HORIZONTAL and VERTICAL CONTROL TABULATION

for the

AGUA FRIA RIVER STUDY AERIAL MAPPING PROJECT
MARICOPA COUNTY, ARIZONA

Floodplain Study
FCD 94-25

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Please Return to
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Prepared for:
Flood Control District of Maricopa County
2801 West Durango Street
Phoenix, Arizona 85009

Prepared by:
Aerial Mapping Company, Inc.
3141 West Clarendon Avenue
Phoenix, Arizona 85017

AMC JN 95010

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
11890
RICHARD D.
COOK
Date Signed 10/2/95
ARIZONA, U.S.A.

Richard D. Cook, RLS
Aerial Mapping Company, Inc.
3141 West Clarendon Avenue

SURVEYOR'S REPORT

The photogrammetric and field survey control data contained herein was completed in October 1995. This survey was based upon existing monumentation, the published values of which were acquired from the National Geodetic Survey data base.

The Horizontal datum used was the North American Datum of 1983 epic 1992. The horizontal survey was performed by 2nd Order, Class 2 terrestrial traversing techniques originating on and closing to existing Published Control Monuments and Global Positioning System Control. All field survey data was adjusted using a weighted simultaneous least squares adjustment. Standard horizontal errors obtained from this adjustment are less than 0.02' in both Northing and Easting.

The Vertical datum used was the National Geodetic Vertical Datum of 1929. The vertical survey was performed by standard 3rd Order, Class 1 differential spirit leveling technique originating on and closing to stable Published Control Monuments. All field survey data was adjusted using a simultaneous least squares adjustment. Standard vertical errors obtained from this adjustment are 0.02' for all but two points which are 0.05'.

Aerotriangulation for this project was performed using a simultaneous weighted least squares adjustment program on 1:7200 scale photography. The accuracy criteria obtained for this project was met. The maximum deviation in X & Y found was 0.60' & 0.63' respectively. The maximum deviation in Z found was 0.50'. The RMSE's for the adjusted control points in X, Y & Y were 0.15', 0.19' & 0.05' respectively.

Photogrammetric data on this project was compiled on Analytical Instruments using Digital Terrain Modeling methods. The resultant contour data was computed and edited using a standard engineering program. Quality control test profiles were taken in cross-section form and compared with the terrain model data. The maximum deviations found range to 3'. The maximum differences occurring immediately adjacent to the low flow channel or bushy bank. Allowing for a horizontal shift up to 5' and excluding those areas that are obscure, more than 90% of the test profiles deviate from the terrain model less than 1.0' and 100% less than 2.0'.

The mapping associated with this project was designed to meet National Map Accuracy Standards and was compiled to meet RMSE 2.50 feet in X
2.50 feet in Y
0.33 feet in Z

AGUA FRIA RIVER STUDY AERIAL MAPPING PROJECT

Floodplain Study
FCD 95-25

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Lid 14

(201)

COUNTRY	TYPE OF MARK	STATION	
USA	ALUM CAP 1/2" RB	AF - 1	H&V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
	AF - 1	AERIAL MAPPING Co, INC,	1221.523
LATITUDE	LONGITUDE	DATUM	DATUM
			MSL 29
(NORTHING)(EASTING) (FT) 968927.05 (M)	(EASTING)(NORTHING) (FT) 582729.60 (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN ° GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMU

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMU

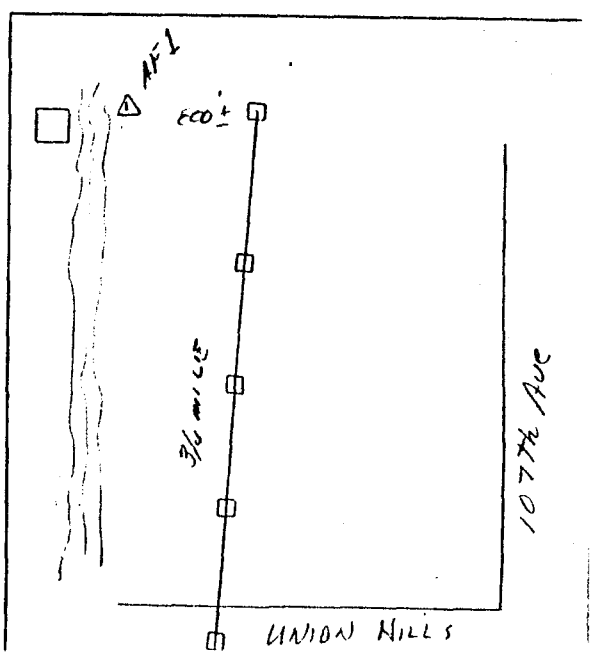
OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near SUN CITY (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the Post Office on Bell Rd & 99th AVE, Go West to 99th AVE, then NORTH 1 MILE to Union Hills, Then west on Union Hills 1.2 MILES to STEEL TWIR Power Line Running NORTH & South.

This station is located at 3/4 MILE NORTH OF Union Hills Dr and 800' west OF Power line (STEEL TWIR TYPE)

This station is a ALUM CAP ON 1/2" Re BAR



(202)

COUNTRY	TYPE OF MARK	STATION	
USA	Alum Cap on 1/2" Rebar	AF-2	H&V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
	AF-2	Aerial Mapping Co Inc.	1448.073
LATITUDE	LONGITUDE	DATUM	DATUM
			NSL 29
(NORTHING)(EASTING) (FT) 993 156.10 (M)	(EASTING)(NORTHING) (FT) 589 887.71 (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

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	° ' "	° ' "		

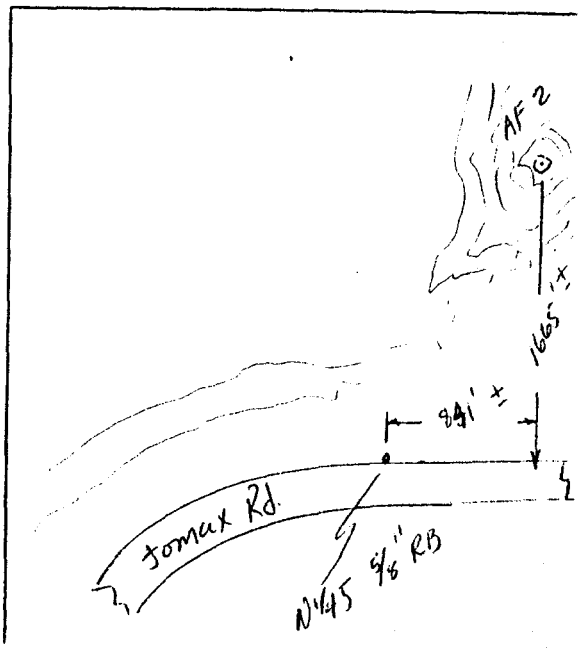
This station is located near Sun City (city) . Maricopa (county) . Arizona (state)

To reach this station from the Post office in Sun City at 99th Ave & Bell Rd, go North 6 miles to Jomax Rd, Then west 1 1/2 miles to North 1/4 of Sec 5 T4N R1E

This station is located at 841'± East and 1665'± North of N 1/4 Sec 5 T4N R1E which is on Hill East side of Agua Fria River North side of Jomax Rd.

This station is a

Alum Cap on 1/2" Rebar



1 of 1

(203)

COUNTRY	TYPE OF MARK	STATION	
USA	Alum Cap 1/2" Re Bar	AF-3	V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
	AF-3	AERIAL MAPPING Co INC.	1270.371
LATITUDE	LONGITUDE	DATUM	DATUM
			MSL 29
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
994132.96	587214.99		
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

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	° ' "	° ' "		

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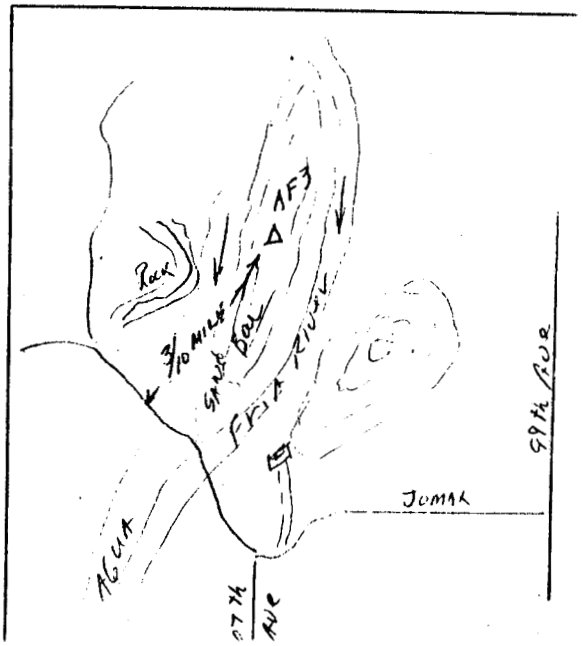
To reach this station from the Sun City Post Office at 99th Ave & Bell Rd go North 6 miles on 99th Ave to Jomax Rd, then West on Jomax 1 1/2 miles ± to west side of Agua Fria, Still in River bed.

This station is located at
aprox 1500 North of Jomax Rd, 500 East of Rock outcrop west bank of River on sand Bar Aprox 60' south west of Juniper tree 10' high.

This station is a

Alum Cap & 1/2" Rebar



(204)

COUNTRY	TYPE OF MARK	STATION	
USA	Alum Cap 1/2" Rebar	AF-4	V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
	AF-4	AERIAL MAPPING CO, INC	1337.999
LATITUDE	LONGITUDE	DATUM	DATUM
995112.4018	583829.3152		MSL 29
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

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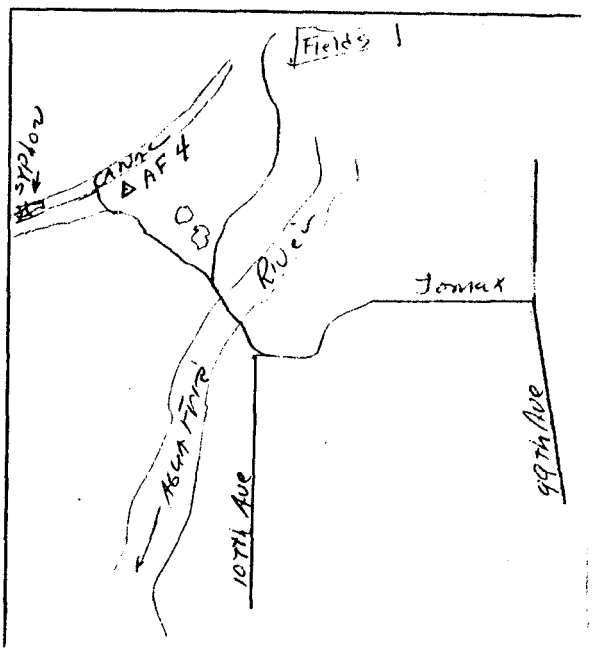
	° ' "	° ' "		

This station is located near Sun City (city) . Maricopa (county) . Arizona (state)

To reach this station from the Sun City Post Office at 99th Ave & Bell Road go North on 99th Ave 6 miles to Jomax Rd, Then west 1 1/2 miles.

This station is located at aprox 100' South of Beardsley Canal, East side of dirt road to Edge of Canal

This station is a Alum Cap & 1/2" Rebar



(205)

COUNTRY	TYPE OF MARK	STATION	
USA	Alum Cap 1/2" RB.	AF-5	V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
	AF-5	AERIAL MAPPING CO. INC.	1257.152
LATITUDE	LONGITUDE	DATUM	DATUM
			NGSL 29
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

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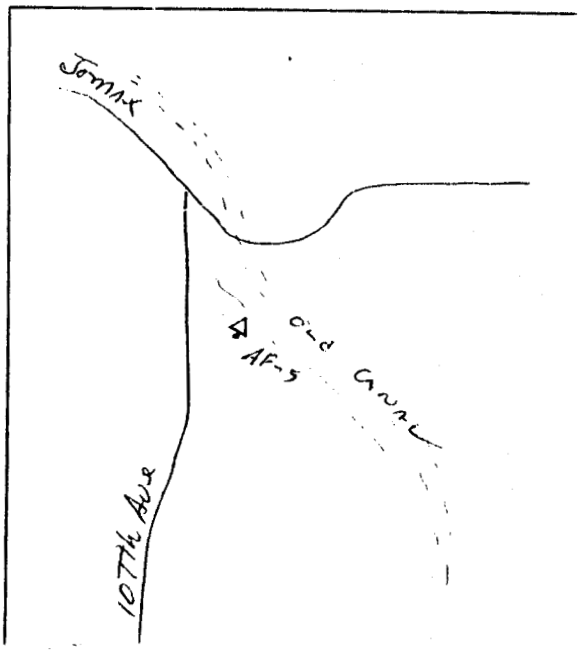
	° ' "	° ' "		

This station is located near Sun City (city) . Maricopa (county) . Arizona (state)

To reach this station from the Post office at 99th Ave & Bell Road go North on 99th Ave 6 miles to Jomax Rd, Then West 1½ miles to 107th Ave

This station is located at 500'± SEAST OF INTERSECTION ON Jomax & 107th Ave S-West OF OLD CANAL BY WELL FOUNDATION

This station is a 1/2" RB WITH Alum Cap.



(206)

COUNTRY	TYPE OF MARK	STATION	
USA	½"RB Alum Cap	AF-6	V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
	AF-6	Aerial Mapping Co Inc	1291.860
LATITUDE	LONGITUDE	DATUM	DATUM
			NGSL 29
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

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	° ' "	° ' "		

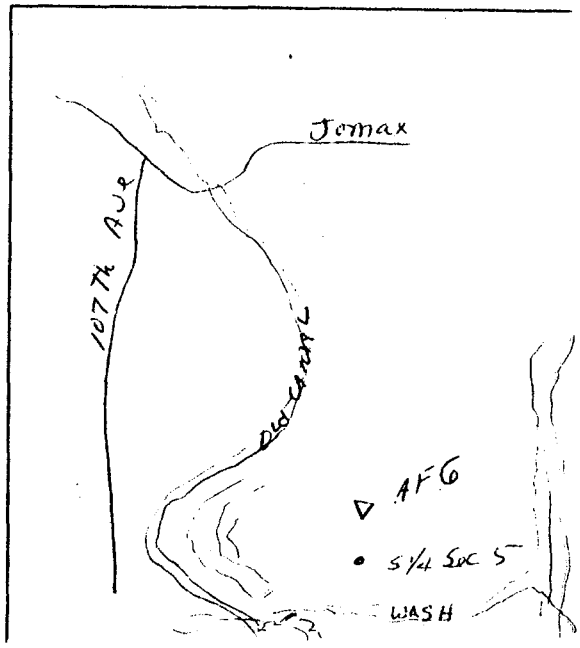
This station is located near Sun City (city) . Maricopa (county) . Arizona (state)

To reach this station from the Post Office at 99th Ave & Bell Road, go North six miles to Jomax Road. then West 1 ¼ mile To 107th Ave Then South one mile.

This station is located at Top of Ledge East of 107th Ave aprox 1000' ± 50' North of South ¼ Cor of Sec 5.

This station is a

½" RB with Alum Cap.



(207)

COUNTRY	TYPE OF MARK	STATION	
USA	1/2" RB Alum Cap	AF-7	V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
	AF-7	AERIAL MAPPING Co INC	1245.359
LATITUDE	LONGITUDE	DATUM	DATUM
			NGSL 29
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
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	° ' "	° ' "		

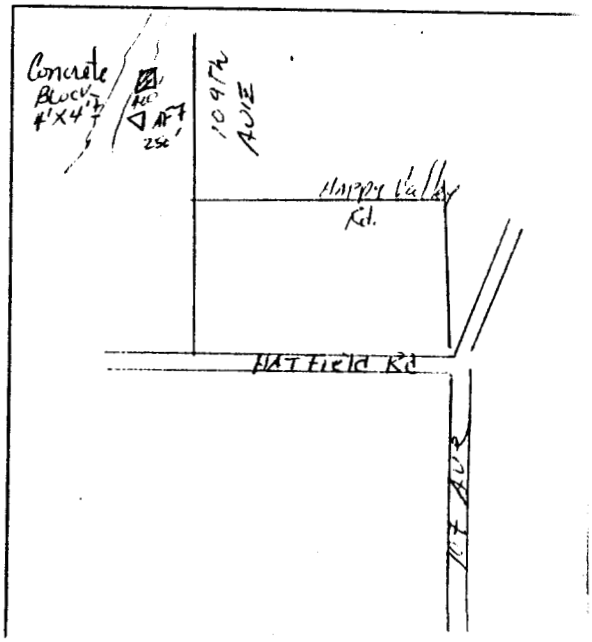
This station is located near Sun City (city) . Maricopa (county) . Arizona (state)

To reach this station from the Post Office at 99th Ave & Bell Road go NORTH 2 miles To Beardsley Rd, then West 1/2 mile To 107th Ave, then North 2 3/4 mile To Hatfield Rd.

This station is located ~~at~~ 1/4 mile West & 1/2 mile North of The INTERSECTION OF 107th Ave & Hatfield Road, 250 west OF 109th Ave.

This station is a

1/2" RB and Alum Cap.



(208)

COUNTRY	TYPE OF MARK	STATION	
	1/2" RB Alum Cap	AF 8	V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
	AF 8	Aerial Mapping Co Inc	1236.182
LATITUDE	LONGITUDE	DATUM	DATUM
			MSL 29
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

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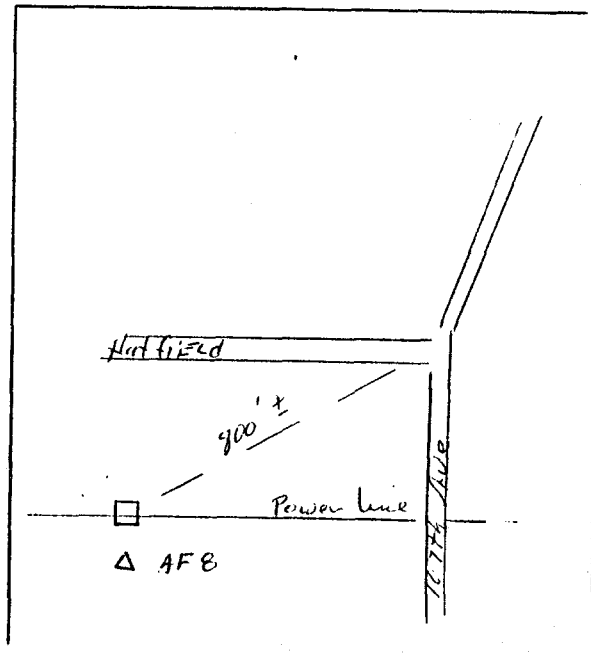
This station is located near Sun City (city) . Maricopa (county) . Arizona (state)

To reach this station from the Post Office at 99th Ave & Bell Road, go North 2 miles to Beardsley Rd, then West 1/2 mile to 107th Ave, Then North 2 3/4 mile to Hatfield Rd

This station is located at a point 900' SW of Hatfield & 107th Ave 50' South of Steel Elect Tower.

This station is a 1/2" RB & Alum Cap.



(209)

COUNTRY	TYPE OF MARK	STATION	
USA	1/2" RB & Alum Cap	AF-9	V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
	AF-9	AERIAL Mapping Co Inc	1232.374
LATITUDE	LONGITUDE	DATUM	DATUM
			MSL 29
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
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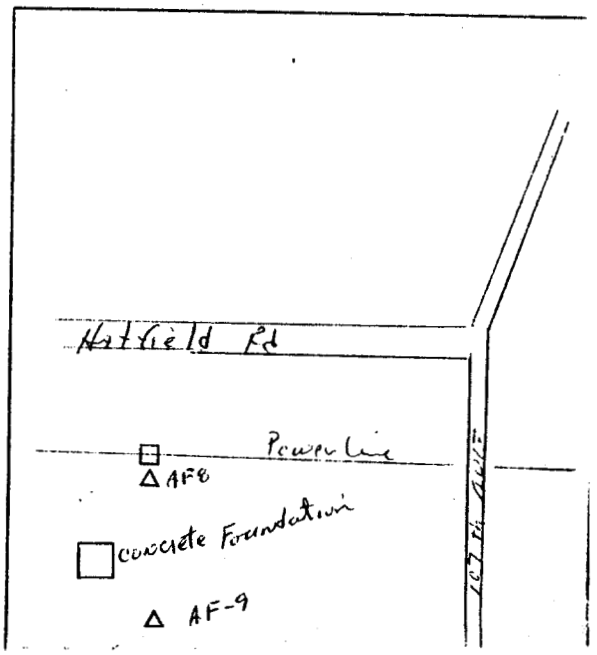
This station is located near Sun City (city) . Maricopa (county) . Arizona (state)

To reach this station from the Post Office at 99th Ave & Bell Rd, go NORTH 2 miles To Beardsley Rd then west 1/2 mile to 107th ave, then NORTH 2 3/4 miles to Hatfield Rd

This station is located at aprox 1500 SW of Hatfield Rd & 107th Ave 40' North of 4 STRAND Barbed wire fence

This station is a 1/2" RB & Alum Cap.



(210)

COUNTRY	TYPE OF MARK	STATION	
USA	1/2" RB Alum Cap	AF 10	V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
	AF 10	AERIAL Mapping Co Inc	1259.612
LATITUDE	LONGITUDE	DATUM	DATUM
			MSL 29
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
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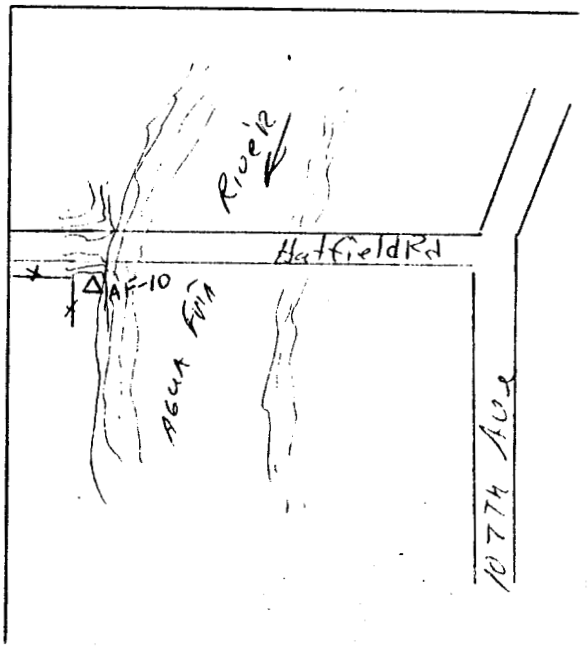
This station is located near Sun City (city) . Maricopa (county) . ARIZONA (state)

To reach this station from the Post office of 99th Ave & Bell Rd go North 2 miles To Roundsley Rd Then West 1/2 mile To 107th Ave North 2 3/4 mile To Hatfield Rd.

This station is located at a point 4500'± West of 107th Ave on Hatfield Rd on West Bank of Agua Fria River 100' South of ℄ Hatfield road, East of Fence Approx 40'.

This station is a 1/2" RB & Alum Cap.



(211)

COUNTRY	TYPE OF MARK	STATION	
USA	1/2" RB & Alum Cap	AF 11	H&V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
			1252.795
LATITUDE	LONGITUDE	DATUM	DATUM
			MSL 29
(NORTHING)(EASTING) (FT) 981 370.84 (M)	(EASTING)(NORTHING) (FT) 579 635.05 (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

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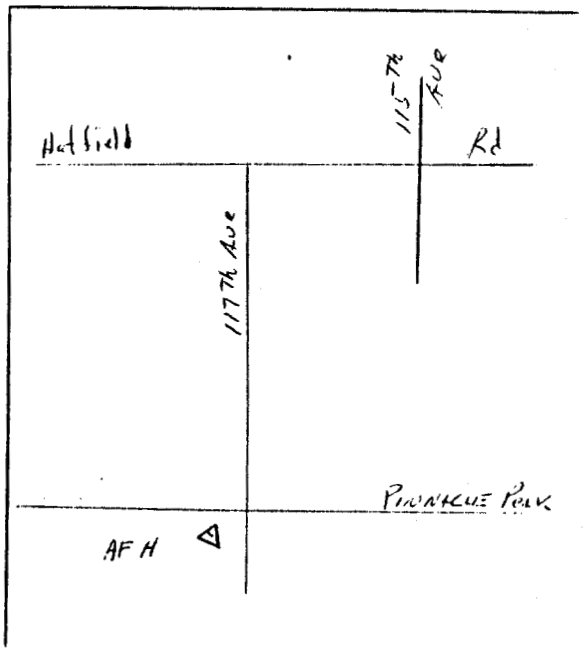
	° ' "	° ' "		

This station is located near SUNCITY (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the Post Office at 99th Ave & Bell Rd go North 2 miles, Then west 1/2 mile to 107th Ave, then North 2 3/4 mile to Hat field Road, Then West one mile to 115th Ave, then South one mile

This station is located at 1/4 mile west on South side of Track Rd 50'

This station is a 1/2" RB and Alum Cap.



(212)

COUNTRY	TYPE OF MARK	STATION	
USA	1/2" RB Alum Cap	AF 12	V
LOCALITY	**STAMPING ON MARK**	**AGENCY (CAST IN MARK)**	**ELEVATION**
	AF 12	Aerial Mapping Co Inc	1225.728
LATITUDE	**LONGITUDE**	**DATUM**	**DATUM**
			NGSL 29
(NORTHING)(EASTING) (FT) (M)	**(EASTING)(NORTHING)** (FT) (M)	**GRID AND ZONE**	**ESTABLISHED BY (AGENCY)**
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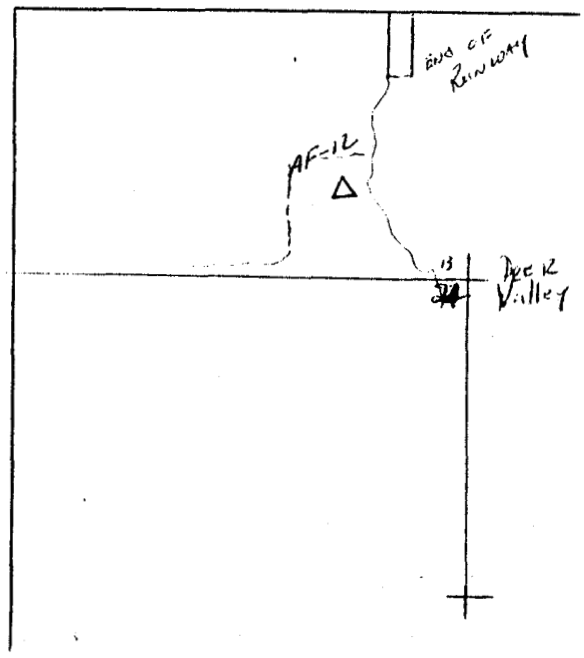
This station is located near SUN CITY (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the Post Office at 99th Ave & Bell Road go North 2 1/2 miles to Rose Garden Lane Then West 1 1/2 miles to 115th Ave, Then North 3/4 mile.

This station is located at 50' West of 115th Ave and 1/4 mile North of Deer Valley Rd in Raw desert.

This station is a 1/2" RB and Alum Cap.



(213)

COUNTRY	TYPE OF MARK	STATION	
USA	1/2" RB Alum Cap	AF 13	H & V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
	AF 13	AERIAL MAPPING CO INC.	1221.921
LATITUDE	LONGITUDE	DATUM	DATUM
			MSL 29
(NORTHING)(EASTING) (FT) 981069.51 (M)	(EASTING)(NORTHING) (FT) 582846.28 (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUT

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUT

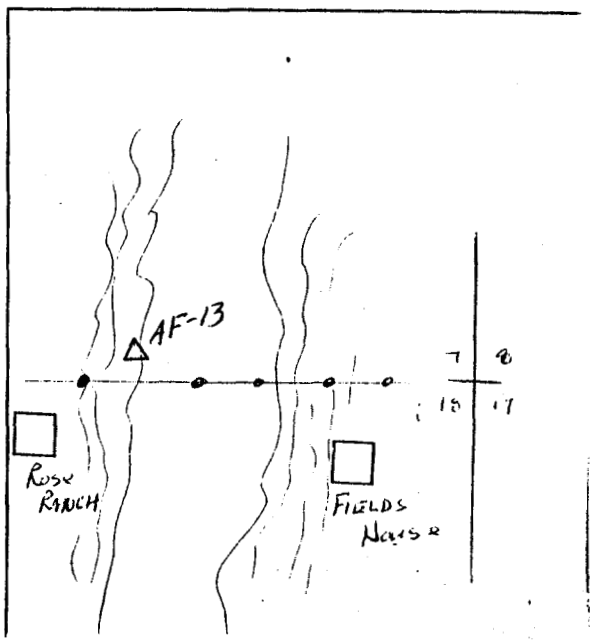
OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near SUN CITY (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the Post Office at 99th Ave & Bell Rd go North 2 miles to Beardsley Rd then west 1/2 mile To 107th Ave Then North 2 miles To Pinnacle Pk Rd.

This station is located at 1/4 3/4 mile West of 107th Ave 60' North of wooden Pole Power Line in the bottom of the Agua Fria River

This station is a 1/2" RB & Alum Cap.



(214)

COUNTRY	TYPE OF MARK	STATION	
	1/2" RB & Alum Cap	AF 14	V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
	AF 14	Aerial Mapping Co Inc	1209.706
LATITUDE	LONGITUDE	DATUM	DATUM
			NGS 29
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMU

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMU

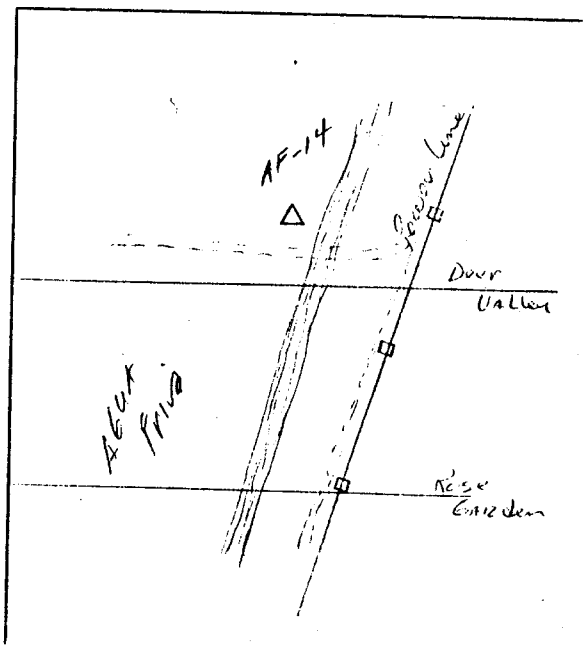
OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near Sun City (city) . Maricopa (county) . Arizona (state)

To reach this station from the Post Office at 99th Ave & Bell Rd go North 2 miles to Bonnsley Rd, Then West 1/2 West to 107th Ave, Then North 1/2 mile to Rose Garden, Then West 1/2 mile to Power Line Xing Road Then North along Power line 3/10 mile to old Road down to River

This station is located at in the bottom of Agua Fria River 500 west of Bank 300 North of old Road Xing River.

This station is a 1/2" Re Bar



(215)

COUNTRY USA	TYPE OF MARK 1/2" RB Alum Cap	STATION AF 15	V
LOCALITY	STAMPING ON MARK AF15	AGENCY (CAST IN MARK) Aerial Mapping Co Inc.	ELEVATION 1232.787
LATITUDE	LONGITUDE	DATUM	DATUM MSL 29
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMU

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMU

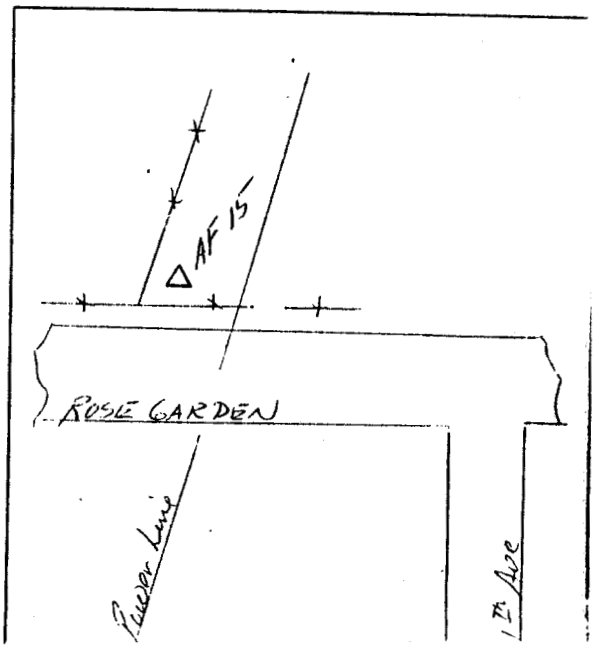
OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near Sun City (city) . Maricopa (county) . Arizona (state)

To reach this station from the Post Office at 99th Ave & Bell Road go North 2 1/2 mile to Rose Garden Ln then west one 1/4 mile

This station is located at Approx 400' west of 111th Ave North of R/W Fence 50' West of Power Line 100±

This station is a 1/2" Re Bar & Alum Cap.



(216)

COUNTRY	TYPE OF MARK	STATION	
USA	1/2" Re Bar - Alum Cap	AF16	V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION (FT) (M) 1201,976
LATITUDE	LONGITUDE	DATUM	DATUM MSL 29
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUTH

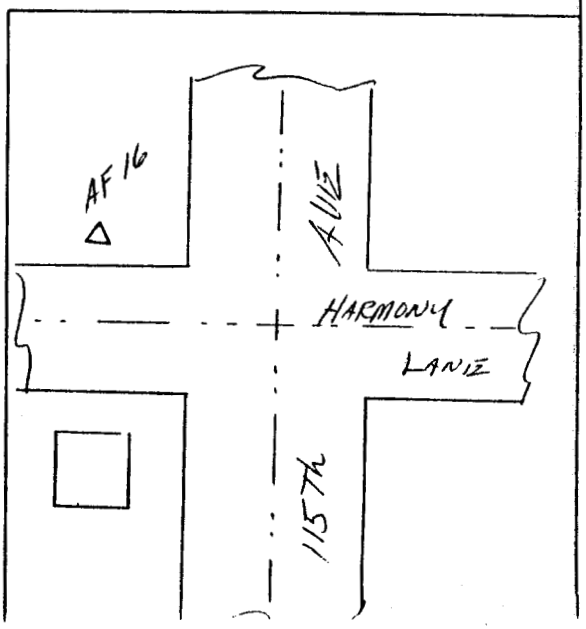
OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near Sun City (city) . Maricopa (county) . Arizona (state)

To reach this station from the Post Office at 99th Ave & Bell Rd go North 2 1/2 miles to Rose Garden Ln Then West 1 1/2 miles To 115th Ave Then North 1/16 mile To Harmony Ln.

This station is located at 100'± West of 115th Ave & 50' North of Harmony Ln.

This station is a 1/2" RB & Alum Cap.



(217)

COUNTRY	TYPE OF MARK	STATION	
	1/2" RB & Alum Cap	AF 17	
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
	AF 17	Aerial Mapping Co Inc	1264.842
LATITUDE	LONGITUDE	DATUM	DATUM
			MSL 29
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMU

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMU

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near Sun City (city) . Maricopa (county) . Arizona (state)

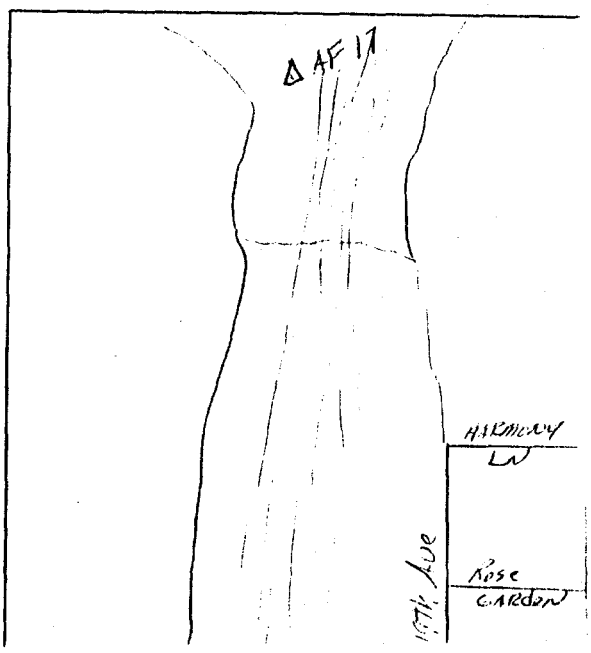
To reach this station from the Post Office at 99th Ave & Bell Road go North 2 1/2 miles to Rose Garden lane, then West to 119th Ave, then North 1/2 mile to Track up and of the River, on top go North 500'.

This station is located at

On West Bank of Agua Fria River 1/4 mile SSW of N1/4 COR of Sec 24

This station is a

1/2" Re Bar & Alum Cap.



(219)

COUNTRY	TYPE OF MARK	STATION	
USA	1/2" RB & Alum Cap	AF-19	Y
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
	AF 19	Aerial Mapping Co Inc	1212.317
LATITUDE	LONGITUDE	DATUM	DATUM
			NGSC 29
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMU

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMU

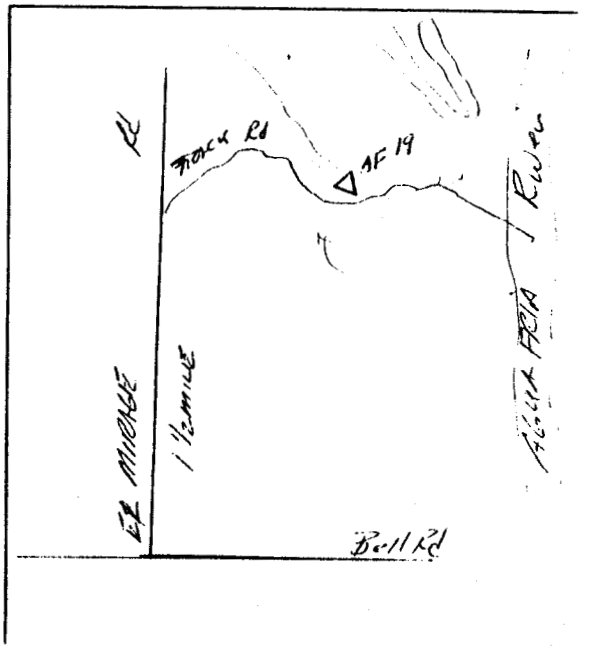
OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near Sun City (city) . Maricopa (county) . Arizona (state)

To reach this station from the Post Office at 99th Ave & Bell Rd go West 3 miles to El Mirage Rd, Then North 1 1/2 miles

This station is located at Pt East of El Mirage Road Aprox 800' on Finger Leading To River.

This station is a 1/2" RB & Alum Cap.



(220)

COUNTRY	TYPE OF MARK	STATION	
USA	1/2" RB & Alum Cap	AF 20	V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
	AF 20	Aerial Mapping Co Inc	1197.682
LATITUDE	LONGITUDE	DATUM	DATUM
			NGS 29
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUT

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUT

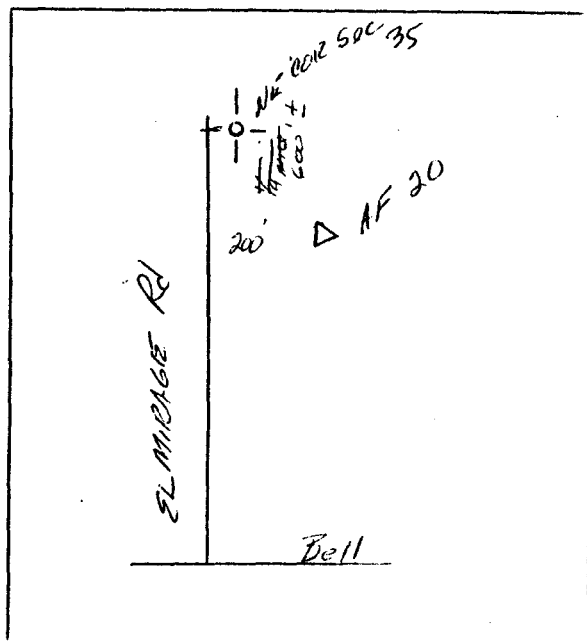
OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near SUN CITY (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the Post Office at 99th Ave & Bell Road go west 3 miles to El Mirage Road, then north 3/4 mile.

This station is located at 200' EAST OF EL MIRAGE Road

This station is a 1/2" RB & Alum Cap.



(221)

COUNTRY	TYPE OF MARK	STATION	
	1/2" RB Alum CAP	AF 21	H&V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
	AF 21	AERIAL MAPPING CO INC	1172.344
LATITUDE	LONGITUDE	DATUM	DATUM
			NSL 29
(NORTHING)(EASTING) (FT) 960302.9248 (M)	(EASTING)(NORTHING) (FT) 576811.4347 (M)	GRID AND ZONE AZ C	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMU

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMU

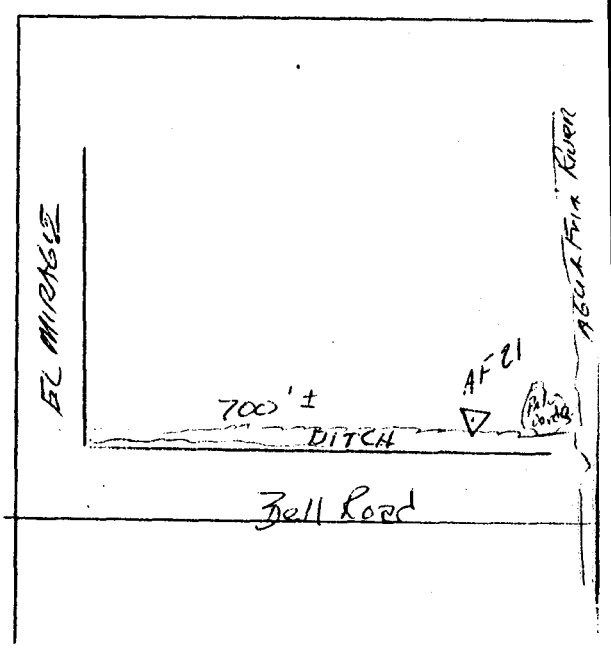
OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near Sun City (city) . Maricopa (county) . Arizona (state)

To reach this station from the Post Office at 99th Ave & Bell Rd go west 3 miles to El Mirage Rd.

This station is located at 100 north of Bell Rd 700± east of El Mirage Rd north of Flood Control ditch

This station is a 1/2" RB & Alum Cap.



(222)

COUNTRY	TYPE OF MARK	STATION	
	BRASS CAP	AF22	H & V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION (F
	NONE	MCHD	1180.776 (
LATITUDE	LONGITUDE	DATUM	DATUM
(NORTHING)(~~EASTING~~) (FT) 961109.88 (M)	(EASTING)(~~NORTHING~~) (FT) 574988.40 (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMU

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMU

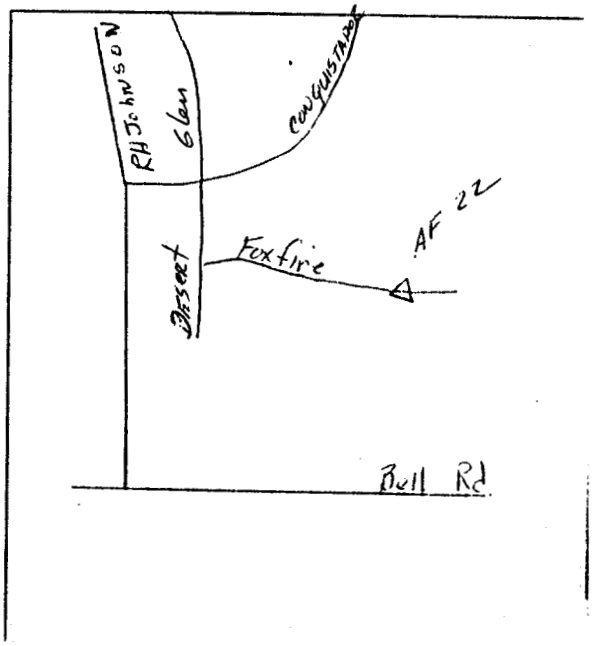
OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near Sun City (city) . Maricopa (county) . Arizona (state)

To reach this station from the Post Office at 99th Ave & Sun City go west 3½ miles to RH Johnson Blvd then North ¼ mile to Conquistador to the Right, one Block To Desert Glen, then south to Fox fire, Then left aprox 600' To PC of Curve

This station is located at the P.C of curve on Fox fire.

This station is a BRASS CAP



(223)

COUNTRY	TYPE OF MARK	STATION	
	P.K.	AF 23	H & Y
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
	None	None	1163.118
LATITUDE	LONGITUDE	DATUM	DATUM
			MSL 29
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
960 140.09	579 705.90		
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMU

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMU

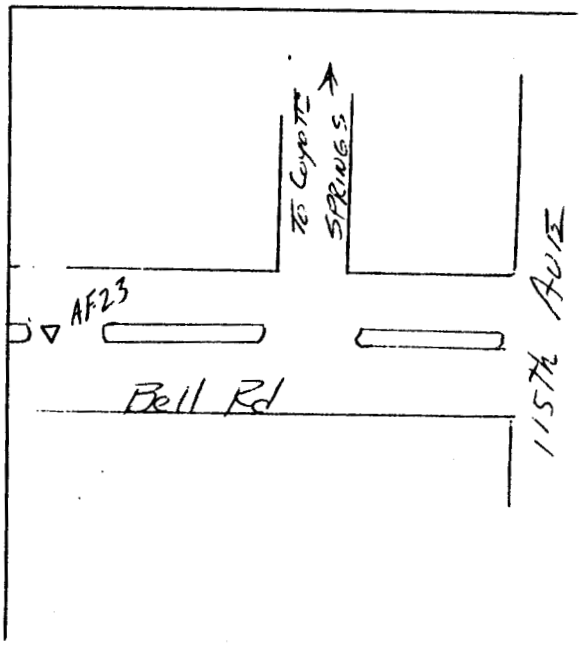
OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near Sun City (city) . Maricopa (county) . Arizona (state)

To reach this station from the Post Office at 99th Ave & Ball Road go west 2 miles to 115 th Ave.

This station is located at The ball NOSE OF Med CURB 1/4 mile west of 115th AVE, JUST WEST OF ST intersection Entrance To Coyote Spring Subdivision

This station is a PK NAIL



(224)

COUNTRY	TYPE OF MARK	STATION	
	1/2" RB	AF 24	
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
	None	None	1164.898
LATITUDE	LONGITUDE	DATUM	DATUM
			MSL 29
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIM

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIM

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

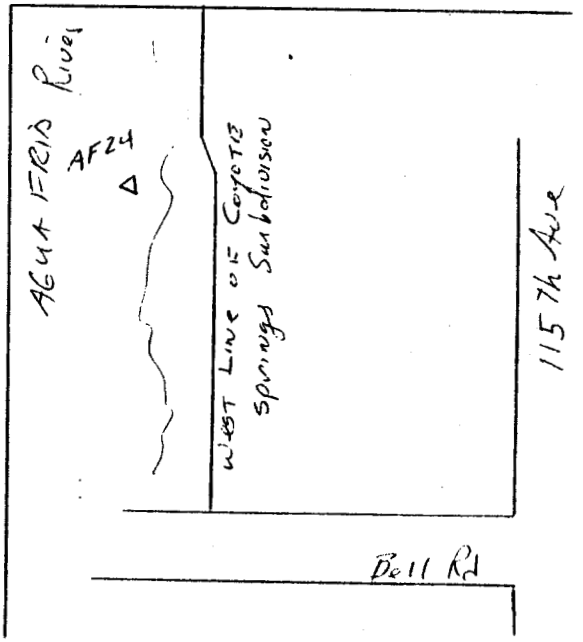
This station is located near Sun City (city) . Maricopa (county) . Arizona (state)

To reach this station from the Post Office at 99th Ave & Bell Rd go west ~~[illegible]~~ two miles to 115th Ave

This station is located at 2000' North and 200' West of West Line of Coyotie Springs Subdivision.

This station is a

1/2" Re bar in river bed. Probably not Recoverable



(225)

COUNTRY	TYPE OF MARK	STATION	
	PK & TIN	AF 25	V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
	NONE	NONE	1176.448
LATITUDE	LONGITUDE	DATUM	DATUM
			MSL 29
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMU

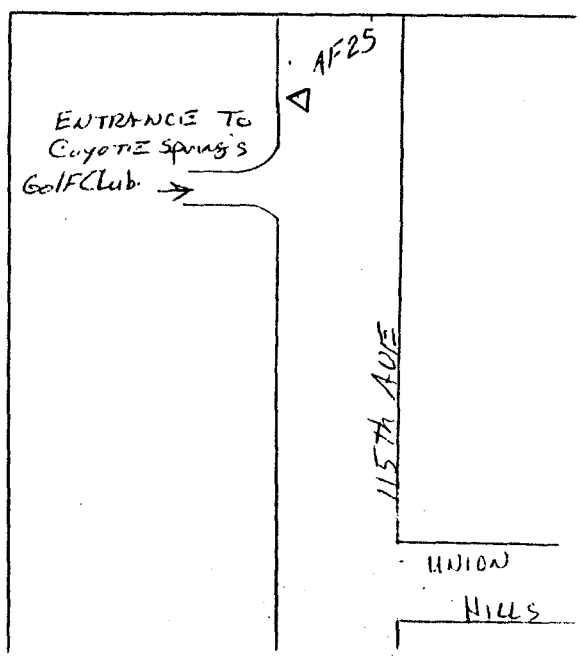
TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMU

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near SUN CITY (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the Post Office at 99th ave & Bell Rd go West on Bell 2 miles to 115th ave Then North 1 mile to Union Hills

This station is located at a point S'EAST OF The West Curb of 115 AVE 600± North of Union Hills Dr.



This station is a

PK & TIN

(226)

COUNTRY	TYPE OF MARK	STATION	
	1/2" Re Bar Alum Cap	AF 26	V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
	AF26	AERIAL Mapping Co Inc	1170.483
LATITUDE	LONGITUDE	DATUM	DATUM
			MSL 29
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMU

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMU

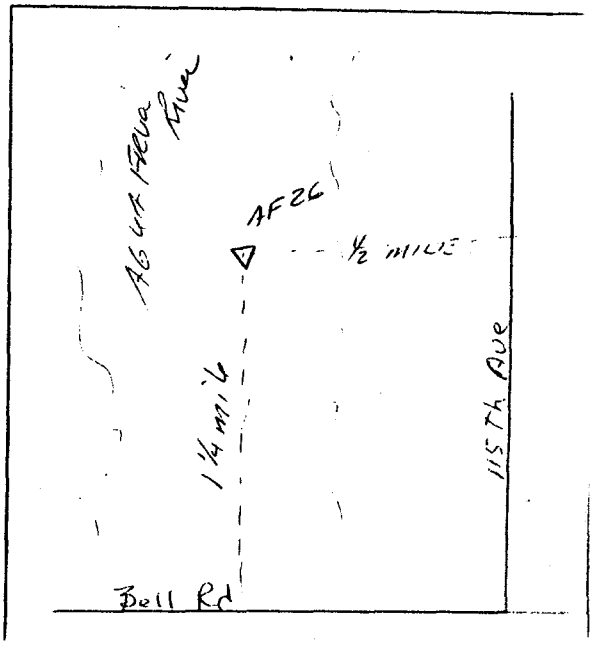
OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near Sun City (city) . Maricopa (county) . Arizona (state)

To reach this station from the Post Office at 99 th Ave & Bell Rd go West 2 1/4 Miles.

This station is located at 1 1/4 MILE North OF Bell Road in the Middle OF the Agua Fria River on a Sand bar 1/2 mile WEST OF 115th Ave

This station is a 1/2" Re Bar & Alum Cap. un Recoverable



(227)

COUNTRY	TYPE OF MARK	STATION	
	1/2" RB Alum Cap	AF 27	H&V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION (F
	AF 27	AERIAL Mapping Co INC.	1176.560 (M
LATITUDE	LONGITUDE	DATUM	DATUM
			MSL 29
(NORTHING)(EASTING) (FT) 969 578.83 (M)	(EASTING)(NORTHING) (FT) 579 495.37 (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUTH

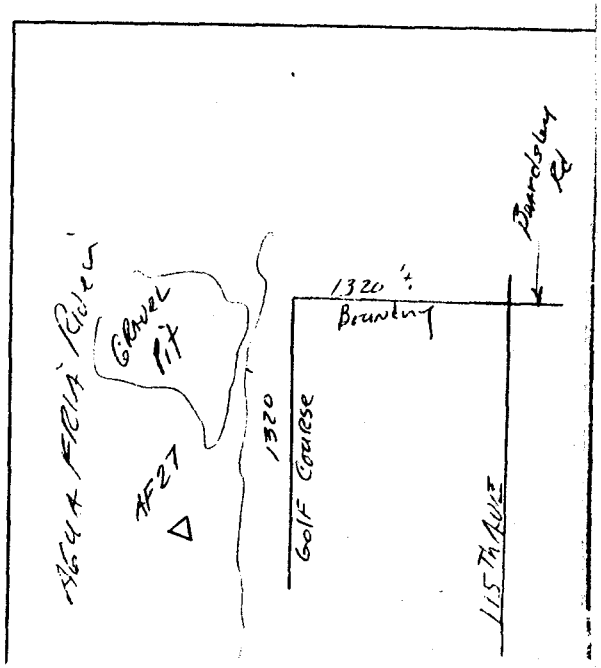
OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near Sun City (city) . Maricopa (county) . Arizona (state)

To reach this station from the Post Office at Sun City 99th Ave & Bell Rd go North To Beardsley Rd (2 mi.) Then west one and one half Miles To 115th Ave.

This station is located at a Pt 1/4 mile West and 1/4 South, Then 400' west of 115th Ave & Beardsley

This station is a 1/2" Rb & Alum Cap.



(228)

COUNTRY	TYPE OF MARK	STATION	
USA	1/2" RB & ALUM CAP	AF 28	H&V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
	AF-28	AERIAL Mapping Co Inc	1153.907
LATITUDE	LONGITUDE	DATUM	DATUM
			MSL 29
(NORTHING)(EASTING) (FT) 957253.789 (M)	(EASTING)(NORTHING) (FT) 577632.2036 (M)	GRID AND ZONE AZ C	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUT

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUT

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near SUN CITY (city) . MARICOPA (county) . ARIZONA (state)

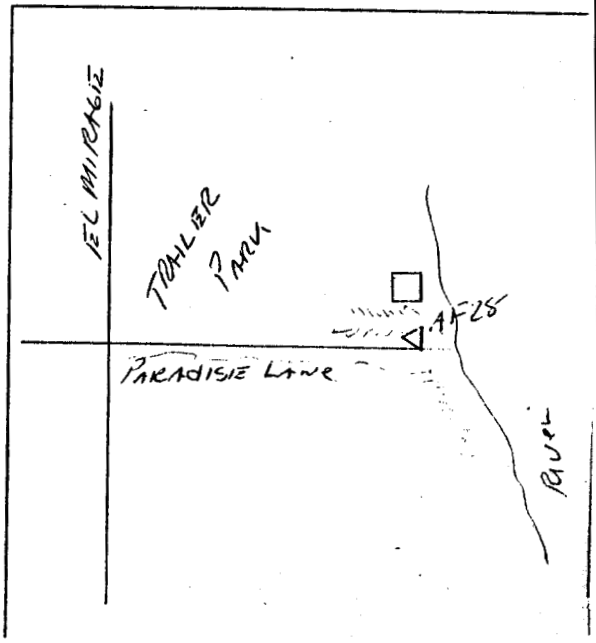
To reach this station from the Post Office at 99th Ave & Bell Rd go West 3 miles to EL MIRAGE Rd, then South 1/2 mile, then East 1/2 mile to West BANK of AGUA FRIA River

This station is located at

150' West of BANK of AGUA FRIA River 70' East of BIRM FOR EVAPORATION Pond.

This station is a

1/2" RB & Alum Cap.



(237)

COUNTRY	TYPE OF MARK	STATION	
	PK & TIN	AF 37	H & Y
LOCALITY	**STAMPING ON MARK**	**AGENCY (CAST IN MARK)**	**ELEVATION** (FT) (M)
	NONE	NONE	1113.429
LATITUDE	**LONGITUDE**	**DATUM**	**DATUM**
(NORTHING)(EASTING) (FT) (M)	**(EASTING)(NORTHING)** (FT) (M)	**GRID AND ZONE**	**ESTABLISHED BY (AGENCY)**
933 518.25	584 357.87		UNKNOWN
(NORTHING)(EASTING) (FT) (M)	**(EASTING)(NORTHING)** (FT) (M)	**GRID AND ZONE**	**ESTABLISHED BY (AGENCY)**

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near Young Town (city). Maricopa (county). Arizona (state)

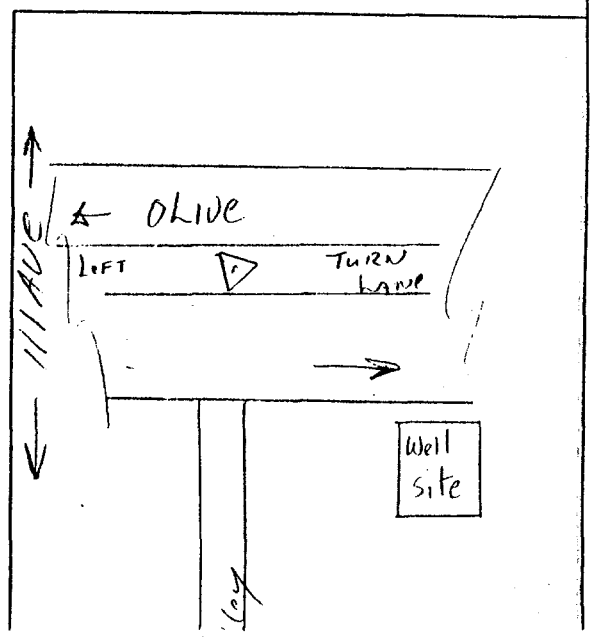
To reach this station from the

INTERSECTION ON 111TH AVE & OLIVE GO EAST 660 ±

This station is located at APROX ℄ OF OLIVE 2' EAST OF POWER LINE LEAD TO SOUTH, ON APROX EAST R/W OF ALLEY to south

This station is a

P.K IN TIN



(243)

COUNTRY	TYPE OF MARK	STATION	
	1/2" REBAR	AF 43 V	
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION (FT) 1053.577 (M)
LATITUDE	LONGITUDE	DATUM	DATUM
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

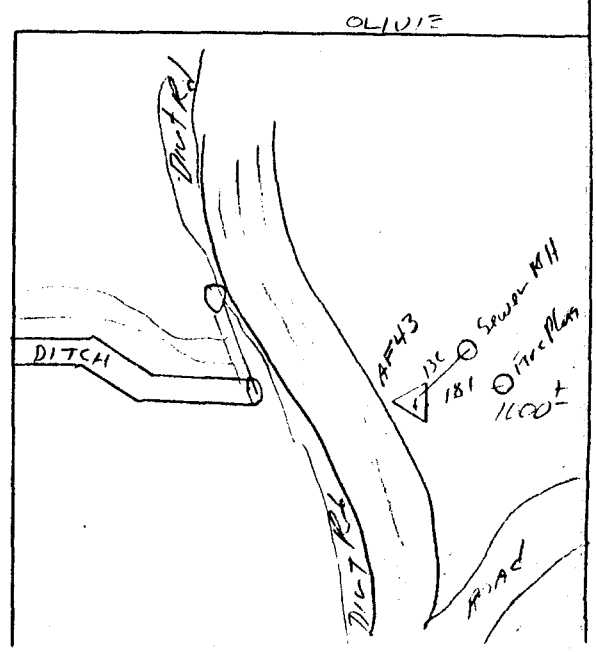
TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near PEORIA (city), MARICOPA (county), ARIZONA (state)

To reach this station from the

This station is located at



This station is a

1/2" RB

(244)

COUNTRY	TYPE OF MARK	STATION	
USA	½" RB ALUM CAP	AF 44	H & V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION (FT) (M)
	AF 44	AERIAL MAPPING CO	1042.55
LATITUDE	LONGITUDE	DATUM	DATUM
X	X		
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
917590.80	582771.74		
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUTH

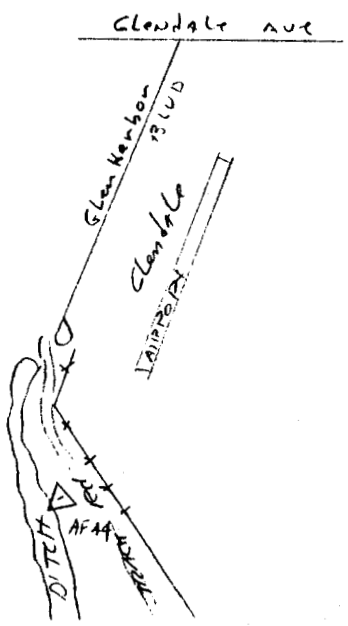
OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near VILLA DE PAZ (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the INTERSECTION OF GLENDALE AVE AND GLEN HARBOR BLVD GO SOUTH ALONG WEST SIDE OF GLENDALE AIRPORT to END OF ROAD

This station is located at ON WEST SIDE OF BIRM FOR FENCE AROUND AIRPORT

This station is a ½" RB & ALUM CAP.



(246)

COUNTRY	TYPE OF MARK	STATION	
USA	COTTON PICKER SPINDLE	AF 46	H&V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION (F (
			1033.413
LATITUDE	LONGITUDE	DATUM	DATUM
X	X		
(NORTHING)(EASTING) (FT)	(EASTING)(NORTHING) (FT)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
912 571.53 (M)	584 902.93 (M)		
(NORTHING)(EASTING) (FT)	(EASTING)(NORTHING) (FT)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(M)	(M)		

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMU

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMU

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near LITCHFIELD PARK (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the

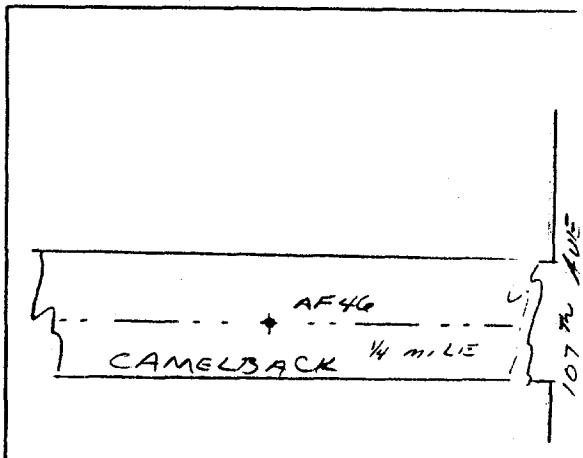
1300' +/- W. OF INTERSECTION OF 107th & CAMELBACK

This station is located at

℄ CAMELBACK APROX 109th AVE

This station is a

COTTON PICKER SPINDLE



(247)

COUNTRY	TYPE OF MARK	STATION	
USA	Cotton Picker Spindle	AF 47	H & V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION (FT)
	None	None	1019.182 (M)
LATITUDE	LONGITUDE	DATUM	DATUM
(NORTHING)(EASTING) (FT)	(EASTING)(NORTHING) (FT)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
907287.96 (M)	584806.19 (M)		
(NORTHING)(EASTING) (FT)	(EASTING)(NORTHING) (FT)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(M)	(M)		

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUTH

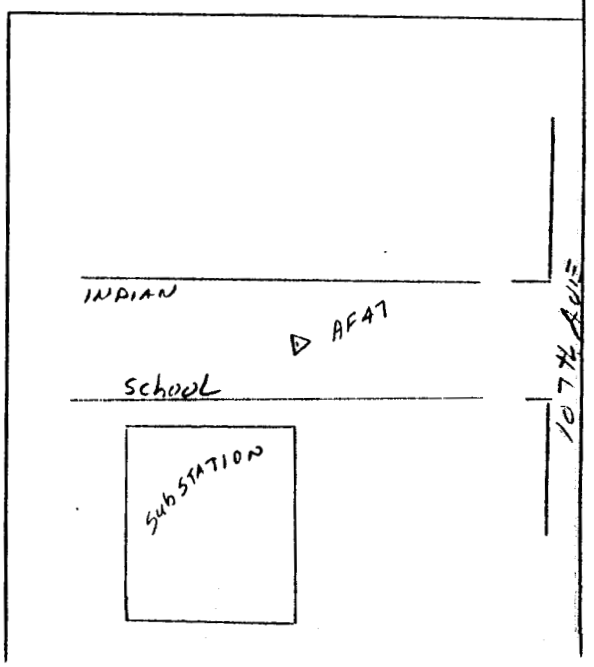
OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near Villa De Paz (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the INTERSECTION OF 107th AVE AND INDIAN SCHOOL Rd GO West 0.25 MILE

This station is located at E INDIAN School Rd IN LINE TO THE South WITH East WALL OF SALT RIVER PROJECT SUB STATION

This station is a Cotton Picker Spindle



(293)

COUNTRY	TYPE OF MARK	STATION	
USA	PUNCH HOLE IN STEEL	AF 93	TRAV PT
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION (FT)
	NONE	NONE	NONE (M)
LATITUDE	LONGITUDE	DATUM	DATUM
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
912464.94	581878.05		AHCI
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near Villa De Paz (city) . MARICOPA (county) . ARIZONA (state)

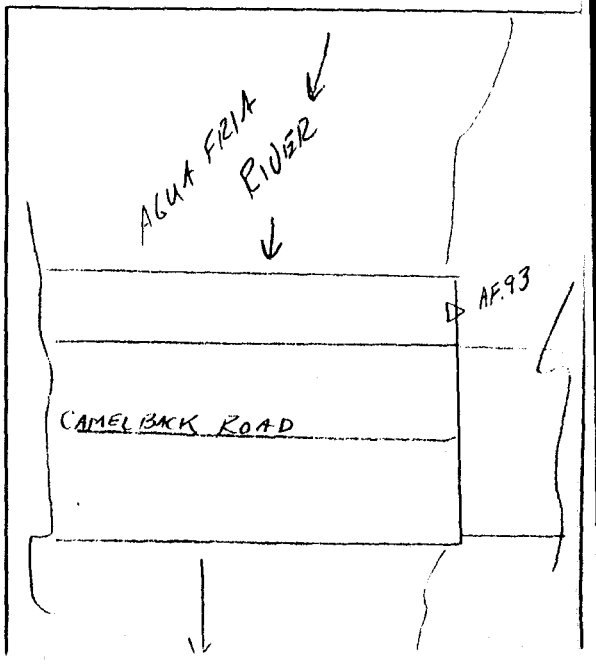
To reach this station from the INTERSECTION OF 107Th AVE & Camelback Go West on CAMELBACK Rd To Bridge over AGUA FRIA RIVER.

This station is located at

EAST END OF WALKWAY NORTH SIDE OF BRIDGE OVER AGUA FRIA RIVER ON CAMELBACK ROAD

This station is a

PUNCH HOLE ON STEEL ANGLE IRON



(544)

COUNTRY U.S.A.	TYPE OF MARK PK & TIN	STATION 544-83 Y	
LOCALITY	STAMPING ON MARK NONE	AGENCY (CAST IN MARK) NONE	ELEVATION 1263.889 (FT) (M)
LATITUDE	LONGITUDE	DATUM	DATUM
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY) AHCI
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near SUN CITY (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the

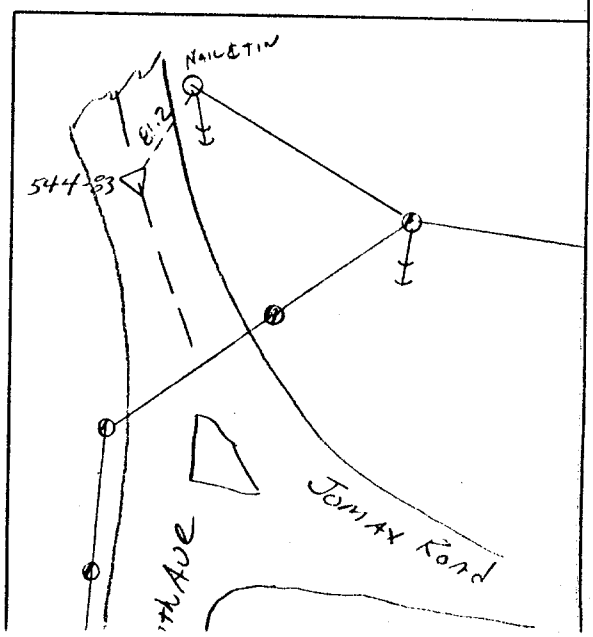
INTERSECTION OF 107th AVE and JOMAX go NW APROX 200'

This station is located at

IN THE CENTER OF BLACK TOP Road

This station is a

P.K & TIN.



GPS

COUNTRY	TYPE OF MARK	STATION	
USA.	STONE	BM J5 NE SEC 18 T4N R1E. (7022)	
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
	NONE	NONE	1257.362
LATITUDE	LONGITUDE	DATUM	DATUM
		NAD 83 (92)	NAVD '29
NORTHING)(EASTING) (FT)	(EASTING)(NORTHING) (FT)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
981103.114 (M)	586544.698 (M)		
NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIM

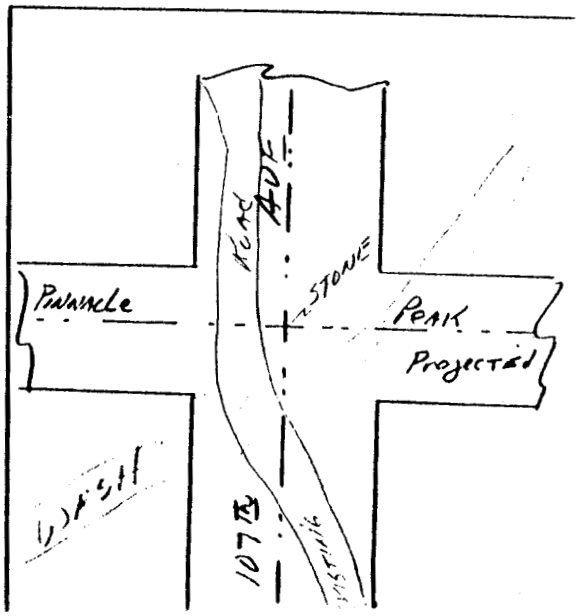
TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIM

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near SUN CITY (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the INTERSECTION OF Deer Valley Road and 107th Ave go North 1 MILE, STA on the Right.

This station is located at Projected Pinnacle Peak Road & 107th Ave



This station is a

J5 Highest point on 4" x 8" x 7" stone in a ring of stone. 26' east of centerline of unpaved 107th Avenue, 31' south of utility pole line to west. 1257.362

GPS
C702

COUNTRY	TYPE OF MARK	STATION	
USA	BRASS CAP	NE COR OF SEC 2 T3N R1W	H & V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION 1176.194
LATITUDE	LONGITUDE	DATUM	DATUM
NORTHING)(EASTING) (FT) 960152.94 (M)	(EASTING)(NORTHING) (FT) 575785.22 (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIM

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIM

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

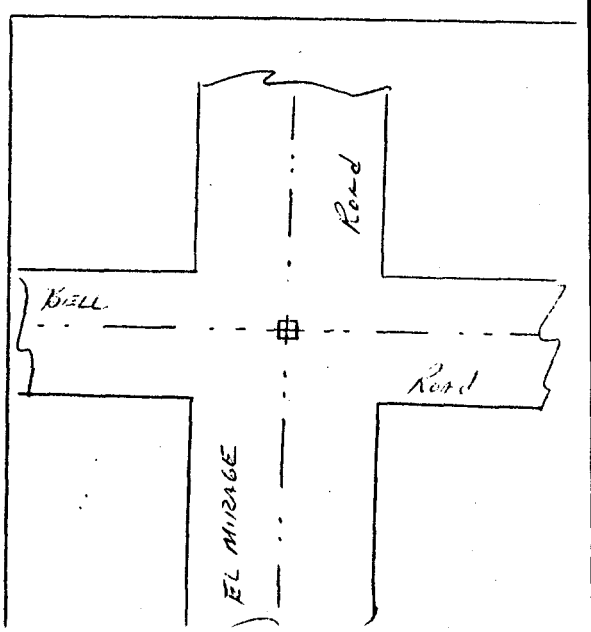
This station is located near SUN CITY (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the Post Office in Sun City at 99th Ave & Bell Rd, Go West 3 miles To El Mirage Rd (123rd Ave)

This station is located at THE INTERSECTION OF Bell Rd & EL MIRAGE Rd (123rd Ave)

This station is a Brass Cap in Hand Hole

GPS Pt



GPS
(7033)

COUNTRY	TYPE OF MARK	STATION	
USA	BRASS CAP	NE COR SEC 23 T3N R1W	H & V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION 1117.410
LATITUDE	LONGITUDE	DATUM	DATUM
NORTHING)(EASTING) (FT) 944057.33 (M)	(EASTING)(NORTHING) (FT) 575768.70 (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIM

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIM

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

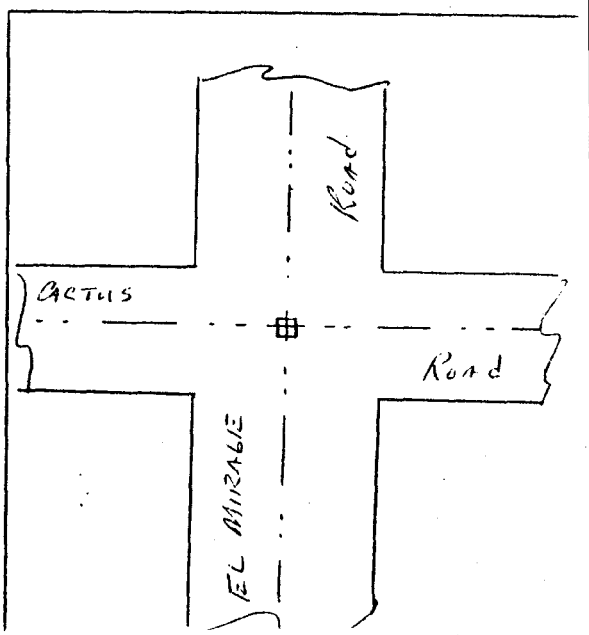
This station is located near EL MIRAGE (city), MARICOPA (county), ARIZONA (state)

To reach this station from the Post OFFICE in EL MIRAGE Go west 1/2 mile to EL MIRAGE Rd, Then South one mile to CACTUS Rd

This station is located at The INTERSECTION OF EL MIRAGE Rd & CACTUS Rd.

This station is a

BRASS Cap in Hand Hole



G1034

COUNTRY	TYPE OF MARK	STATION	
USA	Brass Cap	E¼ Cor Sec 23 T3N R1W	H&V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
			1107.920
LATITUDE	LONGITUDE	DATUM	DATUM
		NAD 83 (92)	NAVD '29
(NORTHING)(EASTING) (FT) 941419.931 (M)	(EASTING)(NORTHING) (FT) 575773.855 (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIM

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIM

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

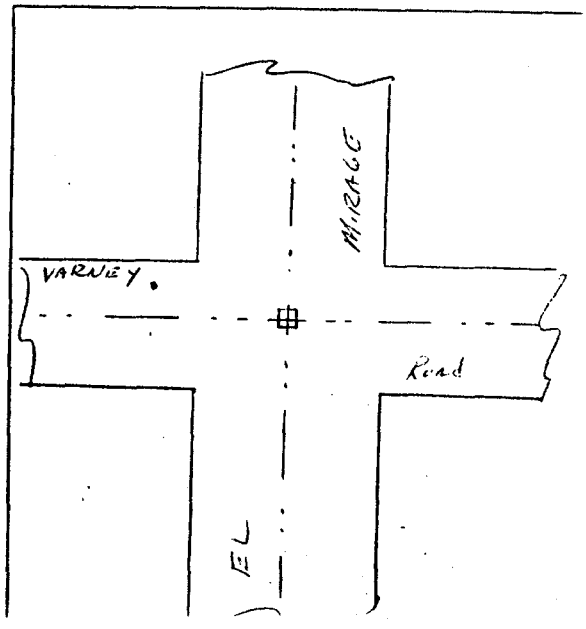
This station is located near EL MIRAGE (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the Post OFFICE in EL MIRAGE Go west ½ mile to EL MIRAGE Rd, Then south to VARNEY Rd which is 1½ miles south of Thunderbird Rd

This station is located at The INTERSECTION OF VARNEY Rd with EL MIRAGE Rd.

This station is a

BRASS CAP.



GPS
(7035)

COUNTRY	TYPE OF MARK	STATION	
USA	BRASS CAP	NECOR SEC 26 T3N R1W	H&V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
			1105.830
LATITUDE	LONGITUDE	DATUM	DATUM
NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
938783.01	575780.19		
NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIM

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIM

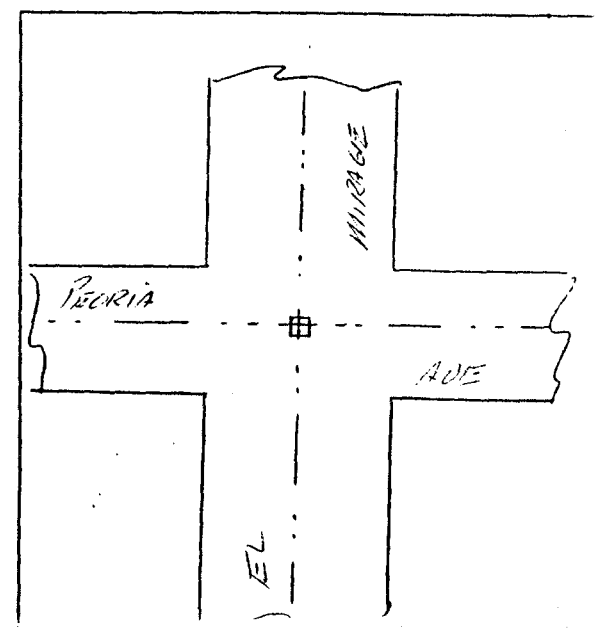
OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near EL MIRAGE (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the POST OFFICE IN EL MIRAGE go west 1/2 mile to EL MIRAGE RD, then South 2 miles to PEORIA AVE.

This station is located at The INTERSECTION OF PEORIA AVE & EL MIRAGE,

This station is a BRASS CAP IN Hand Hole



COUNTRY	TYPE OF MARK	STATION	
USA	BRASS CAP	W 1/4 SEC 13 T3N R1W (7036)	
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION (F (I
	MCHD	MCHD	NONE
LATITUDE	LONGITUDE	DATUM	DATUM
		NAD 83 (92)	NAVD '29
(NORTHING)(EASTING) (FT)	(EASTING)(NORTHING) (FT)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
946700.305 (M)	575768.399 (M)		
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUT

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUT

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near SUN CITY (city) . MARICOPA (county) . ARIZONA (state)

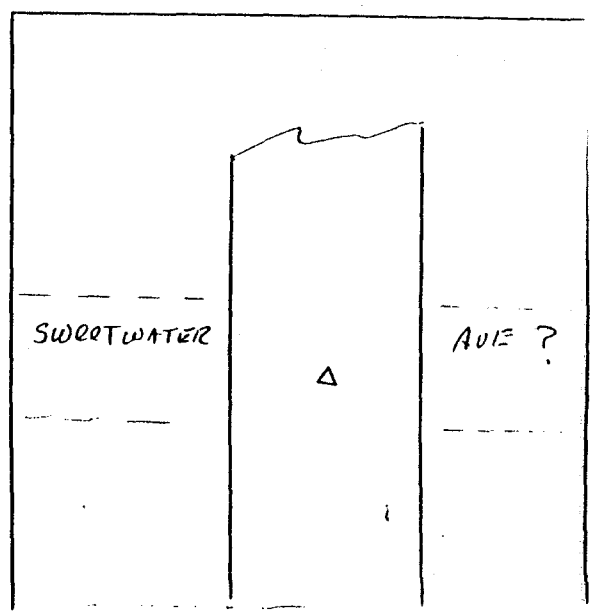
To reach this station from the

Post office in ELMIRAGE go west 1/2 mi To ELMIRAGE Rd then south, 1/2 mi. To STA.

This station is located at The west 1/4 of Sec 13 T 3N R1W middle of ELMIRAGE Road.

This station is a

BRASS Cap Flush



COUNTRY	TYPE OF MARK	STATION	
USA	BRASS CAP	SW SEC 25 T3N R1W (7038)	
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
	MC HD	MCHD	1096.402
LATITUDE	LONGITUDE	DATUM	DATUM
		NAD 83 (92)	NGVD 1929
NORTHING)(EASTING) (FT)	(EASTING)(NORTHING) (FT)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
933513.819 (M)	575781.795 (M)		
NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIM.

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMU

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near SUN CITY (city) . MARICOPA (county) . ARIZONA (state)

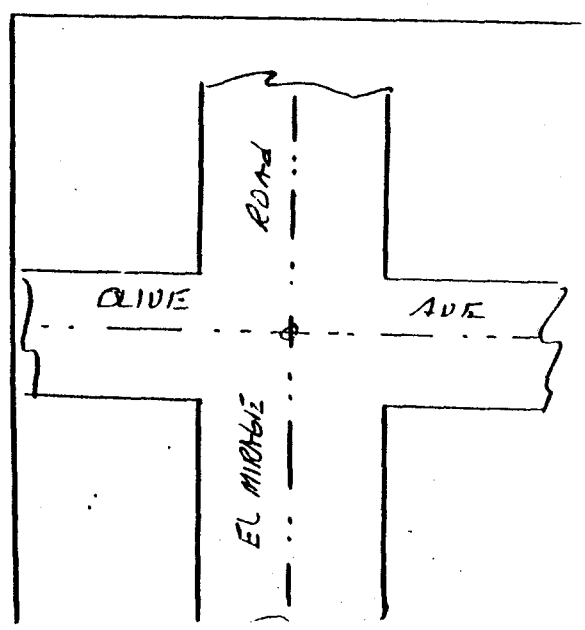
To reach this station from the

POST OFFICE IN EL MIRAGE GO WEST APROX ½ MI TO EL MIRAGE ROAD, THEN SOUTH 3 MILES, TO STA.

This station is located at INTERSECTION OF EL MIRAGE AND OLIVE ROAD

This station is a

BRASS CAP IN HAND HOLE



COUNTRY	TYPE OF MARK	STATION	
USA	BRASS CAP	W 1/4 SEC 13 T3N R1W (7036)	
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION (F (I
	MCHD	MCHD	NONE
LATITUDE	LONGITUDE	DATUM	DATUM
		NAD 83 (92)	NAVD '29
(NORTHING)(EASTING) (FT) 946700.305 (M)	(EASTING)(NORTHING) (FT) 575768.399 (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUT

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUT

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near SUN CITY (city) . MARICOPA (county) . ARIZONA (state)

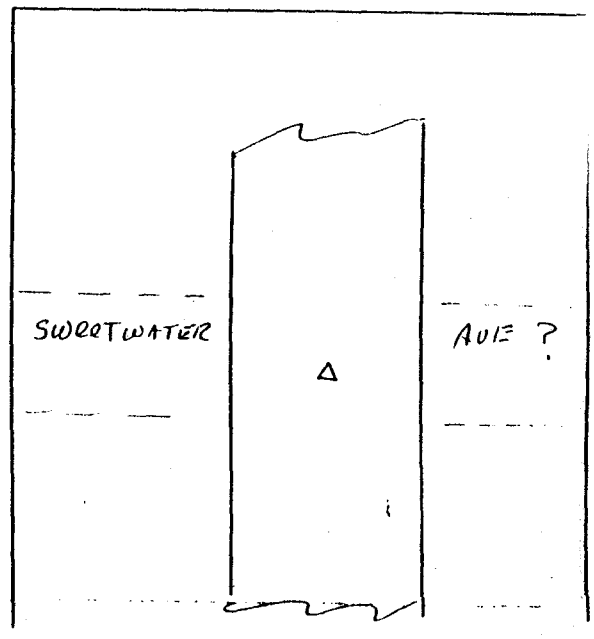
To reach this station from the

Post office in ELMIRAGE go west 1/2 mi To ELMIRAGE Rd then south, 1/2 mi. To STA.

This station is located at The west 1/4 of Sec 13 T3N R1W middle of ELMIRAGE Road.

This station is a

BRASS Cap Flush



COUNTRY USA	TYPE OF MARK BRASS CAP	STATION SW SEC 25 T3N R1W (7038)	
LOCALITY	STAMPING ON MARK MC HD	AGENCY (CAST IN MARK) MCHD	ELEVATION 1096.402
LATITUDE	LONGITUDE	DATUM NAD 83 (92)	DATUM NGVD 1929
NORTHING)(EASTING) (FT) 933513.819 (M)	(EASTING)(NORTHING) (FT) 575781.795 (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIM

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIM

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near SUN CITY (city) . MARICOPA (county) . ARIZONA (state)

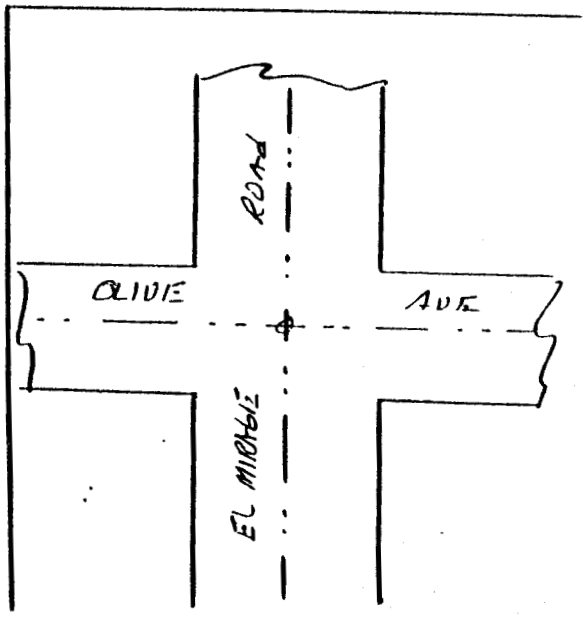
To reach this station from the

POST OFFICE IN EL MIRAGE GO WEST APROX ½ MI TO EL MIRAGE ROAD, THEN SOUTH 3 MILES, TO STA.

This station is located at INTERSECTION OF EL MIRAGE AND OLIVE ROAD

This station is a

BRASS CAP IN HANDHOLE



(7039)

COUNTRY	TYPE OF MARK	STATION	
USA	Brass Cap	E1/4 Sec. 35 T3N R1W 4	
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION (F (M)
			1089.527
LATITUDE	LONGITUDE	DATUM	DATUM
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

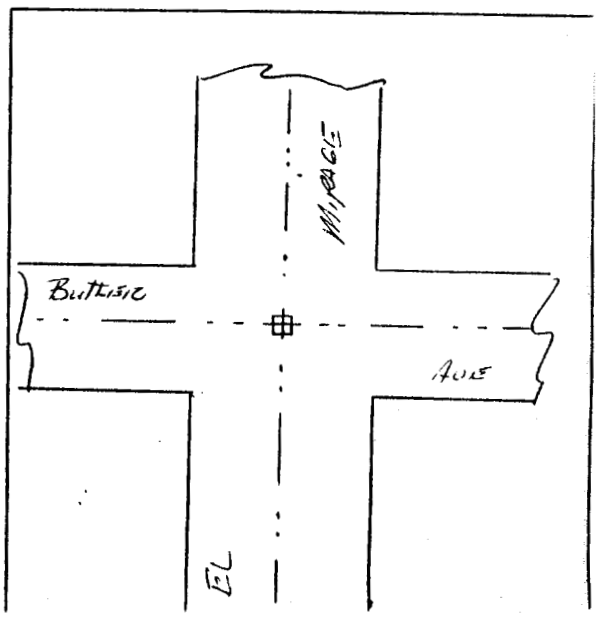
TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near EL MIRAGE (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the Post OFFICE IN EL MIRAGE
Go West on Thunderbird Road 1/2 mile to
EL MIRAGE Rd, then South 3 MILES to
OLIVE AVE, Point is 1/2 mile South
OF OLIVE.

This station is located at The INTERSECTION OF
BUTLER AVE & EL MIRAGE Rd.



This station is a

BRASS Cap FLUSH.

GPS
(1040)

COUNTRY	TYPE OF MARK	STATION	
USA	BRASS CAP	NE COR SEC 2 T2NR1W	HAV
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION (F (1
			1088.02
LATITUDE	LONGITUDE	DATUM	DATUM
		NAD 83 (92)	NAVD 29
NORTHING)(EASTING) (FT) 923 257.159 (M)	(EASTING)(NORTHING) (FT) 575787.913 (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUT

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUT

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near Litchfield Park (city) . MARICOPA (county) . ARIZONA (state)

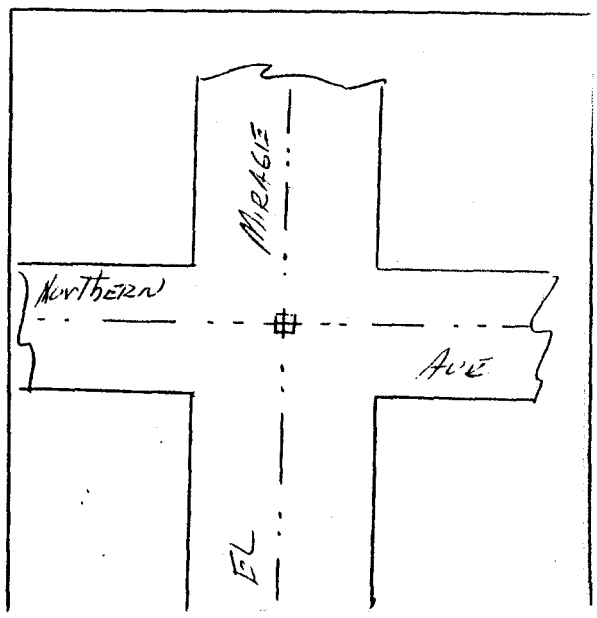
To reach this station from the INTERSECTION OF OLD Litchfield Rd & INDIAN School Rd GO East 2 miles to EL MIRAGE Rd, then NORTH 4 miles, to NORTHERN AVE.

This station is located at the intersection OF EL MIRAGE Rd & NORTHERN AVE

This station is a

BRASS CAP in HAND HOLE

GPS PT



(7041)

COUNTRY	TYPE OF MARK	STATION	
USA	BRASS CAP	N 1/4 COR SEC 31 T3N R1E	H & V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
			1106.0m+
LATITUDE	LONGITUDE	DATUM	DATUM
NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMU

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMU

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

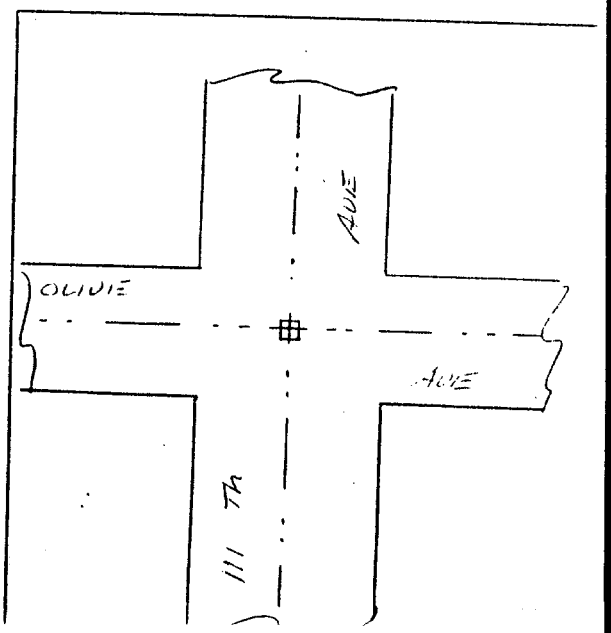
This station is located near EL MIRAGE (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the POST OFFICE IN EL MIRAGE GO WEST 1/2 MILE TO EL MIRAGE RD, THEN SOUTH 3 MILES TO OLIVE AVE, THEN EAST 1 1/2 miles TO 111th AVE

This station is located at THE INTERSECTION OF 111 TH AVE & OLIVE AVE

This station is a

BRASS CAP IN HAND HOLE



(7042

COUNTRY	TYPE OF MARK	STATION	
U.S.A.	BRASS CAP	NE COR SEC 36 T3N R1W	H&V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION 1090.086
LATITUDE	LONGITUDE	DATUM	DATUM
NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIM

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIM

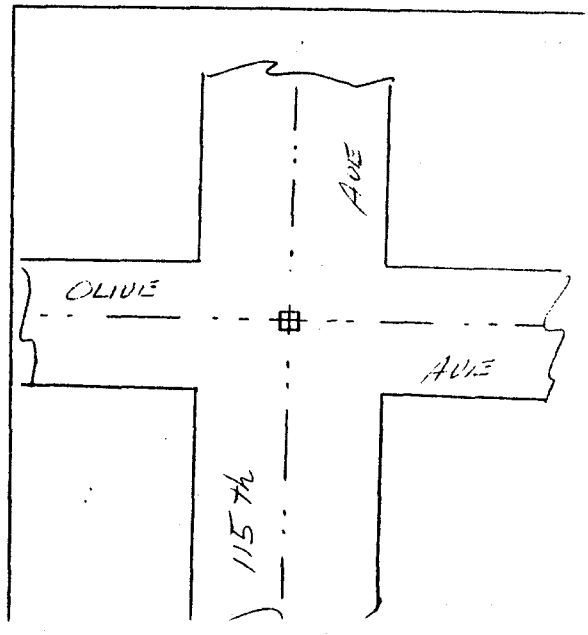
OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near EL MIRAGE (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the Post OFFICE IN EL MIRAGE Go ½ mile West To EL MIRAGE Road, Then South 3 MILES TO OLIVE AVE, Then EAST 1 MILE TO 115TH AVE

This station is located at INTERSECTION OF OLIVE AVE & 115th AVE

This station is a BRASS CAP IN HAND HOLE



1 1044

COUNTRY	TYPE OF MARK	STATION	
USA	BRASS CAP	NE COR SEC 11 T 2N R 1W	
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION (F (M)
			1063.67
LATITUDE	LONGITUDE	DATUM	DATUM
NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
938759.33	578421.52		AMCE
NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUTH

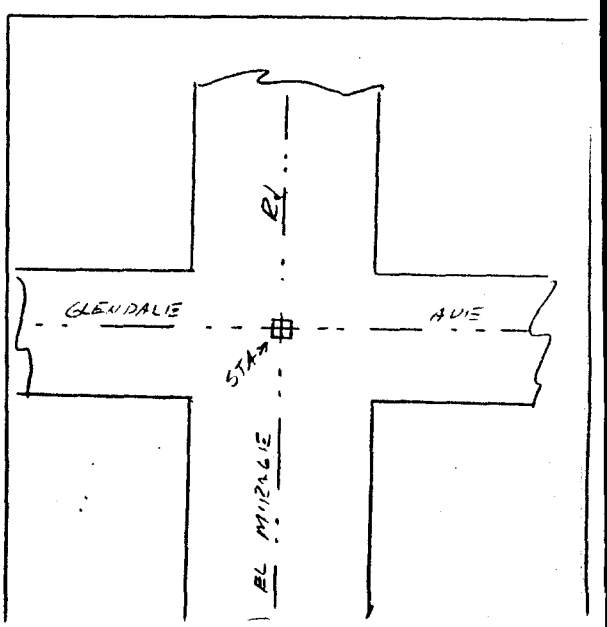
OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near Litchfield Park (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the INTERSECTION OF OLD LITCHFIELD Rd & INDIAN SCHOOL Rd go EAST two MILES TO EL MIRAGE Rd THEN NORTH three MILES TO Glendale Ave

This station is located at THE INTERSECTION OF EL MIRAGE Road & Glendale Ave

This station is a BRASS CAP IN HAND HOLE



COUNTRY	TYPE OF MARK	STATION	
USA.	BRASS CAP	N1/4 COR SEC 12 T2NR1W	
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
			1055.80
LATITUDE	LONGITUDE	DATUM	DATUM
(NORTHING)(EASTING) (FT) 922966.16 (M)	(EASTING)(NORTHING) (FT) 578497.24 (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY) AMICI
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMU

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMU

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

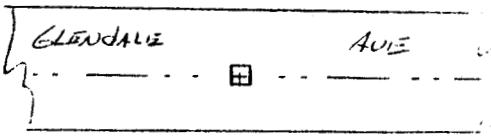
This station is located near LITCHFIELD PARK (city), MARICOPA (county), ARIZONA (state)

To reach this station from the INTERSECTION OF OLD Litchfield Rd & INDIAN School Rd go NORTH THREE MILES to Glendale AVE THEN EAST TWO AND ONE HALF MILES

This station is located at the south WEST bound TRAVEL LANE OF Glendale AVE.

This station is a

BRASS CAP FLUSH with PAVING.



GPS
(70)

COUNTRY	TYPE OF MARK	STATION	
USA	BRASS CAP	NE COR SEC 12 T2N R1W	
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION (F (1
			1053.92
LATITUDE	LONGITUDE	DATUM	DATUM
(NORTHING)(EASTING) (FT)	(EASTING)(NORTHING) (FT)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
922947.17 (M)	581080.53 (M)		ADOT
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUT

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUT

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

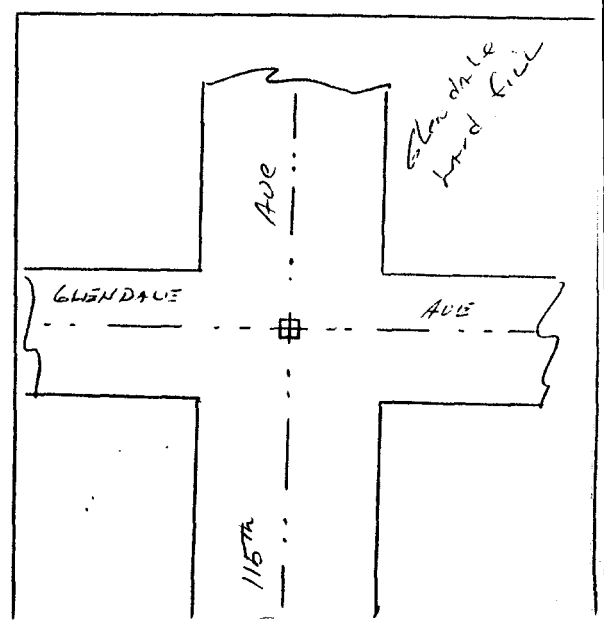
This station is located near LITCHFIELD PARK (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the INTERSECTION OF OLD LITCHFIELD Rd & INDIAN SCHOOL Rd go North THREE MILES TO GLENDALE AVE, then EAST THREE MILES TO 115th AVE

This station is located at THE INTERSECTION OF GLENDALE AVE & 115TH AVE

This station is a

BRASS CAP IN HAND HOLE
GPS Pt



7054

COUNTRY	TYPE OF MARK	STATION	
USA	1/2" RB	E 1/4 12 T 2N R 1W	
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION (F (M)
			None
LATITUDE	LONGITUDE	DATUM	DATUM
X	X		
(NORTHING)(EASTING) (FT)	(EASTING)(NORTHING) (FT)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
920 305.35 (M)	581072.22 (M)		
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUT

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUT

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near VILLA DE PAZ (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the

This station is located at

in AGUA FRIA River bed

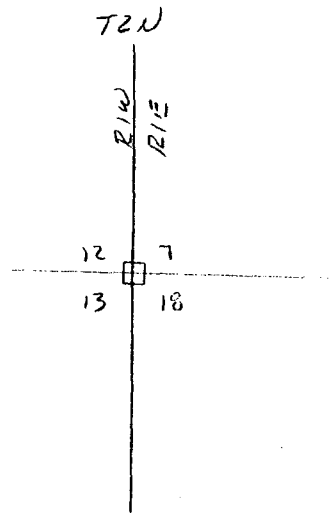
1/2" mile South of Glendale

AVE on Projection of 115th

AVE

This station is a

1/2" RB



(7055)

COUNTRY	TYPE OF MARK	STATION	
USA	1/2" RB	NE COR SEC 13 T2N R1W	
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION (F (I — NONE
LATITUDE ×	LONGITUDE ×	DATUM	DATUM
(NORTHING)(EASTING) (FT) 917663.54 (M)	(EASTING)(NORTHING) (FT) 581063.78 (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUT

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUT

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near Villa De Paz (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the

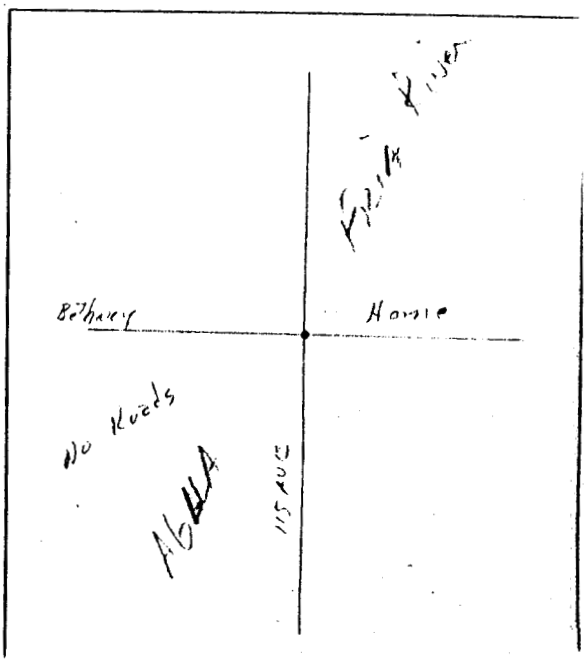
PROJECTION OF BETHANEY
HOMIE Rd & 115th AVE

This station is located at

THE BOTTOM OF AGUA FRIA RIVER
WILL HAVE TO SURVEY TO
FIND!

This station is a

1/2" RB



(7060)

COUNTRY	TYPE OF MARK	STATION	
USA	Brass Cap	NE COR OF SEC 25 T2N R1W	H&T
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
			1014.11
LATITUDE	LONGITUDE	DATUM	DATUM
X	X		
(NORTHING)(EASTING) (FT)	(EASTING)(NORTHING) (FT)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
907139.64 (M)	581104.34 (M)		AMCI
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMU

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMU

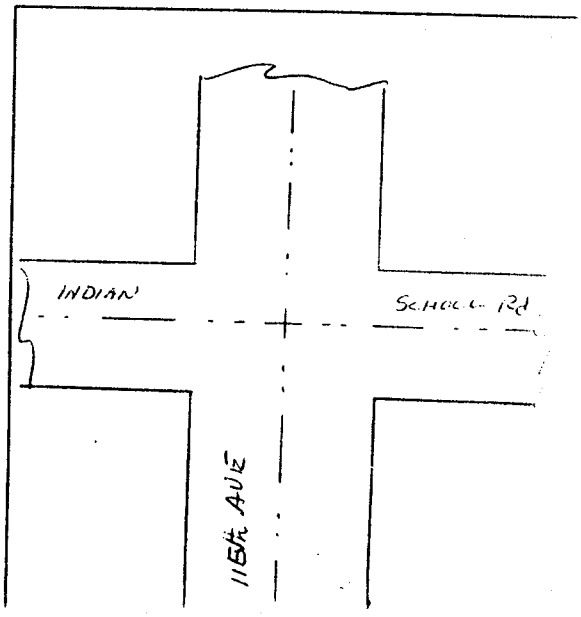
OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC) ° ' "	BACK AZIMUTH ° ' "	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)

This station is located near Litchfield Park (city), Maricopa (county), Arizona (state)

To reach this station from the intersection of Old Litch Field Park Rd & Indian School Road go East on Indian School Rd Three miles.

This station is located at intersection of 115th Ave. & Indian School Rd.

This station is o



(7061)

COUNTRY	TYPE OF MARK	STATION	
USA	Brass Cap	N 1/4 COR SEC 24 T2N R1E	H&V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
			1026.36
LATITUDE	LONGITUDE	DATUM	DATUM
(NORTHING)(EASTING) (FT) / (M)	(EASTING)(NORTHING) (FT) / (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
912410.26	578489.65		AMICI
(NORTHING)(EASTING) (FT) / (M)	(EASTING)(NORTHING) (FT) / (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMU

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMU

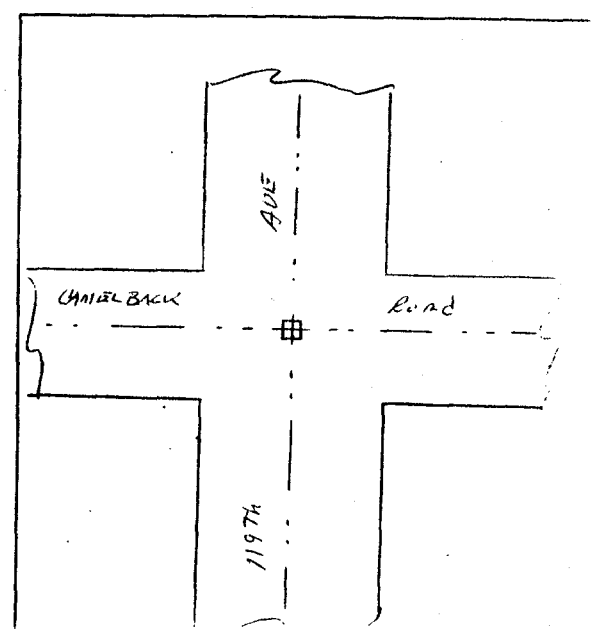
OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near Litchfield Park (city), Maricopa (county), Arizona (state)

To reach this station from the
INTERSECTION OF OLD LITCHFIELD Rd AND INDIAN SCHOOL Rd go NORTH one MILE TO Camelback Rd Then EAST two and one half miles

This station is located at
the INTERSECTION OF 119TH AVE and Camel back Road

This station is a
BRASS CAP IN A hand HOLE



GPS
(7062)

COUNTRY	TYPE OF MARK	STATION	
USA	BAR	NE COR SEC 15 T2N R 1W	
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
			1036.30
LATITUDE	LONGITUDE	DATUM	DATUM
(NORTHING)(EASTING) (FT) 917711.74 (M)	(EASTING)(NORTHING) (FT) 575892.00 (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY) AMS 1
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMU

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMU

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near LITCHFIELD PARK (city). MARICOPA (county). ARIZONA (state)

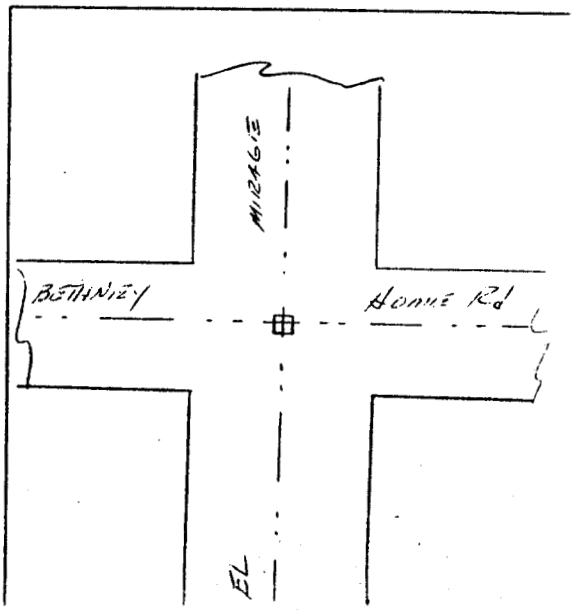
To reach this station from the INTERSECTION OF OLD Litchfield Rd & Indian School Rd GO EAST TWO miles to EL MIRAGE Rd, THEN NORTH TWO Miles to BETHANEY HOME Rd

This station is located at

INTERSECTION OF Bethney Home Rd & EL MIRAGE Rd.

This station is a

IRON BAR IN Pot Hole
GPS Pt



COUNTRY	TYPE OF MARK	STATION	
USA	Brass cap.	E 1/4 Sec 23	
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
			1025.38
LATITUDE	LONGITUDE	DATUM	DATUM
X X	X X		
(NORTHING)(EASTING) (FT) 909821.14 (M)	(EASTING)(NORTHING) (FT) 575882.20 (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY) ANICE
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIM

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIM

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

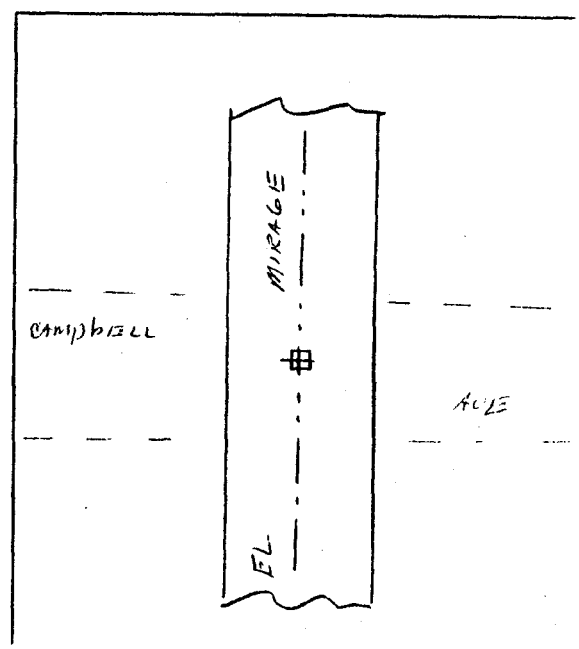
This station is located near LITCHFIELD PARK (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the INTERSECTION OF OLD LITCHFIELD Road and INDIAN SCHOOL Rd go EAST two MILES TO EL MIRAGE Rd, THEN NORTH ONE HALF MILE.

This station is located at CENTER LINE OF EL MIRAGE Rd and Projection OF Campbell AVE.

This station is a

Brass Cap in hand Hole



1 of 1

COUNTRY	TYPE OF MARK	STATION	
USA	BRASS CAP	NE COR SEC 26 T2N R1W	
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
	~~HEAD~~ NONE	MCAD	1016.04
LATITUDE	LONGITUDE	DATUM	DATUM
(NORTHING)(EASTING) (FT)	(EASTING)(NORTHING) (FT)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
907217.53 (M)	575901.42 (M)		AMCI
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIM

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIM

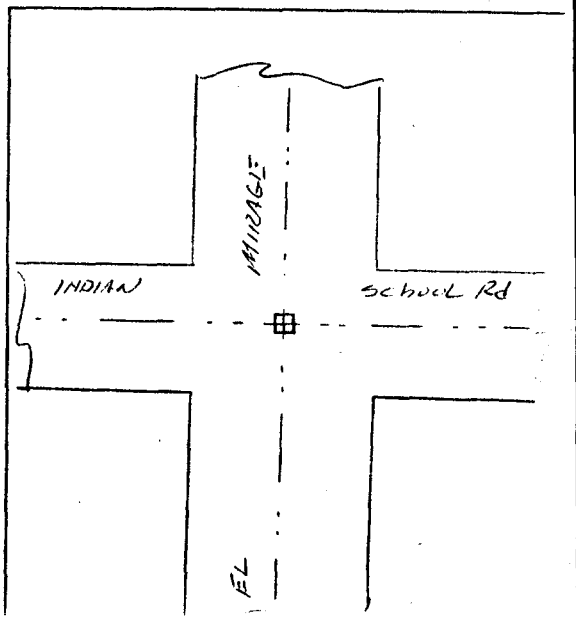
OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near LITCHFIELD PARK (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the INTERSECTION OF OLD LITCHFIELD Rd & INDIAN SCHOOL Rd Go EAST TWO MILES ON INDIAN School Rd

This station is located at The Intersection of INDIAN SCHOOL Rd and EL MIRAGE Rd.

This station is a BRASS CAP IN HAND HOLE



(1068)

COUNTRY	TYPE OF MARK	STATION	
USA	BC HH	S 1/4 SEC 19 T2N R1E	
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION (F) (M)
			1017.26
LATITUDE	LONGITUDE	DATUM	DATUM
X	X		
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
907238.98	583588.30		
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUT

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUT

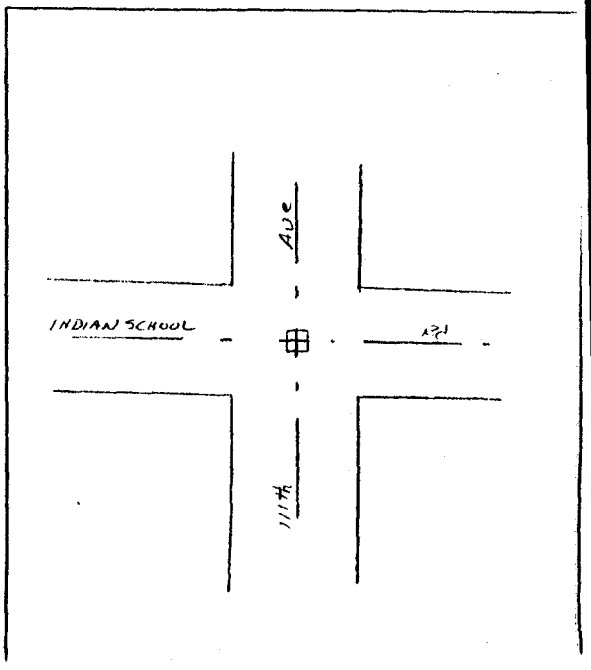
OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near Villa De Paz (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the INTERSECTION OF 107th AVE AND INDIAN SCHOOL Rd GO WEST TO 111th AVE

This station is located at 111th AVE AND INDIAN SCHOOL Rd.

This station is a BC IN HH



GPS
(7070

COUNTRY	TYPE OF MARK	STATION	
USA	BRASS CAP	NE COR SEC 14 T3N R1W	H&V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION 1135.381
LATITUDE	LONGITUDE	DATUM	DATUM
(NORTHING)(EASTING) (FT) 949343.51 (M)	(EASTING)(NORTHING) (FT) 575768.49 (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIM

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIM

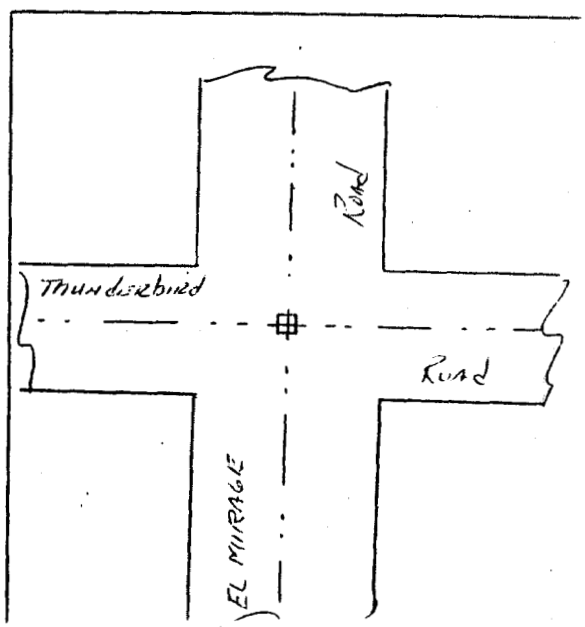
OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near EL MIRAGE (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the Post Office in EL MIRAGE Go west 1/2 mile to EL MIRAGE Road.

This station is located at THE INTERSECTION OF EL MIRAGE Road & Thunderbird Road

This station is a BRASS Cap in Hand Hole GPS Pt



(7074)

COUNTRY	TYPE OF MARK	STATION	
USA	BRASS CAP	N 1/4 SEC 6 T2N R1E	V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
			1080.079
LATITUDE	LONGITUDE	DATUM	DATUM
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMU

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMU

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

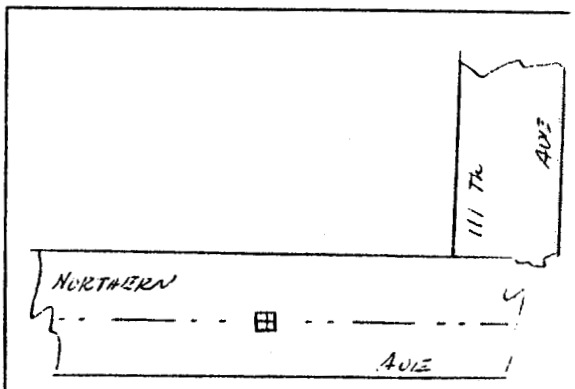
This station is located near Litchfield Park (city) . Maricopa (county) . Arizona (state)

To reach this station from the INTERSECTION OF OLD LITCHFIELD Rd & INDIAN SCHOOL GO NORTH 4 MILES TO NORTHERN AVE, THEN EAST 3 1/2 MILES TO 111 TH AVE & Northern.

This station is located at 111th Ave & Northern

This station is a

BRASS CAP in Hand Hole



(7075)

COUNTRY	TYPE OF MARK	STATION	
USA	Brass Cap	N 1/4 Sec 7 T2N R1E	V
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
			1054.59
LATITUDE	LONGITUDE	DATUM	DATUM
NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMU

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMU

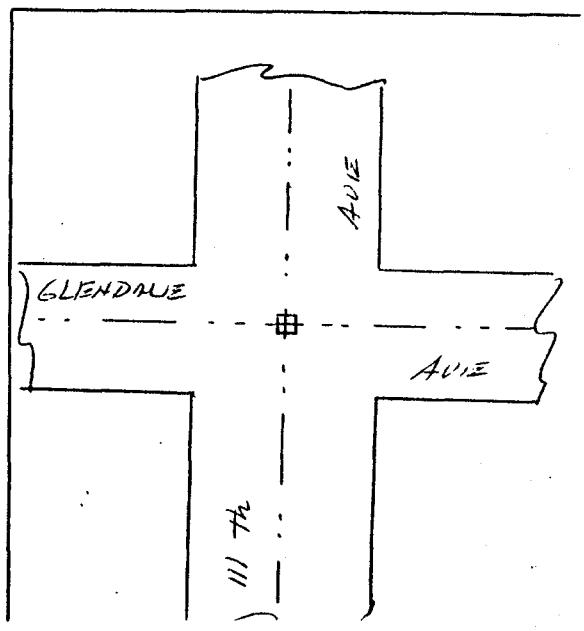
OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near Litchfield Park (city), Maricopa (county), Arizona (state)

To reach this station from the INTERSECTION OF OLD Litchfield Rd & Indian School Rd Go North 3 miles to Glendale Ave, then East 3 1/2 miles to 111th Ave

This station is located ~~at~~ in the South West bound Travel Lane of Glendale Ave & 111th Ave

This station is a Brass Cap.



COUNTRY	TYPE OF MARK	STATION	
USA	BRASS CAP	R-366	(8001)
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION (FT)
	R-366	COAST & GEODETIC	1353.377 (M)
LATITUDE	LONGITUDE	DATUM	DATUM
33° 45' 32" N	112° 15' 24" W	NAD 83(92)	NGVD 29
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near SUN CITY (city) . MARICOPA (county) . ARIZONA (state)

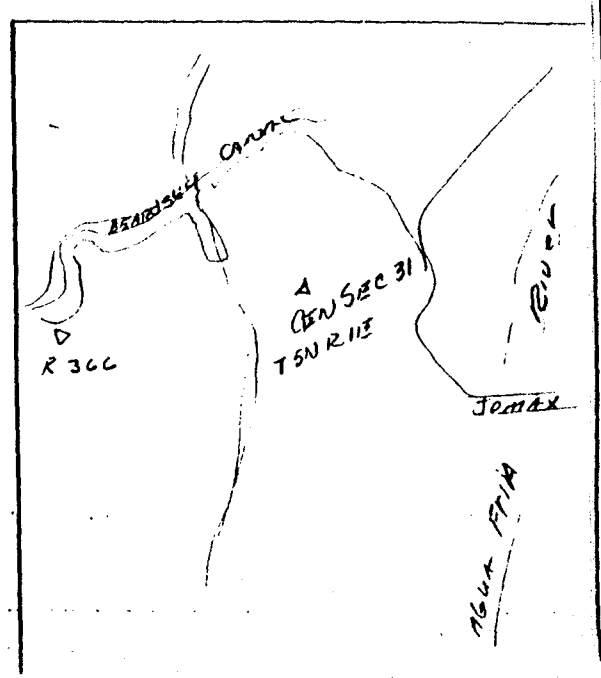
DESCRIPTION OF BENCH MARK

Designation R 366 State Arizona County Maricopa
Nearest town El Mirage County Maricopa
Distance and direction from nearest town 13.85 miles northwest Chief of party Carl N. Davis
Character of mark O&GS B.M. Disk on a Copper Coated Rod Leveling date March 1967
Established by O&GS Stamping R 366 1967

Detailed description About 7.0 miles northwest along U.S. Highways 60, 70 and 89 and State Highway 93 from the post office at El Mirage, thence 6.85 miles northeast along Canal Road which parallels the southeast side of the Beardsley Canal, in section 31, T 5 N, R 1 E, 1 telephone pole west of a sharp curve in the road and canal, 45 feet southeast of the center line of the road, 21 feet southeast of the center line of a trail road, 7 feet east of a telephone pole, 1 inch south of a metal witness post, about 1½ feet above the level of the road, and on the top of a 5/8-inch copper coated rod that is driven to a depth of 6 feet and is encased in a 5-inch iron pipe which projects 12 inches.

This station is a

BRASS CAP SET ON A COPPER COATED ROD IN A 5" IRON PIPE.



COUNTRY	TYPE OF MARK	STATION	
USA	BRASS CAP	S 366	(8002)
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
	S- 366	COAST & GEODETIC	1317.002
LATITUDE	LONGITUDE	DATUM	DATUM
33°44' 06.' N	112° 18' 01" W	NAD 83 (92)	NGVD 29
NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMU

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMU

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near Sun City (city) . MARICOPA (county) . ARIZONA (state)

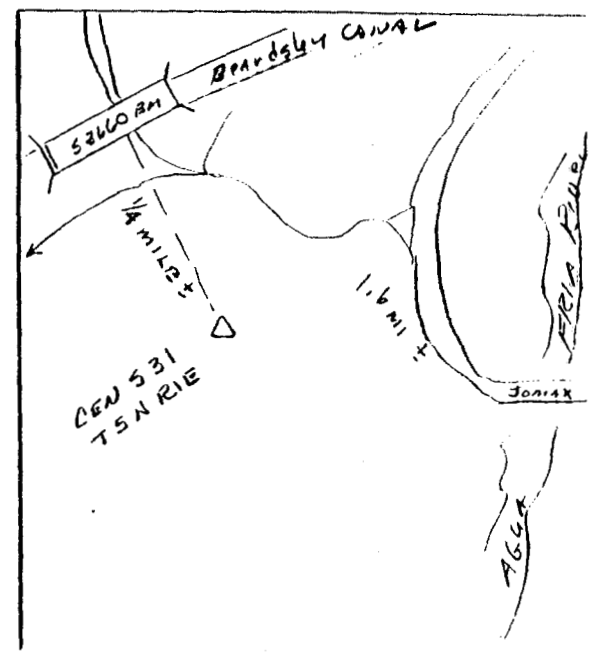
To reach this station from the

DESCRIPTION OF BENCH MARK

Designation S 366 State Arizona County Maricopa
Nearest town El Mirage County Maricopa Chief of party Carl N. Davis
Distance and direction from nearest town 14.55 miles northwest Leveling date March 1967
Character of mark A C&GS Bench Mark Disk Stamping S 366 1967
Established by C&GS
Detailed description About 7.0 miles northwest along U.S. Highways 60, 70 and 89 and State Highway 93 from the post office at El Mirage, thence 7.55 miles northeast along Canal Road which parallels the southeast side of the Beardsley Canal, or about 6.25 miles north along 107th Avenue from the Kings Inn at Sun City, thence 2.45 miles north along a graveled road, thence 0.7 mile northwest along a graveled road, thence 0.5 mile west along a trail road, in section 31, T 5 N, R 1 E, 68 yards north of the center of the crossing of the trail road and the Beardsley Canal viaduct, below and near the east end of the Beardsley Canal viaduct which crosses above a graveled wash and a private trail road, set in the center of the top of the concrete foundation supporting the 2nd set of 2 metal legs west of the east end of the viaduct, 20 feet west of the center line of the trail road, about 2 feet above the level of the ground and about level with the trail road.

This station is a

BRASS CAP SET IN CEMENT FOOTING OF BEARDSLY CANAL VIA DUCT.



COUNTRY	TYPE OF MARK	STATION	
USA	BRASS CAP	M 266 (8003)	
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION (FT)
	M - 266	COAST & GEODETIC	1253.275 (M)
LATITUDE	LONGITUDE	DATUM	DATUM
33° 43' 00" N	112° 17' 16" W	NAD 83 (92)	NGVD 29
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

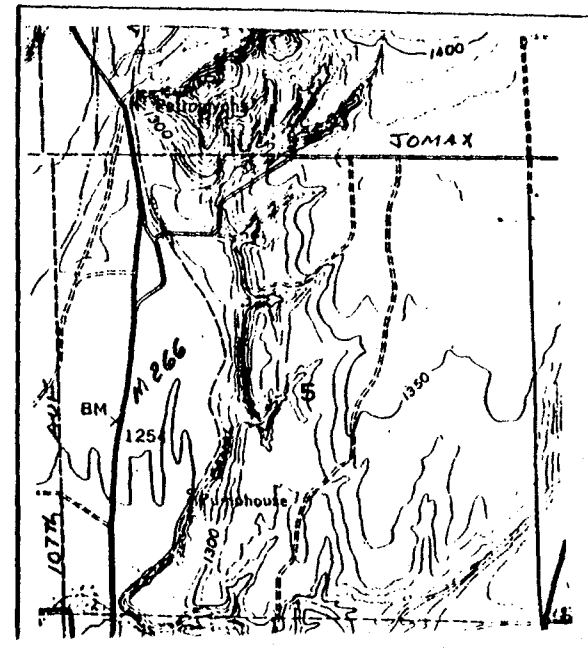
This station is located near SUN CITY (city) . MARICOPA (county) . ARIZONA (state)

RECOVERY NOTE, BENCH MARK R

Designation M 266 State Arizona County Maricopa
Nearest town Sun City Described in Chief of party Carl N. Davis
Distance and direction from nearest town 8.0 miles north Recovery date March 1967
Character of mark A C&GS B.M. Disk Established by C&GS Stamping M 266 1948
Also horizontal control point ☐ Present condition Good

Detailed report: About 6.25 miles north along 107th Avenue from the Kings Inn at Sun City, thence 1.75 miles north along a graveled road, in section ~~25~~ SEC 5 T 4 N, R 1 E, 0.6 mile north of a set of ranch buildings, 0.4 mile south of the junction of the road and a graveled road, 134 yards east of a row of power poles, 36 feet west of the center line of the road, 2.0 feet south of a 4- x 4-inch wooden witness post, about 2 feet above the level of the road, and set in the top of a concrete post which projects 5 inches.

This station is a BRASS CAP SET IN CEMENT BLOCK.



COUNTRY	TYPE OF MARK	STATION	
USA	BRASS CAP	L 365	(8004)
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION (F)
	L 365		1247.248 (I)
LATITUDE	LONGITUDE	DATUM	DATUM
33° 40' 55" N	112° 17' 22" W	NAD 83 (92)	NGVD 29
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near SUN CITY (city) . MARICOPA (county) . ARIZONA (state)

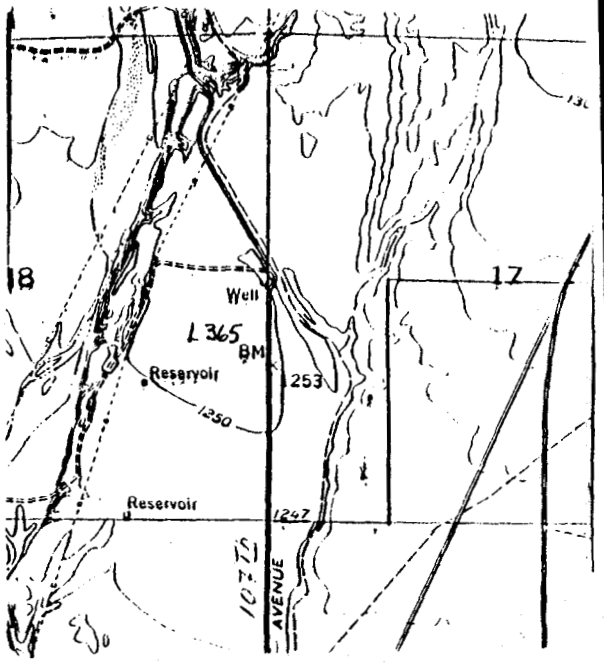
To reach this station from the

DESCRIPTION OF BENCH MARK

Designation L 365 State Arizona County Maricopa
Nearest town Sun City County Maricopa Chief of party Carl N. Davis
Distance and direction from nearest town 5.5 miles north Leveling date March 1967
Character of mark A C&GS Bench Mark Disk Stamping L 365 1967
Established by C&GS
Detailed description About 5.5 miles north along 107th Avenue from the Kings Inn at Sun City, in section 17, T 4 N, R 1 E, 0.5 mile south of an irrigation well on the west side of the avenue, 35 feet east of the center line of the avenue, 41 feet north of the extended center line of a trail road, 7 feet east of a power pole, 2.2 feet west of a metal witness post, about 1 foot above the level of the road, and set in the top of a concrete post which projects 6 inches.

This station is a

BRASS CAP IN CEMENT BLOCK



COUNTRY USA	TYPE OF MARK MONEL RIVET	STATION RV 87 (UNSTABLE) (8005)	
LOCALITY	STAMPING ON MARK NONE	AGENCY (CAST IN MARK) NONE	ELEVATION 1136.586 (FT) (M)
LATITUDE 33° 36' 25" N	LONGITUDE 112° 18' 14" W	DATUM NAD 83 (92)	DATUM NGVD 29
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC) ° ' "	BACK AZIMUTH ° ' "	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)

This station is located near SUN CITY (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the

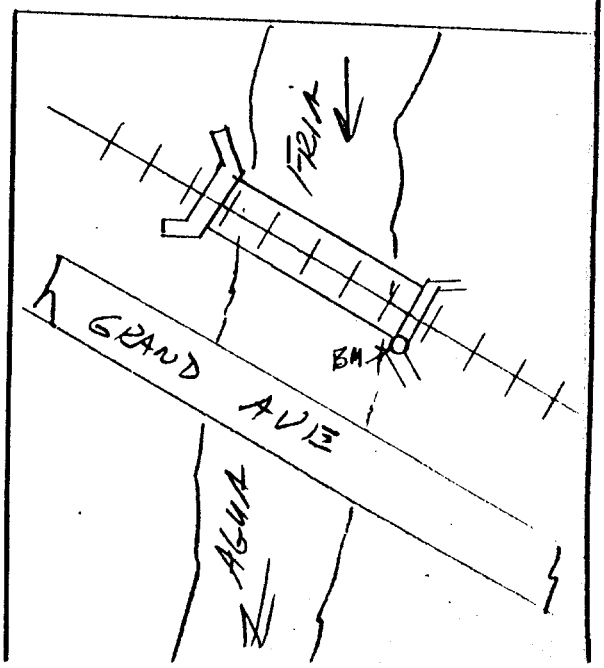
INTERSECTION OF 111TH AVE & GRAND AVE GO NW ALONG GRAND AVE 1000' TO RAILROAD BRIDGE ON THE RIGHT OVER AGUA FRIA RIVER.

This station is located at

THE TOP OF THE SE FOOTER OF R/R BRIDGE. FOOTER CRACKED AND MOVING DOWN.

This station is a

BRASS CAP



COUNTRY USA	TYPE OF MARK ALUM CAP	STATION BM 2346F (8006)	
LOCALITY	STAMPING ON MARK 2346 F	AGENCY (CAST IN MARK) ADOT	ELEVATION 1148.847 (FT) (M)
LATITUDE	LONGITUDE	DATUM NAD 83(92)	DATUM NGVD 29
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC) ° ' "	BACK AZIMUTH ° ' "	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)

This station is located near SUN CITY (city) . MARICOPA (county) . ARIZONA (state)

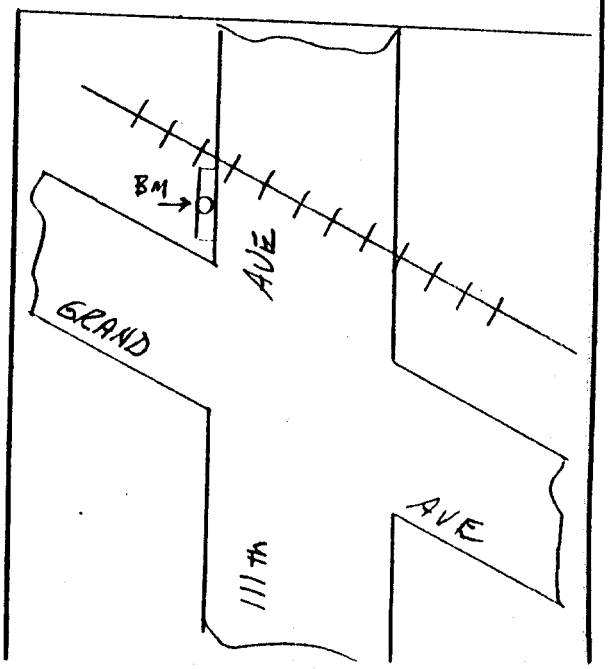
To reach this station from the

This station is located at

NW COR OF THE INTERSECTION OF 111th AVE & GRAND AVE ON TOP OF HEADWALL OF DRAINAGE SE TO NW

This station is a

ALUM CAP



COUNTRY USA	TYPE OF MARK ALUM DISK	STATION U-23 (UNSTABLE) (8007)	
LOCALITY	STAMPING ON MARK U-23	AGENCY (CAST IN MARK) C&GS	ELEVATION (FT) 1148.768 (M)
LATITUDE	LONGITUDE	DATUM NAD 83 (92)	DATUM NGVD 29
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near SUN CITY (city) . MARICOPA (county) . ARIZONA (state)

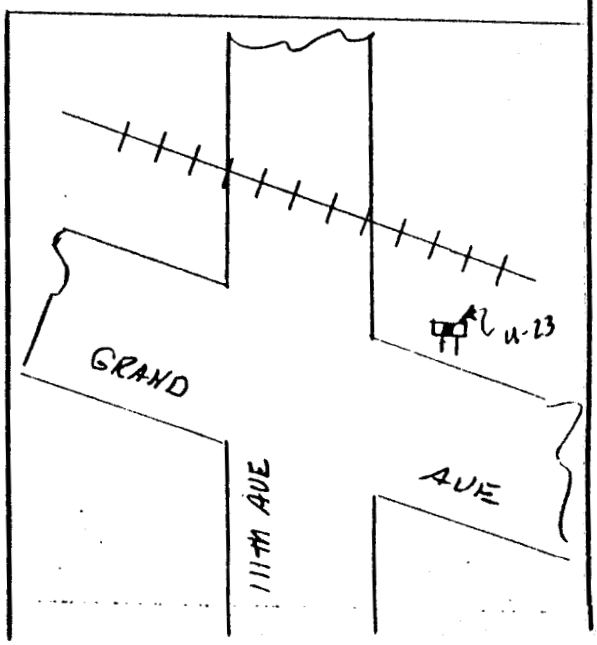
To reach this station from the

This station is located at

INTERSECTION OF 111 AVE & GRAND AVE ON CONCRETE HEADWALL at NE COR OF INTERSECTION

This station is a

BRASS CAP set in Headwall



COUNTRY	TYPE OF MARK	STATION	
USA	ALUM DISK (CAP)	417 K	(8008)
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION (FT)
	417 K	ADOT	1084.643 (M)
LATITUDE	LONGITUDE	DATUM	DATUM
33° 33' 20" N	112° 16' 20" W	NAD 83 (92)	NAVD '29
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near SUN CITY (city) . MARICOPA (county) . ARIZONA (state)

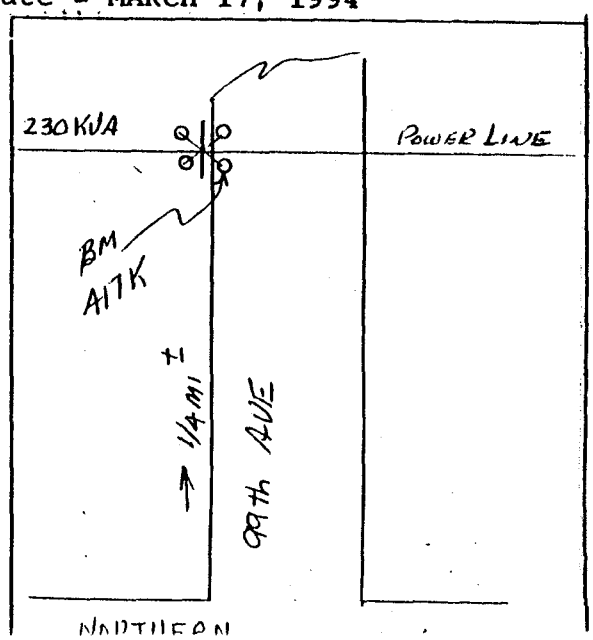
DV1726
DV1726 STATION DESCRIPTION
DV1726
DV1726'DESCRIBED BY ARIZONA DEPARTMENT OF TRANSPORTATION 1982
DV1726'FROM INTERSTATE 10 AND 99TH AVENUE IN TOLLESON TRAVEL NORTH ALONG 99TH
DV1726'AVENUE FOR 6.5 MI (10.46 KM) TO DEEP WATER WELL AND MARK ON THE LEFT,
DV1726'32 FT (9.75 METERS) WEST OF CENTERLINE OF 99TH AVENUE, A STANDARD AZDT
DV1726'ALUMINIUM CAP EPOXIED ON CONCRETE BASE OF HIGH VOLTAGE TOWER.
1 National Geodetic Survey, Retrieval Date = MARCH 17, 1994

This station is located at

a STEEL TOWER POWER LINE
1/4 MI NORTH OF NORTHERN
AVE ON 99th AVE, WEST
Side OF 99th AVE.

This station is a

ADOT ALUM. CAP.
SET IN FOOTER OF TOWER.



COUNTRY	TYPE OF MARK	STATION	
USA	BENCH MARK DISK	417 D 1	(8009)
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
	417 D-1	A.D.O.T.	1033.184
LATITUDE	LONGITUDE	DATUM	DATUM
33° 29' 37"	112° 16' 21" (SCALED NAD CON)	NAD 83 (92)	NAVD 29
NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMU

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMU

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near SUN CITY (city), MARICOPA (county), ARIZONA (state)

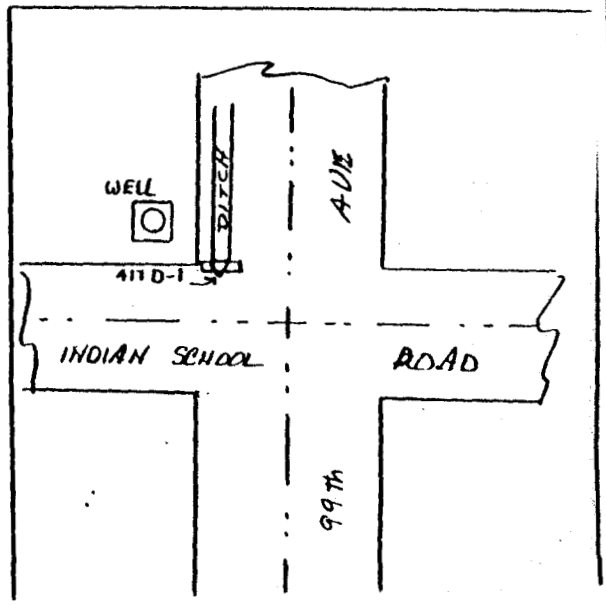
DV1707 STATION DESCRIPTION
DV1707
DV1707'DESCRIBED BY ARIZONA DEPARTMENT OF TRANSPORTATION 1983
DV1707'FROM THE INTERSECTION OF INTERSTATE 10 IN TOLLESON TRAVEL NORTH ALONG
DV1707'99TH AVENUE FOR 2.2 MI (3.54 KM) TO INDIAN SCHOOL ROAD AND THE MARK ON
DV1707'THE NORTHWEST CORNER, 33.0 FT (10.06 METERS) WEST OF CENTERLINE OF
DV1707'99TH AVENUE, 45.6 FT (13.90 METERS) NORTH OF INDIAN SCHOOL ROAD, A
DV1707'STANDARD MARICOPA COUNTY BRASS CAP SET IN TOP OF CONCRETE HEADWALL.
DV1707'NOTE--THE MARK IS NOT STAMPED.
National Geodetic Survey, Retrieval Date = MARCH 17, 1994

This station is located at

INDIAN SCHOOL & 99th AVE

This station is a

ADOT BENCH MARK DISK



COUNTRY	TYPE OF MARK	STATION	
USA.	BRASS CAP	R 9 (CITY OF PEORIA) NE SEC 29 T3N R1E (8010)	
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION
	MC HD	Maricopa County Hwy Dept	1118.528
LATITUDE	LONGITUDE	DATUM	DATUM
		NAD 83 (92)	NAVD 29
NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIM

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIM

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near Sun City (city) . Maricopa (county) . Arizona (state)

To reach this station from the

INTERSECTION OF GRAND AVE & 99th AVE

GO South 1.1 mi to STA.

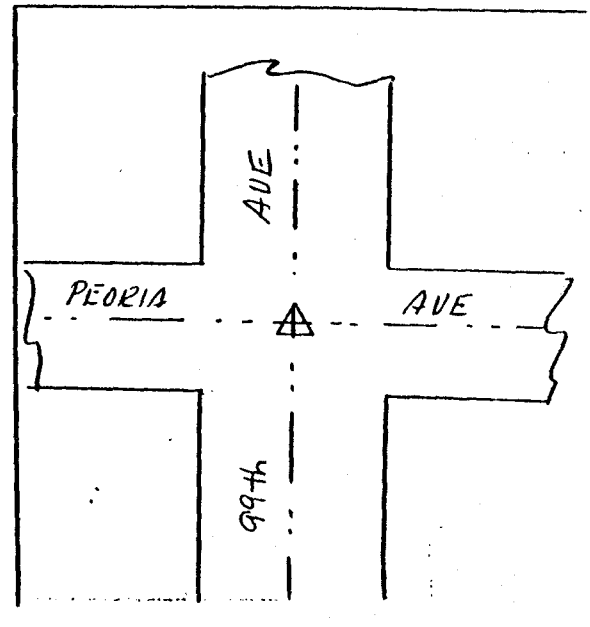
This station is located at

PEORIA & 99th AVE

INTERSECTION

This station is a

BRASS CAP IN Hand hole



Lid 5 /

(9005)

COUNTRY	TYPE OF MARK	STATION	
USA	ALUM CAP	MAC (ADOT P&M)	H
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION (FT) (M)
	MAC	ADOT	
LATITUDE	LONGITUDE	DATUM	DATUM
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUTH

OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

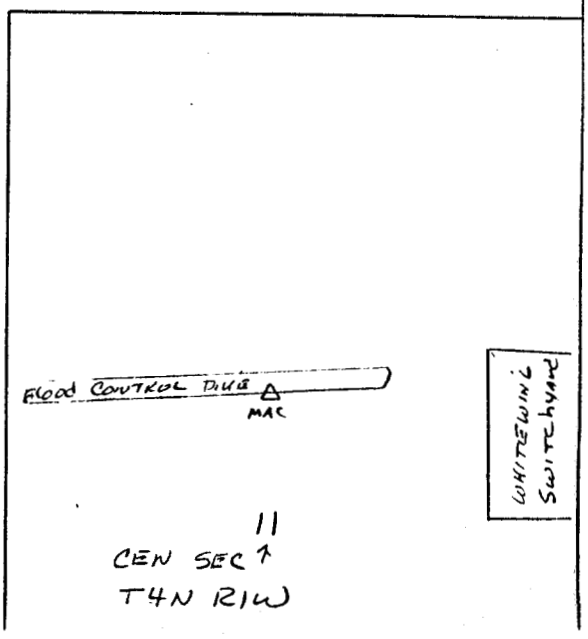
This station is located near SUN CITY (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the Post Office at 99th & Bell Rd go North 6 miles North to Jomax Road, then West Two miles To 115th Ave, then one more mile To Fence & Cattle guard, Then South Aprox one mile to gate, then West Aprox 1/10 mile on McMicken Dam channel.

This station is located at

DESIGNATION - MAC
PID - DV1867
STATE/COUNTY - AZ/MARICOPA
USGS Quad - Caldwerwood Butte

This station is a TRIANGULATION STATION DISK IN TOP OF CONCRETE MONUMENT (Round)



WID 5

(9006)

COUNTRY	TYPE OF MARK	STATION	
USA	ADOT ALUM CAP	JOE (ADOT P&M)	H
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION (FT) (M)
	JOE	ADOT.	—
LATITUDE	LONGITUDE	DATUM	DATUM
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUTH

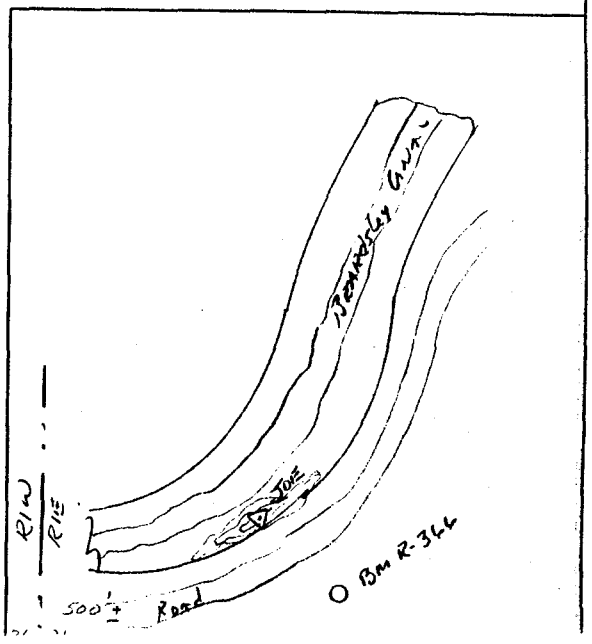
OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near SUN CITY (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the POST OFFICE at 99th & Bell Rd
To NORTH on 99th To Jomax Road, Then go
West 2 miles to Point 500' EAST & ON
South BANK OF Beardsley CANAL.

This station is located at
DESIGNATION JOE
PID DV1865
STATE/COUNTY AZ/MARICOPA
USGS QUAD CALDERWOOD BUTTE

This station is a TRIANGULATION STATION DISK
ADOT WITH SETTING: SET IN TOP OF
CONCRETE MONUMENT (ROUND)



5 /

(9007)

COUNTRY	TYPE OF MARK	STATION	
USA	BC IN CONC	HEATH	
LOCALITY	STAMPING ON MARK	AGENCY (CAST IN MARK)	ELEVATION (FT) (M)
	HEATH	NGS	—
LATITUDE	LONGITUDE	DATUM	DATUM
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)
910724.03	577764.45		NGS
(NORTHING)(EASTING) (FT) (M)	(EASTING)(NORTHING) (FT) (M)	GRID AND ZONE	ESTABLISHED BY (AGENCY)

TO OBTAIN GRID AZIMUTH, ADD ° ' " TO THE GEODETIC AZIMUTH

TO OBTAIN GRID AZ. (ADD)(SUB) ° ' " TO THE GEODETIC AZIMUTH

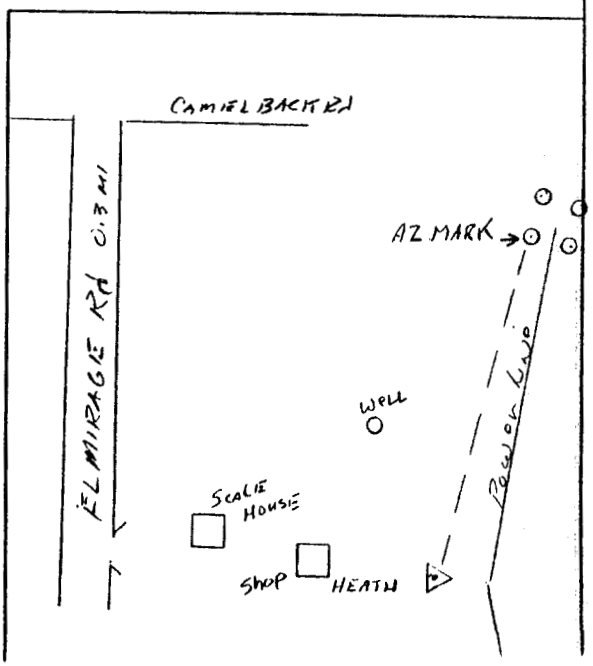
OBJECT	AZIMUTH OR DIRECTION (GEODETIC)(GRID) (MAGNETIC)	BACK AZIMUTH	GEOD. DISTANCE (METERS) (FEET)	GRID DISTANCE (METERS) (FEET)
	° ' "	° ' "		

This station is located near VILLA DE PAZ (city) . MARICOPA (county) . ARIZONA (state)

To reach this station from the INERSECTION OF EL MIRAGE Rd AND CAMELBACK RD GO SOUTH ON EL MIRAGE Rd 0.3 MILES SOUTH TO ENTRANCE OF GRAVEL OPERATION, GO TO STEEL TOWER POWER LINE

This station is located at SE END OF GRAVEL PITS APROX 500' SOUTH OF WELL NORTH OF STEEL TWR

This station is a B.C. SET IN CONC



Easy Survey Coordinate Editor, File ->95010.CR5

Point	Northing	Easting	Elevation	- Description -
1	5000.0000	5000.0000	100.0000	START
7	905477.1570	575339.2906	0.0000	7
8	907316.5870	575841.4142	0.0000	8
10	922956.1698	578497.3561	0.0000	10
11	922937.2010	581080.9515	0.0000	11
13	916349.5545	581063.9335	0.0000	13
15	912437.6594	580093.2025	0.0000	15
16	907190.5261	581080.1865	0.0000	16
19	928129.4405	581027.4002	0.0000	19
20	928248.8785	578613.6850	0.0000	20
21	926299.0984	575252.2772	0.0000	21
22	923040.8163	574866.3624	0.0000	22
23	929297.1510	583709.3222	0.0000	23
24	932445.3421	583271.4806	0.0000	24
25	933817.8241	581845.9430	0.0000	25
26	934411.7534	581157.7147	0.0000	26
27	938428.5985	581528.4195	0.0000	27
28	938760.8406	581394.6572	0.0000	28
29	940231.2475	580724.0524	0.0000	29
30	943991.6164	581763.6163	0.0000	30
35	948936.8859	581203.6332	0.0000	35
36	952113.9355	580901.9176	0.0000	36
38	954570.0114	580985.6904	0.0000	38
39	957192.0935	580981.7980	0.0000	39
40	965151.3133	581014.2402	0.0000	40
41	970164.0098	581009.8980	0.0000	41
42	970449.3740	583189.6353	0.0000	42
43	972043.0220	586437.4340	0.0000	43
44	968202.6013	586417.7464	0.0000	44
46	980777.5133	586560.0079	0.0000	46
47	982390.4781	586569.2552	0.0000	47
48	983597.2964	586560.2056	0.0000	48
49	984503.6503	586610.1244	0.0000	49
50	986374.7392	586505.5467	0.0000	50
51	986351.6635	585177.5843	0.0000	51
52	983955.8824	579060.8464	0.0000	52
53	981466.0380	578011.7823	0.0000	53
54	976058.9443	577739.9679	0.0000	54
55	960217.3317	578408.4720	0.0000	55
56	954607.7933	575772.3463	0.0000	56
62	1002061.3509	596269.9541	0.0000	62
63	1001988.8460	593125.4544	0.0000	63
65	1002012.7451	586482.8552	0.0000	65
100	981047.4377	580014.8787	0.0000	100 NOT OUR TGT
101	960290.9332	575908.3614	0.0000	101 FOUND PT
124	932449.8028	583272.9072	0.0000	24 "A"
201	968927.0463	582729.5968	0.0000	AF 1
202	993156.0991	589887.7135	0.0000	AF 2
203	994132.9608	587214.9931	0.0000	AF 3

204	995112.4018	583829.3152	0.0000	AF 4
211	981370.8358	579635.0482	0.0000	AF 11
213	981069.5059	582846.2804	0.0000	AF 13
221	960302.9248	576811.4347	0.0000	AF 21
222	961109.8750	574988.4011	0.0000	AF 22
223	960140.0943	579705.8964	0.0000	AF 23
227	969578.8314	579495.3734	0.0000	AF 27
228	957253.7890	577632.2036	0.0000	AF 28
229	949308.3824	579232.0379	0.0000	AF 29
233	949099.1295	582194.3385	0.0000	AF 33
235	938741.9302	579100.7059	0.0000	AF 35
237	933518.2539	584357.8696	0.0000	AF 37
239	922921.5743	584509.0350	0.0000	AF 39
240	922922.8155	582959.8300	0.0000	AF 40
241	922931.8157	581788.7727	0.0000	AF 41
244	917590.8042	582771.7353	0.0000	AF 44
245	917726.8797	584680.9793	0.0000	AF 45
246	912571.5343	584902.9334	0.0000	AF 46
247	907287.9575	584806.1911	0.0000	AF 47
248	907216.2380	582832.8727	0.0000	AF 48
250	959935.4777	582780.2238	0.0000	AF 50
252	912482.9291	583003.2842	0.0000	AF 52
254	912405.3171	579509.9214	0.0000	AF 54
255	917687.6746	578477.6538	0.0000	AF 55
259	960150.4938	582742.2133	0.0000	AF 59
261	975581.4651	583913.4281	0.0000	AF 61
268	967871.2025	575775.3653	0.0000	N 128
269	968236.5109	577426.1502	0.0000	AF 69
270	981288.0413	580708.1765	0.0000	AF 70
271	981106.6864	585753.6835	0.0000	AF 71
290	923539.9774	581627.0853	0.0000	AF 90
291	918940.2382	581164.2287	0.0000	AF 91
293	912464.9373	581878.0520	0.0000	AF 93
294	938821.4863	579122.3089	0.0000	AF 94
295	938805.7318	581380.3959	0.0000	AF 95
297	938802.7751	582127.8184	0.0000	NW APRON PT AF97
298	938803.3600	582157.0518	0.0000	NE APRON PT AF98
299	938808.3965	582037.1355	0.0000	AF 99
300	907108.5062	581163.9602	0.0000	AF 100
301	907273.4398	583480.7846	0.0000	AF 101
302	907132.5887	579319.1009	0.0000	AF 102
303	912540.2274	583592.6066	0.0000	AF 103
304	912375.5527	579956.9466	0.0000	AF 104
305	907275.4880	575880.3134	0.0000	AF 105
511	985108.2177	582002.7904	0.0000	51 A POL
523	980490.8578	585987.4677	0.0000	523
802	994144.5866	598709.3698	0.0000	802
804	971901.3795	583533.1976	0.0000	804
807	994252.2356	583701.0762	0.0000	807
812	950354.5394	582360.5081	0.0000	812
814	930645.2820	580388.3574	0.0000	814
815	922917.6630	583739.3555	0.0000	815

903	992369.1252	588154.9599	0.0000	903
906	972067.0751	577522.4010	0.0000	906
911	949379.1243	579842.3533	0.0000	911
7001	991491.6601	589014.1404	0.0000	10501326S4S32GPS
7002	991491.6294	589041.1669	0.0000	10401052 N4S5
7003	986488.3957	581026.7881	0.0000	40401121 NE12GPS
7004	983884.6949	580988.3136	0.0000	40401128E4S12GPS
7005	983627.2999	580988.5794	0.0000	10401074 W4S7GPS
7006	986381.3255	586523.9403	0.0000	10401071 NE7 GPS
7007	983743.9606	586533.9658	0.0000	10401078 E4S7
7008	1002077.3704	596963.0883	0.0000	10501217 SE21
7009	980998.4677	580991.4990	0.0000	10401183 NW18
7010	981253.1813	578366.0547	0.0000	40401132N4S13
7011	975976.1958	581002.0185	0.0000	40401241 NE24
7012	975712.1543	581002.7470	0.0000	10401193 NW19
7013	975975.1542	578371.6864	0.0000	40401242N4S24GPS
7014	973070.6258	581008.5120	0.0000	40401248E4S24
7015	973030.7398	581008.7576	0.0000	10401194W4S19
7016	970429.9759	581014.8011	0.0000	10401303 NW30
7017	970698.2021	581014.1634	0.0000	40401251 NE25GPS
7018	970454.8885	583798.1496	0.0000	10401302N4S30GPS
7019	970478.6319	586411.5781	0.0000	10401301 NE30GPS
7020	973134.1080	586455.5254	0.0000	10401198E4S19
7021	975789.2651	586499.3602	0.0000	10401191 NE19GPS
7022	981103.1135	586544.6982	0.0000	10401181 NE18GPS
7023	965432.5722	575762.3589	0.0000	40401351 NE35GPS
7024	960135.6102	581012.7887	0.0000	40301011 NE1 GPS
7025	960144.3668	578398.8353	0.0000	40301012 N4S1GPS
7026	960152.9364	575785.2231	0.0000	40301013 NW1 GPS
7027	965150.7151	580990.0393	0.0000	10401313 NW31
7028	954623.4342	575772.8156	0.0000	40301015 SW1
7029	957241.6175	581015.4429	0.0000	40301018 E4S1GPS
7030	949294.7966	581031.5617	0.0000	10301075 SW7 GPS
7031	944035.0066	578422.7559	0.0000	40301242N4S24GPS
7032	944011.8996	581051.1089	0.0000	40301241 NE24GPS
7033	944057.3261	575768.7041	0.0000	40301243 NW24GPS
7034	941419.9311	575773.8550	0.0000	40301244W4S24GPS
7035	938783.0085	575780.1870	0.0000	40301245 SW24GPS
7036	946700.3051	575768.3990	0.0000	40301134W4S13GPS
7037	936148.4350	575781.2106	0.0000	40301254W4S25GPS
7038	933513.8189	575781.7946	0.0000	40301255 SW25GPS
7039	930885.5151	575784.9934	0.0000	40301364W4S36GPS
7040	928257.1588	575787.9134	0.0000	40301365 SW36GPS
7041	933512.6148	583698.1463	0.0000	10301312N4S31GPS
7042	933455.1476	581071.0761	0.0000	10301313 NW31GPS
7043	936095.4876	581066.9308	0.0000	40301258E4S25
7044	938736.0007	581062.8970	0.0000	40301251 NE25GPS
7045	938757.9954	582382.3291	0.0000	10301300 16TH
7046	938759.3340	578421.5157	0.0000	40301252N4S25GPS
7047	922985.2231	575914.6358	0.0000	40201123 NW12GPS
7048	920348.4777	575903.0971	0.0000	40201124W4S12GPS
7049	922966.1614	578497.2441	0.0000	40201122N4S12GPS

7050	922947.1686	581080.5282	0.0000	40201121 NE12GPS
7051	925560.8424	581088.7653	0.0000	40301018 E4S1
7052	928173.5085	581096.4906	0.0000	40301011 NE1
7053	928215.2887	578441.9062	0.0000	40301012 N4S1GPS
7054	920305.3510	581072.2184	0.0000	40201128E4S12
7055	917663.5419	581063.7772	0.0000	40201131 NE13
7056	915141.5808	581121.9833	0.0000	40201138E4S13
7057	912510.1146	583597.8457	0.0000	10201192N4S19
7058	912396.3799	581104.4977	0.0000	40201241 NE24
7059	907153.9431	578595.8076	0.0000	40201246S4S24
7060	907139.6351	581104.3378	0.0000	40201247 SE24
7061	912410.2608	578489.6472	0.0000	40201242N4S24
7062	917711.7421	575891.9948	0.0000	40201133 NW13GPS
7063	915068.4908	575877.8051	0.0000	40201134W4S13GPS
7064	912424.6224	575863.6435	0.0000	40201243 NW24
7065	909821.1430	575882.1992	0.0000	40201244W4S24
7066	907217.5337	575901.4224	0.0000	40201245 SW24
7067	917663.3980	578449.6659	0.0000	40201132N4S13
7068	907383.6643	583505.1898	0.0000	10201196S4S19
7069	991502.2176	586372.4187	0.0000	10401061 NE6
7070	949343.5138	575768.4875	0.0000	40301141 NE14GPS
8001	991865.3156	581335.2450	0.0000	R-366 NGS
9001	917127.2113	564284.5046	0.0000	LITCHFIELD NGS92
9002	1003121.8996	597764.8196	0.0000	WHITEWAY NGS(92)
9003	1025013.9140	606883.1660	0.0000	WHITE
9004	1009872.5886	563344.4849	0.0000	PRINCE NGS(92)
9005	985004.7933	572477.7067	0.0000	MAC NGS(92)
9006	991942.7395	581293.1201	0.0000	JOE NGS(92)
9007	910022.7493	577111.4567	0.0000	HEATH NGS(92)
9008	910724.0258	577764.4452	0.0000	HEATH RM3 NGS(92
9009	1001781.9554	584137.0308	0.0000	AGUA NGS(92)
9010	912659.1690	591508.3380	0.0000	M123
9011	912393.7590	581102.7420	0.0000	M122
9012	912422.2430	575861.8080	0.0000	M121
9013	923128.8850	591595.7820	0.0000	M115
9014	922944.8270	581078.7530	0.0000	M114
9015	922963.8200	578495.5200	0.0000	M113
9016	928321.3160	591600.9690	0.0000	M112
9017	944320.6280	596936.1420	0.0000	R012
9018	917124.8030	564282.8410	0.0000	R010
9999	950354.5516	582360.5039	0.0000	812

Least Squares Adjustment Results

=== Least Squares Adjustment ===
Tripod Data Systems
Thu Jun 15 16:25:58 1995

==========
Initial Report
==========

95010.LS5 (2D) Last modified on: Thu Jun 15 16:20:32 1995

484 Observations
135 Variable points
270 Unknowns
214 Degrees of Freedom

Initial Coordinates
==========

Point	Northing	Easting
7	905477.1383	575339.3071
8	907316.5723	575841.4160
10	922956.1911	578497.3559
11	922937.2441	581080.9497
13	916349.5811	581064.0747
15	912437.6537	580093.2205
16	907190.5178	581080.1714
19	928129.4615	581027.4076
20	928248.8812	578613.6870
21	926299.0963	575252.2639
22	923040.8095	574866.3360
23	929297.1509	583709.3197
24	932445.3540	583271.5244
25	933817.8702	581845.9136
26	934411.7702	581157.6470
27	938428.5809	581528.3691
28	938760.8253	581394.6126
29	940231.2051	580723.9723
30	943991.6021	581763.6158
35	948936.9517	581203.5897
36	952113.9722	580901.8592
38	954570.0310	580985.6544
39	957192.0943	580981.7976
40	965151.3216	581014.2441
41	970164.0263	581009.9483
42	970449.3505	583189.6409
43	972043.0178	586437.3876
44	968202.6013	586417.7631
46	980777.5137	586560.0042
47	982390.4788	586569.2273
48	983597.2990	586560.1804
49	984503.6546	586610.1081

50	986374.7371	586505.5405
51	986351.6831	585177.5731
52	983955.8786	579060.8465
53	981466.0358	578011.7728
54	976058.9409	577739.9726
55	960217.3273	578408.4713
56	954607.8836	575772.3108
62	1002061.4635	596269.9341
63	1001988.9897	593125.4356
65	1002012.7508	586482.8419
100	981047.4376	580014.8616
101	960290.9375	575908.3657
124	932449.7928	583272.9168
201	968926.9452	582729.8273
202	993156.0986	589887.7215
203	994132.9606	587214.9933
204	995112.4015	583829.3172
211	981370.8412	579635.0205
213	981069.5096	582846.2812
221	960302.9191	576811.4066
222	961109.5086	574988.5044
223	960140.0442	579705.8962
227	969578.7107	579495.6274
228	957253.9515	577631.9805
229	949308.2703	579232.1268
233	949098.9228	582194.4212
235	938741.9302	579100.7059
237	933518.2402	584357.8827
239	922921.5848	584509.0716
240	922922.8027	582959.8666
241	922931.7852	581788.8091
244	917590.7731	582771.8552
245	917726.8072	584681.1021
246	912571.4909	584902.9399
247	907287.9296	584806.1830
248	907216.2170	582832.8643
250	959935.5181	582780.0644
252	912482.8955	583003.2903
254	912405.3032	579509.9263
255	917687.6576	578477.7740
259	960150.6862	582742.3857
261	975581.5767	583913.5148
268	967871.2024	575775.3787
269	968236.4230	577426.2289
270	981288.0473	580708.1531
271	981106.6796	585753.6551
290	923539.9444	581627.1125
291	918940.2124	581164.3530
293	912464.9094	581878.0580
294	938821.4863	579122.3089
295	938805.7318	581380.3959
297	938802.7751	582127.8184

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298	938803.3600	582157.0518
299	938808.3965	582037.1355
300	907108.4910	581163.9515
301	907273.4095	583480.7710
302	907132.5723	579319.0947
303	912540.1830	583592.6097
304	912375.5373	579956.9514
305	907275.4809	575880.3127
511	985108.2362	582002.7817
523	980490.8819	585987.4321
802	994144.8079	598709.3253
804	971901.2771	583533.4120
807	994252.1725	583701.1018
812	950354.5457	582360.5062
814	930645.5036	580388.3273
815	922917.9388	583739.3646
903	992369.1862	588154.9425
906	972066.9869	577522.6392
911	949379.2141	579842.4295
*7001	991491.6601	589014.1404
7002	991491.6292	589041.1742
*7003	986488.3957	581026.7881
*7004	983884.6949	580988.3136
*7005	983627.2999	580988.5794
*7006	986381.3255	586523.9403
7007	983743.9632	586533.9409
7008	1002077.4231	596963.0737
7009	980998.4701	580991.4788
7010	981253.1779	578366.0445
7011	975976.2010	581002.0234
7012	975712.1595	581002.7526
*7013	975975.1542	578371.6864
7014	973070.6310	581008.5245
7015	973030.7450	581008.7703
7016	970430.0705	581014.9000
*7017	970698.2021	581014.1634
*7018	970454.8885	583798.1496
*7019	970478.6319	586411.5781
7020	973134.1044	586455.4468
*7021	975789.2651	586499.3602
*7022	981103.1135	586544.6982
*7023	965432.5722	575762.3589
*7024	960135.6102	581012.7887
*7025	960144.3668	578398.8353
*7026	960152.9364	575785.2231
7027	965150.8739	580989.9139
7028	954623.5246	575772.7803
*7029	957241.6175	581015.4429
*7030	949294.7966	581031.5617
*7031	944035.0066	578422.7559
*7032	944011.8996	581051.1089
*7033	944057.3261	575768.7041

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*7034	941419.9311	575773.8550
*7035	938783.0085	575780.1870
*7036	946700.3051	575768.3990
*7037	936148.4350	575781.2106
*7038	933513.8189	575781.7946
*7039	930885.5151	575784.9934
*7040	928257.1588	575787.9134
*7041	933512.6148	583698.1463
*7042	933455.1476	581071.0761
7043	936095.4923	581066.8434
*7044	938736.0007	581062.8970
7045	938757.9632	582382.2844
*7046	938759.3340	578421.5157
*7047	922985.2231	575914.6358
*7048	920348.4777	575903.0971
*7049	922966.1614	578497.2441
*7050	922947.1686	581080.5282
7051	925560.8739	581088.7680
7052	928173.5301	581096.4977
*7053	928215.2887	578441.9062
7054	920305.3880	581072.2561
7055	917663.5727	581063.8982
7056	915141.6006	581122.0671
7057	912510.0589	583597.8507
7058	912396.3900	581104.5084
7059	907153.9569	578595.7762
7060	907139.6227	581104.3242
7061	912410.2588	578489.6536
*7062	917711.7421	575891.9948
*7063	915068.4908	575877.8051
7064	912424.6206	575863.6400
7065	909821.1364	575882.1852
7066	907217.5254	575901.4223
7067	917663.3980	578449.6659
7068	907383.6338	583505.1770
7069	991502.2196	586372.4173
*7070	949343.5138	575768.4875
8001	991865.0883	581335.3710
*9002	1003121.8996	597764.8196
*9005	985004.7933	572477.7067
*9006	991942.7395	581293.1201
*9007	910022.7493	577111.4567
*9008	910724.0258	577764.4452
*9009	1001781.9554	584137.0308

Distances
=========

From	To	Distance	Accuracy
9009	903	10234.296	+- 0.020 + 5ppm
9009	9006	10241.938	+- 0.020 + 5ppm
9006	903	6874.850	+- 0.020 + 5ppm
903	9009	10234.296	+- 0.020 + 5ppm

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903	7002	1247.173	+-	0.020	+	5ppm
7002	7001	27.076	+-	0.020	+	5ppm
9006	7002	7761.139	+-	0.020	+	5ppm
9006	9005	11217.893	+-	0.020	+	5ppm
9005	903	17320.408	+-	0.020	+	5ppm
903	9006	6874.850	+-	0.020	+	5ppm
9006	7003	5460.932	+-	0.020	+	5ppm
7003	7002	9447.994	+-	0.020	+	5ppm
7002	9006	7761.139	+-	0.020	+	5ppm
7002	903	1247.173	+-	0.020	+	5ppm
903	8001	6838.404	+-	0.020	+	5ppm
8001	9006	88.472	+-	0.020	+	5ppm
903	7001	1228.061	+-	0.020	+	5ppm
7001	51	6413.896	+-	0.020	+	5ppm
51	49	2338.190	+-	0.020	+	5ppm
51	511	3409.519	+-	0.020	+	5ppm
511	52	3159.485	+-	0.020	+	5ppm
52	7004	1928.709	+-	0.020	+	5ppm
52	7005	1955.705	+-	0.020	+	5ppm
52	53	2701.792	+-	0.020	+	5ppm
7003	523	7782.503	+-	0.020	+	5ppm
49	48	907.703	+-	0.020	+	5ppm
49	50	1874.002	+-	0.020	+	5ppm
50	51	1328.137	+-	0.020	+	5ppm
50	7006	19.517	+-	0.020	+	5ppm
48	47	1206.824	+-	0.020	+	5ppm
48	7007	148.993	+-	0.020	+	5ppm
47	46	1612.975	+-	0.020	+	5ppm
9006	807	3336.370	+-	0.020	+	5ppm
9009	65	2357.097	+-	0.020	+	5ppm
65	63	6642.598	+-	0.020	+	5ppm
65	63	6642.598	+-	0.020	+	5ppm
63	62	3145.312	+-	0.020	+	5ppm
62	7008	693.299	+-	0.020	+	5ppm
7008	9002	1316.688	+-	0.020	+	5ppm
9002	7008	1316.688	+-	0.020	+	5ppm
63	62	3145.312	+-	0.020	+	5ppm
53	100	2046.347	+-	0.020	+	5ppm
100	7009	977.833	+-	0.020	+	5ppm
53	7010	413.300	+-	0.020	+	5ppm
53	54	5413.827	+-	0.020	+	5ppm
54	7011	3263.100	+-	0.020	+	5ppm
54	7012	3281.157	+-	0.020	+	5ppm
54	7013	637.247	+-	0.020	+	5ppm
54	7014	4428.705	+-	0.020	+	5ppm
54	7015	4455.896	+-	0.020	+	5ppm
54	41	6741.073	+-	0.020	+	5ppm
41	42	2198.230	+-	0.020	+	5ppm
41	7016	265.921	+-	0.020	+	5ppm
41	40	5012.565	+-	0.020	+	5ppm
41	7017	534.267	+-	0.020	+	5ppm
42	7018	608.456	+-	0.020	+	5ppm

42	7019	3222.126	+-	0.020	+	5ppm
7019	44	2276.039	+-	0.020	+	5ppm
7019	43	1564.642	+-	0.020	+	5ppm
43	7020	1091.236	+-	0.020	+	5ppm
43	7021	3746.829	+-	0.020	+	5ppm
7021	46	4988.574	+-	0.020	+	5ppm
46	7022	325.968	+-	0.020	+	5ppm
46	47	1612.975	+-	0.020	+	5ppm
903	807	4835.454	+-	0.020	+	5ppm
903	807	4835.454	+-	0.020	+	5ppm
903	802	10702.702	+-	0.020	+	5ppm
903	804	20983.086	+-	0.020	+	5ppm
903	906	22917.828	+-	0.020	+	5ppm
906	804	6013.055	+-	0.020	+	5ppm
906	911	22805.914	+-	0.020	+	5ppm
911	814	18741.551	+-	0.020	+	5ppm
814	815	8422.834	+-	0.020	+	5ppm
815	7047	7825.014	+-	0.020	+	5ppm
40	7024	5015.570	+-	0.020	+	5ppm
7024	39	2943.581	+-	0.020	+	5ppm
7024	55	2605.536	+-	0.020	+	5ppm
55	7025	73.609	+-	0.020	+	5ppm
55	101	2501.131	+-	0.020	+	5ppm
101	7026	184.928	+-	0.020	+	5ppm
523	211	6413.133	+-	0.020	+	5ppm
39	38	2621.993	+-	0.020	+	5ppm
38	56	5213.481	+-	0.020	+	5ppm
56	7028	15.648	+-	0.020	+	5ppm
39	7029	59.866	+-	0.020	+	5ppm
38	36	2457.417	+-	0.020	+	5ppm
36	35	3191.235	+-	0.020	+	5ppm
35	7031	5635.729	+-	0.020	+	5ppm
7031	29	4445.658	+-	0.020	+	5ppm
29	27	1973.948	+-	0.020	+	5ppm
29	7032	3794.762	+-	0.020	+	5ppm
7032	30	712.796	+-	0.020	+	5ppm
35	7030	397.052	+-	0.020	+	5ppm
7031	7033	2654.045	+-	0.020	+	5ppm
7033	7036	2642.975	+-	0.020	+	5ppm
7033	7034	2637.286	+-	0.020	+	5ppm
7034	7035	2636.866	+-	0.020	+	5ppm
7035	7037	2634.506	+-	0.020	+	5ppm
7035	27	5759.036	+-	0.020	+	5ppm
7037	7038	2634.531	+-	0.020	+	5ppm
7038	7039	2628.257	+-	0.020	+	5ppm
7039	7040	2628.282	+-	0.020	+	5ppm
7040	20	2825.699	+-	0.020	+	5ppm
20	19	2416.638	+-	0.020	+	5ppm
19	23	2925.079	+-	0.020	+	5ppm
23	24	3178.517	+-	0.020	+	5ppm
24	7041	1149.453	+-	0.020	+	5ppm
24	25	1978.702	+-	0.020	+	5ppm

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25	7042	855.475	+-	0.020	+	5ppm
25	26	909.048	+-	0.020	+	5ppm
26	7042	960.565	+-	0.020	+	5ppm
26	7043	1686.185	+-	0.020	+	5ppm
7043	27	2378.314	+-	0.020	+	5ppm
27	7044	557.864	+-	0.020	+	5ppm
27	7035	5759.036	+-	0.020	+	5ppm
27	29	1973.948	+-	0.020	+	5ppm
27	28	358.158	+-	0.020	+	5ppm
28	7045	987.676	+-	0.020	+	5ppm
29	7046	2732.637	+-	0.020	+	5ppm
7040	21	2029.959	+-	0.020	+	5ppm
21	22	3280.987	+-	0.020	+	5ppm
22	7047	1049.727	+-	0.020	+	5ppm
7047	10	2582.854	+-	0.020	+	5ppm
10	7049	9.999	+-	0.020	+	5ppm
10	11	2583.554	+-	0.020	+	5ppm
11	7050	10.039	+-	0.020	+	5ppm
11	7051	2623.568	+-	0.020	+	5ppm
7051	19	2569.246	+-	0.020	+	5ppm
19	20	2416.638	+-	0.020	+	5ppm
20	7053	175.041	+-	0.020	+	5ppm
19	7052	81.948	+-	0.020	+	5ppm
804	906	6013.055	+-	0.020	+	5ppm
7024	7027	5015.455	+-	0.020	+	5ppm
7027	259	5298.541	+-	0.020	+	5ppm
259	222	7812.939	+-	0.020	+	5ppm
259	7024	1729.722	+-	0.020	+	5ppm
7024	7029	2893.959	+-	0.020	+	5ppm
7027	7016	5279.761	+-	0.020	+	5ppm
211	270	1076.313	+-	0.020	+	5ppm
270	271	5048.725	+-	0.020	+	5ppm
271	7022	790.935	+-	0.020	+	5ppm
270	7009	405.131	+-	0.020	+	5ppm
906	201	6080.680	+-	0.020	+	5ppm
906	227	3175.578	+-	0.020	+	5ppm
906	227	3175.478	+-	0.020	+	5ppm
906	269	3831.872	+-	0.020	+	5ppm
269	7023	3260.445	+-	0.020	+	5ppm
211	261	7198.656	+-	0.020	+	5ppm
11	7054	2631.867	+-	0.020	+	5ppm
7054	7055	2641.825	+-	0.020	+	5ppm
7055	13	1313.989	+-	0.020	+	5ppm
13	7056	1209.369	+-	0.020	+	5ppm
7056	7057	3612.914	+-	0.020	+	5ppm
7057	7058	2495.962	+-	0.020	+	5ppm
7057	15	3505.400	+-	0.020	+	5ppm
15	7056	2893.069	+-	0.020	+	5ppm
15	7057	3505.420	+-	0.020	+	5ppm
15	7058	1012.148	+-	0.020	+	5ppm
15	9007	3836.911	+-	0.020	+	5ppm
15	7059	5491.780	+-	0.020	+	5ppm

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15	16	5339.140	+-	0.020	+	5ppm
16	7060	56.327	+-	0.020	+	5ppm
16	7059	2484.673	+-	0.020	+	5ppm
15	7061	1603.762	+-	0.020	+	5ppm
7047	7048	2636.721	+-	0.020	+	5ppm
7048	7062	2636.636	+-	0.020	+	5ppm
7062	7063	2643.245	+-	0.020	+	5ppm
7063	7064	2643.855	+-	0.020	+	5ppm
7064	7065	2603.471	+-	0.020	+	5ppm
7065	8	2504.862	+-	0.020	+	5ppm
7065	9007	1245.657	+-	0.020	+	5ppm
9007	9008	958.218	+-	0.020	+	5ppm
8	7	1906.733	+-	0.020	+	5ppm
8	7066	115.815	+-	0.020	+	5ppm
7064	7061	2626.013	+-	0.020	+	5ppm
7062	7067	2558.128	+-	0.020	+	5ppm
7023	268	2438.665	+-	0.020	+	5ppm
7023	221	5235.823	+-	0.020	+	5ppm
7023	250	8914.289	+-	0.020	+	5ppm
250	7027	5514.267	+-	0.020	+	5ppm
250	7024	1778.561	+-	0.020	+	5ppm
250	7023	8914.289	+-	0.020	+	5ppm
250	228	5804.616	+-	0.020	+	5ppm
7024	223	1306.900	+-	0.020	+	5ppm
7024	250	1778.561	+-	0.020	+	5ppm
7002	202	1867.378	+-	0.020	+	5ppm
261	211	7198.656	+-	0.020	+	5ppm
906	261	7293.547	+-	0.020	+	5ppm
906	250	13221.250	+-	0.020	+	5ppm
271	523	658.764	+-	0.020	+	5ppm
523	270	5339.112	+-	0.020	+	5ppm
523	271	658.764	+-	0.020	+	5ppm
9007	300	4991.603	+-	0.020	+	5ppm
300	248	1672.386	+-	0.020	+	5ppm
300	247	3646.649	+-	0.020	+	5ppm
300	7060	67.250	+-	0.020	+	5ppm
9007	293	5355.837	+-	0.020	+	5ppm
293	246	3026.759	+-	0.020	+	5ppm
293	252	1125.376	+-	0.020	+	5ppm
293	244	5203.153	+-	0.020	+	5ppm
244	245	1914.087	+-	0.020	+	5ppm
244	291	2098.821	+-	0.020	+	5ppm
244	255	4295.174	+-	0.020	+	5ppm
244	290	6058.246	+-	0.020	+	5ppm
290	241	629.288	+-	0.020	+	5ppm
290	240	1468.706	+-	0.020	+	5ppm
290	239	2947.551	+-	0.020	+	5ppm
290	124	9060.485	+-	0.020	+	5ppm
124	23	3182.649	+-	0.020	+	5ppm
124	237	1522.738	+-	0.020	+	5ppm
124	7041	1144.668	+-	0.020	+	5ppm
7035	299	6257.000	+-	0.020	+	5ppm

299	295	656.745	+-	0.020	+ 5ppm
295	294	2258.142	+-	0.020	+ 5ppm
294	235	82.437	+-	0.020	+ 5ppm
299	298	120.022	+-	0.020	+ 5ppm
299	297	90.857	+-	0.020	+ 5ppm
7065	7064	2603.561	+-	0.020	+ 5ppm
7065	305	2545.659	+-	0.020	+ 5ppm
305	7066	61.681	+-	0.020	+ 5ppm
305	302	3441.769	+-	0.020	+ 5ppm
302	300	1845.021	+-	0.020	+ 5ppm
300	302	1845.021	+-	0.020	+ 5ppm
300	301	2322.692	+-	0.020	+ 5ppm
301	7068	112.894	+-	0.020	+ 5ppm
301	303	5267.983	+-	0.020	+ 5ppm
303	7057	30.576	+-	0.020	+ 5ppm
303	293	1716.230	+-	0.020	+ 5ppm
293	303	1716.230	+-	0.020	+ 5ppm
293	304	1923.210	+-	0.020	+ 5ppm
304	7064	4093.634	+-	0.020	+ 5ppm
7064	7065	2603.561	+-	0.020	+ 5ppm
304	7061	1467.716	+-	0.020	+ 5ppm
304	254	448.015	+-	0.020	+ 5ppm
903	7069	1982.166	+-	0.020	+ 3ppm
807	204	869.673	+-	0.020	+ 3ppm
523	213	3194.040	+-	0.020	+ 3ppm
903	203	1998.663	+-	0.020	+ 3ppm
911	812	2700.470	+-	0.020	+ 3ppm
7036	7070	2643.216	+-	0.020	+ 3ppm
7070	229	3463.729	+-	0.020	+ 3ppm
229	233	2969.682	+-	0.020	+ 3ppm

Horizontal Angles

From	At	To	Angle right	Accuracy
9002	9009	903	72.30100	+-1.0
903	9009	9006	39.14131	+-1.0
9009	9006	903	70.19250	+-1.0
9006	903	9009	70.26320	+-1.0
9006	903	7002	228.16320	+-4.2
9006	7002	7001	356.44000	+-5.4
903	9006	7002	6.53190	+-1.0
903	9006	9005	145.21070	+-1.0
9006	9005	903	13.02310	+-1.0
9005	903	9006	21.36170	+-1.0
7002	9006	7003	89.28000	+-1.0
9006	7003	7002	55.13310	+-1.0
7003	7002	9006	35.18270	+-1.0
9006	7002	903	41.23070	+-4.2
9009	903	8001	288.53540	+-1.0
903	8001	9006	245.40350	+-5.4
9009	903	7001	158.43200	+-4.2
903	7001	51	261.07590	+-4.2

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7001	51	49	105.28460	+-3.1
49	51	511	106.23350	+-4.2
51	511	52	180.00000	+-3.3
511	52	7004	23.30260	+-4.8
511	52	7005	31.03440	+-4.8
511	52	53	134.14280	+-4.0
7002	7003	523	82.22520	+-1.0
51	49	48	220.56040	+-6.7
48	49	50	173.38540	+-7.1
49	50	51	92.12160	+-6.7
49	50	7006	253.29520	+-8.0
49	48	47	176.25000	+-7.8
47	48	7007	170.17100	+-8.5
48	47	46	180.45210	+-7.1
7003	9006	807	223.23500	+-2.1
9002	9009	65	0.00000	+-3.1
9009	65	63	185.49360	+-3.1
9002	65	63	5.49230	+-1.0
65	63	62	178.28300	+-2.3
63	62	7008	180.00000	+-6.1
62	7008	9002	128.49380	+-7.9
65	9002	7008	313.07360	+-4.1
9009	63	62	180.00000	+-2.3
52	53	100	78.57230	+-5.2
53	100	7009	171.04010	+-6.9
52	53	7010	98.09040	+-6.8
52	53	54	160.01510	+-2.7
53	54	7011	88.34310	+-2.2
53	54	7012	93.11210	+-2.2
53	54	7013	94.40380	+-4.8
53	54	7014	129.33280	+-1.0
53	54	7015	129.56030	+-1.0
53	54	41	148.06180	+-1.0
54	41	42	111.33360	+-3.3
42	41	7016	278.31280	+-7.4
42	41	40	97.24320	+-3.3
40	41	7017	180.30030	+-4.9
41	42	7018	186.56000	+-7.1
41	42	7019	186.56360	+-4.5
42	7019	44	270.21540	+-4.4
42	7019	43	91.27450	+-5.1
7019	43	7020	180.00110	+-7.2
7019	43	7021	180.00030	+-4.6
43	7021	46	179.45040	+-1.7
7021	46	7022	176.36430	+-5.1
7021	46	47	179.37590	+-3.8
9009	903	807	316.01590	+-1.0
9006	903	807	26.28310	+-1.0
807	903	802	147.31550	+-1.0
802	903	804	112.16200	+-1.0
802	903	906	127.11290	+-1.0
903	906	804	63.56140	+-1.0

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903	906	911	146.31110	+-1.0
906	911	814	184.10090	+-1.0
911	814	815	158.13340	+-1.0
814	815	7047	293.56180	+-1.0
41	40	7024	180.03590	+-1.0
40	7024	39	180.35140	+-2.5
39	7024	55	91.11380	+-4.4
7024	55	7025	95.43350	+-7.2
7024	55	101	179.53230	+-4.8
55	101	7026	130.03250	+-4.8
7003	523	211	317.28540	+-1.0
7024	39	38	179.18410	+-4.3
39	38	56	270.30010	+-2.8
38	56	7028	271.18120	+-5.4
38	39	7029	214.16330	+-7.2
39	38	36	182.02150	+-4.8
38	36	35	172.37120	+-4.3
36	35	7031	214.59280	+-2.3
35	7031	29	119.15250	+-1.0
7031	29	27	187.07240	+-3.5
27	29	7032	208.59350	+-4.1
29	7032	30	266.41110	+-5.4
7031	35	7030	124.45330	+-5.1
29	7031	7033	121.39270	+-2.8
7031	7033	7036	269.30440	+-4.6
7031	7033	7034	89.24290	+-4.6
7033	7034	7035	179.58310	+-4.6
7034	7035	7037	180.06360	+-4.6
7037	7035	27	273.33090	+-2.8
7035	7037	7038	180.00180	+-4.6
7037	7038	7039	179.56580	+-4.6
7038	7039	7040	180.00080	+-4.6
7039	7040	20	90.13530	+-4.4
7040	20	19	182.39450	+-4.7
20	19	23	153.38200	+-4.6
19	23	24	105.36330	+-3.8
23	24	7041	209.42040	+-5.6
23	24	25	141.49490	+-4.7
24	25	7042	110.59560	+-7.1
24	25	26	176.52490	+-7.0
25	26	7042	54.22460	+-8.0
25	26	7043	226.07330	+-7.3
26	7043	27	194.16500	+-5.8
7043	27	7044	112.15100	+-7.0
7043	27	7035	82.20280	+-3.1
7043	27	29	144.45530	+-5.5
7043	27	28	146.52530	+-7.2
27	28	7045	292.05420	+-8.6
27	29	7046	81.27420	+-5.2
20	7040	21	105.08080	+-5.0
7040	21	22	171.27240	+-4.6
21	22	7047	86.16410	+-5.6

22	7047	10	177.36260	+-6.3
7047	10	7049	88.42480	+-7.3
7047	10	11	179.46550	+-4.7
10	11	7050	87.08520	+-7.3
10	11	7051	89.45230	+-4.7
11	7051	19	178.27490	+-4.7
7051	19	20	94.12030	+-4.9
19	20	7053	166.06100	+-7.3
20	19	7052	144.38100	+-7.4
903	804	906	258.51150	+-1.0
7029	7024	7027	179.47200	+-2.6
7024	7027	259	340.56500	+-1.0
7027	259	222	296.21530	+-1.0
222	259	7024	352.27080	+-3.7
259	7024	7029	90.27030	+-5.3
259	7027	7016	199.34360	+-1.0
523	211	270	356.31340	+-4.4
211	270	271	177.38510	+-4.4
270	271	7022	178.11500	+-4.7
271	270	7009	43.33590	+-5.0
804	906	201	29.30420	+-1.0
804	906	227	50.00340	+-2.3
804	906	227	50.00340	+-2.3
804	906	269	89.51290	+-1.6
906	269	7023	209.14240	+-2.8
523	211	261	45.38550	+-1.0
10	11	7054	269.46270	+-4.7
11	7054	7055	179.59490	+-4.6
7054	7055	13	179.48570	+-5.9
7055	13	7056	177.15500	+-7.4
13	7056	7057	139.30000	+-5.1
7056	7057	7058	310.38290	+-3.8
7056	7057	15	312.04180	+-2.8
7057	15	7056	292.00470	+-3.5
7056	15	7057	67.59130	+-3.5
7058	15	7058	0.00000	+-1.0
7056	15	9007	210.09550	+-3.2
7056	15	7059	174.59270	+-2.6
7056	15	16	148.31080	+-2.6
15	16	7060	165.15550	+-5.4
15	16	7059	279.48330	+-3.0
7056	15	7061	248.11220	+-5.4
22	7047	7048	267.12570	+-6.2
7047	7048	7062	179.59080	+-4.6
7048	7062	7063	180.03480	+-4.6
7062	7063	7064	179.59540	+-4.6
7063	7064	7065	179.16530	+-4.6
7064	7065	8	181.20150	+-4.8
8	7065	9007	259.45130	+-6.2
7065	9007	9008	142.16150	+-7.7
7065	8	7	194.20070	+-5.5
7	8	7066	313.31220	+-7.9

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7065	7064	7061	270.43190	+-4.6
7063	7062	7067	270.46310	+-4.7
269	7023	268	329.37050	+-4.2
268	7023	221	168.08100	+-3.0
268	7023	250	127.45510	+-3.0
7023	250	7027	32.58360	+-1.0
7023	250	7024	328.23050	+-3.7
906	250	7023	331.30120	+-1.0
906	250	228	265.54580	+-1.0
7027	7024	223	270.27280	+-4.1
223	7024	250	186.16020	+-6.8
7003	7002	202	148.56010	+-3.6
906	261	211	82.20290	+-1.0
804	906	261	329.36540	+-1.0
804	906	250	64.59220	+-1.0
270	271	523	247.09100	+-4.8
211	523	270	0.42000	+-1.0
211	523	271	61.19280	+-4.8
9008	9007	300	82.45500	+-4.5
9007	300	248	140.35090	+-3.8
9007	300	247	141.27310	+-1.8
9007	300	7060	351.50540	+-5.4
9008	9007	293	19.54580	+-4.5
9007	293	246	205.06370	+-2.4
9007	293	252	206.12450	+-4.3
9007	293	244	127.01060	+-1.0
293	244	245	256.02000	+-3.5
293	244	291	120.07100	+-3.4
291	244	255	321.16490	+-3.4
291	244	290	39.05400	+-3.4
244	290	241	356.00090	+-4.8
244	290	240	305.44190	+-4.0
244	290	239	293.00060	+-2.5
244	290	124	201.21230	+-1.0
290	124	23	341.39060	+-2.3
23	124	237	233.19140	+-5.2
23	124	7041	209.41140	+-5.6
7038	7035	299	269.47060	+-1.0
7035	299	295	0.00000	+-4.8
7035	295	294	0.37560	+-3.2
295	294	235	104.47320	+-7.6
7035	299	298	182.38150	+-5.3
7035	299	297	183.46470	+-5.4
9007	7065	7064	278.54300	+-6.1
7064	7065	305	180.27000	+-4.8
7065	305	7066	159.56400	+-7.3
7065	305	302	92.20040	+-3.9
305	302	300	178.22000	+-4.6
9007	300	302	325.01390	+-3.6
9007	300	301	140.12270	+-3.1
300	301	7068	106.33240	+-7.5
300	301	303	95.17190	+-3.1

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301	303	7057	348.54500	+-5.4
301	303	293	86.16100	+-3.7
9007	293	303	204.36530	+-3.7
303	293	304	179.51010	+-6.3
293	304	7064	183.21010	+-3.9
304	7064	7065	88.54170	+-3.2
7064	304	7061	0.40080	+-4.3
7064	304	254	3.07210	+-5.4
9006	903	7069	337.37140	+-3.5
9006	807	204	142.17020	+-4.6
211	523	213	2.33030	+-2.3
9006	903	203	65.30075	+-3.5
906	911	812	74.39520	+-2.7
7033	7036	7070	180.00378	+-4.6
7036	7070	229	270.34452	+-3.8
7070	229	233	183.27340	+-3.5

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Final Report
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Solution converged in 11 iterations

Adjusted Distances
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From	To	Distance	Residual
9009	903	10234.507	-0.21069
9009	9006	10241.972	-0.03435
9006	903	6875.075	-0.22460
903	9009	10234.507	-0.21069
903	7002	1247.141	+0.03163
7002	7001	27.027	+0.04949
9006	7002	7761.168	-0.02904
9006	9005	11218.138	-0.24459
9005	903	17320.787	-0.37874
903	9006	6875.075	-0.22460
9006	7003	5460.842	+0.08966
7003	7002	9447.889	+0.10456
7002	9006	7761.168	-0.02904
7002	903	1247.141	+0.03163
903	8001	6838.299	+0.10481
8001	9006	88.142	+0.33023
903	7001	1228.062	-0.00090
7001	51	6413.948	-0.05193
51	49	2338.231	-0.04144
51	511	3409.615	-0.09591
511	52	3159.575	-0.08955
52	7004	1928.781	-0.07238
52	7005	1955.536	+0.16899
52	53	2701.825	-0.03339
7003	523	7783.239	-0.73558
49	48	907.727	-0.02448
49	50	1874.009	-0.00712
50	51	1328.163	-0.02586
50	7006	19.537	-0.02025
48	47	1206.852	-0.02825
48	7007	148.993	+0.00000
47	46	1612.991	-0.01634
9006	807	3336.469	-0.09890
9009	65	2357.150	-0.05293
65	63	6642.642	-0.04425
65	63	6642.642	-0.04425
63	62	3145.336	-0.02351
62	7008	693.319	-0.02029
7008	9002	1316.744	-0.05579
9002	7008	1316.744	-0.05579
63	62	3145.336	-0.02351
53	100	2046.368	-0.02083
100	7009	977.847	-0.01431
53	7010	413.300	+0.00000

53	54	5413.921	-0.09438
54	7011	3263.100	+0.00000
54	7012	3281.157	+0.00000
54	7013	637.251	-0.00420
54	7014	4428.705	+0.00000
54	7015	4455.896	+0.00000
54	41	6741.120	-0.04686
41	42	2198.337	-0.10737
41	7016	266.011	-0.09033
41	40	5012.698	-0.13329
41	7017	534.209	+0.05763
42	7018	608.539	-0.08331
42	7019	3222.076	+0.05033
7019	44	2276.039	+0.00000
7019	43	1564.604	+0.03824
43	7020	1091.236	+0.00000
43	7021	3746.755	+0.07411
7021	46	4988.617	-0.04285
46	7022	325.960	+0.00806
46	47	1612.991	-0.01634
903	807	4835.616	-0.16197
903	807	4835.616	-0.16197
903	802	10702.702	+0.00000
903	804	20983.072	+0.01423
903	906	22917.778	+0.05000
906	804	6013.080	-0.02498
906	911	22806.255	-0.34145
911	814	18741.797	-0.24636
814	815	8422.902	-0.06834
815	7047	7825.011	+0.00269
40	7024	5015.703	-0.13335
7024	39	2943.680	-0.09885
7024	55	2605.599	-0.06255
55	7025	73.598	+0.01052
55	101	2501.194	-0.06272
101	7026	184.949	-0.02097
523	211	6413.080	+0.05301
39	38	2622.085	-0.09201
38	56	5213.481	+0.00000
56	7028	15.648	+0.00000
39	7029	59.872	-0.00561
38	36	2457.504	-0.08713
36	35	3191.344	-0.10902
35	7031	5635.752	-0.02287
7031	29	4445.734	-0.07579
29	27	1973.968	-0.02000
29	7032	3794.772	-0.01024
7032	30	712.796	+0.00000
35	7030	397.126	-0.07356
7031	7033	2654.146	-0.10065
7033	7036	2642.979	-0.00402
7033	7034	2637.400	-0.11403

7034	7035	2636.930	-0.06420
7035	7037	2634.574	-0.06770
7035	27	5759.148	-0.11174
7037	7038	2634.616	-0.08516
7038	7039	2628.306	-0.04875
7039	7040	2628.358	-0.07592
7040	20	2825.784	-0.08472
20	19	2416.669	-0.03042
19	23	2925.107	-0.02838
23	24	3178.492	+0.02481
24	7041	1149.398	+0.05547
24	25	1978.854	-0.15227
25	7042	855.542	-0.06748
25	26	909.071	-0.02312
26	7042	960.521	+0.04385
26	7043	1686.180	+0.00512
7043	27	2378.314	-0.00019
27	7044	557.860	+0.00447
27	7035	5759.148	-0.11174
27	29	1973.968	-0.02000
27	28	358.158	+0.00000
28	7045	987.676	+0.00000
29	7046	2732.802	-0.16458
7040	21	2030.002	-0.04262
21	22	3281.057	-0.06961
22	7047	1049.746	-0.01946
7047	10	2582.884	-0.02971
10	7049	9.992	+0.00673
10	11	2583.665	-0.11098
11	7050	9.977	+0.06242
11	7051	2623.653	-0.08506
7051	19	2569.331	-0.08497
19	20	2416.669	-0.03052
20	7053	175.032	+0.00892
19	7052	81.948	+0.00000
804	906	6013.080	-0.02498
7024	7027	5015.156	+0.29853
7027	259	5298.332	+0.20863
259	222	7812.939	+0.00000
259	7024	1729.489	+0.23339
7024	7029	2893.994	-0.03492
7027	7016	5279.319	+0.44210
211	270	1076.317	-0.00447
270	271	5048.765	-0.04020
271	7022	791.023	-0.08800
270	7009	405.123	+0.00818
906	201	6080.680	+0.00000
906	227	3175.528	+0.05020
906	227	3175.528	-0.05020
906	269	3831.773	+0.09881
269	7023	3260.410	+0.03491
211	261	7198.705	-0.04864

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11	7054	2631.865	+0.00248
7054	7055	2641.823	+0.00248
7055	13	1313.987	+0.00157
13	7056	1209.368	+0.00129
7056	7057	3613.102	-0.18845
7057	7058	2495.941	+0.02128
7057	15	3505.392	+0.00782
15	7056	2893.023	+0.04594
15	7057	3505.392	+0.02782
15	7058	1012.137	+0.01063
15	9007	3837.004	-0.09287
15	7059	5491.798	-0.01844
15	16	5339.152	-0.01219
16	7060	56.331	-0.00401
16	7059	2484.648	+0.02477
15	7061	1603.789	-0.02733
7047	7048	2636.771	-0.04965
7048	7062	2636.759	-0.12297
7062	7063	2643.289	-0.04439
7063	7064	2643.906	-0.05132
7064	7065	2603.546	-0.07457
7065	8	2504.888	-0.02603
7065	9007	1245.680	-0.02320
9007	9008	958.219	-0.00051
8	7	1906.733	+0.00000
8	7066	115.812	+0.00250
7064	7061	2626.043	-0.02995
7062	7067	2558.128	+0.00000
7023	268	2438.665	+0.00000
7023	221	5235.823	+0.00000
7023	250	8914.509	-0.22026
250	7027	5513.933	+0.33365
250	7024	1778.730	-0.16885
250	7023	8914.509	-0.21996
250	228	5804.616	+0.00000
7024	223	1306.900	+0.00000
7024	250	1778.730	-0.16885
7002	202	1867.378	+0.00000
261	211	7198.705	-0.04864
906	261	7293.570	-0.02311
906	250	13221.965	-0.71485
271	523	658.711	+0.05322
523	270	5339.140	-0.02810
523	271	658.711	+0.05322
9007	300	4991.553	+0.05041
300	248	1672.386	+0.00000
300	247	3646.649	+0.00000
300	7060	67.259	-0.00945
9007	293	5355.811	+0.02583
293	246	3026.759	+0.00000
293	252	1125.376	+0.00000
293	244	5203.190	-0.03656

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244	245	1914.087	+0.00000
244	291	2098.821	+0.00000
244	255	4295.174	+0.00000
244	290	6058.291	-0.04460
290	241	629.288	+0.00000
290	240	1468.706	+0.00000
290	239	2947.551	+0.00000
290	124	9060.558	-0.07344
124	23	3182.715	-0.06550
124	237	1522.738	+0.00000
124	7041	1144.726	-0.05801
7035	299	6257.000	+0.00000
299	295	656.745	+0.00000
295	294	2258.142	+0.00000
294	235	82.437	+0.00000
299	298	120.022	+0.00000
299	297	90.857	+0.00000
7065	7064	2603.546	+0.01543
7065	305	2545.656	+0.00336
305	7066	61.679	+0.00207
305	302	3441.755	+0.01372
302	300	1845.017	+0.00449
300	302	1845.017	+0.00449
300	301	2322.688	+0.00429
301	7068	112.894	+0.00000
301	303	5267.974	+0.00853
303	7057	30.565	+0.01090
303	293	1716.207	+0.02315
293	303	1716.207	+0.02315
293	304	1923.184	+0.02625
304	7064	4093.597	+0.03679
7064	7065	2603.546	+0.01543
304	7061	1467.710	+0.00613
304	254	448.015	+0.00000
903	7069	1982.166	+0.00000
807	204	869.673	+0.00000
523	213	3194.040	+0.00000
903	203	1998.663	+0.00000
911	812	2700.470	+0.00000
7036	7070	2643.209	+0.00680
7070	229	3463.729	+0.00000
229	233	2969.682	+0.00000

Adjusted Horizontal Angles

From	At	To	Angle right	Residual
9002	9009	903	72.30000	+0.001004
903	9009	9006	39.14127	+0.000042
9009	9006	903	70.19227	+0.000232
9006	903	9009	70.26246	+0.000736
9006	903	7002	228.16422	-0.001020
9006	7002	7001	356.44014	-0.000140

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903	9006	7002	6.53163	+0.000274
903	9006	9005	145.21076	-0.000056
9006	9005	903	13.02312	-0.000018
9005	903	9006	21.36213	-0.000426
7002	9006	7003	89.27481	+0.001191
9006	7003	7002	55.13433	-0.001235
7003	7002	9006	35.18286	-0.000157
9006	7002	903	41.23055	+0.000146
9009	903	8001	288.54224	-0.002835
903	8001	9006	245.40390	-0.000396
9009	903	7001	158.43075	+0.001245
903	7001	51	261.07524	+0.000657
7001	51	49	105.28473	-0.000134
49	51	511	106.23373	-0.000228
51	511	52	179.59547	+0.000535
511	52	7004	23.30181	+0.000792
511	52	7005	31.03467	-0.000274
511	52	53	134.14145	+0.001346
7002	7003	523	82.22516	+0.000044
51	49	48	220.56037	+0.000034
48	49	50	173.38547	-0.000068
49	50	51	92.12126	+0.000342
49	50	7006	253.29520	-0.000003
49	48	47	176.25044	-0.000444
47	48	7007	170.17100	+0.000000
48	47	46	180.45128	+0.000820
7003	9006	807	223.23394	+0.001063
9002	9009	65	-0.00120	+0.001201
9009	65	63	185.49420	-0.000600
9002	65	63	5.49155	+0.000751
65	63	62	178.28227	+0.000725
63	62	7008	179.59489	+0.001115
62	7008	9002	128.49556	-0.001760
65	9002	7008	313.07493	-0.001330
9009	63	62	179.59517	+0.000829
52	53	100	78.57220	+0.000102
53	100	7009	171.04010	+0.000004
52	53	7010	98.09040	+0.000000
52	53	54	160.01492	+0.000180
53	54	7011	88.34310	+0.000000
53	54	7012	93.11210	+0.000000
53	54	7013	94.40397	-0.000166
53	54	7014	129.33280	+0.000000
53	54	7015	129.56030	+0.000000
53	54	41	148.06179	+0.000015
54	41	42	111.33311	+0.000488
42	41	7016	278.32031	-0.003512
42	41	40	97.24322	-0.000015
40	41	7017	180.29404	+0.002260
41	42	7018	186.55383	+0.002165
41	42	7019	186.56542	-0.001818
42	7019	44	270.21540	+0.000000

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42	7019	43	91.28018	-0.001679
7019	43	7020	180.00110	+0.000000
7019	43	7021	180.00055	-0.000250
43	7021	46	179.44584	+0.000563
7021	46	7022	176.36409	+0.000207
7021	46	47	179.37549	+0.000414
9009	903	807	316.01546	+0.000436
9006	903	807	26.28280	+0.000300
807	903	802	147.31566	-0.000157
802	903	804	112.16238	-0.000380
802	903	906	127.11268	+0.000223
903	906	804	63.56137	+0.000025
903	906	911	146.31107	+0.000029
906	911	814	184.10094	-0.000044
911	814	815	158.13336	+0.000044
814	815	7047	293.56187	-0.000072
41	40	7024	180.04000	-0.000063
40	7024	39	180.35161	-0.000212
39	7024	55	91.11387	-0.000074
7024	55	7025	95.43350	-0.000001
7024	55	101	179.53202	+0.000277
55	101	7026	130.03258	-0.000077
7003	523	211	317.28543	-0.000025
7024	39	38	179.18422	-0.000123
39	38	56	270.30010	+0.000000
38	56	7028	271.18120	+0.000000
38	39	7029	214.16327	+0.000026
39	38	36	182.02112	+0.000383
38	36	35	172.37175	-0.000554
36	35	7031	214.59264	+0.000161
35	7031	29	119.15332	-0.000816
7031	29	27	187.07105	+0.001352
27	29	7032	208.59412	-0.000623
29	7032	30	266.41110	+0.000000
7031	35	7030	124.45241	+0.000889
29	7031	7033	121.39216	+0.000538
7031	7033	7036	269.30464	-0.000237
7031	7033	7034	89.24226	+0.000640
7033	7034	7035	179.58275	+0.000346
7034	7035	7037	180.06168	+0.001916
7037	7035	27	273.33166	-0.000758
7035	7037	7038	180.00016	+0.001642
7037	7038	7039	179.56347	+0.002331
7038	7039	7040	179.59541	+0.001388
7039	7040	20	90.13536	-0.000056
7040	20	19	182.39361	+0.000888
20	19	23	153.38197	+0.000031
19	23	24	105.36381	-0.000513
23	24	7041	209.41396	+0.002441
23	24	25	141.49532	-0.000420
24	25	7042	111.00157	-0.001969
24	25	26	176.52478	+0.000123

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25	26	7042	54.22532	-0.000723
25	26	7043	226.07537	-0.002075
26	7043	27	194.17101	-0.002014
7043	27	7044	112.14587	+0.001131
7043	27	7035	82.20221	+0.000591
7043	27	29	144.45513	+0.000173
7043	27	28	146.52530	+0.000000
27	28	7045	292.05420	+0.000000
27	29	7046	81.27290	+0.001303
20	7040	21	105.07528	+0.001521
7040	21	22	171.27198	+0.000424
21	22	7047	86.16517	-0.001067
22	7047	10	177.36316	-0.000557
7047	10	7049	88.42478	+0.000020
7047	10	11	179.46342	+0.002083
10	11	7050	87.08523	-0.000035
10	11	7051	89.45000	+0.002306
11	7051	19	178.27389	+0.001013
7051	19	20	94.12051	-0.000212
19	20	7053	166.06111	-0.000106
20	19	7052	144.38100	+0.000000
903	804	906	258.51133	+0.000172
7029	7024	7027	179.47335	-0.001353
7024	7027	259	340.56456	+0.000444
7027	259	222	296.21527	+0.000035
222	259	7024	352.27032	+0.000476
259	7024	7029	90.26259	+0.003708
259	7027	7016	199.34233	+0.001266
523	211	270	356.31380	-0.000405
211	270	271	177.38484	+0.000263
270	271	7022	178.12009	-0.001090
271	270	7009	43.34000	-0.000078
804	906	201	29.30420	+0.000000
804	906	227	50.00340	+0.000000
804	906	227	50.00340	+0.000000
804	906	269	89.51372	-0.000821
906	269	7023	209.14077	+0.001629
523	211	261	45.38549	+0.000008
10	11	7054	269.46439	-0.001694
11	7054	7055	179.59346	+0.001437
7054	7055	13	179.48364	+0.002059
7055	13	7056	177.15200	+0.003000
13	7056	7057	139.29468	+0.001319
7056	7057	7058	310.38226	+0.000642
7056	7057	15	312.04220	-0.000400
7057	15	7056	292.00398	+0.000719
7056	15	7057	67.59058	+0.000719
7058	15	7058	0.00000	+0.000000
7056	15	9007	210.09547	+0.000033
7056	15	7059	174.59310	-0.000399
7056	15	16	148.30593	+0.000870
15	16	7060	165.15548	+0.000020

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15	16	7059	279.48328	+0.000016
7056	15	7061	248.11184	+0.000359
22	7047	7048	267.13000	-0.000300
7047	7048	7062	179.59259	-0.001787
7048	7062	7063	180.03372	+0.001078
7062	7063	7064	179.59575	-0.000355
7063	7064	7065	179.17051	-0.001210
7064	7065	8	181.20013	+0.001366
8	7065	9007	259.45149	-0.000187
7065	9007	9008	142.16188	-0.000377
7065	8	7	194.20061	+0.000095
7	8	7066	313.31200	+0.000195
7065	7064	7061	270.43199	-0.000087
7063	7062	7067	270.46310	+0.000000
269	7023	268	329.36519	+0.001307
268	7023	221	168.08100	+0.000000
268	7023	250	127.45577	-0.000667
7023	250	7027	32.58591	-0.002309
7023	250	7024	328.22508	+0.001421
906	250	7023	331.30115	+0.000048
906	250	228	265.54580	+0.000000
7027	7024	223	270.27326	-0.000463
223	7024	250	186.16147	-0.001274
7003	7002	202	148.56010	+0.000000
906	261	211	82.20295	-0.000048
804	906	261	329.36547	-0.000066
804	906	250	64.59208	+0.000123
270	271	523	247.09077	+0.000229
211	523	270	0.42004	-0.000042
211	523	271	61.19306	-0.000262
9008	9007	300	82.45461	+0.000386
9007	300	248	140.35090	+0.000000
9007	300	247	141.27310	+0.000000
9007	300	7060	351.50541	-0.000013
9008	9007	293	19.54487	+0.000927
9007	293	246	205.06370	+0.000000
9007	293	252	206.12450	+0.000000
9007	293	244	127.01067	-0.000071
293	244	245	256.02000	+0.000000
293	244	291	120.07194	-0.000942
291	244	255	321.16490	+0.000000
291	244	290	39.05494	-0.000942
244	290	241	356.00090	+0.000000
244	290	240	305.44190	+0.000000
244	290	239	293.00060	+0.000000
244	290	124	201.21222	+0.000075
290	124	23	341.39010	+0.000499
23	124	237	233.19140	+0.000000
23	124	7041	209.41113	+0.000269
7038	7035	299	269.47060	+0.000000
7035	299	295	0.00000	+0.000000
7035	295	294	0.37560	+0.000000

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295	294	235	104.47320	+0.000000
7035	299	298	182.38150	+0.000000
7035	299	297	183.46470	+0.000000
9007	7065	7064	278.54398	-0.000980
7064	7065	305	180.26571	+0.000288
7065	305	7066	159.56391	+0.000089
7065	305	302	92.20136	-0.000964
305	302	300	178.22060	-0.000596
9007	300	302	325.01402	-0.000124
9007	300	301	140.12262	+0.000079
300	301	7068	106.33240	+0.000000
300	301	303	95.17178	+0.000118
301	303	7057	348.54497	+0.000025
301	303	293	86.16096	+0.000042
9007	293	303	204.36550	-0.000197
303	293	304	179.51016	-0.000065
293	304	7064	183.20594	+0.000165
304	7064	7065	88.54174	-0.000038
7064	304	7061	0.40056	+0.000239
7064	304	254	3.07210	+0.000000
9006	903	7069	337.37140	+0.000000
9006	807	204	142.17020	+0.000000
211	523	213	2.33030	+0.000000
9006	903	203	65.30075	+0.000000
906	911	812	74.39520	+0.000000
7033	7036	7070	180.00449	-0.000708
7036	7070	229	270.34452	+0.000000
7070	229	233	183.27340	+0.000000

Adjusted Coordinates

Point	Northing	Easting
7	905477.1570	575339.2906
8	907316.5870	575841.4142
10	922956.1698	578497.3561
11	922937.2010	581080.9515
13	916349.5545	581063.9335
15	912437.6594	580093.2025
16	907190.5261	581080.1865
19	928129.4405	581027.4002
20	928248.8785	578613.6850
21	926299.0984	575252.2772
22	923040.8163	574866.3624
23	929297.1510	583709.3222
24	932445.3421	583271.4806
25	933817.8241	581845.9430
26	934411.7534	581157.7147
27	938428.5985	581528.4195
28	938760.8406	581394.6572
29	940231.2475	580724.0524
30	943991.6164	581763.6163
35	948936.8859	581203.6332

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36	952113.9355	580901.9176
38	954570.0114	580985.6904
39	957192.0935	580981.7980
40	965151.3133	581014.2402
41	970164.0098	581009.8980
42	970449.3740	583189.6353
43	972043.0220	586437.4340
44	968202.6013	586417.7464
46	980777.5133	586560.0079
47	982390.4781	586569.2552
48	983597.2964	586560.2056
49	984503.6503	586610.1244
50	986374.7392	586505.5467
51	986351.6635	585177.5843
52	983955.8824	579060.8464
53	981466.0380	578011.7823
54	976058.9443	577739.9679
55	960217.3317	578408.4720
56	954607.7933	575772.3463
62	1002061.3509	596269.9541
63	1001988.8460	593125.4544
65	1002012.7451	586482.8552
100	981047.4377	580014.8787
101	960290.9332	575908.3614
124	932449.8028	583272.9072
201	968927.0463	582729.5968
202	993156.0991	589887.7135
203	994132.9608	587214.9931
204	995112.4018	583829.3152
211	981370.8358	579635.0482
213	981069.5059	582846.2804
221	960302.9248	576811.4347
222	961109.8750	574988.4011
223	960140.0943	579705.8964
227	969578.8314	579495.3734
228	957253.7890	577632.2036
229	949308.3824	579232.0379
233	949099.1295	582194.3385
235	938741.9302	579100.7059
237	933518.2539	584357.8696
239	922921.5743	584509.0350
240	922922.8155	582959.8300
241	922931.8157	581788.7727
244	917590.8042	582771.7353
245	917726.8797	584680.9793
246	912571.5343	584902.9334
247	907287.9575	584806.1911
248	907216.2380	582832.8727
250	959935.4777	582780.2238
252	912482.9291	583003.2842
254	912405.3171	579509.9214
255	917687.6746	578477.6538

259	960150.4938	582742.2133
261	975581.4651	583913.4281
268	967871.2025	575775.3653
269	968236.5109	577426.1502
270	981288.0413	580708.1765
271	981106.6864	585753.6835
290	923539.9774	581627.0853
291	918940.2382	581164.2287
293	912464.9373	581878.0520
294	938821.4863	579122.3089
295	938805.7318	581380.3959
297	938802.7751	582127.8184
298	938803.3600	582157.0518
299	938808.3965	582037.1355
300	907108.5062	581163.9602
301	907273.4398	583480.7846
302	907132.5887	579319.1009
303	912540.2274	583592.6066
304	912375.5527	579956.9466
305	907275.4880	575880.3134
511	985108.2177	582002.7904
523	980490.8578	585987.4677
802	994144.5866	598709.3698
804	971901.3795	583533.1976
807	994252.2356	583701.0762
812	950354.5394	582360.5081
814	930645.2820	580388.3574
815	922917.6630	583739.3555
903	992369.1252	588154.9599
906	972067.0751	577522.4010
911	949379.1243	579842.3533
*7001	991491.6601	589014.1404
7002	991491.6294	589041.1669
*7003	986488.3957	581026.7881
*7004	983884.6949	580988.3136
*7005	983627.2999	580988.5794
*7006	986381.3255	586523.9403
7007	983743.9606	586533.9658
7008	1002077.3704	596963.0883
7009	980998.4677	580991.4990
7010	981253.1813	578366.0547
7011	975976.1958	581002.0185
7012	975712.1543	581002.7470
*7013	975975.1542	578371.6864
7014	973070.6258	581008.5120
7015	973030.7398	581008.7576
7016	970429.9759	581014.8011
*7017	970698.2021	581014.1634
*7018	970454.8885	583798.1496
*7019	970478.6319	586411.5781
7020	973134.1080	586455.5254
*7021	975789.2651	586499.3602

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*7022	981103.1135	586544.6982
*7023	965432.5722	575762.3589
*7024	960135.6102	581012.7887
*7025	960144.3668	578398.8353
*7026	960152.9364	575785.2231
7027	965150.7151	580990.0393
7028	954623.4342	575772.8156
*7029	957241.6175	581015.4429
*7030	949294.7966	581031.5617
*7031	944035.0066	578422.7559
*7032	944011.8996	581051.1089
*7033	944057.3261	575768.7041
*7034	941419.9311	575773.8550
*7035	938783.0085	575780.1870
*7036	946700.3051	575768.3990
*7037	936148.4350	575781.2106
*7038	933513.8189	575781.7946
*7039	930885.5151	575784.9934
*7040	928257.1588	575787.9134
*7041	933512.6148	583698.1463
*7042	933455.1476	581071.0761
7043	936095.4876	581066.9308
*7044	938736.0007	581062.8970
7045	938757.9954	582382.3291
*7046	938759.3340	578421.5157
*7047	922985.2231	575914.6358
*7048	920348.4777	575903.0971
*7049	922966.1614	578497.2441
*7050	922947.1686	581080.5282
7051	925560.8424	581088.7653
7052	928173.5085	581096.4906
*7053	928215.2887	578441.9062
7054	920305.3510	581072.2184
7055	917663.5419	581063.7772
7056	915141.5808	581121.9833
7057	912510.1146	583597.8457
7058	912396.3799	581104.4977
7059	907153.9431	578595.8076
7060	907139.6351	581104.3378
7061	912410.2608	578489.6472
*7062	917711.7421	575891.9948
*7063	915068.4908	575877.8051
7064	912424.6224	575863.6435
7065	909821.1430	575882.1992
7066	907217.5337	575901.4224
7067	917663.3980	578449.6659
7068	907383.6643	583505.1898
7069	991502.2176	586372.4187
*7070	949343.5138	575768.4875
8001	991865.3156	581335.2450
*9002	1003121.8996	597764.8196
*9005	985004.7933	572477.7067

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*9006	991942.7395	581293.1201
*9007	910022.7493	577111.4567
*9008	910724.0258	577764.4452
*9009	1001781.9554	584137.0308

Coordinate Residuals

Point	D-Northing	D-Easting
7	-29.12560	6.90735
8	-29.12964	6.92209
10	-29.16566	6.92410
11	-29.18742	6.92565
13	-29.17090	6.78269
15	-29.13858	6.90586
16	-29.13606	6.93896
19	-29.16534	6.91654
20	-29.14702	6.92189
21	-29.14220	6.93722
22	-29.13750	6.95035
23	-29.14426	6.92641
24	-29.15624	6.88010
25	-29.19046	6.95331
26	-29.16113	6.99157
27	-29.12670	6.97425
28	-29.12900	6.96852
29	-29.10194	7.00399
30	-29.13005	6.92436
35	-29.21016	6.96744
36	-29.18103	6.98229
38	-29.16396	6.95987
39	-29.14514	6.92428
40	-29.15258	6.92002
41	-29.16087	6.87364
42	-29.12083	6.91828
43	-29.14012	6.97029
44	-29.14436	6.90725
46	-29.14473	6.92757
47	-29.14501	6.95176
48	-29.14688	6.94914
49	-29.14864	6.94024
50	-29.14224	6.93010
51	-29.16396	6.93511
52	-29.14056	6.92377
53	-29.14214	6.93340
54	-29.14089	6.91917
55	-29.13997	6.92461
56	-29.23465	6.95938
62	-29.25695	6.94395
63	-29.28802	6.94273
65	-29.15006	6.93716
100	-29.14418	6.94099
101	-29.14866	6.91965

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124	-29.13433	6.91433
201	-29.04325	6.69344
202	-29.14378	6.91586
203	-29.14409	6.92373
204	-29.14400	6.92186
211	-29.14968	6.95161
213	-29.14807	6.92307
221	-29.13862	6.95200
222	-28.77790	6.82057
223	-29.09419	6.92410
227	-29.02363	6.66994
228	-29.30687	7.14701
229	-29.03218	6.83504
233	-28.93760	6.84116
235	-29.14436	6.92393
237	-29.13067	6.91080
239	-29.15484	6.88734
240	-29.13151	6.88731
241	-29.11379	6.88750
244	-29.11322	6.80404
245	-29.07184	6.80110
246	-29.10089	6.91739
247	-29.11644	6.93205
248	-29.12332	6.93228
250	-29.18468	7.08332
252	-29.11069	6.91782
254	-29.13042	6.91902
255	-29.12735	6.80375
259	-29.33668	6.75147
261	-29.25594	6.83723
268	-29.14421	6.91051
269	-29.05638	6.84520
270	-29.15035	6.94732
271	-29.13753	6.95227
290	-29.11136	6.89666
291	-29.11853	6.79963
293	-29.11644	6.91795
294	-29.14436	6.92386
295	-29.14436	6.92390
297	-29.14435	6.92393
298	-29.14429	6.92388
299	-29.14429	6.92390
300	-29.12908	6.93261
301	-29.11398	6.93747
302	-29.12791	6.93008
303	-29.09996	6.92081
304	-29.12892	6.91911
305	-29.13720	6.92462
511	-29.16285	6.93259
523	-29.16840	6.95952
802	-29.36564	6.96838
804	-29.04193	6.70952

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807	-29.08119	6.89826
812	-29.15058	6.92577
814	-29.36591	6.95405
815	-29.42016	6.91476
903	-29.20534	6.94134
906	-29.05615	6.68571
911	-29.23410	6.84767
7002	-29.14412	6.91659
7007	-29.14689	6.94882
7008	-29.19700	6.93855
7009	-29.14672	6.94413
7010	-29.14091	6.93409
7011	-29.14953	6.91899
7012	-29.14949	6.91834
7014	-29.14949	6.91136
7015	-29.14952	6.91122
7016	-29.23893	6.82501
7020	-29.14069	7.00252
7027	-29.30315	7.04930
7028	-29.23469	6.95916
7043	-29.14902	7.01126
7045	-29.11210	6.96862
7051	-29.17580	6.92119
7052	-29.16589	6.91683
7054	-29.18135	6.88616
7055	-29.17509	6.80290
7056	-29.16411	6.84006
7057	-29.08859	6.91894
7058	-29.15443	6.91319
7059	-29.15815	6.95526
7060	-29.13197	6.93751
7061	-29.14236	6.91748
7064	-29.14252	6.92741
7065	-29.13776	6.93789
7066	-29.13602	6.92397
7067	-29.14436	6.92395
7068	-29.11379	6.93673
7069	-29.14633	6.92530
8001	-28.91704	6.79792

Standard errors at 90% Area of confidence

Point	std-err N	std-err E
7	0.0069	0.0109
8	0.0047	0.0057
10	0.0023	0.0001
11	0.0024	0.0001
13	0.0051	0.0076
15	0.0039	0.0039
16	0.0053	0.0059
19	0.0034	0.0036
20	0.0010	0.0024

21	0.0035	0.0036
22	0.0025	0.0036
23	0.0040	0.0042
24	0.0030	0.0029
25	0.0025	0.0028
26	0.0026	0.0037
27	0.0024	0.0022
28	0.0038	0.0031
29	0.0027	0.0024
30	0.0028	0.0034
35	0.0025	0.0015
36	0.0045	0.0043
38	0.0043	0.0046
39	0.0020	0.0014
40	0.0048	0.0020
41	0.0024	0.0016
42	0.0021	0.0024
43	0.0033	0.0025
44	0.0046	0.0072
46	0.0026	0.0011
47	0.0034	0.0035
48	0.0037	0.0046
49	0.0032	0.0042
50	0.0009	0.0025
51	0.0037	0.0035
52	0.0047	0.0027
53	0.0051	0.0033
54	0.0021	0.0024
55	0.0023	0.0005
56	0.0143	0.0081
62	0.0036	0.0041
63	0.0034	0.0046
65	0.0032	0.0040
100	0.0045	0.0043
101	0.0020	0.0020
124	0.0033	0.0035
201	0.0070	0.0080
202	0.0044	0.0051
203	0.0042	0.0050
204	0.0041	0.0050
211	0.0040	0.0045
213	0.0060	0.0052
221	0.0072	0.0143
222	0.0065	0.0089
223	0.0034	0.0039
227	0.0059	0.0057
228	0.0059	0.0074
229	0.0093	0.0044
233	0.0187	0.0061
235	0.0065	0.0094
237	0.0060	0.0064
239	0.0090	0.0077

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240	0.0086	0.0070
241	0.0084	0.0062
244	0.0073	0.0081
245	0.0097	0.0093
246	0.0090	0.0066
247	0.0105	0.0077
248	0.0084	0.0068
250	0.0037	0.0027
252	0.0067	0.0055
254	0.0044	0.0053
255	0.0143	0.0101
259	0.0034	0.0027
261	0.0050	0.0049
268	0.0047	0.0044
269	0.0046	0.0039
270	0.0040	0.0039
271	0.0023	0.0027
290	0.0078	0.0056
291	0.0080	0.0094
293	0.0048	0.0041
294	0.0058	0.0094
295	0.0045	0.0082
297	0.0045	0.0080
298	0.0045	0.0080
299	0.0044	0.0075
300	0.0052	0.0055
301	0.0074	0.0066
302	0.0045	0.0057
303	0.0061	0.0042
304	0.0044	0.0042
305	0.0045	0.0057
511	0.0040	0.0044
523	0.0030	0.0030
802	0.0055	0.0107
804	0.0047	0.0061
807	0.0023	0.0033
812	0.0148	0.0101
814	0.0095	0.0089
815	0.0077	0.0084
903	0.0014	0.0017
906	0.0048	0.0043
911	0.0140	0.0094
7002	0.0001	0.0019
7007	0.0048	0.0050
7008	0.0028	0.0030
7009	0.0044	0.0041
7010	0.0055	0.0045
7011	0.0056	0.0058
7012	0.0056	0.0058
7014	0.0053	0.0059
7015	0.0053	0.0059
7016	0.0035	0.0021

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7020	0.0049	0.0070
7027	0.0035	0.0022
7028	0.0145	0.0081
7043	0.0036	0.0040
7045	0.0085	0.0048
7051	0.0041	0.0040
7052	0.0039	0.0044
7054	0.0047	0.0055
7055	0.0053	0.0078
7056	0.0046	0.0063
7057	0.0061	0.0042
7058	0.0007	0.0048
7059	0.0059	0.0071
7060	0.0052	0.0059
7061	0.0043	0.0040
7064	0.0032	0.0033
7065	0.0030	0.0031
7066	0.0047	0.0058
7067	0.0085	0.0048
7068	0.0080	0.0066
7069	0.0048	0.0043
8001	0.0023	0.0013

Error Ellipses Data

Point	Azimuth	Semi-Major Axis	Semi-Minor Axis
7	-69.53150	0.01143718	0.00600439
8	-59.50025	0.00614357	0.00411358
10	-0.25141	0.00232794	0.00005140
11	-2.15473	0.00244825	0.00005206
13	-80.49512	0.00768157	0.00505003
15	-46.36126	0.00423330	0.00349304
16	56.38564	0.00627604	0.00479733
19	-66.31364	0.00363600	0.00339120
20	79.42578	0.00245707	0.00088860
21	71.25504	0.00366535	0.00349740
22	-77.50312	0.00360065	0.00244392
23	77.35270	0.00422462	0.00399825
24	-24.36316	0.00309207	0.00283360
25	-58.52229	0.00296145	0.00236281
26	-89.58402	0.00369790	0.00257225
27	-25.48110	0.00249109	0.00217625
28	-25.48117	0.00403362	0.00282668
29	-36.11190	0.00295552	0.00197761
30	-88.22098	0.00342532	0.00275133
35	-19.55353	0.00260761	0.00131903
36	-32.11236	0.00458482	0.00417471
38	73.38318	0.00464127	0.00424456
39	34.03093	0.00240513	0.00031836
40	-0.15093	0.00478455	0.00195760
41	-0.22549	0.00239170	0.00160343
42	82.07590	0.00243740	0.00212307

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43	0.56491	0.00328483	0.00252632
44	89.50410	0.00721602	0.00456150
46	-2.30297	0.00262474	0.00107721
47	-72.18317	0.00355023	0.00339367
48	-87.27076	0.00464630	0.00374431
49	-85.42052	0.00417346	0.00317267
50	70.08044	0.00262726	0.00011669
51	-33.43322	0.00386466	0.00328866
52	5.17274	0.00468040	0.00268205
53	0.16388	0.00507954	0.00331094
54	-63.08211	0.00250576	0.00202578
55	9.09105	0.00237930	0.00037017
56	-13.55114	0.01456317	0.00752039
62	-64.58492	0.00418574	0.00341570
63	-83.57397	0.00459327	0.00333615
65	87.19081	0.00400521	0.00320195
100	-22.08502	0.00459808	0.00422764
101	44.01572	0.00274526	0.00061820
124	-64.28568	0.00355420	0.00328480
201	-56.41053	0.00870664	0.00614923
202	-75.36087	0.00515453	0.00431148
203	67.06148	0.00516464	0.00404397
204	-67.20040	0.00514571	0.00385907
211	-72.57537	0.00449825	0.00400348
213	-6.38263	0.00600412	0.00520777
221	78.26301	0.01452638	0.00671270
222	-75.13396	0.00905968	0.00628631
223	-89.48123	0.00385712	0.00335054
227	-35.37260	0.00613929	0.00551194
228	63.08550	0.00784209	0.00526972
229	0.34521	0.00927585	0.00441773
233	2.29296	0.01871360	0.00609829
235	87.58204	0.00941192	0.00646513
237	-51.01250	0.00702393	0.00517985
239	-13.11411	0.00904661	0.00759468
240	-16.06292	0.00869426	0.00687192
241	-17.33197	0.00865202	0.00588783
244	-54.58036	0.00888666	0.00631607
245	-42.07143	0.01114502	0.00748261
246	-13.34512	0.00912973	0.00637929
247	23.47369	0.01112496	0.00683347
248	28.02522	0.00899085	0.00602126
250	20.24267	0.00379394	0.00248913
252	-18.51204	0.00680608	0.00535181
254	-77.35048	0.00532498	0.00431052
255	-4.53000	0.01429257	0.01010362
259	-10.06155	0.00346321	0.00267861
261	-41.15288	0.00508655	0.00481104
268	0.18201	0.00467970	0.00438115
269	-7.10562	0.00457399	0.00385332
270	-36.51393	0.00410442	0.00382907
271	-74.46036	0.00277096	0.00226411

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290	-15.36594	0.00796588	0.00540139
291	-59.34549	0.00998182	0.00724481
293	-22.57379	0.00490277	0.00389833
294	89.45502	0.00936594	0.00576527
295	89.46030	0.00818725	0.00452901
297	-89.30492	0.00802404	0.00449021
298	-89.43546	0.00803289	0.00451801
299	89.46030	0.00745491	0.00440953
300	48.37086	0.00630172	0.00424254
301	38.01215	0.00855387	0.00504027
302	73.23185	0.00585534	0.00431952
303	-18.44548	0.00629130	0.00390717
304	-30.05494	0.00452304	0.00405369
305	-63.05167	0.00601419	0.00405994
511	66.21177	0.00450440	0.00388302
523	-43.02236	0.00322727	0.00274745
802	80.41437	0.01081292	0.00531185
804	-83.18178	0.00611680	0.00465400
807	-68.49364	0.00347990	0.00210135
812	-9.33527	0.01495592	0.00987540
814	-39.42589	0.01061903	0.00748487
815	57.42335	0.00891352	0.00708807
903	-85.11078	0.00166707	0.00137768
906	-23.06231	0.00495856	0.00415000
911	-12.34484	0.01416101	0.00912847
7002	-89.57105	0.00194132	0.00010312
7007	-64.51117	0.00510850	0.00470819
7008	-56.20561	0.00318807	0.00260239
7009	-36.52263	0.00460712	0.00385273
7010	-12.52128	0.00554039	0.00446938
7011	-85.52106	0.00580961	0.00555762
7012	-85.17549	0.00583197	0.00558482
7014	-52.22404	0.00662057	0.00425744
7015	-52.02575	0.00663859	0.00428111
7016	2.26358	0.00354683	0.00208412
7020	-89.03003	0.00700346	0.00494802
7027	-8.42025	0.00356788	0.00211132
7028	-12.57105	0.01482330	0.00756181
7043	67.14024	0.00413364	0.00349068
7045	-13.04080	0.00871041	0.00444740
7051	16.41359	0.00409386	0.00402030
7052	62.22272	0.00457104	0.00366826
7054	86.56452	0.00547039	0.00465103
7055	-85.49452	0.00784494	0.00524090
7056	-70.00521	0.00656651	0.00428518
7057	-18.00509	0.00629040	0.00390301
7058	-87.32592	0.00478646	0.00071063
7059	-68.25239	0.00724655	0.00564826
7060	55.59234	0.00634305	0.00460760
7061	-19.27043	0.00433704	0.00397593
7064	49.03339	0.00348186	0.00292437
7065	-61.04351	0.00322967	0.00286312

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7066	-61.46281	0.00616961	0.00417590
7067	1.04583	0.00847318	0.00476652
7068	33.17546	0.00893601	0.00523286
7069	-29.46194	0.00501792	0.00409100
8001	-29.14432	0.00260962	0.00033383

PROJECT AGUA FRIA ~~GROUP~~ No. 95010

SECTION (S) _____

TOWNSHIP _____ RANGE _____

_____ MERIDIAN, STATE _____

SHEET No. 1 OF _____ SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

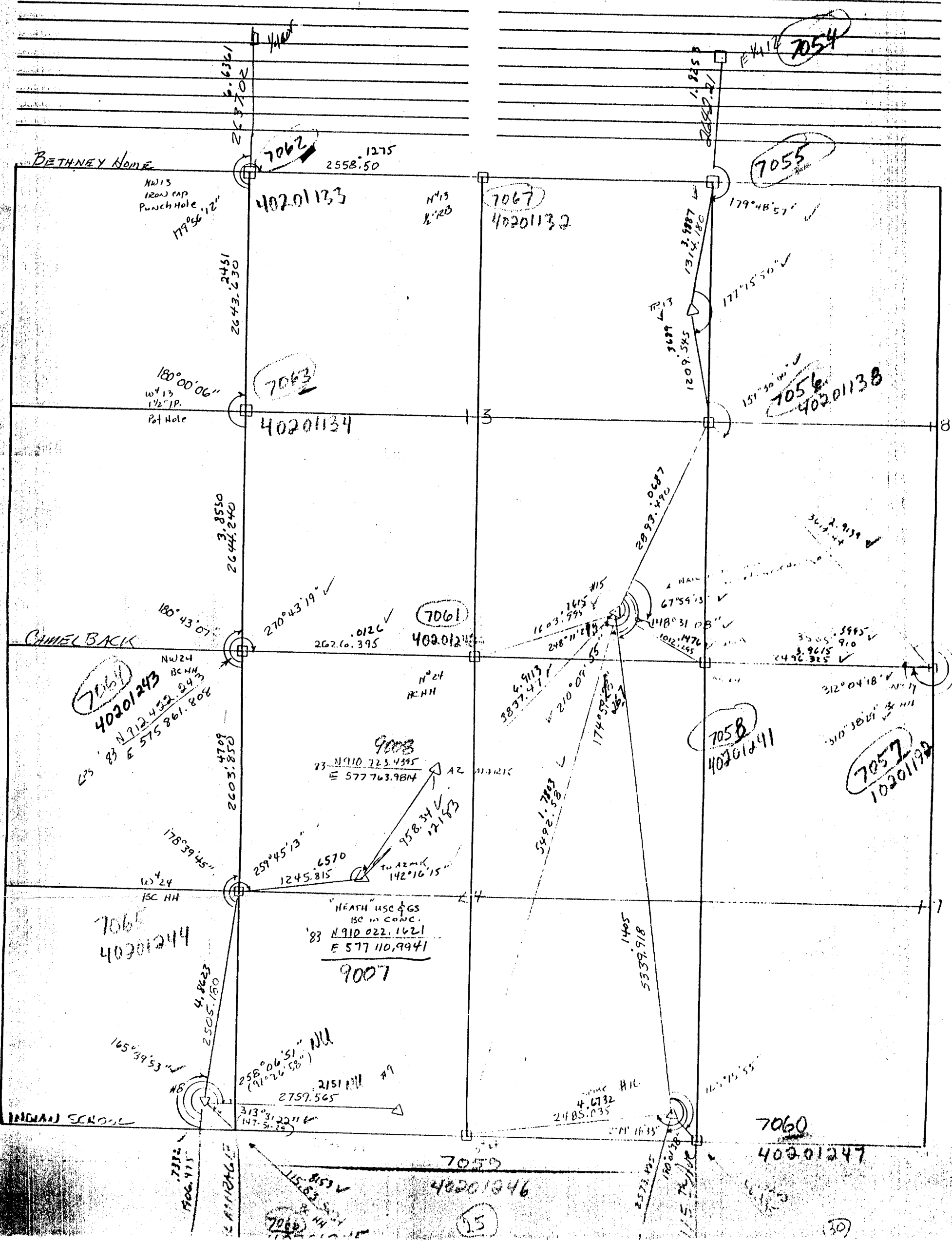
quarter section (1 inch = 5 Chs)

one section (1 inch = 10 Chs)

four sections (1 inch = 20 Chs)

Open symbol when not remonumented – Closed symbol when you monument

- GLO or BLM Monument
- Accepted Local Corner for Control
- Local Control N/S and Proportionate E/W
- Local Control E/W and Proportionate N/S
- Your Established Corner



PROJECT 46th FRIA GROUP No. 95010

SECTION (S) _____

TOWNSHIP _____ RANGE _____

_____ MERIDIAN, STATE _____

SHEET No. 1-"A" OF _____ SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

quarter section (1 inch = 5 Chs)

one section (1 inch = 10 Chs)

four sections (1 inch = 20 Chs)

Open symbol when not remonumented – Closed symbol when you monument

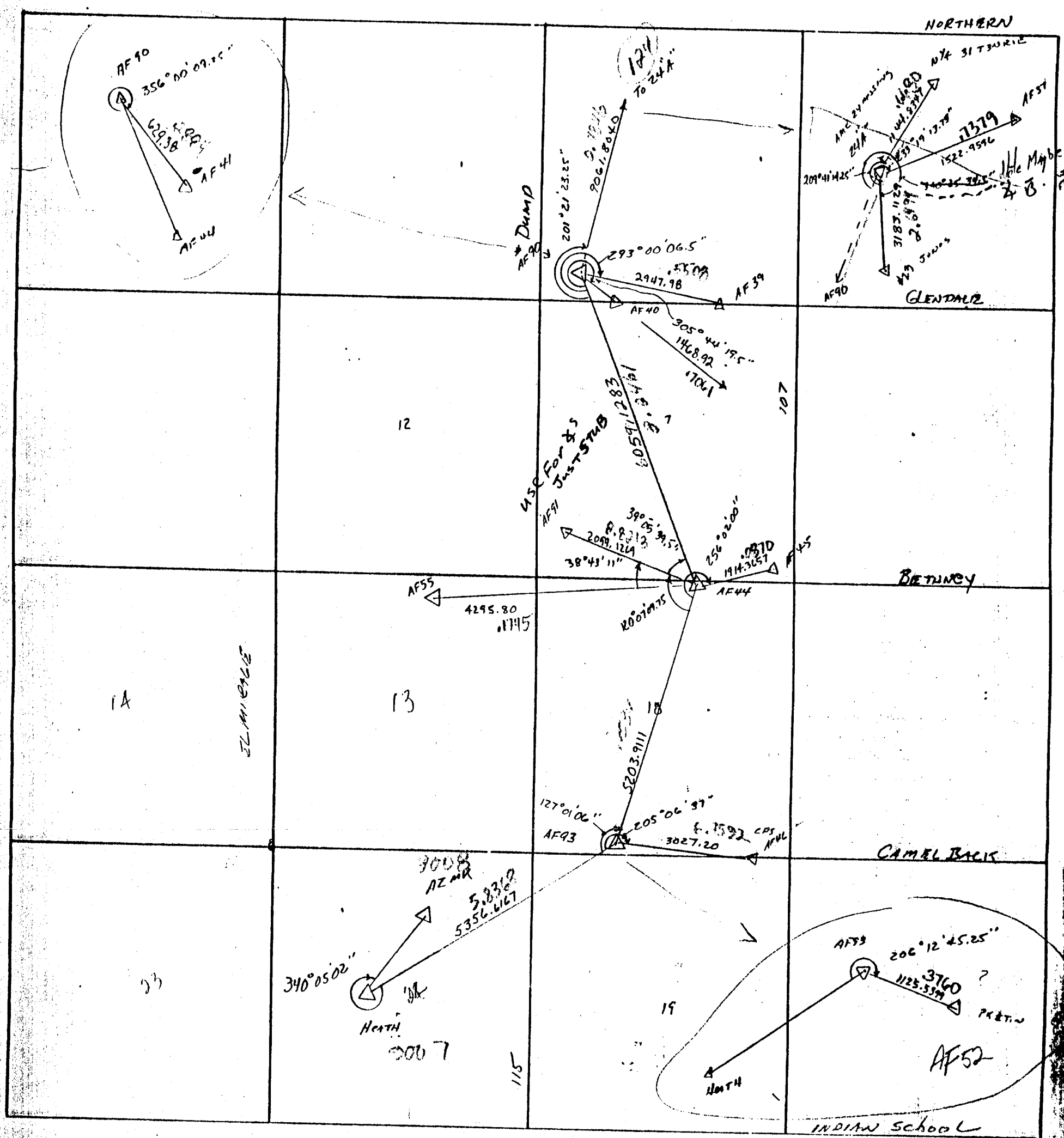
GLO or BLM Monument

Accepted Local Corner for Control

Local Control N/S and Proportionate E/W

Local Control E/W and Proportionate N/S

Your Established Corner



PROJECT ALHA FRIA ~~GROUP~~ No. 95010

SECTION (S) _____

TOWNSHIP _____ RANGE _____

_____ MERIDIAN, STATE _____

SHEET No. 1-"B" OF _____ SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

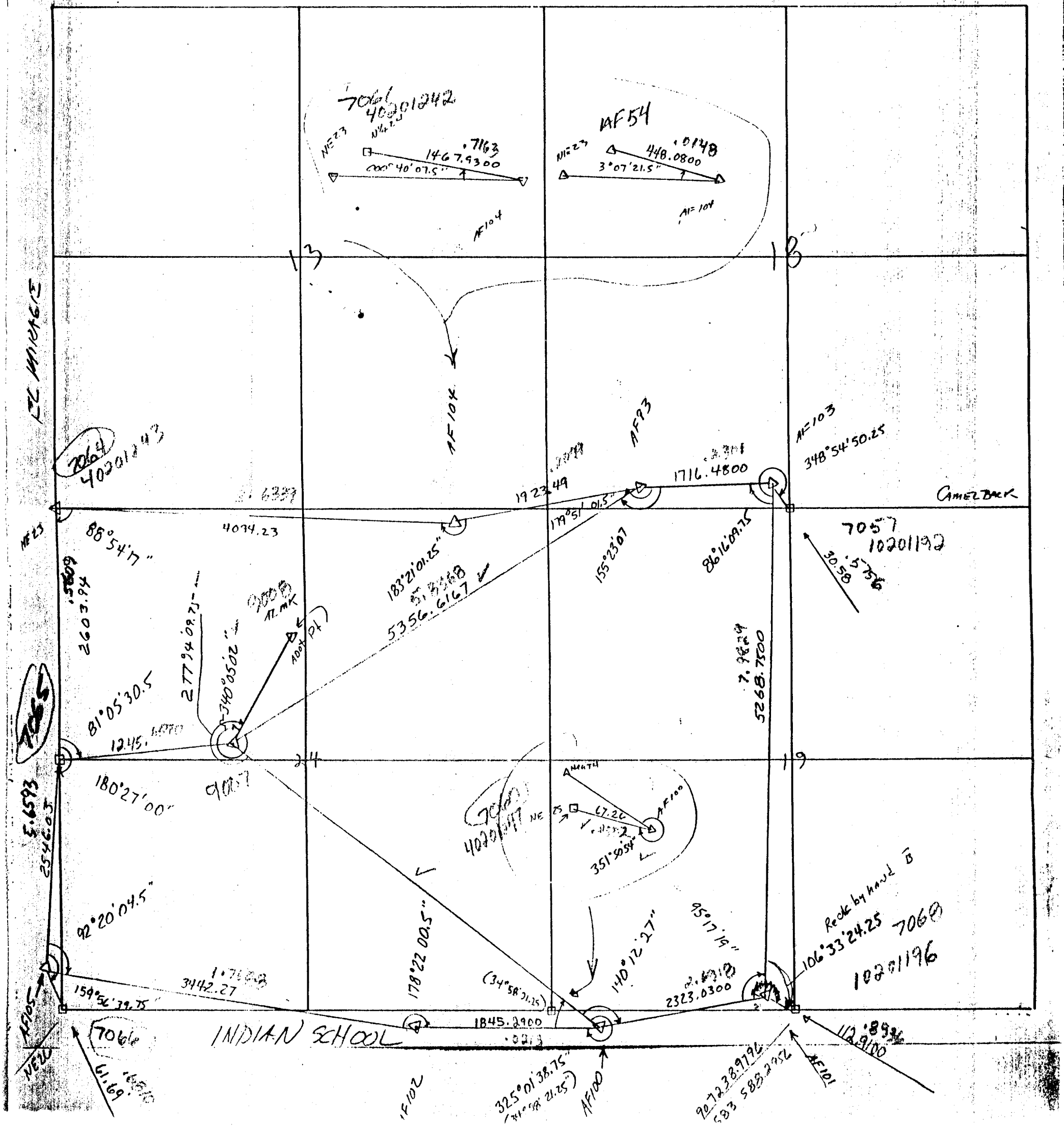
quarter section (1 inch = 5 Chs)

one section (1 inch = 10 Chs.)

four sections (1 inch = 20 Chs.)

Open symbol when not remonumented – Closed symbol when you monument

- GLO or BLM Monument
- Accepted Local Corner for Control
- Local Control N/S and Proportionate E/W
- Local Control E/W and Proportionate N/S
- Your Established Corner



PROJECT AGUA FRIA GROUP No. 95010

SECTION (S)

TOWNSHIP RANGE

MERIDIAN, STATE

SHEET No. 1-"C" OF SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

quarter section (1 inch = 5 Chs)

one section (1 inch = 10 Chs.)

four sections (1 inch = 20 Chs.)

Open symbol when not remonumented – Closed symbol when you monument

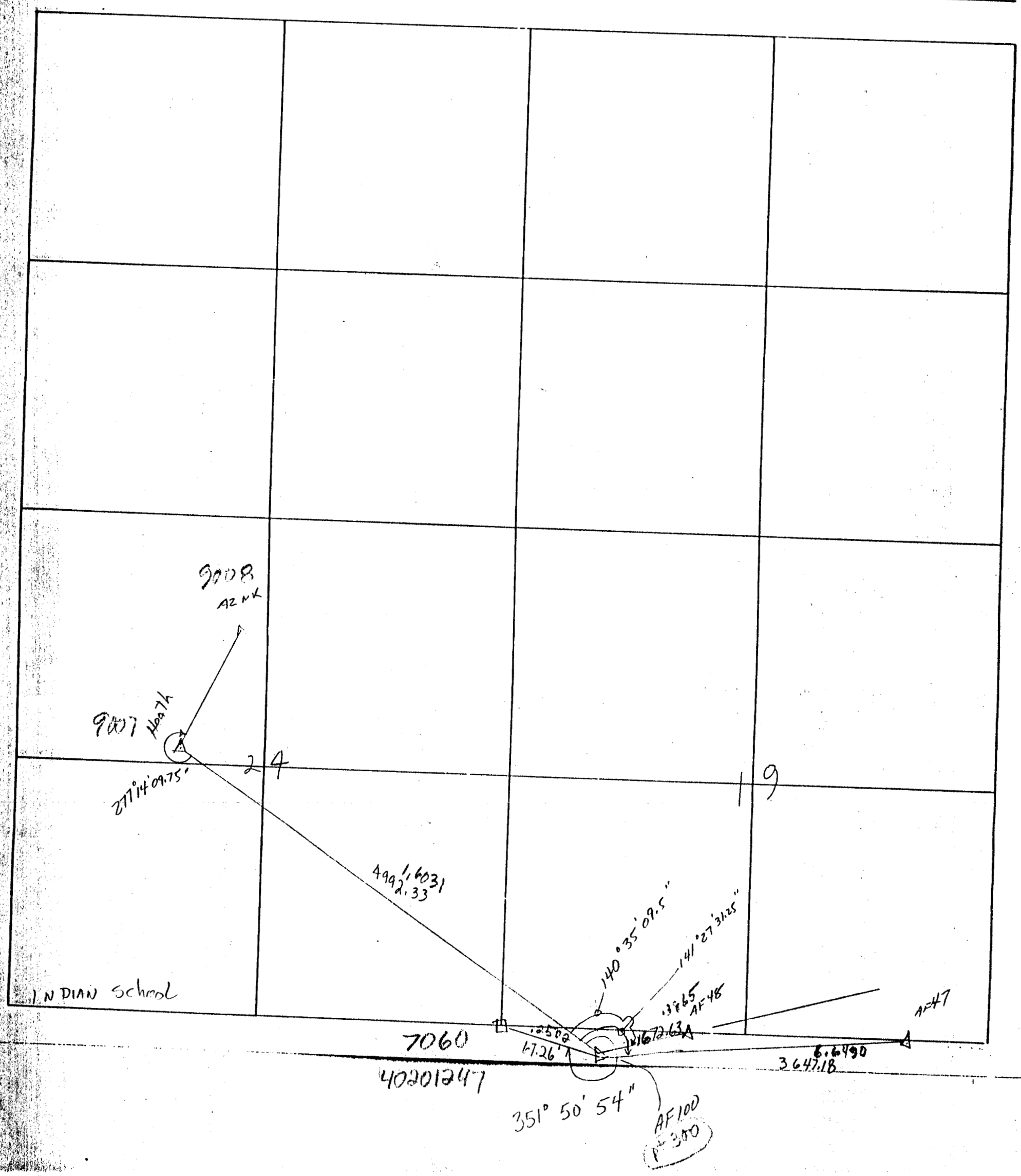
GLO or BLM Monument

Accepted Local Corner for Control

Local Control N/S and Proportionate E/W

Local Control E/W and Proportionate N/S

Your Established Corner



PROJECT AGUA FRIA GROUP No. 95010

SECTION (S)

TOWNSHIP RANGE

MERIDIAN, STATE

SHEET No. 2 OF SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

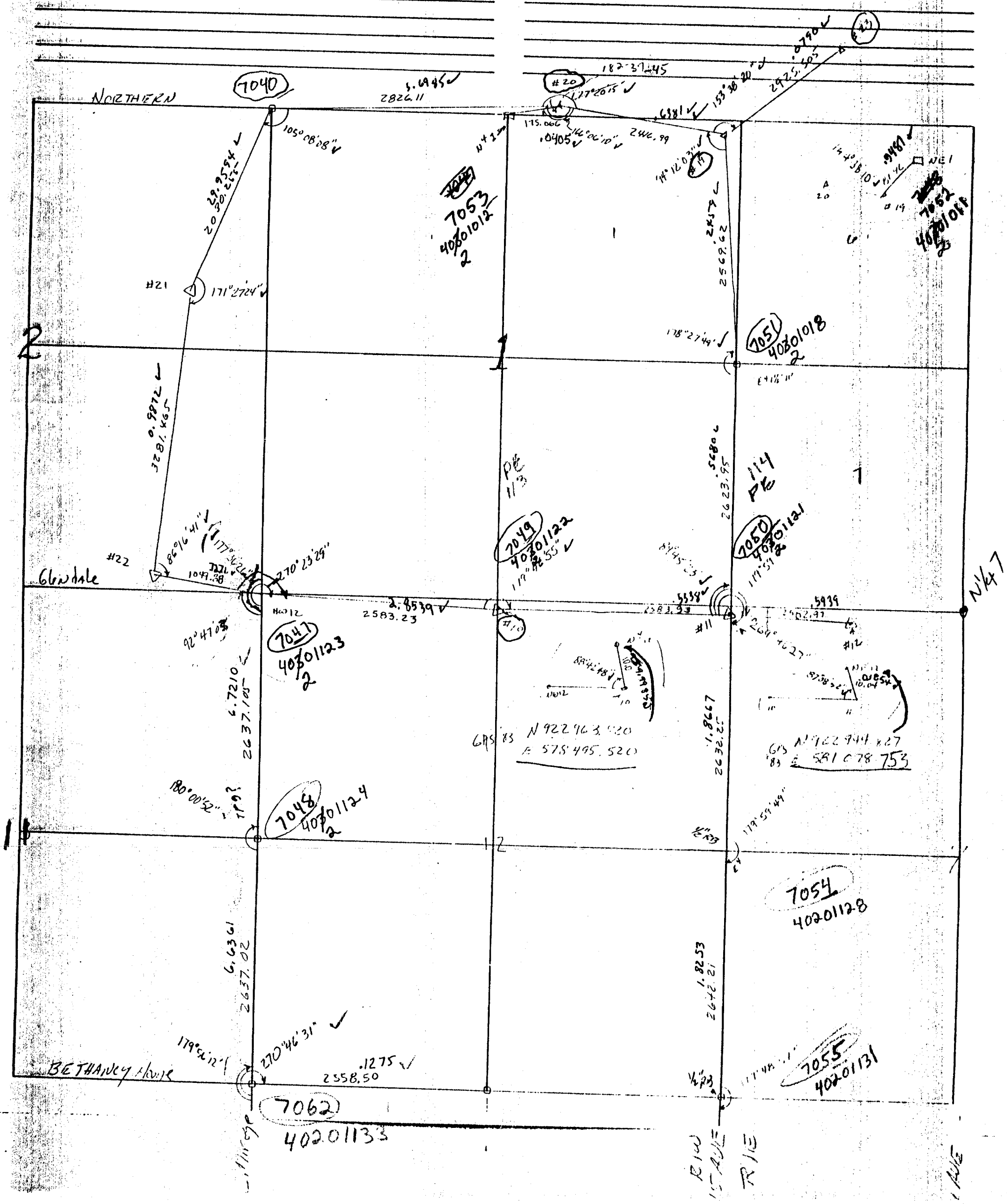
quarter section (1 inch = 5 Chs)

one section (1 inch = 10 Chs)

four sections (1 inch = 20 Chs)

Open symbol when not remonumented – Closed symbol when you monument

- GLO or BLM Monument
- Accepted Local Corner for Control
- Local Control N/S and Proportionate E/W
- Local Control E/W and Proportionate N/S
- Your Established Corner



PROJECT AGUA FRIA GROUP No. 95010

SECTION (S) _____

TOWNSHIP _____ RANGE _____

_____ MERIDIAN, STATE _____

SHEET No. 3 OF _____ SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

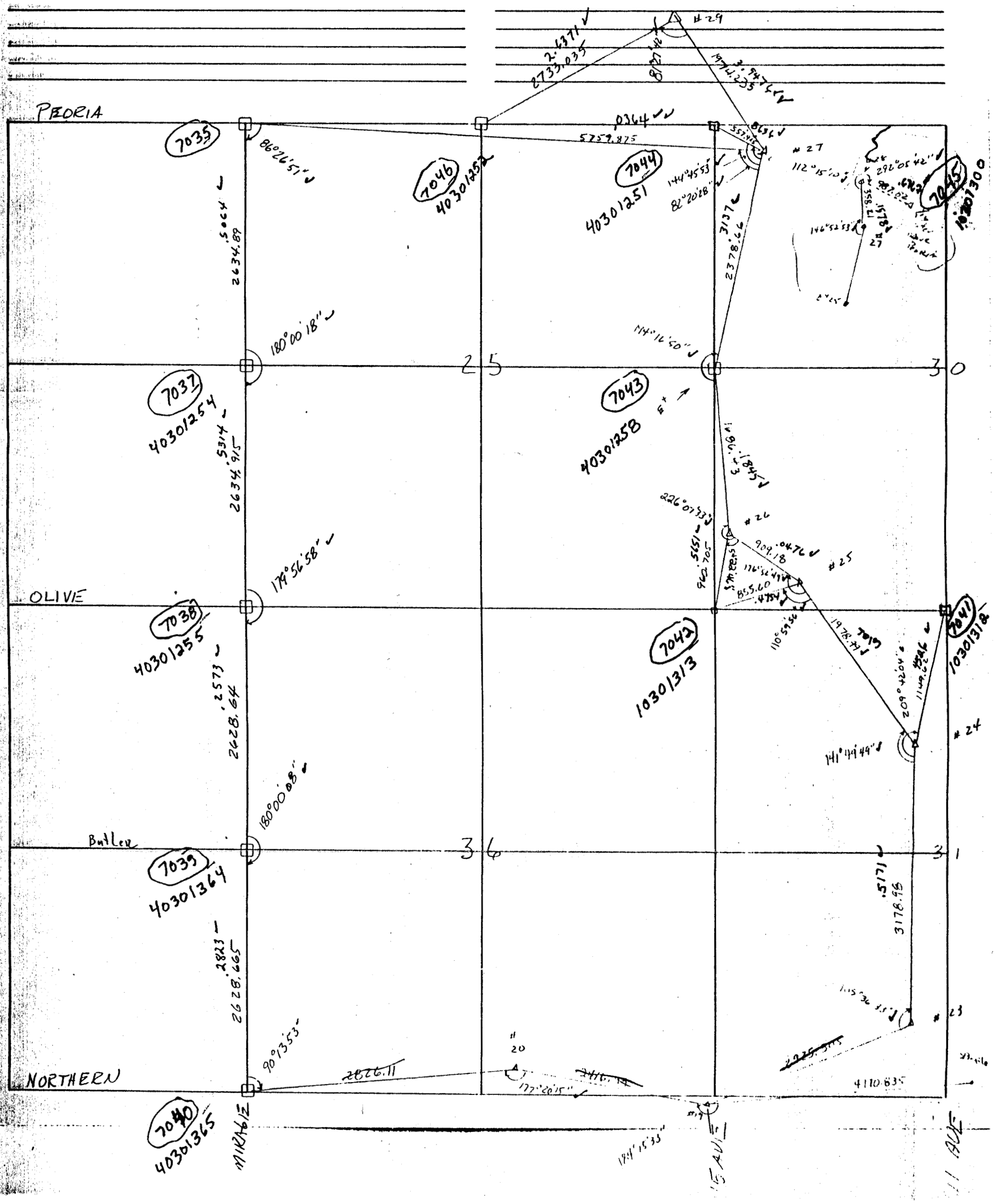
quarter section (1 inch = 5 Chs)

one section (1 inch = 10 Chs)

four sections (1 inch = 20 Chs)

Open symbol when not remonumented – Closed symbol when you monument

- ◊ ♦ GLO or BLM Monument
- □ ■ Accepted Local Corner for Control
- Local Control N/S and Proportionate E/W
- Local Control E/W and Proportionate N/S
- ○ ● Your Established Corner



PROJECT UA FRIA GROUP No. 95010

SECTION (S)

TOWNSHIP RANGE

MERIDIAN, STATE

SHEET No. 3-"A" OF SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

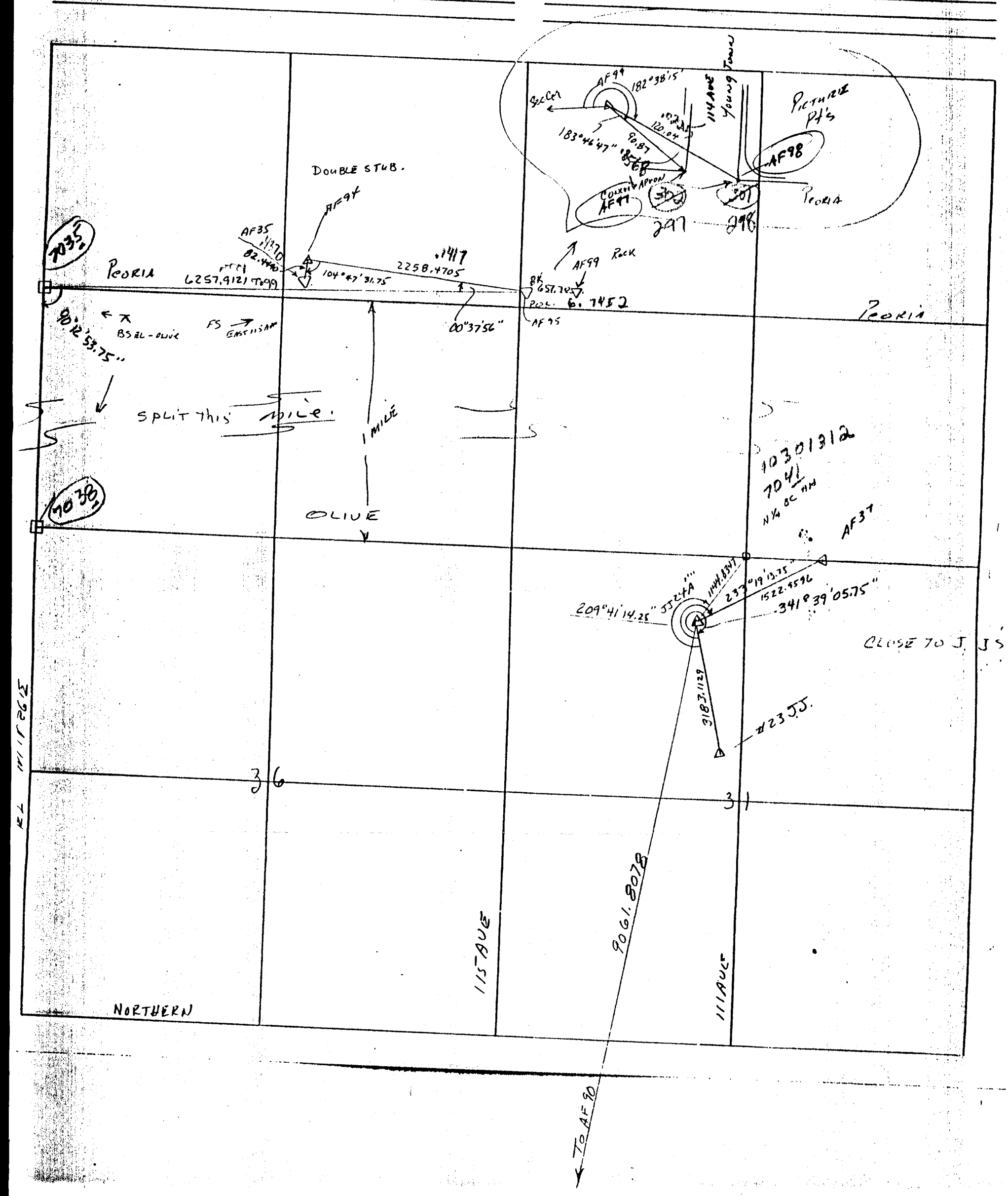
quarter section (1 inch = 5 Chs)

one section (1 inch = 10 Chs)

four sections (1 inch = 20 Chs.)

Open symbol when not remonumented – Closed symbol when you monument

- GLO or BLM Monument
- Accepted Local Corner for Control
- Local Control N/S and Proportionate E/W
- Local Control E/W and Proportionate N/S
- Your Established Corner

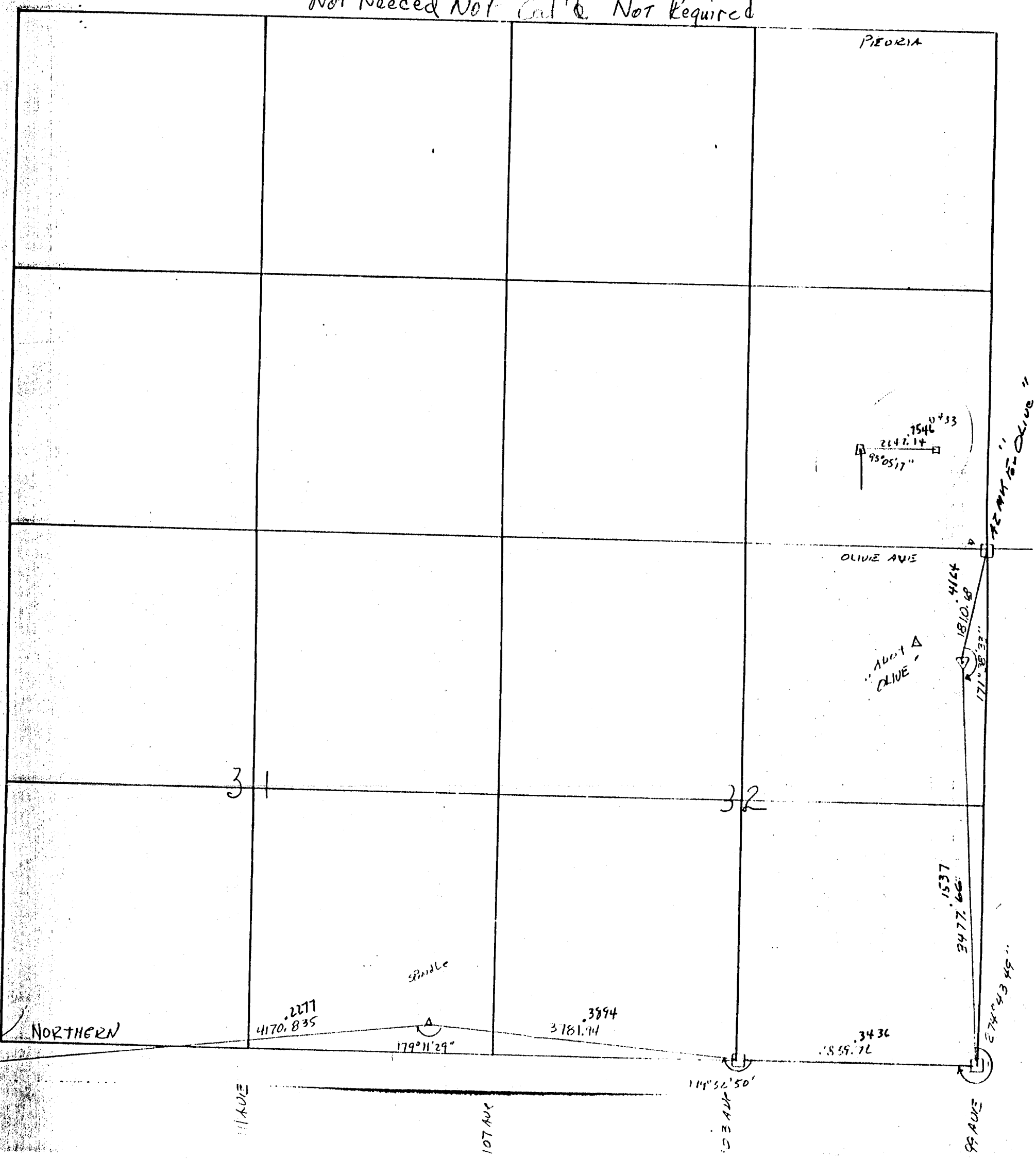


PROJECT AGUA FRIA GROUP No. 95010
SECTION (S)
TOWNSHIP RANGE
MERIDIAN, STATE
SHEET No. 4 OF SHEETS

CADASTRAL SURVEY
RANDOM / TRUE DIAGRAM
Scale
quarter section (1 inch = 5 Chs)
one section (1 inch = 10 Chs)
four sections (1 inch = 20 Chs)

Open symbol when not remonumented – Closed symbol when you monument
GLO or BLM Monument
Accepted Local Corner for Control
Local Control N/S and Proportionate E/W
Local Control E/W and Proportionate N/S
Your Established Corner

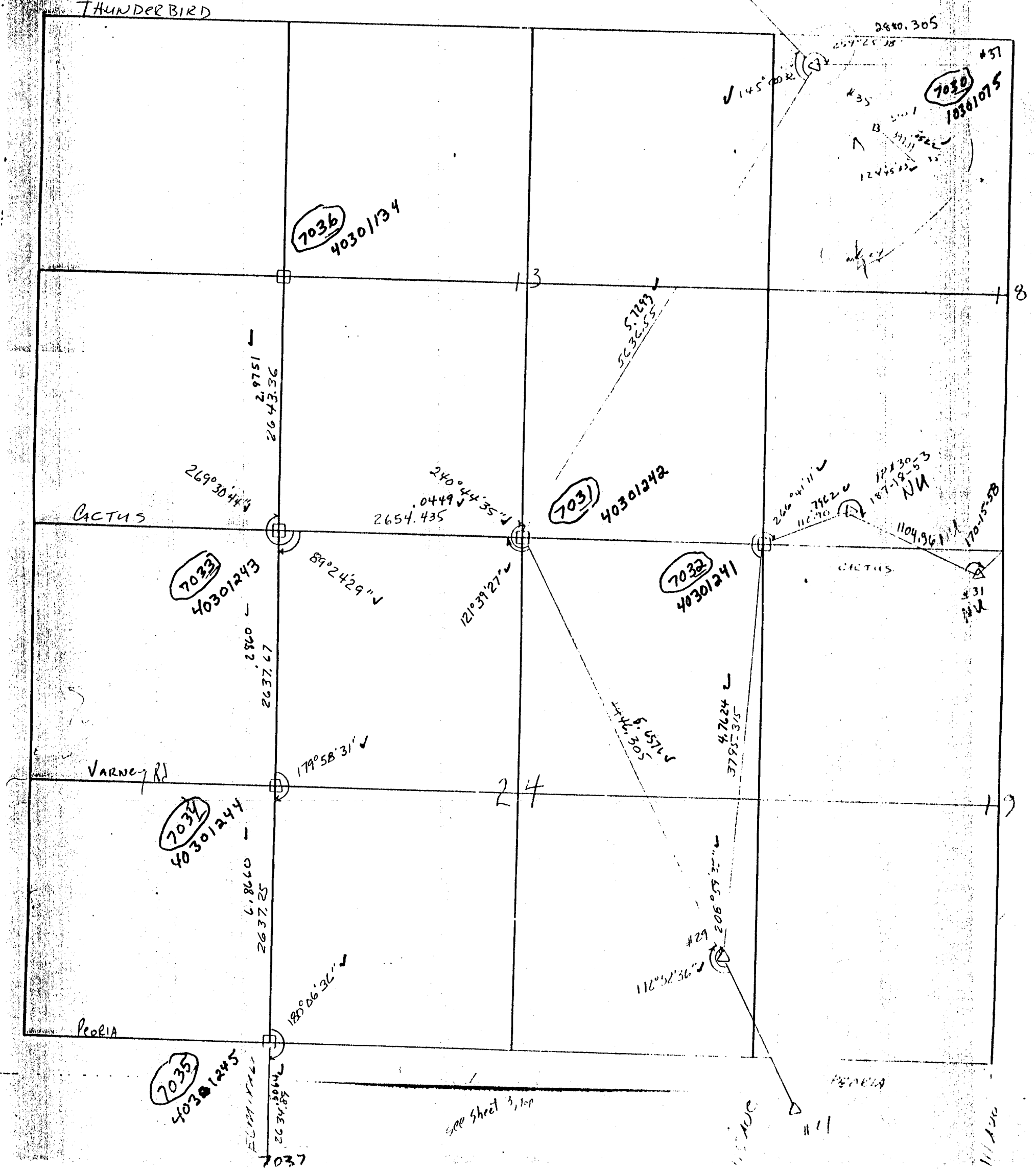
Not Needed Not Cal'd Not Required



PROJECT AGUATRIA GROUP No. 95010
SECTION (S)
TOWNSHIP RANGE
MERIDIAN, STATE
SHEET No. 5 OF SHEETS

CADASTRAL SURVEY
RANDOM / TRUE DIAGRAM
Scale
quarter section (1 inch = 5 Chs)
one section (1 inch = 10 Chs)
four sections (1 inch = 20 Chs)

Open symbol when not remonumented – Closed symbol when you monument
GLO or BLM Monument
Accepted Local Corner for Control
Local Control N/S and Proportionate E/W
Local Control E/W and Proportionate N/S
Your Established Corner



PROJECT AGUA FRIA GROUP No. 95010

SECTION (S)

TOWNSHIP RANGE

MERIDIAN, STATE

SHEET No. 4 OF SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

quarter section (1 inch = 5 Chs)

one section (1 inch = 10 Chs)

four sections (1 inch = 20 Chs)

Open symbol when not remonumented -- Closed symbol when you monument

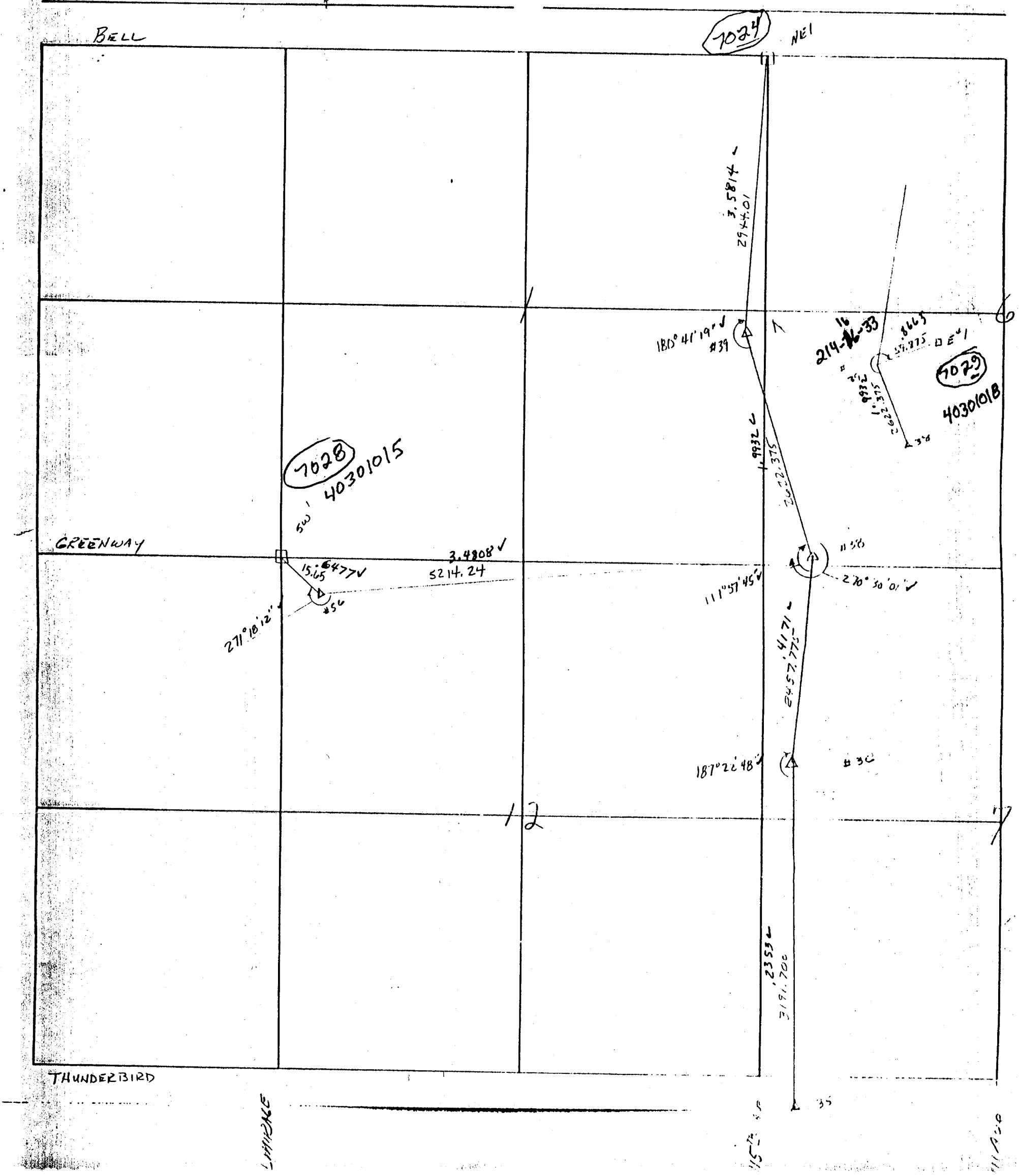
GLO or BLM Monument

Accepted Local Corner for Control

Local Control N/S and Proportionate E/W

Local Control E/W and Proportionate N/S

Your Established Corner



PROJECT 1614 FRIA ~~GROUP~~ No. 95010

SECTION (S)

TOWNSHIP RANGE

MERIDIAN, STATE

SHEET No. 7 OF SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

quarter section (1 inch = 5 Chs)

one section (1 inch = 10 Chs)

four sections (1 inch = 20 Chs)

Open symbol when not remonumented · Closed symbol when you monument

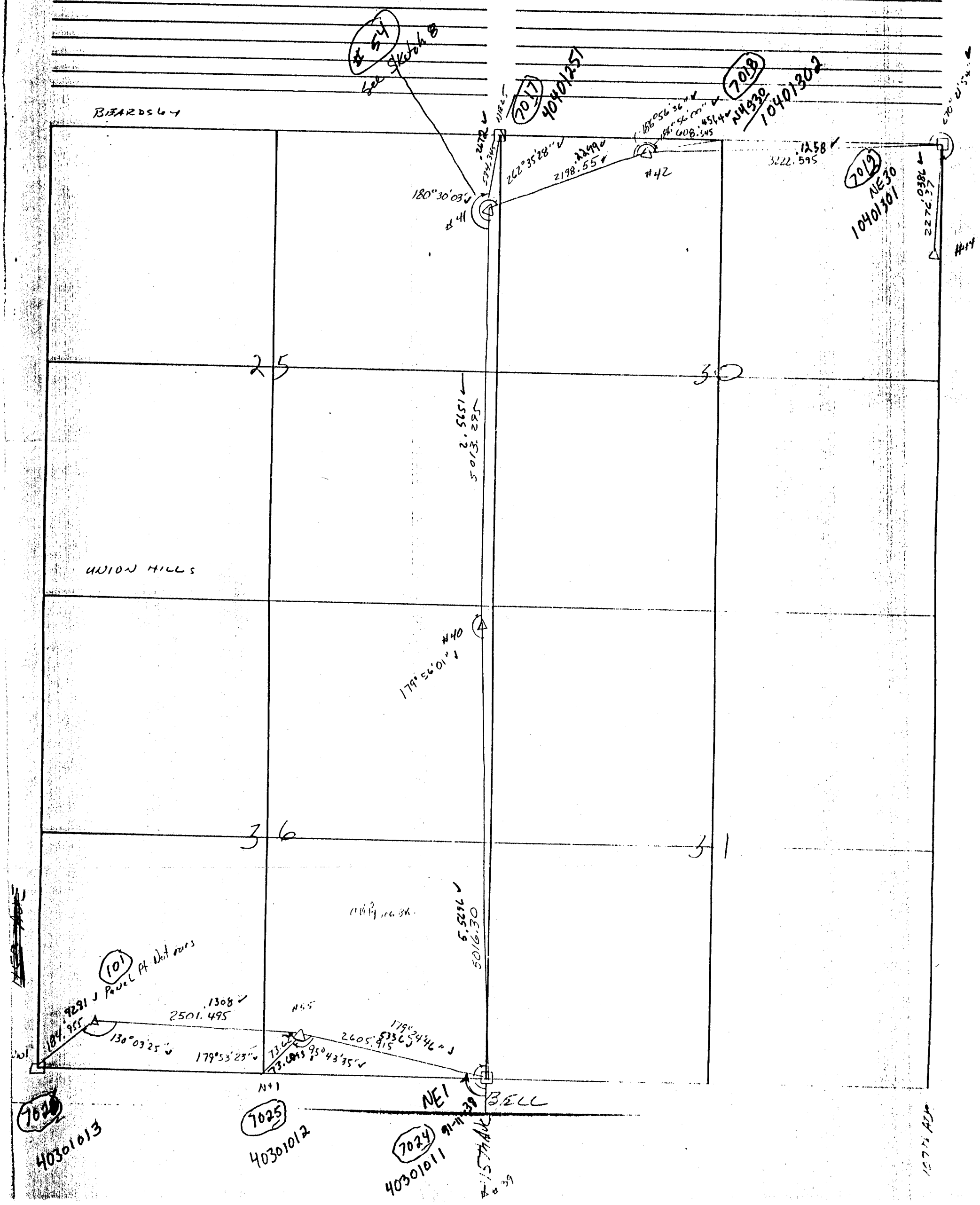
GLO or BLM Monument

Accepted Local Corner for Control

Local Control N/S and Proportionate E/W

Local Control E/W and Proportionate N/S

Your Established Corner



PROJECT. "UA FRIZ GROUP No. 95010

SECTION (S)

TOWNSHIP RANGE

MERIDIAN, STATE

SHEET No. 7-"A" OF SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

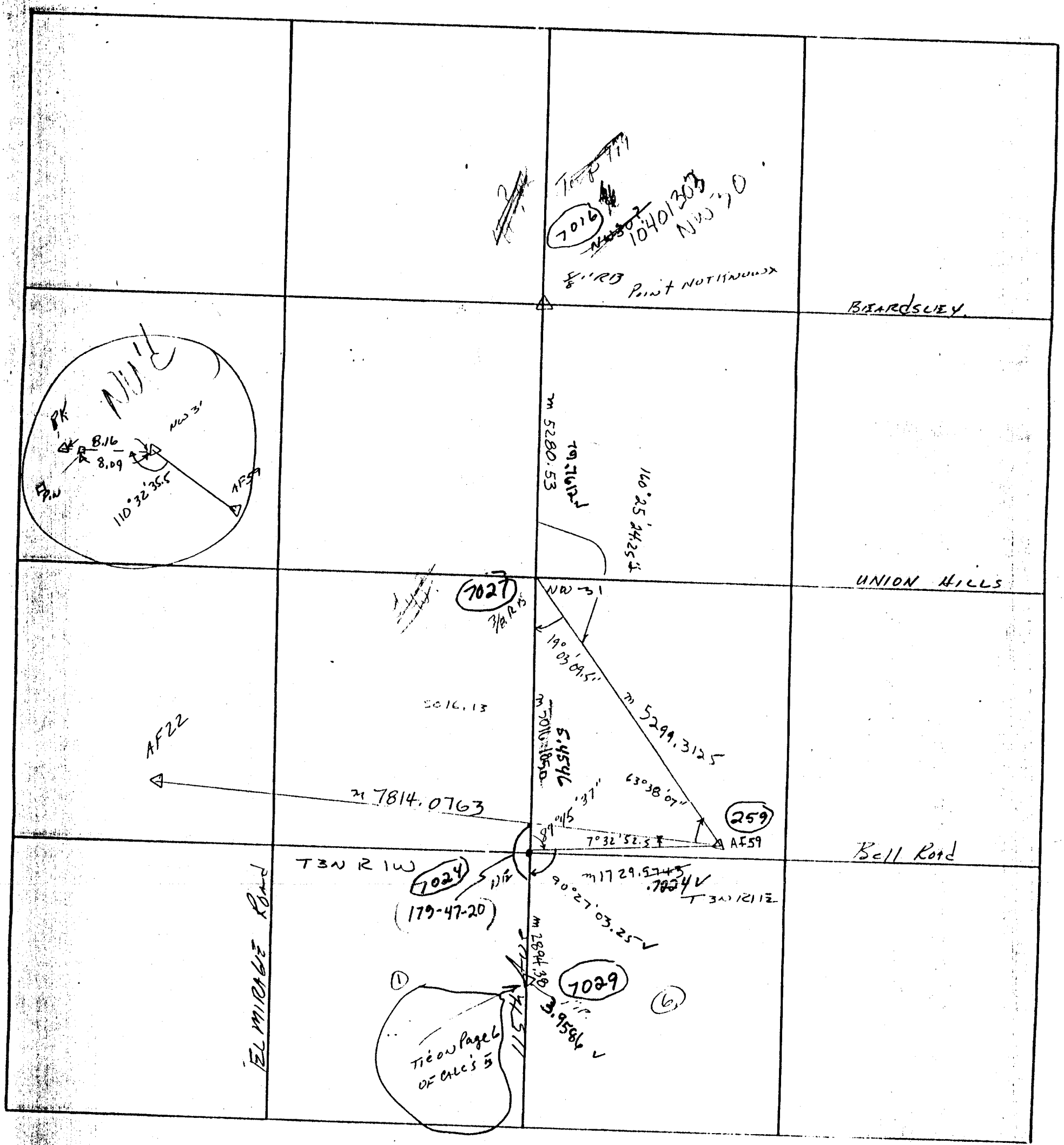
quarter section (1 inch = 5 Chs)

one section (1 inch = 10 Chs)

four sections (1 inch = 20 Chs)

Open symbol when not remonumented – Closed symbol when you monument

- GLO or BLM Monument
- Accepted Local Corner for Control
- Local Control N/S and Proportionate E/W
- Local Control E/W and Proportionate N/S
- Your Established Corner



PROJECT 16U4 FRIA GROUP No. 95010

SECTION (S) _____

TOWNSHIP _____ RANGE _____

_____ MERIDIAN, STATE _____

SHEET No. 7-"B" OF _____ SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

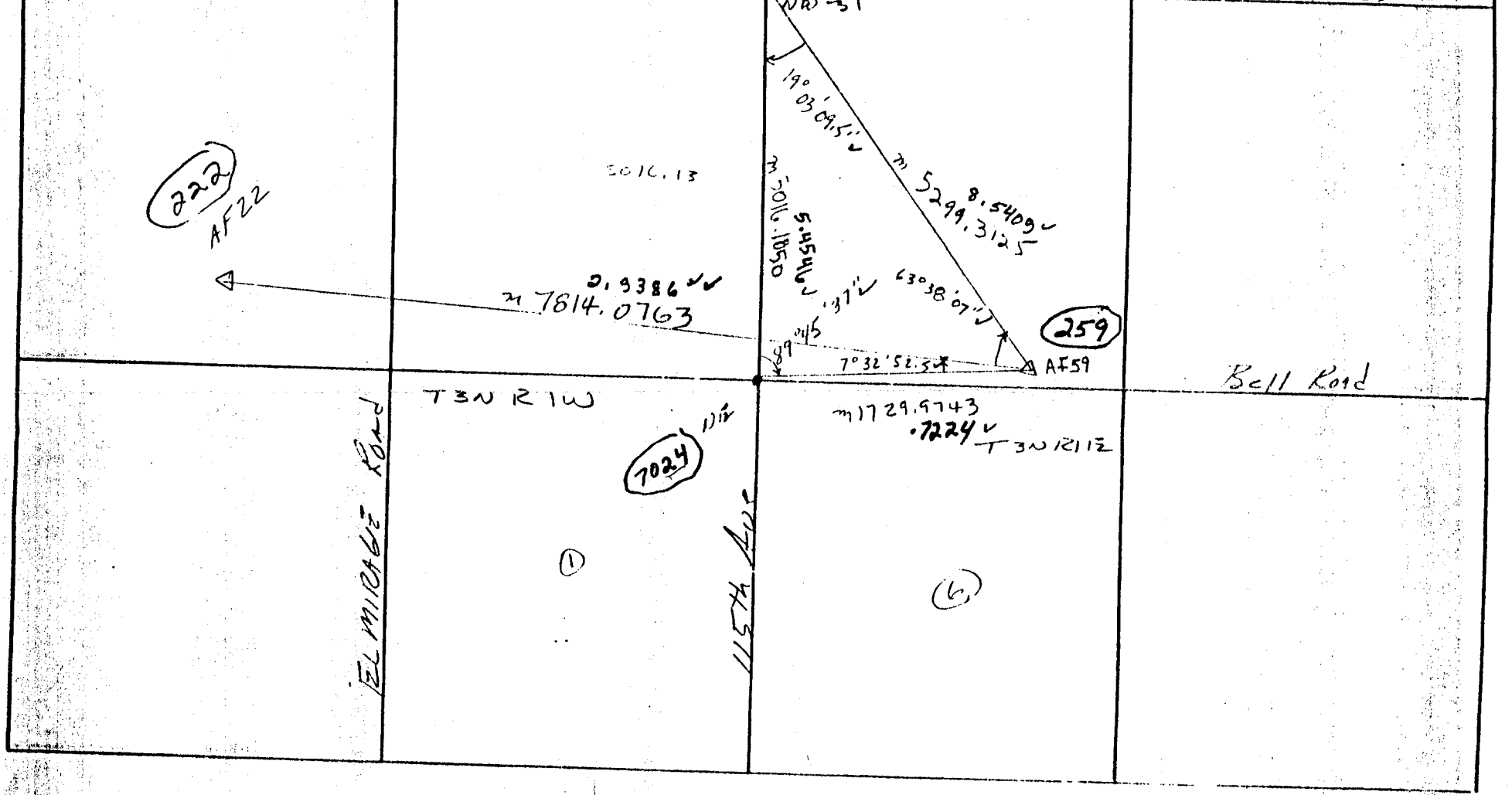
quarter section (1 inch = 5 Chs)

one section (1 inch = 10 Chs)

four sections (1 inch = 20 Chs)

Open symbol when not remonumented – Closed symbol when you monument

- GLO or BLM Monument
- Accepted Local Corner for Control
- Local Control N/S and Proportionate E/W
- Local Control E/W and Proportionate N/S
- Your Established Corner



PROJECT AGUA FRIA GROUP No. 95010

SECTION (S) _____

TOWNSHIP _____ RANGE _____

_____ MERIDIAN, STATE _____

SHEET No. 7 "C" OF _____ SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

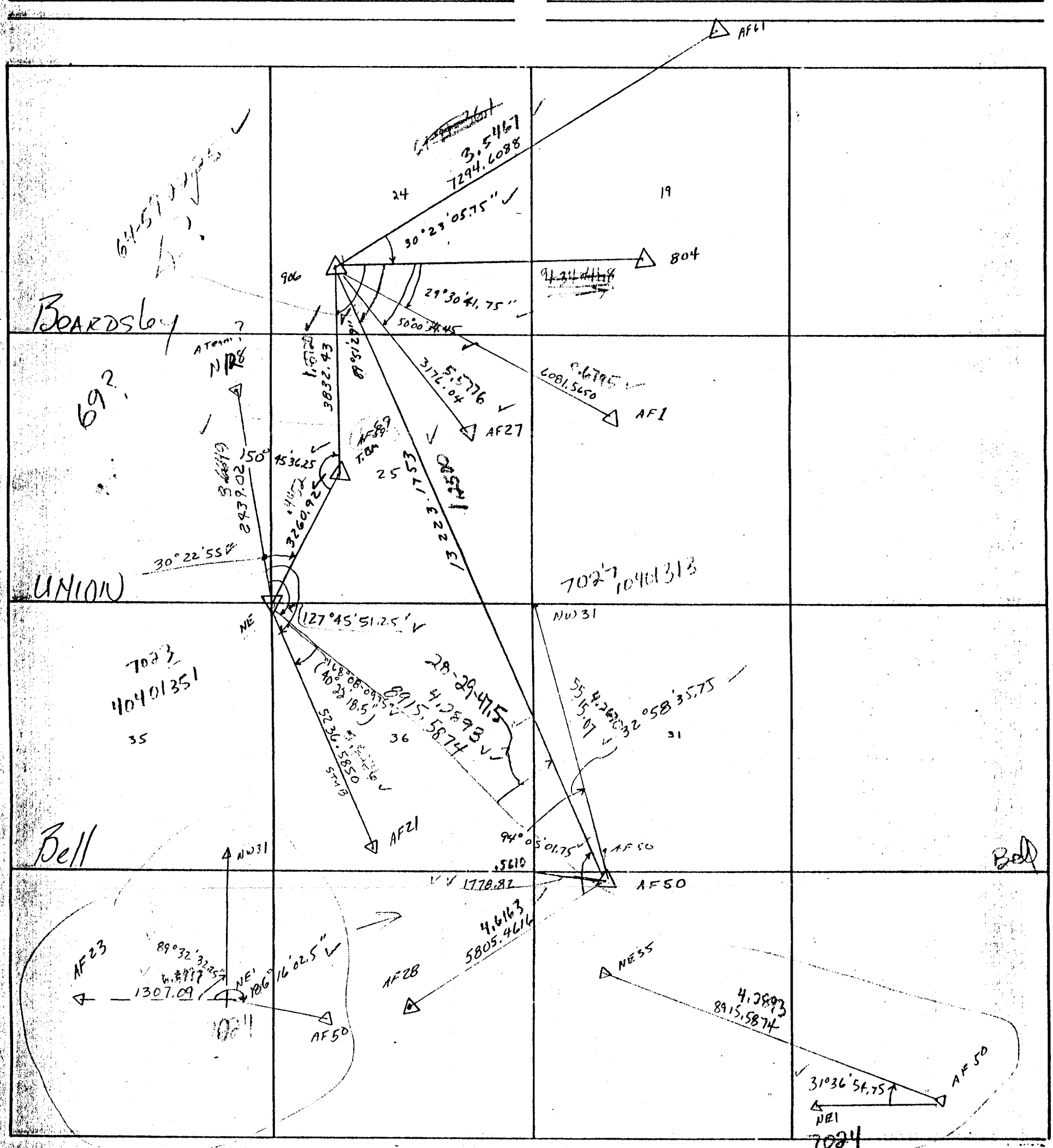
quarter section (1 inch = 5 Chs)

one section (1 inch = 10 Chs)

four sections (1 inch = 20 Chs.)

Open symbol when not remonumented – Closed symbol when you monument

- GLO or BLM Monument
- Accepted Local Corner for Control
- Local Control N/S and Proportionate E/W
- Local Control E/W and Proportionate N/S
- Your Established Corner



PROJECT AGUA FRIA GROUP No. 95010

SECTION (S) _____

TOWNSHIP _____ RANGE _____

MERIDIAN, STATE _____

SHEET No. 8 OF _____ SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

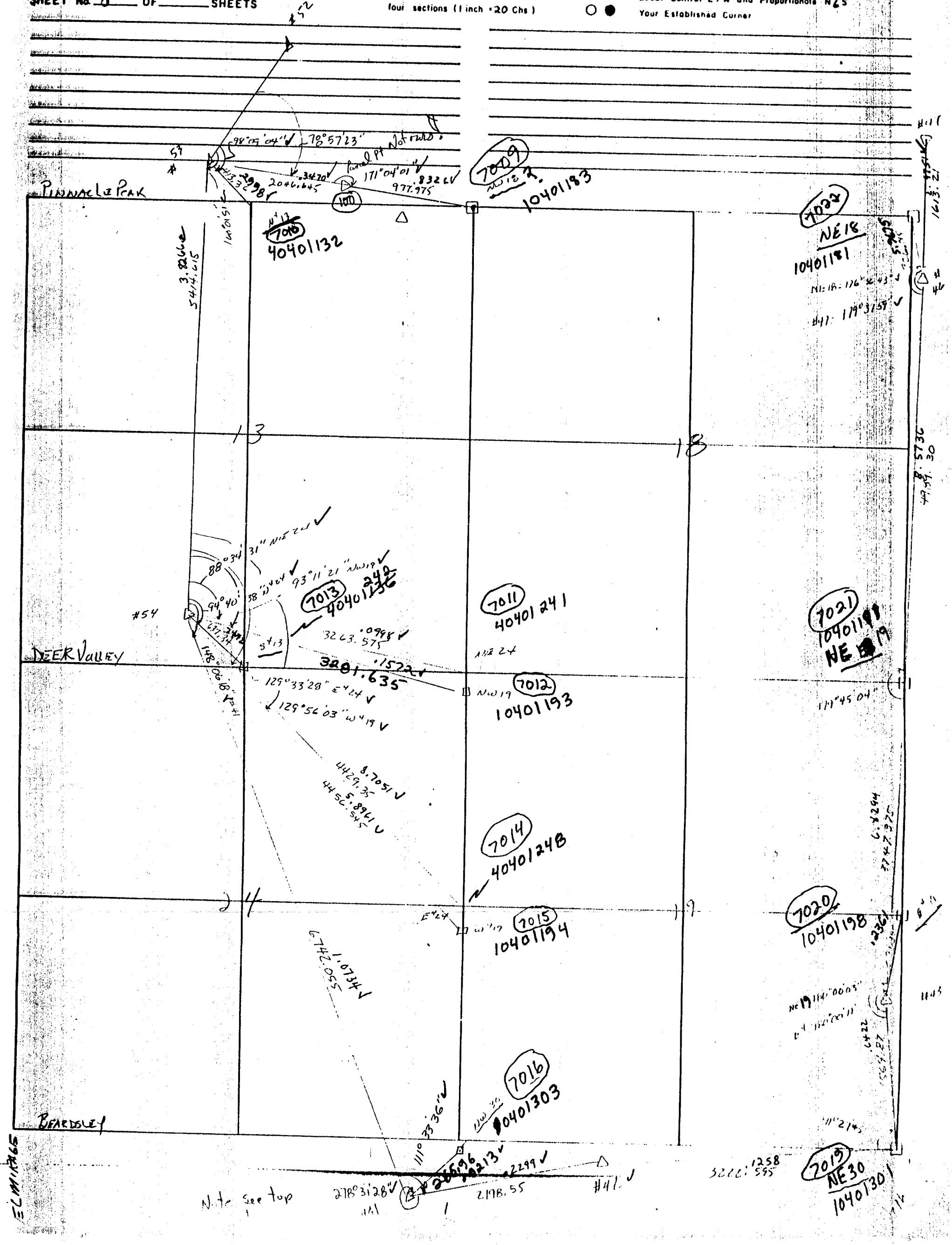
quarter section (1 inch = 5 Chs)

one section (1 inch = 10 Chs)

four sections (1 inch = 20 Chs)

Open symbol when not remonumented – Closed symbol when you monument

- GLO or BLM Monument
- Accepted Local Corner for Control
- Local Control N/S and Proportionate E/W
- Local Control E/W and Proportionate N&S
- Your Established Corner



PROJECT AGUA FRIA GROUP No. 95010

SECTION (S)

TOWNSHIP RANGE

MERIDIAN, STATE

SHEET No. 8-"A" OF SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

quarter section (1 inch = 5 Chs.)

one section (1 inch = 10 Chs.)

four sections (1 inch = 20 Chs.)

Open symbol when not remonumented – Closed symbol when you monument

◊ ♦ GLO or BLM Monument

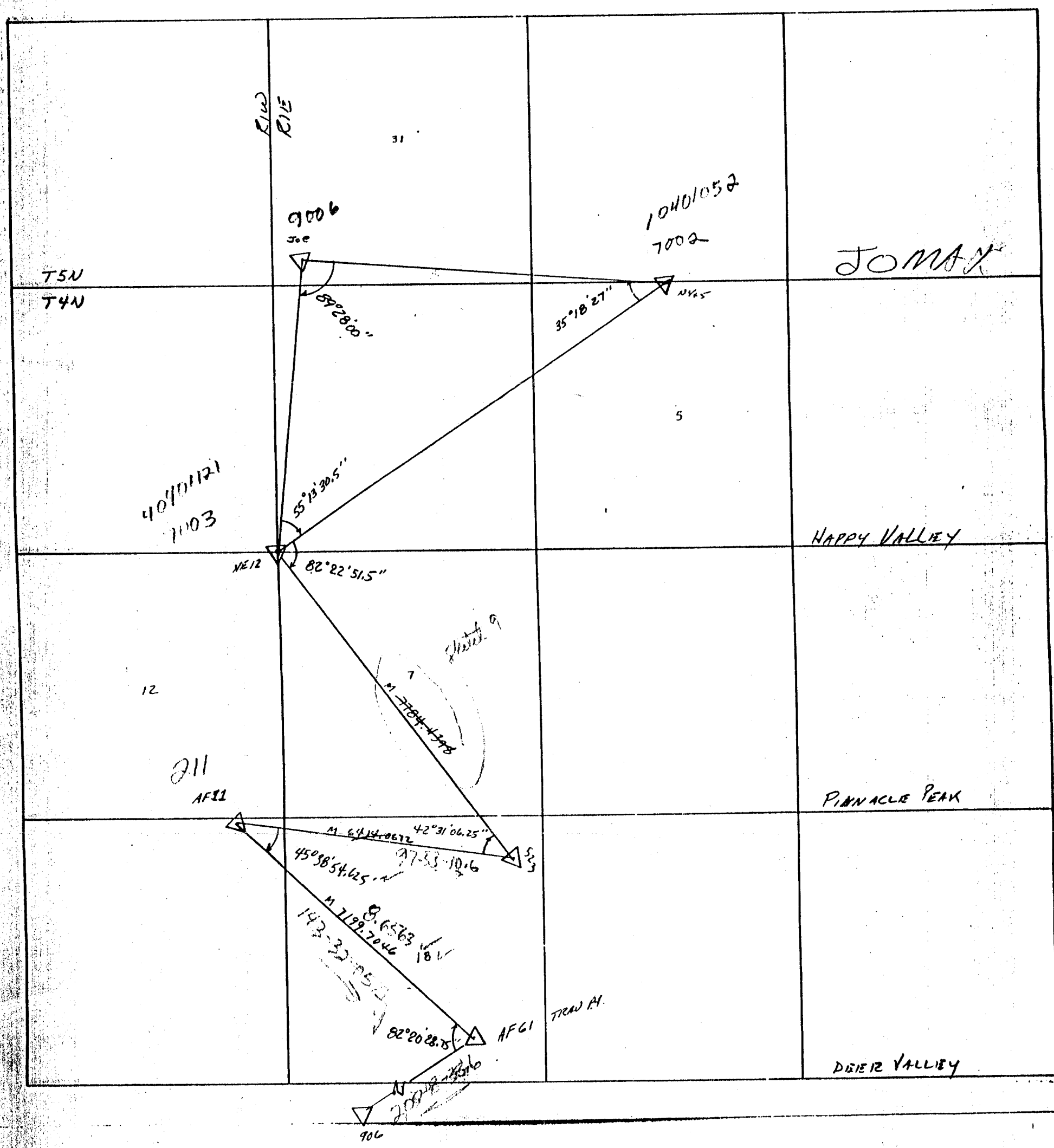
□ ■ Accepted Local Corner for Control

Local Control N/S and Proportionate E/W

Local Control E/W and Proportionate N/S

○ ● Your Established Corner

95010 Ground TRAV.



PROJECT AGUA FRIA ~~GROUP~~ No. 95010

SECTION (S) _____

TOWNSHIP _____ RANGE _____

_____ MERIDIAN, STATE _____

SHEET No. 9 OF _____ SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

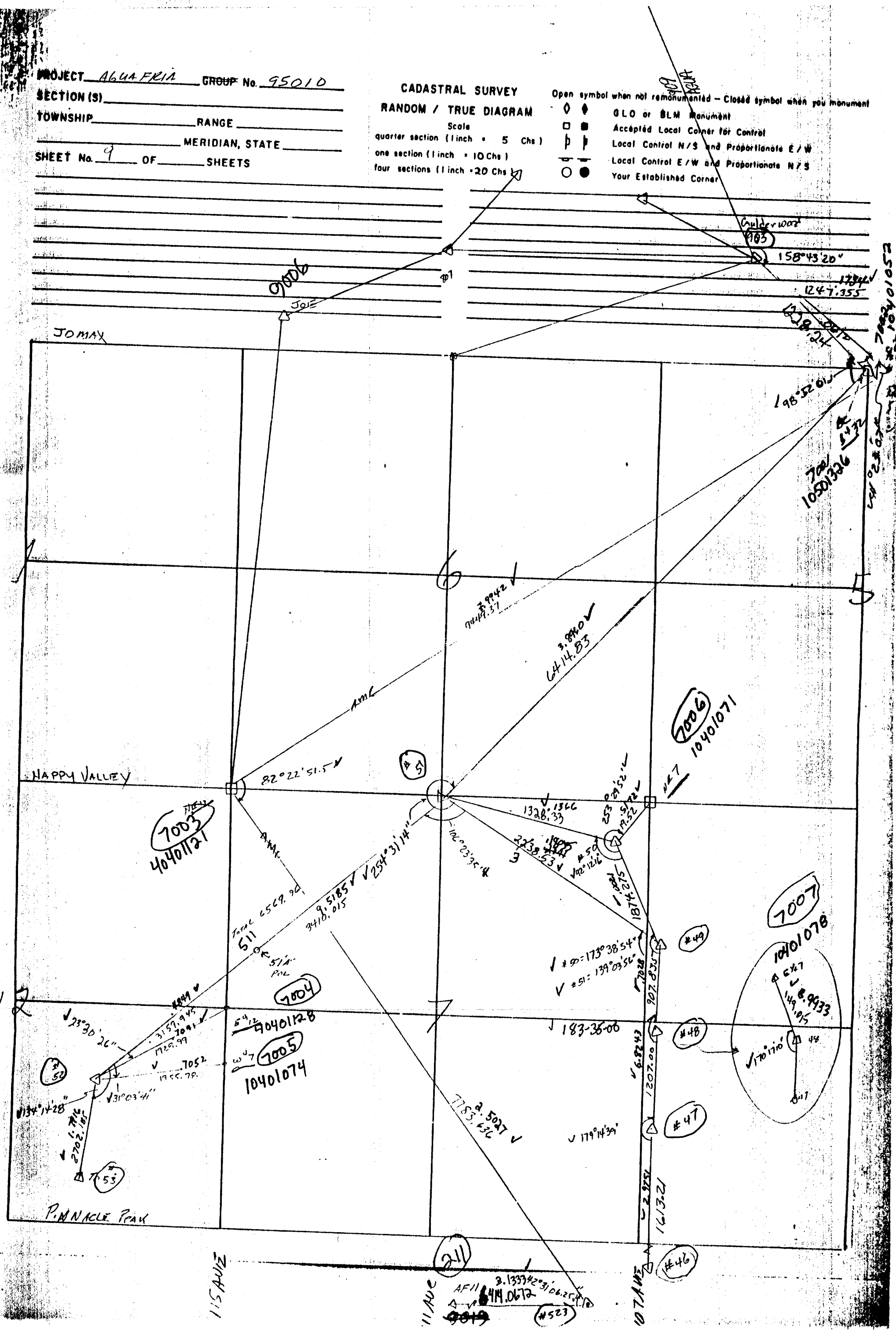
quarter section (1 inch = 5 Chs)

one section (1 inch = 10 Chs)

four sections (1 inch = 20 Chs)

Open symbol when not remonumented – Closed symbol when you monument

- ◊ ♦ GLO or BLM Monument
- □ ■ Accepted Local Corner for Control
- ⊢ ⊣ Local Control N/S and Proportionate E/W
- ⊥ ⊥ Local Control E/W and Proportionate N/S
- ○ ● Your Established Corner



PROJECT AGUA FRIA ~~GROUP~~ No. 95010

SECTION (S)

TOWNSHIP RANGE

MERIDIAN, STATE

SHEET No. 10 OF SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

quarter section (1 inch = 5 Chs)

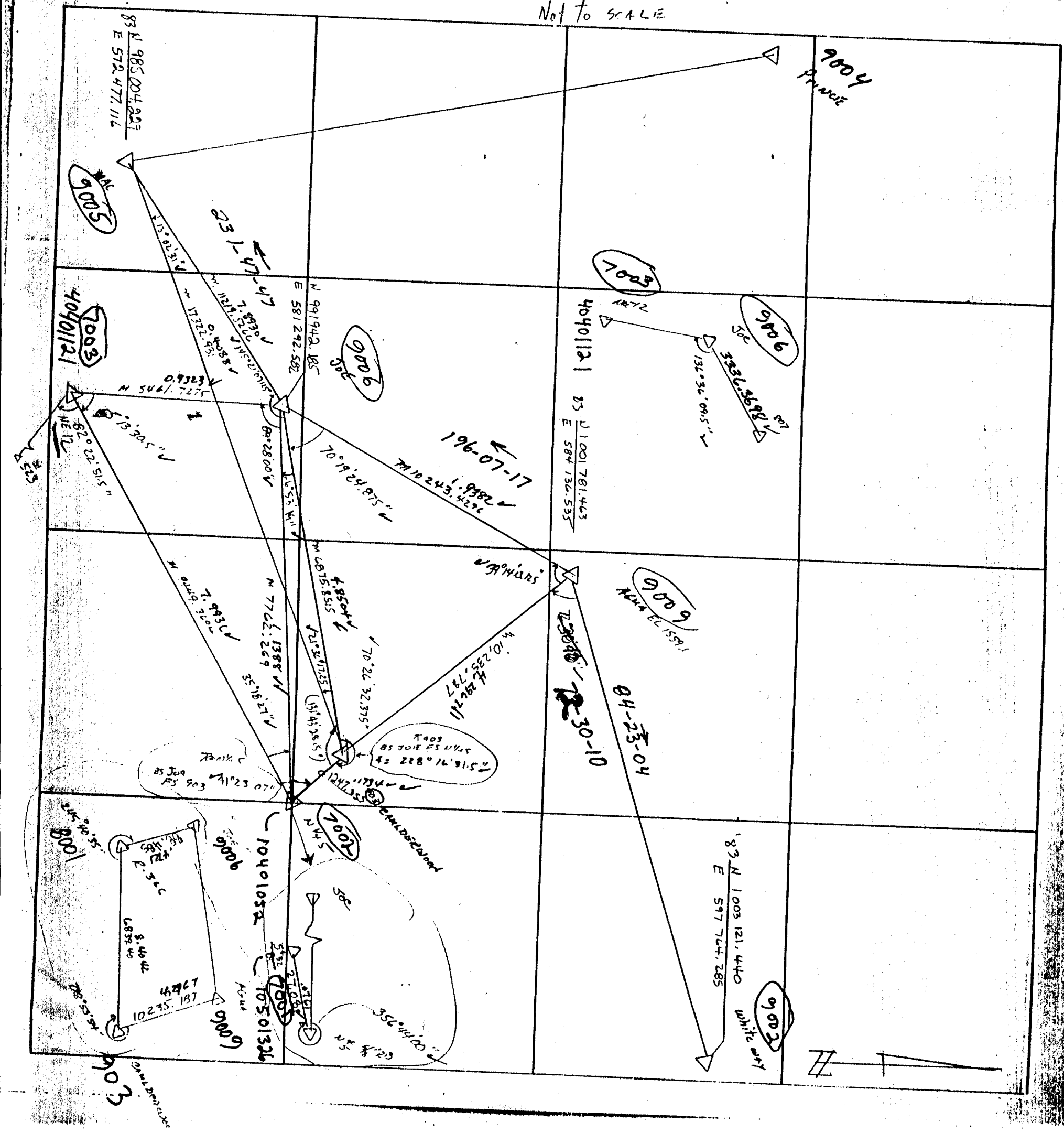
one section (1 inch = 10 Chs)

four sections (1 inch = 20 Chs)

Open symbol when not remonumented – Closed symbol when you monument

- GLO or BLM Monument
- Accepted Local Corner for Control
- Local Control N/S and Proportionate E/W
- Local Control E/W and Proportionate N/S
- Your Established Corner

Not to SCALE



PROJECT A6441F21A ~~GROUP~~ No. 95010

SECTION (S) _____

TOWNSHIP _____ RANGE _____

_____ MERIDIAN, STATE _____

SHEET No. 11 OF _____ SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

quarter section (1 inch = 5 Chs)

one section (1 inch = 10 Chs)

four sections (1 inch = 20 Chs)

Open symbol when not remonumented – Closed symbol when you monument

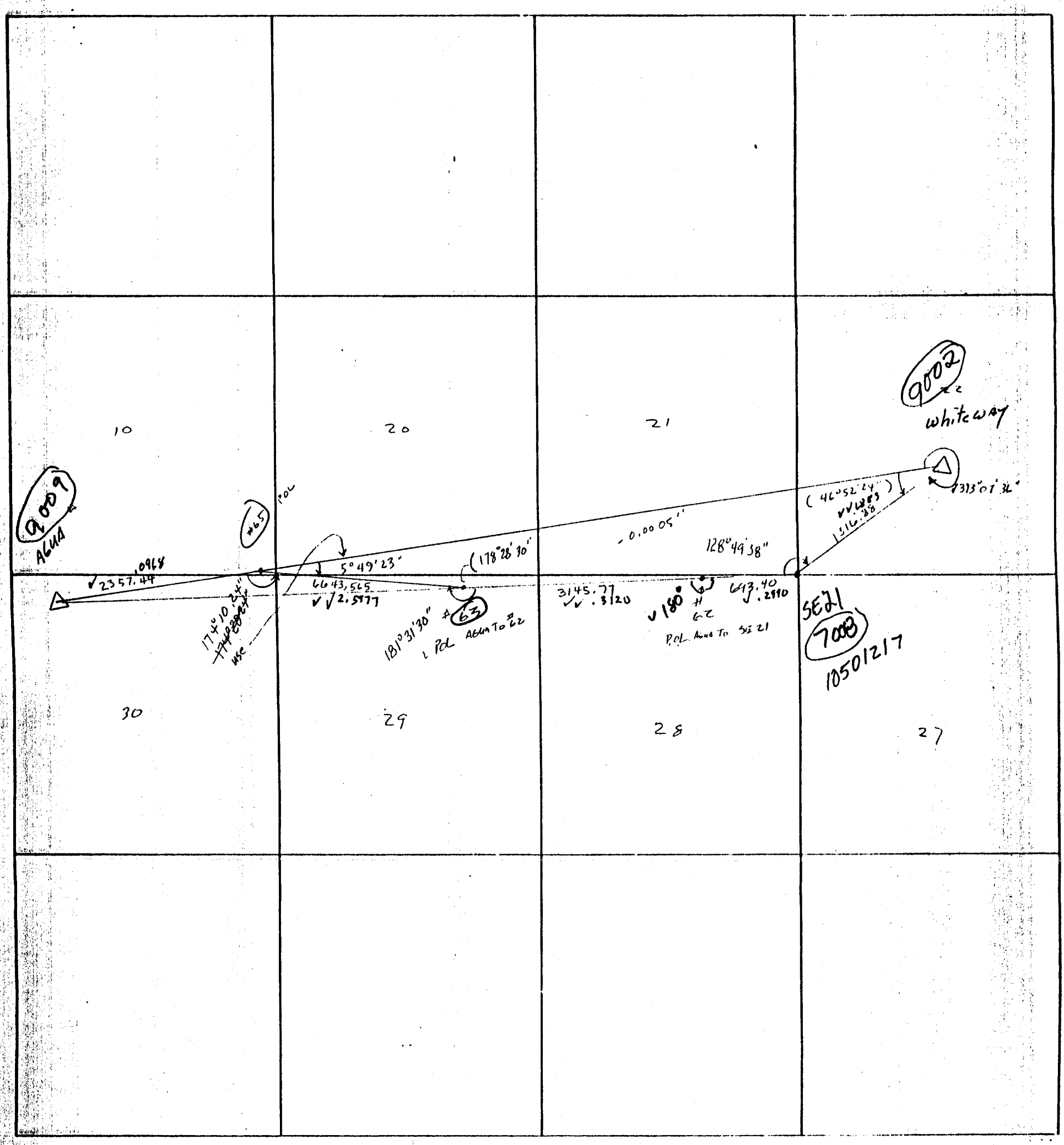
◊ ♦ GLO or BLM Monument

□ ■ Accepted Local Corner for Control

Local Control N/S and Proportionate E/W

Local Control E/W and Proportionate N/S

○ ● Your Established Corner



PROJECT AGUA FRIA GROUP No. 95010

SECTION (S) _____

TOWNSHIP _____ RANGE _____

_____ MERIDIAN, STATE _____

SHEET No. 12 OF _____ SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

quarter section (1 inch = 5 Chs)

one section (1 inch = 10 Chs)

four sections (1 inch = 20 Chs)

Open symbol when not remonumented – Closed symbol when you monument

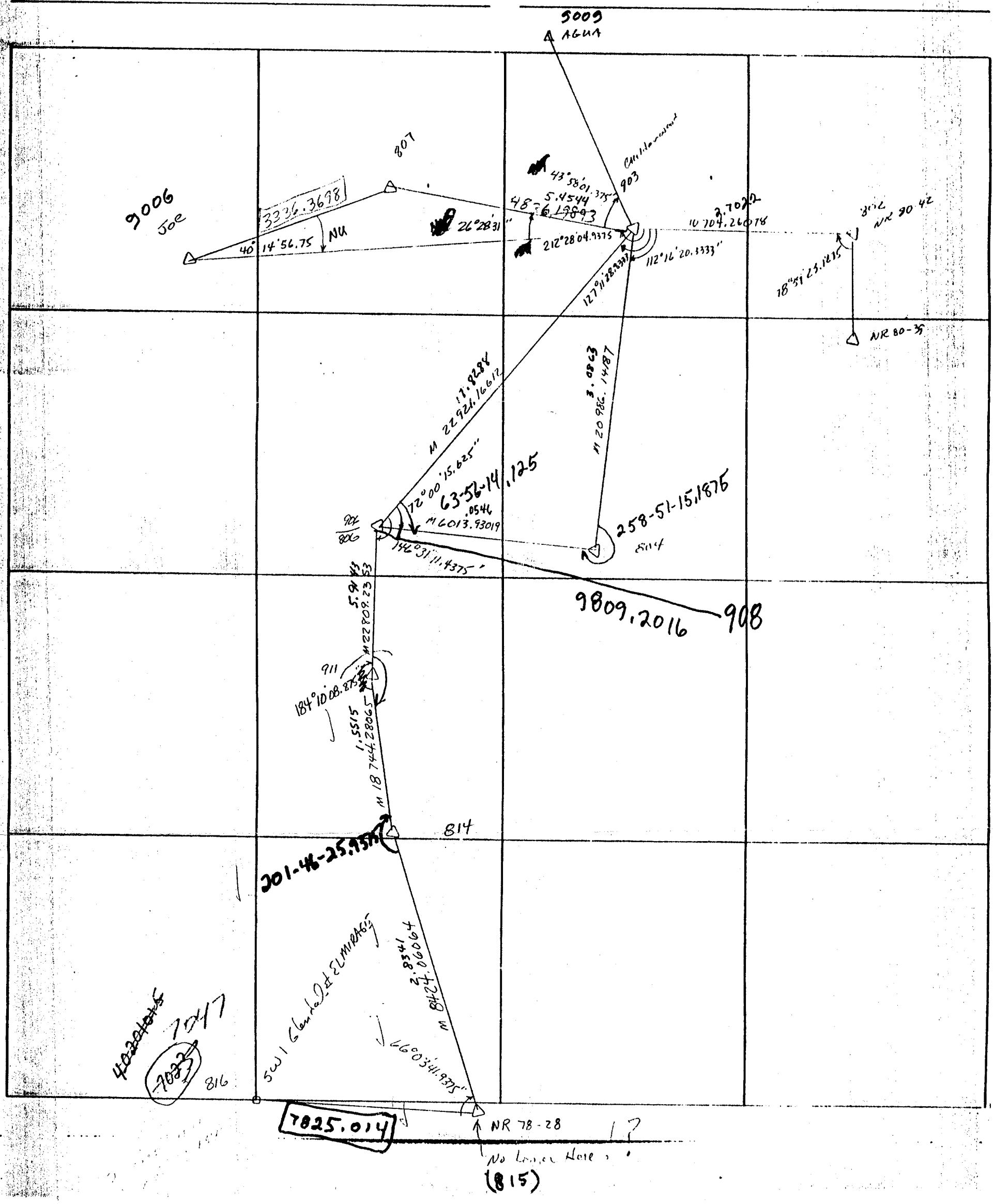
GLO or BLM Monument

Accepted Local Corner for Control

Local Control N/S and Proportionate E/W

Local Control E/W and Proportionate N/S

Your Established Corner



95010.pts

8001	1353.37700	BM R366
8002	1317.00200	BM S366
8003	1253.27500	BM M266 PMK -0.27
8004	1247.24800	BM L365
7022	1257.36200	PEORIA BMJ5 PMK -0.40
8008	1084.64300	BM 417K
8009	1033.18400	BM 417 D 1
8010	1118.52800	PEORIA BM R9
7040	1088.02000	BM USCE '84 PMK +0.50
8011	1238.52600	PEORIA BM R5
204	1337.99909	AF 4 PMK FLUSH
7071	1325.41118	10501319 C4S31
807	1332.85188	807 PMK -0.20
4001	1306.80676	TBM6
4002	1265.98094	TBM1
203	1270.37094	AF 3 PMK -0.14
544	1263.88942	544-84 PMK FLUSH
7072	1257.42942	10401061 NE6 PMK +0.28
205	1257.15152	AF 5 PMK -0.13
4003	1248.65450	TBM2
206	1291.85950	AF 6 PMK -0.19
522	1250.98930	522-84 PMK -0.096
4004	1241.14401	TBM2-90
208	1236.18170	AF 8 PMK FLUSH
209	1232.37440	AF 9 PMK -0.12
4010	1270.57980	TBM1-90
829	1269.07840	829-90 PMK FLUSH
211	1252.79503	AF 11 PMK -0.21
7005	1259.25712	10401074 W4S7 PMK FLUSH
4006	1265.85802	TBM9
210	1259.61202	AF 10 PMK -0.682
7003	1274.01522	40401121 NE12
4005	1273.60171	TBM11
520	1275.52171	520-84 PMK -0.08
513	1293.94331	513-90 PMK FLUSH
207	1245.35901	AF 7 PMK -0.22
523	1258.25088	523-84 PMK -0.18
213	1221.92088	AF 13 VAPMK -0.22
524	1248.90638	524-83 PMK -0.21
214	1209.70638	AF 14 VAPMK FLUSH
526	1238.23260	526-83 PMK -0.11
215	1232.78796	AF 15 PMK -0.29
804	1225.47591	804-83 PMK -0.14
906	1248.10070	906-83 PMK -0.11
217	1264.84377	AF 17 PMK -0.24
4007	1214.67608	TBM8
216	1201.97702	AF 16 PMK -0.29
7013	1219.60697	40401242 N4S24PMK -0.13
212	1225.72876	AF 12 PMK -0.23
525	1232.02264	525-83 PMK FLUSH
7018	1221.52385	10401302 N4S30
201	1214.54578	AF 1 PMK -0.10
7073	1174.86270	40401361 NE36
225	1176.45056	AF 25 PMK FLUSH
999	1166.77766	FD TGT 115&GROVERS
4009	1161.20048	TBM4
7024	1162.70867	40301011 NE1 PMK +0.44
223	1163.12231	AF 23 PMK FLUSH
224	1164.90231	AF 24 PMK -0.21
221	1172.34820	AF 21 PMK -0.17
4008	1174.64446	TBM5
7026	1176.19446	40301013 NW1 PMK ?
222	1180.77946	AF 22 PMK FLUSH
220	1197.68533	AF 20 PMK -0.10
269	1230.65685	AF 69

219	1212.31993	AF 19		PMK -0.18	
226	1170.48525	AF 26		PMK -0.20	
7029	1145.71867	40301018 E4S1		PMK +0.61	NORTH LEG
250	1196.26736	AF 50		PMK -0.16	
232	1170.28430	AF 32	PMK -0.18		
812	1154.93689	812-83	PMK -0.13		
233	1149.87602	AF 33		PMK -0.16	
8005	1136.58558	BM RV87 UNSTABLE			
228	1153.91197	AF 28	PMK -0.52		
4013	1162.48751	TBM13			
236	1149.74939	AF 36	PMK FLUSH		
230	1136.59181	AF 30	PMK -0.12		
258	1131.81370	AF 58		PMK FLUSH	
4012	1130.01706	TBM12			
229	1123.88097	AF 29			
7030	1120.88885	10301075 SW7			
8006	1148.84731	BM 2346F			
8007	1148.76825	BM U23			
231	1115.73640	AF 31	PMK -0.10		
234	1107.52954	AF 34		PMK -0.12	
4029	1109.18801	TBM MH			
251	1100.39268	AF 51		PMK -0.13	
235	1089.01734	AF 35		PMK FLUSH	
7044	1093.08431	40301251 NE25			
297	1122.69129	AF 97			
298	1123.11371	AF 98			
289	1125.70442	AF 89		PMK FLUSH	
265	1134.10760	AF 65			
264	1133.62666	AF 64			
7070	1135.38086	40301141 NE14			
7033	1117.41021	40301243 NW24	PMK ELEV		BC -0.62
7034	1107.91989	40301244 W4S24	PMK +0.51		
7035	1105.82957	40301245 SW24	PMK +0.48		
4015	1106.44041	TBM15			
7041	1106.08429	10301312 N4S31			
237	1113.42929	AF 37			
7042	1090.08642	10301313 NW31			
4014	1079.96968	TBM14			
242	1071.90468	AF 42			
4018	1092.79743	TBM18			
4019	1092.83069	TBM19			
7038	1096.40170	40301255 SW25			
7037	1100.60073	40301154 W4S25			
7039	1089.52732	40301364 W4S36			
7053	1058.96010	40201012 N4S1	PMK +0.20		
7052	1064.65851	40201011 NE1	PMK +0.46		
4017	1064.47188	TBM17			
7074	1080.07861	10201062 N4S6	PMK +0.60		
238	1094.94998	AF 38	PMK FLUSH		
BCB	1086.79957	BCB			
N4S5	1085.95683	N4S5 2N1E			
NE6	1092.07272	NE6 2N1E ACDC TIE			
4016	1092.66745	TBM16			
257	1105.93745	AF 57	PMK FLUSH		
243	1083.57745	AF 43	PMK FLUSH		
538	1104.77041	538-84	PMK FLUSH		
7027	1174.00270	10401313 NW31			
7023	1203.08950				
7025	1165.76937				
7075	1054.58817	10201072 N4S7			
240	1055.22617	AF 40		PMK FLUSH	
241	1055.24217	AF 41	PMK FLUSH		
7050	1053.91818	40201121 NE12	PMK +0.56		
253	1042.54818	AF 53	PMK -0.14		
7049	1055.79818	40201122 N4S12	PMK FLUSH		

4021	1054.38818	TBM21			
256	1058.57818	AF 56		PMK	-0.09
TP?	1065.60218	TP?			
7047	1063.66818	40201123	NW12	PMK	+0.55
239	1059.30043	AF 39		PMK	FLUSH
4020	1053.25382	TBM20			
263	1048.20947	AF 63		PMK	FLUSH
244	1042.55076	AF 44		PMK	FLUSH
7062	1036.29636	40201133	NW13	PMK	+0.19
7048	1046.55727	40201134	W4S13	PMK	+0.04
4022	1041.94076	TBM22			
245	1037.59076	AF 45		PMK	-0.06
4023	1036.84109	TBM23			
7061	1026.36273	40201242	N4S24	PMK	+0.54
7064	1026.55019	40201243	NW24	PMK	+0.40
TPP?	1034.75891	TPP?			
7063	1030.75546	40201134	W4S13	PMK	+0.57
7058	1038.47398	40201241	NE24	PMK	FLUSH
4024	1036.93864	TBM24			
252	1032.65330	AF 52		PMK	FLUSH
7057	1032.92974	10201192	NES19	PMK	+0.31
246	1033.41262	AF 46		PMK	FLUSH
4025	1019.25482	TBM25			
4026	1019.47304	TBM26			
7068	1017.26347	10201196	S4S19	PMK	FLUSH
247	1019.18189	AF 47		PMK	FLUSH
248	1016.28201	AF 48		PMK	FLUSH
7060	1014.10838	40201247	SE24	PMK	+0.49
249	1019.33474	AF 49		PMK	FLUSH
4027	1022.54401	TBM27			
4028	1022.51110	TBM28			
7066	1016.03819	40201245	SW24	PMK	+0.37
7065	1025.38455	40201244	W4S24	PMK	+0.42

STAR*LEV Adjustment Program
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Serial Number 20574

STAR*LEV Version 1.27
Run Date : Tue Aug 15 14:21:43 1995

Summary of Files Used

Input Data File	: 95010.dat
Output Listing (This File)	: 95010.lst
Adjusted Elevations	: 95010.pts
Project Options	: 95010.prj
Error Log	: 95010.err

Summary of Options Used

Type of Run was Adjustment and Error Propagation

Print Input Data File	: Yes
Print Summary of All Input Observations	: Yes
Default Standard Error for Elevations	: FIXED
Section Length Units	: Turns
Default Std Error for Diff in Elevations	: 0.005000 Ft-Meters/Turn

Listing of Input Data File

```
[   1] # FCDMC 95010.DAT
[   2] #
[   3] # FIXED ELEVATIONS
[   4] #
[   5] E 8001 1353.377 ! 'BM R366
[   6] E 8002 1317.002 ! 'BM S366
[   7] E 8003 1253.275 ! 'BM M266     PMK -0.27
[   8] E 8004 1247.248 ! 'BM L365
[   9] E 7022 1257.362 ! 'PEORIA BMJ5 PMK -0.40
[  10] #E 8005 1137.1066 * 'BM RV87 UNSTABLE
[  11] #E 8006 1149.4452 * 'BM 2346F   "
[  12] #E 8007 1149.3527 * 'BM U23     "
[  13] E 8008 1084.643 ! 'BM 417K
[  14] E 8009 1033.184 ! 'BM 417 D 1
[  15] E 8010 1118.528 ! 'PEORIA BM R9
[  16] #E 7033 1117.394 ! 'BM USCE '84
[  17] E 7040 1088.02  ! 'BM USCE '84 PMK +0.50
[  18] E 8011 1238.526 ! 'PEORIA BM R5
[  19] #
[  20] #VERTICAL OBSERVED DIFFERENCES
[  21] #
[  22] V 8002-204    20.995  3  'AF 4           PMK FLUSH
[  23] V 204-7071   -12.59   3  '10501319 C4S31
[  24] V 7071-807     7.44   1  '807            PMK -0.20
[  25] V 807-4001   -26.05   7  'TBM6
[  26] V 4001-4002  -40.83   6  'TBM1
[  27] V 4002-203     4.39   3  'AF 3           PMK -0.14
[  28] V 203-4002    -4.39   3  'TBM1
[  29] V 4002-544    -2.095  5  '544-84 PMK FLUSH
[  30] V 544-7072    -6.46   3  '10401061 NE6   PMK +0.28
[  31] V 7072-544     6.46   3  '544-84
[  32] V 544-205     -6.74   3  'AF 5           PMK -0.13
[  33] V 205-8003    -3.88   5  'BM M266
[  34] V 8003-4003   -4.62   5  'TBM2
[  35] V 4003-206    43.20   8  'AF 6           PMK -0.19
[  36] V 206-4003   -43.21   8  'TBM2
[  37] V 4003-522     2.335  2  '522-84         PMK -0.096
[  38] V 522-4004    -9.845  3  'TBM2-90
[  39] V 4004-208    -4.965  3  'AF 8           PMK FLUSH
[  40] V 208-209     -3.81   3  'AF 9            PMK -0.12
[  41] V 209-4010    38.20   6  'TBM1-90
[  42] V 4010-829    -1.505  4  '829-90         PMK FLUSH
[  43] V 829-7022   -11.72   4  'PEORIA BMJ5    PMK -0.40
[  44]
[  45] V 211-7005     6.46   7  '10401074 W4S7 PMK FLUSH
[  46] V 7005-4006    6.60   3  'TBM9
[  47] V 4006-210    -6.25   4  'AF 10           PMK -0.682
[  48] #V 210-4006     6.25   4  'TBM9
[  49] V 4006-7003    8.16   4  '40401121 NE12
[  50] V 7003-4005   -0.41   5  'TBM11
[  51] V 4005-520     1.92   4  '520-84         PMK -0.08
[  52] V 520-4005    -1.92   4  'TBM11
[  53] V 4005-513    20.35  12  '513-90         PMK FLUSH
[  54] V 513-8001    59.44   9  'BM R366
[  55]
[  56] V 210-4004   -18.48  12  'TBM2-90
[  57] V 4004-207     4.215  4  'AF 7            PMK -0.22
[  58] V 207-4004    -4.215  4  'TBM2-90
[  59] # END SKETCH ONE
[  60]
[  61] V 7022-523     0.885  2  '523-84 PMK -0.18
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[  62] V 523-213     -36.33   1 .05 'AF 13     VAPMK -0.22
[  63] V 523-524      -9.36   8  '524-83 PMK -0.21
[  64] V 524-214     -39.20   1 .05 'AF 14     VAPMK FLUSH
[  65] V 524-8004     -1.67   6  'BM L365
[  66] V 8004-526     -9.01   7  '526-83 PMK -0.11
[  67] V 526-215      -5.44   6  'AF 15           PMK -0.29
[  68] V 215-804      -7.31   3  '804-83 PMK -0.14
[  69] #V 804-7018     -3.92   4  '10401302 N4S30PMK FLUSH
[  70]
[  71] V 906-217      16.74   8  'AF 17           PMK -0.24
[  72] V 217-4007    -50.17   6  'TBM8
[  73] V 4007-216    -12.70  11  'AF 16           PMK -0.29
[  74] V 216-215      30.81  11  'AF 15           PMK -0.29
[  75]
[  76] V 4007-7013     4.93   3  '40401242 N4S24PMK -0.13
[  77] V 7013-212      6.12   6  'AF 12           PMK -0.23
[  78] V 212-525       6.29  13  '525-83 PMK FLUSH
[  79] V 525-211      20.77   8  'AF 11           PMK -0.21
[  80] # END SKETCH TWO
[  81]
[  82] V 7018-201     -6.98  10  'AF 1            PMK -0.10
[  83] V 201-7018      6.98   8  '10401302 N4S30
[  84] V 7018-8011    17.01   7  'PEORIA BM R5
[  85] #V 201-7073    -39.64  15  '40401361 NE36
[  86] V 7073-225      1.59   2  'AF 25           PMK FLUSH
[  87] V 225-201      38.10  11  'AF 1            PMK -0.10
[  88]
[  89] V 225-7073     -1.59   2  '40401361 NE36
[  90] V 7073-999     -8.10   7  'FD TGT 115&GROVERS
[  91] V 999-4009     -5.59   6  'TBM4
[  92] V 4009-7024     1.51   1  '40301011 NE1    PMK +0.44
[  93] #V 7024-4009    -1.51   1  'TBM4
[  94] V 4009-223      1.91   3  'AF 23           PMK FLUSH
[  95] V 223-224       1.78   9  'AF 24           PMK -0.21
[  96] V 224-223      -1.78   9  'AF 23           PMK FLUSH
[  97] V 223-221       9.22  10  'AF 21           PMK -0.17
[  98] V 221-4008      2.29   3  'TBM5
[  99] V 4008-7026     1.55   1  '40301013 NW1    PMK ?
[ 100] V 4008-222      6.135  7  'AF 22           PMK FLUSH
[ 101] V 222-4008     -6.135  7  'TBM5
[ 102] V 4008-220     23.02  10  'AF 20           PMK -0.10
[ 103] #V 220-7023      5.38   3  '40401351 NE35 PMK +0.60
[ 104] #V 7023-219      9.21   6  'AF 19          PMK -0.18
[ 105] #V 219-269      18.345  5  'AF 69
[ 106] V 269-906      17.44  10  '906-83 PMK -0.11
[ 107]
[ 108] V 219-226     -41.85   9  'AF 26           PMK -0.20
[ 109] V 226-225       5.95   9  'AF 25           PMK FLUSH
[ 110] # END OF SKETCH THREE
[ 111] .DATA OFF
[ 112] V 4009-223      1.91   3  'AF 23           PMK FLUSH
[ 113] V 223-221       9.22  10  'AF 21           PMK -0.17
[ 114] V 221-4008      2.29   3  'TBM5
[ 115] .DATA ON
[ 116] V 4008-7026     1.55   1  '40301013 NW1
[ 117] V 7024-7029   -16.99   7  '40301018 E4S1   PMK +0.61 NORTH LEG
[ 118] V 7029-7024    16.99   7  '40301011 NE1    PMK +0.44
[ 119] V 7024-250     33.56   6  'AF 50           PMK -0.16
[ 120] V 250-232     -25.98  14  'AF 32  PMK -0.18
[ 121] V 232-812     -15.345 11  '812-83 PMK -0.13
[ 122] V 812-233      -5.06   4  'AF 33           PMK -0.16
[ 123] V 233-8005    -13.29   2  'BM RV87 UNSTABLE
[ 124]
[ 125] V 221-228     -18.44  14  'AF 28  PMK -0.52
[ 126] V 228-4013      8.57   4  'TBM13
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[ 127] V 4013-228     -8.58   4  'AF 28
[ 128]
[ 129] V 4013-236    -12.74   7  'AF 36           PMK FLUSH
[ 130] .DATA OFF
[ 131] V 236-4013     12.75   3  'TBM13
[ 132] V 4013-7026    13.8    5 .1 '40301013 NW1
[ 133] .DATA ON
[ 134] V 236-230     -13.16   9  'AF 30           PMK -0.12
[ 135] V 230-258      -4.78   7  'AF 58           PMK FLUSH
[ 136] V 258-4012     -1.80   2  'TBM12
[ 137] #V 4012-229     -6.13   2  'AF 29          PMK FLUSH
[ 138] V 229-258       7.92   9  'AF 58
[ 139]
[ 140] V 8005-229    -12.71   9  'AF 29
[ 141] V 8005-7030   -15.69   4  '10301075 SW7
[ 142] V 7030-4012     9.14   7  'TBM12
[ 143] # END SKETCH FOUR
[ 144] .DATA ON
[ 145] V 8005-8006    12.26   4  'BM 2346F
[ 146] V 8005-8006    12.26   4  'BM 2346F
[ 147] V 8006-8007    -0.08   1  'BM U23
[ 148] V 229-231      -8.14   6  'AF 31           PMK -0.10
[ 149] V 231-234      -8.20   9  'AF 34           PMK -0.12
[ 150] V 234-4029      1.66   2  'TBM MH
[ 151] V 4029-251     -8.79   7  'AF 51           PMK -0.13
[ 152] V 251-235     -11.37   7  'AF 35           PMK FLUSH
[ 153] V 235-7044      4.07   3  '40301251 NE25
[ 154] V 7044-297     29.61   3  'AF 97
[ 155] V 297-298       0.42   1  'AF 98
[ 156] V 297-289       3.02   4  'AF 89           PMK FLUSH
[ 157] V 297-289       3.02   4  'AF 89           PMK FLUSH
[ 158]
[ 159] V 298-265      10.96  14  'AF 65
[ 160] #V 298-265      11.00  14  'AF 65
[ 161] V 265-264      -0.48   1  'AF 64
[ 162] V 264-8007     15.15   9  'BM U23
[ 163]
[ 164] V 229-7070     11.50   2  '40301141 NE14
[ 165] V 7070-7033   -17.97  12  '40301243 NW24 PMK ELEV     BC -0.62
[ 166] V 7033-7034    -9.49   6  '40301244 W4S24PMK +0.51
[ 167] V 7034-7035    -2.09   6  '40301245 SW24 PMK +0.48
[ 168] V 7035-235    -16.81   9  'AF 35          PMK FLUSH
[ 169] # END SKETCH FIVE
[ 170]
[ 171] #V 289-4015    -19.87  10  'TBM15
[ 172] V 4015-289     19.25  13  'AF 89          PMK FLUSH
[ 173] V 289-4015    -19.25  13  'TBM15
[ 174] V 4015-289     19.25  11  'AF 89          PMK FLUSH
[ 175] #V 289-4015    -19.28  11  'TBM15
[ 176]
[ 177] V 4015-7041    -0.35   1  '10301312 N4S31
[ 178] V 4015-7041    -0.36   1  '10301312 N4S31
[ 179]
[ 180] V 7041-237      7.34   2  'AF 37
[ 181] V 7041-237      7.35   2  'AF 37
[ 182] #V 237-7042    -23.31   7  '10301313 NW31
[ 183] V 7042-4014   -10.11   3  'TBM14
[ 184] #V 7042-4014   -10.09   3  'TBM14
[ 185]
[ 186] V 4014-242     -8.08   7  'AF 42
[ 187] V 242-4014      8.05   7  'TBM14
[ 188] V 4014-4018    12.83   2  'TBM18
[ 189] V 4014-4018    12.83   2  'TBM18
[ 190] V 4018-4019     0.04   3  'TBM19
[ 191] V 4019-7038     3.58   4  '40301255 SW25
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[ 192]
[ 193] V 7041-7042  -15.99   7  '10301313 NW31
[ 194] V 7042-7041   15.99   7  '10301312 N4S31
[ 195]
[ 196]
[ 197] V 7035-7037   -5.23   6  '40301154 W4S25
[ 198] V 7037-7038   -4.20   5  '40301255 SW25
[ 199] V 7038-7039   -6.86   7  '40301364 W4S36
[ 200] #V 7039-7040   -1.47   7  '40301365 SW36PMK +0.50
[ 201] V 7039-7040   -1.495  6  '40301365 SW36 PMK +0.50 FROM CVL RUN
[ 202] V 7040-7053  -29.07   6  '40201012 N4S1 PMK +0.20
[ 203] V 7053-7052    5.69   5  '40201011 NE1  PMK +0.46
[ 204] V 7052-4017   -0.19   2  'TBM17
[ 205] V 4017-7074   15.60   4  '10201062 N4S6 PMK +0.60
[ 206] V 7074-238    14.87   2  'AF 38         PMK FLUSH
[ 207] V 238-8008   -10.32  19  'BM 417K
[ 208] V 8008-BCB     2.16   5  'BCB
[ 209] V BCB-N4S5    -0.84   4  'N4S5 2N1E
[ 210] V N4S5-NE6     6.12   6  'NE6 2N1E ACDC TIE
[ 211] V NE6-238      2.88   4  'AF 38         PMK FLUSH
[ 212] V 238-7074   -14.87   2  '10201062 N4S6 PMK +0.60
[ 213] V 7074-4016   12.58   6  'TBM16
[ 214]
[ 215] V 7074-4016   12.59   8  'TBM16
[ 216] V 4016-7074  -12.59   8  '10201062 N4S6 PMK +0.60
[ 217]
[ 218] V 4016-257    13.27   2  'AF 57         PMK FLUSH
[ 219] V 257-4016   -13.27   2  'TBM16
[ 220] V 4016-243    -9.09   3  'AF 43         PMK FLUSH
[ 221] V 243-4016     9.09   3  'TBM16
[ 222] #V 4016-4015   13.74   4  'TBM15
[ 223]
[ 224] V 4016-4015   13.77   5  'TBM15
[ 225] V 4015-4016  -13.77   5  'TBM16
[ 226]
[ 227] V 4015-538    -1.67   1  '538-84        PMK FLUSH
[ 228] V 4015-538    -1.67   1  '538-84        PMK FLUSH
[ 229] # END SKETCH SIX
[ 230]
[ 231] #ADDED STUFF
[ 232] V 804-7018    -3.95   3  '10401302 N4S30PMK FLUSH
[ 233] V 7073-7027   -0.86   1  '10401313 NW31
[ 234] #V 4008-220    22.95   8  'AF 20         PMK -0.10
[ 235] V 7023-220    -5.40   2  'AF 20         PMK -0.10
[ 236] V 7023-219     9.22   5  'AF 19         PMK -0.18
[ 237] V 219-269     18.335  5  'AF 69
[ 238] V 7024-223     0.42   4  'AF 23         PMK FLUSH
[ 239] V 7025-223    -2.64   4  'AF 23         PMK FLUSH
[ 240] V 7025-221     6.57   5  'AF 21         PMK -0.17
[ 241] #V 4016-4015   13.81   5  'TBM15
[ 242] #V 7035-7038   -9.944  13 '40301255 SW25
[ 243] V 265-8010    -15.64  36  'PEORIA BM R9
[ 244] V 265-8010    -15.64  36  'PEORIA BM R9
[ 245] V 8004-8006  -98.405 63  'BM 2346F UNSTABLE
[ 246]
[ 247] V 7074-7075  -25.48  12  '10201072 N4S7
[ 248] V 7075-240     0.64   1  'AF 40         PMK FLUSH
[ 249] V 240-241      0.02   2  'AF 41         PMK FLUSH
[ 250] V 241-7050    -1.32   2  '40201121 NE12 PMK +0.56
[ 251] V 7050-253   -11.37   6  'AF 53         PMK -0.14
[ 252] V 253-7050    11.37   6  '40201121 NE12 PMK +0.56
[ 253] V 7050-7049    1.89   5  '40201122 N4S12PMK FLUSH
[ 254] V 7049-4021   -1.41   3  'TBM21
[ 255] V 4021-256     4.19   8  'AF 56         PMK -0.09
[ 256] V 256-4021    -4.19   8  'TBM21
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[ 257] V 4021-7049    1.41   3  '40201122 N4S12PMK FLUSH
[ 258] V 7049-TP?     9.81   3  'TP?
[ 259] V TP?-7047    -1.93   2  '40201123 NW12 PMK +0.55
[ 260] V 7047-7040   24.35  10  '40301365 SW36
[ 261]
[ 262] V 7075-239     4.71   2  'AF 39         PMK FLUSH
[ 263] V 239-4020    -6.05   3  'TBM20
[ 264] V 4020-263    -5.05   5  'AF 63         PMK FLUSH
[ 265] V 263-244     -5.67  10  'AF 44         PMK FLUSH
[ 266]
[ 267] V 7062-7048   10.25   5  '40201134 W4S13PMK +0.04
[ 268] V 7048-7047   17.10   5  '40201123 NW12 PMK +0.55
[ 269] # END SKETCH SEVEN
[ 270]
[ 271] V 244-4022    -0.61   1  'TBM22
[ 272] V 4022-245    -4.35   5  'AF 45         PMK -0.06
[ 273] V 245-4022     4.35   5  'TBM22
[ 274] V 4022-244     0.61   1  'AF 44         PMK FLUSH
[ 275] V 244-4023    -5.73  18  'TBM23
[ 276] V 4023-7061  -10.49   4  '40201242 N4S24PMK +0.54
[ 277] V 7061-7064    0.17   6  '40201243 NW24 PMK +0.40
[ 278] V 7064-TPP?    8.20   4  'TPP?
[ 279] V TPP?-7063   -4.01   3  '40201134 W4S13PMK +0.57
[ 280] V 7063-7062    5.53   5  '40201133 NW13 PMK +0.19
[ 281]
[ 282] V 4023-7058    1.64   4  '40201241 NE24 PMK FLUSH
[ 283] V 7058-4024   -1.53   3  'TBM24
[ 284] V 4024-252    -4.28   3  'AF 52         PMK FLUSH
[ 285] V 252-7057     0.28   2  '10201192 NES19PMK +0.31
[ 286] V 7057-246     0.49   4  'AF 46         PMK FLUSH
[ 287] V 246-4025   -14.14  10  'TBM25
[ 288] V 4025-4026    0.22   1  'TBM26
[ 289] V 4026-7068   -2.19  11  '10201196 S4S19PMK FLUSH
[ 290] V 7068-247     1.92   3  'AF 47         PMK FLUSH
[ 291] V 247-8009    14.01  15  'BM 417 D 1
[ 292] V 8009-247   -14.01  15  'AF 47         PMK FLUSH
[ 293] V 247-7068    -1.92   3  '10201196 S4S19PMK FLUSH
[ 294] V 7068-248    -0.98   2  'AF 48         PMK FLUSH
[ 295] V 248-7060    -2.17   5  '40201247 SE24 PMK +0.49
[ 296] V 7060-249     5.23   5  'AF 49         PMK FLUSH
[ 297] V 249-4027     3.21   1  'TBM27
[ 298] V 4027-4028   -0.03   4  'TBM28
[ 299] V 4028-7066   -6.47   4  '40201245 SW24 PMK +0.37
[ 300] V 7066-7065    9.35   5  '40201244 W4S24PMK +0.42
[ 301] V 7065-7064    1.17   6  '40201243 NW24 PMK +0.40
[ 302] # END SKETCH EIGHT
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Network has 10 fixed elevation stations

Summary of All Unadjusted Input Observations

Number of Stations with Elevations = 163

Station	Elevation	Std Error	Description
8001	1353.37700	FIXED	BM R366
8002	1317.00200	FIXED	BM S366
8003	1253.27500	FIXED	BM M266 PMK -0.27
8004	1247.24800	FIXED	BM L365
7022	1257.36200	FIXED	PEORIA BMJ5 PMK -0.40
8008	1084.64300	FIXED	BM 417K
8009	1033.18400	FIXED	BM 417 D 1
8010	1118.52800	FIXED	PEORIA BM R9
7040	1088.02000	FIXED	BM USCE '84 PMK +0.50
8011	1238.52600	FIXED	PEORIA BM R5
204	1337.99700	*	AF 4 PMK FLUSH
7071	1325.40700	*	10501319 C4S31
807	1332.84700	*	807 PMK -0.20
4001	1306.79700	*	TBM6
4002	1265.96700	*	TBM1
203	1270.35700	*	AF 3 PMK -0.14
544	1263.87200	*	544-84 PMK FLUSH
7072	1257.41200	*	10401061 NE6 PMK +0.28
205	1257.13200	*	AF 5 PMK -0.13
4003	1248.65500	*	TBM2
206	1291.85500	*	AF 6 PMK -0.19
522	1250.99000	*	522-84 PMK -0.096
4004	1241.14500	*	TBM2-90
208	1236.18000	*	AF 8 PMK FLUSH
209	1232.37000	*	AF 9 PMK -0.12
4010	1270.57000	*	TBM1-90
829	1269.06500	*	829-90 PMK FLUSH
211	1252.79800	*	AF 11 PMK -0.21
7005	1259.25800	*	10401074 W4S7 PMK FLUSH
4006	1265.87500	*	TBM9
210	1259.62500	*	AF 10 PMK -0.682
7003	1274.03500	*	40401121 NE12
4005	1273.62500	*	TBM11
520	1275.54500	*	520-84 PMK -0.08
513	1293.93700	*	513-90 PMK FLUSH
207	1245.36000	*	AF 7 PMK -0.22
523	1258.24700	*	523-84 PMK -0.18
213	1221.91700	*	AF 13 VAPMK -0.22
524	1248.88700	*	524-83 PMK -0.21
214	1209.68700	*	AF 14 VAPMK FLUSH
526	1238.23800	*	526-83 PMK -0.11
215	1232.79800	*	AF 15 PMK -0.29
804	1225.48800	*	804-83 PMK -0.14
906	1247.99100	*	906-83 PMK -0.11
217	1264.85800	*	AF 17 PMK -0.24
4007	1214.68800	*	TBM8
216	1201.98800	*	AF 16 PMK -0.29
7013	1219.61800	*	40401242 N4S24PMK -0.13
212	1225.73800	*	AF 12 PMK -0.23
525	1232.02800	*	525-83 PMK FLUSH
7018	1221.51600	*	10401302 N4S30
201	1214.53600	*	AF 1 PMK -0.10
7073	1174.84600	*	40401361 NE36
225	1176.43600	*	AF 25 PMK FLUSH
999	1166.74600	*	FD TGT 115&GROVERS
4009	1161.15600	*	TBM4
7024	1162.66600	*	40301011 NE1 PMK +0.44

223	1163.06600	*	AF 23	PMK FLUSH
224	1164.84600	*	AF 24	PMK -0.21
221	1172.28600	*	AF 21	PMK -0.17
4008	1174.57600	*	TBM5	
7026	1176.12600	*	40301013 NW1	PMK ?
222	1180.71100	*	AF 22	PMK FLUSH
220	1197.59600	*	AF 20	PMK -0.10
269	1230.55100	*	AF 69	
219	1212.21600	*	AF 19	PMK -0.18
226	1170.48600	*	AF 26	PMK -0.20
7029	1145.67600	*	40301018 E4S1	PMK +0.61 N
250	1196.22600	*	AF 50	PMK -0.16
232	1170.24600	*	AF 32	PMK -0.18
812	1154.90100	*	812-83	PMK -0.13
233	1149.84100	*	AF 33	PMK -0.16
8005	1136.55100	*	BM RV87 UNSTABLE	
228	1153.84600	*	AF 28	PMK -0.52
4013	1162.41600	*	TBM13	
236	1149.67600	*	AF 36	PMK FLUSH
230	1136.51600	*	AF 30	PMK -0.12
258	1131.73600	*	AF 58	PMK FLUSH
4012	1129.93600	*	TBM12	
229	1123.81600	*	AF 29	
7030	1120.86100	*	10301075 SW7	
8006	1148.84300	*	BM 2346F	
8007	1148.76300	*	BM U23	
231	1115.67600	*	AF 31	PMK -0.10
234	1107.47600	*	AF 34	PMK -0.12
4029	1109.13600	*	TBM MH	
251	1100.34600	*	AF 51	PMK -0.13
235	1088.97600	*	AF 35	PMK FLUSH
7044	1093.04600	*	40301251 NE25	
297	1122.65600	*	AF 97	
298	1123.07600	*	AF 98	
289	1125.67600	*	AF 89	PMK FLUSH
265	1134.16800	*	AF 65	
264	1133.68800	*	AF 64	
7070	1135.31600	*	40301141 NE14	
7033	1117.34600	*	40301243 NW24	PMK ELEV
7034	1107.85600	*	40301244 W4S24	PMK +0.51
7035	1105.76600	*	40301245 SW24	PMK +0.48
4015	1106.40000	*	TBM15	
7041	1106.05000	*	10301312 N4S31	
237	1113.39000	*	AF 37	
7042	1090.06000	*	10301313 NW31	
4014	1079.95000	*	TBM14	
242	1071.87000	*	AF 42	
4018	1092.78000	*	TBM18	
4019	1092.82000	*	TBM19	
7038	1096.33600	*	40301255 SW25	
7037	1100.53600	*	40301154 W4S25	
7039	1089.51500	*	40301364 W4S36	
7053	1058.95000	*	40201012 N4S1	PMK +0.20
7052	1064.64000	*	40201011 NE1	PMK +0.46
4017	1064.45000	*	TBM17	
7074	1080.05000	*	10201062 N4S6	PMK +0.60
238	1094.92000	*	AF 38	PMK FLUSH
BCB	1086.80300	*	BCB	
N4S5	1085.96300	*	N4S5 2N1E	
NE6	1092.08300	*	NE6 2N1E ACDC TIE	
4016	1092.63000	*	TBM16	
257	1105.90000	*	AF 57	PMK FLUSH
243	1083.54000	*	AF 43	PMK FLUSH
538	1104.73000	*	538-84	PMK FLUSH
7027	1173.98600	*	10401313 NW31	

7023	1202.99600	*	
7025	1165.70600	*	
7075	1054.57000	*	10201072 N4S7
240	1055.21000	*	AF 40 PMK FLUSH
241	1055.23000	*	AF 41 PMK FLUSH
7050	1053.91000	*	40201121 NE12 PMK +0.56
253	1042.54000	*	AF 53 PMK -0.14
7049	1055.80000	*	40201122 N4S12PMK FLUSH
4021	1054.39000	*	TBM21
256	1058.58000	*	AF 56 PMK -0.09
TP?	1065.61000	*	TP?
7047	1063.68000	*	40201123 NW12 PMK +0.55
239	1059.28000	*	AF 39 PMK FLUSH
4020	1053.23000	*	TBM20
263	1048.18000	*	AF 63 PMK FLUSH
244	1042.51000	*	AF 44 PMK FLUSH
7062	1036.18000	*	40201133 NW13 PMK +0.19
7048	1046.58000	*	40201134 W4S13PMK +0.04
4022	1041.90000	*	TBM22
245	1037.55000	*	AF 45 PMK -0.06
4023	1036.78000	*	TBM23
7061	1026.29000	*	40201242 N4S24PMK +0.54
7064	1026.46000	*	40201243 NW24 PMK +0.40
TPP?	1034.66000	*	TPP?
7063	1030.65000	*	40201134 W4S13PMK +0.57
7058	1038.42000	*	40201241 NE24 PMK FLUSH
4024	1036.89000	*	TBM24
252	1032.61000	*	AF 52 PMK FLUSH
7057	1032.89000	*	10201192 NES19PMK +0.31
246	1033.38000	*	AF 46 PMK FLUSH
4025	1019.24000	*	TBM25
4026	1019.46000	*	TBM26
7068	1017.27000	*	10201196 S4S19PMK FLUSH
247	1019.19000	*	AF 47 PMK FLUSH
248	1016.29000	*	AF 48 PMK FLUSH
7060	1014.12000	*	40201247 SE24 PMK +0.49
249	1019.35000	*	AF 49 PMK FLUSH
4027	1022.56000	*	TBM27
4028	1022.53000	*	TBM28
7066	1016.06000	*	40201245 SW24 PMK +0.37
7065	1025.41000	*	40201244 W4S24PMK +0.42

Number of Differences in Elevation = 214

At	To	Elev Diff	Length Turns	StdErr
8002	204	20.99500	3	0.00866
204	7071	-12.59000	3	0.00866
7071	807	7.44000	1	0.00500
807	4001	-26.05000	7	0.01323
4001	4002	-40.83000	6	0.01225
4002	203	4.39000	3	0.00866
203	4002	-4.39000	3	0.00866
4002	544	-2.09500	5	0.01118
544	7072	-6.46000	3	0.00866
7072	544	6.46000	3	0.00866
544	205	-6.74000	3	0.00866
205	8003	-3.88000	5	0.01118
8003	4003	-4.62000	5	0.01118
4003	206	43.20000	8	0.01414
206	4003	-43.21000	8	0.01414
4003	522	2.33500	2	0.00707
522	4004	-9.84500	3	0.00866
4004	208	-4.96500	3	0.00866

208	209	-3.81000	3	0.00866
209	4010	38.20000	6	0.01225
4010	829	-1.50500	4	0.01000
829	7022	-11.72000	4	0.01000
211	7005	6.46000	7	0.01323
7005	4006	6.60000	3	0.00866
4006	210	-6.25000	4	0.01000
4006	7003	8.16000	4	0.01000
7003	4005	-0.41000	5	0.01118
4005	520	1.92000	4	0.01000
520	4005	-1.92000	4	0.01000
4005	513	20.35000	12	0.01732
513	8001	59.44000	9	0.01500
210	4004	-18.48000	12	0.01732
4004	207	4.21500	4	0.01000
207	4004	-4.21500	4	0.01000
7022	523	0.88500	2	0.00707
523	213	-36.33000	1	0.05000
523	524	-9.36000	8	0.01414
524	214	-39.20000	1	0.05000
524	8004	-1.67000	6	0.01225
8004	526	-9.01000	7	0.01323
526	215	-5.44000	6	0.01225
215	804	-7.31000	3	0.00866
906	217	16.74000	8	0.01414
217	4007	-50.17000	6	0.01225
4007	216	-12.70000	11	0.01658
216	215	30.81000	11	0.01658
4007	7013	4.93000	3	0.00866
7013	212	6.12000	6	0.01225
212	525	6.29000	13	0.01803
525	211	20.77000	8	0.01414
7018	201	-6.98000	10	0.01581
201	7018	6.98000	8	0.01414
7018	8011	17.01000	7	0.01323
7073	225	1.59000	2	0.00707
225	201	38.10000	11	0.01658
225	7073	-1.59000	2	0.00707
7073	999	-8.10000	7	0.01323
999	4009	-5.59000	6	0.01225
4009	7024	1.51000	1	0.00500
4009	223	1.91000	3	0.00866
223	224	1.78000	9	0.01500
224	223	-1.78000	9	0.01500
223	221	9.22000	10	0.01581
221	4008	2.29000	3	0.00866
4008	7026	1.55000	1	0.00500
4008	222	6.13500	7	0.01323
222	4008	-6.13500	7	0.01323
4008	220	23.02000	10	0.01581
269	906	17.44000	10	0.01581
219	226	-41.85000	9	0.01500
226	225	5.95000	9	0.01500
4008	7026	1.55000	1	0.00500
7024	7029	-16.99000	7	0.01323
7029	7024	16.99000	7	0.01323
7024	250	33.56000	6	0.01225
250	232	-25.98000	14	0.01871
232	812	-15.34500	11	0.01658
812	233	-5.06000	4	0.01000
233	8005	-13.29000	2	0.00707
221	228	-18.44000	14	0.01871
228	4013	8.57000	4	0.01000
4013	228	-8.58000	4	0.01000
4013	236	-12.74000	7	0.01323

236	230	-13.16000	9	0.01500
230	258	-4.78000	7	0.01323
258	4012	-1.80000	2	0.00707
229	258	7.92000	9	0.01500
8005	229	-12.71000	9	0.01500
8005	7030	-15.69000	4	0.01000
7030	4012	9.14000	7	0.01323
8005	8006	12.26000	4	0.01000
8005	8006	12.26000	4	0.01000
8006	8007	-0.08000	1	0.00500
229	231	-8.14000	6	0.01225
231	234	-8.20000	9	0.01500
234	4029	1.66000	2	0.00707
4029	251	-8.79000	7	0.01323
251	235	-11.37000	7	0.01323
235	7044	4.07000	3	0.00866
7044	297	29.61000	3	0.00866
297	298	0.42000	1	0.00500
297	289	3.02000	4	0.01000
297	289	3.02000	4	0.01000
298	265	10.96000	14	0.01871
265	264	-0.48000	1	0.00500
264	8007	15.15000	9	0.01500
229	7070	11.50000	2	0.00707
7070	7033	-17.97000	12	0.01732
7033	7034	-9.49000	6	0.01225
7034	7035	-2.09000	6	0.01225
7035	235	-16.81000	9	0.01500
4015	289	19.25000	13	0.01803
289	4015	-19.25000	13	0.01803
4015	289	19.25000	11	0.01658
4015	7041	-0.35000	1	0.00500
4015	7041	-0.36000	1	0.00500
7041	237	7.34000	2	0.00707
7041	237	7.35000	2	0.00707
7042	4014	-10.11000	3	0.00866
4014	242	-8.08000	7	0.01323
242	4014	8.05000	7	0.01323
4014	4018	12.83000	2	0.00707
4014	4018	12.83000	2	0.00707
4018	4019	0.04000	3	0.00866
4019	7038	3.58000	4	0.01000
7041	7042	-15.99000	7	0.01323
7042	7041	15.99000	7	0.01323
7035	7037	-5.23000	6	0.01225
7037	7038	-4.20000	5	0.01118
7038	7039	-6.86000	7	0.01323
7039	7040	-1.49500	6	0.01225
7040	7053	-29.07000	6	0.01225
7053	7052	5.69000	5	0.01118
7052	4017	-0.19000	2	0.00707
4017	7074	15.60000	4	0.01000
7074	238	14.87000	2	0.00707
238	8008	-10.32000	19	0.02179
8008	BCB	2.16000	5	0.01118
BCB	N4S5	-0.84000	4	0.01000
N4S5	NE6	6.12000	6	0.01225
NE6	238	2.88000	4	0.01000
238	7074	-14.87000	2	0.00707
7074	4016	12.58000	6	0.01225
7074	4016	12.59000	8	0.01414
4016	7074	-12.59000	8	0.01414
4016	257	13.27000	2	0.00707
257	4016	-13.27000	2	0.00707
4016	243	-9.09000	3	0.00866

243	4016	9.09000	3	0.00866
4016	4015	13.77000	5	0.01118
4015	4016	-13.77000	5	0.01118
4015	538	-1.67000	1	0.00500
4015	538	-1.67000	1	0.00500
804	7018	-3.95000	3	0.00866
7073	7027	-0.86000	1	0.00500
7023	220	-5.40000	2	0.00707
7023	219	9.22000	5	0.01118
219	269	18.33500	5	0.01118
7024	223	0.42000	4	0.01000
7025	223	-2.64000	4	0.01000
7025	221	6.57000	5	0.01118
265	8010	-15.64000	36	0.03000
265	8010	-15.64000	36	0.03000
8004	8006	-98.40500	63	0.03969
7074	7075	-25.48000	12	0.01732
7075	240	0.64000	1	0.00500
240	241	0.02000	2	0.00707
241	7050	-1.32000	2	0.00707
7050	253	-11.37000	6	0.01225
253	7050	11.37000	6	0.01225
7050	7049	1.89000	5	0.01118
7049	4021	-1.41000	3	0.00866
4021	256	4.19000	8	0.01414
256	4021	-4.19000	8	0.01414
4021	7049	1.41000	3	0.00866
7049	TP?	9.81000	3	0.00866
TP?	7047	-1.93000	2	0.00707
7047	7040	24.35000	10	0.01581
7075	239	4.71000	2	0.00707
239	4020	-6.05000	3	0.00866
4020	263	-5.05000	5	0.01118
263	244	-5.67000	10	0.01581
7062	7048	10.25000	5	0.01118
7048	7047	17.10000	5	0.01118
244	4022	-0.61000	1	0.00500
4022	245	-4.35000	5	0.01118
245	4022	4.35000	5	0.01118
4022	244	0.61000	1	0.00500
244	4023	-5.73000	18	0.02121
4023	7061	-10.49000	4	0.01000
7061	7064	0.17000	6	0.01225
7064	TPP?	8.20000	4	0.01000
TPP?	7063	-4.01000	3	0.00866
7063	7062	5.53000	5	0.01118
4023	7058	1.64000	4	0.01000
7058	4024	-1.53000	3	0.00866
4024	252	-4.28000	3	0.00866
252	7057	0.28000	2	0.00707
7057	246	0.49000	4	0.01000
246	4025	-14.14000	10	0.01581
4025	4026	0.22000	1	0.00500
4026	7068	-2.19000	11	0.01658
7068	247	1.92000	3	0.00866
247	8009	14.01000	15	0.01936
8009	247	-14.01000	15	0.01936
247	7068	-1.92000	3	0.00866
7068	248	-0.98000	2	0.00707
248	7060	-2.17000	5	0.01118
7060	249	5.23000	5	0.01118
249	4027	3.21000	1	0.00500
4027	4028	-0.03000	4	0.01000
4028	7066	-6.47000	4	0.01000
7066	7065	9.35000	5	0.01118

7065	7064	1.17000	6	0.01225

Adjustment Results

Updated Elevations and Changes from Initial Estimates

Station	Elevation	Change	Description
8001	1353.37700	0.00000	BM R366
8002	1317.00200	0.00000	BM S366
8003	1253.27500	-0.00000	BM M266 PMK -0.27
8004	1247.24800	-0.00000	BM L365
7022	1257.36200	0.00000	PEORIA BMJ5 PMK -0.40
8008	1084.64300	-0.00000	BM 417K
8009	1033.18400	0.00000	BM 417 D 1
8010	1118.52800	-0.00000	PEORIA BM R9
7040	1088.02000	0.00000	BM USCE '84 PMK +0.50
8011	1238.52600	0.00000	PEORIA BM R5
204	1337.99909	0.00209	AF 4 PMK FLUSH
7071	1325.41118	0.00418	10501319 C4S31
807	1332.85188	0.00488	807 PMK -0.20
4001	1306.80676	0.00976	TBM6
4002	1265.98094	0.01394	TBM1
203	1270.37094	0.01394	AF 3 PMK -0.14
544	1263.88942	0.01742	544-84 PMK FLUSH
7072	1257.42942	0.01742	10401061 NE6 PMK +0.28
205	1257.15152	0.01952	AF 5 PMK -0.13
4003	1248.65450	-0.00050	TBM2
206	1291.85950	0.00450	AF 6 PMK -0.19
522	1250.98930	-0.00070	522-84 PMK -0.096
4004	1241.14401	-0.00099	TBM2-90
208	1236.18170	0.00170	AF 8 PMK FLUSH
209	1232.37440	0.00440	AF 9 PMK -0.12
4010	1270.57980	0.00980	TBM1-90
829	1269.07840	0.01340	829-90 PMK FLUSH
211	1252.79503	-0.00297	AF 11 PMK -0.21
7005	1259.25712	-0.00088	10401074 W4S7 PMK FLUSH
4006	1265.85802	-0.01698	TBM9
210	1259.61202	-0.01298	AF 10 PMK -0.682
7003	1274.01522	-0.01978	40401121 NE12
4005	1273.60171	-0.02329	TBM11
520	1275.52171	-0.02329	520-84 PMK -0.08
513	1293.94331	0.00631	513-90 PMK FLUSH
207	1245.35901	-0.00099	AF 7 PMK -0.22
523	1258.25088	0.00388	523-84 PMK -0.18
213	1221.92088	0.00388	AF 13 VAPMK -0.22
524	1248.90638	0.01937	524-83 PMK -0.21
214	1209.70638	0.01937	AF 14 VAPMK FLUSH
526	1238.23260	-0.00540	526-83 PMK -0.11
215	1232.78796	-0.01004	AF 15 PMK -0.29
804	1225.47591	-0.01209	804-83 PMK -0.14
906	1248.10070	0.10970	906-83 PMK -0.11
217	1264.84377	-0.01423	AF 17 PMK -0.24
4007	1214.67608	-0.01192	TBM8
216	1201.97702	-0.01098	AF 16 PMK -0.29
7013	1219.60697	-0.01103	40401242 N4S24PMK -0.13
212	1225.72876	-0.00924	AF 12 PMK -0.23
525	1232.02264	-0.00536	525-83 PMK FLUSH
7018	1221.52385	0.00785	10401302 N4S30
201	1214.54578	0.00978	AF 1 PMK -0.10
7073	1174.86270	0.01670	40401361 NE36
225	1176.45056	0.01456	AF 25 PMK FLUSH
999	1166.77766	0.03166	FD TGT 115&GROVERS
4009	1161.20048	0.04448	TBM4

7024	1162.70867	0.04267	40301011 NE1 PMK +0.44
223	1163.12231	0.05631	AF 23 PMK FLUSH
224	1164.90231	0.05631	AF 24 PMK -0.21
221	1172.34820	0.06220	AF 21 PMK -0.17
4008	1174.64446	0.06846	TBM5
7026	1176.19446	0.06846	40301013 NW1 PMK ?
222	1180.77946	0.06846	AF 22 PMK FLUSH
220	1197.68533	0.08933	AF 20 PMK -0.10
269	1230.65685	0.10585	AF 69
219	1212.31993	0.10393	AF 19 PMK -0.18
226	1170.48525	-0.00075	AF 26 PMK -0.20
7029	1145.71867	0.04267	40301018 E4S1 PMK +0.61 N
250	1196.26736	0.04136	AF 50 PMK -0.16
232	1170.28430	0.03830	AF 32 PMK -0.18
812	1154.93689	0.03589	812-83 PMK -0.13
233	1149.87602	0.03502	AF 33 PMK -0.16
8005	1136.58558	0.03458	BM RV87 UNSTABLE
228	1153.91197	0.06597	AF 28 PMK -0.52
4013	1162.48751	0.07151	TBM13
236	1149.74939	0.07339	AF 36 PMK FLUSH
230	1136.59181	0.07581	AF 30 PMK -0.12
258	1131.81370	0.07770	AF 58 PMK FLUSH
4012	1130.01706	0.08106	TBM12
229	1123.88097	0.06497	AF 29
7030	1120.88885	0.02785	10301075 SW7
8006	1148.84731	0.00431	BM 2346F
8007	1148.76825	0.00525	BM U23
231	1115.73640	0.06040	AF 31 PMK -0.10
234	1107.52954	0.05354	AF 34 PMK -0.12
4029	1109.18801	0.05201	TBM MH
251	1100.39268	0.04668	AF 51 PMK -0.13
235	1089.01734	0.04134	AF 35 PMK FLUSH
7044	1093.08431	0.03831	40301251 NE25
297	1122.69129	0.03529	AF 97
298	1123.11371	0.03771	AF 98
289	1125.70442	0.02842	AF 89 PMK FLUSH
265	1134.10760	-0.06040	AF 65
264	1133.62666	-0.06134	AF 64
7070	1135.38086	0.06486	40301141 NE14
7033	1117.41021	0.06421	40301243 NW24 PMK ELEV
7034	1107.91989	0.06389	40301244 W4S24PMK +0.51
7035	1105.82957	0.06357	40301245 SW24 PMK +0.48
4015	1106.44041	0.04041	TBM15
7041	1106.08429	0.03429	10301312 N4S31
237	1113.42929	0.03929	AF 37
7042	1090.08642	0.02642	10301313 NW31
4014	1079.96968	0.01968	TBM14
242	1071.90468	0.03468	AF 42
4018	1092.79743	0.01743	TBM18
4019	1092.83069	0.01069	TBM19
7038	1096.40170	0.06570	40301255 SW25
7037	1100.60073	0.06473	40301154 W4S25
7039	1089.52732	0.01232	40301364 W4S36
7053	1058.96010	0.01010	40201012 N4S1 PMK +0.20
7052	1064.65851	0.01851	40201011 NE1 PMK +0.46
4017	1064.47188	0.02188	TBM17
7074	1080.07861	0.02861	10201062 N4S6 PMK +0.60
238	1094.94998	0.02998	AF 38 PMK FLUSH
BCB	1086.79957	-0.00343	BCB
N4S5	1035.95683	-0.00617	N4S5 2N1E
NE6	1092.07272	-0.01028	NE6 2N1E ACDC TIE
4016	1092.66745	0.03745	TBM16
257	1105.93745	0.03745	AF 57 PMK FLUSH
243	1083.57745	0.03745	AF 43 PMK FLUSH
538	1104.77041	0.04041	538-84 PMK FLUSH

7027	1174.00270	0.01670	10401313 NW31
7023	1203.08950	0.09350	
7025	1165.76937	0.06337	
7075	1054.58817	0.01817	10201072 N4S7
240	1055.22617	0.01617	AF 40 PMK FLUSH
241	1055.24217	0.01217	AF 41 PMK FLUSH
7050	1053.91818	0.00818	40201121 NE12 PMK +0.56
253	1042.54818	0.00818	AF 53 PMK -0.14
7049	1055.79818	-0.00182	40201122 N4S12PMK FLUSH
4021	1054.38818	-0.00182	TBM21
256	1058.57818	-0.00182	AF 56 PMK -0.09
TP?	1065.60218	-0.00782	TP?
7047	1063.66818	-0.01182	40201123 NW12 PMK +0.55
239	1059.30043	0.02043	AF 39 PMK FLUSH
4020	1053.25382	0.02382	TBM20
263	1048.20947	0.02947	AF 63 PMK FLUSH
244	1042.55076	0.04076	AF 44 PMK FLUSH
7062	1036.29636	0.11636	40201133 NW13 PMK +0.19
7048	1046.55727	-0.02273	40201134 W4S13PMK +0.04
4022	1041.94076	0.04076	TBM22
245	1037.59076	0.04076	AF 45 PMK -0.06
4023	1036.84109	0.06109	TBM23
7061	1026.36273	0.07273	40201242 N4S24PMK +0.54
7064	1026.55019	0.09019	40201243 NW24 PMK +0.40
TPP?	1034.75891	0.09891	TPP?
7063	1030.75546	0.10546	40201134 W4S13PMK +0.57
7058	1038.47398	0.05398	40201241 NE24 PMK FLUSH
4024	1036.93864	0.04864	TBM24
252	1032.65330	0.04330	AF 52 PMK FLUSH
7057	1032.92974	0.03974	10201192 NES19PMK +0.31
246	1033.41262	0.03262	AF 46 PMK FLUSH
4025	1019.25482	0.01482	TBM25
4026	1019.47304	0.01304	TBM26
7068	1017.26347	-0.00653	10201196 S4S19PMK FLUSH
247	1019.18189	-0.00811	AF 47 PMK FLUSH
248	1016.28201	-0.00799	AF 48 PMK FLUSH
7060	1014.10838	-0.01162	40201247 SE24 PMK +0.49
249	1019.33474	-0.01526	AF 49 PMK FLUSH
4027	1022.54401	-0.01599	TBM27
4028	1022.51110	-0.01890	TBM28
7066	1016.03819	-0.02181	40201245 SW24 PMK +0.37
7065	1025.38455	-0.02545	40201244 W4S24PMK +0.42

Statistical Summary

Number of Observations = 214
Number of Unknowns = 153
Degrees of Freedom = 61

Data Type	Count	Weighted Residuals	Error Factor
Stations	163	0.00	0.00
Diff Elev	214	69.49	1.07
Total	377	69.49	1.07

Adjustment passes the Chi Square test at 5% level

Adjusted Elevation Difference Observations and Residuals

At	To	Adjusted Obs	Residual	StdErr	StdRes
8002	204	20.99709	0.00209	0.00866	0.2
204	7071	-12.58791	0.00209	0.00866	0.2
7071	807	7.44070	0.00070	0.00500	0.1
807	4001	-26.04512	0.00488	0.01323	0.4
4001	4002	-40.82582	0.00418	0.01225	0.3
4002	203	4.39000	0.00000	0.00866	0.0
203	4002	-4.39000	-0.00000	0.00866	0.0
4002	544	-2.09152	0.00348	0.01118	0.3
544	7072	-6.46000	-0.00000	0.00866	0.0
7072	544	6.46000	0.00000	0.00866	0.0
544	205	-6.73791	0.00209	0.00866	0.2
205	8003	-3.87652	0.00348	0.01118	0.3
8003	4003	-4.62050	-0.00050	0.01118	0.0
4003	206	43.20500	0.00500	0.01414	0.4
206	4003	-43.20500	0.00500	0.01414	0.4
4003	522	2.33480	-0.00020	0.00707	0.0
522	4004	-9.84530	-0.00030	0.00866	0.0
4004	208	-4.96230	0.00270	0.00866	0.3
208	209	-3.80730	0.00270	0.00866	0.3
209	4010	38.20540	0.00540	0.01225	0.4
4010	829	-1.50140	0.00360	0.01000	0.4
829	7022	-11.71640	0.00360	0.01000	0.4
211	7005	6.46209	0.00209	0.01323	0.2
7005	4006	6.60090	0.00090	0.00866	0.1
4006	210	-6.24600	0.00400	0.01000	0.4
4006	7003	8.15720	-0.00280	0.01000	0.3
7003	4005	-0.41350	-0.00350	0.01118	0.3
4005	520	1.92000	0.00000	0.01000	0.0
520	4005	-1.92000	-0.00000	0.01000	0.0
4005	513	20.34159	-0.00841	0.01732	0.5
513	8001	59.43369	-0.00631	0.01500	0.4
210	4004	-18.46801	0.01199	0.01732	0.7
4004	207	4.21500	-0.00000	0.01000	0.0
207	4004	-4.21500	0.00000	0.01000	0.0
7022	523	0.88887	0.00387	0.00707	0.5
523	213	-36.33000	-0.00000	0.05000	0.0
523	524	-9.34450	0.01550	0.01414	1.1
524	214	-39.20000	-0.00000	0.05000	0.0
524	8004	-1.65838	0.01162	0.01225	0.9
8004	526	-9.01540	-0.00540	0.01323	0.4
526	215	-5.44463	-0.00463	0.01225	0.4
215	804	-7.31206	-0.00206	0.00866	0.2
906	217	16.74307	0.00307	0.01414	0.2
217	4007	-50.16769	0.00231	0.01225	0.2
4007	216	-12.69906	0.00094	0.01658	0.1
216	215	30.81094	0.00094	0.01658	0.1
4007	7013	4.93090	0.00090	0.00866	0.1
7013	212	6.12179	0.00179	0.01225	0.1
212	525	6.29388	0.00388	0.01803	0.2
525	211	20.77239	0.00239	0.01414	0.2
7018	201	-6.97807	0.00193	0.01581	0.1
201	7018	6.97807	-0.00193	0.01414	0.1
7018	8011	17.00215	-0.00785	0.01323	0.6
7073	225	1.58786	-0.00214	0.00707	0.3
225	201	38.09522	-0.00478	0.01658	0.3
225	7073	-1.58786	0.00214	0.00707	0.3
7073	999	-8.08504	0.01496	0.01323	1.1
999	4009	-5.57718	0.01282	0.01225	1.0
4009	7024	1.50819	-0.00181	0.00500	0.4

4009	223	1.92183	0.01183	0.00866	1.4
223	224	1.78000	-0.00000	0.01500	0.0
224	223	-1.78000	0.00000	0.01500	0.0
223	221	9.22589	0.00589	0.01581	0.4
221	4008	2.29626	0.00626	0.00866	0.7
4008	7026	1.55000	-0.00000	0.00500	0.0
4008	222	6.13500	-0.00000	0.01323	0.0
222	4008	-6.13500	0.00000	0.01323	0.0
4008	220	23.04086	0.02086	0.01581	1.3
269	906	17.44384	0.00384	0.01581	0.2
219	226	-41.83468	0.01532	0.01500	1.0
226	225	5.96532	0.01532	0.01500	1.0
4008	7026	1.55000	-0.00000	0.00500	0.0
7024	7029	-16.99000	-0.00000	0.01323	0.0
7029	7024	16.99000	0.00000	0.01323	0.0
7024	250	33.55869	-0.00131	0.01225	0.1
250	232	-25.98306	-0.00306	0.01871	0.2
232	812	-15.34740	-0.00240	0.01658	0.1
812	233	-5.06087	-0.00087	0.01000	0.1
233	8005	-13.29044	-0.00044	0.00707	0.1
221	228	-18.43623	0.00377	0.01871	0.2
228	4013	8.57554	0.00554	0.01000	0.6
4013	228	-8.57554	0.00446	0.01000	0.4
4013	236	-12.73812	0.00188	0.01323	0.1
236	230	-13.15758	0.00242	0.01500	0.2
230	258	-4.77812	0.00188	0.01323	0.1
258	4012	-1.79663	0.00337	0.00707	0.5
229	258	7.93273	0.01273	0.01500	0.8
8005	229	-12.70461	0.00539	0.01500	0.4
8005	7030	-15.69673	-0.00673	0.01000	0.7
7030	4012	9.12822	-0.01178	0.01323	0.9
8005	8006	12.26173	0.00173	0.01000	0.2
8005	8006	12.26173	0.00173	0.01000	0.2
8006	8007	-0.07907	0.00093	0.00500	0.2
229	231	-8.14457	-0.00457	0.01225	0.4
231	234	-8.20686	-0.00686	0.01500	0.5
234	4029	1.65848	-0.00152	0.00707	0.2
4029	251	-8.79533	-0.00533	0.01323	0.4
251	235	-11.37533	-0.00533	0.01323	0.4
235	7044	4.06697	-0.00303	0.00866	0.3
7044	297	29.60697	-0.00303	0.00866	0.3
297	298	0.42242	0.00242	0.00500	0.5
297	289	3.01314	-0.00686	0.01000	0.7
297	289	3.01314	-0.00686	0.01000	0.7
298	265	10.99389	0.03389	0.01871	1.8
265	264	-0.48093	-0.00093	0.00500	0.2
264	8007	15.14159	-0.00841	0.01500	0.6
229	7070	11.49989	-0.00011	0.00707	0.0
7070	7033	-17.97065	-0.00065	0.01732	0.0
7033	7034	-9.49032	-0.00032	0.01225	0.0
7034	7035	-2.09032	-0.00032	0.01225	0.0
7035	235	-16.81223	-0.00223	0.01500	0.1
4015	289	19.26402	0.01402	0.01803	0.8
289	4015	-19.26402	-0.01402	0.01803	0.8
4015	289	19.26402	0.01402	0.01658	0.8
4015	7041	-0.35612	-0.00612	0.00500	1.2
4015	7041	-0.35612	0.00388	0.00500	0.8
7041	237	7.34500	0.00500	0.00707	0.7
7041	237	7.34500	-0.00500	0.00707	0.7
7042	4014	-10.11674	-0.00674	0.00866	0.8
4014	242	-8.06500	0.01500	0.01323	1.1
242	4014	8.06500	0.01500	0.01323	1.1
4014	4018	12.82775	-0.00225	0.00707	0.3
4014	4018	12.82775	-0.00225	0.00707	0.3
4018	4019	0.03326	-0.00674	0.00866	0.8

4019	7038	3.57101	-0.00899	0.01000	0.9
7041	7042	-15.99787	-0.00787	0.01323	0.6
7042	7041	15.99787	0.00787	0.01323	0.6
7035	7037	-5.22884	0.00116	0.01225	0.1
7037	7038	-4.19903	0.00097	0.01118	0.1
7038	7039	-6.87438	-0.01438	0.01323	1.1
7039	7040	-1.50732	-0.01232	0.01225	1.0
7040	7053	-29.05990	0.01010	0.01225	0.8
7053	7052	5.69842	0.00842	0.01118	0.8
7052	4017	-0.18663	0.00337	0.00707	0.5
4017	7074	15.60673	0.00673	0.01000	0.7
7074	238	14.87137	0.00137	0.00707	0.2
238	8008	-10.30698	0.01302	0.02179	0.6
8008	BCB	2.15657	-0.00343	0.01118	0.3
BCB	N4S5	-0.84274	-0.00274	0.01000	0.3
N4S5	NE6	6.11589	-0.00411	0.01225	0.3
NE6	238	2.87726	-0.00274	0.01000	0.3
238	7074	-14.87137	-0.00137	0.00707	0.2
7074	4016	12.58884	0.00884	0.01225	0.7
7074	4016	12.58884	-0.00116	0.01414	0.1
4016	7074	-12.58884	0.00116	0.01414	0.1
4016	257	13.27000	-0.00000	0.00707	0.0
257	4016	-13.27000	0.00000	0.00707	0.0
4016	243	-9.09000	0.00000	0.00866	0.0
243	4016	9.09000	-0.00000	0.00866	0.0
4016	4015	13.77296	0.00296	0.01118	0.3
4015	4016	-13.77296	-0.00296	0.01118	0.3
4015	538	-1.67000	0.00000	0.00500	0.0
4015	538	-1.67000	0.00000	0.00500	0.0
804	7018	-3.95206	-0.00206	0.00866	0.2
7073	7027	-0.86000	-0.00000	0.00500	0.0
7023	220	-5.40417	-0.00417	0.00707	0.6
7023	219	9.23043	0.01043	0.01118	0.9
219	269	18.33692	0.00192	0.01118	0.2
7024	223	0.41364	-0.00636	0.01000	0.6
7025	223	-2.64706	-0.00706	0.01000	0.7
7025	221	6.57883	0.00883	0.01118	0.8
265	8010	-15.57960	0.06040	0.03000	2.0
265	8010	-15.57960	0.06040	0.03000	2.0
8004	8006	-98.40069	0.00431	0.03969	0.1
7074	7075	-25.49044	-0.01044	0.01732	0.6
7075	240	0.63800	-0.00200	0.00500	0.4
240	241	0.01600	-0.00400	0.00707	0.6
241	7050	-1.32400	-0.00400	0.00707	0.6
7050	253	-11.37000	-0.00000	0.01225	0.0
253	7050	11.37000	0.00000	0.01225	0.0
7050	7049	1.88000	-0.01000	0.01118	0.9
7049	4021	-1.41000	-0.00000	0.00866	0.0
4021	256	4.19000	0.00000	0.01414	0.0
256	4021	-4.19000	-0.00000	0.01414	0.0
4021	7049	1.41000	0.00000	0.00866	0.0
7049	TP?	9.80400	-0.00600	0.00866	0.7
TP?	7047	-1.93400	-0.00400	0.00707	0.6
7047	7040	24.35182	0.00182	0.01581	0.1
7075	239	4.71226	0.00226	0.00707	0.3
239	4020	-6.04661	0.00339	0.00866	0.4
4020	263	-5.04435	0.00565	0.01118	0.5
263	244	-5.65870	0.01130	0.01581	0.7
7062	7048	10.26091	0.01091	0.01118	1.0
7048	7047	17.11091	0.01091	0.01118	1.0
244	4022	-0.61000	-0.00000	0.00500	0.0
4022	245	-4.35000	0.00000	0.01118	0.0
245	4022	4.35000	-0.00000	0.01118	0.0
4022	244	0.61000	0.00000	0.00500	0.0
244	4023	-5.70967	0.02033	0.02121	1.0

4023	7061	-10.47836	0.01164	0.01000	1.2
7061	7064	0.18745	0.01745	0.01225	1.4
7064	TPP?	8.20873	0.00873	0.01000	0.9
TPP?	7063	-4.00346	0.00654	0.00866	0.8
7063	7062	5.54091	0.01091	0.01118	1.0
4023	7058	1.63288	-0.00712	0.01000	0.7
7058	4024	-1.53534	-0.00534	0.00866	0.6
4024	252	-4.28534	-0.00534	0.00866	0.6
252	7057	0.27644	-0.00356	0.00707	0.5
7057	246	0.48288	-0.00712	0.01000	0.7
246	4025	-14.15780	-0.01780	0.01581	1.1
4025	4026	0.21822	-0.00178	0.00500	0.4
4026	7068	-2.20958	-0.01958	0.01658	1.2
7068	247	1.91842	-0.00158	0.00866	0.2
247	8009	14.00211	-0.00789	0.01936	0.4
8009	247	-14.00211	0.00789	0.01936	0.4
247	7068	-1.91842	0.00158	0.00866	0.2
7068	248	-0.98146	-0.00146	0.00707	0.2
248	7060	-2.17364	-0.00364	0.01118	0.3
7060	249	5.22636	-0.00364	0.01118	0.3
249	4027	3.20927	-0.00073	0.00500	0.1
4027	4028	-0.03291	-0.00291	0.01000	0.3
4028	7066	-6.47291	-0.00291	0.01000	0.3
7066	7065	9.34636	-0.00364	0.01118	0.3
7065	7064	1.16563	-0.00437	0.01225	0.4

Error Propagation

Station Elevation Standard Deviations

Station	Elevation	StdDev	Description
8001	1353.37700	0.00000	BM R366
8002	1317.00200	0.00000	BM S366
8003	1253.27500	0.00000	BM M266 PMK -0.27
8004	1247.24800	0.00000	BM L365
7022	1257.36200	0.00000	PEORIA BMJ5 PMK -0.40
8008	1084.64300	0.00000	BM 417K
8009	1033.18400	0.00000	BM 417 D 1
8010	1118.52800	0.00000	PEORIA BM R9
7040	1088.02000	0.00000	BM USCE '84 PMK +0.50
8011	1238.52600	0.00000	PEORIA BM R5
204	1337.99909	0.00826	AF 4 PMK FLUSH
7071	1325.41118	0.01108	10501319 C4S31
807	1332.85188	0.01174	807 PMK -0.20
4001	1306.80676	0.01420	TBM6
4002	1265.98094	0.01403	TBM1
203	1270.37094	0.01531	AF 3 PMK -0.14
544	1263.88942	0.01231	544-84 PMK FLUSH
7072	1257.42942	0.01375	10401061 NE6 PMK +0.28
205	1257.15152	0.01030	AF 5 PMK -0.13
4003	1248.65450	0.00988	TBM2
206	1291.85950	0.01406	AF 6 PMK -0.19
522	1250.98930	0.01102	522-84 PMK -0.096
4004	1241.14401	0.01186	TBM2-90
208	1236.18170	0.01286	AF 8 PMK FLUSH
209	1232.37440	0.01319	AF 9 PMK -0.12
4010	1270.57980	0.01194	TBM1-90
829	1269.07840	0.00925	829-90 PMK FLUSH
211	1252.79503	0.01977	AF 11 PMK -0.21
7005	1259.25712	0.01761	10401074 W4S7 PMK FLUSH
4006	1265.85802	0.01628	TBM9
210	1259.61202	0.01619	AF 10 PMK -0.682
7003	1274.01522	0.01690	40401121 NE12
4005	1273.60171	0.01695	TBM11
520	1275.52171	0.01837	520-84 PMK -0.08
513	1293.94331	0.01347	513-90 PMK FLUSH
207	1245.35901	0.01380	AF 7 PMK -0.22
523	1258.25088	0.00661	523-84 PMK -0.18
213	1221.92088	0.05044	AF 13 VAPMK -0.22
524	1248.90638	0.00968	524-83 PMK -0.21
214	1209.70638	0.05093	AF 14 VAPMK FLUSH
526	1238.23260	0.01106	526-83 PMK -0.11
215	1232.78796	0.01198	AF 15 PMK -0.29
804	1225.47591	0.01180	804-83 PMK -0.14
906	1248.10070	0.02123	906-83 PMK -0.11
217	1264.84377	0.02031	AF 17 PMK -0.24
4007	1214.67608	0.01877	TBM8
216	1201.97702	0.01749	AF 16 PMK -0.29
7013	1219.60697	0.01960	40401242 N4S24PMK -0.13
212	1225.72876	0.02072	AF 12 PMK -0.23
525	1232.02264	0.02101	525-83 PMK FLUSH
7018	1221.52385	0.01068	10401302 N4S30
201	1214.54578	0.01397	AF 1 PMK -0.10
7073	1174.86270	0.01778	40401361 NE36
225	1176.45056	0.01742	AF 25 PMK FLUSH
999	1166.77766	0.01920	FD TGT 115&GROVERS
4009	1161.20048	0.01910	TBM4
7024	1162.70867	0.01922	40301011 NE1 PMK +0.44

223	1163.12231	0.01932	AF 23 PMK FLUSH
224	1164.90231	0.02204	AF 24 PMK -0.21
221	1172.34820	0.01962	AF 21 PMK -0.17
4008	1174.64446	0.02033	TBM5
7026	1176.19446	0.02064	40301013 NW1 PMK ?
222	1180.77946	0.02238	AF 22 PMK FLUSH
220	1197.68533	0.02096	AF 20 PMK -0.10
269	1230.65685	0.02078	AF 69
219	1212.31993	0.01986	AF 19 PMK -0.18
226	1170.48525	0.01992	AF 26 PMK -0.20
7029	1145.71867	0.02137	40301018 E4S1 PMK +0.61 N
250	1196.26736	0.02065	AF 50 PMK -0.16
232	1170.28430	0.02108	AF 32 PMK -0.18
812	1154.93689	0.01858	812-83 PMK -0.13
233	1149.87602	0.01687	AF 33 PMK -0.16
8005	1136.58558	0.01579	BM RV87 UNSTABLE
228	1153.91197	0.02228	AF 28 PMK -0.52
4013	1162.48751	0.02237	TBM13
236	1149.74939	0.02215	AF 36 PMK FLUSH
230	1136.59181	0.02059	AF 30 PMK -0.12
258	1131.81370	0.01817	AF 58 PMK FLUSH
4012	1130.01706	0.01840	TBM12
229	1123.88097	0.01669	AF 29
7030	1120.88885	0.01756	10301075 SW7
8006	1148.84731	0.01566	BM 2346F
8007	1148.76825	0.01577	BM U23
231	1115.73640	0.01873	AF 31 PMK -0.10
234	1107.52954	0.01965	AF 34 PMK -0.12
4029	1109.18801	0.01955	TBM MH
251	1100.39268	0.01828	AF 51 PMK -0.13
235	1089.01734	0.01528	AF 35 PMK FLUSH
7044	1093.08431	0.01478	40301251 NE25
297	1122.69129	0.01368	AF 97
298	1123.11371	0.01411	AF 98
289	1125.70442	0.01348	AF 89 PMK FLUSH
265	1134.10760	0.01424	AF 65
264	1133.62666	0.01463	AF 64
7070	1135.38086	0.01742	40301141 NE14
7033	1117.41021	0.01886	40301243 NW24 PMK ELEV
7034	1107.91989	0.01790	40301244 W4S24PMK +0.51
7035	1105.82957	0.01562	40301245 SW24 PMK +0.48
4015	1106.44041	0.01205	TBM15
7041	1106.08429	0.01236	10301312 N4S31
237	1113.42929	0.01333	AF 37
7042	1090.08642	0.01386	10301313 NW31
4014	1079.96968	0.01444	TBM14
242	1071.90468	0.01720	AF 42
4018	1092.79743	0.01450	TBM18
4019	1092.83069	0.01432	TBM19
7038	1096.40170	0.01315	40301255 SW25
7037	1100.60073	0.01511	40301154 W4S25
7039	1089.52732	0.01084	40301364 W4S36
7053	1058.96010	0.01049	40201012 N4S1 PMK +0.20
7052	1064.65851	0.01185	40201011 NE1 PMK +0.46
4017	1064.47188	0.01170	TBM17
7074	1080.07861	0.01017	10201062 N4S6 PMK +0.60
238	1094.94998	0.01036	AF 38 PMK FLUSH
BCB	1086.79957	0.00998	BCB
N4S5	1085.95683	0.01194	N4S5 2N1E
NE6	1092.07272	0.01207	NE6 2N1E ACDC TIE
4016	1092.66745	0.01141	TBM16
257	1105.93745	0.01246	AF 57 PMK FLUSH
243	1083.57745	0.01295	AF 43 PMK FLUSH
538	1104.77041	0.01256	538-84 PMK FLUSH
7027	1174.00270	0.01847	10401313 NW31

7023	1203.08950	0.02078	
7025	1165.76937	0.02021	
7075	1054.58817	0.01478	10201072 N4S7
240	1055.22617	0.01500	AF 40 PMK FLUSH
241	1055.24217	0.01529	AF 41 PMK FLUSH
7050	1053.91818	0.01540	40201121 NE12 PMK +0.56
253	1042.54818	0.01766	AF 53 PMK -0.14
7049	1055.79818	0.01481	40201122 N4S12PMK FLUSH
4021	1054.38818	0.01603	TBM21
256	1058.57818	0.01889	AF 56 PMK -0.09
TP?	1065.60218	0.01383	TP?
7047	1063.66818	0.01285	40201123 NW12 PMK +0.55
239	1059.30043	0.01594	AF 39 PMK FLUSH
4020	1053.25382	0.01736	TBM20
263	1048.20947	0.01910	AF 63 PMK FLUSH
244	1042.55076	0.02079	AF 44 PMK FLUSH
7062	1036.29636	0.01726	40201133 NW13 PMK +0.19
7048	1046.55727	0.01564	40201134 W4S13PMK +0.04
4022	1041.94076	0.02109	TBM22
245	1037.59076	0.02252	AF 45 PMK -0.06
4023	1036.84109	0.01882	TBM23
7061	1026.36273	0.01879	40201242 N4S24PMK +0.54
7064	1026.55019	0.01783	40201243 NW24 PMK +0.40
TPP?	1034.75891	0.01811	TPP?
7063	1030.75546	0.01802	40201134 W4S13PMK +0.57
7058	1038.47398	0.01985	40201241 NE24 PMK FLUSH
4024	1036.93864	0.02036	TBM24
252	1032.65330	0.02068	AF 52 PMK FLUSH
7057	1032.92974	0.02079	10201192 NES19PMK +0.31
246	1033.41262	0.02076	AF 46 PMK FLUSH
4025	1019.25482	0.01920	TBM25
4026	1019.47304	0.01891	TBM26
7068	1017.26347	0.01348	10201196 S4S19PMK FLUSH
247	1019.18189	0.01254	AF 47 PMK FLUSH
248	1016.28201	0.01480	AF 48 PMK FLUSH
7060	1014.10838	0.01719	40201247 SE24 PMK +0.49
249	1019.33474	0.01866	AF 49 PMK FLUSH
4027	1022.54401	0.01887	TBM27
4028	1022.51110	0.01941	TBM28
7066	1016.03819	0.01955	40201245 SW24 PMK +0.37
7065	1025.38455	0.01917	40201244 W4S24PMK +0.42

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PROJECT ____________ GROUP No. ____________

SECTION (S) ____________

TOWNSHIP ____________ RANGE ____________

____________ MERIDIAN, STATE ____________

SHEET No. 1 OF ______ SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

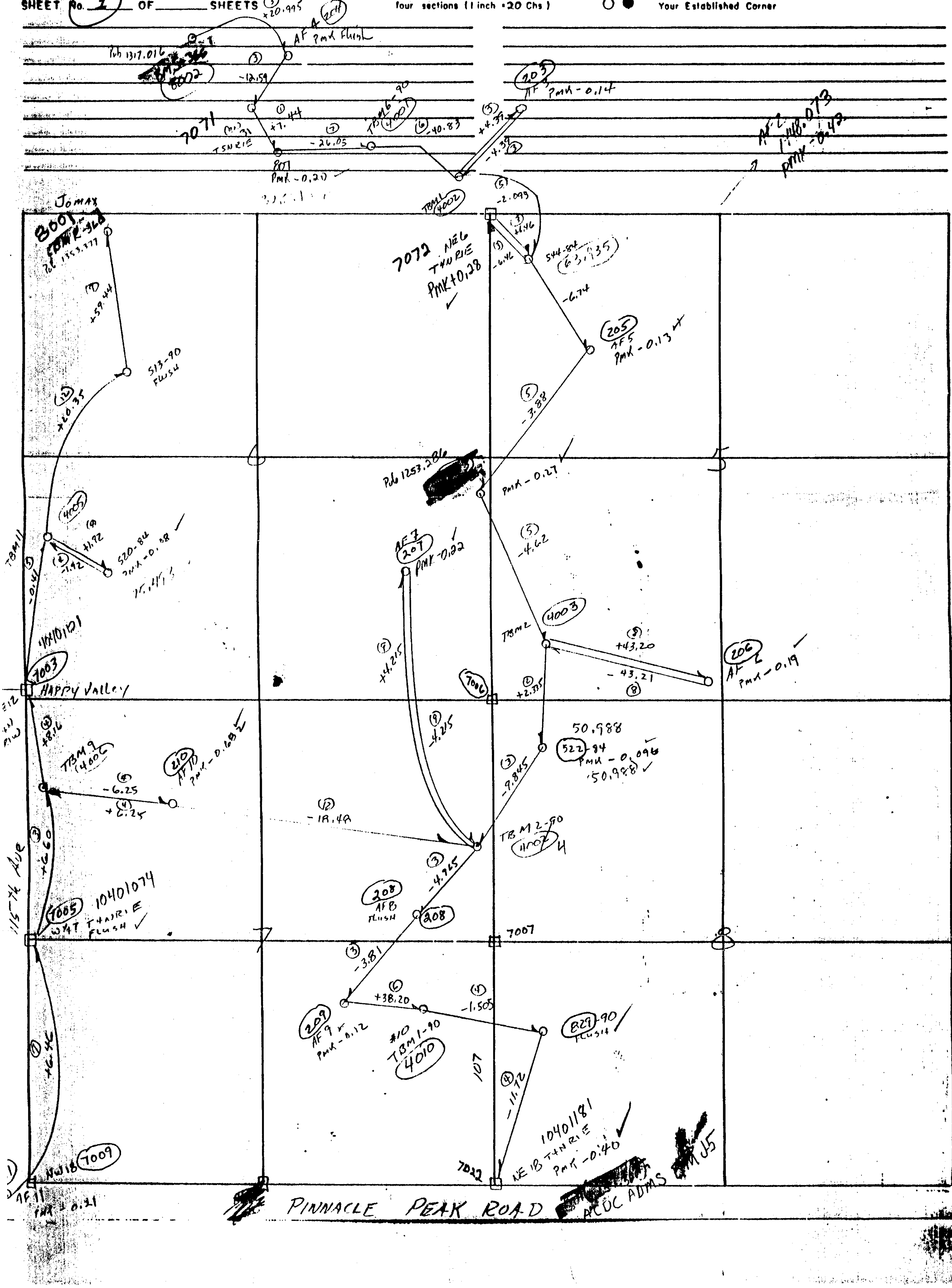
quarter section (1 inch = 5 Chs)

one section (1 inch = 10 Chs)

four sections (1 inch = 20 Chs)

Open symbol when not remonumented – Closed symbol when you monument

Symbol	Meaning
◊ ♦	GLO or BLM Monument
□ ■	Accepted Local Corner for Control
Open / closed	Local Control N/S and Proportionate E/W
Open / closed	Local Control E/W and Proportionate N/S
○ ●	Your Established Corner



PROJECT Agua Fria GROUP No. 9501D

SECTION (S)

TOWNSHIP T4N RANGE 1W & 1E

MERIDIAN, STATE

SHEET No. 2 OF SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

quarter section (1 inch = 5 Chs)

one section (1 inch = 10 Chs)

four sections (1 inch = 20 Chs)

Open symbol when not remonumented – Closed symbol when you monument

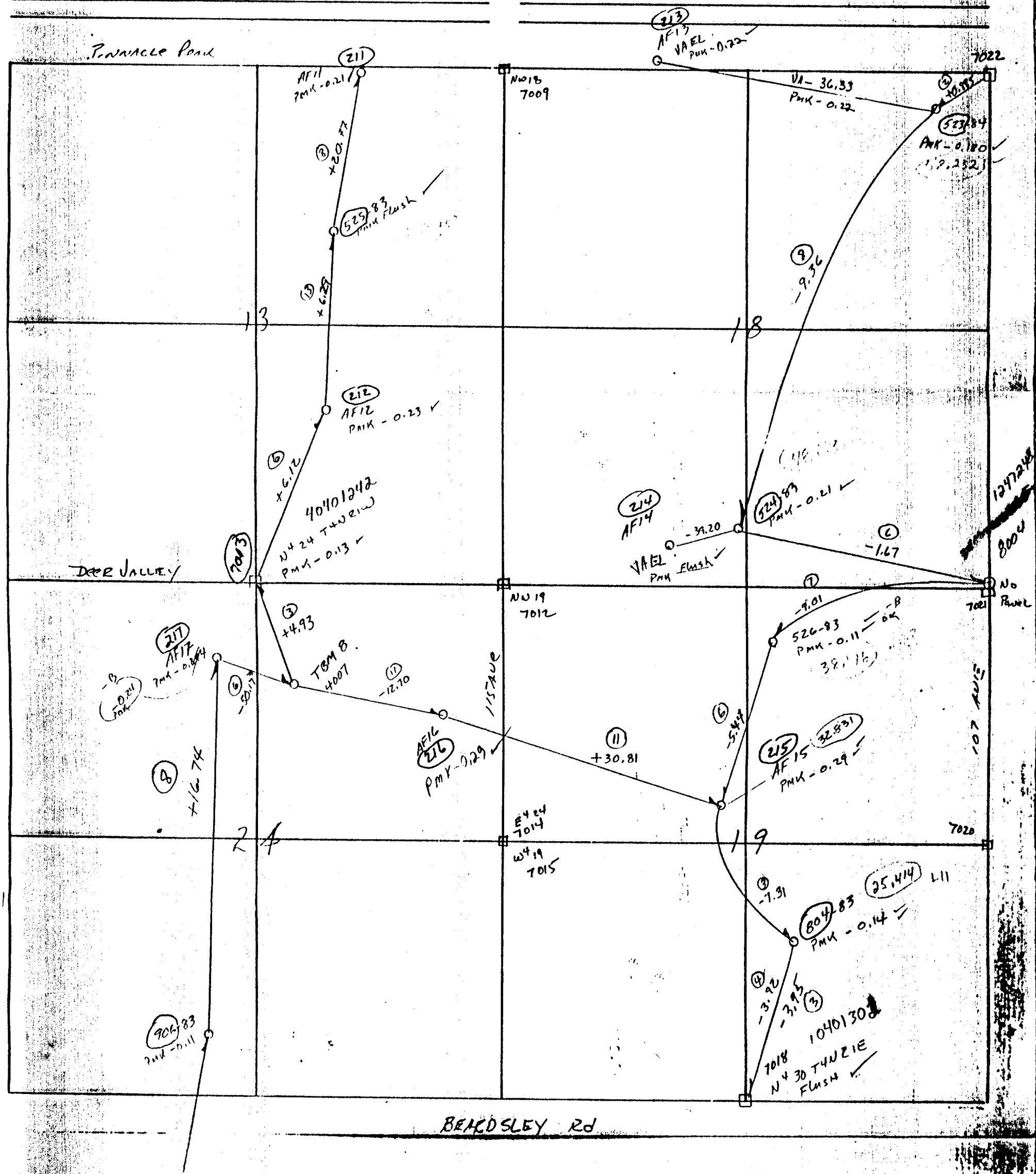
GLO or BLM Monument

Accepted Local Corner for Control

Local Control N/S and Proportionate E/W

Local Control E/W and Proportionate N/S

Your Established Corner



PROJECT _____ GROUP No. _____

SECTION (S) _____

TOWNSHIP _____ RANGE _____

_____ MERIDIAN, STATE _____

SHEET No. 3 OF _____ SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

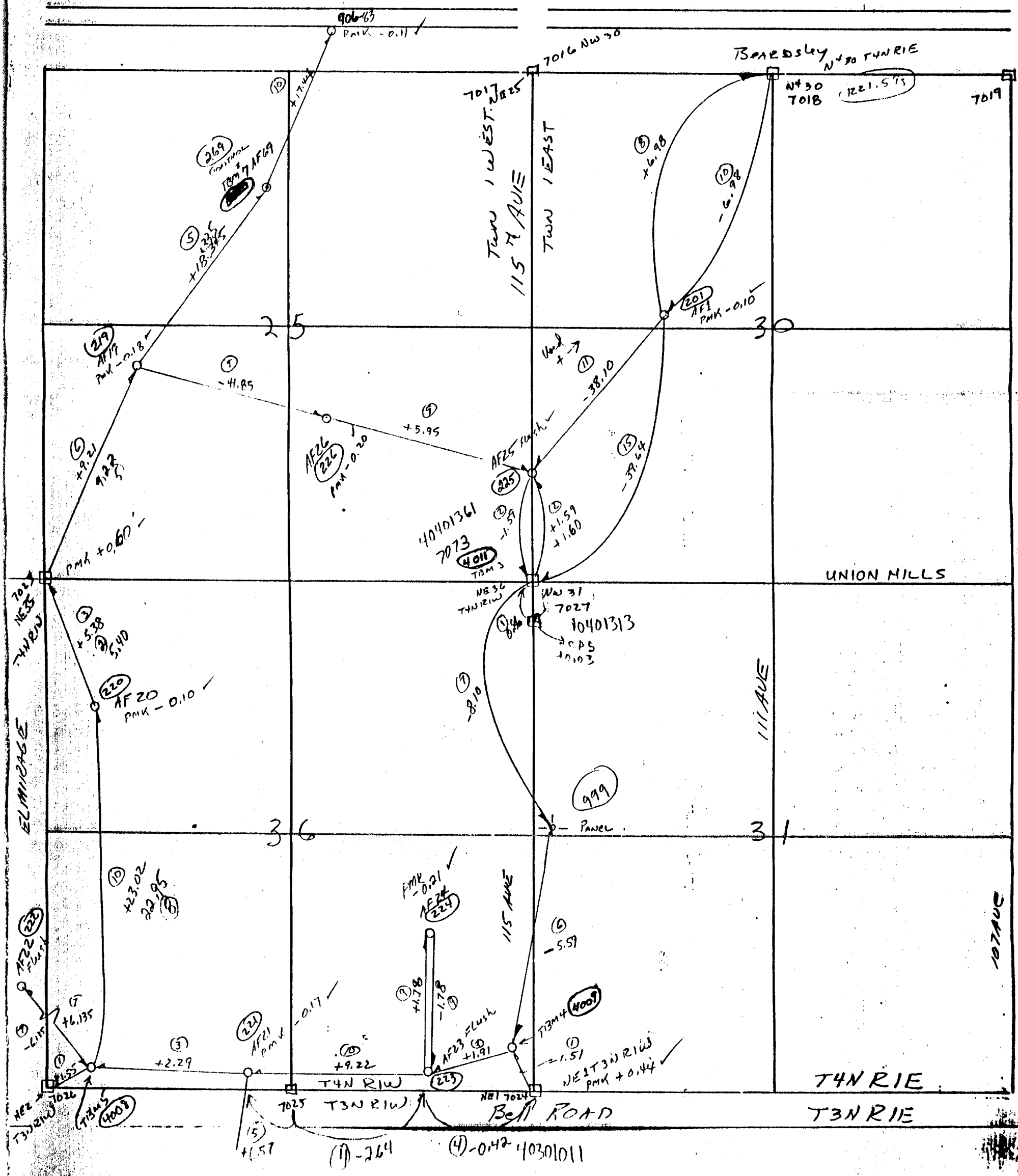
quarter section (1 inch = 5 Chs)

one section (1 inch = 10 Chs)

four sections (1 inch = 20 Chs.)

Open symbol when not remonumented – Closed symbol when you monument

- GLO or BLM Monument
- Accepted Local Corner for Control
- Local Control N/S and Proportionate E/W
- Local Control E/W and Proportionate N/S
- Your Established Corner



PROJECT AGUA FRIA GROUP No. AMCI

SECTION (S)

TOWNSHIP RANGE

MERIDIAN, STATE

SHEET No. 4 OF SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

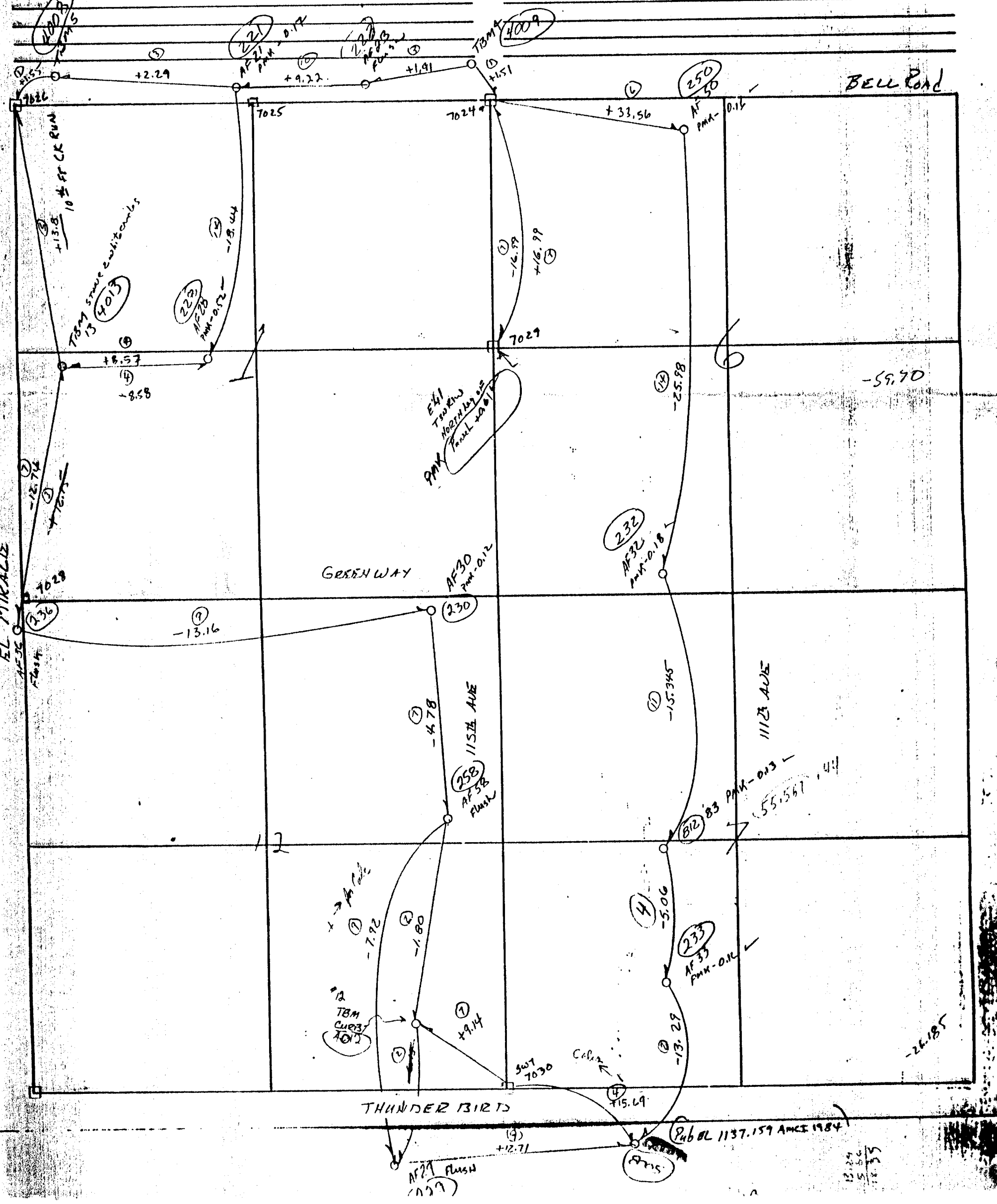
quarter section (1 inch = 5 Chs)

one section (1 inch = 10 Chs)

four sections (1 inch = 20 Chs)

Open symbol when not remonumented – Closed symbol when you monument

- GLO or BLM Monument
- Accepted Local Corner for Control
- Local Control N/S and Proportionate E/W
- Local Control E/W and Proportionate N/S
- Your Established Corner



PROJEC _____ GROUP No. _____

SECTION (S) _____

TOWNSHIP _____ RANGE _____

_____ MERIDIAN, STATE _____

SHEET No. 5 OF _____ SHEETS

CADAS L SURVEY

RANDOM / TRUE DIAGRAM

Scale

quarter section (1 inch = 5 Chs.)

one section (1 inch = 10 Chs.)

four sections (1 inch = 20 Chs.)

Open symbol when not remonumented – Closed symbol when you monument

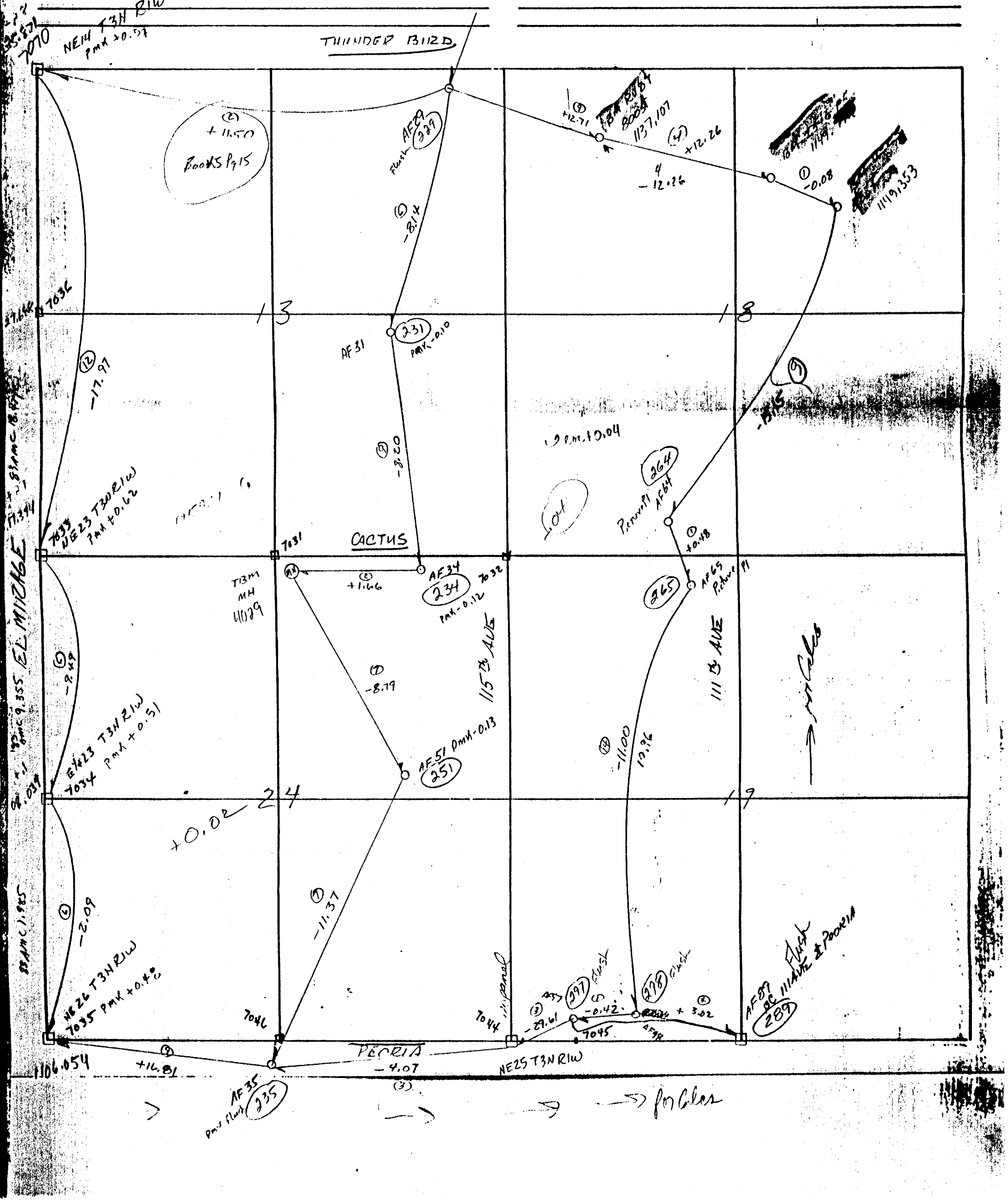
GLO or BLM Monument

Accepted Local Corner for Control

Local Control N/S and Proportionate E/W

Local Control E/W and Proportionate N/S

Your Established Corner



PROJECT _____ GROUP No. _____

SECTION (S) _____

TOWNSHIP _____ RANGE _____

_____ MERIDIAN, STATE _____

SHEET No. 6 OF _____ SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

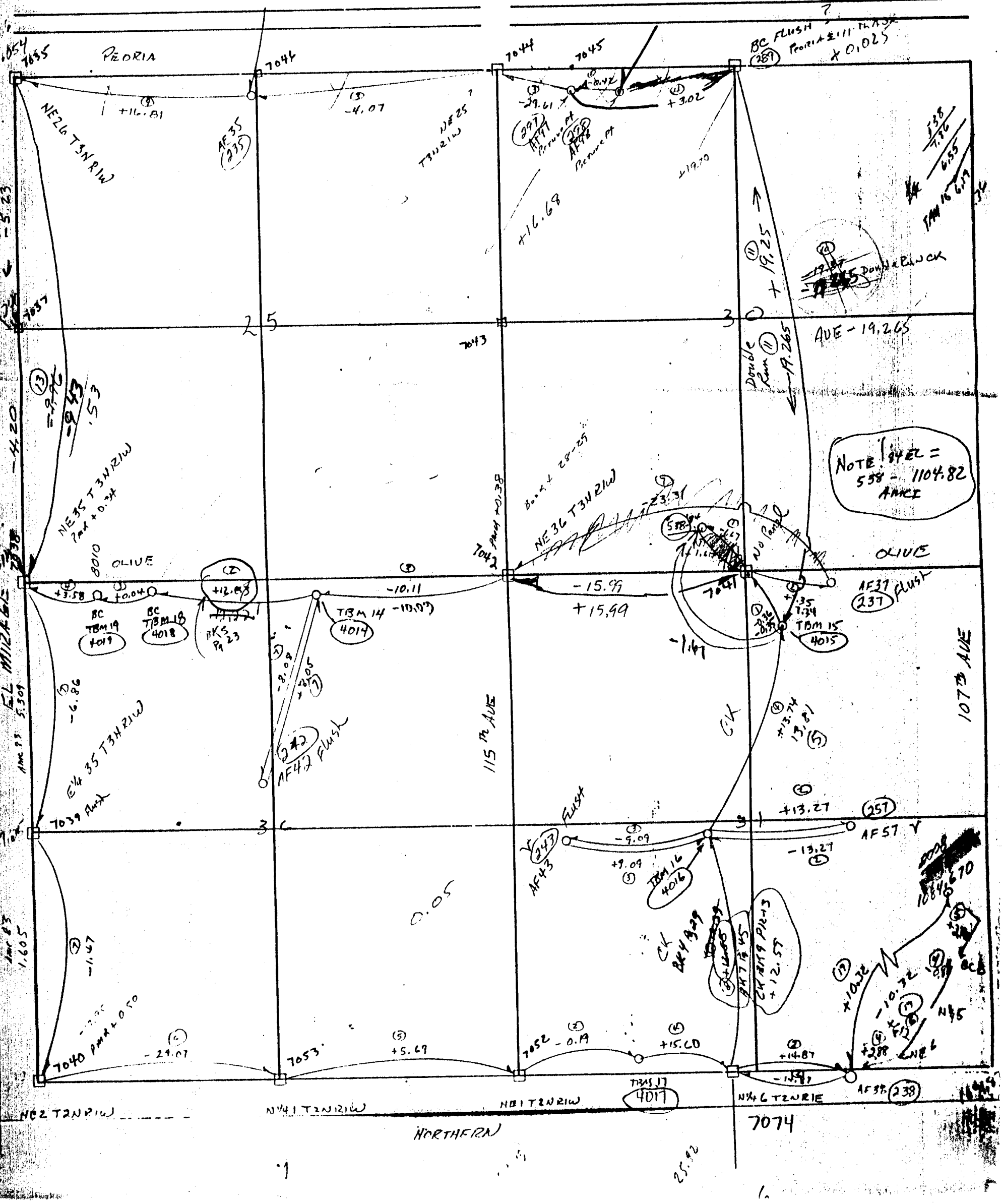
quarter section (1 inch = 5 Chs.)

one section (1 inch = 10 Chs.)

four sections (1 inch = 20 Chs.)

Open symbol when not remonumented – Closed symbol when you monument

- GLO or BLM Monument
- Accepted Local Corner for Control
- Local Control N/S and Proportionate E/W
- Local Control E/W and Proportionate N/S
- Your Established Corner



PROJECT _____ GROUP No. _____

SECTION (S) _____

TOWNSHIP _____ RANGE _____

_____ MERIDIAN, STATE _____

SHEET No. 7 OF _____ SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

quarter section (1 inch = 5 Chs)

one section (1 inch = 10 Chs)

four sections (1 inch = 20 Chs)

Open symbol when not remonumented – Closed symbol when you monument

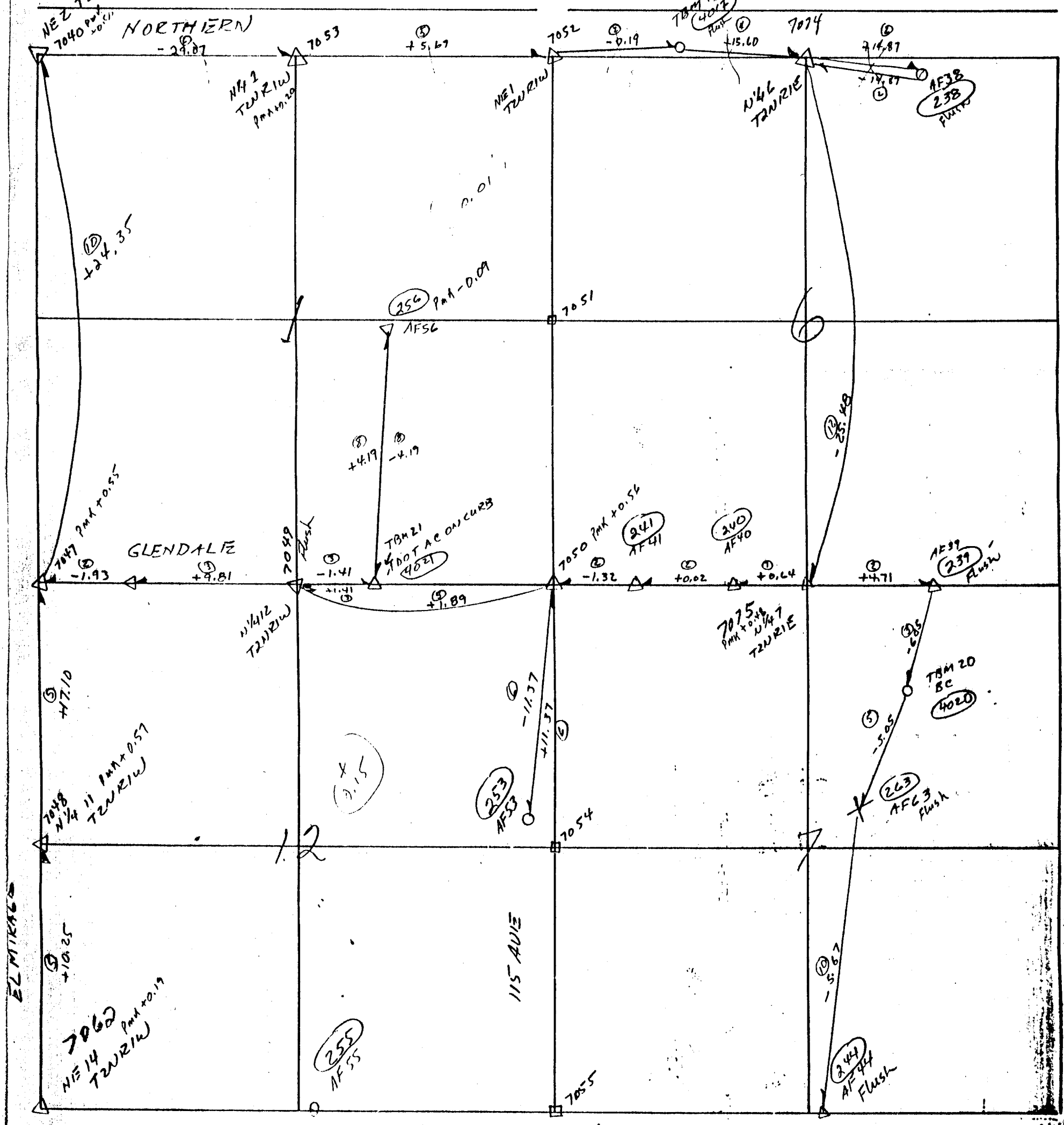
GLO or BLM Monument

Accepted Local Corner for Control

Local Control N/S and Proportionate E/W

Local Control E/W and Proportionate N/S

Your Established Corner



PROJECT _____ GROUP No _____

SECTION (S) _____

TOWNSHIP _____ RANGE _____

_____ MERIDIAN, STATE _____

SHEET No 8 OF _____ SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

quarter section (1 inch = 5 Chs)

one section (1 inch = 10 Chs)

four sections (1 inch = 20 Chs)

Open symbol when not remonumented – Closed symbol when you monument

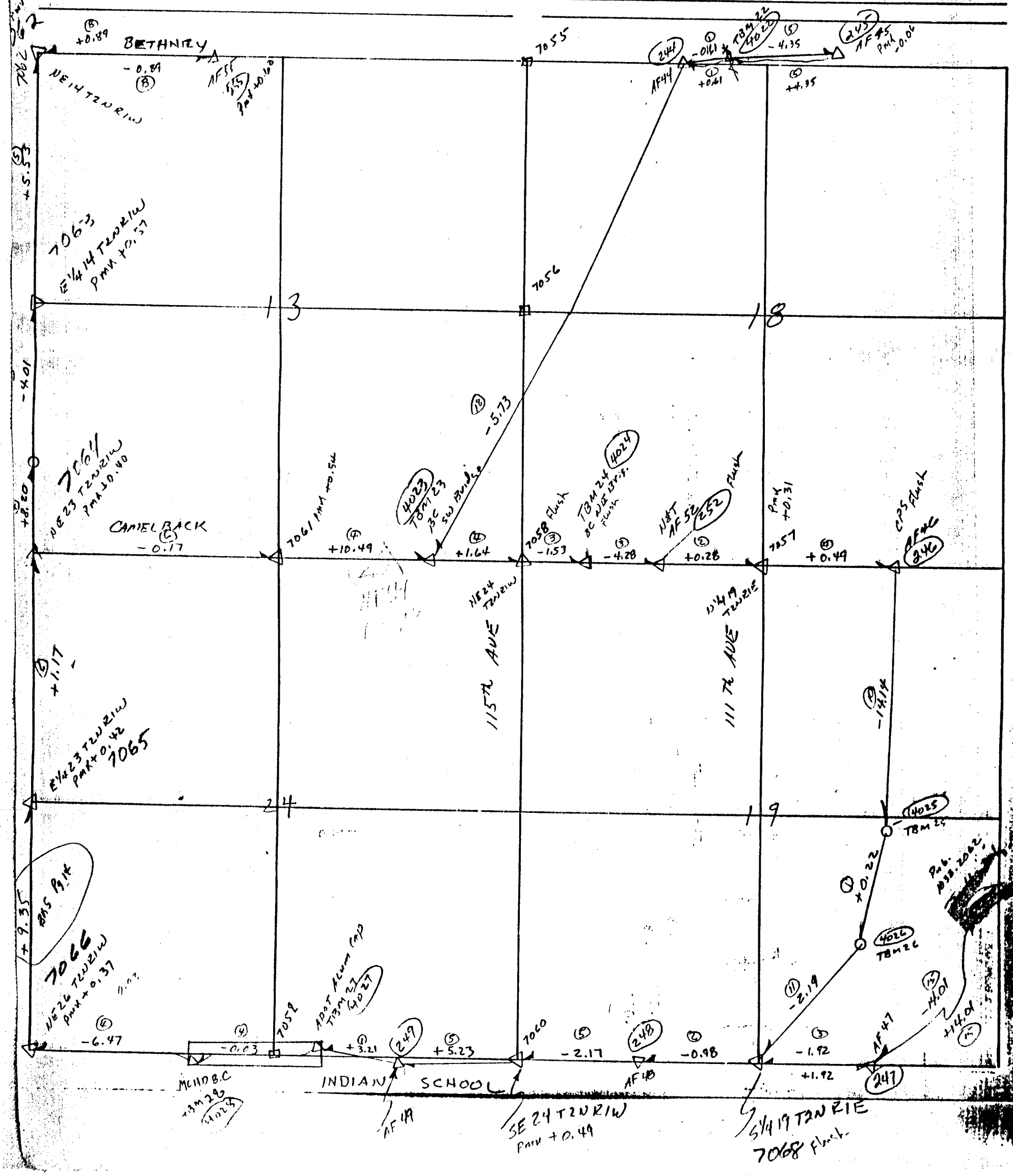
GLO or BLM Monument

Accepted Local Corner for Control

Local Control N/S and Proportionate E/W

Local Control E/W and Proportionate N/S

Your Established Corner



PROJECT _____ GROUP No. _____

SECTION (S) _____

TOWNSHIP _____ RANGE _____

_____ MERIDIAN, STATE _____

SHEET No. _____ OF _____ SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

quarter section (1 inch = 5 Chs.)

one section (1 inch = 10 Chs.)

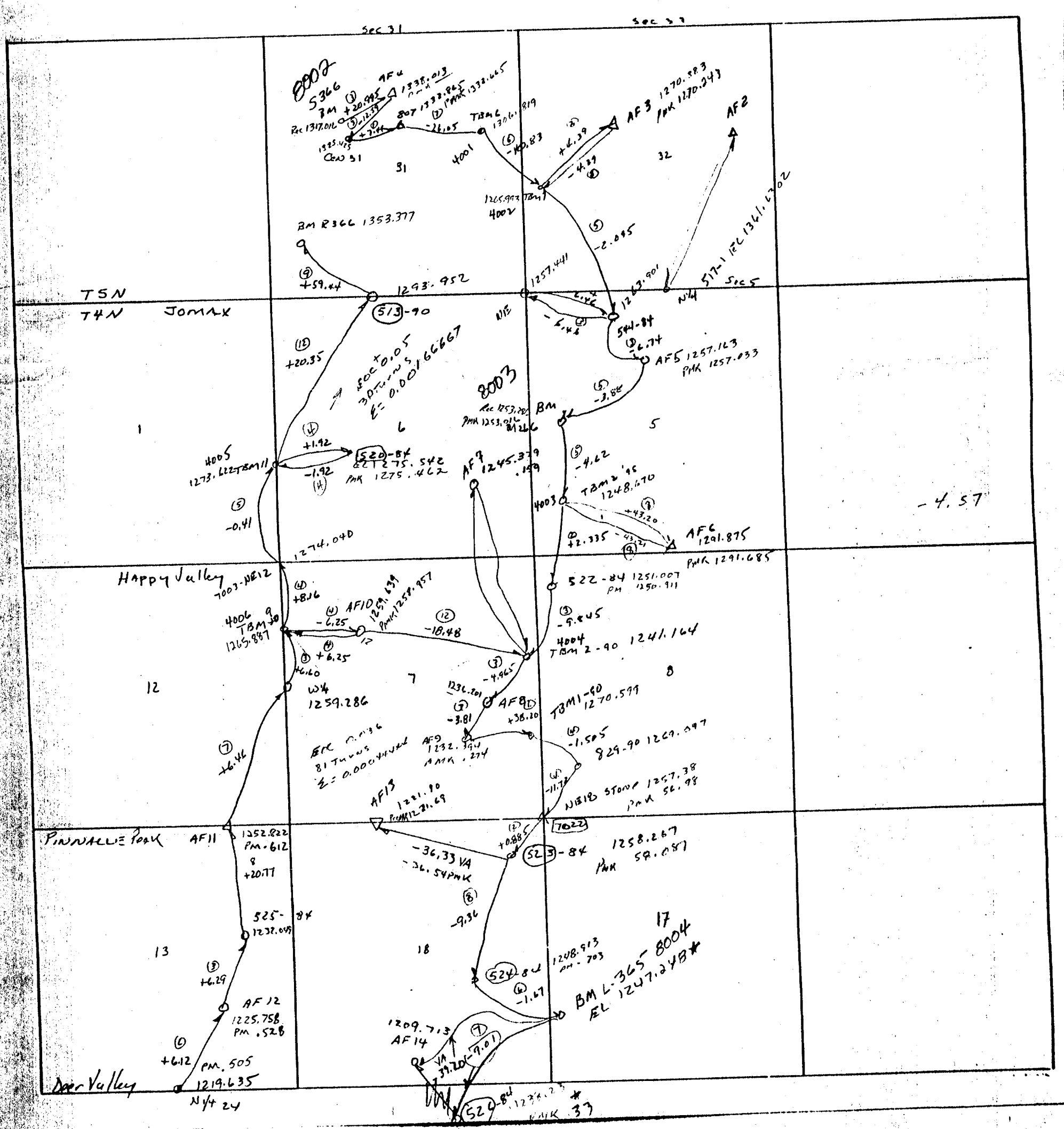
four sections (1 inch = 20 Chs.)

Open symbol when not remonumented — Closed symbol when you monument

- GLO or BLM Monument
- Accepted Local Corner for Control
- Local Control N/S and Proportionate E/W
- Local Control E/W and Proportionate N/S
- Your Established Corner

95010 AGUA FRIA RIVER

SHEET 1



PROJECT _____ GROUP No. _____

SECTION (S) _____

TOWNSHIP _____ RANGE _____

_____ MERIDIAN, STATE _____

SHEET No. _____ OF _____ SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

quarter section (1 inch = 5 Chs)

one section (1 inch = 10 Chs.)

four sections (1 inch = 20 Chs.)

Open symbol when not remonumented – Closed symbol when you monument

◊ ♦ GLO or BLM Monument

□ ■ Accepted Local Corner for Control

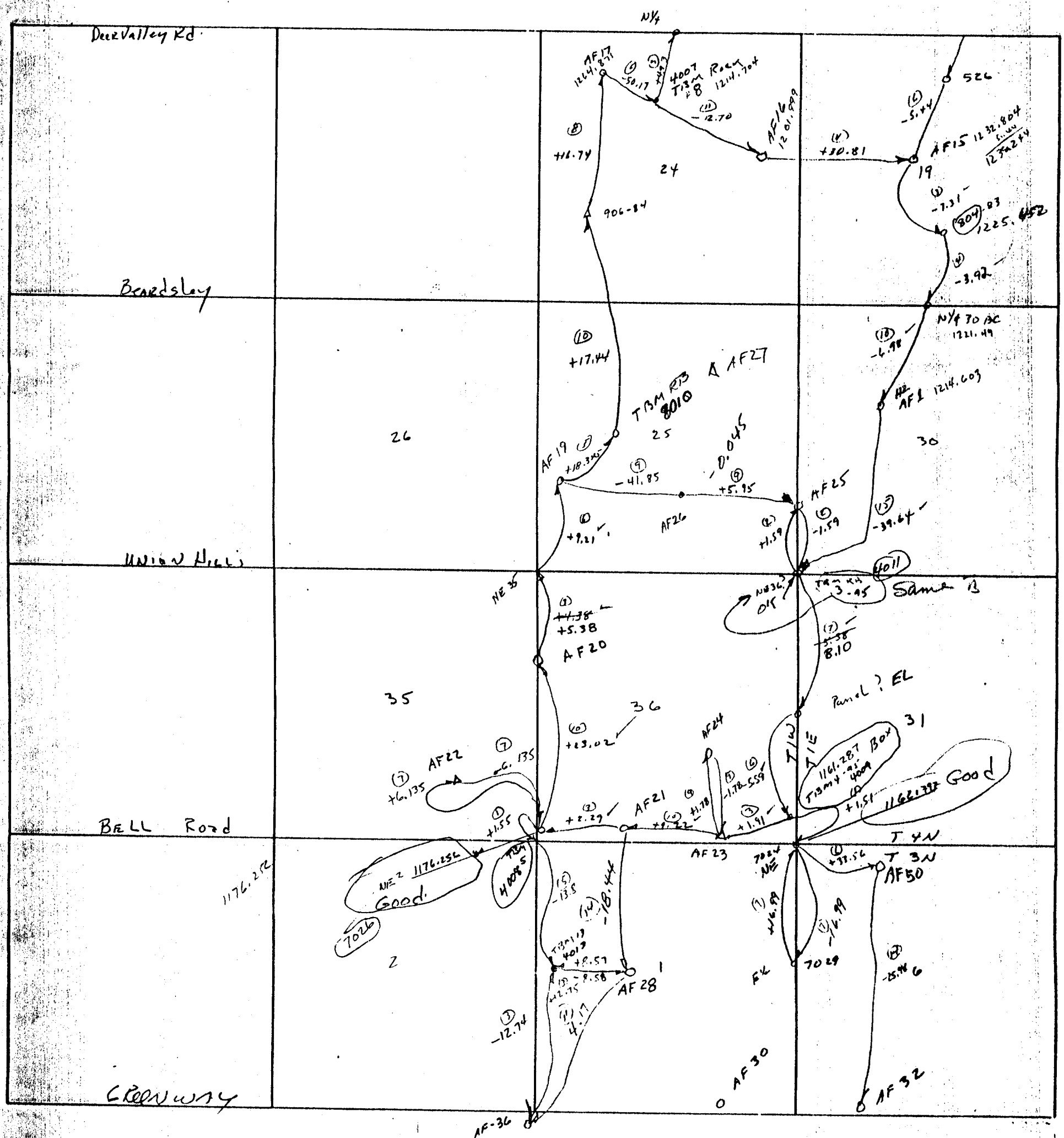
Local Control N/S and Proportionate E/W

Local Control E/W and Proportionate N/S

○ ● Your Established Corner

95010 AGUA FRIA RIVER

SHEET 2



PROJECT _____ GROUP No. _____

SECTION (S) _____

TOWNSHIP _____ RANGE _____

_____ MERIDIAN, STATE _____

SHEET No. _____ OF _____ SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

quarter section (1 inch = 5 Chs)

one section (1 inch = 10 Chs.)

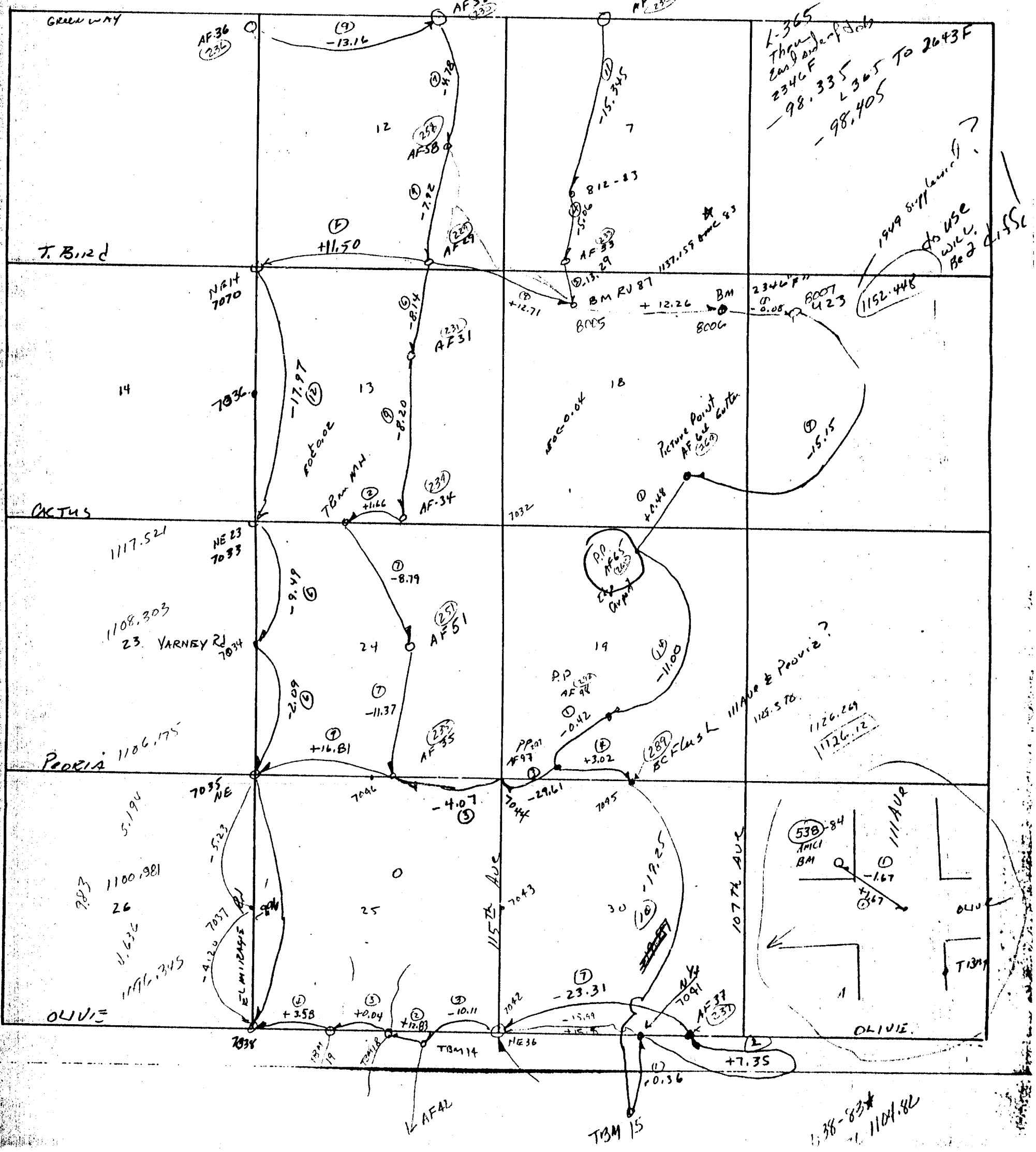
four sections (1 inch = 20 Chs)

Open symbol when not remonumented – Closed symbol when you monument

- GLO or BLM Monument
- Accepted Local Corner for Control
- Local Control N/S and Proportionate E/W
- Local Control E/W and Proportionate N/S
- Your Established Corner

95010 AGUA FRIA RIVIER

SHEET 3



PROJECT _____ GROUP No. _____

SECTION (S) _____

TOWNSHIP _____ RANGE _____

_____ MERIDIAN, STATE _____

SHEET No. _____ OF _____ SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

quarter section (1 inch = 5 Chs)

one section (1 inch = 10 Chs)

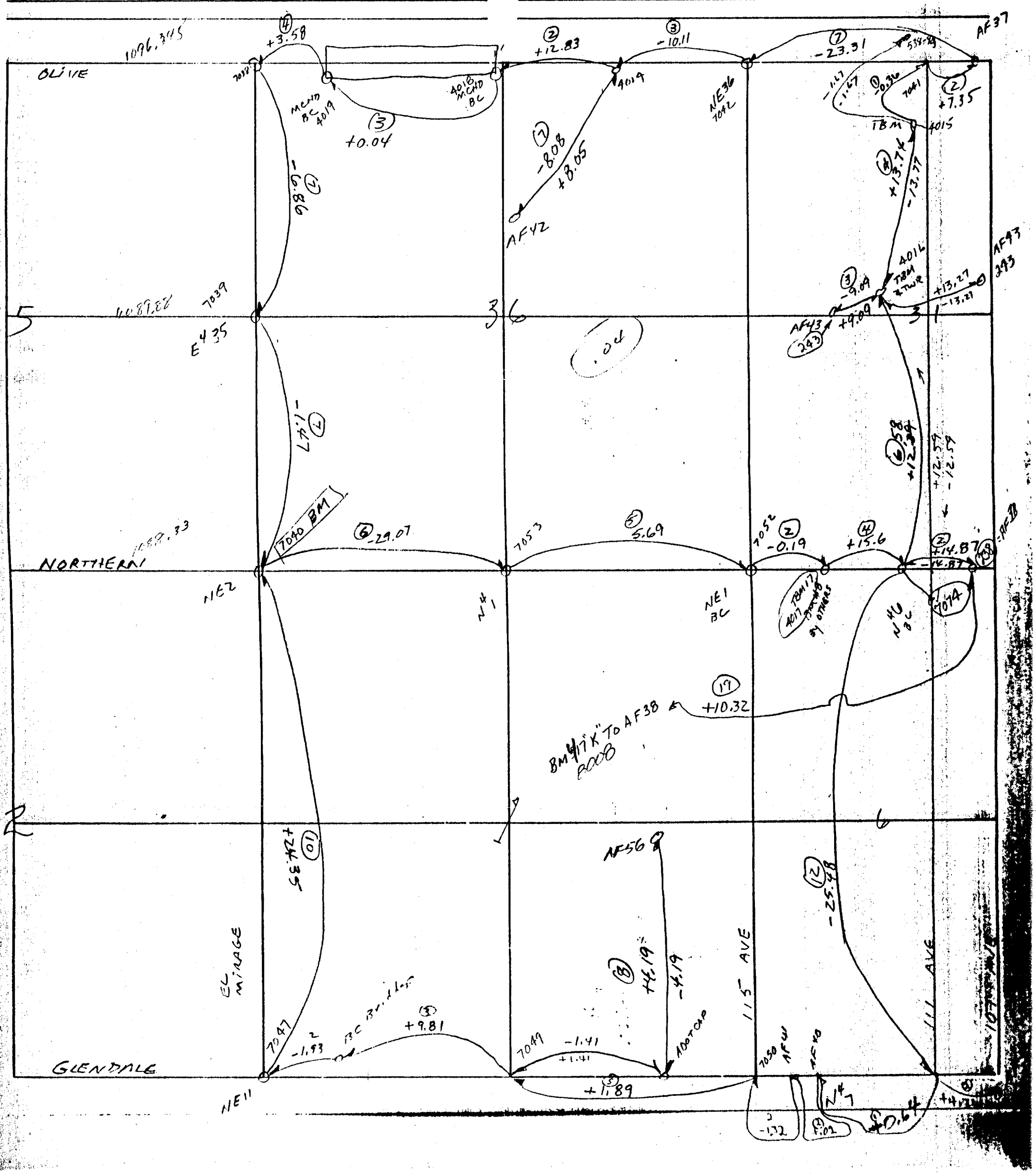
four sections (1 inch = 20 Chs)

Open symbol when not remonumented – Closed symbol when you monument

- GLO or BLM Monument
- Accepted Local Corner for Control
- Local Control N/S and Proportionate E/W
- Local Control E/W and Proportionate N/S
- Your Established Corner

95010 AGUA FRIA RIVIER

SHEET 4



PROJECT _____ GROUP No. _____

SECTION (S) _____

TOWNSHIP _____ RANGE _____

_____ MERIDIAN, STATE _____

SHEET No. _____ OF _____ SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

quarter section (1 inch = 5 Chs.)

one section (1 inch = 10 Chs)

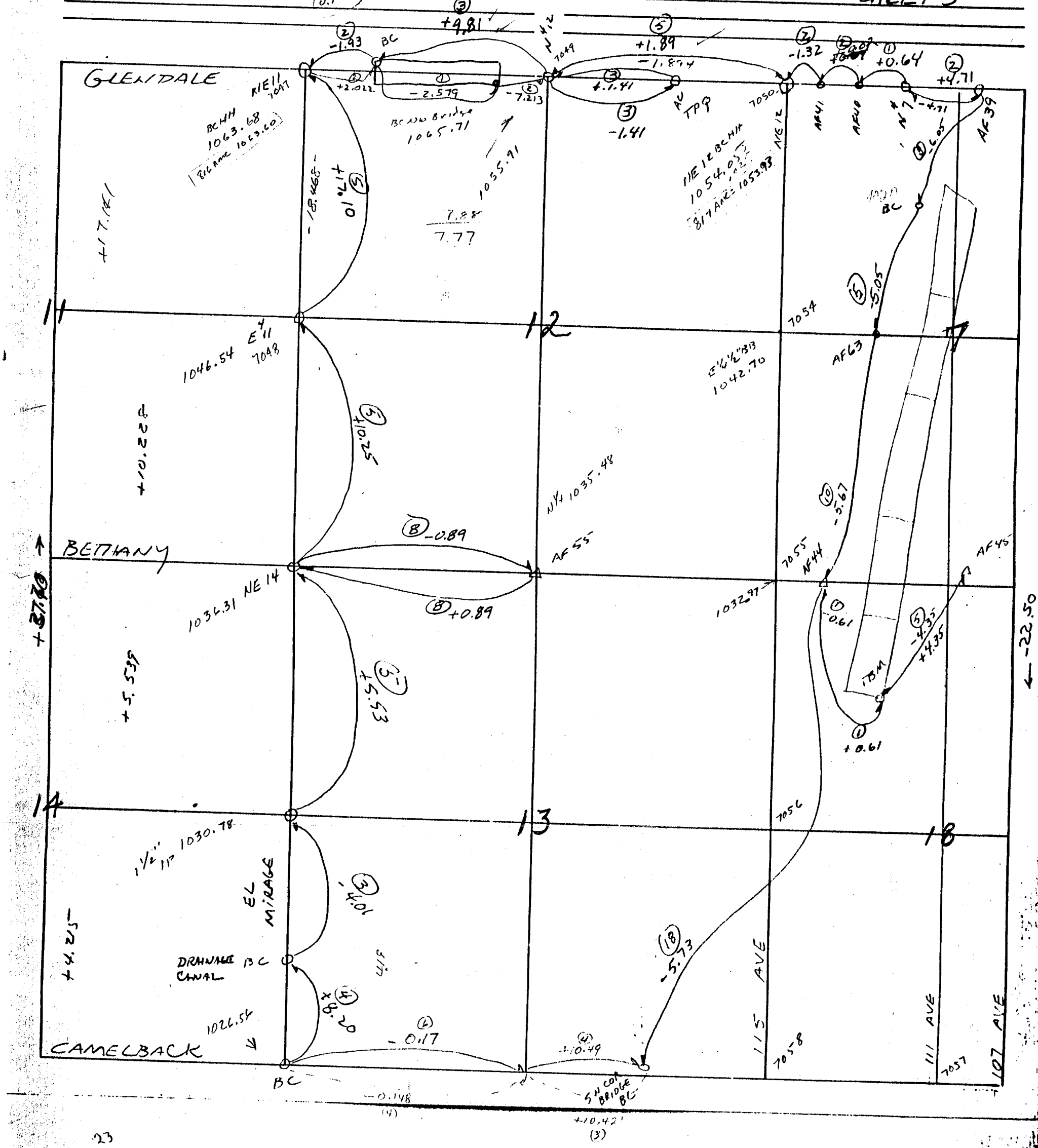
four sections (1 inch = 20 Chs)

Open symbol when not remonumented – Closed symbol when you monument

- GLO or BLM Monument
- Accepted Local Corner for Control
- Local Control N/S and Proportionate E/W
- Local Control E/W and Proportionate N/S
- Your Established Corner

95010 AGUA FRIA RIVER

SHEET 5



PROJECT _____ GROUP No. _____

SECTION (S) _____

TOWNSHIP _____ RANGE _____

_____ MERIDIAN, STATE _____

SHEET No. _____ OF _____ SHEETS

CADASTRAL SURVEY

RANDOM / TRUE DIAGRAM

Scale

quarter section (1 inch = 5 Chs.)

one section (1 inch = 10 Chs.)

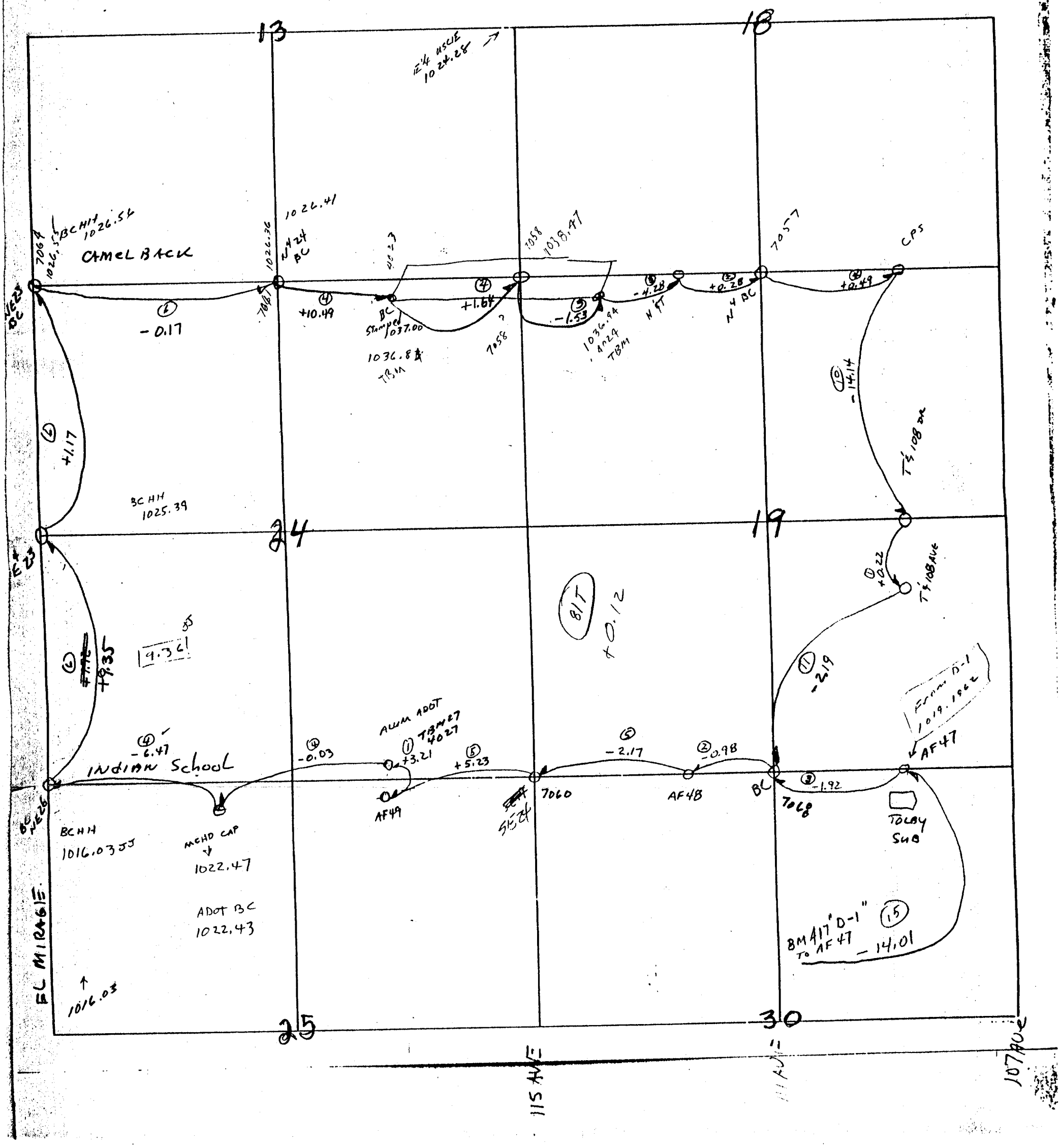
four sections (1 inch = 20 Chs.)

Open symbol when not remonumented – Closed symbol when you monument

- GLO or BLM Monument
- Accepted Local Corner for Control
- Local Control N/S and Proportionate E/W
- Local Control E/W and Proportionate N/S
- Your Established Corner

95010 AGUA FRIA RIVIER

SHEET 6



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GPA Associates
UNO Box 1200
New Orleans, LA 70148
(504) 286-1200

95010 AGUA FRIA FLOOD STUDY FCDMC FLIGHTS 1,2,3,4,5 1:7200 9/6/95 FINAL

Object Space Reference System is Rectangular (Close-Range)

Rotation angles are Photo-to-Object

Complete Triangulation process is requested

Error Propagation is not requested

Image Residuals greater than 0.008 (mm) will be listed

Triangulated Object Coordinates will be saved

Adjusted Camera Station Parameters will be saved

Images are in millimeters. Object space is in feet

O B J E C T C O N T R O L D A T A

		Position		Std. Dev.	
10701	X =	0.0000	ft	0.3000	
	Y =	0.0000	ft	0.3000	TYPE = 3
	Z =	1094.9480	ft	0.2000	
10702	X =	0.0000	ft	0.3000	
	Y =	0.0000	ft	0.3000	TYPE = 3
	Z =	1048.2090	ft	0.2000	
10703	X =	584680.9790	ft	0.3000	
	Y =	917726.8800	ft	0.3000	TYPE = 0
	Z =	1037.5300	ft	0.2000	
10704	X =	584902.9330	ft	0.3000	
	Y =	912571.5340	ft	0.3000	TYPE = 0
	Z =	1033.4120	ft	0.2000	
10705	X =	583597.8460	ft	0.3000	
	Y =	912510.1150	ft	0.3000	TYPE = 0
	Z =	1033.2390	ft	0.2000	
10707	X =	584806.1910	ft	0.3000	
	Y =	907287.9570	ft	0.3000	TYPE = 0
	Z =	1019.1820	ft	0.2000	
10708	X =	582127.8180	ft	0.3000	
	Y =	938802.7750	ft	0.3000	TYPE = 0
	Z =	1122.6860	ft	0.2000	
10709	X =	582157.0520	ft	0.3000	
	Y =	938803.3600	ft	0.3000	TYPE = 0
	Z =	1123.1090	ft	0.2000	
10710	X =	0.0000	ft	0.3000	
	Y =	0.0000	ft	0.3000	TYPE = 3
	Z =	1134.1040	ft	0.2000	
10711	X =	0.0000	ft	0.3000	
	Y =	0.0000	ft	0.3000	TYPE = 3
	Z =	1133.6220	ft	0.2000	
10801	X =	574988.4010	ft	0.3000	
	Y =	961109.8750	ft	0.3000	TYPE = 0
	Z =	1180.7760	ft	0.2000	
10802	X =	0.0000	ft	0.3000	
	Y =	0.0000	ft	0.3000	TYPE = 3
	Z =	1197.5820	ft	0.2000	
10803	X =	575762.3590	ft	0.3500	
	Y =	965432.5720	ft	0.3500	TYPE = 4
	Z =	0.0000	ft	0.1000	

O B J E C T C O N T R O L D A T A

		Position	Std. Dev.	
10804	X =	0.0000 ft	0.3000	TYPE = 3
	Y =	0.0000 ft	0.3000	
	Z =	1212.1370 ft	0.2000	
10805	X =	0.0000 ft	0.3000	TYPE = 3
	Y =	0.0000 ft	0.3000	
	Z =	0.0000 ft	0.2000	
10806	X =	577522.4010 ft	0.3000	TYPE = 4
	Y =	972067.0750 ft	0.3000	
	Z =	0.0000 ft	0.2000	
10807	X =	0.0000 ft	0.3000	TYPE = 3
	Y =	0.0000 ft	0.3000	
	Z =	1264.6020 ft	0.2000	
10808	X =	0.0000 ft	0.3000	TYPE = 3
	Y =	0.0000 ft	0.3000	
	Z =	1225.4980 ft	0.2000	
10809	X =	578371.6860 ft	0.3500	TYPE = 4
	Y =	975975.1540 ft	0.3500	
	Z =	0.0000 ft	0.1000	
10810	X =	579635.0480 ft	0.3000	TYPE = 0
	Y =	981370.8360 ft	0.3000	
	Z =	1252.5850 ft	0.2000	
10812	X =	0.0000 ft	0.3000	TYPE = 3
	Y =	0.0000 ft	0.3000	
	Z =	1258.9300 ft	0.2000	
10814	X =	0.0000 ft	0.3000	TYPE = 3
	Y =	0.0000 ft	0.3000	
	Z =	1293.9520 ft	0.2000	
10815	X =	0.0000 ft	0.3000	TYPE = 3
	Y =	0.0000 ft	0.3000	
	Z =	1337.9990 ft	0.2000	
10816	X =	587214.9930 ft	0.3500	TYPE = 0
	Y =	994132.9610 ft	0.3500	
	Z =	1270.2310 ft	0.1000	
10817	X =	586372.4190 ft	0.3500	TYPE = 0
	Y =	991502.2180 ft	0.3500	
	Z =	1257.7210 ft	0.1000	
10818	X =	577632.2040 ft	0.3000	TYPE = 0
	Y =	957253.7890 ft	0.3000	
	Z =	1153.3870 ft	0.2000	

OBJECT CONTROL DATA

		Position		Std. Dev.	
10819	X =	576811.4340	ft	0.3000	
	Y =	960302.9250	ft	0.3000	TYPE = 0
	Z =	1172.1740	ft	0.2000	
10821	X =	579495.3730	ft	0.3000	
	Y =	969578.8310	ft	0.3000	TYPE = 4
	Z =	1184.6270	ft	0.2000	
10822	X =	0.0000	ft	0.3000	
	Y =	0.0000	ft	0.3000	TYPE = 3
	Z =	1201.6860	ft	0.2000	
10824	X =	582846.2800	ft	0.3500	
	Y =	981069.5060	ft	0.3500	TYPE = 0
	Z =	1221.7010	ft	0.1000	
10825	X =	579705.8960	ft	0.3000	
	Y =	960140.0940	ft	0.3000	TYPE = 0
	Z =	1163.1180	ft	0.2000	
10826	X =	0.0000	ft	0.3000	
	Y =	0.0000	ft	0.3000	TYPE = 3
	Z =	1164.6880	ft	0.2000	
10827	X =	0.0000	ft	0.3000	
	Y =	0.0000	ft	0.3000	TYPE = 3
	Z =	1176.4480	ft	0.2000	
10828	X =	582729.5970	ft	0.3000	
	Y =	968927.0460	ft	0.3000	TYPE = 0
	Z =	1214.4450	ft	0.2000	
10829	X =	583533.1980	ft	0.3000	
	Y =	971901.3790	ft	0.3000	TYPE = 0
	Z =	1225.3560	ft	0.2000	
10830	X =	0.0000	ft	0.3000	
	Y =	0.0000	ft	0.3000	TYPE = 3
	Z =	1232.4970	ft	0.2000	
10831	X =	0.0000	ft	0.3500	
	Y =	0.0000	ft	0.3500	TYPE = 3
	Z =	1238.3300	ft	0.1000	
10832	X =	0.0000	ft	0.3000	
	Y =	0.0000	ft	0.3000	TYPE = 3
	Z =	1209.7060	ft	0.2000	
10833	X =	0.0000	ft	0.3500	
	Y =	0.0000	ft	0.3500	TYPE = 3
	Z =	1248.9700	ft	0.1000	

O B J E C T C O N T R O L D A T A

		Position		Std. Dev.	
10835	X =	585987.4680	ft	0.3000	
	Y =	980490.8580	ft	0.3000	TYPE = 0
	Z =	1258.0870	ft	0.2000	
10836	X =	586544.6980	ft	0.3500	
	Y =	981103.1140	ft	0.3500	TYPE = 0
	Z =	1256.9800	ft	0.1000	
10837	X =	0.0000	ft	0.3500	
	Y =	0.0000	ft	0.3500	TYPE = 3
	Z =	1269.0970	ft	0.1000	
10838	X =	0.0000	ft	0.3000	
	Y =	0.0000	ft	0.3000	TYPE = 3
	Z =	1232.2540	ft	0.2000	
10839	X =	0.0000	ft	0.3000	
	Y =	0.0000	ft	0.3000	TYPE = 3
	Z =	1236.1820	ft	0.2000	
10840	X =	0.0000	ft	0.3000	
	Y =	0.0000	ft	0.3000	TYPE = 3
	Z =	1250.9110	ft	0.2000	
10841	X =	0.0000	ft	0.3000	
	Y =	0.0000	ft	0.3000	TYPE = 3
	Z =	1291.6690	ft	0.2000	
10842	X =	0.0000	ft	0.3000	
	Y =	0.0000	ft	0.3000	TYPE = 3
	Z =	1245.1390	ft	0.2000	
10843	X =	0.0000	ft	0.3000	
	Y =	0.0000	ft	0.3000	TYPE = 3
	Z =	1253.0160	ft	0.1000	
10844	X =	0.0000	ft	0.3000	
	Y =	0.0000	ft	0.3000	TYPE = 3
	Z =	1257.0220	ft	0.1000	
10845	X =	0.0000	ft	0.3000	
	Y =	0.0000	ft	0.3000	TYPE = 3
	Z =	1263.9010	ft	0.1000	
10846	X =	588154.9600	ft	0.3000	
	Y =	992369.1250	ft	0.3000	TYPE = 4
	Z =	0.0000	ft	0.2000	
10847	X =	589887.7140	ft	0.3000	
	Y =	993156.0990	ft	0.3000	TYPE = 0
	Z =	1447.6530	ft	0.1000	

O B J E C T C O N T R O L D A T A

		Position	Std. Dev.	
10848	X =	581015.4430 ft	0.3500	TYPE = 7
	Y =	957241.6180 ft	0.3500	
	Z =	1146.4170 ft	0.1000	
10849	X =	581012.7890 ft	0.3500	TYPE = 0
	Y =	960135.6100 ft	0.3500	
	Z =	1163.2200 ft	0.1000	
10850	X =	582780.2240 ft	0.3000	TYPE = 0
	Y =	959935.4780 ft	0.3000	
	Z =	1196.1030 ft	0.2000	
10851	X =	583701.0760 ft	0.3000	TYPE = 0
	Y =	994252.2360 ft	0.3000	
	Z =	1332.8650 ft	0.1000	
10853	X =	0.0000 ft	0.3000	TYPE = 3
	Y =	0.0000 ft	0.3000	
	Z =	1149.7430 ft	0.2000	
10854	X =	0.0000 ft	0.3000	TYPE = 3
	Y =	0.0000 ft	0.3000	
	Z =	1136.4650 ft	0.2000	
10855	X =	579232.0380 ft	0.3000	TYPE = 0
	Y =	949308.3820 ft	0.3000	
	Z =	1123.8720 ft	0.2000	
10856	X =	0.0000 ft	0.3000	TYPE = 3
	Y =	0.0000 ft	0.3000	
	Z =	1131.8060 ft	0.2000	
10857	X =	575768.4880 ft	0.3000	TYPE = 0
	Y =	949343.5140 ft	0.3000	
	Z =	1135.3710 ft	0.2000	
10859	X =	575768.7040 ft	0.3000	TYPE = 0
	Y =	944057.3260 ft	0.3000	
	Z =	1118.3350 ft	0.2000	
10858	X =	0.0000 ft	0.3000	TYPE = 3
	Y =	0.0000 ft	0.3000	
	Z =	1115.6280 ft	0.2000	
10860	X =	0.0000 ft	0.3000	TYPE = 3
	Y =	0.0000 ft	0.3000	
	Z =	1107.4020 ft	0.2000	
10861	X =	0.0000 ft	0.3000	TYPE = 3
	Y =	0.0000 ft	0.3000	
	Z =	1100.2550 ft	0.2000	

O B J E C T C O N T R O L D A T A

		Position		Std. Dev.	
10862	X =	575780.1870	ft	0.3000	
	Y =	938783.0090	ft	0.3000	TYPE = 0
	Z =	1105.8210	ft	0.2000	
10863	X =	579100.7060	ft	0.3000	
	Y =	938741.9300	ft	0.3000	TYPE = 0
	Z =	1089.0110	ft	0.2000	
10864	X =	575781.7950	ft	0.3000	
	Y =	933513.8190	ft	0.3000	TYPE = 7
	Z =	1096.3970	ft	0.2000	
10865	X =	0.0000	ft	0.3000	
	Y =	0.0000	ft	0.3000	TYPE = 3
	Z =	1071.9010	ft	0.2000	
10866	X =	575787.9130	ft	0.3000	
	Y =	928257.1590	ft	0.3000	TYPE = 0
	Z =	1088.5200	ft	0.2000	
10867	X =	0.0000	ft	0.3000	
	Y =	0.0000	ft	0.3000	TYPE = 3
	Z =	1058.4880	ft	0.2000	
10868	X =	575914.6360	ft	0.3000	
	Y =	922985.2230	ft	0.3000	TYPE = 0
	Z =	1064.2170	ft	0.2000	
10869	X =	0.0000	ft	0.3000	
	Y =	0.0000	ft	0.3000	TYPE = 3
	Z =	1055.7980	ft	0.2000	
10870	X =	575891.9950	ft	0.3000	
	Y =	917711.7420	ft	0.3000	TYPE = 0
	Z =	1036.4860	ft	0.2000	
10871	X =	578477.6540	ft	0.3000	
	Y =	917687.6750	ft	0.3000	TYPE = 4
	Z =	0.0000	ft	0.2000	
10872	X =	575863.6440	ft	0.3000	
	Y =	912424.6220	ft	0.3000	TYPE = 0
	Z =	1026.9500	ft	0.2000	
10873	X =	578489.6470	ft	0.3000	
	Y =	912410.2610	ft	0.3000	TYPE = 0
	Z =	1026.9020	ft	0.2000	
10874	X =	579509.9210	ft	0.3000	
	Y =	912405.3170	ft	0.3000	TYPE = 4
	Z =	0.0000	ft	0.2000	

O B J E C T C O N T R O L D A T A

		Position	Std. Dev.	
10875	X =	575882.1990 ft	0.3000	TYPE = 7
	Y =	909821.1430 ft	0.3000	
	Z =	1025.8040 ft	0.2000	
10876	X =	575901.4220 ft	0.3000	TYPE = 0
	Y =	907217.5340 ft	0.3000	
	Z =	1016.4080 ft	0.2000	
10877	X =	0.0000 ft	0.3000	TYPE = 3
	Y =	0.0000 ft	0.3000	
	Z =	1019.3350 ft	0.2000	
10878	X =	581015.4430 ft	0.3000	TYPE = 0
	Y =	957241.6180 ft	0.3000	
	Z =	1146.3290 ft	0.2000	
10879	X =	0.0000 ft	0.3000	TYPE = 3
	Y =	0.0000 ft	0.3000	
	Z =	1170.0990 ft	0.2000	
10880	X =	582360.5080 ft	0.3000	TYPE = 0
	Y =	950354.5390 ft	0.3000	
	Z =	1154.8010 ft	0.2000	
10881	X =	582194.3380 ft	0.3000	TYPE = 0
	Y =	949099.1290 ft	0.3000	
	Z =	1149.7100 ft	0.2000	
10882	X =	581071.0760 ft	0.3000	TYPE = 4
	Y =	933455.1480 ft	0.3000	
	Z =	1090.0830 ft	0.2000	
10883	X =	0.0000 ft	0.3000	TYPE = 3
	Y =	0.0000 ft	0.3000	
	Z =	1083.5750 ft	0.2000	
10884	X =	581096.4910 ft	0.3000	TYPE = 0
	Y =	928173.5090 ft	0.3000	
	Z =	1065.1170 ft	0.2000	
10885	X =	0.0000 ft	0.3000	TYPE = 3
	Y =	0.0000 ft	0.3000	
	Z =	1080.6770 ft	0.2000	
10886	X =	0.0000 ft	0.3000	TYPE = 3
	Y =	0.0000 ft	0.3000	
	Z =	1054.4770 ft	0.2000	
10887	X =	581788.7730 ft	0.3000	TYPE = 0
	Y =	922931.8160 ft	0.3000	
	Z =	1055.2410 ft	0.2000	

O B J E C T C O N T R O L D A T A

		Position		Std. Dev.	
	X =	582959.8300	ft	0.3000	
10888	Y =	922922.8160	ft	0.3000	TYPE = 0
	Z =	1055.2250	ft	0.2000	
	X =	0.0000	ft	0.3000	
10889	Y =	0.0000	ft	0.3000	TYPE = 3
	Z =	1054.5870	ft	0.2000	
	X =	0.0000	ft	0.3000	
10890	Y =	0.0000	ft	0.3000	TYPE = 3
	Z =	1042.4070	ft	0.2000	
	X =	582771.7350	ft	0.3000	
10891	Y =	917590.8040	ft	0.3000	TYPE = 0
	Z =	1042.5500	ft	0.2000	
	X =	0.0000	ft	0.3000	
10892	Y =	0.0000	ft	0.3000	TYPE = 3
	Z =	1038.4740	ft	0.2000	
	X =	583003.2840	ft	0.3000	
10893	Y =	912482.9290	ft	0.3000	TYPE = 0
	Z =	1032.6530	ft	0.2000	
	X =	581104.3380	ft	0.3000	
10894	Y =	907139.6350	ft	0.3000	TYPE = 0
	Z =	1014.1080	ft	0.2000	
	X =	582832.8730	ft	0.3000	
10895	Y =	907216.2380	ft	0.3000	TYPE = 3
	Z =	1016.2820	ft	0.2000	
	X =	583505.1900	ft	0.3000	
10896	Y =	907383.6640	ft	0.3000	TYPE = 3
	Z =	1017.2630	ft	0.2000	
	X =	584509.0350	ft	0.3000	
10897	Y =	922921.5740	ft	0.3000	TYPE = 4
	Z =	0.0000	ft	0.2000	
	X =	584357.8700	ft	0.3000	
10898	Y =	933518.2540	ft	0.3000	TYPE = 0
	Z =	1113.4260	ft	0.2000	
	X =	0.0000	ft	0.3000	
10899	Y =	0.0000	ft	0.3000	TYPE = 3
	Z =	1105.9350	ft	0.2000	
	X =	579325.7630	ft	0.3000	
10941	Y =	907145.7460	ft	0.3000	TYPE = 3
	Z =	1019.3300	ft	0.2000	

O B J E C T C O N T R O L D A T A

		Position	Std. Dev.	
	X =	579308.2680 ft	0.3000	
10942	Y =	907146.0090 ft	0.3000	TYPE = 3
	Z =	1019.3300 ft	0.2000	
	X =	577688.6890 ft	0.3000	
10943	Y =	907170.4050 ft	0.3000	TYPE = 3
	Z =	1019.3500 ft	0.2000	
	X =	577674.7920 ft	0.3000	
10944	Y =	907170.6150 ft	0.3000	TYPE = 3
	Z =	1019.2600 ft	0.2000	

E R R O R W A R N I N G S

POINTS NOT PHOTOGRAPHED

10805 10848

PASS POINTS APPEARING ON 1 PHOTO

20871 30871

C A M E R A S T A T I O N S C O R R E C T I O N S

	------- P O S I T I O N -------			--------- A T T I T U D E ------		
	X	Y	Z	Omega	Phi	Kappa
			Iteration 1			
1001	-0.0324	-0.0236	0.0508 ft	-0.000002	-0.000015	0.000014
1002	-0.0181	0.0316	0.0188 ft	0.000002	-0.000018	0.000009
1003	-0.0440	-0.0296	-0.0026 ft	0.000006	0.000002	0.000002
1004	-0.0291	-0.0575	0.0061 ft	0.000002	0.000010	0.000000
1005	-0.0147	-0.0260	0.0182 ft	0.000000	0.000003	-0.000001
1006	-0.0055	0.0065	0.0224 ft	0.000000	-0.000003	0.000001
1007	0.0021	0.0190	0.0130 ft	0.000000	-0.000004	0.000003
1008	-0.0088	0.0162	0.0018 ft	0.000003	-0.000003	0.000002
1009	-0.0004	0.0008	-0.0001 ft	0.000001	-0.000001	0.000000
1010	-0.0004	-0.0061	0.0002 ft	0.000000	0.000001	-0.000001
1011	0.0005	-0.0139	0.0038 ft	-0.000001	0.000003	-0.000001
1012	0.0138	-0.0114	0.0088 ft	-0.000004	0.000002	0.000000
1013	0.0130	0.0049	0.0113 ft	-0.000003	-0.000001	0.000002
1014	0.0127	0.0183	0.0067 ft	-0.000001	-0.000003	0.000003
1015	0.0136	0.0173	0.0013 ft	0.000000	-0.000003	0.000002
1016	0.0126	0.0126	-0.0027 ft	0.000001	-0.000002	0.000001
1017	0.0083	0.0051	-0.0042 ft	0.000002	-0.000001	0.000001
1018	0.0084	0.0002	-0.0057 ft	0.000001	0.000000	0.000000
1019	0.0027	-0.0037	-0.0039 ft	0.000002	0.000000	-0.000001
1020	-0.0001	-0.0035	-0.0039 ft	0.000003	0.000000	-0.000002
1021	-0.0021	-0.0052	-0.0036 ft	0.000002	0.000000	-0.000003
2001	0.2771	0.0507	0.0331 ft	-0.000030	-0.000033	-0.000050
2002	0.1859	-0.0677	-0.0332 ft	-0.000032	0.000004	-0.000034
2003	0.0710	-0.0484	-0.0180 ft	-0.000017	0.000002	-0.000010
2004	0.0435	-0.0566	-0.0106 ft	-0.000014	0.000005	-0.000001
2005	0.0296	-0.0490	0.0004 ft	-0.000011	0.000005	0.000001
2006	0.0216	-0.0268	0.0064 ft	-0.000008	0.000002	0.000001
2007	0.0113	-0.0092	0.0062 ft	-0.000004	-0.000001	0.000002
2008	0.0049	0.0039	0.0054 ft	-0.000001	-0.000002	0.000002
2009	0.0089	0.0001	-0.0005 ft	-0.000002	-0.000001	0.000000
2010	0.0055	-0.0067	-0.0008 ft	-0.000001	0.000001	0.000001
2011	0.0041	-0.0110	0.0016 ft	-0.000001	0.000002	0.000001
2012	0.0079	-0.0110	0.0048 ft	-0.000001	0.000002	0.000001
2013	0.0089	0.0013	0.0080 ft	0.000000	-0.000001	0.000001
2014	0.0129	0.0115	0.0044 ft	0.000000	-0.000002	0.000000
2015	0.0149	0.0124	-0.0019 ft	0.000000	-0.000002	0.000000
2016	0.0191	0.0001	-0.0065 ft	-0.000002	0.000000	0.000000
2017	0.0204	-0.0090	-0.0061 ft	-0.000003	0.000001	0.000001
2018	0.0304	-0.0248	-0.0017 ft	-0.000005	0.000003	0.000002
2019	0.0260	-0.0396	0.0091 ft	-0.000004	0.000007	0.000003
2020	0.0378	-0.0407	0.0226 ft	-0.000005	0.000007	0.000004
3001	0.1544	0.4837	-0.1835 ft	-0.000058	-0.000093	-0.000027
3002	-0.1816	-0.4447	-0.1730 ft	0.000012	0.000100	-0.000005
3003	1.0649	0.2772	0.4048 ft	-0.000176	-0.000138	-0.000140
3004	0.6334	0.1683	0.1812 ft	-0.000131	-0.000081	-0.000058
3005	0.3426	0.0575	0.0663 ft	-0.000082	-0.000033	-0.000014

C A M E R A S T A T I O N S C O R R E C T I O N S

	------- P O S I T I O N -------				--------- A T T I T U D E ------		
	X	Y	Z		Omega	Phi	Kappa
3006	0.1978	0.0155	0.0079	ft	-0.000053	-0.000008	0.000004
3007	0.1180	-0.0179	-0.0068	ft	-0.000033	0.000005	0.000008
3008	0.0565	-0.0048	-0.0026	ft	-0.000017	0.000001	0.000005
3009	0.0579	-0.0027	0.0020	ft	-0.000015	0.000000	0.000004
3010	0.0240	-0.0036	0.0025	ft	-0.000006	0.000001	0.000003
3011	0.0152	0.0019	0.0012	ft	-0.000003	-0.000001	0.000001
3012	0.0116	-0.0034	0.0019	ft	-0.000002	0.000000	0.000000
3013	-0.0027	-0.0257	0.0078	ft	0.000001	0.000005	0.000000
3014	-0.0089	-0.0389	0.0169	ft	0.000002	0.000007	-0.000001
3015	-0.0236	-0.0221	0.0242	ft	0.000004	0.000001	-0.000003
3016	-0.0466	0.0140	0.0153	ft	0.000007	-0.000010	-0.000006
3017	-0.0718	0.0586	-0.0177	ft	0.000009	-0.000022	-0.000013
3018	-0.0833	0.0384	-0.0712	ft	0.000004	-0.000022	-0.000014
3019	-0.0614	0.0444	-0.1091	ft	-0.000005	-0.000028	-0.000006
3020	-0.0979	-0.1036	-0.1481	ft	0.000000	-0.000003	-0.000002
3021	0.0083	-0.2476	-0.1257	ft	-0.000025	0.000020	0.000010
3022	-0.0860	-0.2821	-0.1030	ft	0.000001	0.000017	0.000017
3023	-0.1600	-0.3616	-0.0749	ft	0.000020	0.000023	0.000008
3024	-0.1024	-0.4462	0.0157	ft	0.000005	0.000040	-0.000001
3025	-0.1520	-0.3474	0.0834	ft	0.000016	0.000026	0.000002
3026	-0.0642	-0.1625	0.1195	ft	-0.000002	0.000000	0.000005
3027	-0.0510	-0.0493	0.1047	ft	-0.000001	-0.000010	0.000014
3028	-0.0240	0.0109	0.0747	ft	0.000001	-0.000012	0.000021
4001	0.3316	-0.6639	-0.1265	ft	-0.000081	0.000200	0.000038
4002	0.0488	0.0906	0.0230	ft	0.000000	-0.000002	0.000024
4003	0.1591	0.1336	0.0525	ft	-0.000020	-0.000039	-0.000005
4004	0.0328	0.0797	-0.0138	ft	0.000005	-0.000032	-0.000007
4005	-0.0272	0.0071	-0.0465	ft	0.000014	-0.000013	-0.000005
4006	-0.0445	-0.0570	-0.0501	ft	0.000015	0.000008	-0.000004
4007	-0.0506	-0.0818	-0.0321	ft	0.000014	0.000017	-0.000003
4008	-0.0212	-0.0368	-0.0147	ft	0.000007	0.000006	-0.000001
4009	-0.0190	-0.0121	-0.0019	ft	0.000006	0.000002	-0.000001
4010	-0.0084	-0.0088	-0.0002	ft	0.000003	0.000001	-0.000001
4011	-0.0041	-0.0037	0.0002	ft	0.000002	0.000000	-0.000001
4012	-0.0034	-0.0004	0.0010	ft	0.000001	0.000000	-0.000001
4013	-0.0040	-0.0098	0.0017	ft	0.000001	0.000002	-0.000002
4014	-0.0002	-0.0309	0.0108	ft	-0.000001	0.000007	-0.000002
4015	-0.0034	-0.0490	0.0288	ft	-0.000001	0.000012	-0.000004
4016	-0.0170	-0.0396	0.0520	ft	-0.000001	0.000010	-0.000007
4017	-0.0342	0.0448	0.0506	ft	-0.000002	-0.000008	-0.000014
4018	-0.1093	0.1797	0.0232	ft	0.000006	-0.000035	-0.000028
4019	-0.1249	0.2214	-0.0807	ft	-0.000008	-0.000043	-0.000042
4020	-0.1159	0.0688	-0.1746	ft	-0.000028	-0.000021	-0.000032
4021	-0.0805	-0.0566	-0.2281	ft	-0.000045	-0.000021	-0.000010
4022	-0.0964	-0.3437	-0.2403	ft	-0.000040	0.000011	0.000030
4023	-0.0900	-0.6801	-0.1210	ft	-0.000024	0.000062	0.000055
4024	-0.2169	-0.6057	0.0338	ft	0.000029	0.000044	0.000052

C A M E R A S T A T I O N S C O R R E C T I O N S

	POSITION				ATTITUDE		
	X	Y	Z		Omega	Phi	Kappa
4025	-0.0926	-0.4405	0.1285	ft	0.000019	0.000031	0.000025
4026	-0.1658	-0.2784	0.1743	ft	0.000042	0.000017	0.000006
4027	-0.1030	0.0327	0.1533	ft	0.000030	-0.000032	0.000000
4028	-0.0162	0.2268	0.0110	ft	0.000008	-0.000070	-0.000010
5001	0.1796	-0.4156	-0.1098	ft	-0.000045	0.000120	0.000018
5002	0.0540	-0.0465	0.0305	ft	-0.000008	0.000019	0.000012
5003	0.0780	0.1299	0.0285	ft	-0.000009	-0.000037	0.000003
5004	0.0407	0.0629	-0.0040	ft	0.000000	-0.000027	0.000001
5005	0.0088	-0.0050	-0.0298	ft	0.000006	-0.000009	-0.000001
5006	-0.0063	-0.0536	-0.0302	ft	0.000007	0.000009	-0.000006
5007	0.0005	-0.0702	-0.0196	ft	0.000004	0.000014	-0.000004
5008	-0.0064	-0.0266	0.0003	ft	0.000004	0.000004	-0.000001
5009	-0.0008	0.0035	0.0065	ft	0.000002	-0.000002	-0.000002
5010	0.0004	-0.0029	0.0041	ft	0.000001	0.000000	-0.000001
5011	-0.0005	-0.0003	0.0035	ft	0.000001	0.000000	-0.000001
5012	0.0003	0.0018	0.0027	ft	0.000001	-0.000001	-0.000001
5013	0.0031	-0.0048	0.0031	ft	-0.000001	0.000001	-0.000001
5014	0.0027	-0.0187	0.0096	ft	-0.000001	0.000005	-0.000002
5015	0.0038	-0.0225	0.0217	ft	-0.000002	0.000007	-0.000003

Provisional Weighted Sum of Squares = 832.252

T R I A N G U L A T E D I M A G E P O I N T S R E S I D U A L S
(in thousandths of millimeters)

10105	1002	1001	1003			
	0					
	10					
10818*0*	1002	1001	3026	3027		
	3					
	-10					
10108	1003	1004	1002			
	0	0				
	11	-8				
10801*0*	1003	1002				
	12					
	0					
10205	1003	2002	2003	2004	1004	
	-8					
	4					
10802*3*	1003	1005	1004			
	-1					
	8					
10110	1004	1005	1006			
	-1					
	8					
10211	1005	2004	2005	2006	1006	1004
	3					
	8					
10214	2005	1006	2006	2007	1007	1005
	-3	5				
	8	9				
10218	1007	2007	2006	1006	2008	1008
	2	8				
	10	-1				
10821*4*	1007	1008	1006			
	0					
	9					
10117	1008	1009	1007			
	1					
	8					
10223	1008	1009	1010	2008	2009	2010
	-1	-1				
	-8	9				

T R I A N G U L A T E D I M A G E P O I N T S R E S I D U A L S
(in thousandths of millimeters)

10225	1010	1011	2009	2010	2011	1009
	-3					
	9					
10123	1012	1011	1010			
	0	0				
	-8	8				
10227	1012	1010	2010	1011	2011	2012
	9	1	-6			
	0	-10	8			
10125	1012	1013	1011			
	4					
	8					
10126	1012	1011	1013			
	2					
	8					
10230	2012	1012	1013	2011	1014	2013
	9					
	-5					
10834	1012	1014	1013	2012	2013	2014
	-4					
	-11					
10236	2014	1015	1014	2013	1016	2015
	7					
	-9					
10239	1016	2014	1015	1017	2015	2016
	9	-6				
	7	11				
10142	1018	1019	1017			
	3					
	12					
10245	1017	2016	1019	1018	2017	2018
	1	-2				
	-8	8				
10145	1019	1020	1018			
	2					
	9					
10817*0*	1018	1019	2017	1020	2018	2019
	-1	-3				
	-8	11				

T R I A N G U L A T E D I M A G E P O I N T S R E S I D U A L S
(in thousandths of millimeters)

10147	1020	1019	1021		
	0	0			
	12	-12			
10816*0*	2019	1020	1021	2020	
	8				
	6				
10849*0*	2002	2003	2001	4027	4028
	-3				
	8				
10207	2003	2004	2002		
	-2				
	9				
10210	2004	2005	2003		
	-3				
	9				
10213	2006	2005	2004		
	0	0			
	-8	11			
10216	2007	2006	2005		
	-2	4			
	-8	15			
10219	2007	2006	2008		
	0				
	12				
10222	2008	2007	2009		
	3				
	13				
10224	2009	2008	2010		
	0	0			
	12	-8			
10229	2011	2010	2012		
	2				
	13				
10231	2012	2013	2011		
	3				
	8				
10232	2012	2013	2011		
	2	-1			
	16	-9			

T R I A N G U L A T E D I M A G E P O I N T S R E S I D U A L S
(in thousandths of millimeters)

10235	2012	2013	2014			
	0	0				
	-8	12				
10238	2014	2015	2013			
	4					
	9					
10241	2016	2014	2015			
	-2	-2	5			
	-8	-11	19			
10243	2015	2016	2017			
	-1					
	-8					
10244	2015	2016	2017			
	0	0				
	-8	12				
10247	2017	2016	2018			
	2					
	8					
10249	2018	2017	2019			
	3					
	14					
10401	4002	4001	3003	4003	3002	3001
	8					
	3					
10402	3003	3002	4002	4003	4004	3004
	4					
	12					
10874*4*	4004	3004	4003	3003	4005	3005
	8					
	-1					
10403	3005	4004	4005	4006	3006	3004
	0					
	14					
10404	3006	3005	4006	4007	3007	4005
	2	-2				
	17	-9				
10405	3007	3006	3008	4006	4007	4008
	2					
	15					

T R I A N G U L A T E D I M A G E P O I N T S R E S I D U A L S
(in thousandths of millimeters)

10406	3008	3007	4007	3009	4008	4009
	0	-4	0			
	10	-10	10			
10408	4010	3010	4008	4009	3008	3009
	-3					
	-8					
10410	3009	3010	3011	4009	4010	4011
	-2	5				
	-8	12				
10411	3012	3011	3010	4010	4011	4012
	-1	0				
	-11	15				
10867*3*	3010	3011	4010	4011	4012	
	-11					
	-3					
10412	3012	3011	3013	4011	4012	4013
	1					
	13					
10910	3012	3013	3011			
	-3	1				
	8	-8				
10414	3013	3014	3012	4012	4013	4014
	0					
	8					
10327	3014	3013	3015			
	1					
	13					
10330	3015	3014	3016			
	2	0				
	14	-8				
10333	3016	3015	3017			
	0					
	14					
10863*0*	3018	3016	3017			
	3					
	-13					
10861*3*	3018	3017	4018	4019	4020	3019
	-2					
	10					

T R I A N G U L A T E D I M A G E P O I N T S R E S I D U A L S
(in thousandths of millimeters)

10342	3019	3020	3018			
	-2					
	11					
10345	3020	3021	3019			
	-1					
	12					
10859*0*	3019	3020				
	11					
	2					
10431	4022	3020	4020	4021	3021	
	-9					
	-1					
10858*3*	3021	4021	4022	4023	3020	3022
	-1					
	13					
10855*0*	3021	3022	3023	4022	4023	4024
	1	-5				
	-13	12				
10352	3023	3022	3024			
	1					
	14					
10854*3*	3024	3025	3026	4025	4026	
	-3	2				
	-8	14				
10446	3025	3026	3027	4025	4026	4027
	0	-2				
	-9	13				
10449	3027	3028	4026	4027	4028	3026
	5					
	11					
10504	5002	4001	4002	5001	4003	5003
	8					
	0					
10505	4002	4003	4001	5001	5002	5003
	1					
	10					
10508	4003	4004	4002	5003	5004	
	6					
	11					

T R I A N G U L A T E D I M A G E P O I N T S R E S I D U A L S
(in thousandths of millimeters)

10509	4003	4004	4002	5002	5003	5004
	11					
	13					
10705*0*	4004	4003	4005	5004	5003	5005
	1	-7	0	0		
	8	-10	-9	10		
10893*0*	4003	4004	4005	5003	5004	5005
	0	3				
	-9	10				
10513	4006	4005	4004	5004	5005	5006
	-4	0	-5			
	-9	20	-9			
10516	4006	4005	4007	5006	5005	5007
	-1	-4	0	3		
	14	-8	-11	9		
10518	5006	4006	4008	4007	5007	5008
	1					
	8					
10519	4007	4008	4006	5006	5007	5008
	0	0				
	13	-8				
10891*0*	5008	4007	5006	5007	4006	
	-9					
	0					
10521	4009	5008	4008	5007	4007	5009
	-1	3				
	-11	9				
10890*3*	4008	4007	4009	5007	5008	5009
	3					
	10					
10524	4009	5008	4010	4008	5009	5010
	-1	4				
	8	-9				
10526	4010	4011	4009	5009	5010	5011
	1					
	10					
10527	4010	4009	5010	5009	4011	5011
	4	-1	-2			
	9	-11	9			

T R I A N G U L A T E D I M A G E P O I N T S R E S I D U A L S
(in thousandths of millimeters)

10529	4010	5011	4012	5010	4011	5012
	-8	9				
	-3	-5				
10530	4011	4010	4012	5010	5011	5012
	12					
	12					
10534	4014	4013	4012	5012	5013	5014
	-1	4				
	-9	10				
10537	4014	4013	5014	5015	4015	5013
	4	-1	-1	-1		
	16	-9	9	-8		
10540	4015	4014	4016	5014	5015	
	-1	0				
	10	-10				
10419	4016	4015	4017			
	3					
	12					
10421	4017	4018	4016			
	1					
	8					
10422	4016	4017	4018			
	-1	3				
	-8	16				
10425	4017	4018	4019			
	2	-3				
	-11	11				
10428	4019	4020	4018			
	4					
	8					
10433	4021	4022	4020			
	-1					
	14					
10435	4022	4023	4021			
	0					
	8					
10436	4022	4023	4021			
	0					
	12					

T R I A N G U L A T E D I M A G E P O I N T S R E S I D U A L S
(in thousandths of millimeters)

10439	4022	4023	4024
	0	0	
	-14	12	
10881*0*	4023	4022	4024
	-1		
	8		
10442	4024	4023	4025
	1		
	13		
10445	4024	4025	4026
	-1	2	
	-10	14	
10447	4026	4025	4027
	4		
	8		
10448	4025	4026	4027
	1	-2	
	-12	17	
10450	4027	4026	4028
	1		
	8		
10451	4027	4026	4028
	2	-1	
	12	-9	
10510	5003	5004	5002
	3		
	8		
10704*0*	5004	5003	5005
	-3		
	12		
10514	5006	5005	5004
	-2	4	
	-12	15	
10517	5006	5005	5007
	-2	0	
	17	-10	
10520	5006	5007	5008
	0	0	
	-8	8	

T R I A N G U L A T E D I M A G E P O I N T S R E S I D U A L S
(in thousandths of millimeters)

10703*0*	5006	5007	5008
	-11	1	
	4	8	
10522	5008	5009	5007
	0		
	8		
10702*3*	5008	5007	5009
	0		
	9		
10525	5009	5010	5008
	3		
	12		
10528	5010	5009	5011
	-1	0	
	14	-8	
10531	5011	5012	5010
	0		
	8		
10535	5013	5012	5014
	1		
	8		
10538	5013	5014	5015
	1	-1	
	-8	9	

Weighted Sum of Squares (Camera) = 0.0
Weighted Sum of Squares (Object) = 39.3
Weighted Sum of Squares (Plates) = 481.5

Weighted Sum of Squares (Total) = 520.8
Degrees of Freedom..... = 1055

a posteriori Variance of Unit Weight = 0.494

T R I A N G U L A T E D C A M E R A S T A T I O N S
(Photo to Object)

Ident	Position	Attitude
1001	X = 575725.4806 ft Y = 958299.3884 ft Z = 5013.2458 ft	Omega =- 00 08 10.9853 Phi = 00 35 53.4930 Kappa =- 75 01 27.6477
1002	X = 576200.2829 ft Y = 960052.1516 ft Z = 5013.0258 ft	Omega =- 00 36 42.1962 Phi =- 00 29 08.1215 Kappa =- 76 09 07.4313
1003	X = 576712.0580 ft Y = 961991.2474 ft Z = 4998.2544 ft	Omega = 00 01 31.7165 Phi = 00 22 28.8098 Kappa =- 76 21 24.2903
1004	X = 577260.6759 ft Y = 963943.4845 ft Z = 5004.3241 ft	Omega = 00 29 25.4027 Phi = 00 38 00.1705 Kappa =- 75 06 04.9317
1005	X = 577822.2533 ft Y = 965858.2670 ft Z = 5032.0272 ft	Omega =- 00 26 33.8427 Phi = 01 17 17.2976 Kappa =- 74 21 35.5790
1006	X = 578418.8835 ft Y = 967806.0395 ft Z = 5091.4224 ft	Omega = 00 20 23.3598 Phi = 01 34 08.6799 Kappa =- 74 06 41.0533
1007	X = 579054.2441 ft Y = 969875.2450 ft Z = 5110.5650 ft	Omega =- 00 10 23.6413 Phi =- 01 09 36.8403 Kappa =- 73 28 55.7489

T R I A N G U L A T E D C A M E R A S T A T I O N S
(Photo to Object)

Ident	Position	Attitude
1008	X = 579554.0672 ft Y = 971710.3962 ft Z = 5099.3768 ft	Omega =- 00 33 42.0426 Phi = 00 41 44.1441 Kappa =- 75 34 02.6271
1009	X = 580066.5976 ft Y = 973632.1248 ft Z = 5097.7649 ft	Omega = 00 08 22.0381 Phi =- 00 39 30.2936 Kappa =- 75 44 53.1356
1010	X = 580551.0756 ft Y = 975561.6309 ft Z = 5087.8192 ft	Omega =- 00 36 38.6370 Phi =- 00 22 21.1369 Kappa =- 77 36 09.2069
1011	X = 580985.9555 ft Y = 977328.4351 ft Z = 5079.6448 ft	Omega = 00 19 46.9895 Phi =- 00 00 31.9470 Kappa =- 76 51 54.3525
1012	X = 581385.2318 ft Y = 979045.8046 ft Z = 5077.1348 ft	Omega = 00 37 17.7148 Phi =- 00 37 58.2714 Kappa =- 77 09 29.8040
1013	X = 581767.2900 ft Y = 980819.5279 ft Z = 5082.6633 ft	Omega =- 00 58 27.4076 Phi = 00 02 56.9368 Kappa =- 79 22 01.2215
1014	X = 582185.0487 ft Y = 982601.1083 ft Z = 5079.1287 ft	Omega =- 01 05 04.1412 Phi = 00 03 23.7552 Kappa =- 76 26 08.8694

T R I A N G U L A T E D C A M E R A S T A T I O N S
(Photo to Object)

Ident	Position	Attitude
1015	X = 582702.0076 ft Y = 984391.8543 ft Z = 5099.8053 ft	Omega =- 00 31 06.7801 Phi = 00 05 44.5512 Kappa =- 74 33 35.1670
1016	X = 583278.0016 ft Y = 986151.7756 ft Z = 5080.9733 ft	Omega = 00 53 19.2714 Phi =- 01 41 45.9004 Kappa =- 72 42 53.3470
1017	X = 583863.2163 ft Y = 987913.4831 ft Z = 5038.2728 ft	Omega = 00 20 53.0582 Phi =- 00 45 04.4467 Kappa =- 72 22 36.4798
1018	X = 584412.8474 ft Y = 989705.1282 ft Z = 5021.4253 ft	Omega =- 00 20 18.0185 Phi =- 00 26 38.3039 Kappa =- 73 26 18.6774
1019	X = 584981.6417 ft Y = 991510.4603 ft Z = 5012.6111 ft	Omega = 00 23 29.0393 Phi =- 00 11 00.6265 Kappa =- 73 34 26.4208
1020	X = 585515.7989 ft Y = 993242.3725 ft Z = 4999.1851 ft	Omega = 00 33 06.4332 Phi =- 00 20 46.3309 Kappa =- 73 28 53.6448
1021	X = 586080.3589 ft Y = 995166.2918 ft Z = 4997.8344 ft	Omega =- 02 03 37.4691 Phi = 00 08 30.6242 Kappa =- 73 11 11.7134

T R I A N G U L A T E D C A M E R A S T A T I O N S
(Photo to Object)

Ident	Position	Attitude
2001	X = 579299.2951 ft Y = 958304.4847 ft Z = 5017.7441 ft	Omega = 01 28 57.8708 Phi =- 00 05 26.9893 Kappa =- 75 17 10.1527
2002	X = 579791.9059 ft Y = 959955.2583 ft Z = 5023.3318 ft	Omega = 00 42 10.9299 Phi = 00 29 05.3433 Kappa =- 74 55 36.4756
2003	X = 580312.0080 ft Y = 961695.7856 ft Z = 5037.1220 ft	Omega = 00 39 14.1790 Phi = 00 30 42.4555 Kappa =- 74 46 43.2353
2004	X = 580845.9185 ft Y = 963524.4784 ft Z = 5038.8814 ft	Omega = 00 50 46.9474 Phi =- 00 08 24.3142 Kappa =- 74 55 11.9227
2005	X = 581313.4626 ft Y = 965282.7700 ft Z = 5047.2654 ft	Omega = 00 58 44.1389 Phi = 00 35 33.6404 Kappa =- 75 49 28.6408
2006	X = 581800.3786 ft Y = 967226.2602 ft Z = 5039.1804 ft	Omega = 01 31 16.4976 Phi =- 00 12 31.2445 Kappa =- 77 12 55.5926
2007	X = 582307.5213 ft Y = 969225.6368 ft Z = 5034.9752 ft	Omega = 00 40 40.6845 Phi =- 00 58 27.6806 Kappa =- 76 35 16.7846

T R I A N G U L A T E D C A M E R A S T A T I O N S
(Photo to Object)

Ident	Position	Attitude
2008	X = 582781.8679 ft Y = 971240.3159 ft Z = 5012.9864 ft	Omega = 00 06 25.6710 Phi = 00 03 48.8650 Kappa =- 77 37 58.3464
2009	X = 583327.4589 ft Y = 973416.3991 ft Z = 5015.6105 ft	Omega = 00 30 03.6283 Phi = 00 33 38.4369 Kappa =- 77 14 12.1037
2010	X = 583778.3775 ft Y = 975253.8123 ft Z = 5015.4122 ft	Omega = 00 40 02.8964 Phi = 00 19 24.7325 Kappa =- 77 24 28.3113
2011	X = 584257.5481 ft Y = 977213.7380 ft Z = 5027.2496 ft	Omega =- 00 13 44.5912 Phi = 00 41 13.9469 Kappa =- 76 58 28.8987
2012	X = 584800.9429 ft Y = 979203.2190 ft Z = 5043.9908 ft	Omega = 00 13 29.4449 Phi = 00 12 29.2733 Kappa =- 75 34 02.5915
2013	X = 585359.3879 ft Y = 981213.7153 ft Z = 5049.8890 ft	Omega =- 00 00 41.5545 Phi = 00 15 42.7779 Kappa =- 75 48 00.7209
2014	X = 585920.7859 ft Y = 983189.6055 ft Z = 5040.3754 ft	Omega = 01 38 43.2491 Phi =- 00 03 12.1616 Kappa =- 75 29 23.3156

T R I A N G U L A T E D C A M E R A S T A T I O N S
(Photo to Object)

Ident	Position	Attitude
2015	X = 586469.6689 ft Y = 985172.5944 ft Z = 5054.0691 ft	Omega =- 00 11 29.3158 Phi = 00 53 19.9835 Kappa =- 76 00 44.2441
2016	X = 587055.7321 ft Y = 987222.0541 ft Z = 5088.5565 ft	Omega = 00 02 43.8067 Phi = 01 29 47.7635 Kappa =- 74 57 21.4416
2017	X = 587627.5834 ft Y = 989203.2790 ft Z = 5123.5199 ft	Omega =- 01 04 09.5089 Phi = 00 46 03.6589 Kappa =- 75 27 48.2266
2018	X = 588273.9324 ft Y = 991121.5642 ft Z = 5128.4703 ft	Omega = 01 36 17.2686 Phi =- 00 49 30.4032 Kappa =- 71 13 06.6024
2019	X = 588945.7540 ft Y = 993006.4204 ft Z = 5098.0831 ft	Omega = 01 40 09.1197 Phi =- 01 05 07.6815 Kappa =- 71 45 09.6756
2020	X = 589475.8218 ft Y = 994774.4743 ft Z = 5068.6426 ft	Omega = 00 27 06.6576 Phi =- 00 36 55.9944 Kappa =- 73 51 22.0254
3001	X = 577122.7834 ft Y = 906596.3657 ft Z = 4915.0905 ft	Omega = 01 18 45.3390 Phi =- 00 40 07.8293 Kappa =- 89 01 54.9223

T R I A N G U L A T E D C A M E R A S T A T I O N S
(Photo to Object)

Ident	Position	Attitude
3002	X = 577127.6034 ft Y = 908760.0963 ft Z = 4891.6140 ft	Omega = 01 12 13.5676 Phi =- 00 30 02.7180 Kappa =- 89 16 14.9499
3003	X = 577163.9849 ft Y = 910662.6642 ft Z = 4896.5588 ft	Omega = 00 27 56.7846 Phi = 00 14 00.3951 Kappa =- 87 41 06.8958
3004	X = 577183.4574 ft Y = 912559.0583 ft Z = 4897.0372 ft	Omega =- 00 32 54.2267 Phi =- 00 06 00.4299 Kappa =- 88 53 36.8440
3005	X = 577188.1346 ft Y = 914517.7445 ft Z = 4890.1253 ft	Omega = 00 36 09.5154 Phi =- 00 13 14.3675 Kappa =- 88 04 40.0912
3006	X = 577180.0488 ft Y = 916584.7255 ft Z = 4889.5389 ft	Omega = 00 13 33.5627 Phi =- 00 00 40.2119 Kappa =- 89 38 37.7909
3007	X = 577149.4100 ft Y = 918620.7791 ft Z = 4894.7142 ft	Omega =- 00 37 50.2793 Phi = 00 27 01.2489 Kappa =- 90 56 56.6748
3008	X = 577137.7295 ft Y = 920586.7612 ft Z = 4905.0724 ft	Omega =- 00 21 59.2621 Phi = 00 14 29.2856 Kappa =- 89 37 37.6660

T R I A N G U L A T E D C A M E R A S T A T I O N S
(Photo to Object)

Ident	Position	Attitude
3009	X = 577157.5469 ft Y = 922725.9723 ft Z = 4912.0340 ft	Omega =- 00 15 05.0581 Phi = 00 09 01.0376 Kappa =- 88 51 47.3875
3010	X = 577178.8910 ft Y = 924713.1214 ft Z = 4915.5025 ft	Omega = 00 29 32.1899 Phi = 00 12 20.1478 Kappa =- 89 00 10.0041
3011	X = 577189.7192 ft Y = 926867.2829 ft Z = 4915.6582 ft	Omega =- 00 28 29.4718 Phi =- 00 43 01.7454 Kappa =- 89 44 42.1775
3012	X = 577150.6096 ft Y = 928838.9856 ft Z = 4896.7009 ft	Omega =- 00 23 01.0906 Phi =- 00 26 17.2498 Kappa =- 87 27 29.0065
3013	X = 577108.0063 ft Y = 930871.2303 ft Z = 4884.1688 ft	Omega =- 00 08 16.7791 Phi =- 00 22 30.8070 Kappa =- 87 53 16.5663
3014	X = 577062.9831 ft Y = 933008.6301 ft Z = 4869.3259 ft	Omega = 00 31 41.8226 Phi =- 00 26 51.9382 Kappa =- 88 13 10.3939
3015	X = 576995.1394 ft Y = 935128.9849 ft Z = 4840.9822 ft	Omega = 00 31 05.5615 Phi =- 00 37 07.9439 Kappa =- 89 21 38.5057

T R I A N G U L A T E D C A M E R A S T A T I O N S
(Photo to Object)

Ident	Position	Attitude
3016	X = 576908.9364 ft Y = 937310.9710 ft Z = 4831.0213 ft	Omega =- 00 38 10.2322 Phi = 00 09 43.0758 Kappa =- 89 36 22.1220
3017	X = 576878.7532 ft Y = 939328.3776 ft Z = 4841.9603 ft	Omega = 00 40 44.0561 Phi = 00 09 58.6206 Kappa =- 88 53 45.3786
3018	X = 576919.3847 ft Y = 941458.4814 ft Z = 4844.3628 ft	Omega = 01 16 55.8488 Phi =- 00 04 05.8341 Kappa =- 89 45 51.1923
3019	X = 576975.3926 ft Y = 943273.4694 ft Z = 4839.2059 ft	Omega = 00 33 55.3290 Phi =- 00 28 48.0408 Kappa =- 89 31 00.5277
3020	X = 577031.6481 ft Y = 945118.4174 ft Z = 4829.8159 ft	Omega = 00 28 47.5988 Phi =- 00 18 25.7348 Kappa =- 88 59 50.2984
3021	X = 577073.1093 ft Y = 947010.6804 ft Z = 4815.1773 ft	Omega = 00 11 16.8022 Phi =- 00 40 41.8266 Kappa =- 89 07 49.3107
3022	X = 577083.1600 ft Y = 948962.1819 ft Z = 4794.2790 ft	Omega =- 00 03 03.9805 Phi =- 00 20 14.0431 Kappa =- 89 49 24.9507

T R I A N G U L A T E D C A M E R A S T A T I O N S
(Photo to Object)

Ident	Position	Attitude
3023	X = 577090.1660 ft Y = 950792.6034 ft Z = 4790.3681 ft	Omega = 00 00 26.6719 Phi =- 00 01 57.4415 Kappa =- 89 12 46.9909
3024	X = 577121.0426 ft Y = 952626.5218 ft Z = 4789.6597 ft	Omega = 00 31 15.4139 Phi =- 00 00 02.7699 Kappa =- 88 14 52.1297
3025	X = 577154.9350 ft Y = 954492.7656 ft Z = 4781.2054 ft	Omega = 01 10 51.2320 Phi =- 00 38 57.4205 Kappa =- 88 51 07.6746
3026	X = 577169.1858 ft Y = 956485.0605 ft Z = 4766.9485 ft	Omega =- 00 27 35.4303 Phi = 00 03 49.5629 Kappa =- 89 06 14.9627
3027	X = 577199.1620 ft Y = 958340.6997 ft Z = 4758.9347 ft	Omega = 00 06 32.8701 Phi =- 00 30 22.1788 Kappa =- 88 43 14.1113
3028	X = 577229.2870 ft Y = 960302.0759 ft Z = 4731.1577 ft	Omega =- 01 17 05.1306 Phi =- 00 57 20.4470 Kappa =- 88 46 01.6881
4001	X = 581176.7666 ft Y = 906575.1521 ft Z = 4793.2395 ft	Omega = 00 07 24.7280 Phi = 00 25 09.5849 Kappa =- 87 57 42.1992

T R I A N G U L A T E D C A M E R A S T A T I O N S
(Photo to Object)

Ident	Position	Attitude
4002	X = 581182.0628 ft Y = 908612.1426 ft Z = 4794.8760 ft	Omega = 00 23 02.5084 Phi = 00 16 14.3499 Kappa =- 88 25 56.3514
4003	X = 581148.0251 ft Y = 910466.6246 ft Z = 4801.6275 ft	Omega = 00 10 15.5154 Phi = 00 35 43.3818 Kappa =- 89 22 49.0811
4004	X = 581127.0228 ft Y = 912400.5877 ft Z = 4810.9312 ft	Omega =- 00 16 49.7026 Phi = 00 28 42.8803 Kappa =- 89 02 09.2368
4005	X = 581130.4248 ft Y = 914369.0431 ft Z = 4804.7785 ft	Omega = 00 15 24.2875 Phi =- 00 04 05.4721 Kappa =- 87 48 13.7184
4006	X = 581122.9705 ft Y = 916405.1730 ft Z = 4807.1119 ft	Omega =- 00 29 37.1285 Phi = 00 13 47.7891 Kappa =- 88 56 33.5706
4007	X = 581130.7924 ft Y = 918451.2372 ft Z = 4817.0529 ft	Omega =- 00 07 59.8254 Phi = 00 38 53.0847 Kappa =- 87 18 14.7225
4008	X = 581129.0838 ft Y = 920405.7202 ft Z = 4829.1133 ft	Omega = 00 11 53.3819 Phi = 00 34 51.8907 Kappa =- 89 55 22.4205

T R I A N G U L A T E D C A M E R A S T A T I O N S
(Photo to Object)

Ident	Position	Attitude
4009	X = 581141.3860 ft Y = 922480.5289 ft Z = 4851.6411 ft	Omega = 00 49 37.6689 Phi = 00 31 08.7911 Kappa =- 88 56 10.9923
4010	X = 581163.6416 ft Y = 924358.4552 ft Z = 4857.0558 ft	Omega =- 00 46 04.9847 Phi = 00 02 48.0491 Kappa =- 88 57 11.3795
4011	X = 581166.6419 ft Y = 926263.1313 ft Z = 4849.0462 ft	Omega =- 00 26 26.6266 Phi =- 00 13 06.6933 Kappa =- 89 09 45.2825
4012	X = 581119.0306 ft Y = 928239.9386 ft Z = 4836.8290 ft	Omega =- 00 05 28.4473 Phi =- 00 21 44.6438 Kappa =- 89 17 48.2070
4013	X = 581051.4030 ft Y = 930184.6882 ft Z = 4829.8627 ft	Omega =- 00 00 44.0089 Phi =- 00 04 44.9208 Kappa =- 89 30 33.9353
4014	X = 580967.4878 ft Y = 932090.1791 ft Z = 4830.1638 ft	Omega =- 00 26 11.7941 Phi =- 00 10 42.6973 Kappa =- 90 25 41.6488
4015	X = 580923.6756 ft Y = 934058.7680 ft Z = 4832.4618 ft	Omega = 00 37 43.9666 Phi =- 00 03 21.4061 Kappa =- 89 58 56.5251

T R I A N G U L A T E D C A M E R A S T A T I O N S
(Photo to Object)

Ident	Position	Attitude
4016	X = 580942.0970 ft Y = 936002.2034 ft Z = 4838.1020 ft	Omega = 00 03 44.8358 Phi =- 00 01 48.4152 Kappa =- 89 20 33.6114
4017	X = 581020.9018 ft Y = 937975.7368 ft Z = 4837.5906 ft	Omega = 01 02 16.6727 Phi = 00 11 21.5341 Kappa =- 86 54 03.9738
4018	X = 581068.4157 ft Y = 939948.5997 ft Z = 4844.9922 ft	Omega = 01 10 25.4574 Phi = 00 11 43.0332 Kappa =- 88 19 13.0190
4019	X = 581074.6031 ft Y = 941922.1184 ft Z = 4826.9093 ft	Omega = 00 04 10.8088 Phi =- 00 41 24.6336 Kappa =- 88 57 24.4151
4020	X = 581043.4541 ft Y = 943933.6328 ft Z = 4817.6994 ft	Omega =- 00 36 53.5749 Phi = 00 10 04.7744 Kappa =- 90 18 25.1407
4021	X = 581050.4465 ft Y = 945919.9584 ft Z = 4823.1489 ft	Omega = 01 04 40.4982 Phi = 00 11 53.4416 Kappa =- 89 03 52.9596
4022	X = 581070.4216 ft Y = 947750.1983 ft Z = 4817.0437 ft	Omega =- 00 01 36.3982 Phi =- 00 15 42.1246 Kappa =- 88 21 36.8568

T R I A N G U L A T E D C A M E R A S T A T I O N S
(Photo to Object)

Ident	Position	Attitude
4023	X = 581078.7720 ft Y = 949826.2779 ft Z = 4804.7190 ft	Omega = 00 29 22.5040 Phi = 00 03 18.4372 Kappa =- 88 23 25.5760
4024	X = 581040.3931 ft Y = 951784.3853 ft Z = 4807.4198 ft	Omega = 00 08 57.8798 Phi = 00 21 51.4290 Kappa =- 89 45 40.7908
4025	X = 581014.9054 ft Y = 953981.7145 ft Z = 4828.1595 ft	Omega =- 00 39 58.4095 Phi = 00 17 46.2330 Kappa =- 89 38 41.8425
4026	X = 581069.1062 ft Y = 956124.3706 ft Z = 4832.7443 ft	Omega = 00 31 27.9629 Phi =- 00 16 20.1804 Kappa =- 89 53 58.9879
4027	X = 581131.2410 ft Y = 958203.3857 ft Z = 4818.0043 ft	Omega =- 01 24 25.1307 Phi =- 00 31 03.7411 Kappa =- 88 03 12.4096
4028	X = 581151.6318 ft Y = 960184.2458 ft Z = 4798.7000 ft	Omega =- 00 47 11.8859 Phi =- 00 35 41.0828 Kappa =- 89 34 43.1373
5001	X = 582949.9466 ft Y = 906667.1954 ft Z = 4863.7752 ft	Omega = 00 33 26.1455 Phi = 00 07 44.5978 Kappa =- 88 46 32.6425

T R I A N G U L A T E D C A M E R A S T A T I O N S
(Photo to Object)

Ident	Position	Attitude
5002	X = 582972.3560 ft Y = 908727.8485 ft Z = 4859.0215 ft	Omega = 00 22 48.3288 Phi = 00 15 47.8253 Kappa =- 88 53 20.6198
5003	X = 583000.2180 ft Y = 910570.2159 ft Z = 4859.7865 ft	Omega = 01 02 31.2060 Phi = 00 16 31.0602 Kappa =- 88 07 26.2532
5004	X = 583017.4577 ft Y = 912447.3759 ft Z = 4865.8260 ft	Omega = 01 24 22.4131 Phi = 00 39 22.2076 Kappa =- 88 40 16.4893
5005	X = 582995.3918 ft Y = 914385.0700 ft Z = 4878.1682 ft	Omega = 00 56 07.7269 Phi = 00 34 38.3986 Kappa =- 90 51 47.7377
5006	X = 582966.8537 ft Y = 916302.1734 ft Z = 4889.1098 ft	Omega = 01 21 41.0345 Phi = 00 13 35.5045 Kappa =- 89 54 30.3205
5007	X = 582922.9765 ft Y = 918170.4258 ft Z = 4893.4874 ft	Omega = 00 52 02.0604 Phi = 00 13 44.5178 Kappa =- 91 31 55.3725
5008	X = 582883.5096 ft Y = 920070.6554 ft Z = 4889.4603 ft	Omega = 00 34 30.1545 Phi =- 00 15 29.5062 Kappa =- 91 06 38.3535

T R I A N G U L A T E D C A M E R A S T A T I O N S
(Photo to Object)

Ident	Position	Attitude
5009	X = 582868.7892 ft Y = 922103.0125 ft Z = 4889.2185 ft	Omega = 00 33 39.8431 Phi = 00 19 05.7368 Kappa =- 89 42 27.0487
5010	X = 582890.9744 ft Y = 924227.4031 ft Z = 4903.8541 ft	Omega = 01 00 03.5567 Phi = 00 25 29.9793 Kappa =- 89 06 31.5888
5011	X = 582930.0815 ft Y = 926189.1977 ft Z = 4903.3155 ft	Omega = 00 57 01.7698 Phi =- 00 06 41.7800 Kappa =- 89 06 44.2158
5012	X = 582985.5293 ft Y = 928204.9708 ft Z = 4909.2797 ft	Omega = 01 26 00.9738 Phi = 00 05 37.1047 Kappa =- 88 18 21.6797
5013	X = 583028.6051 ft Y = 930204.1292 ft Z = 4904.0331 ft	Omega = 00 52 50.5251 Phi =- 00 13 38.3252 Kappa =- 88 45 21.9274
5014	X = 583019.5897 ft Y = 932239.8233 ft Z = 4878.0336 ft	Omega =- 00 33 35.0148 Phi =- 00 40 20.2929 Kappa =- 90 48 57.5236
5015	X = 582999.9018 ft Y = 934258.4535 ft Z = 4865.5877 ft	Omega = 00 50 49.4324 Phi =- 00 12 28.5085 Kappa =- 91 04 06.0283

T R I A N G U L A T E D O B J E C T P O I N T S

Ident	Position (feet)		
10101	X = 573869.9754	Y = 958838.8325	Z = 1173.5330
10102	X = 575755.9642	Y = 958358.1951	Z = 1167.9390
10103	X = 574344.9991	Y = 960474.7839	Z = 1176.7232
10104	X = 576080.1919	Y = 960018.9969	Z = 1176.2027
10105	X = 577963.9770	Y = 959615.1461	Z = 1149.2467
10106	X = 574749.8427	Y = 962477.9786	Z = 1184.9652
10107	X = 576640.4117	Y = 962031.8749	Z = 1180.9638
10108	X = 578430.8110	Y = 961596.4270	Z = 1159.1376
10109	X = 577307.3207	Y = 963940.8433	Z = 1162.0686
10110	X = 576051.3855	Y = 966440.1707	Z = 1207.2679
10111	X = 577670.7215	Y = 965989.7650	Z = 1167.5814
10112	X = 576621.1259	Y = 968436.2598	Z = 1184.6405
10113	X = 578473.8622	Y = 967876.6462	Z = 1175.5591
10114	X = 577255.9686	Y = 970340.7271	Z = 1238.3181
10115	X = 578913.0486	Y = 969835.0204	Z = 1183.0160
10116	X = 579360.6061	Y = 971842.2345	Z = 1186.4306
10117	X = 581594.4261	Y = 971240.8465	Z = 1194.4423
10118	X = 578036.8720	Y = 974089.8573	Z = 1258.5008
10119	X = 579903.7794	Y = 973584.0816	Z = 1195.9208
10120	X = 580486.7154	Y = 975560.9701	Z = 1206.7569
10121	X = 582333.5264	Y = 975130.1572	Z = 1199.1741
10122	X = 579256.5027	Y = 977706.4893	Z = 1228.9744
10123	X = 582666.9313	Y = 976933.7448	Z = 1208.1922
10124	X = 579390.2634	Y = 979430.6985	Z = 1244.9333
10125	X = 581425.8719	Y = 978976.1993	Z = 1217.7572
10126	X = 583366.4645	Y = 978529.0808	Z = 1214.3141
10127	X = 581672.0433	Y = 980807.2745	Z = 1223.2546
10128	X = 583468.0259	Y = 980472.7016	Z = 1219.3343
10129	X = 580391.0171	Y = 983019.9731	Z = 1258.3738
10130	X = 582140.4582	Y = 982629.5629	Z = 1224.6617
10131	X = 583982.8490	Y = 982136.8648	Z = 1188.3797
10132	X = 580874.3596	Y = 984942.4286	Z = 1265.6293
10133	X = 582602.0818	Y = 984307.2838	Z = 1231.1550
10134	X = 584543.2416	Y = 984000.7331	Z = 1237.6537
10135	X = 581509.8582	Y = 986568.3248	Z = 1257.6999
10136	X = 583106.7117	Y = 986086.7128	Z = 1236.8508
10137	X = 582093.4018	Y = 988381.9072	Z = 1281.8026
10138	X = 583754.8184	Y = 987901.2094	Z = 1242.4350
10139	X = 585534.7063	Y = 987223.7970	Z = 1244.7333
10140	X = 582447.5080	Y = 990225.2704	Z = 1282.7399
10141	X = 584358.8601	Y = 989674.3826	Z = 1253.9523
10142	X = 586056.2000	Y = 989160.5799	Z = 1251.9273
10143	X = 583163.6606	Y = 992007.5247	Z = 1297.9743
10144	X = 584975.4022	Y = 991466.5196	Z = 1260.0432
10145	X = 586705.8327	Y = 990892.3557	Z = 1254.6378
10146	X = 585480.2304	Y = 993246.3335	Z = 1294.7247
10147	X = 587281.5128	Y = 992630.5019	Z = 1262.5085
10148	X = 584223.7612	Y = 995792.2053	Z = 1350.9348
10149	X = 585947.6780	Y = 995231.4728	Z = 1276.7867
10150	X = 587734.9742	Y = 994708.3626	Z = 1271.3980
10201	X = 577685.5916	Y = 958242.8339	Z = 1143.9360
10202	X = 579378.4058	Y = 958279.8185	Z = 1120.7004

T R I A N G U L A T E D O B J E C T P O I N T S

Ident	Position (feet)		
10203	X = 577971.9452	Y = 960685.3736	Z = 1157.0104
10204	X = 581779.3144	Y = 959448.7800	Z = 1160.3321
10205	X = 578359.6825	Y = 962335.8222	Z = 1159.0245
10206	X = 580389.0757	Y = 961750.7163	Z = 1146.0870
10207	X = 582348.2773	Y = 961178.9961	Z = 1172.7941
10208	X = 578937.9590	Y = 964023.0646	Z = 1166.2264
10209	X = 580938.7542	Y = 963407.1131	Z = 1171.2340
10210	X = 582818.4438	Y = 962986.4672	Z = 1186.8597
10211	X = 579159.8234	Y = 965786.7177	Z = 1171.2802
10212	X = 581216.1043	Y = 965331.3576	Z = 1175.7169
10213	X = 583142.7508	Y = 964863.8554	Z = 1198.5253
10214	X = 580193.8045	Y = 967640.1648	Z = 1184.7036
10215	X = 581982.5543	Y = 967147.2783	Z = 1184.8692
10216	X = 583592.3820	Y = 966797.8099	Z = 1207.1829
10217	X = 580353.4743	Y = 969586.6521	Z = 1188.9289
10218	X = 581202.3598	Y = 969352.5614	Z = 1189.9714
10219	X = 584258.9624	Y = 968704.0027	Z = 1217.5925
10220	X = 580641.4046	Y = 971782.9922	Z = 1164.4950
10221	X = 582910.8336	Y = 971178.9891	Z = 1203.0676
10222	X = 584678.9068	Y = 970797.6263	Z = 1223.0844
10223	X = 581947.9535	Y = 973651.6278	Z = 1196.4947
10224	X = 585253.4936	Y = 972994.3237	Z = 1234.3551
10225	X = 581866.3444	Y = 975566.3333	Z = 1205.4181
10226	X = 585697.8087	Y = 974857.1179	Z = 1241.0602
10227	X = 582399.7792	Y = 977729.6418	Z = 1211.4645
10228	X = 584243.6956	Y = 977267.2837	Z = 1207.7536
10229	X = 585944.5042	Y = 976873.1036	Z = 1248.5427
10230	X = 582893.2998	Y = 979700.3590	Z = 1213.8904
10231	X = 584854.6667	Y = 979232.6707	Z = 1213.8304
10232	X = 586548.3532	Y = 978740.0028	Z = 1257.2144
10233	X = 583406.4052	Y = 981658.2835	Z = 1225.8873
10234	X = 585118.7851	Y = 981254.2556	Z = 1220.3108
10235	X = 587152.7272	Y = 980784.2391	Z = 1265.7377
10236	X = 583714.4443	Y = 983493.7442	Z = 1229.0184
10237	X = 586127.4288	Y = 983168.7538	Z = 1272.4578
10238	X = 587590.0528	Y = 982753.8781	Z = 1274.6337
10239	X = 584466.3789	Y = 985671.2264	Z = 1237.4162
10240	X = 586570.3464	Y = 985208.1512	Z = 1240.2911
10241	X = 588116.6138	Y = 984792.1672	Z = 1312.0003
10243	X = 587020.4559	Y = 987344.7823	Z = 1248.0824
10244	X = 588861.2842	Y = 986854.6176	Z = 1319.6715
10245	X = 585454.6662	Y = 989845.4964	Z = 1251.8287
10246	X = 587595.4884	Y = 989245.4174	Z = 1254.8222
10247	X = 589367.6422	Y = 988782.8013	Z = 1337.4123
10248	X = 588426.5419	Y = 990984.7000	Z = 1323.6750
10249	X = 590096.2231	Y = 990439.5682	Z = 1363.9681
10250	X = 587194.8615	Y = 993477.1011	Z = 1267.4519
10251	X = 588950.7451	Y = 993082.4219	Z = 1269.5976
10252	X = 590740.8963	Y = 992307.0789	Z = 1385.6148
10253	X = 587806.4551	Y = 995233.3528	Z = 1275.9552
10254	X = 589412.0282	Y = 994787.6957	Z = 1274.9155
10255	X = 591167.1478	Y = 994255.0473	Z = 1414.3564

T R I A N G U L A T E D O B J E C T P O I N T S

Ident	Position (feet)		
10300	X = 577201.7655	Y = 907197.8282	Z = 1017.1312
10301	X = 575475.8937	Y = 908772.4913	Z = 1027.3513
10302	X = 577204.3578	Y = 908696.2345	Z = 1012.3442
10303	X = 575180.0188	Y = 910804.4494	Z = 1028.7228
10304	X = 577137.5888	Y = 910731.7968	Z = 1020.2502
10305	X = 575117.8376	Y = 912543.0164	Z = 1029.7762
10306	X = 577226.2231	Y = 912512.3561	Z = 1022.9134
10307	X = 575256.8750	Y = 914566.9735	Z = 1036.8795
10308	X = 577204.5747	Y = 914402.7603	Z = 1026.4399
10309	X = 575422.0858	Y = 916581.5366	Z = 1033.8894
10310	X = 577176.9106	Y = 916562.3813	Z = 1032.5357
10311	X = 575120.4557	Y = 918639.2281	Z = 1044.9512
10312	X = 577062.1684	Y = 918630.4668	Z = 1037.3993
10313	X = 575127.3974	Y = 920568.9282	Z = 1057.8432
10314	X = 577215.7200	Y = 920511.5402	Z = 1041.4004
10315	X = 575092.9832	Y = 922750.5371	Z = 1078.1698
10316	X = 577329.3247	Y = 922717.1230	Z = 1041.2957
10317	X = 575176.5543	Y = 924796.9852	Z = 1064.3413
10318	X = 577085.0972	Y = 924694.1684	Z = 1047.2825
10319	X = 575233.9459	Y = 926863.8891	Z = 1080.3383
10320	X = 577170.8559	Y = 926803.0567	Z = 1049.3247
10321	X = 575174.9822	Y = 928892.9725	Z = 1088.4558
10322	X = 577155.1997	Y = 928845.8728	Z = 1069.2891
10323	X = 575151.0973	Y = 931009.0269	Z = 1091.6731
10324	X = 577072.7721	Y = 930764.6292	Z = 1074.2017
10325	X = 575823.4208	Y = 933066.4466	Z = 1094.1298
10326	X = 577079.3492	Y = 932940.9664	Z = 1021.2397
10327	X = 579031.3007	Y = 932976.7617	Z = 1076.2048
10328	X = 574999.8019	Y = 935387.4801	Z = 1101.8446
10329	X = 577079.4918	Y = 935085.0168	Z = 1093.6016
10330	X = 578833.4835	Y = 935098.3204	Z = 1082.4196
10331	X = 574862.6055	Y = 937535.7679	Z = 1105.8283
10332	X = 577083.1791	Y = 937310.7995	Z = 1090.5819
10333	X = 578698.1093	Y = 937309.9678	Z = 1085.0623
10334	X = 574926.0066	Y = 939415.5279	Z = 1106.1103
10335	X = 576670.8646	Y = 939336.3841	Z = 1100.3600
10336	X = 578443.4418	Y = 939298.9467	Z = 1091.1843
10337	X = 575105.1379	Y = 941450.5321	Z = 1113.7770
10338	X = 577111.7315	Y = 941376.1241	Z = 1103.7626
10339	X = 578494.7018	Y = 941491.7047	Z = 1099.3952
10340	X = 575548.5621	Y = 943262.3347	Z = 1113.5800
10341	X = 576928.3691	Y = 943256.6159	Z = 1109.0186
10342	X = 578867.0000	Y = 943266.3459	Z = 1105.3211
10343	X = 575264.6556	Y = 945154.8193	Z = 1121.1547
10344	X = 576975.8658	Y = 945115.9457	Z = 1113.7858
10345	X = 578774.9551	Y = 945008.2326	Z = 1110.6796
10346	X = 575226.4275	Y = 946954.9478	Z = 1128.7417
10347	X = 576972.3965	Y = 946962.2187	Z = 1119.4614
10348	X = 575223.6752	Y = 949003.0549	Z = 1135.1118
10349	X = 577012.5134	Y = 948935.4993	Z = 1124.7643
10350	X = 575209.2934	Y = 950859.1759	Z = 1141.4105
10351	X = 577112.4239	Y = 950812.6275	Z = 1129.7998

T R I A N G U L A T E D O B J E C T P O I N T S

Ident	Position (feet)		
10352	X = 578945.0872	Y = 950797.0104	Z = 1127.0753
10353	X = 575330.0613	Y = 952668.1457	Z = 1148.9107
10354	X = 577048.3595	Y = 952623.3817	Z = 1138.4730
10355	X = 578957.6213	Y = 952583.4321	Z = 1133.2540
10356	X = 575172.6562	Y = 954507.0805	Z = 1155.0359
10357	X = 577326.6615	Y = 954604.0528	Z = 1141.3910
10358	X = 575295.4294	Y = 956497.1262	Z = 1163.2566
10359	X = 577024.3259	Y = 956509.0032	Z = 1150.6781
10360	X = 575359.6836	Y = 958348.9193	Z = 1170.0274
10361	X = 576973.9772	Y = 958301.5802	Z = 1165.8720
10362	X = 575375.2034	Y = 960320.7085	Z = 1176.4344
10401	X = 579131.7098	Y = 908679.0409	Z = 1006.1391
10402	X = 578984.8781	Y = 910687.8406	Z = 1016.8223
10403	X = 579128.9044	Y = 914398.1264	Z = 1022.0032
10404	X = 579212.2332	Y = 916478.1844	Z = 1030.7871
10405	X = 579023.1079	Y = 918669.7375	Z = 1032.5298
10406	X = 579050.3113	Y = 920547.3559	Z = 1036.5751
10408	X = 578999.7682	Y = 922647.1393	Z = 1047.4810
10409	X = 581164.1570	Y = 922452.3035	Z = 1049.1346
10410	X = 578838.7793	Y = 924383.5671	Z = 1054.7657
10411	X = 578880.8205	Y = 926588.6122	Z = 1051.5753
10412	X = 578908.9645	Y = 928479.5448	Z = 1067.0880
10413	X = 583000.2804	Y = 928240.7694	Z = 1063.2151
10414	X = 579020.4633	Y = 930253.5532	Z = 1069.2270
10415	X = 579014.2772	Y = 932056.5409	Z = 1076.3796
10416	X = 578765.4762	Y = 934014.8913	Z = 1072.8882
10417	X = 578776.9074	Y = 936133.5521	Z = 1086.5328
10418	X = 580935.7443	Y = 935986.5764	Z = 1086.2658
10419	X = 582654.1977	Y = 935971.5537	Z = 1114.3056
10420	X = 579182.6889	Y = 938049.9173	Z = 1091.6019
10421	X = 581055.3530	Y = 938005.5965	Z = 1092.6729
10422	X = 582822.5923	Y = 937873.3964	Z = 1121.5559
10423	X = 579163.5785	Y = 939890.4576	Z = 1090.2978
10424	X = 581161.9057	Y = 939993.4780	Z = 1131.6593
10425	X = 582976.8081	Y = 939942.6134	Z = 1127.7458
10426	X = 579252.3090	Y = 942002.1258	Z = 1102.0130
10427	X = 580874.2707	Y = 941897.8812	Z = 1095.3192
10428	X = 582672.3437	Y = 941854.7079	Z = 1130.8303
10429	X = 581092.0120	Y = 943969.0028	Z = 1103.5350
10430	X = 582768.4888	Y = 943965.4767	Z = 1134.2461
10431	X = 578895.8372	Y = 946032.1106	Z = 1112.9482
10432	X = 581213.1868	Y = 945927.6068	Z = 1165.3557
10433	X = 582977.2326	Y = 945917.0085	Z = 1137.4360
10434	X = 579025.0528	Y = 947796.4924	Z = 1117.9014
10435	X = 581090.6139	Y = 947757.4745	Z = 1120.9807
10436	X = 582942.7544	Y = 947728.0254	Z = 1143.5888
10437	X = 579361.3840	Y = 949876.9683	Z = 1110.9249
10438	X = 581073.0212	Y = 949833.1386	Z = 1124.3944
10439	X = 582937.3631	Y = 949712.8919	Z = 1153.1848
10440	X = 578965.3722	Y = 952023.2731	Z = 1131.9393
10441	X = 581016.7291	Y = 951772.4224	Z = 1129.3336
10442	X = 582948.9404	Y = 951743.5213	Z = 1154.7553

T R I A N G U L A T E D O B J E C T P O I N T S

Ident		Position (feet)		
10443		X = 579290.9848	Y = 953996.0359	Z = 1136.1871
10444		X = 580982.2664	Y = 953981.9788	Z = 1121.2574
10445		X = 582939.0452	Y = 953930.7017	Z = 1169.9422
10446		X = 578962.2912	Y = 956317.8858	Z = 1131.7547
10447		X = 581201.7279	Y = 956125.0237	Z = 1135.9508
10448		X = 582702.8181	Y = 956116.2543	Z = 1174.9425
10449		X = 578966.3551	Y = 958224.5270	Z = 1120.4199
10450		X = 581003.8783	Y = 958202.2199	Z = 1149.9555
10451		X = 582640.0272	Y = 958149.4407	Z = 1201.2025
10452		X = 579084.9561	Y = 960043.8489	Z = 1151.4645
10504		X = 580998.7260	Y = 908688.9524	Z = 1010.5607
10505		X = 582950.5915	Y = 908358.3522	Z = 1017.2363
10506		X = 584910.5896	Y = 908702.7734	Z = 1020.4841
10507		X = 580667.7146	Y = 910421.8018	Z = 1011.7638
10508		X = 582261.2602	Y = 910517.2106	Z = 1017.7585
10509		X = 583503.2461	Y = 910656.5662	Z = 1017.5084
10510		X = 584883.0154	Y = 910556.4145	Z = 1022.9499
10512		X = 580818.7510	Y = 914346.7409	Z = 1022.7814
10513		X = 583172.1508	Y = 914476.2640	Z = 1027.8246
10514		X = 585479.4823	Y = 914473.2634	Z = 1029.3430
10515		X = 581165.1511	Y = 916188.9698	Z = 1030.1920
10516		X = 583048.6608	Y = 916215.2010	Z = 1029.0902
10517		X = 584868.7642	Y = 916258.9029	Z = 1035.6067
10518		X = 580999.7729	Y = 918375.6495	Z = 1036.5253
10519		X = 582993.3531	Y = 918330.6269	Z = 1043.1488
10520		X = 584787.1905	Y = 918231.0917	Z = 1041.3386
10521		X = 582937.1562	Y = 920087.0380	Z = 1040.1948
10522		X = 584699.3582	Y = 920117.8262	Z = 1046.8070
10523		X = 580972.1796	Y = 922127.6710	Z = 1046.3183
10524		X = 582870.6276	Y = 922367.0514	Z = 1045.9292
10525		X = 584893.1726	Y = 922109.8680	Z = 1056.1965
10526		X = 581072.8854	Y = 924353.4152	Z = 1051.5029
10527		X = 582927.7047	Y = 924185.4944	Z = 1091.3806
10528		X = 584831.6723	Y = 924226.3417	Z = 1072.4148
10529		X = 581064.5686	Y = 926145.9390	Z = 1056.8794
10530		X = 583020.9902	Y = 926189.9157	Z = 1052.7041
10531		X = 584856.9829	Y = 926129.9456	Z = 1083.8345
10532		X = 583008.2925	Y = 928242.0963	Z = 1063.2234
10533		X = 581022.5512	Y = 930329.5417	Z = 1070.0027
10534		X = 582857.1233	Y = 930301.2999	Z = 1089.5070
10535		X = 584890.5190	Y = 930195.0684	Z = 1105.6339
10536		X = 580667.0218	Y = 932227.6922	Z = 1076.3801
10537		X = 583128.8513	Y = 932269.1860	Z = 1100.7069
10538		X = 584867.3064	Y = 932246.3754	Z = 1109.0328
10539		X = 580989.7929	Y = 934393.6243	Z = 1082.0032
10540		X = 583132.8472	Y = 934242.3042	Z = 1106.2600
10541		X = 584814.9825	Y = 934279.0362	Z = 1115.4828
10701	*3*	X = 584448.3696	Y = 928153.9150	Z = 1094.9705
10702	*3*	X = 583778.8329	Y = 920306.0707	Z = 1048.1164
10703	*0*	X = 584681.2083	Y = 917727.0448	Z = 1037.7051
10704	*0*	X = 584902.9294	Y = 912571.7650	Z = 1033.3513
10705	*0*	X = 583597.8035	Y = 912510.2891	Z = 1033.2329

T R I A N G U L A T E D O B J E C T P O I N T S

Ident		Position (feet)					
10707	*0*	X =	584806.0941	Y =	907287.9260	Z =	1019.1687
10708	*0*	X =	582127.7031	Y =	938802.8498	Z =	1122.6749
10709	*0*	X =	582157.4450	Y =	938803.5856	Z =	1123.1371
10710	*3*	X =	582783.6828	Y =	943825.2285	Z =	1133.9720
10711	*3*	X =	582794.5128	Y =	943856.6120	Z =	1133.7479
10801	*0*	X =	574988.2870	Y =	961109.2472	Z =	1180.8181
10802	*3*	X =	575846.8632	Y =	964406.4933	Z =	1197.5385
10803	*4*	X =	575762.3895	Y =	965432.5422	Z =	1203.8537
10804	*3*	X =	576258.6809	Y =	967549.2091	Z =	1212.1376
10806	*4*	X =	577522.2552	Y =	972066.9549	Z =	1248.4765
10807	*3*	X =	577886.6752	Y =	975118.1485	Z =	1264.6153
10808	*3*	X =	579995.1843	Y =	977506.5933	Z =	1225.4768
10809	*4*	X =	578371.6040	Y =	975974.9966	Z =	1219.5230
10810	*0*	X =	579634.9850	Y =	981370.6856	Z =	1252.6112
10811		X =	580988.5132	Y =	983626.8787	Z =	1259.1357
10812	*3*	X =	582442.8753	Y =	984908.1590	Z =	1258.9182
10813		X =	582294.0244	Y =	987896.7042	Z =	1274.9619
10814	*3*	X =	583009.6815	Y =	991583.6532	Z =	1293.9562
10815	*3*	X =	583829.6242	Y =	995112.2773	Z =	1338.0188
10816	*0*	X =	587214.8711	Y =	994132.6370	Z =	1270.1885
10817	*0*	X =	586372.3532	Y =	991502.0383	Z =	1257.7672
10818	*0*	X =	577632.2620	Y =	957253.8343	Z =	1153.3688
10819	*0*	X =	576811.2677	Y =	960302.9824	Z =	1172.1595
10820		X =	578318.9075	Y =	966773.6905	Z =	1170.0822
10821	*4*	X =	579495.5322	Y =	969578.7632	Z =	1184.6348
10822	*3*	X =	580927.6204	Y =	974039.9888	Z =	1201.6790
10823		X =	580998.3380	Y =	977296.3462	Z =	1211.3842
10824	*0*	X =	582846.3003	Y =	981069.5147	Z =	1221.6969
10825	*0*	X =	579706.0685	Y =	960140.2320	Z =	1163.1360
10826	*3*	X =	579337.2679	Y =	963494.6957	Z =	1164.7172
10827	*3*	X =	580973.6779	Y =	966132.2613	Z =	1176.4254
10828	*0*	X =	582729.5706	Y =	968927.2985	Z =	1214.4560
10829	*0*	X =	583533.4111	Y =	971901.4839	Z =	1225.3604
10830	*3*	X =	583335.4005	Y =	973154.0649	Z =	1232.5148
10831	*3*	X =	584133.8549	Y =	974926.8482	Z =	1238.3262
10832	*3*	X =	583656.5535	Y =	977108.4127	Z =	1209.6884
10833	*3*	X =	584817.7069	Y =	977714.9366	Z =	1248.9684
10834		X =	583832.3352	Y =	981052.0867	Z =	1223.2361
10835	*0*	X =	585987.6204	Y =	980490.9398	Z =	1258.1636
10836	*0*	X =	586544.7516	Y =	981103.1461	Z =	1256.9823
10837	*3*	X =	586677.6818	Y =	982510.6003	Z =	1269.0842
10838	*3*	X =	585800.4369	Y =	983751.1734	Z =	1232.2429
10839	*3*	X =	585787.7269	Y =	984593.2924	Z =	1236.1878
10840	*3*	X =	586800.4248	Y =	985804.6365	Z =	1250.8902
10841	*3*	X =	587825.8950	Y =	986376.1051	Z =	1291.7294
10842	*3*	X =	585312.5835	Y =	987592.0651	Z =	1245.1327
10843	*3*	X =	587059.7995	Y =	988483.6312	Z =	1253.0003
10844	*3*	X =	587655.4292	Y =	990171.0828	Z =	1257.0183
10845	*3*	X =	587320.3902	Y =	991335.8042	Z =	1263.8987
10846	*4*	X =	588154.9701	Y =	992369.3130	Z =	1465.6707
10847	*0*	X =	589887.7585	Y =	993156.3688	Z =	1447.6654
10849	*0*	X =	581012.8692	Y =	960135.7641	Z =	1163.2226

T R I A N G U L A T E D O B J E C T P O I N T S

Ident		Position (feet)		
10850	*0*	X = 582780.2248	Y = 959935.7698	Z = 1196.1108
10851	*0*	X = 583701.1610	Y = 994252.1071	Z = 1332.8589
10852		X = 575788.1532	Y = 958669.0446	Z = 1170.2233
10853	*3*	X = 575751.9726	Y = 954517.2250	Z = 1149.7252
10854	*3*	X = 579323.9911	Y = 954617.8748	Z = 1136.5172
10855	*0*	X = 579231.8774	Y = 949308.4454	Z = 1123.7943
10856	*3*	X = 579662.8916	Y = 952047.0680	Z = 1131.8216
10857	*0*	X = 575768.3287	Y = 949343.2204	Z = 1135.4420
10858	*3*	X = 579179.1129	Y = 947257.7936	Z = 1115.6571
10859	*0*	X = 575768.9093	Y = 944057.2020	Z = 1118.2281
10860	*3*	X = 579355.0031	Y = 944034.2322	Z = 1107.4270
10861	*3*	X = 579033.2667	Y = 941197.4573	Z = 1100.3065
10862	*0*	X = 575780.2159	Y = 938782.7459	Z = 1105.8637
10863	*0*	X = 579100.1099	Y = 938741.9286	Z = 1088.9371
10864		X = 575781.6670	Y = 933513.2225	Z = 1095.7071
10865	*3*	X = 578575.1102	Y = 930804.6081	Z = 1071.8997
10866	*0*	X = 575787.9368	Y = 928256.9135	Z = 1088.5212
10867	*3*	X = 579568.5586	Y = 925575.2553	Z = 1058.4739
10868	*0*	X = 575914.5528	Y = 922984.9841	Z = 1064.2100
10869	*3*	X = 578497.0321	Y = 922966.2715	Z = 1055.7837
10870	*0*	X = 575891.8407	Y = 917711.5567	Z = 1036.4937
10871	*4*	X = 578477.7635	Y = 917687.5242	Z = 1035.2664
10872	*0*	X = 575863.5377	Y = 912424.3475	Z = 1026.9839
10873	*0*	X = 578489.5847	Y = 912410.2130	Z = 1026.9553
10874	*4*	X = 579509.8551	Y = 912405.2859	Z = 1028.7426
10875		X = 575872.6125	Y = 911164.6416	Z = 1024.0455
10876	*0*	X = 575901.2471	Y = 907217.6228	Z = 1016.4007
10877	*3*	X = 579373.7534	Y = 907140.9740	Z = 1019.3156
10878	*0*	X = 581015.3902	Y = 957241.6248	Z = 1146.2512
10879	*3*	X = 582668.1988	Y = 954541.4699	Z = 1170.0987
10880	*0*	X = 582360.5238	Y = 950354.6059	Z = 1154.8140
10881	*0*	X = 582194.5251	Y = 949099.3461	Z = 1149.7191
10882	*4*	X = 581071.2200	Y = 933454.9557	Z = 1090.2304
10883	*3*	X = 582578.7292	Y = 930828.4604	Z = 1083.5746
10884	*0*	X = 581096.7088	Y = 928173.4512	Z = 1065.1079
10885	*3*	X = 583693.8531	Y = 928199.2104	Z = 1080.6974
10886	*3*	X = 581080.4947	Y = 922947.4220	Z = 1054.4867
10887	*0*	X = 581788.7818	Y = 922931.7986	Z = 1055.1682
10888	*0*	X = 582959.8449	Y = 922922.9463	Z = 1055.1289
10889	*3*	X = 583663.7312	Y = 922928.7287	Z = 1054.7307
10890	*3*	X = 580999.1315	Y = 920222.8058	Z = 1042.4629
10891	*0*	X = 582771.9883	Y = 917591.0164	Z = 1042.4491
10892	*3*	X = 581104.5752	Y = 912396.2832	Z = 1038.4987
10893	*0*	X = 583003.2780	Y = 912483.0304	Z = 1032.6749
10894	*0*	X = 581104.1355	Y = 907139.5876	Z = 1014.2105
10895	*3*	X = 582832.6096	Y = 907216.1859	Z = 1016.2197
10896	*3*	X = 583588.0150	Y = 907238.9838	Z = 1017.2085
10897	*4*	X = 584509.0510	Y = 922921.7162	Z = 1058.7582
10898	*0*	X = 584357.7872	Y = 933518.5863	Z = 1113.4021
10899	*3*	X = 584378.0228	Y = 930864.7102	Z = 1105.9608
10901		X = 579735.3613	Y = 947163.4265	Z = 1115.4904
10902		X = 583689.5824	Y = 948083.9716	Z = 1149.0766

T R I A N G U L A T E D O B J E C T P O I N T S

Ident		Position (feet)					
10910		X =	578441.7559	Y =	928215.1364	Z =	1059.0138
10911		X =	575785.0777	Y =	930885.0399	Z =	1089.2476
10941	*3*	X =	579325.5828	Y =	907145.6345	Z =	1019.3223
10942	*3*	X =	579308.1358	Y =	907145.9194	Z =	1019.3131
10943	*3*	X =	577688.2055	Y =	907170.1398	Z =	1019.3398
10944	*3*	X =	577674.6003	Y =	907170.5537	Z =	1019.2606
10945		X =	578502.5225	Y =	907178.2706	Z =	1019.8302
10946		X =	576582.4678	Y =	907183.3916	Z =	1014.8723
19877		X =	579317.7605	Y =	907130.9205	Z =	1018.8925
20864		X =	579099.6828	Y =	938741.8113	Z =	1089.1380
40416		X =	578764.9076	Y =	934014.7996	Z =	1071.9835

C O R R E C T I O N S A P P L I E D T O O B J E C T C O N T R O

	X =(	-0.4836 ft)		X =	-0.0630 ft
10710	Y =(	0.0531 ft)	10810	Y =	-0.1504 ft
	Z =	-0.1320 ft		Z =	0.0262 ft
	X =(	0.0021 ft)		X =(	0.0101 ft)
10830	Y =(	-0.0049 ft)	10840	Y =(	0.0252 ft)
	Z =	0.0178 ft		Z =	-0.0208 ft
	X =	0.0008 ft		X =(	-0.1763 ft)
10850	Y =	0.2918 ft	10860	Y =(	-0.0796 ft)
	Z =	0.0078 ft		Z =	0.0250 ft
	X =	-0.1543 ft		X =	0.0158 ft
10870	Y =	-0.1853 ft	10880	Y =	0.0669 ft
	Z =	0.0077 ft		Z =	0.0130 ft
	X =(	-0.0118 ft)		X =(	0.0280 ft)
10890	Y =(	-0.0146 ft)	10701	Y =(	0.0014 ft)
	Z =	0.0559 ft		Z =	0.0225 ft
	X =	-0.1140 ft		X =(	-0.1891 ft)
10801	Y =	-0.6278 ft	10711	Y =(	0.0408 ft)
	Z =	0.0421 ft		Z =	0.1259 ft
	X =	0.1592 ft		X =(	-0.0022 ft)
10821	Y =	-0.0678 ft	10831	Y =(	0.0007 ft)
	Z =(	0.0350 ft)		Z =	-0.0038 ft
	X =(	0.0405 ft)		X =(	-0.3940 ft)
10841	Y =(	-0.0301 ft)	10941	Y =(	0.1306 ft)
	Z =	0.0604 ft		Z =	-0.0077 ft
	X =	0.0850 ft		X =(	-0.1025 ft)
10851	Y =	-0.1289 ft	10861	Y =(	-0.0208 ft)
	Z =	-0.0061 ft		Z =	0.0515 ft
	X =	0.1095 ft		X =	0.1871 ft
10871	Y =	-0.1508 ft	10881	Y =	0.2171 ft
	Z =(	-0.4984 ft)		Z =	0.0091 ft
	X =	0.2533 ft		X =(	-0.0531 ft)
10891	Y =	0.2124 ft	10702	Y =(	-0.0188 ft)
	Z =	-0.1009 ft		Z =	-0.0926 ft
	X =(	0.0260 ft)		X =(	0.0155 ft)
10802	Y =(	-0.0387 ft)	10812	Y =(	0.0022 ft)
	Z =	-0.0435 ft		Z =	-0.0118 ft
	X =(	0.0022 ft)		X =(	0.0106 ft)
10822	Y =(	-0.0032 ft)	10832	Y =(	-0.0021 ft)
	Z =	-0.0070 ft		Z =	-0.0176 ft

C O R R E C T I O N S A P P L I E D T O O B J E C T C O N T R O I

	X =(	0.0128 ft)		X =(	-0.4455 ft)
10842	Y =(	-0.0002 ft)	10942	Y =(	0.1436 ft)
	Z =	-0.0063 ft		Z =	-0.0169 ft
	X =	0.0289 ft		X =	-0.1063 ft
10862	Y =	-0.2631 ft	10872	Y =	-0.2745 ft
	Z =	0.0427 ft		Z =	0.0339 ft
	X =	0.1440 ft		X =(	0.0448 ft)
10882	Y =	-0.1923 ft	10892	Y =(	-0.0305 ft)
	Z =(	0.0122 ft)		Z =	0.0247 ft
	X =	0.2293 ft		X =	0.0305 ft
10703	Y =	0.1648 ft	10803	Y =	-0.0298 ft
	Z =	0.1751 ft		Z =(	-0.0694 ft)
	X =(	0.0015 ft)		X =(	0.0399 ft)
10833	Y =(	-0.0071 ft)	10843	Y =(	0.0304 ft)
	Z =	-0.0016 ft		Z =	-0.0157 ft
	X =(	-0.1708 ft)		X =(	-0.1166 ft)
10943	Y =(	0.1088 ft)	10853	Y =(	-0.2452 ft)
	Z =	-0.0102 ft		Z =	-0.0178 ft
	X =	-0.5961 ft		X =	-0.0623 ft
10863	Y =	-0.0014 ft	10873	Y =	-0.0480 ft
	Z =	-0.0739 ft		Z =	0.0533 ft
	X =(	-0.0005 ft)		X =	-0.0060 ft
10883	Y =(	0.0002 ft)	10893	Y =	0.1014 ft
	Z =	-0.0004 ft		Z =	0.0219 ft
	X =	-0.0036 ft		X =(	-0.0259 ft)
10704	Y =	0.2310 ft	10804	Y =(	-0.0047 ft)
	Z =	-0.0607 ft		Z =	0.0006 ft
	X =(	0.0088 ft)		X =	0.0203 ft
10814	Y =(	-0.0060 ft)	10824	Y =	0.0087 ft
	Z =	0.0042 ft		Z =	-0.0041 ft
	X =(	0.0250 ft)		X =(	-0.1535 ft)
10844	Y =(	-0.0058 ft)	10944	Y =(	0.0940 ft)
	Z =	-0.0037 ft		Z =	0.0006 ft
	X =(	-0.0308 ft)		X =	-0.0659 ft
10854	Y =(	-0.2456 ft)	10874	Y =	-0.0311 ft
	Z =	0.0522 ft		Z =(	-0.0282 ft)
	X =	0.2178 ft		X =	-0.2025 ft
10884	Y =	-0.0578 ft	10894	Y =	-0.0474 ft
	Z =	-0.0091 ft		Z =	0.1025 ft

C O R R E C T I O N S A P P L I E D T O O B J E C T C O N T R O

	X =	-0.0425 ft		X =(	-0.0922 ft)
10705	Y =	0.1741 ft	10815	Y =(	0.0359 ft)
	Z =	-0.0061 ft		Z =	0.0198 ft
	X =	0.1725 ft		X =	0.1524 ft
10825	Y =	0.1380 ft	10835	Y =	0.0818 ft
	Z =	0.0180 ft		Z =	0.0766 ft
	X =(	0.0131 ft)		X =	-0.1606 ft
10845	Y =(	-0.0036 ft)	10855	Y =	0.0634 ft
	Z =	-0.0023 ft		Z =	-0.0777 ft
	X =(	0.0014 ft)		X =(	0.0122 ft)
10865	Y =(	-0.0075 ft)	10885	Y =(	0.0018 ft)
	Z =	-0.0013 ft		Z =	0.0204 ft
	X =(	-0.0190 ft)		X =	-0.1458 ft
10895	Y =(	0.0541 ft)	10806	Y =	-0.1201 ft
	Z =	-0.0623 ft		Z =(	0.1058 ft)
	X =	-0.1219 ft		X =(	-0.0067 ft)
10816	Y =	-0.3240 ft	10826	Y =(	-0.0256 ft)
	Z =	-0.0425 ft		Z =	0.0292 ft
	X =	0.0536 ft		X =	0.0101 ft
10836	Y =	0.0321 ft	10846	Y =	0.1880 ft
	Z =	0.0023 ft		Z =(	-0.0323 ft)
	X =(	-0.0732 ft)		X =	0.0238 ft
10856	Y =(	-0.3204 ft)	10866	Y =	-0.2455 ft
	Z =	0.0156 ft		Z =	0.0012 ft
	X =	-0.1749 ft		X =(	0.0007 ft)
10876	Y =	0.0888 ft	10886	Y =(	-0.0051 ft)
	Z =	-0.0073 ft		Z =	0.0097 ft
	X =(	-0.0487 ft)		X =	-0.0969 ft
10896	Y =(	0.0262 ft)	10707	Y =	-0.0310 ft
	Z =	-0.0545 ft		Z =	-0.0133 ft
	X =(	-0.0925 ft)		X =	-0.0658 ft
10807	Y =(	0.0166 ft)	10817	Y =	-0.1797 ft
	Z =	0.0133 ft		Z =	0.0462 ft
	X =(	0.0319 ft)		X =(	-0.0141 ft)
10827	Y =(	-0.0066 ft)	10837	Y =(	0.0258 ft)
	Z =	-0.0226 ft		Z =	-0.0128 ft
	X =	0.0445 ft		X =	-0.1593 ft
10847	Y =	0.2698 ft	10857	Y =	-0.2936 ft
	Z =	0.0124 ft		Z =	0.0710 ft

C O R R E C T I O N S A P P L I E D T O O B J E C T C O N T R O L

	X =(	0.0018 ft)		X =(	-0.1368 ft)
10867	Y =(	-0.0069 ft)	10877	Y =(	0.1091 ft)
	Z =	-0.0141 ft		Z =	-0.0194 ft
	X =	0.0088 ft		X =	0.0160 ft
10887	Y =	-0.0174 ft	10897	Y =	0.1422 ft
	Z =	-0.0728 ft		Z =(	-0.0002 ft)
	X =	-0.1149 ft		X =(	0.0183 ft)
10708	Y =	0.0748 ft	10808	Y =(	-0.0074 ft)
	Z =	-0.0111 ft		Z =	-0.0212 ft
	X =	0.0580 ft		X =	-0.0264 ft
10818	Y =	0.0453 ft	10828	Y =	0.2525 ft
	Z =	-0.0182 ft		Z =	0.0110 ft
	X =(	0.0134 ft)		X =(	-0.1805 ft)
10838	Y =(	-0.0010 ft)	10858	Y =(	-0.2025 ft)
	Z =	-0.0111 ft		Z =	0.0291 ft
	X =	-0.0832 ft		X =	-0.0528 ft
10868	Y =	-0.2389 ft	10878	Y =	0.0068 ft
	Z =	-0.0070 ft		Z =	-0.0778 ft
	X =	0.0149 ft		X =	-0.0828 ft
10888	Y =	0.1303 ft	10898	Y =	0.3323 ft
	Z =	-0.0961 ft		Z =	-0.0239 ft
	X =	0.3930 ft		X =	-0.0820 ft
10709	Y =	0.2256 ft	10809	Y =	-0.1574 ft
	Z =	0.0281 ft		Z =(	0.0295 ft)
	X =	-0.1663 ft		X =	0.2131 ft
10819	Y =	0.0574 ft	10829	Y =	0.1049 ft
	Z =	-0.0145 ft		Z =	0.0044 ft
	X =(	0.0052 ft)		X =	0.0802 ft
10839	Y =(	0.0105 ft)	10849	Y =	0.1541 ft
	Z =	0.0058 ft		Z =	0.0026 ft
	X =	0.2053 ft		X =(	-0.0480 ft)
10859	Y =	-0.1240 ft	10869	Y =(	-0.0567 ft)
	Z =	-0.1069 ft		Z =	-0.0143 ft
	X =(	0.0927 ft)		X =(	0.1135 ft)
10879	Y =(	-0.3357 ft)	10889	Y =(	0.0104 ft)
	Z =	-0.0003 ft		Z =	0.1437 ft
	X =(	0.1135 ft)		X =(	0.0277 ft)
10889	Y =(	0.0104 ft)	10899	Y =(	0.0150 ft)
	Z =	0.1437 ft		Z =	0.0258 ft

X .... Number of Components =	52	RMS =	0.1540 feet
Y .... Number of Components =	52	RMS =	0.1881 feet
Z .... Number of Components =	94	RMS =	0.0483 feet

JOB Name : AGUAXSEC

Point	Northing	Easting	Elevation	Description
1	5000.0000	5000.0000	0.0000	START
2	985045.9600	586790.5700	1267.9000	X SEC 1
3	985023.4100	585723.8100	1237.2000	110+67
7	984951.2400	582309.8000	1255.4000	144+81
8	963637.9559	576884.4475	0.0000	IP ENSEC14
51	941197.4600	579033.2700	0.0000	AF 51
100	985045.9600	586790.5700	1267.9000	100+00 XSEC 1
101	985045.8332	586784.5713	1268.0000	100+06
102	985044.9243	586741.5809	1245.2000	100+49
103	985044.5650	586724.5847	1245.2000	100+66
104	985042.7684	586639.6037	1241.2000	101+51
105	985042.6416	586633.6051	1240.2000	101+57
106	985041.4580	586577.6176	1239.9000	102+13
107	985039.4077	586480.6393	1241.0000	103+10
108	985037.3575	586383.6609	1240.8000	104+07
109	985035.2862	586285.6828	1240.0000	105+05
110	985033.2148	586187.7047	1239.5000	106+03
111	985031.2914	586096.7250	1238.6000	106+94
112	985029.3469	586004.7456	1237.4000	107+86
113	985027.3812	585911.7664	1236.3000	108+79
114	985025.3944	585817.7874	1236.4000	109+73
115	985023.4076	585723.8084	1237.2000	110+67
116	985021.3151	585624.8305	1235.5000	111+66
117	985019.2860	585528.8519	1236.5000	112+62
118	984990.6463	584174.1546	1237.4000	113+55
119	985015.3124	585340.8939	1237.4000	114+50
120	985012.6069	585212.9225	1238.0000	115+78
121	985010.7046	585122.9426	1237.9000	116+68
122	985008.6756	585026.9641	1238.1000	117+64
123	985006.7310	584934.9846	1236.4000	118+56
124	985005.0824	584857.0020	1234.5000	119+34
125	985003.0956	584763.0230	1234.8000	120+28
126	985001.1088	584669.0440	1234.5000	121+22
127	984998.9740	584568.0666	1234.0000	122+23
128	984997.8115	584513.0789	1234.8000	122+78
129	984996.4799	584450.0930	1237.1000	123+41
130	984994.5776	584360.1131	1236.7000	124+31
131	984992.8233	584277.1316	1233.4000	125+14
132	984991.4283	584211.1464	1233.4000	125+80
133	984989.3570	584113.1683	1233.9000	126+78
134	984987.2222	584012.1908	1233.8000	127+79
135	984985.4045	583926.2100	1232.8000	128+65
136	984983.4177	583832.2310	1234.0000	129+59
137	984981.3252	583733.2531	1233.7000	130+58
138	984978.9579	583621.2782	1233.5000	131+70
139	984976.8443	583521.3005	1234.5000	132+70
140	984974.8575	583427.3215	1236.9000	133+64
141	984972.7861	583329.3434	1236.4000	134+62
142	984970.6514	583228.3660	1235.5000	135+63
143	984968.5589	583129.3881	1233.6000	136+62
144	984966.4875	583031.4100	1233.0000	137+60
145	984963.9934	582913.4363	1233.0000	138+78
146	984961.5416	582797.4622	1232.9000	139+94
147	984959.2589	582689.4864	1234.6000	141+02
148	984956.7859	582572.5125	1240.5000	142+19
149	984954.0171	582441.5418	1249.1000	143+50
150	984951.2482	582310.5710	1255.4000	144+81 END XSEC1
151	991951.8600	587274.7200	1269.8200	100+00 XSEC 2
152	991963.2265	587257.0621	1269.4000	100+21
153	985069.2343	586754.4133	1267.6000	100+43
154	985087.0961	586726.6652	1262.2000	100+76

155	985120.6544	586674.5323	1260.4000	101+38	
156	985133.1035	586655.1927	1255.8000	101+61	
157	985147.7176	586632.4897	1254.1000	101+88	
158	985167.2031	586602.2190	1256.2000	102+24	
159	985222.9533	586515.6112	1257.1000	103+27	
160	985245.1451	586481.1362	1256.3000	103+68	
161	985265.7132	586449.1838	1259.3000	104+06	
162	985320.9221	586363.4168	1259.9000	105+08	
163	985373.4247	586281.8541	1260.3000	106+05	
164	985434.5875	586186.8377	1260.9000	107+18	
165	985490.8790	586099.3890	1261.2000	108+22	
166	985536.8864	586027.9166	1261.9000	109+07	
167	985557.9957	585995.1233	1265.5000	109+46	
168	985566.1146	585982.5105	1263.7000	109+61	
169	985595.3429	585937.1045	1265.5000	110+15	
170	985628.3600	585885.8124	1265.0000	110+76	
171	985666.7897	585826.1119	1263.9000	111+47	
172	985727.9526	585731.0955	1262.4000	112+60	
173	985758.2633	585684.0078	1258.2000	113+16	
174	985772.3362	585662.1456	1274.0000	113+42	
175	992702.0500	586109.3000	1283.1000	113+86	END SEC2
176	977614.4400	584514.3700	1248.2500	100+00	XSEC 3
177	977613.8997	584508.3944	1246.2500	100+06	
178	977610.2075	584467.5610	1208.2000	100+47	
179	977604.8043	584407.8047	1208.2000	101+07	
180	977590.4859	584249.4508	1207.1000	102+66	
181	977587.8743	584220.5686	1208.6000	102+95	
182	977582.2910	584158.8205	1212.2000	103+57	
183	977571.5747	584040.3040	1212.7000	104+76	
184	977565.8113	583976.5640	1213.1000	105+40	
185	977553.4740	583840.1207	1212.4000	106+77	
186	977543.2079	583726.5839	1211.3000	107+91	
187	977535.1031	583636.9495	1209.5000	108+81	
188	977531.8612	583601.0958	1211.4000	109+17	
189	977525.4675	583530.3843	1210.8000	109+88	
190	977516.7323	583433.7784	1208.9000	110+85	
191	977510.8788	583369.0425	1209.4000	111+50	
192	977507.0966	583327.2131	1205.6000	111+92	
193	977504.3050	583296.3391	1205.4000	112+23	
194	977502.6840	583278.4122	1207.4000	112+41	
195	977498.7217	583234.5910	1206.2000	112+85	
196	977496.7405	583212.6804	1209.5000	113+07	
197	977494.1289	583183.7982	1212.3000	113+36	
198	977493.2284	583173.8389	1214.0000	113+46	
199	977484.4933	583077.2330	1212.6000	114+43	
200	977480.4409	583032.4158	1209.7000	114+88	
201	977470.7151	582924.8546	1208.8000	115+96	
202	977465.8522	582871.0740	1207.1000	116+50	
203	977461.7999	582826.2569	1210.1000	116+95	
204	977450.4532	582700.7688	1210.7000	118+21	
205	977436.1347	582542.4148	1210.5000	119+80	
206	977434.1500	582520.5100	1210.3000	120+02	XSEC 3
207	973046.1700	581967.7300	1201.2000	100+00	XSEC 4
208	973057.5233	581921.0920	1200.5000	100+48	
209	973069.3497	581872.5108	1198.0000	100+98	
210	973084.9605	581808.3835	1194.5000	101+64	
211	973106.7210	581718.9940	1193.4000	102+56	
212	973129.6641	581624.7464	1191.5000	103+53	
213	973152.6073	581530.4988	1188.7000	104+50	
214	973166.0893	581475.1162	1188.5000	105+07	
215	973181.2271	581412.9322	1190.4000	105+71	
216	973200.3858	581334.2306	1193.4000	106+52	
217	973221.9098	581245.8127	1194.0000	107+43	
218	973240.1224	581170.9976	1193.3000	108+20	
219	973260.9368	581085.4946	1189.0000	109+08	

415	954518.0038	582155.5188	1140.7000	105+13
416	954521.6699	582051.5835	1139.3000	106+17
417	954525.2655	581949.6469	1138.1000	107+19
418	954528.8258	581848.7096	1137.6000	108+20
419	954532.5624	581742.7755	1136.8000	109+26
420	954536.2285	581638.8402	1136.5000	110+30
421	954539.8241	581536.9035	1136.6000	111+32
422	954543.3845	581435.9663	1136.7000	112+33
423	954546.9801	581334.0297	1136.5000	113+35
424	954548.7426	581284.0608	1136.3000	113+85
425	954549.7649	581255.0788	1134.1000	114+14
426	954550.5052	581234.0919	1133.3000	114+35
427	954550.7167	581228.0956	1133.3000	114+41
428	954551.3512	581210.1068	1126.9000	114+59
429	954552.4087	581180.1254	1126.9000	114+89
430	954553.4310	581151.1435	1133.7000	115+18
431	954553.7482	581142.1490	1135.5000	115+27
432	954554.3475	581125.1596	1126.8000	115+44
433	954554.5238	581120.1627	1126.8000	115+49
434	954554.9115	581109.1696	1128.8000	115+60
435	954556.2511	581071.1932	1128.8000	115+98
436	954556.4978	581064.1975	128.8000	116+05
437	954556.9913	581050.2062	1134.5000	116+19
438	954558.3661	581011.2305	1134.4000	116+58
439	954560.6222	580947.2702	1130.0000	117+22
440	954564.4998	580837.3386	1130.5000	118+32
441	954568.7299	580717.4132	1129.5000	119+22
442	954572.6428	580606.4822	1129.3000	120+63
443	954575.6391	580521.5350	1129.3000	121+48
444	954576.5204	580496.5505	1137.5000	121+73 END XSEC
445	954617.8800	579323.9900	1136.5000	END GREENWAY
446	944076.2991	581786.6361	1136.4000	100+00 XSEC 11
447	944076.2299	581782.6367	1136.4000	100+04
448	944075.4342	581736.6436	1100.7000	100+50
449	944075.2266	581724.6454	1100.8000	100+62
450	944073.6352	581632.6592	1099.9000	101+54
451	944072.8914	581589.6656	1099.4000	101+97
452	944072.8049	581584.6663	1101.2000	102+02
453	944072.6665	581576.6675	1099.4000	102+10
454	944071.7497	581523.6755	1098.4000	102+63
455	944071.4037	581503.6785	1098.2000	102+83
456	944070.4523	581448.6867	1100.1000	103+38
457	944070.4523	581448.6867	1105.9000	103+90
458	944069.1377	581372.6981	1110.8000	104+14
459	944068.8955	581358.7002	1110.8000	104+28
460	944067.6500	581286.7109	1112.7000	105+00
461	944067.0100	581249.7165	1108.1000	105+37
462	944064.9169	581128.7346	1103.1000	106.58
463	944064.6747	581114.7367	1103.4000	106+72
464	944064.5190	581105.7380	1104.5000	106+81
465	944063.7752	581062.7444	1105.3000	107+24
466	944063.5504	581049.7464	1105.3000	107+37
467	944063.1006	581023.7503	1106.4000	107+63
468	944062.0627	580963.7593	1106.7000	108+23
469	944061.5957	580936.7633	1105.4000	108+50
470	944060.3502	580864.7741	1104.6000	109+22
471	944059.9004	580838.7780	1102.6000	109+48
472	944059.9004	580838.7780	1102.6000	109.48
473	944059.6410	580823.7802	1103.7000	109+63
474	944059.4161	580810.7821	1103.4000	109+76
475	944059.2085	580798.7839	1104.6000	109+88
476	944058.7934	580774.7875	1106.1000	110+12
477	944058.5685	580761.7895	1107.8000	110+25
478	944057.3403	580690.8001	1107.8000	110+96
479	944055.5413	580586.8157	1107.8000	112+00

415	954518.0038	582155.5188	1140.7000	105+13
416	954521.6699	582051.5835	1139.3000	106+17
417	954525.2655	581949.6469	1138.1000	107+19
418	954528.8258	581848.7096	1137.6000	108+20
419	954532.5624	581742.7755	1136.8000	109+26
420	954536.2285	581638.8402	1136.5000	110+30
421	954539.8241	581536.9035	1136.6000	111+32
422	954543.3845	581435.9663	1136.7000	112+33
423	954546.9801	581334.0297	1136.5000	113+35
424	954548.7426	581284.0608	1136.3000	113+85
425	954549.7649	581255.0788	1134.1000	114+14
426	954550.5052	581234.0919	1133.3000	114+35
427	954550.7167	581228.0956	1133.3000	114+41
428	954551.3512	581210.1068	1126.9000	114+59
429	954552.4087	581180.1254	1126.9000	114+89
430	954553.4310	581151.1435	1133.7000	115+18
431	954553.7482	581142.1490	1135.5000	115+27
432	954554.3475	581125.1596	1126.8000	115+44
433	954554.5238	581120.1627	1126.8000	115+49
434	954554.9115	581109.1696	1128.8000	115+60
435	954556.2511	581071.1932	1128.8000	115+98
436	954556.4978	581064.1975	128.8000	116+05
437	954556.9913	581050.2062	1134.5000	116+19
438	954558.3661	581011.2305	1134.4000	116+58
439	954560.6222	580947.2702	1130.0000	117+22
440	954564.4998	580837.3386	1130.5000	118+32
441	954568.7299	580717.4132	1129.5000	119+22
442	954572.6428	580606.4822	1129.3000	120+63
443	954575.6391	580521.5350	1129.3000	121+48
444	954576.5204	580496.5505	1137.5000	121+73 END XSEC
445	954617.8800	579323.9900	1136.5000	END GREENWAY
446	944076.2991	581786.6361	1136.4000	100+00 XSEC 11
447	944076.2299	581782.6367	1136.4000	100+04
448	944075.4342	581736.6436	1100.7000	100+50
449	944075.2266	581724.6454	1100.8000	100+62
450	944073.6352	581632.6592	1099.9000	101+54
451	944072.8914	581589.6656	1099.4000	101+97
452	944072.8049	581584.6663	1101.2000	102+02
453	944072.6665	581576.6675	1099.4000	102+10
454	944071.7497	581523.6755	1098.4000	102+63
455	944071.4037	581503.6785	1098.2000	102+83
456	944070.4523	581448.6867	1100.1000	103+38
457	944070.4523	581448.6867	1105.9000	103+90
458	944069.1377	581372.6981	1110.8000	104+14
459	944068.8955	581358.7002	1110.8000	104+28
460	944067.6500	581286.7109	1112.7000	105+00
461	944067.0100	581249.7165	1108.1000	105+37
462	944064.9169	581128.7346	1103.1000	106.58
463	944064.6747	581114.7367	1103.4000	106+72
464	944064.5190	581105.7380	1104.5000	106+81
465	944063.7752	581062.7444	1105.3000	107+24
466	944063.5504	581049.7464	1105.3000	107+37
467	944063.1006	581023.7503	1106.4000	107+63
468	944062.0627	580963.7593	1106.7000	108+23
469	944061.5957	580936.7633	1105.4000	108+50
470	944060.3502	580864.7741	1104.6000	109+22
471	944059.9004	580838.7780	1102.6000	109+48
472	944059.9004	580838.7780	1102.6000	109.48
473	944059.6410	580823.7802	1103.7000	109+63
474	944059.4161	580810.7821	1103.4000	109+76
475	944059.2085	580798.7839	1104.6000	109+88
476	944058.7934	580774.7875	1106.1000	110+12
477	944058.5685	580761.7895	1107.8000	110+25
478	944057.3403	580690.8001	1107.8000	110+96
479	944055.5413	580586.8157	1107.8000	112+00

480	944053.7423	580482.8312	1108.4000	113+04
481	944051.9779	580380.8465	1108.4000	114+06
482	944050.2135	580278.8617	1108.6000	115+08
483	944048.2761	580166.8785	1107.8000	116+20
484	944046.5809	580068.8932	1106.9000	117+18
485	944045.5949	580011.9017	1106.2000	117+75
486	944044.5397	579950.9108	1102.7000	118+36
487	944044.1937	579930.9138	1102.3000	118+56
488	944044.1937	579930.9138	1103.2000	119+04
489	944041.6682	579784.9357	1104.5000	120+02
490	944040.3708	579709.9469	1104.8000	120+77
491	944039.7481	579673.9523	1104.9000	121+13
492	944039.6097	579665.9535	1103.7000	121+21
493	944039.2465	579644.9566	1104.1000	121+42
494	944039.0735	579634.9581	1105.6000	121+52
495	944038.2605	579587.9651	1108.2000	121+99
496	944036.5998	579491.9795	1106.5000	122+95
497	944034.9046	579393.9942	1106.9000	123+93
498	944034.2300	579355.0000	1107.5000	END XSEC11 AF34
499	912464.9370	581878.0520	1032.4400	100+00 XSEC 12
500	912463.1690	581778.0676	1033.9400	101+00
501	912461.4010	581678.0833	1034.8400	102+00
502	912459.6329	581578.0989	1035.7400	103+00
503	912457.8649	581478.1145	1036.5400	104+00
504	912456.0969	581378.1302	1037.0400	105+00
505	912454.3289	581278.1458	1037.5400	106+00
506	912452.5608	581178.1614	1038.0400	107+00
507	912450.7928	581078.1770	1038.2400	108+00
508	912449.0248	580978.1927	1038.4400	109+00
509	912447.2568	580878.2083	1038.4400	110+00
510	912445.4887	580778.2239	1038.3400	111+00
511	912443.7207	580678.2396	1038.1400	112+00
512	912441.9527	580578.2552	1037.8400	113+00
513	912440.1847	580478.2708	1037.4400	114+00
514	912438.4166	580378.2865	1036.8400	115+00
515	912436.6486	580278.3021	1036.1400	116+00
516	912434.8806	580178.3177	1035.3400	117+00
517	912433.1126	580078.3334	1034.4400	118+00
518	912136.5267	563305.9554	1033.8400	118+575
519	912431.3446	579978.3490	1032.9400	119+00 END SECT
520	907476.5730	580415.6280	1011.5000	100+00 XSEC 13
521	907477.7813	580394.6628	1011.3000	100+21
522	907478.6444	580379.6876	1012.0000	100+36
523	907479.1623	580370.7026	1010.9000	100+45
524	907482.9599	580304.8119	1010.8000	101+11
525	907485.5492	580259.8865	1008.1000	101+56
526	907488.8290	580202.9809	1006.9000	102+13
527	907494.1802	580110.1350	1005.7000	103+06
528	907498.8985	580028.2708	1006.0000	103+88
529	907503.5016	579948.4034	1004.9000	104+68
530	907503.9620	579940.4166	1002.8000	104+76
531	907504.8826	579924.4431	1004.5000	104+92
532	907509.2556	579848.5691	1004.1000	105+68
533	907512.9957	579783.6767	1006.3000	106+33
534	907520.3608	579655.8888	1005.3000	107+61
535	907523.5255	579600.9799	1014.4000	108+16
536	907527.4870	579532.2740	1015.7300	108+84.82
537	907528.4739	579515.1224	1015.7000	109+02
538	907531.2934	579466.2036	1002.7000	109+51
539	907536.2418	579380.3461	1002.3000	110+37
540	907541.1902	579294.4886	1002.0000	111+23
541	907543.2617	579258.5482	1002.9000	111+59
542	907543.4918	579254.5548	1001.7000	111+63
543	907545.7934	579214.6211	1001.7000	112+03
544	907546.0236	579210.6277	1002.8000	112+07

545	907547.7498	579180.6774	1004.1000	112+37	
546	907548.2101	579172.6907	1002.3000	112+45	
547	907553.6764	579077.8481	1002.4000	113+40	
548	907558.3371	578996.9823	1004.6000	114+21	
549	907559.2002	578982.0071	1000.5000	114+36	
550	907559.8331	578971.0254	1000.7000	114+47	
551	907560.2934	578963.0386	1002.3000	114+55	
552	907565.8173	578867.1977	1002.0000	115+51	
553	907571.5137	578768.3617	999.5000	116+50	
554	907574.4482	578717.4462	1002.0000	117+01	
555	907576.5772	578680.5075	1002.0000	117+38	
556	907580.1447	578618.6102	1002.7000	118+00	
557	907585.6110	578523.7676	1002.4000	118+95	
558	907591.1923	578426.9283	1002.2000	119+92	
559	907596.7162	578331.0874	1002.4000	120+88	
560	907602.7003	578227.2597	1001.0000	121+92	
561	907608.1090	578133.4154	1001.8000	122+86	
562	907613.7479	578035.5778	1001.6000	123+84	
563	907619.0416	577943.7302	1001.0000	124+76	
564	907624.2202	577853.8793	1000.5000	125+66	
565	907626.2341	577818.9373	1001.4000	126+01	
566	907627.1547	577802.9638	1015.1200	126+17	END SECT
567	963230.5034	579706.5049	1176.9000	100+00	SEC 14
568	963230.6463	579705.5152	1170.9000	100+01	
569	963231.9324	579696.6075	1170.8000	100+10	
570	963233.7900	579683.7409	1166.4000	100+23	
571	963243.3642	579617.4285	1167.6000	100+90	
572	963249.0801	579577.8390	1164.3000	101+30	
573	963254.0815	579543.1982	1162.0000	101+65	
574	963259.7974	579503.6087	1160.6000	102+05	
575	963268.6571	579442.2450	1162.6000	102+67	
576	963273.3727	579409.5837	1165.1000	103+00	
577	963285.6619	579324.4662	1164.1000	103+86	
578	963291.8065	579281.9075	1162.7000	104+29	
579	963297.6653	579241.3283	1163.8000	104+70	
580	963302.2380	579209.6567	1163.1000	105+02	
581	963304.5244	579193.8209	1161.9000	105+18	
582	963305.2389	579188.8722	1162.9000	105+23	
583	963306.2392	579181.9440	1161.0000	105+30	
584	963316.2420	579112.6624	1162.6000	106+00	
585	963320.8147	579080.9908	1160.6000	106+32	
586	963324.8158	579053.2782	1162.1000	106+60	
587	963330.5318	579013.6887	1162.4000	107+00	
588	963332.2465	579001.8118	1163.4000	107+12	
589	963334.8187	578983.9965	1162.1000	107+30	
590	963347.9653	578892.9407	1163.9000	108+22	
591	963363.6840	578784.0696	1162.5000	109+32	
592	963369.8286	578741.5109	1159.3000	109+75	
593	963372.9724	578719.7366	1161.8000	109+97	
594	963379.5456	578674.2087	1160.5000	110+43	
595	963381.5462	578660.3524	1161.8000	110+57	
596	963384.1184	578642.5371	1160.6000	110+75	
597	963396.9792	578553.4607	1161.7000	111+65	
598	963409.9828	578463.3946	1159.4000	112+56	
599	963415.2701	578426.7743	1161.5000	112+93	
600	963419.2712	578399.0617	1159.8000	113+21	
601	963422.2720	578378.2772	1161.1000	113+42	
602	963435.5615	578286.2316	1159.6000	114+35	
603	963440.4200	578252.5806	1158.5000	114+69	
604	963446.4217	578211.0116	1159.1000	115+11	
605	963449.8513	578187.2579	1166.4000	115+35	
606	963465.5700	578078.3868	1166.6000	116+45	
607	963478.5737	577988.3206	1165.8000	117+36	
608	963494.0067	577881.4290	1165.6000	118+44	
609	963508.1535	577783.4450	1163.9000	119+43	

610	963520.7285	577696.3481	1165.4000	120+31	
611	963525.7299	577661.7073	1164.7000	120+66	
612	963538.7336	577571.6412	1167.0900	121+57	
613	963552.8805	577473.6572	1165.8000	122+56	
614	963567.8847	577369.7347	1166.1000	123+61	
615	963572.7433	577336.0837	1160.0000	123+95	
616	963585.8899	577245.0278	1159.9000	124+87	
617	963598.6077	577156.9412	1160.6000	125+76	
618	963614.3265	577048.0701	1160.9000	126+86	
619	963619.6137	577011.4498	1164.9000	127+23	
620	963627.7589	576955.0347	1165.2000	127+80	
621	963629.9023	576940.1887	1160.7000	127+95	
622	963630.6168	576935.2400	1160.4000	128+00	
623	963632.4745	576922.3734	1160.7000	128+13	
624	963636.6185	576893.6710	1184.6000	128+42	
625	963637.9046	576884.7634	1184.8000	128+51.32	
626	938805.7318	581380.3959	1117.9500	100+00	XSEC 15
627	938805.7527	581377.3960	1117.9000	100+03	
628	938806.1504	581320.3974	1097.2000	100+60	
629	938806.9178	581210.4000	1095.4000	101+70	
630	938807.6712	581102.4027	1094.9000	102+78	
631	938808.0898	581042.4041	1094.4000	103+38	
632	938808.1526	581033.4043	1092.0000	103+47	
633	938808.2433	581020.4047	1094.8000	103+60	
634	938808.7107	580953.4063	1095.8000	104+37	
635	938808.8433	580934.4068	1093.8000	104+46	
636	938808.9130	580924.4070	1096.1000	104+56	
637	938809.6177	580823.4095	1093.0000	105+57	
638	938810.3502	580718.4120	1093.5000	106+62	
639	938810.4758	580700.4124	1094.8000	106+8	
640	938811.2083	580595.4150	1093.4000	107+85	
641	938811.9617	580487.4176	1092.8000	108+93	
643	938812.7225	580378.4203	1093.1000	110+02	
644	938813.9430	580203.4245	1092.6000	111+77	
645	938814.0058	580194.4248	1091.4000	111+86	
646	938814.1733	580170.4253	1093.7000	112+10	
647	938814.9546	580058.4281	1094.6000	113+22	
648	938815.6732	579955.4306	1095.6000	114+25	
649	938816.3987	579851.4331	1093.3000	115+29	
650	938817.2010	579736.4359	1092.2000	116+41	
651	938817.9266	579632.4384	1093.3000	117+48	
652	938818.6940	579522.4411	1094.4000	118+58	
653	938819.2102	579448.4429	1095.5000	119+32	
654	938819.4195	579418.4436	1089.2000	119+62	
655	938820.1248	579317.4461	1089.4000	120+63	
666	938820.8357	579215.4486	1089.6000	121+65	
667	938821.4915	579121.4509	1089.5000	122+59	
668	938821.5683	579110.4511	1089.0000	122+70	
669	938821.9729	579052.4526	1087.7000	123+28	
670	938822.1403	579028.4531	1084.7000	123+52	
671	938822.4473	578984.4542	1087.8000	123+96	
672	938823.1379	578885.4566	1089.5000	124+95	
673	938823.8844	578778.4592	1089.8000	126+02	
674	938824.5960	578676.4617	1089.3000	127+04	
675	938825.2867	578577.4641	1086.5000	128+03	
676	938825.4053	578560.4645	1084.3000	128+20	
677	938825.7332	578513.4657	1084.0000	128+67	
678	938825.8239	578500.4660	1086.1000	128+80	
679	938826.6331	578384.4688	1085.8000	129+96	
680	938826.8285	578356.4695	1091.9000	130+24	END SEC15
681	922872.5743	584466.0350	1057.9700	100+00	XSEC 16
682	922873.3209	584366.0378	1056.3700	101+00	
683	922874.0675	584266.0406	1055.1700	102+00	
684	922874.8141	584166.0434	1054.4700	103+00	
685	922875.5607	584066.0461	1053.5700	104+00	

686	922876.3073	583966.0489	1054.3400	105+00
687	922877.0539	583866.0517	1054.4400	106+00
688	922877.8005	583766.0545	1054.6400	107+00
689	922878.5471	583666.0573	1054.6400	108+00
690	922879.2938	583566.0601	1054.6400	109+00
691	922880.0404	583466.0629	1055.0400	110+00
692	922880.7870	583366.0657	1055.3400	111+00
693	922881.5336	583266.0684	1055.3400	112+00
694	922882.2802	583166.0712	1055.0400	113+00
695	922883.0268	583066.0740	1054.9400	114+00
696	922883.7734	582966.0768	1054.7400	115+00
697	922884.5200	582866.0796	1054.4050	116+00
698	922885.2666	582766.0824	1054.3050	117+00
699	922886.0132	582666.0852	1054.2050	118+00
700	922886.7598	582566.0880	1054.1050	119+00
701	922887.5064	582466.0907	1053.8050	120+00
702	922888.2530	582366.0935	1053.4200	121+00
703	922888.9996	582266.0963	1053.9200	122+00
704	922889.7462	582166.0991	1053.6200	123+00
705	922890.4928	582066.1019	1054.2200	124+00
706	922891.2395	581966.1047	1054.2200	125+00
707	922891.9861	581866.1075	1054.6100	126+00
708	922892.7327	581766.1103	1054.6100	127+00
709	922893.4793	581666.1130	1054.9100	128+00
710	922894.2259	581566.1158	1054.0100	129+00
711	922894.9725	581466.1186	1054.7100	130+00
712	922895.7191	581366.1214	1054.7450	131+00
713	922896.4657	581266.1242	1054.6450	132+00
714	922897.2123	581166.1270	1054.5450	133+00
715	922897.9571	581066.1604	1053.8450	134+00
716	922898.6920	580966.1631	1053.6450	135+00
717	922899.4270	580866.1658	1053.8150	136+00
718	922900.1620	580766.1685	1053.5150	137+00
719	922900.8969	580666.1712	1054.4150	138+00
720	922901.6319	580566.1739	1054.6150	139+00
721	922902.3669	580466.1766	1054.6150	140+00
722	922903.1018	580366.1793	1054.4150	141+00
723	922903.8368	580266.1820	1054.4150	142+00
724	922904.5718	580166.1847	1054.1150	143+00
725	922905.3068	580066.1874	1054.0150	144+00
726	922906.0417	579966.1901	1053.9150	145+00
727	922906.7767	579866.1928	1053.8850	146+00
728	922907.5117	579766.1955	1053.6850	147+00
729	922908.2466	579666.1982	1053.5850	148+00
730	922908.9816	579566.2009	1053.3850	149+00
731	922909.7166	579466.2036	1053.7850	150+00
732	922910.4516	579366.2063	1053.8850	151+00
733	922910.5618	579351.2067	1054.3850	151+15ENDXSEC16
734	917590.8042	582771.7353	1042.5500	100+00 XSEC 17
735	917591.1078	582756.7384	1042.1000	100+15
736	917591.5935	582732.7433	1035.3000	100+39
737	917591.8162	582721.7455	1035.1000	100+50
738	917592.2615	582699.7500	1029.7000	100+72
739	917592.4638	582689.7521	1029.8000	100+82
740	917592.9698	582664.7572	1035.3000	101+07
741	917593.0306	582661.7578	1035.4000	101+10
742	917593.2330	582651.7599	1033.5000	101+20
743	917593.4353	582641.7619	1033.4000	101+30
744	917593.6377	582631.7640	1036.0000	101+40
745	917593.8806	582619.7664	1036.7000	101+52
746	917596.0665	582511.7886	1035.8000	102+60
747	917596.7546	582477.7955	1035.3000	102+94
748	917597.0987	582460.7990	1034.7000	103+11
749	917597.4630	582442.8027	1036.0000	103+29
750	917599.6489	582334.8248	1035.3000	104+37

751	917600.1347	582310.8297	1035.2000	104+61
752	917600.3168	582301.8316	1034.8000	104+70
753	917600.4787	582293.8332	1035.4000	104+78
754	917602.7051	582183.8557	1033.8000	105+88
755	917604.9112	582074.8781	1034.0000	106+97
756	917605.8017	582030.8871	1034.0000	107+41
757	917605.9434	582023.8885	1032.9000	107+48
758	917606.0649	582017.8898	1034.0000	107+54
759	917606.6113	581990.8953	1034.8000	107+81
760	917607.1173	581965.9004	1032.6000	108+06
761	917607.7245	581935.9065	1034.2000	108+36
762	917608.0079	581921.9094	1032.9000	108+50
763	917608.3114	581906.9125	1034.0000	108+65
764	917610.4771	581799.9344	1036.0000	109+72
765	917612.8046	581684.9580	1035.7000	110+87
766	917615.0917	581571.9811	1035.3000	112+00
767	917615.1929	581566.9821	1034.3000	112+05
768	917615.3346	581559.9836	1035.0000	112+12
769	917617.7026	581443.0075	1034.7000	113+29
770	917618.1479	581421.0120	1035.2000	113+51
771	917620.2326	581318.0331	1035.6000	114+54
772	917622.3780	581212.0549	1035.8000	115+60
773	917622.4994	581206.0561	1034.3000	115+66
774	917622.6208	581200.0573	1034.4000	115+72
775	917622.7423	581194.0585	1035.8000	115+78
776	917624.0578	581129.0719	1036.6000	116+43
777	917624.4019	581112.0753	1034.4000	116+60
778	917624.8674	581089.0800	1032.9000	116+83
779	917625.4139	581062.0856	1031.7000	117+10
780	917626.0211	581032.0917	1034.5000	117+40
781	917628.1462	580927.1132	1033.6000	118+45
782	917630.2916	580821.1349	1033.5000	119+51
783	917632.1739	580728.1540	1034.3000	120+44
784	917634.0562	580635.1730	1029.6000	121+37
785	917635.9790	580540.1925	1030.9000	122+32
786	917637.1529	580482.2044	1030.5000	122+90
787	917637.7600	580452.2105	1030.4000	123+20
788	917640.0269	580340.2335	1029.2000	124+32
789	917642.2128	580232.2556	1029.4000	125+40
790	917644.1962	580134.2757	1025.8000	126+38
791	917646.2404	580033.2964	1025.3000	127+39
792	917648.3251	579930.3175	1024.7000	128+42
793	917649.2966	579882.3273	1034.5000	128+90
794	917651.7051	579763.3517	1027.9000	130+09
795	917654.1744	579641.3767	1026.0000	131+31
796	917655.6370	579569.3915	1034.7000	132+03ENDXSEC17