Name: G	eodetic M	onument	Project Nu	mber: GPS -	234		Stat.4-Char ID:		Day of Year:
NAD83 Latitude:	NAD83 L	ongitude:					Session ID: (A,	B,C,etc	.)
32 53 05.06372	96 37 4	2.23549	NAD8	3 Ellipsoidal			Agency Full Na	me: C	City of Garland
Observation	n Session 7	Гime		141.830		ters	,		
Sched. Start:	Stop:_		NAVD88	3 Orthometr			Operator Full N	lame: T	oney E. Gibson
Actual Start: 9:17	•			167.695					
Epoch Interva			GEOI	D03 Geoid			Phone# (972) 2		
Elevation Mask		Degrees					E-mail: gbreysa		
Receiver Brand & Model: Topcon Hiper Lite-Internal Antenna									
✓ Base Rover				NOTE: ELE	EV. 550.	.18 I	S ORTHO HT.	CALC. I	BY OPUS.
P/N:01-840802-03	3	P/N:01-840							
S/N: 263-0243		S/N: 263-0							
ID:8QATEMNVCH	IS	ID:80KPW	2V2RR4						
** AN	NTENNA H	EIGHT **		Me	eters	Fe	eet	NAD	83 TXNC (4202)
Slant Height to AR	RP:			1.731			5.680	N =	7009932.15800
							5.57	E =	2542985.02600
Vertical Height to	ARP:						1.6977	Z =	550.179
								CSF =	0.99985458
Meters = Feet x (0	,	<u> </u>	<u> </u>	Note: &/or	sketch A	ANY	unusual condit	ions.be	Very Explicit as to
Height Entered into		1.6977	Meters.	where and how Measured .					
LOG Checked By:			Data File N				•		
							aaa=4 characte	er ID, do	dd=Day of Year,

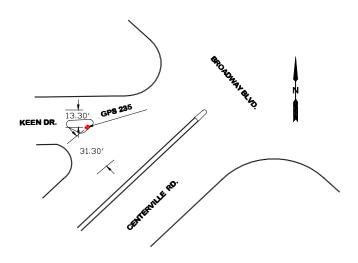


GPS 234, 2" BRASS DISK STAMPED 234, LOCATED ON INLET TOP E. COR OF BROADWAY BLVD. & CHICO DR INT. APPROX. 44' SW OF BROADWAY BLVD. C/L AND APPROX. 43' NW OF E. CHICO DR C/L.

COG MAP GRID J-8MAPSCO 29A-J***

Table of Weather									
Problem	Visil	bility	Temperature	Cloud Cover	Wind				
NONE	GO	OD	85°	P/CLOUDY	0 - 5 MPH				
Any obstructions above 10°?	YES	□ NO	Radio Interference sou	YES NO					

			GPS St	ation Obse	ervation 1	Log				
Station Designation	Check app	olicable: 🗸	GEO. CNTRL.	Trav. P7	вм	Station PID	if any:	DATE:		
						GPS 2	35	6/13/2007		
Project Name: (Geodetic M	onument	Project Nu	mber: GPS -	235	Stat.4-Char ID: _		Day of Year:		
NAD83 Latitude:	NAD83 L	.ongitude:				Session ID: (A	A,B,C,etc) .)		
32 52 43.36107	96 37 1	8.70876	NAD8	3 Ellipsoidal		Agency Full N	lame: (City of Garland		
Observation	on Session ⁻	Time			ft./meter	8				
Sched. Start:	Stop:		NAVD88	3 Orthometr			Name: T	oney E. Gibson		
Actual Start: 9:20					ft./meter					
Epoch Interv			GEOI	D03 Geoid		Phone# (972)				
Elevation Mas		Degrees				ft./meters E-mail: gbreysac@ci.garland.tx.us				
Receiver Brand 8	ocon Hiper	Lite-Internal								
✓ Base Rover				NOTE: ELE	EV. 539.03	IS ORTHO HT	. CALC.	BY OPUS.		
P/N:01-840802-0	3	P/N:01-840								
S/N: 263-0243		S/N: 263-0								
ID:8QATEMNVC	HS	ID:80KPW	/2V2RR4							
** A	NTENNA H	EIGHT **		Meters Fo		Feet	NAC	983 TXNC (4202)		
Slant Height to A	RP:			1.705		5.595	N =	7007775.09000		
						5.485	E =	2545029.99000		
Vertical Height t	o ARP:					1.6718	Z =	539.034		
								0.99985542		
Meters = Feet x (0.3048)			Note: &/or	sketch AN	Y unusual cond	itions.be	Very Explicit as to		
Height Entered in		1.6718	Meters.	where and	how Meas	ured.				
LOG Checked By: Data File			Data File N	lame(s):		(standard NG	S Forma	t = aaaaddds.xxx)		
						aaa=4 charac	ter ID, de	dd=Day of Year,		

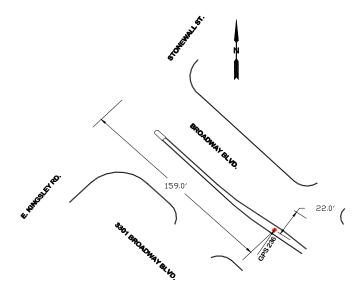


GPS 235, 2" BRASS DISK STAMPED 235 LOCATED IN MEDIAN ISLAND @ INT. OF KEEN DR. & CENTERVILLE RD. APPROX. 31' NW. C/L W. BOUND CENTERVILLE RD. AND 13' S. C/L KEEN DR. WEST BOUND LANE.

COG MAP GRID K-8MAPSCO 29A-P***

Table of Weather									
Problem	Visik	oility	Temperature	Cloud Cover	Wind				
NONE	GOOD		85°	CLOUDY	5 - 10 MPH				
Any obstructions above 10°?	YES	☐ NO	Radio Interference sou	YES NO					

			GPS St	ation Obse	ervati	on L	og		
Station Designation	Check app	olicable: 🗸	GEO. CNTRL.	Trav. P7	ī. 🔲 I	ЗМ	Station PID,if any	/: DATE:	
-							GPS 236	6/14/2007	
Project Name: (Seodetic M	onument	Project Nui	mber: GPS -	236		Stat.4-Char ID:	Day of Year:	
NAD83 Latitude:	NAD83 L	.ongitude:					Session ID: (A,B,C,	etc.)	
32 52 32.64149	96 37 0	4.29556	NAD8	3 Ellipsoidal			Agency Full Name:	City of Garland	
Observatio	n Session ⁻	Time		138.913	ft./m	eters	,		
Sched. Start:	Stop:		NAVD88	3 Orthometr	ic Hei	ght	Operator Full Name	e: Toney E. Gibson	
Actual Start: 9:20				164.752		eters			
Epoch Interv		econds	GEOI	D03 Geoid			Phone# (972) 205 -		
Elevation Mas		Degrees					ers E-mail: gbreysac@ci.garland.tx.us		
Receiver Brand & Model: Topcon Hiper Lite-Internal Antenna Comments: 4 HRS. STATIC									
Base			Rover	NOTE: ELE	EV. 54	0.524	IS ORTHO HT. CAI	LC. BY OPUS.	
P/N:01-840802-0	3	P/N:01-840							
S/N: 263-0243		S/N: 263-0							
ID:8QATEMNVC	HS	ID:80KPW	2V2RR4						
** A	NTENNA H	EIGHT **		Meters Fo		Fe	eet N	AD83 TXNC (4202)	
Slant Height to Af	RP:			1.686			5.530 N	= 7006713.96600	
							5.42 E	= 2546278.26900	
Vertical Height to	o ARP:						1.6520 Z	= 540.524	
							CSF	= 0.9998555	
Meters = Feet x (,			Note: &/or	sketch	ANY	unusual conditions.	be Very Explicit as to	
Height Entered in		1.6520	Meters.	where and	how N	leasu	red.		
LOG Checked By: Data File			Data File N	Name(s): (standard NGS Format =			•		
							aaa=4 character ID	, ddd=Day of Year,	

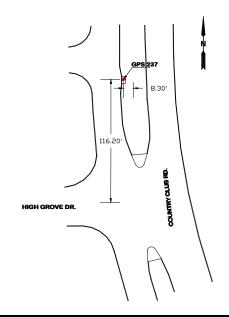


GPS 236, 2" BRASS DISK STAMPED 236, LOCATED IN C/L MEDIAN ON BROADWAY BLVD. APPROX. 22' SW OF THE N. BOUND LANE C/L AND APPROX. 159' SE OF BROADWAY, KINGSLEY & STONEWALL INT.

COG MAP GRID K-9MAPSCO 29A-P***

Table of Weather									
Problem	Visibility	Temperature	Cloud Cover	Wind					
NONE	GOOD	85°	P/ CLOUDY	0 -5 MPH					
Any obstructions above 10°?	YES NO	Radio Interference sou	YES NO						

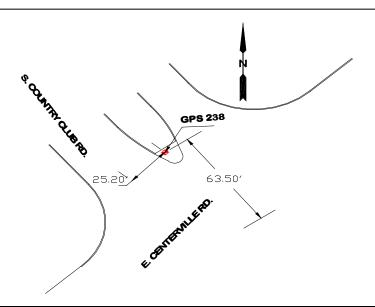
			GPS St	ation Obse	ervation L	og			
Station Designation	Check app	licable: 🗸	GEO. CNTRL.	Trav. P1	·. ВМ	Station PID,if any	: DATE:		
						GPS 237	3/2/2007		
Project Name: (Geodetic M	onument	Project Nu	mber: GPS-	237	Stat.4-Char ID:	Day of Year:		
NAD83 Latitude:	NAD83 L	ongitude:				Session ID: (A,B,C,	etc.)		
32 53 23.99077	96 36 49	9.26662	NAD8	3 Ellipsoidal	Height	Agency Full Name:	City of Garland		
Observation	on Session 1	īme		132.532	ft./meters				
Sched. Start:	Stop:_		NAVD88	8 Orthometr	ic Height	Operator Full Name	: Toney E. Gibson		
Actual Start: 10:38	3 AM Stop: 2	:43 PM			ft./meters				
Epoch Interv	al = <u>10</u> Se	conds	GEOI	ID03 Geoid	Height	Phone# (972) 205 -	2157		
Elevation Mas		Degrees				E-mail: gbreysac@ci.garland.tx.us			
Receiver Brand 8	k Model: Top	con Hiper	Lite-Internal			: 4 HRS. STATIC DA			
☐ Base ✓ Rover			Rover	NOTE: ELE	V. 519.53 l	S ORTHO HT. CAL	C. BY OPUS.		
P/N:01-840802-03 P/N:01-840802-03			0802-03						
S/N: 263-0243		S/N: 263-0	233						
ID:8QATEMNVC	HS	ID:80KPW	/2V2RR4						
** A	NTENNA H	EIGHT **		Me	eters F	eet N	AD83 TXNC (4202)		
Slant Height to A	RP:			1.606		5.270 N	= 7011925.351		
						5.16 E	= 2547466.508		
Vertical Height t	o ARP:					1.5728 Z	= 519.526		
						CSF	= 0.99985577		
Meters = Feet x (0.3048)			Note: &/or	sketch ANY	unusual conditions.	be Very Explicit as to		
Height Entered in	to receiver:	1.5728	Meters.	where and	how Meas u	ıred.			
LOG Checked By: Data File			Data File N	Name(s):		(standard NGS Format = aaaaddds.xxx)			
						aaa=4 character ID	ddd=Day of Year		



GPS 237, 2" BRASS DISK STAMPED 237, LOCATED ON INLET TOP IN C/L MEDIAN ON COUNTRY CLUB RD.
APPROX. 8.30' E. OF COUNTRY CLUB RD. C/L AND APPROX. 116' N. OF COUNTRY CLUB RD. & HIGH GROVE DR.
C/L INTERSECTION. ***COG MAP GRID J-9***MAPSCO 29A-L***

Table of Weather								
Problem	Visibility	Temperature	Cloud Cover	Wind				
NONE	GOOD	60°	CLEAR	15 - 20 MPH				
Any obstructions above 10°?	YES NO	Radio Interference sou	YES NO					

			GPS St	ation Obse	ervation L	og		
Station Designation	Check app	licable: 🗸	GEO. CNTRL.	Trav. P1	<u>ВМ</u>	Station PID,	if any:	DATE:
						GPS 23	8	3/2/2007
Project Name: (Geodetic M	onument	Project Nu	mber: GPS -	238	Stat.4-Char ID:		Day of Year:
NAD83 Latitude:	NAD83 L	ongitude:				Session ID: (A	,B,C,et	c.)
32 53 13.21033	96 36 4°	1.79038	NAD8	3 Ellipsoidal	Height	Agency Full N	ame: (City of Garland
Observation	on Session T	Time		128.068	ft./meters			
Sched. Start:	Stop:_		NAVD88	8 Orthometr	ic Height	Operator Full I	Name: 1	oney E. Gibson
Actual Start: 10:52	2 AM Stop:2	:57 PM		153.883	ft./meters			
Epoch Interv	/al = <u>10</u> Se	econds	GEOI	D03 Geoid		Phone# (972)		
Elevation Mas	sk = [Degrees			ft./meters	E-mail: gbreys	ac@ci.	garland.tx.us
Receiver Brand 8	& Model: Top	con Hiper	Lite-Internal	l Antenna	Comments	:4 HRS. STATI	C DATA	RECORDED.
✓ Base Rover			Rover	NOTE: ELE	V. 504.86	IS ORTHO HT.	CALC.	BY OPUS.
P/N:01-840802-0	3	P/N:01-840	0802-03					
S/N: 263-0243		S/N: 263-0	233					
ID:8QATEMNVC	HS	ID:80KPW	/2V2RR4					
** A	NTENNA H	EIGHT **		Meters F		eet	NAC	083 TXNC (4202)
Slant Height to A	RP:			1.641		5.385	N =	7010847.53100
						5.275	E =	2548123.43400
Vertical Height t	o ARP:					1.6078	Z =	504.864
							CSF =	0.99985662
Meters = Feet x (0.3048)			Note: &/or	sketch ANY	unusual condi	tions.be	Very Explicit as to
Height Entered in	nto receiver :	1.6078	Meters.	where and	how Meas u	ıred.		
LOG Checked By	<i>/</i> :		Data File N	lame(s):		(standard NGS Format = aaaaddds.xxx)		
			I	(-)		aaa=4 character ID, ddd=Day of Year,		

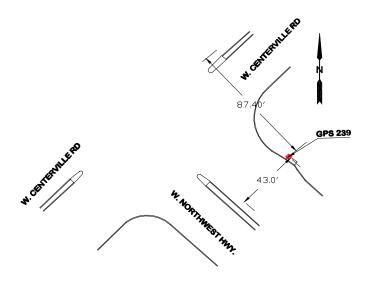


GPS 238, 2" BRASS DISK STAMPED 238, LOCATED ON THE MEDIAN NOSE. APPROX. 63' NW OF CENTERVILLE RD. & COUNTRY CLUB RD INT. & APPROX. 25' NE OF COUNTRY CLUB RD. SOUTH BOUND LANE C/L.

COG N	MAP GRID	J-9*MAPSCO	20Δ_I ***
	MWL (317117)	J-9 IVIAL OCC	Z3/\

Table of Weather										
Problem Visibility Temperature Cloud Cover Wind										
NONE	NONE GOOD 60° CLEAR 10 - 20 MPH									
Any obstructions above 10°?	Any obstructions above 10°?									

GPS Station Observation Log										
Station Designation	Check app	olicable: 🗸	GEO. CNTRL.	Trav. P7	г. 🗌 вм	Station PID, if any:	DATE:			
						GPS 239	10/4/2006			
Project Name:	Geodetic M	onument	Project Nu	mber: GPS -	239	Stat.4-Char ID:	Day of Year:			
NAD83 Latitude:	NAD83 L	.ongitude:				Session ID: (A,B,C,et	c.)			
32 51 40.11093	96 38 3	1.87920	NAD8	3 Ellipsoidal	Height	Agency Full Name:	City of Garland			
Observation	on Session	Time		139.329	ft./meters					
Sched. Start:	Stop:		NAVD88	3 Orthometr	ic Height	Operator Full Name:	Гoney E. Gibson			
Actual Start:8:18					ft./meters					
Epoch Interv			GEOI	D03 Geoid		Phone# (972) 205 - 2°				
Elevation Mas		Degrees				E-mail: gbreysac@ci.				
Receiver Brand 8	k Model: To _l	ocon Hiper	Lite-Internal			4 HRS. STATIC DATA				
☐ Base			Rover	NOTE: ELE	EV. 542.15	IS ORTHO HT. CALC.	BY OPUS.			
P/N:01-840802-0	3	P/N:01-840								
S/N: 263-0243		S/N: 263-0								
D:8QATEMNVC	HS	ID:80KPW	'2V2RR4							
** △	NTENNA H	EIGHT **		Me	eters F	eet NAI	D83 TXNC (4202)			
Slant Height to A	RP:			1.692		5.55 N =	7001273.250			
						5.44 E =	2538904.489			
/ertical Height to	ARP:					Z =	542.154			
							0.99985625			
Meters = Feet x (Note: &/or	sketch AN	unusual conditions.be	Very Explicit as to			
Height Entered in		1.6581	Meters.	where and	how Meas ı	ured.				
LOG Checked By	/ :		Data File N	lame(s):		(standard NGS Forma	•			
						aaa=4 character ID, d	dd=Day of Year,			

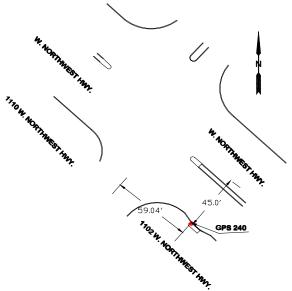


GPS 239, 2" BRASS DISK STAMPED 239 LOCATED ON INLET TOP ON NORTHWEST HWY. APPROX. 43 N.E. OF W. NORTHWEST HWY. C/L. APPROX 87' S.E. OF W. CENTERVILLE RD. C/L.

COG MAP GRID L-7MAPSCO 29-Y***

Table of Weather										
Problem Visibility Temperature Cloud Cover Wind										
NONE	NONE GOOD 76° CLEAR 5 - 10 MPH									
Any obstructions above 10°?										

	GPS Station Observation Log											
Station Designation	Check app	olicable: 🗸	GEO. CNTRL.	Trav. P	Г. 🗌 ВМ	1	Station PII	D,if any:	DATE:			
							GPS 2	240	10/4/2006			
Project Name: (Geodetic M	onument	Project Nu	Number: GPS- 240			Stat.4-Char ID: Day of Year:					
NAD83 Latitude:		ongitude:					Session ID: ((A,B,C,etc	5.)			
32 51 45.82076	96 38 4	0.06302	NAD8	83 Ellipsoidal Height			Agency Full Name: City of Garland					
Observation Session Time			140.781	ft./me	ters	,						
Sched. Start:	Stop:_		NAVD88	3 Orthometr		nt	Operator Ful	l Name: T	oney E. Gibson			
Actual Start:8:20 AM Stop:12:33 PM				166.707								
Epoch Interv			GEOI	D03 Geoid			Phone# (972	,				
Elevation Mask = Degrees					ft./meters E-mail: gbreysac@ci.garland.tx.us							
Receiver Brand &	Lite-Internal											
✓ Base Rover				NOTE: ELE	EV. 546.	.94 I	S ORTHO H	T. CALC. I	BY OPUS.			
P/N:01-840802-0	3	P/N:01-840	0802-03									
S/N: 263-0243		S/N: 263-0										
ID:8QATEMNVC	HS	ID:80KPW	2V2RR4									
** A	NTENNA H	EIGHT **		Me	eters	Fe	eet	NAD	83 TXNC (4202)			
Slant Height to Al	RP:			1.594			5.230	N =	7001837.84600			
							5.12	E =	2538196.40300			
Vertical Height to	o ARP:						1.5606	Z =	546.938			
							0.99985593					
Meters = Feet x (Note: &/or sketch ANY unusual conditions.be Very Explicit as to					Very Explicit as to					
Height Entered in	to receiver :	1.5606	Meters.	where and	how Me	asu	red.					
LOG Checked By	:		Data File N	lame(s):			(standard NO	GS Forma	t = aaaaddds.xxx)			
							aaa=4 chara	cter ID, do	dd=Day of Year,			



GPS 240, 2" BRASS DISK, STAMPED 240, LOCATED ON BC INLET TOP @1102 NORTHWEST HWY. APPROX. 59' S.E. OF 1110 NORTHWEST HWY. ENTRANCE WAY C/L. APPROX. 45' S.W. OF NORTHWEST HWY. C/L. ***COG MAP GRID L-7***MAPSCO 29-Y***

Table of Weather											
Problem Visibility Temperature Cloud Cover Wind											
NONE	GO	OD	87°	CLEAR	5 - 10) MPH					
Any obstructions above 10°?											

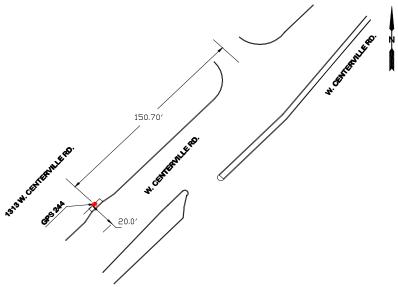
GPS Station Observation Log										
Station Designation	Check ap	plicable: 🗸	GEO. CNTRL.	Trav. P	т. 🗌 вм		Station P	ID,if any:	DATE:	
							GPS	241	10/5/2006	
Project Name: (Geodetic N	lonument	Project Nu	mber: GPS -	- 241		Stat.4-Char ID	:	Day of Year:	
NAD83 Latitude:		_ongitude:					Session ID: (A,B,C,etc.)			
32 51 51.29298		55.60254	NAD8				Agency Full Name: City of Garland			
	n Session				ft./mete	$\overline{}$			-	
Sched. Start:	Stop:		NAVD8	8 Orthometr			Operator Fu	ıll Name: To	oney E. Gibson	
Actual Start: 9:06			0=0		ft./mete		D	10) 005 04		
Epoch Interv			GEO	D03 Geoid			Phone# (97			
Elevation Mas		Degrees	'(1 (I A . (E-mail: gbre			
Receiver Brand 8						RECORDED.				
✓ Base P/N:01-840802-0	2	P/N:01-840	Rover	NOTE. ELI	EV. 569.6)Z I	S ORTHO F	II. CALC. E	ST UPUS.	
S/N: 263-0243	ა	S/N: 263-0								
ID:8QATEMNVCI	H6	ID:80KPW								
ID.OQATEMINVCI	10	IID.OOKF W	ZVZNN4							
** A	NTENNA H	HEIGHT **		M	eters	Fa	eet	NAD	83 TXNC (4202)	
Slant Height to Al		1.679			5.51	N =	7002367.386			
Clarit Holgrit to Al				1.079			5.40		2536861.514	
Vertical Height to	ARP.						0.40		569.618	
								0.99985476		
Meters = Feet x (0.3048)			Note: &/or	sketch A	NY	unusual cor		Very Explicit as to	
Height Entered into receiver: 1.64592 Meters. where and how Measured.										
LOG Checked By	OG Checked By: Data File Name(s): (standard NGS Format = aaaaddds.xxx)									
	aaa=4 character ID, ddd=Day of Year,									
W. NORTHWEST HWY.										
CDS 2441 2" DD	V C C DICK		44' L OCAT	ED ON DAG		<u> </u>	T TOD @ TI			
	GPS 241', 2" BRASS DISK STAMPED 241' LOCATED ON BACK OF INLET TOP @ THE N.W. COR. OF THE INT. OF NORTHWEST HWY. & SATURN RD. APPROX. 126' W. OF SATURN RD. C/L. APPROX. 44' N. OF NORTHWEST									
HWY. C/L.						νD.	O/L. AFFRO	77. 44 IV. C	NONTHWEST	
HWY. C/L. ***COG MAP GRID L-6***MAPSCO 29-Y*** Table of Weather										
Dealla	~	1/3-3	bility			-	Claud	Cover	Mind	
Probler NONE			OD		erature 77°		Cloud P/CLC		Wind 5 - 10 MPH	
Any obstructions						יייספ	rce nearby ?		YES NO	
RPLS: GSB	P.Chief: T		Field Tech		Field Te					

GPS Station Observation Log										
Station Designation	Check ap	plicable: 🔽	GEO. CNTRL.	Trav. P	Г. 🗌 ВМ		Station P		DATE:	
							GPS	242	10/6/2006	
Project Name: (Project Nu	mber: GPS -	242	(Stat.4-Char ID):	Day of Year:	
NAD83 Latitude:							Session ID: (A,B,C,etc.)			
32 51 51.20294		0.43490	NAD8	3 Ellipsoidal Height			Agency Ful	l Name: C	ity of Garland	
	n Session				ft./mete	_				
Sched. Start:	Stop:		NAVD88	3 Orthometr			Operator Fu	ull Name: To	oney E. Gibson	
Actual Start:8:58					ft./mete					
Epoch Interv		econds Degrees	GEOI	D03 Geoid				(2) 205 - 21		
Elevation Mas	'(. 1 . (Α. (arland.tx.us			
Receiver Brand 8	Nodel: 10		_						RECORDED.	
Base		_	Rover	NOTE: ELE	=V. 5/U./	218	SURTHUE	IT. CALC. E	3Y UPUS.	
P/N:01-840802-0	3	P/N:01-840								
S/N: 263-0243 ID:8QATEMNVCI	10	S/N: 263-0: ID:80KPW								
ID.6QATEMINVCI	10	ID.6UKPW	ZVZRR4							
** A	NTENNA H	IEIGHT **		N/A	otoro	Fe	o t	NAD	83 TXNC (4202)	
Slant Height to Al	DD.			1.732	eters		5.685	N -	7002336.025	
Siant Height to Ai	NF.			1.732			5.575		2535596.851	
Vertical Height to	ΔRD·						3.373		570.724	
Vertical Height to	AIN .								0.99985471	
Meters = Feet x (0.3048)			Note: &/or:	sketch Al	NY	unusual coi		Very Explicit as	to
		1 69926	Meters					101110110100	Tory Expriore do	
LOG Checked By	Height Entered into receiver: 1.69926 Meters. where and how Measured. LOG Checked By: Data File Name(s): (standard NGS Format = aaaaddds.xxx)									
W. NORTHWEST HWY. 47.50' W. NORTHWEST HWY.										
GPS 242, 2" BRASS DISK STAMPED 242' LOCATED ON THE BACK OF A TRIPLE INLET IN FRONT OF 1661 NORTHWEST HWY. APPROX. 212' E. OF JACKSON DR. C/L AND APPROX. 48' N. OF NORTHWEST HWY. C/L. ***COG MAP GRID L-6***MAPSCO 29-X*** Table of Weather Problem Visibility Temperature Cloud Cover Wind NONE GOOD 72° CLEAR 10 - 15 MPH										
NONE						一			10 - 15 MPI	-
Any obstructions	above 10°	? YES	□ NO	Radio Inter	ference s	our	ce nearby '	?	YES	NO
RPLS: <u>GSB</u>	P.Chief: T	G	Field Tech:	KW	Field Ted	ch:	CW			

4/12/2008

GPS Station Observation Log									
Station Designation	Check app	olicable: 🗸	GEO. CNTRL.	Trav. P	т. Вм	Station F	ID,if any:	DATE:	
						GPS	3 243	7/30/2007	
Project Name: C	Seodetic M	onument	Project Nu	mber: GPS	- 243	Stat.4-Char II	D:	Day of Year:	
NAD83 Latitude:		.ongitude:	,			Session ID	: (A,B,C,etc		
32 51 50.22599		7.98492	NAD8	3 Ellipsoida	l Height			City of Garland	
	n Session				ft./meter		ii Naille.	nty of Gariand	
Sched. Start:	Stop:	11110	NAVD8	8 Orthometr			ull Name: T	oney E. Gibson	
Actual Start: 9:00		.05PM	IVAVDO		ft./meter		uli Name. 1	oney L. Olbson	
Epoch Interv			GEO	D03 Geoid			72) 205 - 21	57	
Elevation Mas		Degrees	GLO	D03 Geold		E-mail: gbr			
Receiver Brand &	Model: 10	ocon Hiper	-					RECORDED.	
✓ Base			Rover	NOTE: ELI	EV. 560.21	IS ORTHO I	HI. CALC. I	BY OPUS.	
P/N:01-840802-0	3	P/N:01-840							
S/N: 263-0243		S/N: 263-0							
ID:8QATEMNVC	HS	ID:80KPW	2V2RR4						
** A	NTENNA H	EICHT **					NAD	02 TVNC (4202)	
A	IN I ⊑ININA H			M	eters	Feet	NAD	83 TXNC (4202)	
Slant Height to AF	RP:			1.671		5.485	N =	7002211.03000	
5						5.375		2534102.01400	
Vertical Height to	ARP:					1.6383		560.212	
a. mongrit to								0.99985523	
Meters = Feet x (0	3048)			Note: &/or	sketch ΔN	Y unusual co		Very Explicit as to	
Height Entered in	,	1.6383	Meters.	where and			mandono.bc	very Explicit as to	
LOG Checked By		1.0303	Data File N		HOW WEas		ICS Forma	t = aaaaddds.xxx)	
LOG Checked by	•		Dala File N	varrie(s).		,		dd=Day of Year,	
			TOWNGATE BLVD.		_				
		>		E. NORTHWE	ST HWY.				
E 1	NORTHWEST	ших			45.60′				
	_		5:	3,40′	SPS 243				
			:	2002 NORTHV	VEST HWY.				
GPS 243, 2" BRA	SS DISK S	TAMPED 2	43, LOCAT	ED ON INL	ET TOP. A	PPROX. 46'	S. OF E. NO	ORTHWEST HWY.	
C/L AND APPRO									
***COG MAP GR									
300 1/1/11 011		000 20-7		able of W	oathar				
						1			
Problen			bility		erature		Cover	Wind	
NONE			OD		35°		OUDY	0 - 5 MPH	
Any obstructions	above 10°	? Tes	☐ NO	Radio Inter	rference so	ource nearby	?	YES NO	
RPLS: <u>GSB</u>	P.Chief: TO	3	Field Tech	KW_	Field Tecl	h: CW		<u> </u>	

			GPS St	ation Obse	ervation L	.0g			
Station Designation	Check app	olicable: 🔽				Station P	ID.if anv:	DATE:	
otalien 200.g.i.a	On Son Espir	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	OLO: CITTILE		1 5	GPS		6/19/2007	
Project Name: C	Geodetic M	onument	Project Nu	mber: GPS-	244	Stat.4-Char ID):	Day of Year:	
NAD83 Latitude:						Session ID:	(A,B,C,etc	-	
32 51 25.74103		1.03305	NAD8	3 Ellipsoidal	Height	 		City of Garland	
Observatio	n Session 7	Time			ft./meters			, , , , , , , , , , , , , , , , , , ,	
Sched. Start:	Stop:_		NAVD88	8 Orthometr	ic Height	Operator Fu	ull Name: T	oney E. Gibson	
Actual Start: 9:54 AM Stop: 2:30 PM				171.387	ft./meters	1			
Epoch Interv	al = 10 Se	econds	GEOI	ID03 Geoid	Height	Phone# (97	'2) 205 - 21	57	
Elevation Mask = Degrees					ft./meters E-mail: gbreysac@ci.garland.tx.us				
Receiver Brand &	Model: Tor	pcon Hiper I	Lite-Internal	Antenna	Antenna Comments: 4 HRS. STATIC DATA RECORDED.				
✓ Base Rover				NOTE: ELF	EV. 562.29 l	IS ORTHO F	IT. CALC. I	BY OPUS.	
P/N:01-840802-0	3	P/N:01-840)802-03						
S/N: 263-0243		S/N: 263-02	233						
ID:8QATEMNVC	HS	ID:80KPW	2V2RR4						
** A	NTENNA H	EIGHT **		Me	eters F	eet	NAD	983 TXNC (4202)	
Slant Height to AF	RP:			1.701		5.580	N =	6999792.44500	
			!			5.47	E =	2537296.70600	
Vertical Height to	o ARP:					1.6673	Z =	562.292	
				<u> </u>			CSF =	0.99985552	
Meters = Feet x (0.3048)				Note: &/or	sketch ANY	unusual cor	nditions.be	Very Explicit as to	
Height Entered in	to receiver	1.6673	Meters.	where and	how Meas u	ıred.			
LOG Checked By	<i>!</i> :		Data File N	lame(s):		(standard N	IGS Forma	t = aaaaddds.xxx)	
			<u> </u>			aaa=4 char	acter ID, do	dd=Day of Year,	
					,	•	ı		

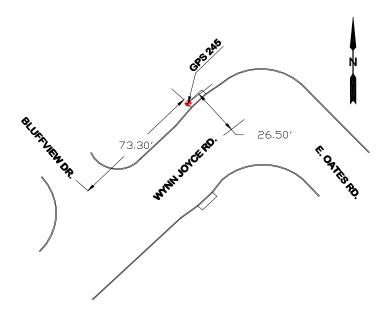


GPS 244, 2" BRASS DISK STAMPED 244, LOCATED ON INLET TOP @ 1313 W. CENTERVILLE RD. APPROX. 20' N.W. OF CENTERVILLE RD. S. BOUND LANE & APPROX. 150' S.W. OF 1313 CENTERVILLE RD ENTRANCE.

*** COG MAP GRID M-6***MAPSCO 29-Y***

Table of Weather											
Problem Visibility Temperature Cloud Cover Wind											
NONE	NONE GOOD 90° CLOUDY 10 - 15 MPH										
Any obstructions above 10°? YES NO Radio Interference source nearby?											

GPS Station Observation Log										
Station Designation	Check app	olicable: 🗸	GEO. CNTRL.	Trav. P	Г. 🗌 Е	3M	Station PID,if an	y:	DATE:	
							GPS 245		10/30/2007	
Project Name: G	eodetic M	onument	Project Nui	mber: GPS -	245		Stat.4-Char ID:		Day of Year:	
NAD83 Latitude:	NAD83 L	ongitude:					Session ID: (A,B,C	etc.)		
32 52 36.19279			NAD8	3 Ellipsoidal			Agency Full Name	: Ci	ty of Garland	
Observatio		Гіте		109.402	ft./m	eters			<u> </u>	
Sched. Start:	Stop:		NAVD88	3 Orthometr	ic Hei	ght	Operator Full Nam	e: To	ney E. Gibson	
Actual Start: 11:23				135.167						
Epoch Interva			GEOI	D03 Geoid			Phone# (972) 205			
Elevation Masl		Degrees					E-mail: gbreysac@			
Receiver Brand & Model: Topcon Hiper Lite - Internal Antenna Comments: 4 HRS. STATIC DATA RECORDED.										
✓ Base			Rover	NOTE: ELE	EV. 44	3.46 I	S ORTHO HT. CAL	.C. B	Y OPUS.	
P/N:01-840802-03	3	P/N:01-840)802-03							
S/N: 263-0243		S/N: 263-0								
ID:8QATEMNVCH	lS .	ID:80KPW	2V2RR4							
** Al	NTENNA H	EIGHT **		Me	eters	Fe	eet	NAD8	33 TXNC (4202)	
Slant Height to AF	RP:			1.618			5.310 N	V =	7007217.75700	
							5.200 E	= 2	2554306.43700	
Vertical Height to	ARP:						1.5850	<u>Z</u> = 4	143.460	
									0.99986008	
Meters = Feet x (0		<u> </u>		Note: &/or	sketch	ANY	unusual conditions	.be \	/ery Explicit as to	
Height Entered int		1.5850	Meters.	where and	how N	leasu				
LOG Checked By:			Data File N	lame(s):			(standard NGS For	rmat	= aaaaddds.xxx)	
							aaa=4 character ID), ddd	d=Day of Year,	



GPS 245, 2" BRASS DISK STAMPED 245, LOCATED ON INLET TOP APPROX. 73' NE OF BLUFFVIEW DR C/L AND APPROX. 27' NW OF WYNN JOYCE RD C/L.

COG MAP GRID K-11MAPSCO 30-N***

	Table of Weather											
Problem Visibility Temperature Cloud Cover Wind												
NONE	GOOD	75°	CLEAR	5 - 10 MPH								
Any obstructions above 10°? YES NO Radio Interference source nearby? YES NO												

RPLS: <u>GSB</u> P.Chief: <u>TG</u> Field Tech: <u>KW</u> Field Tech: <u>CW</u>

Topcon Hiper Lite 4/12/2008

GPS Station Observation Log									
Station Designation	Check app	olicable: 🗸	GEO. CNTRL.	Trav. P	г. 🗌 вг	М	Station PII	D,if any:	DATE:
							GPS 2	246	11/2/2007
Project Name: G	eodetic M	onument	Project Nu	mber: GPS-	246		Stat.4-Char ID:		Day of Year:
NAD83 Latitude: NAD83 Longitude:							Session ID:	(A,B,C,etc	. .)
32 52 30.09049	96 35 2	2.85022	NAD83 Ellipsoidal Height			Agency Full	Name: (City of Garland	
Observation	n Session ⁻	Гіте		108.915					•
Sched. Start:	Stop:		NAVD8	8Orthometri	ic Heigh	nt	Operator Ful	ll Name: T	oney E. Gibson
Actual Start: 9:48A	<u>\M</u> Stop: <u>1</u> :	:50PM		134.675	ft./me	eters			
Epoch Interva			GEOI	D03 Geoid			Phone# (972) 205 - 2157		
Elevation Mask		Degrees	ft./meters			E-mail: gbreysac@ci.garland.tx.us			
Receiver Brand & Model: Topcon Hiper Lite - Inte			_ite - Interna	nal Antenna Comments: 4 HRS. STATIC DATA RECORDED.					
✓ Base Rove			Rover	NOTE: ELEV. 441.85 IS ORTHO HT. CALC. BY OPUS.					BY OPUS.
P/N:01-840802-03	3	P/N:01-840							
S/N: 263-0243		S/N: 263-0							
ID:8QATEMNVCH	IS	ID:80KPW	2V2RR4						
** ANTENNA HEIGHT **				Meters Fe		eet	NAD	083 TXNC (4202)	
Slant Height to AR	RP:			1.766			5.790	N =	7006612.35200
							5.68	E =	2554932.46300
Vertical Height to ARP:							1.7313	Z =	441.846
								CSF =	0.99986025
Meters = Feet x (0.3048)				Note: &/or sketch ANY unusual conditions.be Very Explicit				Very Explicit as to	
Height Entered into	where and how Measured .								
LOG Checked By: Data File			Data File N	Name(s): (st			(standard NGS Format = aaaaddds.xxx)		
				aaa=4 character ID, ddd=Day of Yea				dd=Day of Year,	



GPS 246, 2" BRASS DISK STAMPED 246, LOCATED ON INLET TOP ON E. OATES RD. APPROX. 53' SE OF E. OATES RD & CHESAPEAKE DR. INT. & APPROX. 24' NE OF E. OATES RD. C/L.

COG MAP GRID K-11MAPSCO 30-N***

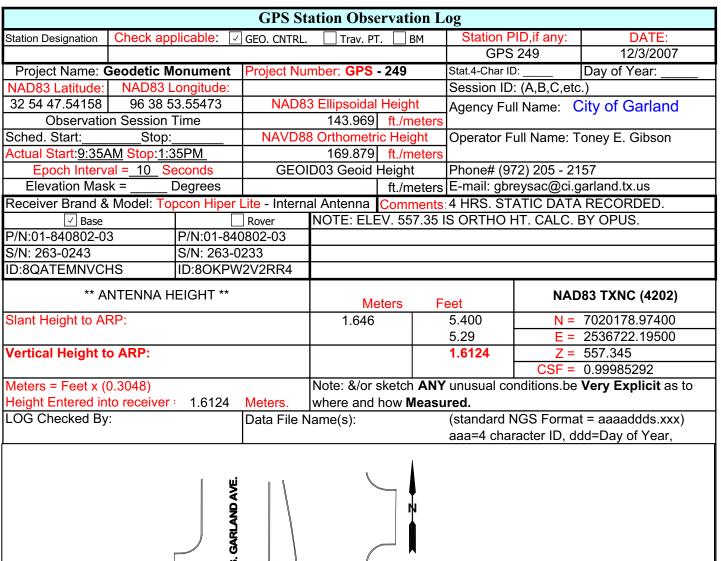
Table of Weather								
Problem	Wind							
NONE GOOD		63°	CLOUDY	5 - 10 MPH				
Any obstructions above 10°?	YES NO	Radio Interference sou	YES NO					

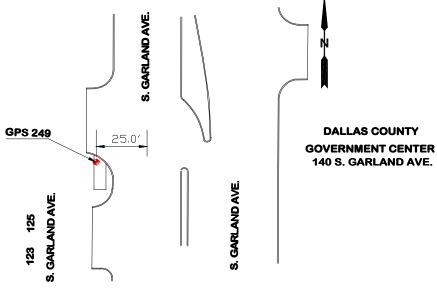
RPLS: <u>GSB</u> P.Chief: <u>TG</u> Field Tech: <u>KW</u> Field Tech: <u>CW</u>

Topcon Hiper Lite 4/12/2008

GPS Station Observation Log									
Station Designation (tation Designation Check applicable:		. Trav. PT. BM		Station P	ID,if any:	DATE:		
					GPS 248		3/7/2007		
			mber: GPS- 248		Stat.4-Char ID:		Day of Year:		
NAD83 Latitude: NAD83 Longitude:					Session ID	: (A,B,C,etc	5.)		
			3 Ellipsoidal Height		Agency Ful	l Name: C	City of Garland		
	Session Time			ft./meters			-		
Sched. Start:	Stop:		8 Orthometr			ull Name: T	oney E. Gibson		
Actual Start: 8:15 Al				ft./meters					
	= 10 Seconds					Phone# (972) 205 - 2157			
Elevation Mask				ft./meters E-mail: gbreysac@ci.garland.tx.us Antenna Comments: 4 HRS. STATIC DATA RECORDED					
Receiver Brand & N	viodei: Topcon Hi	<u> </u>							
Base P/N:01-840802-03	D/N:01	Rover	NOTE: ELI	EV. 470.00	IS ORTHO I	11. CALC. I	BY UPUS.		
S/N: 263-0243		-840802-03 63-0233	-						
ID:8QATEMNVCHS		S-0233 (PW2V2RR4							
ID.OQATEMINVOR	3 ID.001	NE VVZ VZINN4							
** AN	TENNA HEIGHT	**	l M	eters F	eet	NAD	83 TXNC (4202)		
Slant Height to ARI	D.		1.680		5.51	NI -	6997150.664		
Ciant Height to AN	•		1.000		5.40		2549528.037		
Vertical Height to A	RP·				3.40		470.655		
Vortical Froignition							0.99986036		
Meters = Feet x (0.	3048)		Note: &/or	sketch ANY	' unusual co		Very Explicit as to		
Height Entered into	,	59 Meters.		how Meas ı			· ·		
LOG Checked By:		Data File N	lame(s):		(standard N	IGS Forma	t = aaaaddds.xxx)		
			aaa=4 character ID, ddd=Day of Year,						
24.40' GPS 248 24.40' GPS 248 20INT 248 2" RPASS DISK LOCATED ON MEDIAN NOSE APPROX 44'S E. OF THE CILINIT OF DUCK OPERK									
	POINT 248, 2" BRASS DISK LOCATED ON MEDIAN NOSE APPROX. 44' S.E. OF THE C/L INT. OF DUCK CREEK								
DR & CREEKVIEW DR AND APPROX. 24' N.E OF DUCK CREEK DR. S. BOUND C/L. ***COG MAP GRID N-9***MAPSCO 39A-C***									
COG WAP GRIL	N-8 WAPSCC		able of W	eather					
Problem	I	Visibility			Cloud	Cover	Wind		
		GOOD	Temperature 60°			OUDY	5 - 10 MPH		
Any obstructions at	nove 10°?	YES NO			rce nearby		YES NO		
	P.Chief: TG	Field Tech	-	Field Tech:		•			

4/12/2008





GPS 249, 2" BRASS DISK STAMPED 249, LOCATED IN SIDEWALK APPROX. 25' W. OF S. GARLAND AVE. SOUTH BOUND LANE C/L. AT 125 S. GARLAND AVE.

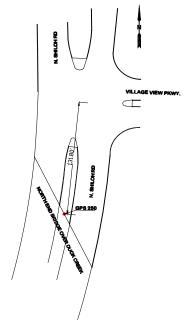
COG MAP GRID G-6 & H-6MAPSCO 19-Y***

Table of Weather								
Problem Visibility Temperature Cloud Cover Wind								
NONE	GOOD	56°	CLEAR	10 - 15 MPH				
Any obstructions above 10°?	YES NO	YES NO Radio Interference source nearby?						

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

Topcon Hiper Lite 4/12/2008

			GPS St	ation Obse	ervatio	on L	og		
Station Designation	Check app	olicable: 🗸	GEO. CNTRL.	Trav. P7	Г. 🗌 ВІ	М	Station PID,if any:	DATE:	
							GPS 250	6/14/2005	
Project Name: Geodetic Monument Project Nu				mber: GPS	- 250		Stat.4-Char ID:	Day of Year:	
NAD83 Latitude:							Session ID: (A,B,C,etc.)		
32 55 43.47461	96 39 5	3.41997	NAD83 Ellipsoidal Height		Agency Full Name: City of Garland				
Observation	n Session 7	Time		147.304					
Sched. Start:	Stop:_		NAVD88	3 Orthometr			Operator Full Name: 1	oney E. Gibson	
Actual Start:8:08/				173.257					
Epoch Interv		econds	GEOI	D03 Geoid			Phone# (972) 205 - 2 ⁻		
Elevation Mas		Degrees		ft./meters E-mail: gbreysac@ci.garland.tx.us					
Receiver Brand 8	Model: Top	con Hiper		al Antenna Comments: 4 HRS. STATIC DATA RECORDED.					
✓ Base			-	NOTE: ELEV. 568.43 IS ORTHO HT. CALC. BY OPUS.					
P/N:01-840802-0	3	P/N:01-840							
S/N: 263-0243		S/N: 263-0	233						
ID:8QATEMNVC	HS	ID:80KPW	/2V2RR4						
** A		Meters Fe			eet NAC	083 TXNC (4202)			
Slant Height to Al	RP:			1.704		5.590 N =	7025741.05300		
							5.48 E =	2531521.29700	
Vertical Height t	o ARP:						1.6703 Z =	568.427	
							CSF =	0.99985179	
Meters = Feet x (Note: &/or sketch ANY unusual conditions.be Very Explicit as to								
Height Entered in	to receiver :	1.6703	Meters.	where and how Measured .					
LOG Checked By: Data File			Data File N	Name(s): (s			(standard NGS Format = aaaaddds.xxx)		
							aaa=4 character ID, d	dd=Day of Year,	



GPS 250, 4" X 4" SQ COG MON. STAMPED 250, LOCATED IN C/L MEDIAN OF SHILOH RD ON THE NORTH END OF BRIDGE OVER DUCK CREEK. APPROX. 132' SOUTH OF VILLAGE VIEW PKWY. C/L.

COG MAP GRID F-5MAPSCO 19-N***

Table of Weather								
Problem	Problem Visibility Temperature Cloud Cover							
NONE	GOOD	74°	CLEAR	5 - 10 MPH				
Any obstructions above 10°?	YES NO	Radio Interference sou	rce nearby ?	YES NO				
DDI 0 00D								

RPLS: <u>GSB</u> P.Chief: <u>TG</u> Field Tech: <u>KW</u> Field Tech: <u>CW</u>

Topcon Hiper Lite 4/12/2008