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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
FLOODPLAIN DELINEATION AND TOPOGRAPHIC MAPPING
FOR UNNAMED TRIBUTARY OF SKUNK CREEK WASH
FCD 96-05

SKUNK TANK TO ROCK AWAY HILLS ROAD

PHOTOGRAMMETRIC CONTROL
AND
TOPOGRAPHIC SURVEY

PROVIDED FOR:

McLAUGHLIN KMETTY ENGINEERS, LTD.
3501 NORTH 16th STREET
PHOENIX, ARIZONA 85016

PREPARED BY:

ALCOCER LAND SURVEYORS
3501 NORTH 16th STREET
PHOENIX, ARIZONA 85016

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
13168
RICHARD
ALCOCER
Date Signed 6-6-97
ARIZONA, U.S.A.

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Culvert Topo

ALCOCER LAND SURVEYORS

SURVEYOR'S REPORT

ALCOCER LAND SURVEYORS

(602) 263-7846
FAX (602) 263-0046

Alcocer Land Surveyors

3615 North 16th Street, Suite 1
Phoenix, Arizona 85016-6419

June 6, 1997

McLaughlin Kmetty Engineers, Ltd.
3501 N. 16th Street
Phoenix, Arizona 85016

Re: Unnamed Tributary to Skunk Creek, Floodplain Delineation Study
Surveyors Report

Attn: Frank Brown, P.E., Project Manager

The following is an account of the steps and procedures used to determine the horizontal and vertical coordinates of the panels/targets as required for the aerial mapping for this study.

1. Kick off meeting with McLaughlin Kmetty, Aerial Mapping Company and Alcocer Land Surveyors - we discussed the basis of our ground control, scheduling, formats and deliverables.

A. Meeting with Frank Brown, McLaughlin Kmetty Engineers, Ltd., he would ask M.F.C.D., if we could use horizontal and vertical control information from Montgomery Watson, who is in the process of completing Skunk Creek Floodplain Delineation Study, and is less than half mile to the west of our project. Collins/Piña Consulting Engineers was contacted to provide the field work. Some of their ground control points are in the area where our project begins.

B. The meeting with Bob Parks, Aerial Mapping Company, included the placement of panels, their sizes and flight lines, horizontal and vertical coordinates for the panels would be in ASCII file formatted in the following manner: PT#, N, E, Elev., Desc.

2. Placement of the panels was determined by a map given to us by Aerial Mapping Company and by getting an approximate latitude and longitude location from 7.5 minute series quad map and entering the latitude - longitude into a hand held GPS unit. The GPS unit was used in the field as a locating device giving us directions on where to place the panels on the ground.

3. American Engineering Company was contracted to determine the precise location of the panels. They utilized Trimble Navigation GPS Unit 4400 Total Station. This consists of a base station and two roving units. Raw data was post processed using TrimMap software. NGS triangulation station "Skunk" was initially used as a control point for the Montgomery Watson project to the west and we then used Points 2001, 1008 and 1009 of their points that were at the south end of our project and Points 2012, 2013 and 2014, being to the north of our project..

4. To verify vertical accuracies of the GPS values, bench circuit loops were run from Panel Point No.1009 (Collins/Piña). Along the way, Panels No. 1008 and 1002 were also tied into our bench circuit loops. We checked into all of our panels. FIRM map ERM's that were noted within our project were not reliable because they were road ground elevations, therefore we were unable to verify our elevations with any of them.

   The elevations obtained from our bench circuit for the mapping control panels were slightly different (±0.02') from those elevations produced by GPS. We ran the circuit to verify the vertical accuracy of GPS and make sure it meets the mapping standards required for this project. In this case, we held the elevations produced by our bench circuit to establish the ERM's for this project as required by FEMA 37 guidelines.

5. Field check cross sections were obtained at the locations requested by the engineer and the values withheld from Aerial Mapping Company as a means to verify the accuracy of the mapping. The maps have been checked and except for a few anomalies in areas of vegetation growth, we find the maps conform to standard accuracies.

6. All survey work meets or exceeds Federal Emergency Management Agency (FEMA) minimum criteria as defined in FEMA Document 37, Flood Insurance Study Guidelines and Specifications for Study Contractors, January 1995. This would include, but is not limited to: field control and verification of profiles by the ground survey profile procedure.

Alcocer Land Surveyors presents herewith the results of this work.

Sincerely,
ALCOCER LAND SURVEYORS

Richard Alcocer, R.L.S.

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
13168
RICHARD
ALCOCER
Date Signed 6-6-97
ARIZONA, U.S.A.

SCOPE OF WORK

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SCOPE OF WORK

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TASK 2 - DATA COLLECTION

2.1 The Consultant will collect and review pertinent data from the District and other outside sources. Data to be collected will include previous flood hazard reports for the study area; existing topographic mapping; historical flooding information; as-built plans for existing structures; FEMA Flood Hazard Boundary Maps and any Letters of Map Amendment and/or Revisions, and other pertinent information.

2.2 A written report summarizing the data collected will be submitted to the District for information purposes. A preliminary draft of this report is due within 60 days of Notice to Proceed.

TASK 3 - TOPOGRAPHIC MAPPING

3.1 An aerial survey subcontractor shall be retained by the Consultant as part of this contract. The Consultant will coordinate all the aerial surveying work with the aerial surveying subcontractor to ensure that the specifications of the aerial surveying work are met. The Consultant is responsible for ensuring that the topographic mapping completely covers the area of delineation. The accuracy of the mapping and quality control on surveys will be per FEMA Document 37, Flood Insurance Study Guidelines and Specifications for Study Contractors, January 1995.

3.2 Digital contour and planimetric data for this study will be developed and delivered according to the District's Digital Terrain Model Mapping Data Collection & Delivery Specifications, and the Data Delivery Specifications for the Hydrologic Information System (HIS), Revision 2.1, February 1996.

3.3 The Consultant shall use the Digital Terrain Model to develop topographic mapping with a contour interval of 2-feet, and horizontal scale of 1 inch = 200 feet, with spot elevations and/or 1-foot contours on all section line and mid-section line roads.

3.4 Ground Control:

a. The Consultant shall provide all survey control using 1983 NAD.

b. The Consultant shall systematically set panel points and establish horizontal and vertical control throughout the areas to be mapped for use in compilation by the aerial survey contractor. Where readily available, surveys will tie into the State Plane Coordinate System. Field control will be sufficient to readily allow for compilation of maps by the aerial survey contractor at the desired map scale and contour interval, and will be based on the National Geodetic Vertical Data of 1929 (NGVD 29). The Consultant will provide a conversion factor to the North American Vertical Datum of 1988 (NAVD 88), including documentation of how it was derived, to allow comparison of NGVD 29 elevations to NAVD 88 elevations. The documentation on the conversion factor will

be included in the Technical Data Notebook.

c. The horizontal and vertical control points shall be located and marked by the Consultant. The controls for the aerial mapping will be in sufficient numbers and will be in locations that will be compatible with the accuracy of the mapping requirements. The controls will be of at least third order accuracy. Section corners, quarter corners, and mid-section points will be used for control points wherever possible.

3.5 The Consultant will provide permanent non-erasable topographic mylars of the work study drawings. The drawings will be 24" X 36" in size, with a horizontal scale of 1 inch = 200 feet and a contour interval of 2 feet for all mapping except section line roads, which will have a contour interval of 1 foot (or spot elevations). A cover sheet will be part of the work study drawings and shall have on it the project title, date of topographic mapping, and a location map showing geographic range covered by each specific mapping sheet. Each drawing will include the floodplain and floodway delineations, and a minimum of a north arrow, scale, section corners and quarter corners, current and proposed streets and highway names, State Plane Coordinate System, major drainage features, corporate boundaries, cross section lines, channel station center line, index map, the floodplain and floodway boundaries, computed water surface elevations, rate of flow, base flood elevations (BFE), and a description and elevation of each elevation reference mark (ERMs). A note explaining the proper means to convert the NGVD 29 elevations to NAVD 88 elevations shall be included in "NOTES" in the map border. See Section 5.0 of the Hydrologic Information System Data Delivery specifications for how the drawings are to be laid out. The mapping will have an accuracy such that ninety percent (90%) of all contours will be within one-half contour of the true elevations and the remaining ten percent (10%) of the contours will not be in error by more than one contour interval.

TASK 4 - FIELD SURVEY

4.1 Prepare topographic mapping with a contour interval of 2-feet and a horizontal scale of 1 inch = 200 feet, with spot elevations or 1 foot contours on all section line and mid-section line roads, for all floodplain/floodway delineation areas.

4.2 Ground Control for Floodplain Delineations:

4.2.1 All topographic mapping and survey work will meet or exceed Federal Emergency Management Agency (FEMA) minimum criteria as defined in FEMA Document 37, Flood Insurance Study Guidelines and Specifications for Study Contractors, January 1995. This includes, but is not limited to: the establishment of "permanent" elevation reference marks (ERMs); field control; and verification of profiles by the ground survey profile procedure.

4.2.2 Horizontal and Vertical Control: Systematically set panel points and establish horizontal and vertical control throughout the area to be mapped for use in compilation by the aerial survey contractor. Where readily available, surveys will tie into State Plane

Coordinate System 1983 NAD. Field control shall be sufficient, at least one "permanent" point per mile, such point(s) being used as Elevation Reference Marks (ERMs). Surveys will be based on the National Geodetic Vertical Datum of 1929 (NGVD 29), per FEMA guidelines. The Consultant will provide a conversion factor, including documentation of how it was derived, to allow comparison of NGVD 29 elevations to North American Vertical Datum 1988 (NAVD 88) elevations. The documentation on the conversion factor will be included in the Technical Data Notebook. "Permanent" survey points will consist of existing monuments, such as brass caps or similar survey monuments. Where additional monuments are needed, survey markers conforming to Maricopa Association of Governments (MAG) Uniform Standard Detail for Public Works Construction, detail 120-1, Type C, shall be placed 2" +/- above grade, and topped with a brass cap. Elevation Reference Marks will be labeled on available maps and described so that they can be easily located in the field.

4.2.3 All aerial targets are to be removed following completion of the topographic mapping.

4.3 The Consultant shall verify the accuracy of the mapping by the procedures called for in FEMA Document 37 or other methods approved by FEMA. This shall include the verification of cross sections used in the floodplain delineation.

4.4 Field surveys of bridges, culverts, and hydraulic structures are to be obtained by the Consultant when as-built plans are not available or when changes significant to the HEC-2 modeling, such as sedimentation, have occurred since the date of the as-built plan. This information should be reduced and compiled into an 11"x 17" (maximum size) drawing for inclusion in the final report. The information presented in the drawing should be in a format appropriate for use in the HEC-2 model. It may be necessary to field survey some structures since the as-built plans may not be on NGVD 29.

4.5 Copies of the survey field books and office calculations must be included in the Technical Data Notebooks. If District approval is obtained, this information can be submitted separately.

MAPPING CONTROL PANEL DETAIL

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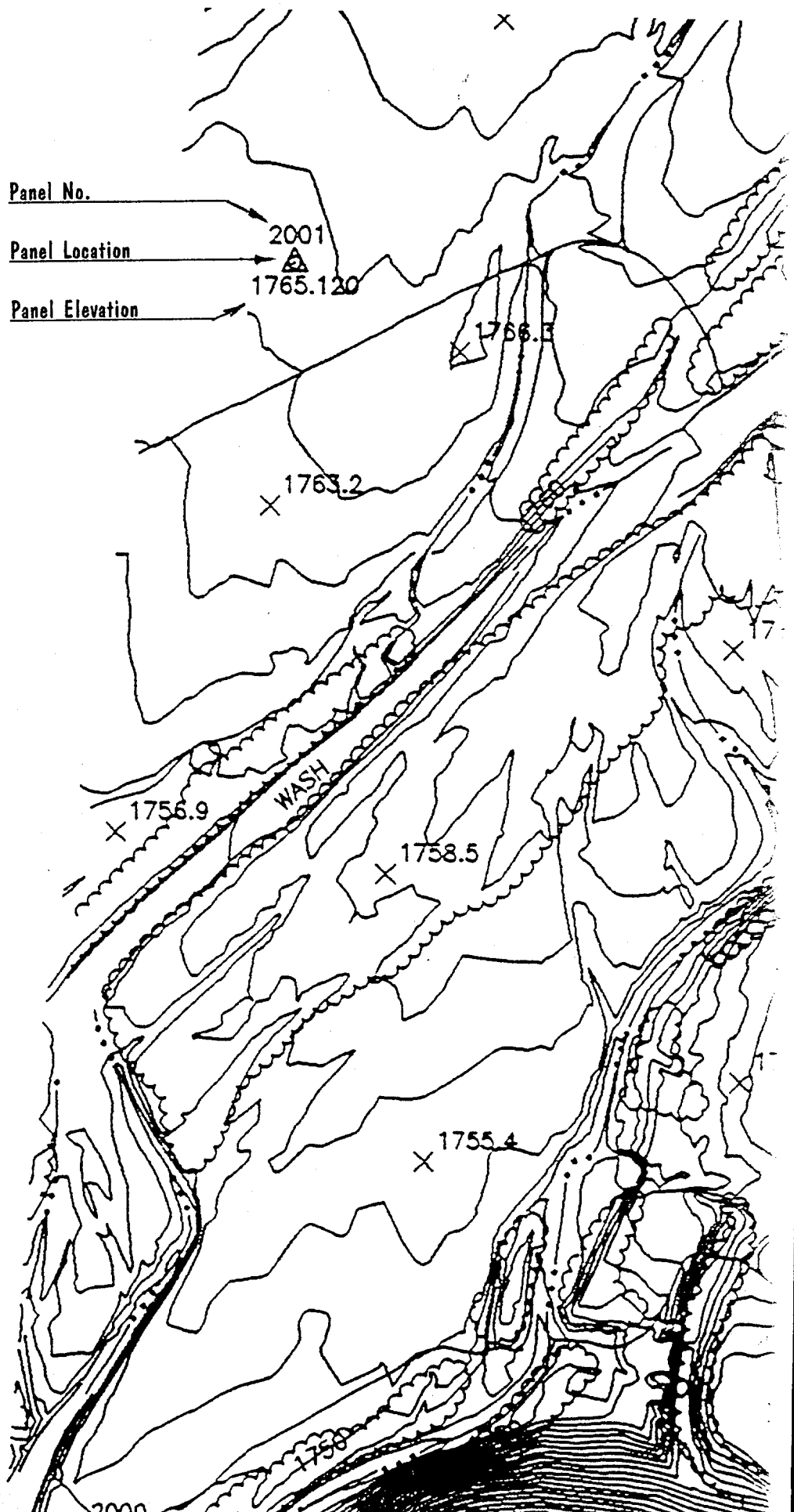
MAPPING CONTROL PANEL DETAIL



PANEL LAYOUT MAPS

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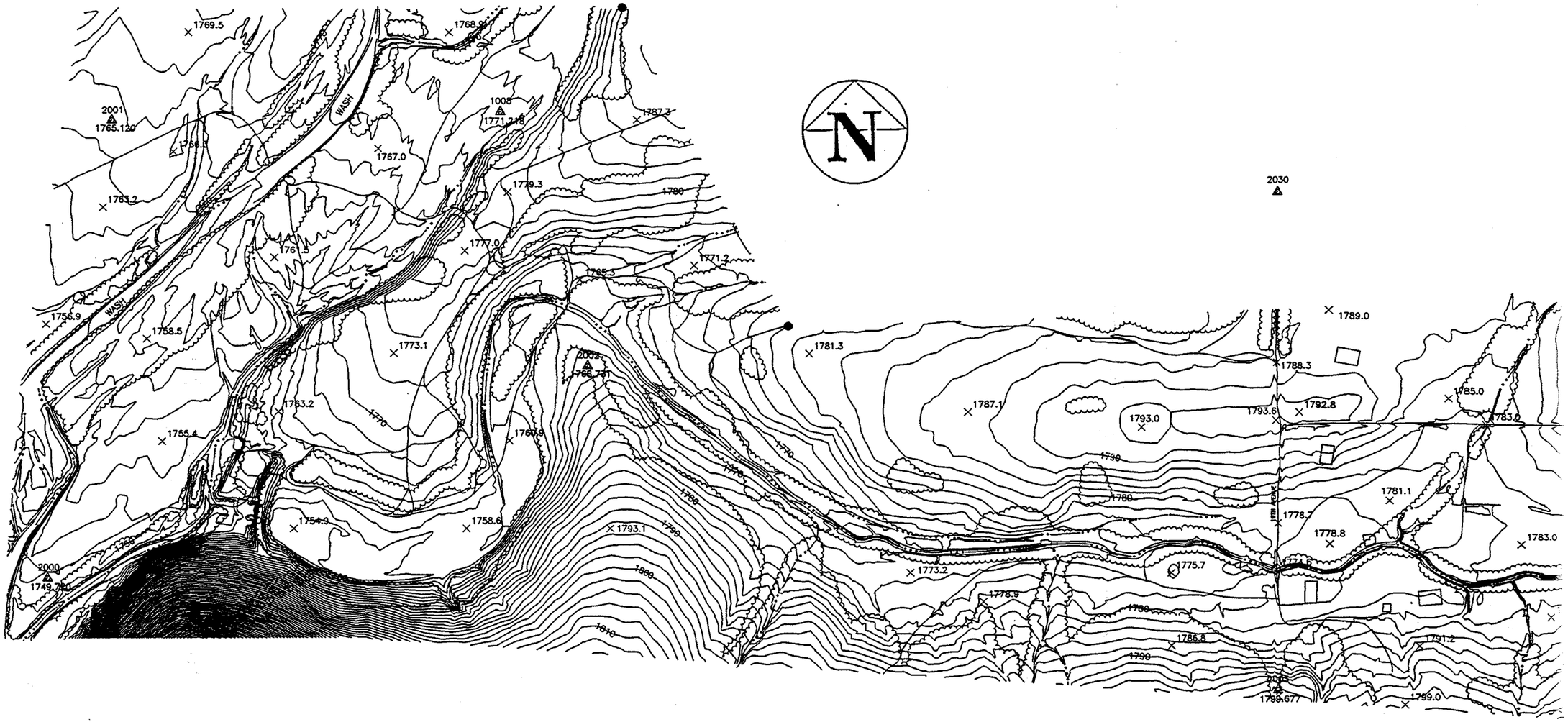
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2030
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1758.5
1773.1
1781.3
1789.0
1788.3
2002
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1793.0
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1755.4
1760.9
1790
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1778.8
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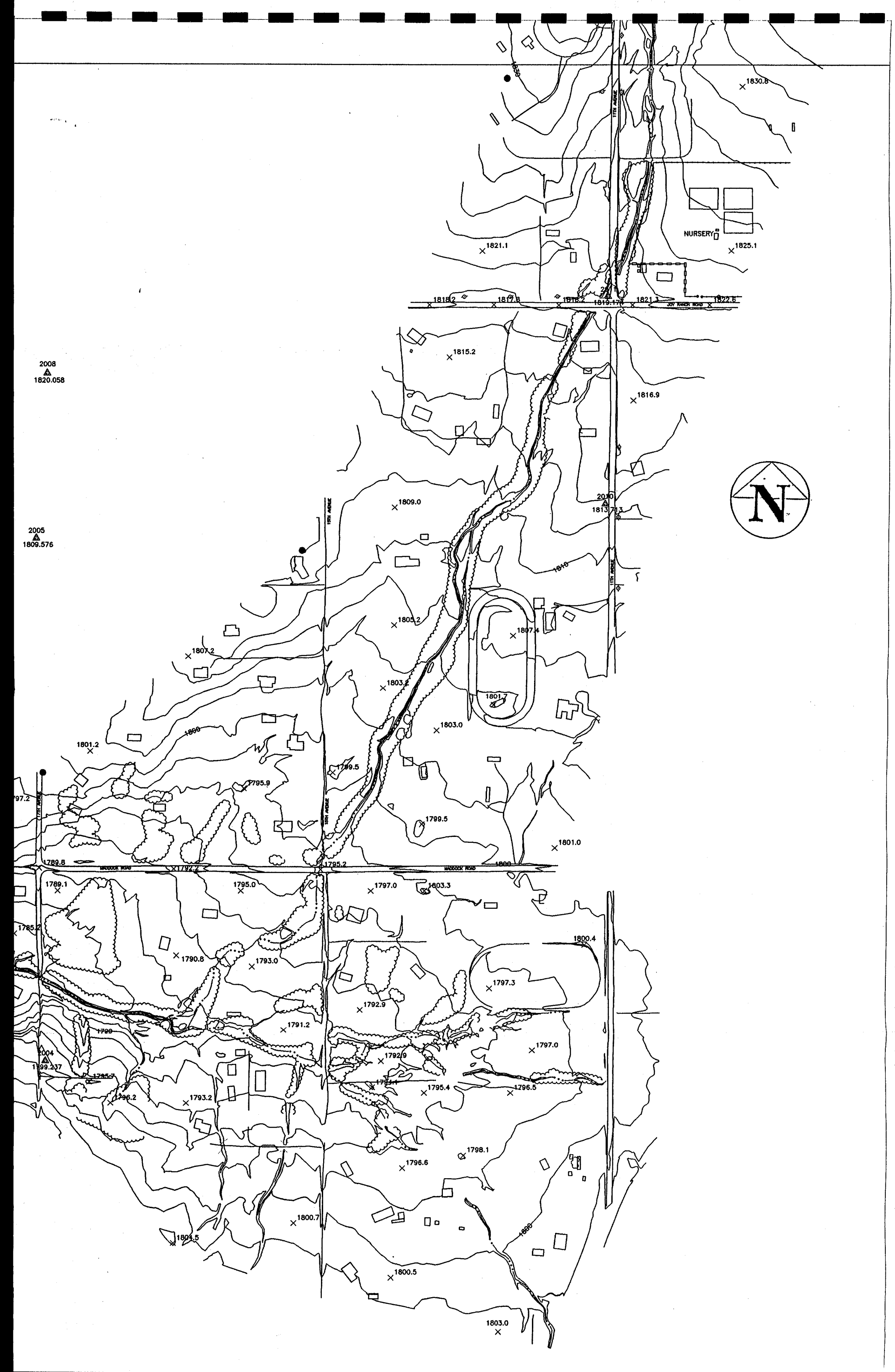
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1815.2
2008
1820.058
1816.9
N
1809.0
2010
1813.713
2005
1809.576
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1789.8
MADDOCK ROAD
1792.2
1795.2
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1785.2
1800.4
1790.8
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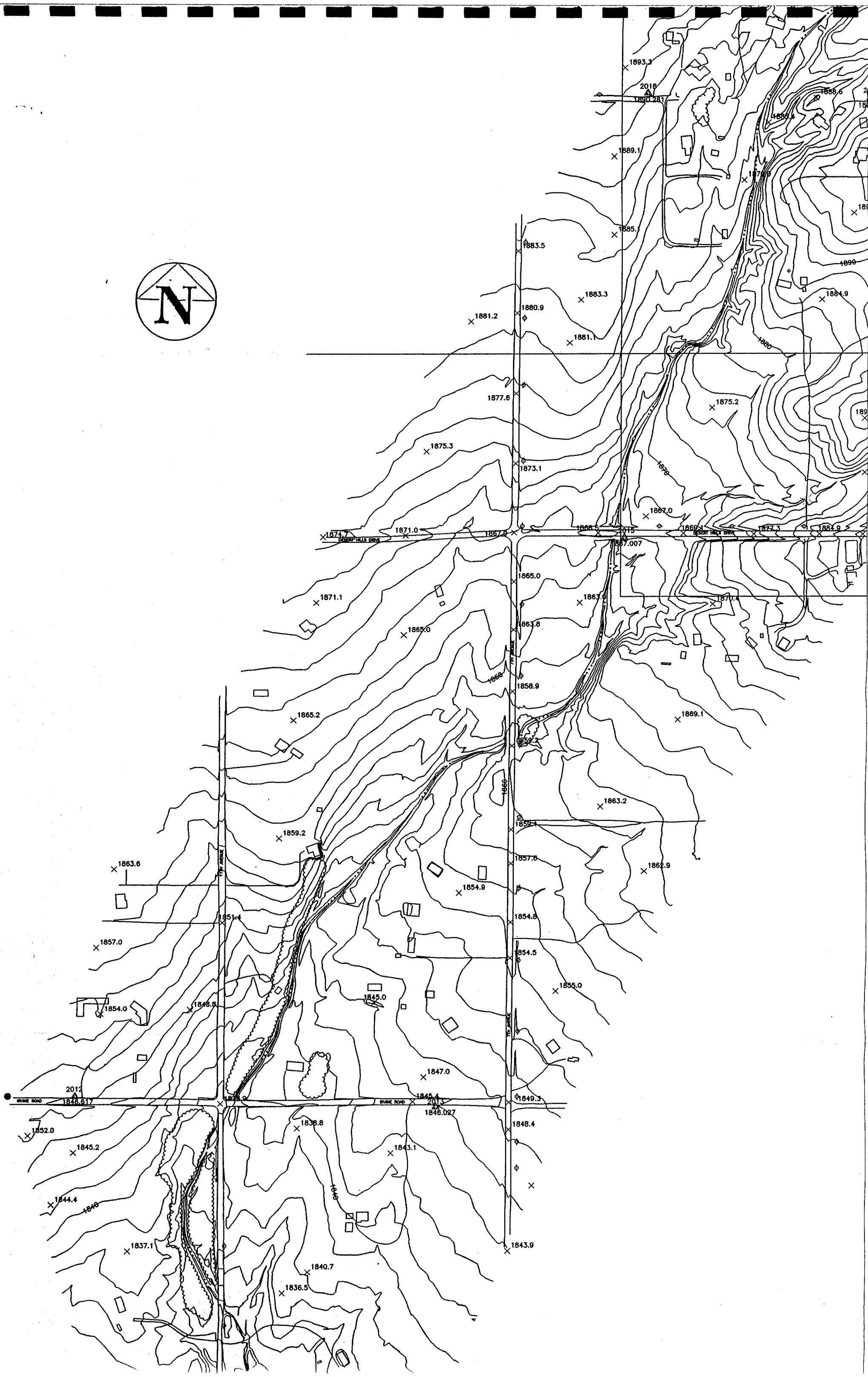
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1855.0
1854.0
1848.8
1845.0
1847.0
2012
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1845.4
2013
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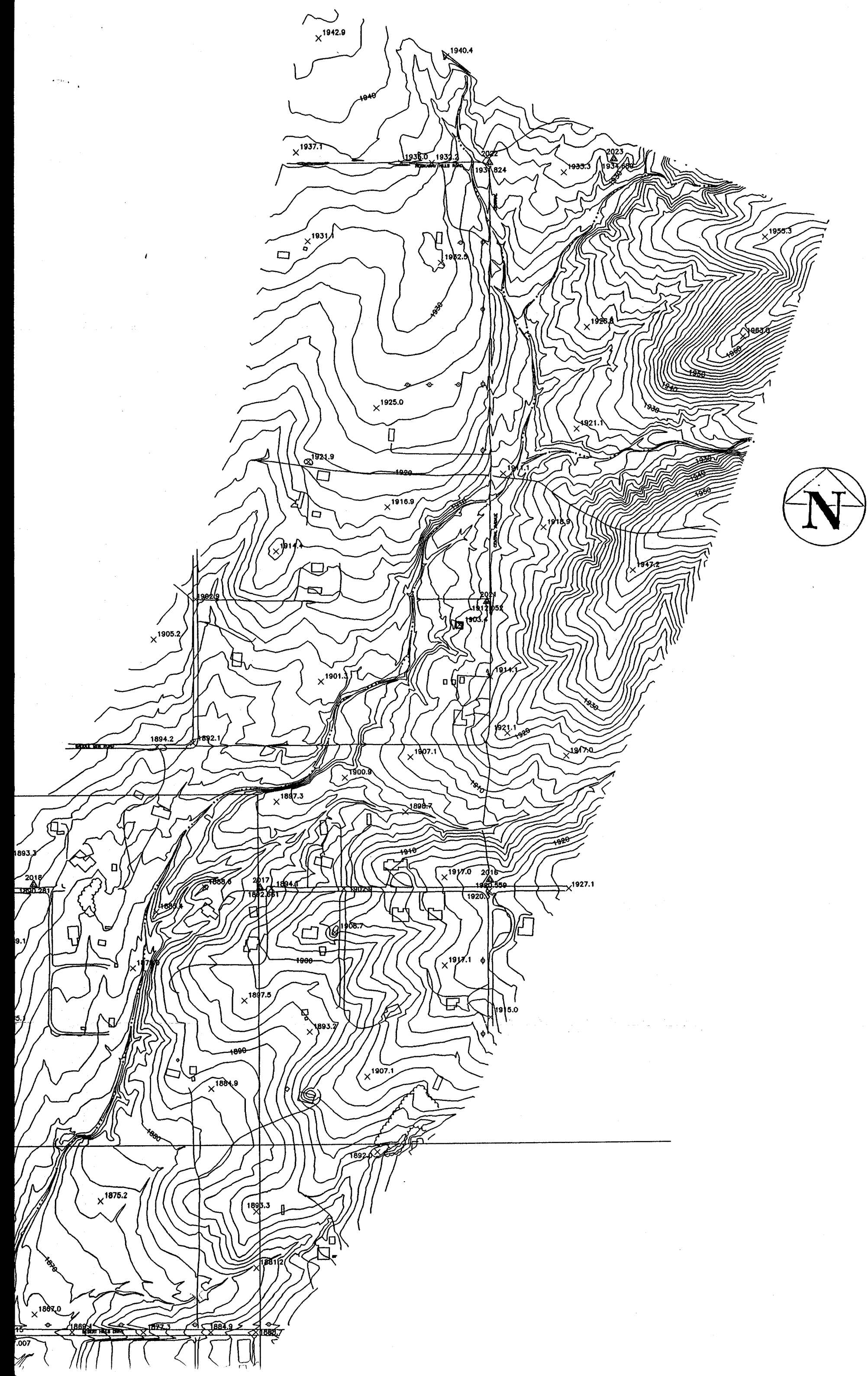
1840.7
1836.5
IRVINE ROAD
DESERT HILLS DRIVE
7TH AVENUE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1940
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1920
1911.1
1916.9
1918.9
1914.4
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1877.3
1884.9
1888.7

MAPPING CONTROL PANEL COORDINATES

ALCOCER LAND SURVEYORS

MAPPING CONTROL PANEL COORDINATES

SKU

Page

Job ID : SKU
Job name : SKU
Description : SKU
Reference : SKUNKCREEK
Field surveyor :
Computer operator :
Date printed : 01/07/97 10:59am

Pima/Collins Panel #

	Pt Name	Easting	Northing	Height	Code	Descriptior
	1	640231.991	1027297.117	1765.109	1/2 REBAR	2001
	2	641641.018	1028730.776	1780.349	GLO BC	1
	3	644277.308	1028728.123	1811.680	GLO BC	2
	4	652197.469	1034167.977	1904.584	1/2 RB	3
	5	649551.102	1034172.784	1867.475	1/2 RB	4
	6	649538.547	1031532.067	1849.141	CP	5
	7	649526.879	1028891.518	1823.918	CP	6
	8	646885.605	1028897.807	1816.119	RR SPIKE	7
	9	644277.752	1028902.035	1812.040	BC FLUSH	8
	10	644287.232	1031543.401	1814.478	BC FLUSH	9
	1000	649562.658	1036814.525	1902.152	GLO BC	1000
1008	1008	641575.837	1027325.466	1771.218	1/2 REBAR	1008
1009	1009	639075.283	1025512.152	1750.012	1/2 REBAR	1009
	2000	640000.243	1025730.680	1749.720	1/2 REBAR	2000
	~~2001~~	~~640231.667~~	~~1027297.265~~	~~1764.440~~	~~1/2 REBAR~~	~~2001~~
	2002	641874.041	1026454.675	1768.731	1/2 REBAR	2002
	2003	644272.099	1025349.050	1799.677	CPS	2003
	2004	645591.067	1025349.273	1799.237	1/2 REBAR	2004
	2005	645541.359	1027809.645	1809.567	1/2 REBAR	2005
	2007	646863.227	1024396.082	1802.542	1/2 REBAR	2007
	2008	645591.559	1028575.724	1820.058	NAIL	2008
	2009	648235.824	1026292.655	1802.539	1/2 REBAR	2009
	2010	648172.633	1027965.155	1813.713	NAIL	2010
	2011	648181.978	1028934.522	1819.174	1/2 RB	2011
	2012	647554.857	1031559.612	1848.617	1/2 RB	2012
	2013	649205.522	1031512.927	1846.027	NAIL	2013
	2014	650254.564	1031478.900	1854.141	1/2 RB	2014
	2015	650052.330	1034149.412	1867.007	1/2 RB	2015
	2016	652204.064	1036187.939	1920.559	1/2 RB	2016
	2017	651173.281	1036159.703	1892.661	NAIL	2017
	2018	650154.225	1036183.780	1890.281	NAIL	2018
	2019	649562.662	1036814.543	1902.115	GLO BC	2019
	2020	649548.341	1036817.892	1901.094	1/2 RB	2020
	2021	652194.354	1037462.588	1912.052	1/2 RB	2021
	2022	652216.480	1039446.996	1931.824	GLO BC	2022
	2023	652774.285	1039458.043	1934.689	NAIL	2023
	2024	653745.352	1038951.029	1975.029	1/2 RB	2024
	2025	650982.186	1040076.973	1952.266	1/2 RB	2025
	2026	650931.037	1039434.941	1938.932	NAIL	2026
2012	2027	650920.181	1044684.245	1989.657	1/2 RB	2027
2013	2028	649729.546	1044698.878	1966.565	1/2 RB	2028
2014	2029	648283.385	1044730.479	2008.135	1/2 RB	2029
	2000CK	640000.248	1025730.667	1749.734	1/2 REBAR	2000CK
	2001CK	640231.981	1027297.114	1765.120	1/2 REBAR	2001CK

RAW GPS DATA

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```
SC      V04      Copyright Trimble Navigation Ltd, 1995.
            Serial no 0            18-Dec-96 17:08
            Angle : Degrees        Dist : Feet            Press : Inch Hg
            Temp : Celsius         Coord : N-E-Elv        H.obs : Right

JOB         Job ID SKUNK CREEK
            Curvature :      No    Sea level crn :  No

NOTE   TS   Dec-16-96 14:34
```

```
NOTE    TS    Dec-16-96 14:35

LOCELL  KI    Erth Rad  20925646.325                Flattenin 298.25722

PROJ    KI    Undefined
              Orig Lat  <Null>                      Orig Nrth <Null>
              Orig Lng  <Null>                      Orig East <Null>
              Orig Hgt  <Null>                      Orig Elev <Null>
              Orient 1  0°00'00"                    Orient 2  0°00'00"
              Scale     1.000000000

DATUM   KI    None
              Srce Rad  20925646.325                Srce Flt  298.257224
              Rotatn X  0°00'00.0000"               Rotatn Y  0°00'00.0000"
              Rotatn Z  0°00'00.0000"               Transl X  0.000
              Transl Y  0.000                       Transl Z  0.000
              Scale     0.000

NOTE    SN    Distance: Feet

NOTE    SN    Angle: Degrees

NOTE    SN    Curvature: N

NOTE    SN    Coordinates: North-East-Elev

NOTE    SN    Sea level: N

NOTE    SN    North azimuth: 0-00'00"

NOTE    BA    Start base

NOTE    BA    Start base

EQUIP   BA    Receiver  7400MSi                     Serial    00016664
              Antenna   Compact L1/L2 w G/P         Serial
              Radius  0.76575       V.Const  0.02264    Tape adj  0.00000

SURVEY  BA    Elevation mask 15                     PDOP mask 6.000

GPSANT  BA    Antenna height 5.170                  Measuremt Uncorrected

GPSPOS  BA    Point ID     2003     Lat  33-49'05.91306"N Lng  112-06'01.38903"W
              Class Normal          Elv  1679.493          Code CPS
```

```
            Mthd User input       H.Pr <Null>          V.Pr <Null>

GPSANT BA   Antenna height 5.170                       Measuremt Uncorrected

GPSREF BA   Point ID     2003

NOTE   TP   Start rover

EQUIP  TP   Receiver  7400MSi                          Serial     00016756
            Antenna   Compact L1/L2                    Serial     02200692
            Radius  0.00000       V.Const  0.20505    Tape adj  0.00000

SURVEY TP   Elevation mask 15                          PDOP mask 6.000

GPSANT SI   Antenna height 5.135                       Measuremt True vertical

GPSREF SI   Point ID     2003

INIT   SI   Init event    Gained                       Week           884
            Init type     OTF                          seconds        138724.000
            Init counter  1                            Point ID
            Survey type   Real time                    Plate H.Dist   <Null>
            Plate V.Dist  <Null>                       Plate azimuth  <Null>

INIT   SI   Init event    Lost                         Week           884
            Init type     None                         seconds        139287.000
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            Plate V.Dist  <Null>                       Plate azimuth  <Null>

INIT   SI   Init event    Gained                       Week           884
            Init type     OTF                          seconds        139314.000
            Init counter  2                            Point ID
            Survey type   Real time                    Plate H.Dist   <Null>
            Plate V.Dist  <Null>                       Plate azimuth  <Null>

NOTE   TS   Dec-16-96 14:53

GPSANT TP   Antenna height 6.560                       Measuremt Uncorrected

GPSVEC TP   Point ID       2002                        Code       1/2 REBAR
            Azimuth    N65°21'36W
            H.dist     2641.121                        H.Prec     0.029
            V.dist     -29.318                         V.Prec     0.026
            Class      Normal                          Mthd       Phase differntl

INIT   SI   Init event    Cancelled                    Week           884
            Init type     None                         seconds        139425.000
            Init counter  2                            Point ID
            Survey type   Real time                    Plate H.Dist   <Null>
            Plate V.Dist  <Null>                       Plate azimuth  <Null>

INIT   SI   Init event    Failed                       Week           884
            Init type     Known pt                     seconds        139485.000
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		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	139516.000
		Init counter	4	Point ID	2002
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
NOTE	TS	Dec-16-96 15:13			
GPSVEC	TP	Point ID	1009	Code	1/2 REBAR
		Azimuth	N88°18'36W		
		H.dist	5200.280	H.Prec	0.031
		V.dist	-48.132	V.Prec	0.028
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	140586.000
		Init counter	4	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	140606.000
		Init counter	5	Point ID	1009
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Lost	Week	884
		Init type	None	seconds	140917.000
		Init counter	5	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	OTF	seconds	140972.000
		Init counter	6	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
GPSVEC	TP	Point ID	2000	Code	1/2 REBAR
		Azimuth	N85°00'00W		
		H.dist	4289.616	H.Prec	0.030
		V.dist	-48.396	V.Prec	0.029
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	141072.000
		Init counter	6	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>

INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	141088.000
		Init counter	7	Point ID	2000
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>

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GPSVEC	TP	Point ID	2000CK	Code	1/2 REBAR
		Azimuth	N85°00'00W		
		H.dist	4289.609	H.Prec	0.034
		V.dist	-48.382	V.Prec	0.032
		Class	Normal	Mthd	Phase differntl

INIT	SI	Init event	Lost	Week	884
		Init type	None	seconds	141277.000
		Init counter	7	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>

INIT	SI	Init event	Gained	Week	884
		Init type	OTF	seconds	141394.000
		Init counter	8	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>

INIT	SI	Init event	Lost	Week	884
		Init type	None	seconds	141424.000
		Init counter	8	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>

INIT	SI	Init event	Gained	Week	884
		Init type	OTF	seconds	141787.000
		Init counter	9	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>

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GPSVEC	TP	Point ID	2001	Code	1/2 REBAR
		Azimuth	N64°21'36W		
		H.dist	4486.384	H.Prec	0.046
		V.dist	-33.608	V.Prec	0.055
		Class	Normal	Mthd	Phase differntl

INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	143675.000
		Init counter	9	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>

INIT	SI	Init event	Failed	Week	884
		Init type	Known pt	seconds	143701.000

		Init counter	9	Point ID	2001
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Failed	Week	884
		Init type	Known pt	seconds	143748.000
		Init counter	9	Point ID	2001
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Failed	Week	884
		Init type	Known pt	seconds	143948.000
		Init counter	9	Point ID	2001
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	OTF	seconds	144070.000
		Init counter	10	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	144203.000
		Init counter	10	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Failed	Week	884
		Init type	Known pt	seconds	144250.000
		Init counter	10	Point ID	2001
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	OTF	seconds	144344.000
		Init counter	11	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
NOTE	TS	Dec-16-96 16:17			
GPSVEC	TP	Point ID	2001	Code	1/2 REBAR
		Azimuth	N64°21'36W		
		H.dist	4486.028	H.Prec	0.031
		V.dist	-32.939	V.Prec	0.042
		Class	Normal	Mthd	Phase differntl
GPSVEC	TP	Point ID	2001CK	Code	1/2 REBAR
		Azimuth	N64°21'36W		
		H.dist	4486.035	H.Prec	0.033
		V.dist	-32.928	V.Prec	0.045
		Class	Normal	Mthd	Phase differntl

INIT	SI	Init event	Lost	Week	884
		Init type	None	seconds	144736.000
		Init counter	11	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	OTF	seconds	145146.000
		Init counter	12	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
NOTE	TS	Dec-16-96 16:30			
GPSVEC	TP	Point ID	1008	Code	1/2 REBAR
		Azimuth	N53°52'12W		
		H.dist	3343.642	H.Prec	0.017
		V.dist	-26.802	V.Prec	0.036
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	145178.000
		Init counter	12	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	145194.000
		Init counter	13	Point ID	1008
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Lost	Week	884
		Init type	None	seconds	145753.000
		Init counter	13	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	OTF	seconds	145823.000
		Init counter	14	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Lost	Week	884
		Init type	None	seconds	145880.000
		Init counter	14	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	OTF	seconds	145992.000
		Init counter	15	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>

		Plate V.Dist	<Null>	Plate azimuth	<Null>
NOTE	TS	Dec-16-96 16:43			
GPSVEC	TP	Point ID	1	Code	GLO BC
		Azimuth	N37°59'24W		
		H.dist	4285.447	H.Prec	0.021
		V.dist	-17.611	V.Prec	0.038
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	146006.000
		Init counter	15	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	146023.000
		Init counter	16	Point ID	1
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
NOTE		1 IS N 1/4 SEC 36			
INIT	SI	Init event	Lost	Week	884
		Init type	None	seconds	146195.000
		Init counter	16	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	OTF	seconds	146432.000
		Init counter	17	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
GPSVEC	TP	Point ID	2	Code	GLO BC
		Azimuth	N0°01'12"W		
		H.dist	3379.667	H.Prec	0.036
		V.dist	13.772	V.Prec	0.056
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	146522.000
		Init counter	17	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	146538.000
		Init counter	18	Point ID	2
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>

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NOTE          2 IS NE COR SEC 36

INIT    SI    Init event     Lost          Week           884
              Init type      None          seconds        146607.000
              Init counter   18            Point ID
              Survey type    Real time     Plate H.Dist   <Null>
              Plate V.Dist   <Null>        Plate azimuth  <Null>

INIT    SI    Init event     Gained        Week           884
              Init type      OTF           seconds        146657.000
              Init counter   19            Point ID
              Survey type    Real time     Plate H.Dist   <Null>
              Plate V.Dist   <Null>        Plate azimuth  <Null>

NOTE    TS    Dec-16-96 16:56

GPSVEC  TP    Point ID       2008          Code           NAIL
              Azimuth        N22°07'48E
              H.dist         3486.637      H.Prec         0.024
              V.dist         22.171        V.Prec         0.035
              Class          Normal        Mthd           Phase differntl

INIT    SI    Init event     Cancelled     Week           884
              Init type      None          seconds        146793.000
              Init counter   19            Point ID
              Survey type    Real time     Plate H.Dist   <Null>
              Plate V.Dist   <Null>        Plate azimuth  <Null>

INIT    SI    Init event     Gained        Week           884
              Init type      Known pt      seconds        146810.000
              Init counter   20            Point ID           2008
              Survey type    Real time     Plate H.Dist   <Null>
              Plate V.Dist   <Null>        Plate azimuth  <Null>

INIT    SI    Init event     Lost          Week           884
              Init type      None          seconds        146847.000
              Init counter   20            Point ID
              Survey type    Real time     Plate H.Dist   <Null>
              Plate V.Dist   <Null>        Plate azimuth  <Null>

INIT    SI    Init event     Gained        Week           884
              Init type      OTF           seconds        147012.000
              Init counter   21            Point ID
              Survey type    Real time     Plate H.Dist   <Null>
              Plate V.Dist   <Null>        Plate azimuth  <Null>

GPSVEC  TP    Point ID       2005          Code           1/2 REBAR
              Azimuth        N27°10'48E
              H.dist         2769.155      H.Prec         0.024
              V.dist         11.647        V.Prec         0.031
              Class          Normal        Mthd           Phase differntl

INIT    SI    Init event     Cancelled     Week           884
              Init type      None          seconds        147023.000
```

		Init counter	21	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	147040.000
		Init counter	22	Point ID	2005
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
GPSVEC	TP	Point ID	2004	Code	1/2 REBAR
		Azimuth	N89°52'48E		
		H.dist	1319.198	H.Prec	0.030
		V.dist	1.217	V.Prec	0.035
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	147333.000
		Init counter	22	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	147350.000
		Init counter	23	Point ID	2004
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Lost	Week	884
		Init type	None	seconds	147393.000
		Init counter	23	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	OTF	seconds	147715.000
		Init counter	24	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
NOTE	TS	Dec-16-96 17:14			
GPSVEC	TP	Point ID	2007	Code	1/2 REBAR
		Azimuth	S69°54'36E		
		H.dist	2761.294	H.Prec	0.037
		V.dist	4.507	V.Prec	0.035
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	147858.000
		Init counter	24	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>

INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	147882.000
		Init counter	25	Point ID	2007
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
GPSVEC	TP	Point ID	2009	Code	1/2 REBAR
		Azimuth	N76°30'00E		
		H.dist	4075.205	H.Prec	0.031
		V.dist	4.610	V.Prec	0.026
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	148302.000
		Init counter	25	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	148340.000
		Init counter	26	Point ID	2009
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
NOTE	TS	Dec-16-96 17:27			
GPSVEC	TP	Point ID	2010	Code	NAIL
		Azimuth	N56°02'24E		
		H.dist	4697.432	H.Prec	0.029
		V.dist	15.852	V.Prec	0.023
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	148638.000
		Init counter	26	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	148667.000
		Init counter	27	Point ID	2010
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
GPSVEC	TP	Point ID	2011	Code	1/2 RB
		Azimuth	N47°22'12E		
		H.dist	5305.900	H.Prec	0.035
		V.dist	21.354	V.Prec	0.026
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	148954.000
		Init counter	27	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>

		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	148980.000
		Init counter	28	Point ID	2011
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
NOTE	TS	Dec-16-96 17:39			
GPSVEC	TP	Point ID	2012	Code	1/2 RB
		Azimuth	N27°45'00E		
		H.dist	7026.008	H.Prec	0.045
		V.dist	50.892	V.Prec	0.033
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	149326.000
		Init counter	28	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	149353.000
		Init counter	29	Point ID	2012
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	High RMS	Week	884
		Init type	None	seconds	149358.000
		Init counter	29	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Good RMS	Week	884
		Init type	None	seconds	149359.000
		Init counter	29	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
GPSVEC	TP	Point ID	2013	Code	NAIL
		Azimuth	N38°34'12E		
		H.dist	7896.440	H.Prec	0.031
		V.dist	48.333	V.Prec	0.022
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	149641.000
		Init counter	29	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	149671.000

		Init counter	30	Point ID	2013
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
NOTE	TS	Dec-16-96 17:52			
GPSVEC	TP	Point ID	2014	Code	1/2 RB
		Azimuth	N44°12'00E		
		H.dist	8566.826	H.Prec	0.036
		V.dist	56.467	V.Prec	0.028
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	150109.000
		Init counter	30	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	150129.000
		Init counter	31	Point ID	2014
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
GPSVEC	TP	Point ID	2015	Code	1/2 RB
		Azimuth	N33°11'24E		
		H.dist	10530.721	H.Prec	0.037
		V.dist	69.439	V.Prec	0.040
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	150441.000
		Init counter	31	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	150464.000
		Init counter	32	Point ID	2015
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
NOTE	TS	Dec-16-96 18:03			
GPSVEC	TP	Point ID	2016	Code	1/2 RB
		Azimuth	N36°05'24E		
		H.dist	13433.558	H.Prec	0.027
		V.dist	123.118	V.Prec	0.031
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	150775.000
		Init counter	32	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>

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                Plate V.Dist  <Null>                Plate azimuth <Null>

INIT    SI      Init event    Gained               Week          884
                Init type     Known pt             seconds       150791.000
                Init counter  33                   Point ID          2016
                Survey type   Real time            Plate H.Dist  <Null>
                Plate V.Dist  <Null>               Plate azimuth <Null>

GPSVEC  TP      Point ID      2017                 Code      NAIL
                Azimuth     N32°27'00E
                H.dist      12827.855              H.Prec    0.029
                V.dist      95.198                 V.Prec    0.035
                Class       Normal                 Mthd      Phase differntl

INIT    SI      Init event    Cancelled            Week          884
                Init type     None                 seconds       151029.000
                Init counter  33                   Point ID
                Survey type   Real time            Plate H.Dist  <Null>
                Plate V.Dist  <Null>               Plate azimuth <Null>

INIT    SI      Init event    Gained               Week          884
                Init type     Known pt             seconds       151048.000
                Init counter  34                   Point ID          2017
                Survey type   Real time            Plate H.Dist  <Null>
                Plate V.Dist  <Null>               Plate azimuth <Null>

NOTE    TS      Dec-16-96 18:15

GPSVEC  TP      Point ID      2018                 Code      NAIL
                Azimuth     N28°23'24E
                H.dist      12330.602              H.Prec    0.028
                V.dist      92.799                 V.Prec    0.038
                Class       Normal                 Mthd      Phase differntl

INIT    SI      Init event    Cancelled            Week          884
                Init type     None                 seconds       151505.000
                Init counter  34                   Point ID
                Survey type   Real time            Plate H.Dist  <Null>
                Plate V.Dist  <Null>               Plate azimuth <Null>

INIT    SI      Init event    Gained               Week          884
                Init type     Known pt             seconds       151522.000
                Init counter  35                   Point ID          2018
                Survey type   Real time            Plate H.Dist  <Null>
                Plate V.Dist  <Null>               Plate azimuth <Null>

GPSVEC  TP      Point ID      1000                 Code      GLO BC
                Azimuth     N24°39'36E
                H.dist      12629.438              H.Prec    0.024
                V.dist      104.684                V.Prec    0.036
                Class       Normal                 Mthd      Phase differntl

GPSVEC  TP      Point ID      2019                 Code      GLO BC
                Azimuth     N24°39'36E
```

		H.dist	12629.456	H.Prec	0.022
		V.dist	104.647	V.Prec	0.034
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Lost	Week	884
		Init type	None	seconds	152088.000
		Init counter	35	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	OTF	seconds	152172.000
		Init counter	36	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
NOTE	TS	Dec-16-96 18:27			
GPSVEC	TP	Point ID	2020	Code	1/2 RB
		Azimuth	N24°36'00E		
		H.dist	12626.504	H.Prec	0.020
		V.dist	103.626	V.Prec	0.055
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	152245.000
		Init counter	36	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	152266.000
		Init counter	37	Point ID	2020
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	High RMS	Week	884
		Init type	None	seconds	152279.000
		Init counter	37	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Good RMS	Week	884
		Init type	None	seconds	152280.000
		Init counter	37	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
NOTE	TS	Dec-16-96 18:50			
GPSVEC	TP	Point ID	2021	Code	1/2 RB
		Azimuth	N33°04'48E		
		H.dist	14476.635	H.Prec	0.016
		V.dist	114.663	V.Prec	0.040

		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	153579.000
		Init counter	37	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	153598.000
		Init counter	38	Point ID	2021
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	High RMS	Week	884
		Init type	None	seconds	153603.000
		Init counter	38	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Good RMS	Week	884
		Init type	None	seconds	153604.000
		Init counter	38	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
GPSVEC	TP	Point ID	2022	Code	GLO BC
		Azimuth	N29°17'24E		
		H.dist	16185.072	H.Prec	0.023
		V.dist	134.517	V.Prec	0.032
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	153956.000
		Init counter	38	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	153978.000
		Init counter	39	Point ID	2022
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	High RMS	Week	884
		Init type	None	seconds	153981.000
		Init counter	39	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Good RMS	Week	884
		Init type	None	seconds	153982.000
		Init counter	39	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>

		Plate V.Dist	<Null>	Plate azimuth	<Null>
NOTE		2022 N1/4 S20			
NOTE	TS	Dec-16-96 19:01			
GPSVEC	TP	Point ID	2023	Code	NAIL
		Azimuth	N30°58'12E		
		H.dist	16475.601	H.Prec	0.029
		V.dist	137.394	V.Prec	0.039
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	154271.000
		Init counter	39	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	154291.000
		Init counter	40	Point ID	2023
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
GPSVEC	TP	Point ID	2024	Code	1/2 RB
		Azimuth	N34°45'00E		
		H.dist	16578.664	H.Prec	0.031
		V.dist	177.733	V.Prec	0.039
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	154844.000
		Init counter	40	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	154865.000
		Init counter	41	Point ID	2024
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Lost(RMS)	Week	884
		Init type	None	seconds	155506.000
		Init counter	41	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	OTF	seconds	155546.000
		Init counter	42	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>

NOTE	TS	Dec-16-96 19:25			
GPSVEC	TP	Point ID	2025	Code	1/2 RB
		Azimuth	N24°23'24E		
		H.dist	16187.288	H.Prec	0.044
		V.dist	154.960	V.Prec	0.048
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	155696.000
		Init counter	42	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	155723.000
		Init counter	43	Point ID	2025
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
GPSVEC	TP	Point ID	2026	Code	NAIL
		Azimuth	N25°11'24E		
		H.dist	15583.272	H.Prec	0.028
		V.dist	141.599	V.Prec	0.028
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	156067.000
		Init counter	43	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	156084.000
		Init counter	44	Point ID	2026
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
NOTE	TS	Dec-16-96 19:46			
GPSVEC	TP	Point ID	2027	Code	1/2 RB
		Azimuth	N18°52'12E		
		H.dist	20449.755	H.Prec	0.030
		V.dist	192.541	V.Prec	0.029
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	156944.000
		Init counter	44	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	156957.000

		Init counter	44	Point ID	2027
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
NOTE		2027 KNOWN GPS 2012			
GPSVEC	TP	Point ID	2028	Code	1/2 RB
		Azimuth	N15°38'24E		
		H.dist	20108.218	H.Prec	0.035
		V.dist	169.426	V.Prec	0.036
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	157206.000
		Init counter	44	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	157224.000
		Init counter	45	Point ID	2028
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
NOTE		2028 KNOWN GPS 2013			
GPSVEC	TP	Point ID	2029	Code	1/2 RB
		Azimuth	N11°35'24E		
		H.dist	19795.624	H.Prec	0.047
		V.dist	210.968	V.Prec	0.052
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	157518.000
		Init counter	45	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	157542.000
		Init counter	46	Point ID	2029
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
NOTE	TS	Dec-16-96 19:56			
NOTE		2029 KNOWN GPS 2014			
NOTE	TS	Dec-16-96 20:07			
GPSVEC	TP	Point ID	3	Code	1/2 RB
		Azimuth	N41°50'24E		
		H.dist	11858.919	H.Prec	0.036
		V.dist	107.059	V.Prec	0.048

		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	158238.000
		Init counter	46	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	158258.000
		Init counter	47	Point ID	3
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	High RMS	Week	884
		Init type	None	seconds	158263.000
		Init counter	47	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Good RMS	Week	884
		Init type	None	seconds	158264.000
		Init counter	47	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
NOTE		3 S1/4 S20			
GPSVEC	TP	Point ID	4	Code	1/2 RB
		Azimuth	N30°46'48E		
		H.dist	10284.115	H.Prec	0.027
		V.dist	69.898	V.Prec	0.031
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	158602.000
		Init counter	47	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	158618.000
		Init counter	48	Point ID	4
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
NOTE		4 NE COR S30			
NOTE	TS	Dec-16-96 20:19			
GPSVEC	TP	Point ID	5	Code	CP
		Azimuth	N40°19'12E		
		H.dist	8123.310	H.Prec	0.024
		V.dist	51.455	V.Prec	0.031

		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	158928.000
		Init counter	48	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	158948.000
		Init counter	49	Point ID	5
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
NOTE		5 E1/4 S30			
GPSVEC	TP	Point ID	6	Code	CP
		Azimuth	N55°54'36E		
		H.dist	6338.438	H.Prec	0.024
		V.dist	26.122	V.Prec	0.035
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	159214.000
		Init counter	49	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	159232.000
		Init counter	50	Point ID	6
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
NOTE		6 SE COR S30			
NOTE	TS	Dec-16-96 20:29			
GPSVEC	TP	Point ID	7	Code	RR SPIKE
		Azimuth	N36°15'36E		
		H.dist	4408.046	H.Prec	0.029
		V.dist	18.271	V.Prec	0.049
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	159543.000
		Init counter	50	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	159559.000
		Init counter	51	Point ID	7
		Survey type	Real time	Plate H.Dist	<Null>

		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	High RMS	Week	884
		Init type	None	seconds	159564.000
		Init counter	51	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Good RMS	Week	884
		Init type	None	seconds	159565.000
		Init counter	51	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
NOTE		7 S1/4 S30			
GPSVEC	TP	Point ID	8	Code	BC FLUSH
		Azimuth	N0°01'12"W		
		H.dist	3553.609	H.Prec	0.019
		V.dist	14.140	V.Prec	0.035
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	159819.000
		Init counter	51	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	Known pt	seconds	159835.000
		Init counter	52	Point ID	8
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
NOTE		8 SW COR S30			
GPSVEC	TP	Point ID	9	Code	BC FLUSH
		Azimuth	N0°01'48"E		
		H.dist	6195.449	H.Prec	0.034
		V.dist	16.687	V.Prec	0.061
		Class	Normal	Mthd	Phase differntl
INIT	SI	Init event	Cancelled	Week	884
		Init type	None	seconds	160087.000
		Init counter	52	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>
INIT	SI	Init event	Gained	Week	884
		Init type	OTF	seconds	160122.000
		Init counter	53	Point ID	
		Survey type	Real time	Plate H.Dist	<Null>
		Plate V.Dist	<Null>	Plate azimuth	<Null>

```
INIT    SI    Init event     High RMS            Week           884
              Init type      None                seconds        160314.000
              Init counter   53                  Point ID
              Survey type    Real time           Plate H.Dist   <Null>
              Plate V.Dist   <Null>              Plate azimuth  <Null>

NOTE    TS    Dec-16-96 20:42

NOTE    TP    Start rover

EQUIP   TP    Receiver  7400MSi                  Serial     00016756
              Antenna   Compact L1/L2            Serial     02200692
              Radius  0.00000       V.Const  0.20505    Tape adj  0.00000

SURVEY  TP    Elevation mask 15                  PDOP mask 6.000

NOTE    TP    Start rover

EQUIP   TP    Receiver  7400MSi                  Serial     00016756
              Antenna   Compact L1/L2            Serial     02200692
              Radius  0.00000       V.Const  0.20505    Tape adj  0.00000

SURVEY  TP    Elevation mask 15                  PDOP mask 6.000

NOTE    TP    Start rover

EQUIP   TP    Receiver  7400MSi                  Serial     00016756
              Antenna   Compact L1/L2            Serial     02200692
              Radius  0.00000       V.Const  0.20505    Tape adj  0.00000

SURVEY  TP    Elevation mask 15                  PDOP mask 6.000

NOTE    TP    Start rover

EQUIP   TP    Receiver  7400MSi                  Serial     00016756
              Antenna   Compact L1/L2            Serial     02200692
              Radius  0.00000       V.Const  0.20505    Tape adj  0.00000

SURVEY  TP    Elevation mask 15                  PDOP mask 6.000

NOTE    TS    Dec-16-96 20:52

NOTE    TP    Start rover

EQUIP   TP    Receiver  7400MSi                  Serial     00016756
              Antenna   Compact L1/L2            Serial     02200692
              Radius  0.00000       V.Const  0.20505    Tape adj  0.00000

SURVEY  TP    Elevation mask 15                  PDOP mask 6.000

NOTE    TP    Start rover

EQUIP   TP    Receiver  7400MSi                  Serial     00016756
              Antenna   Compact L1/L2            Serial     02200692
```

Radius 0.00000 V.Const 0.20505 Tape adj 0.00000

SURVEY TP Elevation mask 15 PDOP mask 6.000

* END OF REPORT *

Project: 96196 Wed Dec 18 17:36:44 1996

Point statistics:

Starting point number: 1

Current point number: 1117 ('L' indicates locked point)

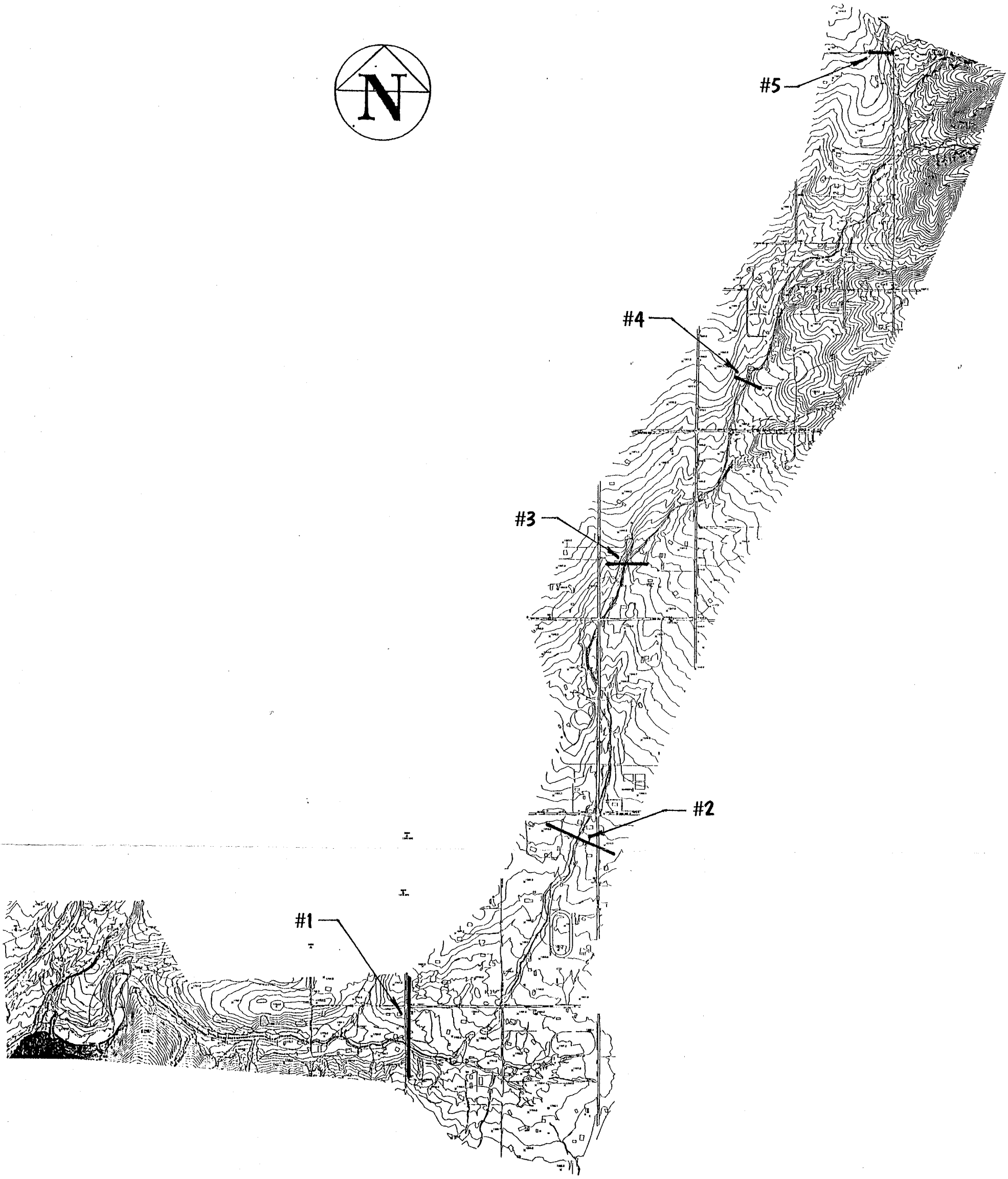
Current Coordinate Listing by Point Range

Point	Northing	Easting	Elevation	Description

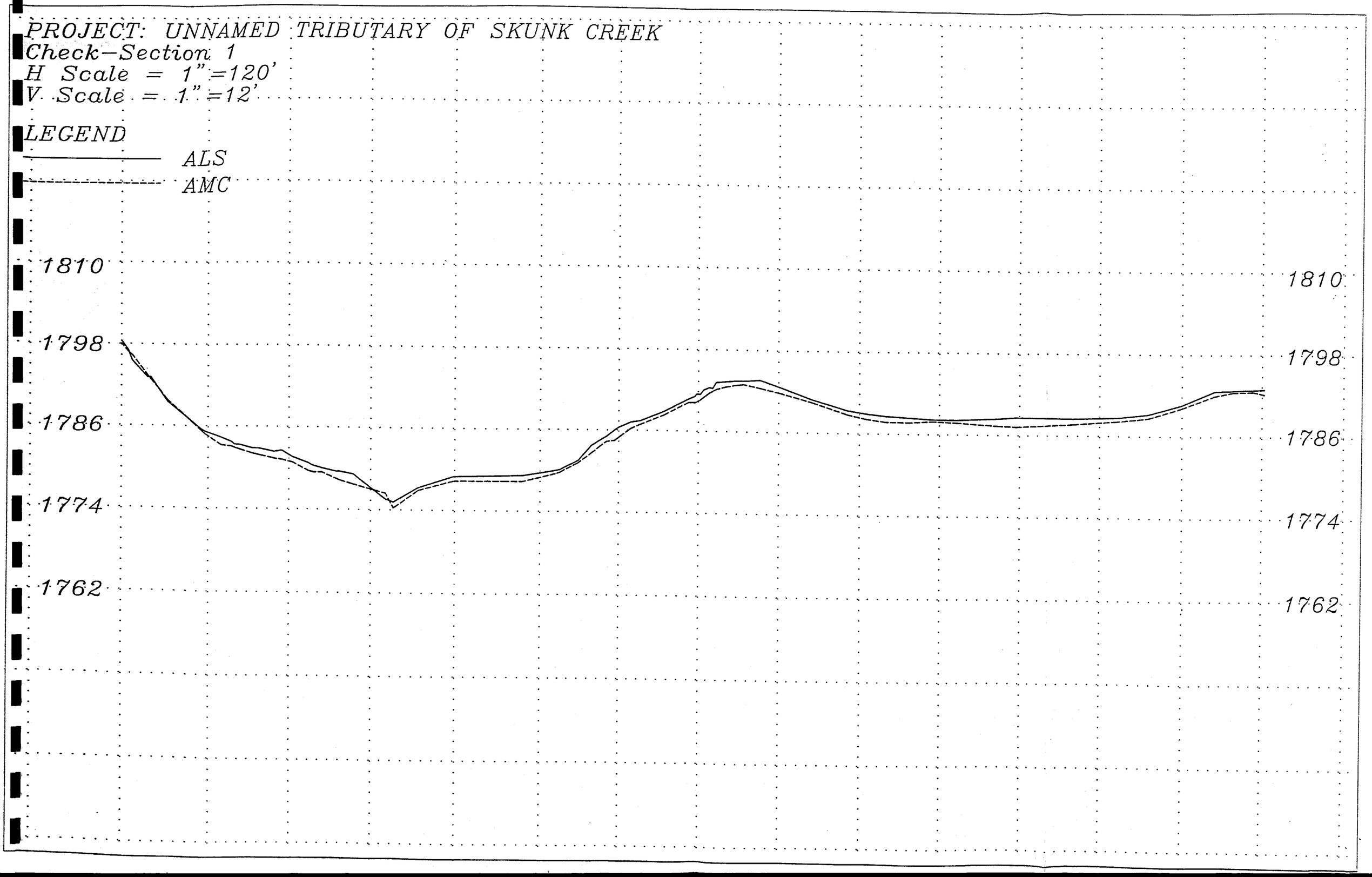
MAPPING VERIFICATION SECTIONS

ALCOCER LAND SURVEYORS

CHECK SECTIONS LOCATION



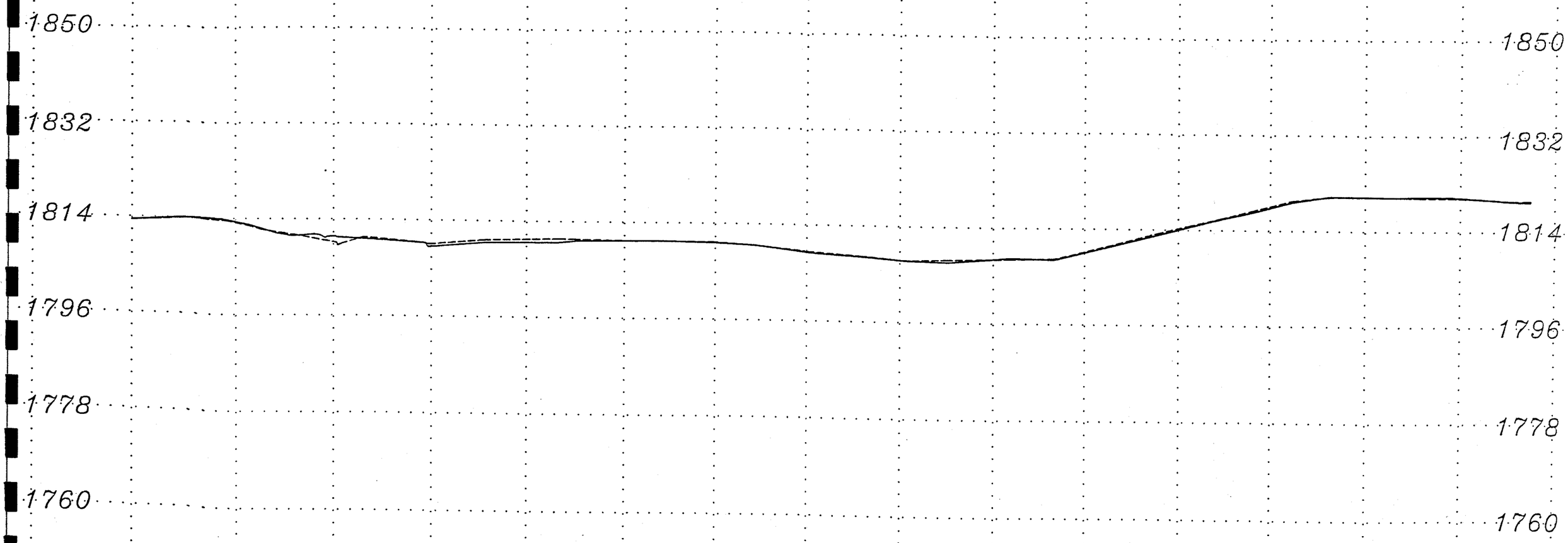
PROJECT: UNNAMED TRIBUTARY OF SKUNK CREEK
Check-Section 1
H Scale = 1"=120'
V Scale = 1"=12'



PROJECT: UNNAMED TRIBUTARY OF SKUNK CREEK
Check-Section 2
H Scale = 1"=180'
V Scale = 1"=18'

LEGEND

ALS
AMC

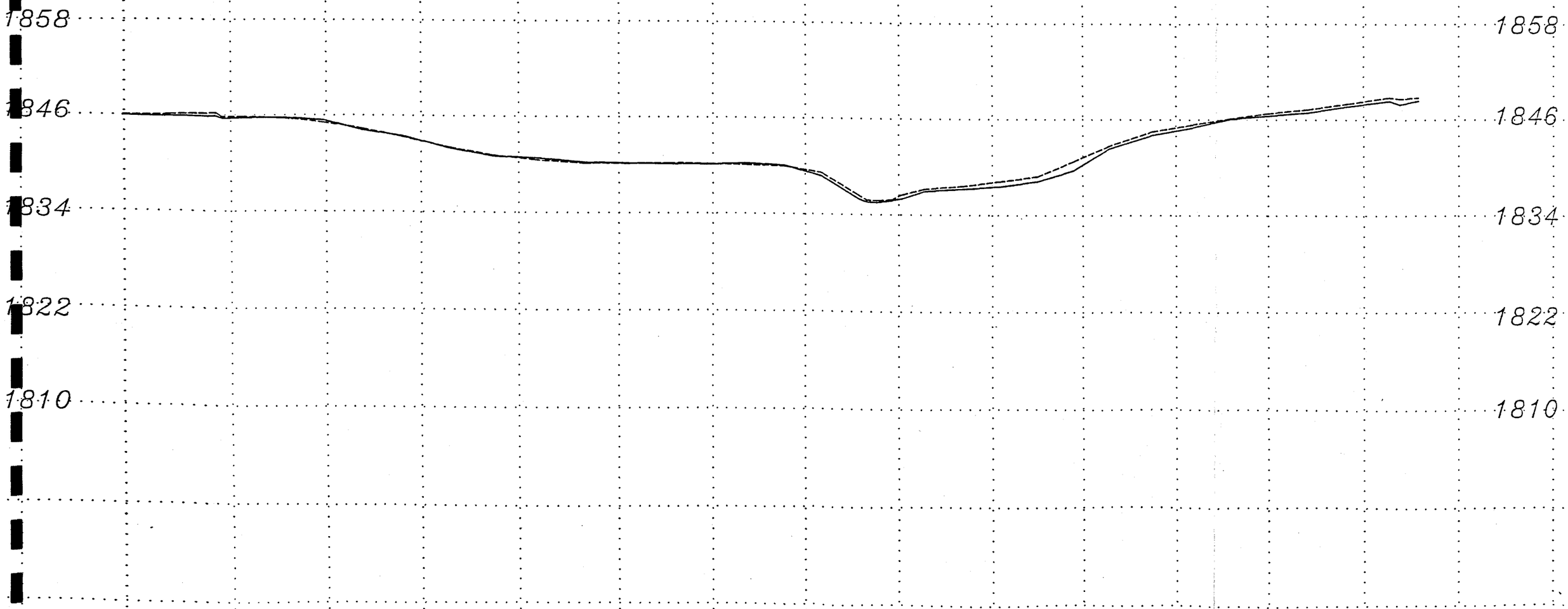


P>89407004>DWG>AMCXS2.DWG DATE: 4/09/97 9:30am kl h

PROJECT: UNNAMED TRIBUTARY OF SKUNK CREEK
Check-Section 3
H Scale = 1"=120'
V Scale = 1"=12'

LEGEND

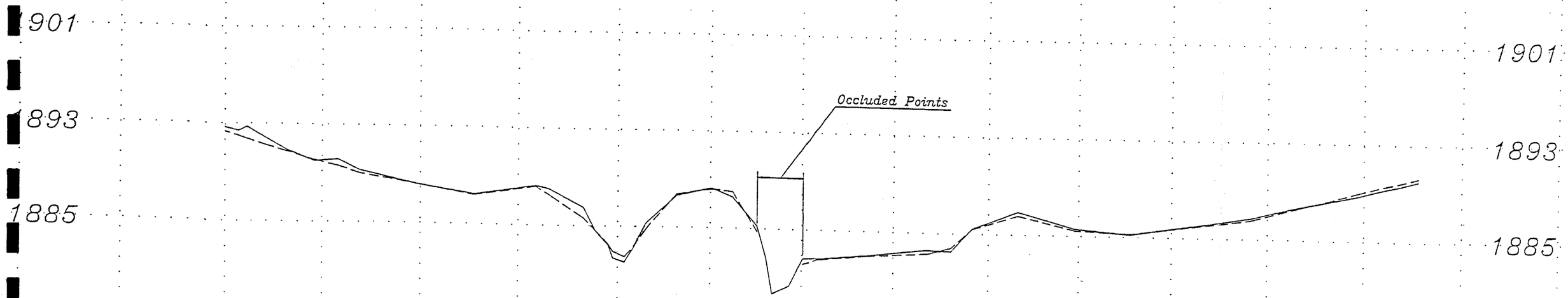
ALS
AMC



PROJECT: UNNAMED TRIBUTARY OF SKUNK CREEK
Check-Section 4
H Scale = 1"=80'
V Scale = 1"=8'

LEGEND

ALS
AMC

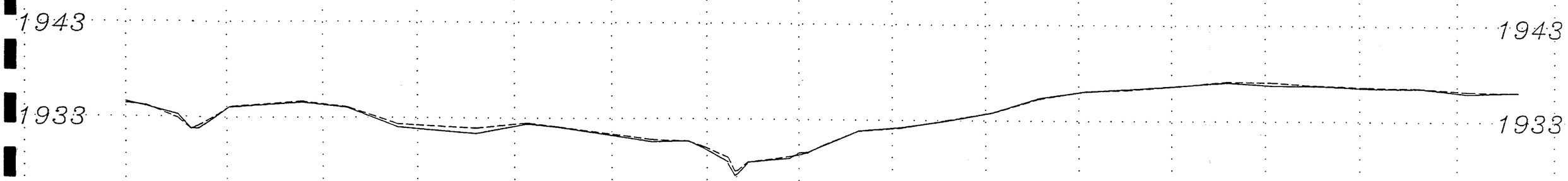


PROJECT: UNNAMED TRIBUTARY OF SKUNK CREEK
Check-Section 5
H Scale = 1"=100'
V Scale = 1"=10'

LEGEND

ALS

AMC



G>P>89407004>DWG>ALSXS5.DWG DATE: 4/22/97 9:30am KLH

FIELD NOTES

ALCOCER LAND SURVEYORS

ALCOCER LAND SURVEYORS

3501 North 16th St. ~ Phoenix, Arizona 85016

Project Title: UNNAMED TRIBUTARY OF SKUNK CREEK Project No. 1004-10 Date 1-15-97

Subject: TOPO SURVEY CODES Designed _____ Page _____

Code	Name	Summary	Type
100-199		ROAD	
100	R0	Miscellaneous Locations	
101	R1	B.C. in H.H.	
102	R2	B.C. Flush	
104	RA	Apron	
105	RB	Back of Curb	
107	RC	Center Line	
109	RD	Driveway	
110	RE	Edge of Paving	
111	RF	Flow Line	
114	RG	Sign	
116	RH	A/C @ Face of Curb	
118	RI	Edge of Road (What Type)	
120	RJ	Depressed Curb	
121	RK	P.K. Nail	
122	RL	Lip of Gutter	
123	RM	Monument Line	
124	RN	Bull Nose	
126	RO	Curb Opening	
127	RP	Paving	
128	RR	Return	
130	RS	Shoulder	
135	RT	Toe	
140	RU	Top	
148	RV	Valley Gutter	
150	RW	Walk	
155	RX	Extruded Curb	
157	RY	Median	
195	RZ	Miscellaneous	
200-249		SEWER	
203	SC	Clean-Out	
204	SL	Sewer Line	
205	SM	Manhole	
210	SY	Tap	
245	SZ	Miscellaneous	
250-299		WATER	
255	WF	Fire Hydrant	
260	WL	Water Line	
262	WM	Water Meter	
265	WP	Water Pipe	
267	WT	Tail Water	
270	WV	Water Valve	
295	WZ	Miscellaneous	

300-349		STORM DRAIN	
310	HB	Scupper	
312	HC	Catch Basin	
314	HD	Dry Well	
316	HM	Manhole	
318	HP	Pipe	
320	HS	Storm Drain	
345	HZ	Miscellaneous	
350-359		IRRIGATION	
352	IB	Anti-Siphon Valve	
354	IC	Concrete Tow	
355	ID	Tail Water	
356	IE	Concrete Shoulder	
357	IF	Flow Line	
360	IG	Ground	
362	IH	Headwall	
364	II	Irrigation Box	
368	IM	Breakline	
370	IP	Standpipe	
372	IS	Shoulder	
375	IT	Toe	
377	IU	Top	
380	IV	Irrigation Valve	
382	IW	Wing Wall	
395	IZ	Miscellaneous	
400-449		STRUCTURES	
410	BA	Air Conditioner	
412	BB	Building Sign	
413	BC	Corner Building	
415	BD	Edge of Swimming Pool	
416	BE	Edge of Walk	
418	BF	Finished Floor	
419	BG	Generator	
420	BH	Pump (What Kind)	
422	BI	Patio - Concrete Pad	
423	BJ	Curb Stops	
425	BK	Parking	
427	BL	Rails	
428	BN	Angle Point	
429	BO	Overhang	
430	BP	Edge of Planter	
432	BR	Ramp	
433	BS	Stairs	
435	BT	Conduit	
436	BU	Column	
438	BV	Mailbox	
440	BY	Yard	
445	BZ	Miscellaneous	

450-474		TELEPHONE	
452	TM	Tele. Manhole	
455	TR	Tele. Rise	
475-499		MISCELLANEOUS	
476	PT	Palm Tree	
478	TC	Cactus	
480	TT	Tree	
482	TV	Cable TV	
500-549		ELECTRIC	
502	EA	Switching & Fusing	
505	EB	Electric Box	
507	EE	Electric Meter	
510	EF	Transformer (Pad for Box)	
525	EG	Guy Wire (or Pole)	
527	EI	Pedestrian Lite	
530	EL	Traffic Light	
532	EM	Manhole	
535	EN	Line	
537	EP	Power Pole	
538	ER	Riser (What Kind)	
540	ES	Street Lite	
541	ET	Traffic Control Box	
542	EU	Utility Pole	
544	EV	Service Pole	
545	EZ	Miscellaneous	
550-599		GAS	
552	GB	Blue Line	
555	GH	Gas Manhole	
560	GL	Gas Line	
565	GM	Gas Meter	
570	GV	Gas Valve	
575	GZ	Miscellaneous	
600-649		WALLS OR FENCES	
602	FA	Angle Point (What Type)	
605	FB	Back Wall (What Type)	
610	FC	Fence Corner (What Type)	
615	FE	End Wall/Fence (What Type)	
618	FF	Face Wall (What Type)	
620	FL	Fence Line (What Type)	
625	FT	Top Wall (What Type)	
645	FZ	Miscellaneous	
950	CS	Check Shot	
960	CSV	Check Shot Vertical	

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Point	Northing	Easting	Elevation	Note
2003	1025349.050000	644272.099000	1799.677	CPS
2008	1028575.724000	645591.559000	1820.000	PANEL PT NAIL
2010	1027965.155000	648172.633000	1813.740	PANEL PT NAIL
2011	1028934.522000	648181.978000	1819.200	PANEL PT2011
2012	1031559.612000	647554.857000	1848.675	PANEL PT 1/2 RB
2013	1031512.927000	649205.522000	1846.010	PANEL PT NAIL
2015	1034149.412000	650052.330000	1867.020	PANEL PT 2015
2017	1036159.703000	651173.281000	1892.670	PANEL PT NAIL
2018	1036183.780000	650154.225000	1890.290	PANEL PT NAIL
2023	1039458.043000	652774.285000	1934.580	PANEL PT NAIL
2026	1039434.941000	650931.037000	1938.940	PANEL PT NAIL
2030	1027052.994700	644277.822900	1792.510	PANEL PT NAIL
2050	1027053.249240	644277.823755	1792.505	CS PANEL
2051	1025370.325890	644272.170470	1797.988	IG
2052	1025379.003790	644272.202235	1796.707	IG
2053	1025385.124340	644272.220006	1795.070	IG
2054	1025406.170840	644272.290604	1792.657	IG
2055	1025410.353320	644272.304633	1792.739	IG
2056	1025422.339940	644272.344841	1790.903	IG
2057	1025434.517830	644272.386104	1789.081	IG
2058	1025468.946610	644272.501757	1786.072	IG
2059	1025479.639770	644272.537678	1785.147	IG
2060	1025485.464150	644272.557243	1784.793	IG
2061	1025509.405610	644272.637667	1783.939	IG
2062	1025525.146490	644272.690544	1783.319	IG
2063	1025529.038890	644272.703620	1782.946	IG
2064	1025537.438720	644272.731836	1782.899	IG
2065	1025555.369020	644272.793068	1782.419	IG
2066	1025566.274780	644272.829756	1782.377	IG
2067	1025587.724360	644272.900756	1781.920	IG
2068	1025599.324230	644272.939723	1782.113	IG
2069	1025614.998160	644272.992374	1781.172	IG
2070	1025639.234770	644273.073790	1780.311	IG
2071	1025645.705640	644273.095527	1779.968	IG
2072	1025659.066490	644273.140409	1779.597	IG
2073	1025681.168120	644273.216263	1779.089	IG
2074	1025683.273630	644273.223346	1779.148	IG
2075	1025704.725600	644273.295512	1778.753	IU
2076	1025751.257940	644273.452049	1775.124	IT
2077	1025762.326890	644273.489286	1774.725	IT
2078	1025797.659870	644273.608148	1776.853	IU
2079	1025848.661210	644273.779719	1778.527	IG
2080	1025920.989840	644274.023036	1778.719	IG
2081	1025944.938480	644274.103601	1778.778	IG
2082	1026000.660820	644274.287894	1779.693	IG
2083	1026029.246390	644274.387217	1781.046	IG
2084	1026049.505170	644274.455369	1783.290	IG
2085	1026062.589780	644274.502845	1784.104	IG
2086	1026071.991860	644274.531015	1784.673	IG
2087	1026083.999320	644274.571409	1785.588	IG
2088	1026090.172490	644274.592176	1786.009	IG

Point	Northing	Easting	Elevation	Note
2089	1026108.317530	644274.653217	1786.796	IG
2090	1026123.040120	644274.702744	1787.032	IG
2091	1026158.148670	644274.820851	1788.416	IG
2092	1026194.829970	644274.944249	1790.297	IG
2093	1026204.663700	644274.977330	1790.723	IG
2094	1026207.235560	644274.985982	1791.050	IG
2095	1026213.004470	644275.005389	1791.022	IG
2096	1026218.553760	644275.024057	1791.671	IG
2097	1026227.138420	644275.052936	1792.040	IG
2098	1026231.971910	644275.069197	1791.917	IG
2099	1026237.488230	644275.087754	1792.794	IG
2100	1026251.182330	644275.133821	1792.906	IG
2101	1026268.067610	644275.195080	1793.042	IG
2102	1026277.697750	644275.227523	1793.038	IG
2103	1026301.694370	644275.308365	1793.220	IG
2104	1026333.383550	644275.415123	1792.154	IG
2105	1026378.928410	644275.558573	1790.489	IG
2106	1026431.468110	644275.735065	1788.942	IG
2107	1026460.493900	644275.832568	1788.488	IG
2108	1026487.882260	644275.924571	1788.202	IG
2109	1026523.616910	644273.857925	1787.981	IG
2110	1026559.877050	644274.634268	1787.751	IG
2111	1026595.824970	644276.293218	1787.718	IG
2112	1026658.979760	644276.505674	1788.002	IG
2113	1026684.973180	644276.593117	1788.190	IG
2114	1026771.216520	644276.890139	1788.078	IG
2115	1026835.321890	644277.106104	1788.246	IG
2116	1026880.383740	644277.257913	1788.792	IG
2117	1026930.162480	644277.433278	1790.208	IG
2118	1026978.617880	644277.573053	1792.222	IG
2119	1027006.412010	644277.666419	1793.216	IG
2120	1027035.968540	644277.765706	1792.819	IG
2121	1027053.249260	644277.823755	1792.513	CS
2122	1031512.919930	649205.771822	1845.989	CS
2123	1031558.994150	647576.553651	1848.478	IG
2124	1031558.327980	647600.256615	1848.000	IG
2125	1031557.953580	647613.494747	1848.452	IG
2126	1031556.496300	647665.020332	1847.776	IG
2127	1031555.089850	647714.748840	1846.983	IG
2128	1031553.641670	647765.952877	1846.592	IG
2129	1031552.280130	647814.093701	1846.155	IG
2130	1031550.876140	647863.735301	1845.081	IG
2131	1031549.396420	647916.054219	1844.126	IG
2132	1031547.877820	647969.748446	1842.408	IG
2133	1031546.533610	648017.514317	1839.709	IG
2134	1031545.187480	648065.134644	1838.321	IG
2135	1031543.752300	648115.520248	1837.634	IG
2136	1031542.373770	648164.253197	1837.323	IG
2137	1031541.006310	648212.707891	1837.018	IG
2138	1031540.183900	648241.786177	1836.066	IG

Point	Northing	Easting	Elevation	Note
2139	1031539.863300	648253.121833	1835.864	IG
2140	1031539.325570	648272.134512	1835.599	IG
2141	1031538.955540	648285.217877	1835.636	IG
2142	1031538.670720	648295.288284	1835.995	IG
2143	1031537.315200	648343.216256	1838.788	IG
2144	1031535.953240	648391.371632	1840.079	IG
2145	1031534.571130	648440.239745	1840.359	IG
2146	1031533.186450	648489.198472	1840.183	IG
2147	1031531.708120	648541.468518	1840.201	IG
2148	1031530.242730	648593.281014	1840.283	IG
2149	1031528.705370	648647.638303	1840.359	IG
2150	1031527.088660	648704.801110	1840.861	IG
2151	1031525.599350	648757.459276	1841.064	A
2152	1031524.084370	648810.809753	1842.035	IG
2153	1031522.532110	648865.909444	1843.478	IG
2154	1031521.013360	648919.140524	1844.248	IG
2155	1031519.643470	648968.044513	1845.471	IG
2156	1031518.216200	649018.509107	1845.764	IG
2157	1031516.675470	649072.985366	1845.740	IG
2158	1031516.041440	649095.667593	1845.648	IG
2159	1031515.831140	649103.104363	1845.939	IG
2160	1031514.373250	649154.660782	1845.936	IG
2161	1031512.919990	649205.769885	1846.029	CS
2162	1036159.698550	651173.469464	1892.671	CS
2163	1036183.411970	650169.798465	1889.996	IG
2164	1036182.255210	650218.761626	1888.709	IG
2165	1036181.131010	650266.343117	1887.732	IG
2166	1036180.165330	650307.215398	1886.717	IG
2167	1036177.768710	650408.599966	1885.177	IG
2168	1036176.627960	650456.810090	1885.551	IG
2169	1036175.410450	650508.319960	1886.865	IG
2170	1036174.491280	650547.207501	1885.438	IG
2171	1036174.058900	650565.500608	1883.519	IG
2172	1036173.595610	650585.101061	1883.572	IG
2173	1036173.560640	650586.580637	1883.578	IG
2174	1036172.428680	650634.372430	1883.026	IG
2175	1036171.403710	650678.050070	1882.649	IG
2176	1036171.065600	650692.360585	1882.641	IU
2177	1036167.966150	650704.366390	1880.386	IT
2178	1036165.870730	650719.614029	1879.716	IT
2179	1036170.281040	650725.332342	1882.620	IU
2180	1036170.092670	650733.301919	1885.211	IU
2181	1036169.594200	650754.390643	1887.544	IG
2182	1036169.156170	650772.922655	1888.257	IG
2183	1036168.476310	650801.685793	1887.591	IU
2184	1036166.469430	650828.344822	1885.235	IU
2185	1036167.385930	650848.102088	1882.047	IT
2186	1036167.167340	650857.353863	1882.378	IT
2187	1036167.078910	650861.096500	1883.396	IU
2188	1036166.831680	650871.560392	1884.617	IU

Point	Northing	Easting	Elevation	Note
2189	1036166.609980	650880.943897	1886.485	IU
2190	1036165.955690	650908.636509	1887.973	IG
2191	1036165.695410	650919.652910	1888.241	IG
2192	1036164.499820	650970.256008	1887.428	IG
2193	1036163.391890	651017.149296	1888.194	IG
2194	1036162.305390	651063.135157	1889.264	IG
2195	1036161.890180	651080.709040	1890.124	IG
2196	1036161.428420	651100.252977	1889.971	IG
2197	1036160.895580	651122.805153	1890.875	IG
2198	1036160.497330	651139.661034	1891.851	IG
2199	1036160.137090	651154.908048	1892.728	IG
2200	1036159.965290	651162.179456	1892.392	IG
2201	1036159.698640	651173.465441	1892.681	CS
2202	1039458.046920	652774.598084	1934.571	CS
2203	1039435.535440	650978.502506	1939.003	IG
2204	1039436.100390	651023.613646	1938.622	IG
2205	1039436.674040	651069.311567	1938.092	IG
2206	1039437.286560	651118.182724	1937.721	IG
2207	1039437.903390	651167.398434	1937.517	IG
2208	1039438.508970	651215.715670	1936.807	IG
2209	1039439.144390	651266.414543	1936.157	IG
2210	1039439.708980	651311.461414	1936.068	IG
2211	1039440.365800	651363.867347	1935.915	IG
2212	1039440.989950	651413.666860	1936.468	IG
2213	1039441.677350	651468.512914	1936.450	IG
2214	1039442.310880	651519.060135	1936.714	IG
2215	1039442.913480	651567.140526	1936.701	IG
2216	1039443.505020	651614.337723	1937.006	IG
2217	1039444.110170	651662.621323	1936.688	IG
2218	1039444.835590	651720.500013	1936.320	IG
2219	1039445.436500	651768.445640	1936.038	IG
2220	1039446.046930	651817.149901	1935.367	IG
2221	1039446.674500	651867.221822	1933.819	IG
2222	1039447.298710	651917.025887	1932.930	IG
2223	1039447.913800	651966.102759	1932.227	IG
2224	1039448.476980	652011.037640	1931.829	IG
2225	1039448.945570	652048.424659	1930.222	IG
2226	1039449.139710	652064.352972	1929.572	IG
2227	1039449.270140	652074.763789	1929.484	IG
2228	1039449.395680	652084.784664	1928.907	IG
2229	1039449.964620	652130.196298	1928.476	IU
2230	1039450.095050	652140.606820	1927.404	IT
2231	1039450.138410	652144.068055	1927.235	IT
2232	1039450.236850	652151.452632	1928.491	IU
2233	1039450.572450	652178.229531	1929.909	IG
2234	1039450.772810	652194.215467	1930.650	IG
2235	1039451.247110	652232.058543	1930.542	IG
2236	1039452.470990	652330.250319	1932.038	IG
2237	1039452.870590	652362.145575	1932.363	IG
2238	1039453.525260	652414.400655	1931.344	IG

Point	Northing	Easting	Elevation	Note
2239	1039456.712970	652668.837550	1932.831	IG
2240	1039454.535230	652495.619873	1931.999	IG
2241	1039457.366890	652721.725795	1933.084	IG
2242	1039455.195680	652548.355977	1934.012	IG
2243	1039455.824710	652597.293451	1934.539	IG
2244	1039456.767180	652672.490522	1934.032	IG
2245	1039457.150730	652703.093251	1931.814	IG
2246	1039457.232690	652709.632658	1931.781	IG
2247	1039457.384570	652721.750605	1933.220	IG
2248	1039457.782550	652753.504532	1934.081	IG
2249	1039458.055840	652774.595972	1934.571	CS
2250	1027965.086040	648172.924511	1813.718	CS
2251	1028567.360590	645626.913096	1820.068	IG
2252	1028554.742880	645680.253022	1820.459	IG
2253	1028541.731710	645735.252377	1820.809	IG
2254	1028528.145480	645792.688917	1820.864	IG
2255	1028515.795140	645844.897818	1820.729	IG
2256	1028503.226000	645898.031646	1820.808	IG
2257	1028487.632800	645963.949186	1820.749	IG
2258	1028471.961450	646030.197103	1819.717	IG
2259	1028455.022230	646101.804682	1817.785	IG
2260	1028440.330730	646163.910464	1816.400	IG
2261	1028425.882050	646224.976003	1814.865	IG
2262	1028411.937140	646283.924419	1813.325	IG
2263	1028390.917590	646372.812780	1810.953	IG
2264	1028365.165120	646481.679210	1808.353	IG
2265	1028345.346020	646565.462840	1808.592	IG
2266	1028316.214150	646682.310660	1807.633	IG
2267	1028298.551950	646763.255535	1807.809	IG
2268	1028279.527080	646843.706944	1808.458	IG
2269	1028255.995640	646943.184141	1809.055	IG
2270	1028231.654970	647046.082314	1810.294	IG
2271	1028212.748040	647126.009807	1810.637	IG
2272	1028193.020080	647209.373095	1810.850	IG
2273	1028173.993310	647289.805466	1810.808	IG
2274	1028152.227560	647381.816388	1810.696	IG
2275	1028144.439210	647414.740255	1810.347	IG
2276	1028112.712590	647548.859031	1810.212	IG
2277	1028060.425180	647769.894912	1810.186	IG
2278	1028026.849390	647911.880950	1810.344	IU
2279	1028088.030010	647653.244953	1809.313	IF
2280	1028086.584340	647659.356371	1810.029	IU
2281	1028011.991060	647974.693312	1810.552	IG
2282	1028002.900660	648013.122220	1811.053	IU
2283	1028051.833640	647806.262091	1808.621	IT
2284	1028049.745870	647815.087982	1808.884	IT
2285	1028049.245720	647817.202310	1810.918	IU
2286	1028031.694100	647891.400316	1811.140	IG
2287	1028017.478660	647951.494915	1812.152	IG
2288	1028003.274530	648011.541700	1813.905	IG

Point	Northing	Easting	Elevation	Note
2289	1027988.579280	648073.664654	1814.186	IG
2290	1027975.484860	648129.020219	1813.985	IG
2291	1027965.084660	648172.930334	1813.743	CS
2294	1034172.784000	649551.102000	1867.470	PT 4 SW CORSEC20
2295	1034172.787470	649551.027496	1867.495	CS
2296	1034142.138420	650016.921097	1868.577	IH COR
2297	1034141.544090	650016.884031	1868.563	IH COR
2298	1034142.359130	649993.391706	1868.626	IH COR
2299	1034142.988880	649993.393022	1868.557	IH COR
2300	1034200.880200	649997.929826	1869.438	IH COR
2301	1034201.472220	649997.924514	1869.446	IH COR
2302	1034201.264310	650021.168193	1869.560	IH COR
2303	1034200.638780	650021.184332	1869.541	IH COR
2304	1034201.719390	650012.628548	1861.462	HP 60IN CMP F/L
2305	1034201.429320	650005.726242	1861.357	HP 60IN CMP F/L
2306	1034209.263290	649986.122287	1864.111	IU
2307	1034202.573570	650003.246260	1861.634	IT
2308	1034203.117600	650009.872338	1861.337	IF
2309	1034203.669460	650016.521355	1861.839	IT
2310	1034203.195300	650025.565098	1864.731	IU
2311	1034141.691900	650009.320529	1860.351	HP 60IN CMP F/L
2312	1034141.418430	650001.588288	1860.529	HP 60IN CMP F/L
2313	1034139.221000	649998.646707	1860.273	IT
2314	1034139.459180	650006.280108	1860.718	IF
2315	1034140.211640	650010.326050	1860.762	IT
2316	1034130.115660	650016.585005	1863.274	IU IG
2317	1034133.613350	649991.117433	1862.605	IU IG
2318	1034145.357010	649990.691504	1867.171	RS IU
2319	1034142.890570	650020.569387	1867.084	RS IU
2320	1034198.962300	650025.730133	1867.190	RS IU
2321	1034199.264790	649994.634989	1867.362	RS IU
2322	1034172.465450	650007.219258	1868.213	RC
2323	1034171.542380	650057.133972	1867.677	RC
2324	1034171.332600	650107.023139	1867.149	RC
2325	1034170.991640	650156.973641	1867.271	RC
2326	1034170.348380	650206.902560	1867.586	RC
2327	1034169.760600	650256.909793	1868.119	RC
2328	1034169.311720	650306.884752	1868.734	RC
2329	1034169.197530	650356.687204	1869.551	RC
2330	1034168.827980	650406.669998	1870.553	RC
2331	1034168.010860	650457.318421	1871.680	RC
2332	1034172.469850	649957.332806	1868.284	RC
2333	1034172.709000	649907.377300	1868.142	RC
2334	1034173.328000	649857.519014	1868.013	RC
2335	1034173.447840	649807.609584	1867.730	RC
2336	1034173.832630	649757.676254	1867.640	RC
2337	1034174.449470	649707.726394	1867.729	RC
2338	1034174.447430	649657.853699	1867.798	RC
2339	1034174.742800	649607.955435	1867.794	RC
2340	1034172.788080	649556.286574	1867.862	RC

Point	Northing	Easting	Elevation	Note
2341	1034186.238410	649504.471667	1868.797	RE
2342	1034184.258160	649452.795569	1869.033	RE
2343	1034182.454910	649401.617916	1868.979	RE
2344	1034164.645830	649353.872164	1867.854	RC
2345	1034161.549720	649304.400505	1867.391	RC
2346	1034158.915780	649253.245055	1868.510	RC
2347	1034156.078360	649204.114028	1869.530	RC
2348	1034172.787660	649551.023474	1867.481	CS
2349	1031532.067000	649538.547000	1849.130	PT5 C-P E1/4SC30
2350	1033212.484410	649528.523400	1858.530	TRAV PT
2351	1034172.874190	649551.104120	1867.448	CS
2352	1033209.319270	649518.320417	1859.942	IH
2353	1033209.264050	649517.763633	1859.924	IH
2354	1033185.762210	649518.520591	1859.867	IH
2355	1033185.772020	649519.128006	1859.883	IH
2356	1033221.751720	649574.733641	1859.880	IH
2357	1033221.736400	649574.140774	1859.888	IH
2358	1033202.117790	649574.187272	1859.912	IH
2359	1033202.791270	649574.732888	1859.952	IH
2360	1033202.827380	649584.556643	1859.903	IH
2361	1033202.349400	649584.513653	1859.975	IH
2362	1033207.098550	649574.869685	1851.776	HB 60IN CMP F/L
2363	1033214.304980	649574.790330	1851.769	HB 60IN CMP F/L
2364	1033219.339210	649576.142790	1852.634	IT
2365	1033210.936020	649575.502864	1851.692	IF
2366	1033203.095760	649575.007053	1851.405	IF
2367	1033203.932780	649578.786014	1851.906	IT
2368	1033205.252770	649584.503905	1855.343	IU
2369	1033209.733120	649584.572598	1851.912	IT
2370	1033222.246000	649574.941165	1853.437	FL CHNLNK BOTTOM
2371	1033228.176750	649575.090111	1853.964	FL CHNLNK BOTTOM
2372	1033233.188520	649575.192217	1854.620	FL CHNLNK BOTTOM
2373	1033239.208390	649576.705439	1853.953	FL CHNLNK BOTTOM
2374	1033248.815300	649576.449212	1855.204	FL CHNLNK BOTTOM
2375	1033251.117070	649574.142357	1856.935	FL CHNLNK BOTTOM
2376	1033250.455990	649573.917133	1857.874	FL CHNLNK TOP
2377	1033249.456080	649575.582394	1857.516	FL CHNLNK TOP
2378	1033239.230280	649575.991179	1857.179	FL CHNLNK TOP
2379	1033230.533900	649574.315936	1857.512	FL CHNLNK TOP
2380	1033225.409750	649574.681799	1857.341	FL CHNLNK TOP
2381	1033222.498070	649574.474626	1857.412	FL CHNLNK TOP
2382	1033249.504310	649580.756278	1857.429	IU
2383	1033242.921010	649586.777514	1853.237	IT
2384	1033236.692010	649591.509501	1852.347	IT
2385	1033231.767980	649597.598195	1855.115	IU
2386	1033200.703820	649517.247930	1851.919	HB 60IN CMP F/L
2387	1033192.769190	649517.054264	1851.907	HB 60IN CMP F/L
2388	1033190.843030	649514.840258	1851.609	IT
2389	1033201.824310	649514.676835	1851.588	IT
2390	1033210.998850	649511.830640	1852.849	IT

Point	Northing	Easting	Elevation	Note
2391	1033211.442300	649509.594339	1852.135	IF
2392	1033211.359450	649507.942346	1853.135	IT
2393	1033211.045740	649502.492364	1854.097	IU
2394	1033195.640910	649506.351704	1851.248	IT
2395	1033188.875700	649508.964837	1850.836	IT
2396	1033183.973810	649509.931110	1852.774	IT
2397	1033171.942270	649498.503163	1852.664	IT
2398	1033182.801060	649491.675854	1852.303	IF
2399	1033195.697130	649489.066119	1852.842	IT
2400	1033200.402170	649487.154125	1854.296	IU
2401	1033168.047690	649507.678862	1856.123	IU
2402	1033181.579100	649520.846353	1857.827	IU RS
2403	1033212.648160	649521.211997	1858.287	IU RS
2404	1033204.224200	649547.319424	1858.946	RC
2405	1033154.272970	649547.197543	1859.415	RC
2406	1033153.919950	649560.674089	1859.767	RC
2407	1033103.956360	649559.631466	1860.051	RE
2408	1033054.196770	649560.081522	1860.152	RE
2409	1033004.378610	649559.670600	1860.113	RE
2410	1032954.511680	649559.301514	1860.097	RE
2411	1032904.289270	649559.208688	1859.953	RE
2412	1032854.415130	649559.020000	1859.671	RE
2413	1032804.609920	649558.871862	1859.251	RE
2414	1032754.217560	649558.433033	1858.794	RE
2415	1032703.648050	649558.068623	1858.367	RE
2416	1032652.894410	649557.894306	1857.751	RE
2417	1032602.579810	649557.428575	1857.291	RE
2418	1032551.834800	649556.633755	1856.678	RE
2419	1032501.865260	649555.861234	1855.950	RE
2420	1032451.303670	649555.788671	1855.428	RE
2421	1032402.015880	649555.945127	1855.183	RE
2422	1032402.085910	649542.598953	1854.875	RC
2423	1032402.335960	649528.586980	1854.464	RE
2424	1034172.874050	649551.104117	1867.462	CS
2425	1033201.854610	649533.538135	1858.562	RE
2426	1033207.541620	649561.141002	1859.181	RE
2427	1033253.661290	649561.144782	1858.566	RE
2428	1033303.756580	649560.942115	1857.421	RE
2429	1033353.355820	649561.922665	1857.686	RE
2430	1033403.415660	649561.968166	1858.344	RE
2431	1033453.693370	649562.137921	1858.968	RE
2432	1033503.845670	649562.360755	1859.673	RE
2433	1033553.472480	649562.175919	1860.665	RE
2434	1033553.478450	649562.176508	1860.665	RE
2435	1033603.142750	649562.624881	1861.962	RE
2436	1033603.385890	649549.148050	1861.775	RC
2437	1033603.775870	649535.208844	1861.562	RE
2438	1034172.876140	649551.104166	1867.452	CS
2439	1028897.807000	646885.605000	1816.119	RR SPK S1/4SEC30
2440	1028897.800170	646885.363851	1816.099	CS

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Point	Northing	Easting	Elevation	Note
2441	1028924.665220	648164.442352	1818.910	IH
2442	1028925.277990	648164.453024	1818.865	IH
2443	1028925.287750	648139.086838	1818.739	IH
2444	1028924.766730	648139.061323	1818.798	IH
2445	1028924.806200	648138.983318	1818.191	IH
2446	1028925.334350	648139.011830	1818.160	IH
2447	1028925.432010	648137.139202	1818.163	IH
2448	1028924.828850	648137.174976	1818.180	IH
2449	1028925.724230	648137.118291	1818.257	IU CONC
2450	1028930.138730	648137.410008	1816.753	IU CONC
2451	1028932.391050	648137.820285	1817.310	IT
2452	1028935.176650	648141.563246	1818.645	IU
2453	1028925.678750	648142.375104	1815.942	IU CONC
2454	1028927.525700	648142.898675	1814.757	IT CONC
2455	1028930.356040	648143.387759	1814.570	IT CONC
2456	1028926.838530	648144.837982	1812.856	HP 60IN CMP F/L
2457	1028925.396250	648150.396810	1812.805	HP 60IN CMP F/L
2458	1028925.386340	648156.783049	1812.937	HP 60IN CMP F/L
2459	1028925.489840	648156.689643	1814.534	IF
2460	1028925.716460	648150.283614	1814.052	IF
2461	1028927.790880	648144.947326	1813.716	IF
2462	1028934.401770	648145.887800	1815.773	IT
2463	1028932.544260	648149.063810	1814.455	IT
2464	1028931.194830	648158.477687	1814.226	IT
2465	1028926.377410	648159.044879	1814.479	IT
2466	1028925.589960	648165.248630	1818.156	IU
2467	1028943.088320	648177.117030	1819.182	IU
2468	1028945.016810	648174.025222	1815.681	IT
2469	1028946.540820	648169.930925	1814.461	IF
2470	1028949.041710	648166.691949	1814.352	IF
2471	1028952.552690	648162.842599	1814.740	IF
2472	1028953.545670	648158.511759	1815.807	IT
2473	1028953.109250	648157.260036	1818.944	IU
2474	1028997.023760	648180.608710	1819.456	IU
2475	1028997.362500	648182.666822	1815.201	IT
2476	1028988.283020	648191.821789	1814.818	IT
2477	1028991.893780	648192.847284	1814.780	HP 60IN CMP F/L
2478	1028991.973970	648191.936640	1814.629	IF
2479	1028995.844070	648192.490534	1815.744	IG
2480	1029003.785850	648192.897676	1814.627	HP 60IN CMP F/L
2481	1029015.197230	648192.712069	1814.587	HP 60IN CMP F/L
2482	1029018.107270	648192.308805	1815.530	IT
2483	1029015.091670	648192.245567	1815.383	IF DIRT
2484	1029002.909470	648192.190736	1815.638	IF DIRT
2485	1029016.423450	648189.522454	1815.599	IT
2486	1029017.922880	648186.718660	1816.417	IT
2487	1029022.136420	648185.150638	1820.018	IU
2488	1029022.439620	648187.102411	1817.583	IT
2489	1029023.798200	648189.892845	1817.973	IT
2490	1029026.130460	648194.378815	1819.898	IU RS

Point	Northing	Easting	Elevation	Note
2491	1029033.295850	648194.140839	1820.002	IU RS
2492	1029033.126050	648190.822928	1818.955	IF
2493	1029032.915430	648185.131673	1819.945	IU
2494	1029026.859560	648193.323747	1819.804	RG
2495	1029024.826590	648193.007738	1819.608	IH
2496	1029024.810600	648193.633172	1819.642	IH
2497	1028984.250170	648193.728880	1819.672	IH
2498	1028984.266790	648193.101549	1819.582	IH
2499	1028982.945070	648195.304286	1819.333	IU RS
2500	1028980.500020	648194.174068	1818.982	RG
2501	1029027.265310	648220.574277	1819.958	RG
2502	1029029.250240	648220.718872	1819.862	IU
2503	1029030.609170	648227.654284	1820.287	IU
2504	1029030.467430	648220.568819	1820.154	IH
2505	1029030.466800	648220.057743	1820.217	IH
2506	1029071.495870	648219.140120	1820.204	IH
2507	1029071.407340	648219.721683	1820.188	IH
2508	1029072.535440	648216.715628	1819.856	RG
2509	1029077.775950	648218.563151	1819.636	IU RS
2510	1029082.237170	648218.252633	1819.771	IU RS
2511	1029079.125010	648227.286037	1815.620	IT
2512	1029077.693540	648230.122583	1815.305	IF
2513	1029076.191940	648232.465317	1815.647	IT
2514	1029070.828530	648223.887397	1815.507	IT
2515	1029063.020600	648227.850762	1815.983	IT
2516	1029063.357940	648232.077304	1819.845	IU
2517	1029054.179880	648224.033312	1814.745	IT
2518	1029052.603960	648229.037411	1816.585	IT
2519	1029050.184920	648229.910060	1820.114	IU
2520	1029041.522330	648223.500908	1814.743	IT
2521	1029041.633750	648221.625740	1814.510	HP 48IN CMP F/L
2522	1029042.573970	648222.194293	1815.083	IFDIRT
2523	1029050.746950	648220.362517	1814.761	HP 48IN CMP F/L
2524	1029062.674070	648219.909224	1814.874	HP 48IN CMP F/L
2525	1029062.505750	648220.989802	1815.471	IF DIRT
2526	1029050.513990	648220.952194	1815.295	IF DIRT
2527	1028897.800510	646885.375769	1816.131	CS
2528	1028862.797820	648128.195599	1818.433	IU
2529	1028860.700750	648121.941189	1817.874	IH
2530	1028861.348170	648121.988776	1817.848	IH
2531	1028860.233340	648095.950132	1817.849	IH
2532	1028860.861500	648095.979569	1817.841	IH
2533	1028862.111370	648093.902351	1817.486	IU
2534	1028861.543050	648091.741281	1817.761	RG
2535	1028860.254980	648117.989912	1814.250	IT
2536	1028860.491140	648115.392499	1814.069	IF DIRT
2537	1028860.017590	648108.733697	1813.801	IF DIRT
2538	1028859.898250	648102.555872	1813.197	IF DIRT
2539	1028859.821490	648100.114832	1813.497	IT
2540	1028860.286810	648102.676399	1811.814	IH 48IN CMP F/L

Point	Northing	Easting	Elevation	Note
2541	1028860.376010	648108.740288	1811.877	IH 48IN CMP F/L
2542	1028860.486670	648115.529243	1811.837	IH 48IN CMP F/L
2543	1028846.770620	648087.707825	1817.666	IU
2544	1028844.771710	648089.839719	1813.351	IT
2545	1028839.344310	648101.655018	1813.947	IT
2546	1028835.102500	648109.553952	1815.957	IT
2547	1028835.023650	648110.925067	1817.839	IU
2548	1028850.453480	648106.930163	1814.582	IT
2549	1028845.969320	648115.964274	1815.998	IT
2550	1028845.449870	648118.093674	1818.174	IU
2551	1028853.137780	648124.362536	1818.456	IU
2552	1028894.286210	648129.962308	1819.256	RC
2553	1028894.354650	648080.062496	1818.644	RC
2554	1028894.364860	648030.079161	1817.854	RC
2555	1028894.818150	647980.217513	1817.627	RC
2556	1028894.511330	647930.332930	1817.830	RC
2557	1028894.559930	647880.526938	1817.992	RC
2558	1028894.875230	647830.490269	1817.910	RC
2559	1028894.892710	647780.615126	1817.756	RC
2560	1028894.995430	647730.744849	1817.731	RC
2561	1028895.294780	647679.724052	1817.718	RC
2562	1028895.341590	647629.908777	1817.693	RC
2563	1028895.432730	647579.420050	1817.801	RC
2564	1028896.117670	647529.043500	1817.855	RC
2565	1028895.620990	647480.023593	1817.972	RC
2566	1028895.677420	647430.683434	1818.158	RC
2567	1028895.696060	647380.489255	1818.352	RC
2568	1028882.492410	647380.907882	1818.060	RC
2569	1028909.015190	647381.357995	1818.157	RC
2570	1028897.800560	646885.377768	1816.131	CS
2571	1028894.133000	648179.881551	1819.118	RC
2572	1028894.344150	648229.795157	1819.339	RC
2573	1028893.862690	648279.714663	1820.380	RC
2574	1028893.804120	648329.658273	1821.117	RC
2575	1028893.894020	648379.411860	1821.561	RC
2576	1028907.448880	648378.511936	1821.409	RE
2577	1028880.613870	648379.718768	1821.237	RE
2578	1029027.017590	648206.665475	1820.154	RC DIRT
2579	1029077.460330	648206.328075	1820.208	RC DIRT
2580	1029129.133010	648206.564880	1819.843	RC DIRT
2581	1029179.082210	648206.130767	1819.954	RC DIRT
2582	1029228.121480	648206.379780	1820.211	RC DIRT
2583	1029278.184730	648206.928367	1820.565	RC DIRT
2584	1029327.733670	648206.551940	1820.822	RC DIRT
2585	1029377.312120	648206.886424	1821.127	RC DIRT
2586	1029426.412000	648207.878506	1821.443	RC DIRT
2587	1029474.172150	648207.812375	1821.883	RC DIRT
2588	1029523.975700	648208.750287	1821.612	RC DIRT
2589	1029574.242800	648208.755662	1821.815	RC DIRT
2590	1029620.305150	648208.925386	1822.076	RC DIRT

Point	Northing	Easting	Elevation	Note
2591	1029668.797960	648209.543868	1822.504	RC DIRT
2592	1029718.161450	648209.677534	1822.694	RC DIRT
2593	1028977.280140	648207.801866	1819.582	RC DIRT
2594	1028926.800630	648207.041302	1819.116	RC DIRT
2595	1028909.235840	648206.682739	1819.065	RC PAVEMENT
2596	1028880.708880	648207.112181	1818.841	RC PAVEMENT
2597	1028829.819470	648207.612605	1817.933	RC DIRT
2598	1028782.195940	648207.622879	1817.606	RC DIRT
2599	1028730.719940	648207.944188	1817.098	RC DIRT
2600	1028680.322160	648209.205368	1816.640	RC DIRT
2601	1028630.291180	648208.580081	1816.307	RC DIRT
2602	1028579.620220	648208.180710	1816.273	RC DIRT
2603	1028528.959920	648209.721527	1816.132	RC DIRT
2604	1028480.722250	648211.326413	1816.302	RC DIRT
2605	1028897.800680	646885.381828	1816.105	CS

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Point	Northing	Easting	Elevation	Note
2606	1028934.522000	648181.978000	1819.200	PANEL PT 2011
2607	1028897.807000	646885.605000	1816.119	RR SPK S1/4SEC30
2608	1027965.155000	648172.633000	1813.713	PANEL PT2010
2609	1028575.724000	645591.559000	1820.003	PANEL PT2008
2610	1028575.829019	645591.115051	1820.057	cs x sec 2
2611	1027973.793323	648136.115996	1814.004	ig
2612	1027985.809324	648085.320447	1814.312	ig
2613	1027993.942369	648050.939417	1814.393	ig
2614	1028000.672878	648022.487365	1814.173	ig
2615	1028012.399397	647972.915549	1813.174	ig
2616	1028023.841657	647924.545391	1811.605	ig
2617	1028030.236518	647897.512230	1811.127	ig
2618	1028039.675642	647857.609977	1811.439	ig
2619	1028042.145328	647847.169809	1811.295	ig
2620	1028044.400508	647837.636431	1810.773	ig
2621	1028045.518341	647832.910986	1811.039	ig
2622	1028048.925342	647818.508485	1811.058	it
2623	1028575.829019	645591.115051	1820.057	cs x sec2 end
2624	1028926.158100	648176.308100	1819.300	TRAV PT
2625	1028894.663300	648206.241300	1818.880	P.O.L. NAIL
2626	1028894.718240	648206.189371	1818.885	CS NO 2625
2627	1028971.424230	648190.080772	1819.572	IT RIPRAP CONC
2628	1028975.231040	648187.714053	1819.569	RIPRAP EDGE
2629	1028973.983720	648189.499048	1819.636	RIPRAP EDGE
2630	1028972.927550	648187.220967	1820.036	IH
2631	1028972.816050	648186.666268	1819.981	IH
2632	1028993.594520	648186.840380	1819.977	IH
2633	1028993.428170	648186.366834	1819.969	IH
2634	1029012.032360	648186.858243	1820.010	IH
2635	1029012.059280	648186.365588	1819.975	IH
2636	1029010.133370	648187.167995	1819.388	EDGE RIPRAP CONC
2637	1029010.467750	648188.598556	1819.424	EDGE RIPRAP CONC
2638	1029014.868900	648190.391780	1819.691	EDGE RIPRAP CONC
2639	1029018.786540	648188.549221	1819.683	EDGE RIPRAP CONC
2640	1029028.968580	648191.925283	1819.711	IU
2641	1029029.286630	648189.191244	1818.981	IT
2642	1029021.673070	648183.950855	1820.458	IU
2643	1029022.417740	648185.374572	1819.626	IU CONC
2644	1029022.489960	648186.355771	1819.050	IT CONC
2645	1029022.097630	648187.570133	1819.031	IT CONC
2646	1029020.865090	648188.571255	1819.617	IU CONC
2647	1029018.402990	648188.162881	1819.582	IU CONC
2648	1029018.786450	648186.572758	1818.768	IT CONC
2649	1029019.277850	648184.719147	1818.898	IT CONC
2650	1029012.161910	648186.197165	1816.563	IU
2651	1029012.427250	648185.112607	1816.279	IT
2652	1029012.812200	648183.825204	1816.531	IT
2653	1029012.903690	648182.920819	1817.028	IU CONC
2654	1029012.301890	648181.115261	1820.057	IU NG
2655	1029008.837950	648182.467775	1814.974	IT NG IU CONC
2656	1029008.493140	648184.387755	1814.645	IF CONC

Point	Northing	Easting	Elevation	Note
2657	1029007.776030	648186.083979	1814.674	IT CONC
2658	1029004.187600	648185.899463	1814.451	HP 48IN CMP
2659	1028992.382950	648185.827147	1814.468	HP 48IN CMP
2660	1028980.499400	648186.114873	1814.803	HP 48IN CMP
2661	1028971.335180	648181.449268	1814.217	IT RIPRAP EGDE
2662	1028973.808680	648171.040052	1814.034	IT RIPRAP EGDE
2663	1028973.487030	648167.691439	1819.054	IU NG
2664	1028985.392530	648174.485521	1818.659	IU NG
2665	1028986.080560	648176.147870	1814.364	EDGE RIPRAP IT
2666	1028999.801300	648180.617196	1814.598	EDGE RIPRAP IT
2667	1029000.817410	648179.093743	1820.211	IU NG
2668	1028955.019540	648157.068694	1819.250	IU NG
2669	1028952.232630	648162.694437	1813.408	IT NG
2670	1028947.865040	648169.493706	1813.823	IT NG
2671	1028943.017000	648175.450415	1819.262	IU NG
2672	1028934.600610	648141.820487	1818.519	IU NG
2673	1028932.192110	648149.750173	1813.714	IT NG
2674	1028932.550390	648160.777110	1813.984	IT NG
2675	1028932.700620	648171.776929	1819.126	IU NG
2676	1028931.233220	648188.583495	1818.838	RE DIRT
2677	1028967.254080	648191.502596	1819.581	RE DIRT
2678	1029020.365660	648191.842810	1819.681	RE DIRT
2679	1029020.205490	648190.102859	1819.645	RG GAURD REFLECT
2680	1028967.045650	648190.503425	1819.700	RG GAURD REFLECT
2681	1028958.476380	648183.740232	1819.501	IU NG
2682	1028957.210640	648189.508752	1819.809	IG NG
2683	1028894.718130	648206.189192	1818.883	CS TO PT.2625

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JOB: Name UNSKUNK,Date 1-20-1997,Time 23:44:16.41
Mode Setup: North Azimuth,Dist feet,Scale 1.0000,Earth crv OFF
Store: Pt 2003,N 1025349.0500,E 644272.0990,Elv 1799.6770,START
Store: Pt 2003,N 1025349.0500,E 644272.0990,Elv 1799.6770,CPS
Store: Pt 2030,N 1027052.6631,E 644277.8230,Elv 1799.6770,PANEL PT NAIL
Store: Pt 2030,N 1027052.9947,E 644277.8229,Elv 1792.5100,PANEL PT NAIL
Occupy: Occ 2003,N 1025349.0500,E 644272.0990,Elv 1799.6770,CPS
Backsight: Occ 2003,BS Pt 2030,BS azm 0.1133,Back circle 0.0000
HI / HR : Inst H 5.5100,Rod H 9.4100
Side Shot: 2003-2050,Ang-Rt 0.0000,Zenith 90.0636,Slp Dst 1704.2120,CS PANEL
HI / HR : Inst H 5.5100,Rod H 9.4900
Side Shot: 2003-2051,Ang-Rt 0.0000,Zenith 83.5115,Slp Dst 21.3990,IG
Side Shot: 2003-2052,Ang-Rt 0.0018,Zenith 88.0405,Slp Dst 29.9710,IG
Side Shot: 2003-2053,Ang-Rt 359.5959,Zenith 90.5947,Slp Dst 36.0800,IG
Side Shot: 2003-2054,Ang-Rt 359.5959,Zenith 93.0247,Slp Dst 57.2020,IG
Side Shot: 2003-2055,Ang-Rt 359.5959,Zenith 92.4546,Slp Dst 61.3750,IG
Side Shot: 2003-2056,Ang-Rt 359.5959,Zenith 93.4434,Slp Dst 73.4470,IG
Side Shot: 2003-2057,Ang-Rt 0.0000,Zenith 94.2535,Slp Dst 85.7240,IG
Side Shot: 2003-2058,Ang-Rt 0.0000,Zenith 94.3523,Slp Dst 120.2830,IG
Side Shot: 2003-2059,Ang-Rt 0.0000,Zenith 94.3708,Slp Dst 131.0160,IG
Side Shot: 2003-2060,Ang-Rt 0.0000,Zenith 94.3412,Slp Dst 136.8500,IG
Side Shot: 2003-2061,Ang-Rt 0.0000,Zenith 94.1137,Slp Dst 160.7870,IG
Side Shot: 2003-2062,Ang-Rt 0.0000,Zenith 94.0115,Slp Dst 176.5320,IG
Side Shot: 2003-2063,Ang-Rt 0.0000,Zenith 94.0308,Slp Dst 180.4410,IG
Side Shot: 2003-2064,Ang-Rt 0.0000,Zenith 93.5311,Slp Dst 188.8240,IG
Side Shot: 2003-2065,Ang-Rt 0.0001,Zenith 93.4056,Slp Dst 206.7470,IG
Side Shot: 2003-2066,Ang-Rt 0.0001,Zenith 93.3032,Slp Dst 217.6340,IG
Side Shot: 2003-2067,Ang-Rt 0.0000,Zenith 93.1813,Slp Dst 239.0730,IG
Side Shot: 2003-2068,Ang-Rt 0.0000,Zenith 93.0624,Slp Dst 250.6440,IG
Side Shot: 2003-2069,Ang-Rt 0.0000,Zenith 93.0734,Slp Dst 266.3460,IG
Side Shot: 2003-2070,Ang-Rt 0.0000,Zenith 93.0206,Slp Dst 290.5940,IG
Side Shot: 2003-2071,Ang-Rt 0.0000,Zenith 93.0206,Slp Dst 297.0740,IG
Side Shot: 2003-2072,Ang-Rt 0.0000,Zenith 92.5822,Slp Dst 310.4360,IG
Side Shot: 2003-2073,Ang-Rt 0.0001,Zenith 92.5146,Slp Dst 332.5350,IG
Side Shot: 2003-2074,Ang-Rt 0.0001,Zenith 92.5005,Slp Dst 334.6350,IG
Side Shot: 2003-2075,Ang-Rt 0.0001,Zenith 92.4339,Slp Dst 356.0810,IU
Side Shot: 2003-2076,Ang-Rt 0.0001,Zenith 92.5541,Slp Dst 402.7360,IT
Side Shot: 2003-2077,Ang-Rt 0.0001,Zenith 92.5418,Slp Dst 413.8110,IT
Side Shot: 2003-2078,Ang-Rt 0.0001,Zenith 92.2419,Slp Dst 449.0080,IU
Side Shot: 2003-2079,Ang-Rt 0.0001,Zenith 91.5806,Slp Dst 499.9090,IG
Side Shot: 2003-2080,Ang-Rt 0.0001,Zenith 91.4201,Slp Dst 572.1950,IG
Side Shot: 2003-2081,Ang-Rt 0.0001,Zenith 91.3735,Slp Dst 596.1320,IG
Side Shot: 2003-2082,Ang-Rt 0.0000,Zenith 91.2425,Slp Dst 651.8110,IG
Side Shot: 2003-2083,Ang-Rt 0.0001,Zenith 91.1402,Slp Dst 680.3580,IG
Side Shot: 2003-2084,Ang-Rt 0.0001,Zenith 91.0053,Slp Dst 700.5690,IG
Side Shot: 2003-2085,Ang-Rt 0.0002,Zenith 90.5551,Slp Dst 713.6380,IG
Side Shot: 2003-2086,Ang-Rt 0.0001,Zenith 90.5225,Slp Dst 723.0300,IG
Side Shot: 2003-2087,Ang-Rt 0.0001,Zenith 90.4717,Slp Dst 735.0230,IG
Side Shot: 2003-2088,Ang-Rt 0.0001,Zenith 90.4456,Slp Dst 741.1900,IG
Side Shot: 2003-2089,Ang-Rt 0.0001,Zenith 90.4018,Slp Dst 759.3240,IG
Side Shot: 2003-2090,Ang-Rt 0.0001,Zenith 90.3829,Slp Dst 774.0430,IG
Side Shot: 2003-2091,Ang-Rt 0.0001,Zenith 90.3056,Slp Dst 809.1360,IG
Side Shot: 2003-2092,Ang-Rt 0.0001,Zenith 90.2157,Slp Dst 845.8020,IG
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Side Shot: 2003-2093,Ang-Rt 0.0001,Zenith 90.1959,Slp Dst 855.6330,IG
Side Shot: 2003-2094,Ang-Rt 0.0001,Zenith 90.1837,Slp Dst 858.2030,IG
Side Shot: 2003-2095,Ang-Rt 0.0001,Zenith 90.1836,Slp Dst 863.9720,IG
Side Shot: 2003-2096,Ang-Rt 0.0001,Zenith 90.1555,Slp Dst 869.5180,IG
Side Shot: 2003-2097,Ang-Rt 0.0001,Zenith 90.1419,Slp Dst 878.1010,IG
Side Shot: 2003-2098,Ang-Rt 0.0001,Zenith 90.1443,Slp Dst 882.9350,IG
Side Shot: 2003-2099,Ang-Rt 0.0001,Zenith 90.1114,Slp Dst 888.4480,IG
HI / HR : Inst H 5.5100,Rod H 5.7600
Side Shot: 2003-2100,Ang-Rt 0.0001,Zenith 90.2451,Slp Dst 902.1610,IG
Side Shot: 2003-2101,Ang-Rt 0.0002,Zenith 90.2353,Slp Dst 919.0450,IG
Side Shot: 2003-2102,Ang-Rt 0.0002,Zenith 90.2339,Slp Dst 928.6750,IG
Side Shot: 2003-2103,Ang-Rt 0.0002,Zenith 90.2224,Slp Dst 952.6700,IG
Side Shot: 2003-2104,Ang-Rt 0.0002,Zenith 90.2524,Slp Dst 984.3660,IG
Side Shot: 2003-2105,Ang-Rt 0.0000,Zenith 90.2950,Slp Dst 1029.9230,IG
Side Shot: 2003-2106,Ang-Rt 0.0000,Zenith 90.3318,Slp Dst 1082.4750,IG
Side Shot: 2003-2107,Ang-Rt 0.0000,Zenith 90.3350,Slp Dst 1111.5040,IG
Side Shot: 2003-2108,Ang-Rt 0.0000,Zenith 90.3353,Slp Dst 1138.8940,IG
Side Shot: 2003-2109,Ang-Rt 359.5336,Zenith 90.3330,Slp Dst 1174.6240,IG
Side Shot: 2003-2110,Ang-Rt 359.5539,Zenith 90.3309,Slp Dst 1210.8860,IG
Side Shot: 2003-2111,Ang-Rt 0.0001,Zenith 90.3217,Slp Dst 1246.8370,IG
Side Shot: 2003-2112,Ang-Rt 0.0001,Zenith 90.2959,Slp Dst 1309.9870,IG
Side Shot: 2003-2113,Ang-Rt 0.0001,Zenith 90.2855,Slp Dst 1335.9780,IG
HI / HR : Inst H 5.5100,Rod H 9.4900
Side Shot: 2003-2114,Ang-Rt 0.0002,Zenith 90.1825,Slp Dst 1422.1950,IG
Side Shot: 2003-2115,Ang-Rt 0.0002,Zenith 90.1714,Slp Dst 1486.2990,IG
Side Shot: 2003-2116,Ang-Rt 0.0002,Zenith 90.1530,Slp Dst 1531.3580,IG
Side Shot: 2003-2117,Ang-Rt 0.0003,Zenith 90.1156,Slp Dst 1581.1310,IG
HI / HR : Inst H 5.5100,Rod H 5.7600
Side Shot: 2003-2118,Ang-Rt 0.0000,Zenith 90.1512,Slp Dst 1629.5930,IG
Side Shot: 2003-2119,Ang-Rt 0.0000,Zenith 90.1253,Slp Dst 1657.3830,IG
Side Shot: 2003-2120,Ang-Rt 0.0000,Zenith 90.1328,Slp Dst 1686.9410,IG
HI / HR : Inst H 5.5100,Rod H 9.4100
Side Shot: 2003-2121,Ang-Rt 0.0000,Zenith 90.0635,Slp Dst 1704.2120,CS
Store: Pt 2012,N 1031559.6120,E 647554.8570,Elv 1848.6170,PANEL PT 1/2 RB
Store: Pt 2013,N 4161512.9270,E 649205.5220,Elv 1846.0270,PANEL PT NAIL
Occupy: Occ 2012,N 1031559.6120,E 647554.8570,Elv 1848.6170,PANEL PT 1/2 RB
Backsight: Occ 2012,BS Pt 2013,BS azm 0.0149,Back circle 0.0000
HI / HR : Inst H 5.2300,Rod H 5.3300
Store: Pt 2013,N 1031512.9270,E 649205.5220,Elv 1846.0270,PANEL PT NAIL
Backsight: Occ 2012,BS Pt 2013,BS azm 91.3712,Back circle 0.0000
Store: Pt 2012,N 1031559.6120,E 647554.8570,Elv 1848.6750,PANEL PT 1/2 RB
Store: Pt 2013,N 1031512.9270,E 649205.5220,Elv 1846.0100,PANEL PT NAIL
Occupy: Occ 2012,N 1031559.6120,E 647554.8570,Elv 1848.6750,PANEL PT 1/2 RB
Backsight: Occ 2012,BS Pt 2013,BS azm 91.3712,Back circle 0.0000
Side Shot: 2012-2122,Ang-Rt 0.0000,Zenith 90.0523,Slp Dst 1651.5770,CS
HI / HR : Inst H 5.2300,Rod H 5.7600
Side Shot: 2012-2123,Ang-Rt 0.0040,Zenith 89.0716,Slp Dst 21.7080,IG
Side Shot: 2012-2124,Ang-Rt 0.0000,Zenith 90.1058,Slp Dst 45.4180,IG
Side Shot: 2012-2125,Ang-Rt 0.0000,Zenith 89.4159,Slp Dst 58.6620,IG
Side Shot: 2012-2126,Ang-Rt 0.0000,Zenith 90.1130,Slp Dst 110.2080,IG
Side Shot: 2012-2127,Ang-Rt 0.0000,Zenith 90.2459,Slp Dst 159.9600,IG
Side Shot: 2012-2128,Ang-Rt 0.0000,Zenith 90.2517,Slp Dst 211.1860,IG
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Side Shot: 2012-2129,Ang-Rt 0.0000,Zenith 90.2623,Slp Dst 259.3480,IG
Side Shot: 2012-2130,Ang-Rt 0.0000,Zenith 90.3405,Slp Dst 309.0170,IG
Side Shot: 2012-2131,Ang-Rt 0.0000,Zenith 90.3814,Slp Dst 361.3640,IG
Side Shot: 2012-2132,Ang-Rt 0.0000,Zenith 90.4731,Slp Dst 415.0970,IG
Side Shot: 2012-2133,Ang-Rt 359.5957,Zenith 91.0239,Slp Dst 462.9190,IG
Side Shot: 2012-2134,Ang-Rt 359.5957,Zenith 91.0609,Slp Dst 510.5760,IG
Side Shot: 2012-2135,Ang-Rt 0.0001,Zenith 91.0425,Slp Dst 560.9860,IG
Side Shot: 2012-2136,Ang-Rt 0.0001,Zenith 91.0101,Slp Dst 609.7360,IG
Side Shot: 2012-2137,Ang-Rt 0.0000,Zenith 90.5807,Slp Dst 658.2080,IG
Side Shot: 2012-2138,Ang-Rt 0.0000,Zenith 91.0025,Slp Dst 687.3100,IG
Side Shot: 2012-2139,Ang-Rt 0.0000,Zenith 91.0026,Slp Dst 698.6520,IG
Side Shot: 2012-2140,Ang-Rt 0.0000,Zenith 91.0006,Slp Dst 717.6740,IG
Side Shot: 2012-2141,Ang-Rt 0.0000,Zenith 90.5851,Slp Dst 730.7600,IG
Side Shot: 2012-2142,Ang-Rt 0.0000,Zenith 90.5623,Slp Dst 740.8270,IG
Side Shot: 2012-2143,Ang-Rt 0.0000,Zenith 90.4047,Slp Dst 788.7300,IG
Side Shot: 2012-2144,Ang-Rt 0.0000,Zenith 90.3308,Slp Dst 836.8880,IG
Side Shot: 2012-2145,Ang-Rt 0.0000,Zenith 90.3013,Slp Dst 885.7710,IG
Side Shot: 2012-2146,Ang-Rt 0.0000,Zenith 90.2917,Slp Dst 934.7490,IG
Side Shot: 2012-2147,Ang-Rt 0.0000,Zenith 90.2740,Slp Dst 987.0380,IG
Side Shot: 2012-2148,Ang-Rt 0.0000,Zenith 90.2601,Slp Dst 1038.8690,IG
Side Shot: 2012-2149,Ang-Rt 0.0000,Zenith 90.2429,Slp Dst 1093.2460,IG
Side Shot: 2012-2150,Ang-Rt 0.0000,Zenith 90.2146,Slp Dst 1150.4270,IG
Side Shot: 2012-2151,Ang-Rt 0.0000,Zenith 90.2014,Slp Dst 1203.1040,A
Side Shot: 2012-2152,Ang-Rt 0.0001,Zenith 90.1643,Slp Dst 1256.4700,IG
Side Shot: 2012-2153,Ang-Rt 0.0000,Zenith 90.1214,Slp Dst 1311.5850,IG
Side Shot: 2012-2154,Ang-Rt 0.0002,Zenith 90.0949,Slp Dst 1364.8350,IG
HI / HR : Inst H 5.2300,Rod H 9.4900
Side Shot: 2012-2155,Ang-Rt 0.0000,Zenith 89.5726,Slp Dst 1413.7530,IG
Side Shot: 2012-2156,Ang-Rt 0.0000,Zenith 89.5650,Slp Dst 1464.2380,IG
Side Shot: 2012-2157,Ang-Rt 0.0000,Zenith 89.5700,Slp Dst 1518.7360,IG
Side Shot: 2012-2158,Ang-Rt 359.5959,Zenith 89.5715,Slp Dst 1541.4270,IG
Side Shot: 2012-2159,Ang-Rt 359.5959,Zenith 89.5637,Slp Dst 1548.8670,IG
Side Shot: 2012-2160,Ang-Rt 359.5959,Zenith 89.5644,Slp Dst 1600.4440,IG
HI / HR : Inst H 5.2300,Rod H 5.3300
Side Shot: 2012-2161,Ang-Rt 0.0000,Zenith 90.0518,Slp Dst 1651.5750,CS
Store: Pt 2017,N 1036159.7030,E 651173.2810,Elv 1892.6700,PANEL PT NAIL
Store: Pt 2018,N 1036183.7800,E 650154.2250,Elv 1890.2900,PANEL PT NAIL
Backsight: Occ 2012,BS Pt 2013,BS azm 91.3712,Back circle 0.0000
Occupy: Occ 2018,N 1036183.7800,E 650154.2250,Elv 1890.2900,PANEL PT NAIL
Backsight: Occ 2018,BS Pt 2017,BS azm 91.2112,Back circle 0.0000
HI / HR : Inst H 5.3800,Rod H 5.5200
HI / HR : Inst H 5.3900,Rod H 5.5200
Side Shot: 2018-2162,Ang-Rt 0.0000,Zenith 89.5132,Slp Dst 1019.5320,CS
HI / HR : Inst H 5.3900,Rod H 5.7600
Side Shot: 2018-2163,Ang-Rt 0.0001,Zenith 89.4310,Slp Dst 15.5780,IG
Side Shot: 2018-2164,Ang-Rt 0.0000,Zenith 91.0430,Slp Dst 64.5660,IG
HI / HR : Inst H 5.3900,Rod H 9.4900
Side Shot: 2018-2165,Ang-Rt 0.0000,Zenith 89.1245,Slp Dst 112.1600,IG
Side Shot: 2018-2166,Ang-Rt 0.0000,Zenith 89.4810,Slp Dst 153.0340,IG
Side Shot: 2018-2167,Ang-Rt 0.0001,Zenith 90.1341,Slp Dst 254.4480,IG
HI / HR : Inst H 5.3900,Rod H 13.2800
Side Shot: 2018-2168,Ang-Rt 0.0002,Zenith 89.2413,Slp Dst 302.6860,IG
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Side Shot: 2018-2169,Ang-Rt 0.0002,Zenith 89.1640,Slp Dst 354.2220,IG
Side Shot: 2018-2170,Ang-Rt 0.0002,Zenith 89.3326,Slp Dst 393.1040,IG
Side Shot: 2018-2171,Ang-Rt 0.0002,Zenith 89.5039,Slp Dst 411.3920,IG
Side Shot: 2018-2172,Ang-Rt 0.0002,Zenith 89.5039,Slp Dst 430.9980,IG
Side Shot: 2018-2173,Ang-Rt 0.0002,Zenith 89.5038,Slp Dst 432.4780,IG
Side Shot: 2018-2174,Ang-Rt 0.0003,Zenith 89.5531,Slp Dst 480.2820,IG
HI / HR : Inst H 5.3900,Rod H 17.2200
Side Shot: 2018-2175,Ang-Rt 0.0000,Zenith 89.3231,Slp Dst 523.9880,IG
Side Shot: 2018-2176,Ang-Rt 0.0000,Zenith 89.3318,Slp Dst 538.3020,IU
Side Shot: 2018-2177,Ang-Rt 0.1735,Zenith 89.4758,Slp Dst 550.3720,IT
Side Shot: 2018-2178,Ang-Rt 0.2739,Zenith 89.5222,Slp Dst 565.6740,IT
Side Shot: 2018-2179,Ang-Rt 0.0002,Zenith 89.3458,Slp Dst 571.2820,IU
Side Shot: 2018-2180,Ang-Rt 0.0002,Zenith 89.1956,Slp Dst 579.2780,IU
Side Shot: 2018-2181,Ang-Rt 0.0002,Zenith 89.0759,Slp Dst 600.4020,IG
Side Shot: 2018-2182,Ang-Rt 0.0002,Zenith 89.0535,Slp Dst 618.9480,IG
Side Shot: 2018-2183,Ang-Rt 0.0002,Zenith 89.1132,Slp Dst 647.7060,IU
HI / HR : Inst H 5.3900,Rod H 13.2800
Side Shot: 2018-2184,Ang-Rt 0.0703,Zenith 89.4533,Slp Dst 674.3480,IU
HI / HR : Inst H 5.3900,Rod H 17.2200
Side Shot: 2018-2185,Ang-Rt 0.0000,Zenith 89.4214,Slp Dst 694.0800,IT
Side Shot: 2018-2186,Ang-Rt 0.0000,Zenith 89.4051,Slp Dst 703.3360,IT
Side Shot: 2018-2187,Ang-Rt 0.0000,Zenith 89.3600,Slp Dst 707.0860,IU
Side Shot: 2018-2188,Ang-Rt 0.0000,Zenith 89.3030,Slp Dst 717.5620,IU
Side Shot: 2018-2189,Ang-Rt 0.0000,Zenith 89.2203,Slp Dst 726.9660,IU
Side Shot: 2018-2190,Ang-Rt 0.0000,Zenith 89.1640,Slp Dst 754.6820,IG
Side Shot: 2018-2191,Ang-Rt 0.0000,Zenith 89.1605,Slp Dst 765.7040,IG
Side Shot: 2018-2192,Ang-Rt 0.0000,Zenith 89.2214,Slp Dst 816.3080,IG
Side Shot: 2018-2193,Ang-Rt 0.0000,Zenith 89.2114,Slp Dst 863.2200,IG
Side Shot: 2018-2194,Ang-Rt 0.0000,Zenith 89.1909,Slp Dst 909.2280,IG
Side Shot: 2018-2195,Ang-Rt 0.0000,Zenith 89.1644,Slp Dst 926.8160,IG
Side Shot: 2018-2196,Ang-Rt 0.0000,Zenith 89.1811,Slp Dst 946.3620,IG
Side Shot: 2018-2197,Ang-Rt 0.0000,Zenith 89.1557,Slp Dst 968.9300,IG
Side Shot: 2018-2198,Ang-Rt 0.0000,Zenith 89.1318,Slp Dst 985.8020,IG
Side Shot: 2018-2199,Ang-Rt 0.0000,Zenith 89.1100,Slp Dst 1001.0640,IG
Side Shot: 2018-2200,Ang-Rt 0.0000,Zenith 89.1230,Slp Dst 1008.3320,IG
HI / HR : Inst H 5.3900,Rod H 5.5200
Side Shot: 2018-2201,Ang-Rt 0.0000,Zenith 89.5130,Slp Dst 1019.5280,CS
Store: Pt 2026,N 1039434.9410,E 650931.0370,Elv 1938.9400,PANEL PT NAIL
Store: Pt 2023,N 1039458.0430,E 652774.2850,Elv 1934.5800,PANEL PT NAIL
Occupy: Occ 2026,N 1039434.9410,E 650931.0370,Elv 1938.9400,PANEL PT NAIL
Backsight: Occ 2026,BS Pt 2023,BS azm 89.1655,Back circle 0.0000
Backsight: Occ 2026,BS Pt 2023,BS azm 89.1655,Back circle 0.0000
HI / HR : Inst H 5.3100,Rod H 9.0000
Backsight: Occ 2026,BS Pt 2023,BS azm 89.1655,Back circle 0.0000
Side Shot: 2026-2202,Ang-Rt 0.0000,Zenith 90.0116,Slp Dst 1843.7060,CS
Side Shot: 2026-2203,Ang-Rt 0.0000,Zenith 89.2133,Slp Dst 46.9320,IG
Side Shot: 2026-2204,Ang-Rt 0.0001,Zenith 89.5354,Slp Dst 89.6560,IG
HI / HR : Inst H 5.3100,Rod H 5.7600
Side Shot: 2026-2203,Ang-Rt 0.0002,Zenith 89.2251,Slp Dst 47.4720,IG
Side Shot: 2026-2204,Ang-Rt 0.0002,Zenith 89.5505,Slp Dst 92.5840,IG
Side Shot: 2026-2205,Ang-Rt 0.0000,Zenith 90.0954,Slp Dst 138.2860,IG
Side Shot: 2026-2206,Ang-Rt 0.0000,Zenith 90.1407,Slp Dst 187.1620,IG
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Side Shot: 2026-2207,Ang-Rt 0.0000,Zenith 90.1409,Slp Dst 236.3820,IG
Side Shot: 2026-2208,Ang-Rt 0.0000,Zenith 90.2019,Slp Dst 284.7060,IG
Side Shot: 2026-2209,Ang-Rt 0.0000,Zenith 90.2355,Slp Dst 335.4120,IG
Side Shot: 2026-2210,Ang-Rt 0.0000,Zenith 90.2153,Slp Dst 380.4620,IG
Side Shot: 2026-2211,Ang-Rt 0.0000,Zenith 90.2027,Slp Dst 432.8720,IG
Side Shot: 2026-2212,Ang-Rt 0.0000,Zenith 90.1424,Slp Dst 482.6720,IG
Side Shot: 2026-2213,Ang-Rt 0.0000,Zenith 90.1303,Slp Dst 537.5220,IG
Side Shot: 2026-2214,Ang-Rt 0.0000,Zenith 90.1023,Slp Dst 588.0720,IG
Side Shot: 2026-2215,Ang-Rt 0.0000,Zenith 90.0940,Slp Dst 636.1560,IG
Side Shot: 2026-2216,Ang-Rt 0.0000,Zenith 90.0728,Slp Dst 683.3560,IG
Side Shot: 2026-2217,Ang-Rt 0.0000,Zenith 90.0828,Slp Dst 731.6440,IG
Side Shot: 2026-2218,Ang-Rt 0.0000,Zenith 90.0927,Slp Dst 789.5280,IG
Side Shot: 2026-2219,Ang-Rt 0.0000,Zenith 90.1004,Slp Dst 837.4780,IG
Side Shot: 2026-2220,Ang-Rt 0.0000,Zenith 90.1207,Slp Dst 886.1880,IG
Side Shot: 2026-2221,Ang-Rt 0.0000,Zenith 90.1709,Slp Dst 936.2700,IG
Side Shot: 2026-2222,Ang-Rt 0.0000,Zenith 90.1923,Slp Dst 986.0820,IG
Side Shot: 2026-2223,Ang-Rt 0.0000,Zenith 90.2048,Slp Dst 1035.1660,IG
Side Shot: 2026-2224,Ang-Rt 0.0000,Zenith 90.2112,Slp Dst 1080.1060,IG
Side Shot: 2026-2225,Ang-Rt 0.0000,Zenith 90.2526,Slp Dst 1117.5060,IG
Side Shot: 2026-2226,Ang-Rt 0.0001,Zenith 90.2703,Slp Dst 1133.4400,IG
Side Shot: 2026-2227,Ang-Rt 0.0001,Zenith 90.2704,Slp Dst 1143.8520,IG
Side Shot: 2026-2228,Ang-Rt 0.0001,Zenith 90.2833,Slp Dst 1153.8780,IG
HI / HR : Inst H 5.3100,Rod H 13.2800
Side Shot: 2026-2229,Ang-Rt 0.0001,Zenith 90.0709,Slp Dst 1199.2560,IU
Side Shot: 2026-2230,Ang-Rt 0.0001,Zenith 90.1008,Slp Dst 1209.6700,IT
Side Shot: 2026-2231,Ang-Rt 0.0001,Zenith 90.1035,Slp Dst 1213.1320,IT
Side Shot: 2026-2232,Ang-Rt 0.0000,Zenith 90.0659,Slp Dst 1220.5140,IU
HI / HR : Inst H 5.3100,Rod H 5.7600
Side Shot: 2026-2233,Ang-Rt 0.0000,Zenith 90.2339,Slp Dst 1247.3200,IG
Side Shot: 2026-2234,Ang-Rt 0.0000,Zenith 90.2120,Slp Dst 1263.3020,IG
Side Shot: 2026-2235,Ang-Rt 0.0000,Zenith 90.2100,Slp Dst 1301.1480,IG
Side Shot: 2026-2236,Ang-Rt 0.0001,Zenith 90.1551,Slp Dst 1399.3380,IG
Side Shot: 2026-2237,Ang-Rt 0.0001,Zenith 90.1443,Slp Dst 1431.2340,IG
HI / HR : Inst H 5.3100,Rod H 9.4900
Side Shot: 2026-2238,Ang-Rt 0.0001,Zenith 90.0755,Slp Dst 1483.4840,IG
Side Shot: 2026-2239,Ang-Rt 0.0001,Zenith 90.0349,Slp Dst 1737.9380,IG
Side Shot: 2026-2240,Ang-Rt 0.0002,Zenith 90.0604,Slp Dst 1564.7080,IG
Side Shot: 2026-2241,Ang-Rt 0.0002,Zenith 90.0313,Slp Dst 1790.8300,IG
Side Shot: 2026-2242,Ang-Rt 0.0002,Zenith 90.0312,Slp Dst 1843.7080,IG
HI / HR : Inst H 5.3100,Rod H 5.7600
Side Shot: 2026-2242,Ang-Rt 0.0002,Zenith 90.0931,Slp Dst 1617.4520,IG
Side Shot: 2026-2243,Ang-Rt 0.0000,Zenith 90.0809,Slp Dst 1666.3920,IG
Side Shot: 2026-2244,Ang-Rt 0.0000,Zenith 90.0848,Slp Dst 1741.5960,IG
Side Shot: 2026-2245,Ang-Rt 0.0000,Zenith 90.1257,Slp Dst 1772.2080,IG
Side Shot: 2026-2246,Ang-Rt 0.0000,Zenith 90.1258,Slp Dst 1778.7480,IG
Side Shot: 2026-2247,Ang-Rt 0.0000,Zenith 90.1007,Slp Dst 1790.8620,IG
Side Shot: 2026-2248,Ang-Rt 0.0000,Zenith 90.0819,Slp Dst 1822.6160,IG
HI / HR : Inst H 5.3100,Rod H 9.0000
Side Shot: 2026-2249,Ang-Rt 359.5959,Zenith 90.0116,Slp Dst 1843.7040,CS
Store: Pt 2008,N 1028575.7240,E 645591.5590,Elv 1820.0000,PANEL PT NAIL
Store: Pt 2010,N 1027965.1550,E 648172.6330,Elv 1813.7400,PANEL PT NAIL
Occupy: Occ 2008,N 1028575.7240,E 645591.5590,Elv 1820.0000,PANEL PT NAIL
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Backsight: Occ 2008,BS Pt 2010,BS azm 103.1832,Back circle 0.0000
HI / HR : Inst H 5.1600,Rod H 13.0500
Side Shot: 2008-2250,Ang-Rt 0.0000,Zenith 89.5755,Slp Dst 2652.6080,CS
HI / HR : Inst H 5.1600,Rod H 5.7600
Side Shot: 2008-2251,Ang-Rt 0.0001,Zenith 88.5648,Slp Dst 36.3360,IG
Side Shot: 2008-2252,Ang-Rt 0.0000,Zenith 89.2004,Slp Dst 91.1480,IG
Side Shot: 2008-2253,Ang-Rt 0.0001,Zenith 89.2712,Slp Dst 147.6660,IG
Side Shot: 2008-2254,Ang-Rt 0.0000,Zenith 89.3539,Slp Dst 206.6860,IG
Side Shot: 2008-2255,Ang-Rt 0.0000,Zenith 89.4227,Slp Dst 260.3340,IG
Side Shot: 2008-2256,Ang-Rt 0.0000,Zenith 89.4438,Slp Dst 314.9340,IG
Side Shot: 2008-2257,Ang-Rt 0.0000,Zenith 89.4753,Slp Dst 382.6700,IG
Side Shot: 2008-2258,Ang-Rt 0.0000,Zenith 89.5735,Slp Dst 450.7440,IG
HI / HR : Inst H 5.1600,Rod H 9.4900
Side Shot: 2008-2259,Ang-Rt 0.0000,Zenith 89.4608,Slp Dst 524.3320,IG
Side Shot: 2008-2260,Ang-Rt 0.0000,Zenith 89.5544,Slp Dst 588.1480,IG
HI / HR : Inst H 5.1600,Rod H 13.2800
Side Shot: 2008-2261,Ang-Rt 0.0001,Zenith 89.4414,Slp Dst 650.9060,IG
Side Shot: 2008-2262,Ang-Rt 0.0001,Zenith 89.5301,Slp Dst 711.4760,IG
HI / HR : Inst H 5.1600,Rod H 17.2200
Side Shot: 2008-2263,Ang-Rt 359.5959,Zenith 89.4706,Slp Dst 802.8200,IG
HI / HR : Inst H 5.1600,Rod H 21.2500
Side Shot: 2008-2264,Ang-Rt 359.5959,Zenith 89.4318,Slp Dst 914.6960,IG
Side Shot: 2008-2265,Ang-Rt 359.5959,Zenith 89.4355,Slp Dst 1000.7920,IG
Side Shot: 2008-2266,Ang-Rt 0.0426,Zenith 89.4835,Slp Dst 1121.2040,IG
Side Shot: 2008-2267,Ang-Rt 0.0000,Zenith 89.4852,Slp Dst 1204.0400,IG
Side Shot: 2008-2268,Ang-Rt 359.5959,Zenith 89.4751,Slp Dst 1286.7120,IG
Side Shot: 2008-2269,Ang-Rt 359.5959,Zenith 89.4716,Slp Dst 1388.9360,IG
Side Shot: 2008-2270,Ang-Rt 359.5959,Zenith 89.4519,Slp Dst 1494.6780,IG
Side Shot: 2008-2271,Ang-Rt 359.5959,Zenith 89.4520,Slp Dst 1576.8120,IG
HI / HR : Inst H 5.1600,Rod H 17.2200
Side Shot: 2008-2272,Ang-Rt 0.0000,Zenith 89.5359,Slp Dst 1662.4660,IG
Side Shot: 2008-2273,Ang-Rt 0.0000,Zenith 89.5421,Slp Dst 1745.1180,IG
Side Shot: 2008-2274,Ang-Rt 0.0000,Zenith 89.5451,Slp Dst 1839.6680,IG
Side Shot: 2008-2275,Ang-Rt 0.0000,Zenith 89.5535,Slp Dst 1873.5000,IG
Side Shot: 2008-2276,Ang-Rt 0.0000,Zenith 89.5607,Slp Dst 2011.3200,IG
Side Shot: 2008-2277,Ang-Rt 0.0000,Zenith 89.5633,Slp Dst 2238.4560,IG
Side Shot: 2008-2278,Ang-Rt 359.5959,Zenith 89.5632,Slp Dst 2384.3580,IU
HI / HR : Inst H 5.1600,Rod H 21.2500
Side Shot: 2008-2279,Ang-Rt 359.5959,Zenith 89.5114,Slp Dst 2118.5900,IF
Side Shot: 2008-2280,Ang-Rt 359.5959,Zenith 89.5006,Slp Dst 2124.8720,IU
HI / HR : Inst H 5.1600,Rod H 17.2200
Side Shot: 2008-2281,Ang-Rt 359.5959,Zenith 89.5620,Slp Dst 2448.9040,IG
Side Shot: 2008-2282,Ang-Rt 359.5959,Zenith 89.5542,Slp Dst 2488.3940,IU
HI / HR : Inst H 5.1600,Rod H 21.2500
Side Shot: 2008-2283,Ang-Rt 359.5959,Zenith 89.5253,Slp Dst 2275.8280,IT
Side Shot: 2008-2284,Ang-Rt 359.5959,Zenith 89.5231,Slp Dst 2284.8980,IT
Side Shot: 2008-2285,Ang-Rt 359.5959,Zenith 89.4928,Slp Dst 2287.0760,IU
Side Shot: 2008-2286,Ang-Rt 359.5959,Zenith 89.4929,Slp Dst 2363.3220,IG
Side Shot: 2008-2287,Ang-Rt 359.5959,Zenith 89.4819,Slp Dst 2425.0780,IG
Side Shot: 2008-2288,Ang-Rt 359.5959,Zenith 89.4611,Slp Dst 2486.7880,IG
Side Shot: 2008-2289,Ang-Rt 359.5959,Zenith 89.4609,Slp Dst 2550.6260,IG
Side Shot: 2008-2290,Ang-Rt 359.5959,Zenith 89.4643,Slp Dst 2607.5080,IG
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HI / HR : Inst H 5.1600,Rod H 13.0500
Side Shot: 2008-2291,Ang-Rt 0.0000,Zenith 89.5753,Slp Dst 2652.6140,CS
HI / HR : Inst H 5.1600,Rod H 25.2500
Store: Pt 2294,N 1034172.7840,E 649551.1020,Elv 1867.4700,PT 4 SW CORSEC20
Store: Pt 2015,N 1034149.4120,E 650052.3300,Elv 1867.0200,PANEL PT 2015
Occupy: Occ 2015,N 1034149.4120,E 650052.3300,Elv 1867.0200,PANEL PT 2015
Backsight: Occ 2015,BS Pt 2294,BS azm 272.4011,Back circle 0.0000
Backsight: Occ 2015,BS Pt 2294,BS azm 272.4011,Back circle 0.0000
HI / HR : Inst H 5.2800,Rod H 5.7000
Side Shot: 2015-2295,Ang-Rt 0.0000,Zenith 89.5352,Slp Dst 501.8480,CS
HI / HR : Inst H 5.2800,Rod H 4.7200
Side Shot: 2015-2296,Ang-Rt 345.4320,Zenith 88.2510,Slp Dst 36.1620,IH COR
Side Shot: 2015-2297,Ang-Rt 344.4855,Zenith 88.2655,Slp Dst 36.3220,IH COR
Side Shot: 2015-2298,Ang-Rt 350.3023,Zenith 88.5926,Slp Dst 59.3680,IH COR
Side Shot: 2015-2299,Ang-Rt 351.0638,Zenith 89.0321,Slp Dst 59.2940,IH COR
Side Shot: 2015-2300,Ang-Rt 40.4438,Zenith 88.3443,Slp Dst 74.9120,IH COR
Side Shot: 2015-2301,Ang-Rt 41.0406,Zenith 88.3450,Slp Dst 75.3240,IH COR
Side Shot: 2015-2302,Ang-Rt 56.1932,Zenith 88.0733,Slp Dst 60.5280,IH COR
Side Shot: 2015-2303,Ang-Rt 56.0151,Zenith 88.0736,Slp Dst 59.9840,IH COR
HI / HR : Inst H 5.2800,Rod H 8.7200
Side Shot: 2015-2304,Ang-Rt 50.0754,Zenith 91.5049,Slp Dst 65.7020,HP 60IN CMP
Side Shot: 2015-2305,Ang-Rt 45.2820,Zenith 91.4924,Slp Dst 69.8760,HP 60IN CMP
Side Shot: 2015-2306,Ang-Rt 39.2637,Zenith 89.3933,Slp Dst 89.2520,IU
Side Shot: 2015-2307,Ang-Rt 44.3651,Zenith 91.3227,Slp Dst 72.3820,IT
Side Shot: 2015-2308,Ang-Rt 49.0006,Zenith 91.5236,Slp Dst 68.4980,IF
Side Shot: 2015-2309,Ang-Rt 53.5423,Zenith 91.3202,Slp Dst 65.0320,IT
Side Shot: 2015-2310,Ang-Rt 60.5224,Zenith 88.5410,Slp Dst 60.0860,IU
Side Shot: 2015-2311,Ang-Rt 347.0915,Zenith 94.1335,Slp Dst 43.8160,HP 60IN CM
Side Shot: 2015-2312,Ang-Rt 348.2240,Zenith 93.2356,Slp Dst 51.4580,HP 60IN CM
Side Shot: 2015-2313,Ang-Rt 346.3453,Zenith 93.2747,Slp Dst 54.7420,IT
Side Shot: 2015-2314,Ang-Rt 345.0804,Zenith 93.2833,Slp Dst 47.2000,IF
Side Shot: 2015-2315,Ang-Rt 344.5832,Zenith 93.4459,Slp Dst 43.0920,IT
Side Shot: 2015-2316,Ang-Rt 328.5807,Zenith 90.2553,Slp Dst 40.6220,IU IG
Side Shot: 2015-2317,Ang-Rt 342.5130,Zenith 90.5302,Slp Dst 63.2260,IU IG
Side Shot: 2015-2318,Ang-Rt 353.3359,Zenith 86.4024,Slp Dst 61.8760,RS IU
Side Shot: 2015-2319,Ang-Rt 345.4337,Zenith 83.4956,Slp Dst 32.6120,RS IU
HI / HR : Inst H 5.2800,Rod H 4.7200
Side Shot: 2015-2320,Ang-Rt 59.0608,Zenith 90.2352,Slp Dst 56.2400,RS IU
Side Shot: 2015-2321,Ang-Rt 38.0935,Zenith 90.0950,Slp Dst 76.2500,RS IU
Side Shot: 2015-2322,Ang-Rt 24.2357,Zenith 89.1704,Slp Dst 50.6640,RC
Side Shot: 2015-2323,Ang-Rt 99.3440,Zenith 89.4516,Slp Dst 22.6460,RC
Side Shot: 2015-2324,Ang-Rt 155.2923,Zenith 90.2509,Slp Dst 58.9240,RC
Side Shot: 2015-2325,Ang-Rt 165.4041,Zenith 90.0956,Slp Dst 106.8460,RC
Side Shot: 2015-2326,Ang-Rt 169.3700,Zenith 89.5952,Slp Dst 155.9840,RC
Side Shot: 2015-2327,Ang-Rt 171.3900,Zenith 89.5059,Slp Dst 205.5900,RC
Side Shot: 2015-2328,Ang-Rt 172.5137,Zenith 89.4428,Slp Dst 255.3340,RC
Side Shot: 2015-2329,Ang-Rt 173.3639,Zenith 89.3747,Slp Dst 305.0060,RC
Side Shot: 2015-2330,Ang-Rt 174.1138,Zenith 89.3112,Slp Dst 354.8840,RC
Side Shot: 2015-2331,Ang-Rt 174.4203,Zenith 89.2514,Slp Dst 405.4360,RC
Side Shot: 2015-2332,Ang-Rt 10.5824,Zenith 89.3515,Slp Dst 97.7580,RC
Side Shot: 2015-2333,Ang-Rt 6.2739,Zenith 89.4651,Slp Dst 146.8140,RC
Side Shot: 2015-2334,Ang-Rt 4.1945,Zenith 89.5225,Slp Dst 196.2740,RC
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Side Shot: 2015-2335,Ang-Rt 2.5623,Zenith 89.5754,Slp Dst 245.8980,RC
Side Shot: 2015-2336,Ang-Rt 2.0405,Zenith 89.5918,Slp Dst 295.6640,RC
Side Shot: 2015-2337,Ang-Rt 1.2909,Zenith 89.5831,Slp Dst 345.5120,RC
Side Shot: 2015-2338,Ang-Rt 0.5742,Zenith 89.5806,Slp Dst 395.2700,RC
Side Shot: 2015-2339,Ang-Rt 0.3534,Zenith 89.5821,Slp Dst 445.0960,RC
Side Shot: 2015-2340,Ang-Rt 0.0142,Zenith 89.5803,Slp Dst 496.5940,RC
Side Shot: 2015-2341,Ang-Rt 1.1033,Zenith 89.5223,Slp Dst 549.0960,RE
Side Shot: 2015-2342,Ang-Rt 0.3924,Zenith 89.5141,Slp Dst 600.5480,RE
Side Shot: 2015-2343,Ang-Rt 0.1414,Zenith 89.5237,Slp Dst 651.5520,RE
Side Shot: 2015-2344,Ang-Rt 358.3447,Zenith 89.5839,Slp Dst 698.6240,RC
Side Shot: 2015-2345,Ang-Rt 358.1536,Zenith 90.0052,Slp Dst 748.0280,RC
Side Shot: 2015-2346,Ang-Rt 358.0042,Zenith 89.5600,Slp Dst 799.1420,RC
HI / HR : Inst H 5.2800,Rod H 0.2200
Side Shot: 2015-2347,Ang-Rt 357.4650,Zenith 90.1020,Slp Dst 848.2460,RC
HI / HR : Inst H 5.2800,Rod H 5.7000
Side Shot: 2015-2348,Ang-Rt 0.0000,Zenith 89.5358,Slp Dst 501.8520,CS
Store: Pt 2349,N 1031532.0670,E 649538.5470,Elv 1849.1300,PT5 C-P E1/4SC30
Occupy: Occ 2349,N 1031532.0670,E 649538.5470,Elv 1849.1300,PT5 C-P E1/4SC30
Backsight: Occ 2349,BS Pt 2294,BS azm 0.1621,Back circle 0.0000
HI / HR : Inst H 0.0000,Rod H 0.0000
Traverse: 2349-2350,Ang-Lt 0.3651,Elv 0.0000,Horiz 1680.4470,TRAV PT
Store: Pt 2350,N 1033212.4844,E 649528.5234,Elv 1858.5300,TRAV PT
Occupy: Occ 2350,N 1033212.4844,E 649528.5234,Elv 1858.5300,TRAV PT
Backsight: Occ 2350,BS Pt 2294,BS azm 1.2049,Back circle 0.0000
HI / HR : Inst H 5.3400,Rod H 5.7000
Side Shot: 2350-2351,Ang-Rt 0.0000,Zenith 89.2648,Slp Dst 960.7000,CS
Side Shot: 2350-2352,Ang-Rt 251.2506,Zenith 85.4532,Slp Dst 10.7100,F
HI / HR : Inst H 5.3400,Rod H 4.7200
Side Shot: 2350-2352,Ang-Rt 251.2506,Zenith 85.4527,Slp Dst 10.7120,IH
Side Shot: 2350-2353,Ang-Rt 251.5927,Zenith 86.0326,Slp Dst 11.2580,IH
Side Shot: 2350-2354,Ang-Rt 199.1031,Zenith 88.3341,Slp Dst 28.5420,IH
Side Shot: 2350-2355,Ang-Rt 198.0152,Zenith 88.3104,Slp Dst 28.3260,IH
Side Shot: 2350-2356,Ang-Rt 77.1847,Zenith 89.0645,Slp Dst 47.1360,IH
Side Shot: 2350-2357,Ang-Rt 77.1117,Zenith 89.0530,Slp Dst 46.5520,IH
Side Shot: 2350-2358,Ang-Rt 101.2637,Zenith 89.0405,Slp Dst 46.8320,IH
Side Shot: 2350-2359,Ang-Rt 100.3000,Zenith 89.0136,Slp Dst 47.2220,IH
HI / HR : Inst H 5.3400,Rod H 0.2000
Side Shot: 2350-2360,Ang-Rt 98.2554,Zenith 93.4727,Slp Dst 56.9840,IH
Side Shot: 2350-2361,Ang-Rt 98.5448,Zenith 93.4256,Slp Dst 57.0200,IH
HI / HR : Inst H 5.3400,Rod H 8.7200
Side Shot: 2350-2362,Ang-Rt 95.1654,Zenith 94.0809,Slp Dst 46.7800,HB 60IN CMP
Side Shot: 2350-2363,Ang-Rt 86.2359,Zenith 94.1034,Slp Dst 46.4260,HB 60IN CMP
Side Shot: 2350-2364,Ang-Rt 80.2742,Zenith 92.5939,Slp Dst 48.1760,IT
Side Shot: 2350-2365,Ang-Rt 90.3227,Zenith 94.1227,Slp Dst 47.1320,IF
Side Shot: 2350-2366,Ang-Rt 100.0419,Zenith 94.3057,Slp Dst 47.5700,IF
Side Shot: 2350-2367,Ang-Rt 98.1832,Zenith 93.3826,Slp Dst 51.0880,IT
Side Shot: 2350-2368,Ang-Rt 96.0050,Zenith 89.4813,Slp Dst 56.4460,IU
Side Shot: 2350-2369,Ang-Rt 91.2748,Zenith 93.1807,Slp Dst 56.2100,IT
Side Shot: 2350-2370,Ang-Rt 76.4637,Zenith 92.0405,Slp Dst 47.4640,FL CHNLNK B
Side Shot: 2350-2371,Ang-Rt 70.0148,Zenith 91.2259,Slp Dst 49.1540,FL CHNLNK B
Side Shot: 2350-2372,Ang-Rt 64.4345,Zenith 90.3541,Slp Dst 51.0580,FL CHNLNK B
Side Shot: 2350-2373,Ang-Rt 59.3818,Zenith 91.1439,Slp Dst 55.1100,FL CHNLNK B
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Side Shot: 2350-2374,Ang-Rt 51.2919,Zenith 89.5654,Slp Dst 60.1400,FL CHNLNK B
Side Shot: 2350-2375,Ang-Rt 48.2336,Zenith 88.1723,Slp Dst 59.8060,FL CHNLNK B
Side Shot: 2350-2376,Ang-Rt 48.4427,Zenith 87.2153,Slp Dst 59.2440,FL CHNLNK T
Side Shot: 2350-2377,Ang-Rt 50.2954,Zenith 87.4409,Slp Dst 59.8920,FL CHNLNK T
Side Shot: 2350-2378,Ang-Rt 59.1514,Zenith 87.5202,Slp Dst 54.5220,FL CHNLNK T
Side Shot: 2350-2379,Ang-Rt 67.0827,Zenith 87.1508,Slp Dst 49.2780,FL CHNLNK T
Side Shot: 2350-2380,Ang-Rt 73.0035,Zenith 87.2257,Slp Dst 47.9840,FL CHNLNK T
Side Shot: 2350-2381,Ang-Rt 76.2134,Zenith 87.1449,Slp Dst 47.0840,FL CHNLNK T
Side Shot: 2350-2382,Ang-Rt 53.1934,Zenith 87.5741,Slp Dst 64.0620,IU
Side Shot: 2350-2383,Ang-Rt 61.0401,Zenith 91.4002,Slp Dst 65.7540,IT
Side Shot: 2350-2384,Ang-Rt 67.3747,Zenith 92.2242,Slp Dst 67.5360,IT
Side Shot: 2350-2385,Ang-Rt 73.0318,Zenith 90.0141,Slp Dst 71.7160,IU
Side Shot: 2350-2386,Ang-Rt 222.2353,Zenith 101.1225,Slp Dst 16.6240,HB 60IN C
Side Shot: 2350-2387,Ang-Rt 208.5029,Zenith 98.0534,Slp Dst 23.0380,HB 60IN CM
Side Shot: 2350-2388,Ang-Rt 210.5725,Zenith 97.5229,Slp Dst 25.8480,IT
Side Shot: 2350-2389,Ang-Rt 231.0341,Zenith 101.3114,Slp Dst 17.8340,IT
Side Shot: 2350-2390,Ang-Rt 263.3403,Zenith 97.4908,Slp Dst 16.9160,IT
Side Shot: 2350-2391,Ang-Rt 265.3007,Zenith 99.0213,Slp Dst 19.1960,IF
Side Shot: 2350-2392,Ang-Rt 265.3128,Zenith 95.3457,Slp Dst 20.7100,IT
Side Shot: 2350-2393,Ang-Rt 265.2923,Zenith 92.1843,Slp Dst 26.0920,IU
Side Shot: 2350-2394,Ang-Rt 231.2547,Zenith 97.5835,Slp Dst 28.1160,IT
Side Shot: 2350-2395,Ang-Rt 218.1735,Zenith 98.0037,Slp Dst 30.9600,IT
Side Shot: 2350-2396,Ang-Rt 211.4544,Zenith 93.5937,Slp Dst 34.1200,IT
Side Shot: 2350-2397,Ang-Rt 215.1019,Zenith 92.4915,Slp Dst 50.5080,IT
Side Shot: 2350-2398,Ang-Rt 229.4757,Zenith 93.2637,Slp Dst 47.4020,IF
Side Shot: 2350-2399,Ang-Rt 245.3620,Zenith 93.0450,Slp Dst 42.9420,IT
Side Shot: 2350-2400,Ang-Rt 252.2220,Zenith 91.0808,Slp Dst 43.1060,IU
HI / HR : Inst H 5.3400,Rod H 4.7200
Side Shot: 2350-2401,Ang-Rt 203.4701,Zenith 93.3144,Slp Dst 49.1760,IU
Side Shot: 2350-2402,Ang-Rt 192.3612,Zenith 92.2242,Slp Dst 31.8720,IU RS
Side Shot: 2350-2403,Ang-Rt 269.5610,Zenith 96.4353,Slp Dst 7.3640,IU RS
Side Shot: 2350-2404,Ang-Rt 112.2237,Zenith 90.3407,Slp Dst 20.5320,RC
Side Shot: 2350-2405,Ang-Rt 160.5201,Zenith 89.4505,Slp Dst 61.1340,RC
Side Shot: 2350-2406,Ang-Rt 149.5314,Zenith 89.2815,Slp Dst 66.8120,RC
Side Shot: 2350-2407,Ang-Rt 162.3932,Zenith 89.3233,Slp Dst 112.9020,RE
Side Shot: 2350-2408,Ang-Rt 167.2240,Zenith 89.3839,Slp Dst 161.4060,RE
Side Shot: 2350-2409,Ang-Rt 170.0827,Zenith 89.4416,Slp Dst 210.4260,RE
Side Shot: 2350-2410,Ang-Rt 171.5058,Zenith 89.4728,Slp Dst 259.8040,RE
Side Shot: 2350-2411,Ang-Rt 172.5802,Zenith 89.5105,Slp Dst 309.7200,RE
Side Shot: 2350-2412,Ang-Rt 173.4706,Zenith 89.5501,Slp Dst 359.3660,RE
Side Shot: 2350-2413,Ang-Rt 174.2352,Zenith 89.5909,Slp Dst 409.0020,RE
Side Shot: 2350-2414,Ang-Rt 174.5508,Zenith 90.0240,Slp Dst 459.2420,RE
Side Shot: 2350-2415,Ang-Rt 175.1948,Zenith 90.0517,Slp Dst 509.6940,RE
Side Shot: 2350-2416,Ang-Rt 175.3855,Zenith 90.0835,Slp Dst 560.3620,RE
Side Shot: 2350-2417,Ang-Rt 175.5623,Zenith 90.1028,Slp Dst 610.5920,RE
Side Shot: 2350-2418,Ang-Rt 176.1300,Zenith 90.1251,Slp Dst 661.2520,RE
Side Shot: 2350-2419,Ang-Rt 176.2700,Zenith 90.1528,Slp Dst 711.1520,RE
Side Shot: 2350-2420,Ang-Rt 176.3606,Zenith 90.1648,Slp Dst 761.6780,RE
Side Shot: 2350-2421,Ang-Rt 176.4255,Zenith 90.1649,Slp Dst 810.9420,RE
Side Shot: 2350-2422,Ang-Rt 177.3929,Zenith 90.1808,Slp Dst 810.5320,RC
Side Shot: 2350-2423,Ang-Rt 178.3855,Zenith 90.1953,Slp Dst 810.1620,RE
HI / HR : Inst H 5.3400,Rod H 5.7000
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Side Shot: 2350-2424,Ang-Rt 0.0000,Zenith 89.2645,Slp Dst 960.7000,CS
HI / HR : Inst H 5.3400,Rod H 4.7200
Side Shot: 2350-2425,Ang-Rt 153.2349,Zenith 92.5150,Slp Dst 11.7680,RE
Side Shot: 2350-2426,Ang-Rt 97.1612,Zenith 89.5644,Slp Dst 32.9900,RE
Side Shot: 2350-2427,Ang-Rt 37.0225,Zenith 90.3814,Slp Dst 52.5360,RE
Side Shot: 2350-2428,Ang-Rt 18.1227,Zenith 91.0122,Slp Dst 96.8740,RE
Side Shot: 2350-2429,Ang-Rt 11.5928,Zenith 90.3445,Slp Dst 144.7840,RE
Side Shot: 2350-2430,Ang-Rt 8.3519,Zenith 90.1418,Slp Dst 193.8400,RE
Side Shot: 2350-2431,Ang-Rt 6.3512,Zenith 90.0234,Slp Dst 243.5400,RE
Side Shot: 2350-2432,Ang-Rt 5.1639,Zenith 89.5352,Slp Dst 293.3200,RE
Side Shot: 2350-2433,Ang-Rt 4.1722,Zenith 89.4448,Slp Dst 342.6480,RE
Side Shot: 2350-2434,Ang-Rt 4.1722,Zenith 89.4448,Slp Dst 342.6540,RE
Side Shot: 2350-2435,Ang-Rt 3.3831,Zenith 89.3521,Slp Dst 392.1540,RE
Side Shot: 2350-2436,Ang-Rt 1.4024,Zenith 89.3657,Slp Dst 391.4540,RC
Side Shot: 2350-2437,Ang-Rt 359.3755,Zenith 89.3849,Slp Dst 391.3560,RE
HI / HR : Inst H 5.3400,Rod H 5.7000
Side Shot: 2350-2438,Ang-Rt 0.0000,Zenith 89.2647,Slp Dst 960.7020,CS
Store: Pt 2011,N 1028934.5220,E 648181.9780,Elv 1819.2000,PANEL PT2011
Store: Pt 2439,N 1028897.8070,E 646885.6050,Elv 1816.1190,RR SPK S1/4SEC30
Occupy: Occ 2011,N 1028934.5220,E 648181.9780,Elv 1819.2000,PANEL PT2011
Backsight: Occ 2011,BS Pt 2439,BS azm 268.2240,Back circle 0.0000
Backsight: Occ 2011,BS Pt 2439,BS azm 268.2240,Back circle 0.0000
HI / HR : Inst H 5.3700,Rod H 5.2700
Side Shot: 2011-2440,Ang-Rt 0.0000,Zenith 90.0829,Slp Dst 1297.1380,CS
HI / HR : Inst H 5.3700,Rod H 4.7200
Side Shot: 2011-2441,Ang-Rt 332.1655,Zenith 92.4034,Slp Dst 20.1380,IH
Side Shot: 2011-2442,Ang-Rt 333.4842,Zenith 92.5043,Slp Dst 19.8380,IH
Side Shot: 2011-2443,Ang-Rt 349.2820,Zenith 91.2700,Slp Dst 43.8880,IH
Side Shot: 2011-2444,Ang-Rt 348.4858,Zenith 91.2208,Slp Dst 44.0240,IH
Side Shot: 2011-2445,Ang-Rt 348.5319,Zenith 92.0920,Slp Dst 44.1100,IH
Side Shot: 2011-2446,Ang-Rt 349.3308,Zenith 92.1210,Slp Dst 43.9700,IH
Side Shot: 2011-2447,Ang-Rt 350.0944,Zenith 92.0642,Slp Dst 45.7820,IH
Side Shot: 2011-2448,Ang-Rt 349.2452,Zenith 92.0511,Slp Dst 45.8700,IH
Side Shot: 2011-2449,Ang-Rt 350.3135,Zenith 91.5943,Slp Dst 45.7420,IU CONC
Side Shot: 2011-2450,Ang-Rt 356.0019,Zenith 93.5723,Slp Dst 44.8900,IU CONC
Side Shot: 2011-2451,Ang-Rt 358.5134,Zenith 93.1717,Slp Dst 44.2820,IT
Side Shot: 2011-2452,Ang-Rt 2.3301,Zenith 91.4225,Slp Dst 40.4380,IU
Side Shot: 2011-2453,Ang-Rt 349.0205,Zenith 95.3005,Slp Dst 40.7660,IU CONC
Side Shot: 2011-2454,Ang-Rt 351.2820,Zenith 97.1837,Slp Dst 40.0260,IT CONC
Side Shot: 2011-2455,Ang-Rt 355.2739,Zenith 97.4450,Slp Dst 39.1720,IT CONC
Side Shot: 2011-2456,Ang-Rt 349.5602,Zenith 100.2656,Slp Dst 38.5660,HP 48IN C
HI / HR : Inst H 5.3700,Rod H 8.7200
Side Shot: 2011-2457,Ang-Rt 345.3018,Zenith 95.1733,Slp Dst 33.0140,HP 48IN CM
Side Shot: 2011-2458,Ang-Rt 341.4130,Zenith 96.1215,Slp Dst 26.9580,HP 48IN CM
HI / HR : Inst H 5.3700,Rod H 4.7200
Side Shot: 2011-2459,Ang-Rt 341.5802,Zenith 101.1149,Slp Dst 27.3740,IF
Side Shot: 2011-2460,Ang-Rt 346.0544,Zenith 99.5949,Slp Dst 33.4020,IF
Side Shot: 2011-2461,Ang-Rt 351.1912,Zenith 99.1522,Slp Dst 38.1340,IF
Side Shot: 2011-2462,Ang-Rt 1.2553,Zenith 96.2645,Slp Dst 36.3200,IT
Side Shot: 2011-2463,Ang-Rt 358.1101,Zenith 99.1732,Slp Dst 33.4120,IT
Side Shot: 2011-2464,Ang-Rt 353.3350,Zenith 103.1954,Slp Dst 24.3920,IT
Side Shot: 2011-2465,Ang-Rt 342.0412,Zenith 102.2641,Slp Dst 24.9220,IT
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Side Shot: 2011-2466,Ang-Rt 333.3126,Zenith 95.0612,Slp Dst 19.0400,IU
Side Shot: 2011-2467,Ang-Rt 62.0258,Zenith 93.5238,Slp Dst 9.8720,IU
Side Shot: 2011-2468,Ang-Rt 54.2805,Zenith 107.3411,Slp Dst 13.8120,IT
Side Shot: 2011-2469,Ang-Rt 46.3318,Zenith 107.3416,Slp Dst 17.8500,IF
Side Shot: 2011-2470,Ang-Rt 45.0858,Zenith 104.3701,Slp Dst 21.7880,IF
Side Shot: 2011-2471,Ang-Rt 44.5511,Zenith 100.5956,Slp Dst 26.7840,IF
Side Shot: 2011-2472,Ang-Rt 40.3912,Zenith 97.3721,Slp Dst 30.4780,IT
Side Shot: 2011-2473,Ang-Rt 38.3352,Zenith 91.4038,Slp Dst 30.9400,IU
Side Shot: 2011-2474,Ang-Rt 90.2202,Zenith 90.2139,Slp Dst 62.5180,IU
Side Shot: 2011-2475,Ang-Rt 92.1501,Zenith 94.1351,Slp Dst 63.0160,IT
Side Shot: 2011-2476,Ang-Rt 101.5954,Zenith 95.1539,Slp Dst 54.8860,IT
Side Shot: 2011-2477,Ang-Rt 102.2100,Zenith 94.5744,Slp Dst 58.6120,HP 48IN CM
Side Shot: 2011-2478,Ang-Rt 101.2722,Zenith 95.0701,Slp Dst 58.5420,IF
Side Shot: 2011-2479,Ang-Rt 101.2100,Zenith 93.4634,Slp Dst 62.3520,IG
HI / HR : Inst H 5.3700,Rod H 8.7200
Side Shot: 2011-2480,Ang-Rt 100.3453,Zenith 90.5958,Slp Dst 70.1300,HP 48IN CM
Side Shot: 2011-2481,Ang-Rt 99.1204,Zenith 90.5321,Slp Dst 81.3960,HP 48IN CMP
HI / HR : Inst H 5.3700,Rod H 4.7200
Side Shot: 2011-2482,Ang-Rt 98.4005,Zenith 92.5611,Slp Dst 84.3320,IT
Side Shot: 2011-2483,Ang-Rt 98.5305,Zenith 93.0852,Slp Dst 81.3440,IF DIRT
Side Shot: 2011-2484,Ang-Rt 100.0657,Zenith 93.2909,Slp Dst 69.2740,IF DIRT
Side Shot: 2011-2485,Ang-Rt 96.5307,Zenith 92.5732,Slp Dst 82.3580,IT
Side Shot: 2011-2486,Ang-Rt 94.5232,Zenith 92.2111,Slp Dst 83.6060,IT
Side Shot: 2011-2487,Ang-Rt 93.4146,Zenith 89.5325,Slp Dst 87.6720,IU
Side Shot: 2011-2488,Ang-Rt 94.5729,Zenith 91.2828,Slp Dst 88.0960,IT
Side Shot: 2011-2489,Ang-Rt 96.4119,Zenith 91.1158,Slp Dst 89.6460,IT
Side Shot: 2011-2490,Ang-Rt 99.1953,Zenith 89.5813,Slp Dst 92.4440,IU RS
Side Shot: 2011-2491,Ang-Rt 98.3832,Zenith 89.5444,Slp Dst 99.5200,IU RS
Side Shot: 2011-2492,Ang-Rt 96.4453,Zenith 90.3104,Slp Dst 99.0040,IF
Side Shot: 2011-2493,Ang-Rt 93.2729,Zenith 89.5641,Slp Dst 98.4440,IU
Side Shot: 2011-2494,Ang-Rt 98.3738,Zenith 90.0142,Slp Dst 93.0320,RG
Side Shot: 2011-2495,Ang-Rt 98.3509,Zenith 90.0909,Slp Dst 90.9760,IH
Side Shot: 2011-2496,Ang-Rt 98.5840,Zenith 90.0751,Slp Dst 91.0380,IH
Side Shot: 2011-2497,Ang-Rt 104.5503,Zenith 90.1200,Slp Dst 51.0980,IH
Side Shot: 2011-2498,Ang-Rt 104.1337,Zenith 90.1803,Slp Dst 50.9740,IH
Side Shot: 2011-2499,Ang-Rt 107.0034,Zenith 90.3523,Slp Dst 50.2260,IU RS
Side Shot: 2011-2500,Ang-Rt 106.2842,Zenith 91.0244,Slp Dst 47.5760,RG
Side Shot: 2011-2501,Ang-Rt 114.1303,Zenith 89.5618,Slp Dst 100.4540,RG
Side Shot: 2011-2502,Ang-Rt 113.5155,Zenith 89.5936,Slp Dst 102.3440,IU
Side Shot: 2011-2503,Ang-Rt 117.0249,Zenith 89.4552,Slp Dst 106.3920,IU
Side Shot: 2011-2504,Ang-Rt 113.3159,Zenith 89.4954,Slp Dst 103.4160,IH
Side Shot: 2011-2505,Ang-Rt 113.1612,Zenith 89.4746,Slp Dst 103.2260,IH
Side Shot: 2011-2506,Ang-Rt 106.4806,Zenith 89.5126,Slp Dst 141.9260,IH
Side Shot: 2011-2507,Ang-Rt 107.0215,Zenith 89.5149,Slp Dst 141.9940,IH
Side Shot: 2011-2508,Ang-Rt 105.4500,Zenith 89.5952,Slp Dst 142.3180,RG
Side Shot: 2011-2509,Ang-Rt 105.5655,Zenith 90.0458,Slp Dst 147.8520,IU RS
Side Shot: 2011-2510,Ang-Rt 105.2510,Zenith 90.0147,Slp Dst 152.1040,IU RS
Side Shot: 2011-2511,Ang-Rt 109.0110,Zenith 91.3556,Slp Dst 151.5940,IT
Side Shot: 2011-2512,Ang-Rt 110.1231,Zenith 91.4325,Slp Dst 151.1180,IF
Side Shot: 2011-2513,Ang-Rt 111.1413,Zenith 91.3603,Slp Dst 150.4560,IT
Side Shot: 2011-2514,Ang-Rt 108.4247,Zenith 91.4440,Slp Dst 142.6700,IT
Side Shot: 2011-2515,Ang-Rt 111.1606,Zenith 91.3725,Slp Dst 136.4960,IT
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Side Shot: 2011-2516,Ang-Rt 112.5217,Zenith 90.0007,Slp Dst 138.2340,IU
HI / HR : Inst H 5.3700,Rod H 8.7200
Side Shot: 2011-2517,Ang-Rt 110.5913,Zenith 90.2957,Slp Dst 126.8380,IT
Side Shot: 2011-2518,Ang-Rt 113.2104,Zenith 89.4007,Slp Dst 127.1160,IT
Side Shot: 2011-2519,Ang-Rt 114.0755,Zenith 88.0258,Slp Dst 125.2740,IU
Side Shot: 2011-2520,Ang-Rt 112.4954,Zenith 90.3309,Slp Dst 114.7800,IT
Side Shot: 2011-2521,Ang-Rt 111.5604,Zenith 90.4019,Slp Dst 114.2220,HP 48IN C
Side Shot: 2011-2522,Ang-Rt 112.0214,Zenith 90.2253,Slp Dst 115.2960,IFDIRT
HI / HR : Inst H 5.3700,Rod H 12.7200
Side Shot: 2011-2523,Ang-Rt 109.5355,Zenith 88.3815,Slp Dst 122.4340,HP 48IN C
Side Shot: 2011-2524,Ang-Rt 108.0637,Zenith 88.4213,Slp Dst 133.6820,HP 48IN C
HI / HR : Inst H 5.3700,Rod H 8.7200
Side Shot: 2011-2525,Ang-Rt 108.3428,Zenith 90.0944,Slp Dst 133.7980,IF DIRT
Side Shot: 2011-2526,Ang-Rt 110.1142,Zenith 90.1536,Slp Dst 122.3660,IF DIRT
HI / HR : Inst H 5.3700,Rod H 5.2700
Side Shot: 2011-2527,Ang-Rt 0.0000,Zenith 90.0824,Slp Dst 1297.1260,CS
HI / HR : Inst H 5.3700,Rod H 8.7200
Side Shot: 2011-2528,Ang-Rt 308.2912,Zenith 88.2058,Slp Dst 89.6860,IU
Side Shot: 2011-2529,Ang-Rt 310.4434,Zenith 88.4654,Slp Dst 95.1740,IH
Side Shot: 2011-2530,Ang-Rt 310.5804,Zenith 88.4725,Slp Dst 94.6420,IH
Side Shot: 2011-2531,Ang-Rt 320.4837,Zenith 88.5932,Slp Dst 113.6820,IH
Side Shot: 2011-2532,Ang-Rt 321.0228,Zenith 88.5934,Slp Dst 113.2500,IH
Side Shot: 2011-2533,Ang-Rt 322.1150,Zenith 89.1040,Slp Dst 114.0320,IU
Side Shot: 2011-2534,Ang-Rt 322.3929,Zenith 89.0324,Slp Dst 116.0700,RG
Side Shot: 2011-2535,Ang-Rt 312.2213,Zenith 90.5606,Slp Dst 98.0440,IT
Side Shot: 2011-2536,Ang-Rt 313.3529,Zenith 91.0130,Slp Dst 99.5860,IF DIRT
Side Shot: 2011-2537,Ang-Rt 316.0801,Zenith 91.0724,Slp Dst 104.4980,IF DIRT
Side Shot: 2011-2538,Ang-Rt 318.2423,Zenith 91.2340,Slp Dst 109.0120,IF DIRT
Side Shot: 2011-2539,Ang-Rt 319.1430,Zenith 91.1258,Slp Dst 110.8480,IT
HI / HR : Inst H 5.3700,Rod H 12.7200
Side Shot: 2011-2540,Ang-Rt 318.3044,Zenith 90.0108,Slp Dst 108.6260,IH 48IN C
Side Shot: 2011-2541,Ang-Rt 316.1609,Zenith 89.5906,Slp Dst 104.2180,IH 48IN C
Side Shot: 2011-2542,Ang-Rt 313.3152,Zenith 90.0027,Slp Dst 99.4820,IH 48IN CM
HI / HR : Inst H 5.3700,Rod H 8.7200
Side Shot: 2011-2543,Ang-Rt 318.4024,Zenith 89.1131,Slp Dst 128.8040,IU
Side Shot: 2011-2544,Ang-Rt 317.2228,Zenith 91.0647,Slp Dst 128.6500,IT
Side Shot: 2011-2545,Ang-Rt 311.4703,Zenith 90.5232,Slp Dst 124.5560,IT
Side Shot: 2011-2546,Ang-Rt 307.4140,Zenith 89.5701,Slp Dst 123.0020,IT
Side Shot: 2011-2547,Ang-Rt 307.0912,Zenith 89.0404,Slp Dst 122.2800,IU
HI / HR : Inst H 5.3700,Rod H 4.7200
Side Shot: 2011-2548,Ang-Rt 313.2239,Zenith 92.4036,Slp Dst 112.8160,IT
Side Shot: 2011-2549,Ang-Rt 308.1933,Zenith 91.5951,Slp Dst 110.5180,IT
Side Shot: 2011-2550,Ang-Rt 307.1616,Zenith 90.5233,Slp Dst 109.6260,IU
Side Shot: 2011-2551,Ang-Rt 306.5507,Zenith 90.4803,Slp Dst 99.7240,IU
Side Shot: 2011-2552,Ang-Rt 323.5357,Zenith 90.3102,Slp Dst 65.7640,RC
Side Shot: 2011-2553,Ang-Rt 340.0642,Zenith 90.3751,Slp Dst 109.5520,RC
Side Shot: 2011-2554,Ang-Rt 346.4850,Zenith 90.4340,Slp Dst 157.1300,RC
Side Shot: 2011-2555,Ang-Rt 350.2922,Zenith 90.3710,Slp Dst 205.6420,RC
Side Shot: 2011-2556,Ang-Rt 352.3517,Zenith 90.2715,Slp Dst 254.8140,RC
Side Shot: 2011-2557,Ang-Rt 354.0415,Zenith 90.2100,Slp Dst 304.0940,RC
Side Shot: 2011-2558,Ang-Rt 355.1112,Zenith 90.1851,Slp Dst 353.7220,RC
Side Shot: 2011-2559,Ang-Rt 355.5900,Zenith 90.1751,Slp Dst 403.3200,RC
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Side Shot: 2011-2560,Ang-Rt 356.3658,Zenith 90.1605,Slp Dst 452.9660,RC
Side Shot: 2011-2561,Ang-Rt 357.0923,Zenith 90.1433,Slp Dst 503.7880,RC
Side Shot: 2011-2562,Ang-Rt 357.3346,Zenith 90.1324,Slp Dst 553.4620,RC
Side Shot: 2011-2563,Ang-Rt 357.5438,Zenith 90.1140,Slp Dst 603.8280,RC
Side Shot: 2011-2564,Ang-Rt 358.1522,Zenith 90.1029,Slp Dst 654.0660,RC
Side Shot: 2011-2565,Ang-Rt 358.2701,Zenith 90.0911,Slp Dst 703.0340,RC
Side Shot: 2011-2566,Ang-Rt 358.3945,Zenith 90.0744,Slp Dst 752.3000,RC
Side Shot: 2011-2567,Ang-Rt 358.5056,Zenith 90.0625,Slp Dst 802.4300,RC
Side Shot: 2011-2568,Ang-Rt 357.5422,Zenith 90.0740,Slp Dst 802.7600,RC
Side Shot: 2011-2569,Ang-Rt 359.4751,Zenith 90.0716,Slp Dst 801.0280,RC
HI / HR : Inst H 5.3700,Rod H 5.2700
Side Shot: 2011-2570,Ang-Rt 0.0000,Zenith 90.0824,Slp Dst 1297.1240,CS
HI / HR : Inst H 5.3700,Rod H 4.7200
Side Shot: 2011-2571,Ang-Rt 274.3537,Zenith 91.0214,Slp Dst 40.4500,RC
Side Shot: 2011-2572,Ang-Rt 221.3938,Zenith 90.2808,Slp Dst 62.4580,RC
Side Shot: 2011-2573,Ang-Rt 204.1236,Zenith 89.4247,Slp Dst 105.8580,RC
Side Shot: 2011-2574,Ang-Rt 197.0212,Zenith 89.3134,Slp Dst 153.1960,RC
Side Shot: 2011-2575,Ang-Rt 193.1501,Zenith 89.3049,Slp Dst 201.5780,RC
Side Shot: 2011-2576,Ang-Rt 189.2756,Zenith 89.3259,Slp Dst 198.3960,RE
Side Shot: 2011-2577,Ang-Rt 196.5218,Zenith 89.3644,Slp Dst 204.9620,RE
Side Shot: 2011-2578,Ang-Rt 106.3359,Zenith 89.4904,Slp Dst 95.7340,RC DIRT
Side Shot: 2011-2579,Ang-Rt 101.1724,Zenith 89.5131,Slp Dst 144.9980,RC DIRT
Side Shot: 2011-2580,Ang-Rt 98.4922,Zenith 90.0007,Slp Dst 196.1580,RC DIRT
Side Shot: 2011-2581,Ang-Rt 97.1545,Zenith 89.5833,Slp Dst 245.7500,RC DIRT
Side Shot: 2011-2582,Ang-Rt 96.2224,Zenith 89.5547,Slp Dst 294.6120,RC DIRT
Side Shot: 2011-2583,Ang-Rt 95.4629,Zenith 89.5252,Slp Dst 344.5680,RC DIRT
Side Shot: 2011-2584,Ang-Rt 95.1154,Zenith 89.5131,Slp Dst 393.9800,RC DIRT
Side Shot: 2011-2585,Ang-Rt 94.5031,Zenith 89.5006,Slp Dst 443.4920,RC DIRT
Side Shot: 2011-2586,Ang-Rt 94.3811,Zenith 89.4853,Slp Dst 492.5740,RC DIRT
Side Shot: 2011-2587,Ang-Rt 94.2147,Zenith 89.4704,Slp Dst 540.2720,RC DIRT
Side Shot: 2011-2588,Ang-Rt 94.1322,Zenith 89.4944,Slp Dst 590.0640,RC DIRT
Side Shot: 2011-2589,Ang-Rt 94.0109,Zenith 89.4927,Slp Dst 640.2840,RC DIRT
Side Shot: 2011-2590,Ang-Rt 93.5221,Zenith 89.4851,Slp Dst 686.3160,RC DIRT
Side Shot: 2011-2591,Ang-Rt 93.4620,Zenith 89.4735,Slp Dst 734.7980,RC DIRT
Side Shot: 2011-2592,Ang-Rt 93.3848,Zenith 89.4732,Slp Dst 784.1340,RC DIRT
Side Shot: 2011-2593,Ang-Rt 122.4508,Zenith 90.1827,Slp Dst 49.9520,RC DIRT
Side Shot: 2011-2594,Ang-Rt 198.4442,Zenith 91.3613,Slp Dst 26.2360,RC DIRT
Side Shot: 2011-2595,Ang-Rt 227.1719,Zenith 91.1617,Slp Dst 35.3600,RC PAVEMEN
Side Shot: 2011-2596,Ang-Rt 246.3512,Zenith 90.5824,Slp Dst 59.4020,RC PAVEMEN
Side Shot: 2011-2597,Ang-Rt 257.5154,Zenith 91.0108,Slp Dst 107.8120,RC DIRT
Side Shot: 2011-2598,Ang-Rt 262.0357,Zenith 90.4956,Slp Dst 154.4860,RC DIRT
Side Shot: 2011-2599,Ang-Rt 264.2141,Zenith 90.4603,Slp Dst 205.4680,RC DIRT
Side Shot: 2011-2600,Ang-Rt 265.3031,Zenith 90.4310,Slp Dst 255.6740,RC DIRT
HI / HR : Inst H 5.3700,Rod H 8.7200
Side Shot: 2011-2601,Ang-Rt 266.3730,Zenith 89.5451,Slp Dst 305.3920,RC DIRT
Side Shot: 2011-2602,Ang-Rt 267.2359,Zenith 89.5555,Slp Dst 355.8680,RC DIRT
Side Shot: 2011-2603,Ang-Rt 267.4232,Zenith 89.5737,Slp Dst 406.5100,RC DIRT
Side Shot: 2011-2604,Ang-Rt 267.5519,Zenith 89.5635,Slp Dst 454.7480,RC DIRT
HI / HR : Inst H 5.3700,Rod H 5.2700
Side Shot: 2011-2605,Ang-Rt 0.0000,Zenith 90.0828,Slp Dst 1297.1200,CS
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ELEVATION BENCH CIRCUITS

ALCOCER LAND SURVEYORS

12-12-96

Level Loop #1

R. G. Alcorn
S. Clawson
E. Markle

Topcon AT-G3
#GL0681

	B.S.	HI	F.S.	ELEV.	DESCRIPTIONS
P.P. 1009				1750.01	FOUND PANEL PT 1009 Collins/Pina 1/2" RB 27th Ave & DELORES
	4.29	1754.30			
			6.36	1747.94	
	6.66	1754.60			
			9.97	1744.63	
	10.45	1755.08			
P.P. 2000			5.33	1749.75	PANEL PT 2000 SET 1/2" RB ± 1000' E. 27th Ave & DELORES
	9.66	1759.41			
			5.38	1754.03	
	8.11	1762.14			
			4.66	1757.48	
	6.48	1763.96			
			2.56	1761.40	
	7.93	1769.33			
P.P. 2001			4.29	1765.04	PANEL PT 2001 SET 1/2" RB ± 1500' S. Joy Rand & 25th Ave
	6.80	1771.84			
			8.31	1763.53	
	9.57	1773.10			
			3.90	1769.20	
	6.61	1775.81			
P.P. 1008			4.66	1771.15	FND PANEL PT 1008 1/2" RB Collins/Pina
	13.57	1784.72			
			16.87	1767.85	

	BS	HI	F.S.	ELEV
				1767.85
	5.07	1772.92		
P.P. 2002			4.22	1768.70
	10.54	1779.24		
			0.69	1778.55
	7.18	1785.23		
			2.07	1783.66
	8.96	1792.62		
			4.65	1787.97
	7.89	1795.86		
			2.44	1793.42
ERm 3			8.42	1787.44
	5.26	1792.70		
			7.88	1784.82
	16.18	1801.00		
P.P. 2003			1.32	1799.68
	0.46	1800.14		
			19.91	1780.23
	3.72	1783.95		
			4.44	1779.51
	8.52	1788.03		
			0.57	1787.46
	9.58	1797.04		
			13.12	1783.92 ~~1793.92~~

PANEL PT 2002 1/2" RB

FND 2" I.P. W 1/4 Cor Sec 31 19" ALU & QUARTZ
GLO B.C. E 1/4 Cor Sec 36 19" ALU & QUARTZ

PANEL PT 2003 SET C-P SPINDLE ± 900' S. E 1/4 COR SEC 36

	BS.	HI	F.S.	ELEV.	
				1783.92	
	11.41	1795.33			
			9.42	1785.91	
	13.67	1799.58			
P.P. 2004			0.36	1799.22	Panel Pt 2004 set 1/2" RB ± 1400' S. 17th Ave & Quartz
	0.07	1799.29			
			13.38	1785.91	
	7.36	1793.27			
T.P.			0.73	1792.54	Set nail in P.P. N.E. Cor. 17th Ave & Quartz
	11.30	1803.84			
			8.96	1794.88	
	4.34	1799.22			
			0.73	1798.49	
	12.21	1810.70			
P.P. 2005			1.15	1809.55	Panel Pt 2005 set 1/2" RB ± 1400' S. 17th Ave & Joy Ranch
	10.44	1819.99			
			2.03	1817.96	
	5.92	1823.88			
P.P. 2008			3.88	1820.00	Panel Pt 2008 set nail ± 200' S. 17th Ave & Joy Ranch
	5.54	1825.54			
			4.17	1821.37	
	8.63	1830.00			
			4.77	1825.23	
	8.80	1834.03			
			2.27	1831.76	

(14)

	BS	HI	FS	ELEV.	
				1831.76	
	10.97	1842.73			
TBm			0.37	1842.36	½" I.P. SW. Cor 1" Ave & Irvine
	3.15	1845.51			
			16.29	1829.22	
	8.59	1837.81			
			1.93	1835.88	
	2.77	1838.65			
			0.07	1838.58	
	9.28	1847.86			
P.P. 1002			2.78	1845.08	End Panel Pt 1002 Collins / Piña +0.05' (DID NOT FIND IN C/P FIELD NOTES)

(15)

(16)

(17)

12-18-96

LEVEL LOOP #2

R.G. Moore
E. Whitake

(18)

	BS	HI	FS	ELEV.	ADJ
TBm				1792.54	
	4.07	1796.61			
			5.245	1791.365	1791.36
	6.50	1797.865			
			2.60	1795.265	1795.255
	5.38	1800.645			
			6.09	1794.555	1794.54
	3.56	1798.115			
			5.21	1792.905	1792.885
	7.41	1800.315			
			3.085	1797.23	1797.205
	7.625	1804.855			
P.P. 2007			2.26	1802.595	1802.565
	2.31	1804.905			
			7.99	1796.915	1796.88
	2.51	1799.425			
			6.41	1793.015	1792.975
	4.90	1797.915			
			3.83	1794.085	1794.04
	7.62	1801.705			
			3.51	1798.195	1798.145
	5.55	1803.745			
			3.90	1799.845	1799.79

(19)

TBM NAIL P.P. NE. Cor 17th Ave & QUARTZ (SEE PG 12)

PANEL PT 2007 SET 1/2" RB ± 450' N. 15th Ave & CLOUD

	BS.	HI	FS.	ELEV	ADJ		
				1799.845	1799.79		
	6.085	1805.93					
P.P. 2009			3.285	1802.645	1802.59	PANEL PT 2009 SET 1/2" RB	NE COR 11th AVE & QUARTZ
	4.94	1807.585					
			3.605	1803.98	1803.92		
	6.46	1810.44					
			3.09	1807.35	1807.28		
	8.165	1815.515					
P.P 2010			1.70	1813.815	1813.74	PANEL PT 2010 SET NAIL	± 550' S. 11th AVE & JOY RANCH
	7.62	1821.435					
			5.37	1816.065	1815.99		
	6.305	1822.37					
P.P. 2011			3.09	1819.28	1819.20	PANEL PT 2011 SET 1/2" RB	N.W. COR 11th AVE & JOY RANCH
	6.04	1825.32					
			4.31	1821.01	1820.92		
	6.905	1827.915					
			1.35	1826.565	1826.47		
	5.775	1832.34					
			1.88	1830.46	1830.36		
	9.98	1840.44					
			4.66	1835.78	1835.68		
	4.75	1840.53					
TBM			0.845	1839.685	1839.58	SET NAIL P.P.	NE. COR 11th AVE & IRVINE

	BS	HI	FS	ELEV	ADJ	
				1839.685	1839.58	
	10.36	1850.045				
PP 2012			1.26	1848.785	1848.685	PANEL PT 2012 SET 1/2" RB ± 330' W. 11th Ave & IRVINE
	6.04	1854.825				
			3.08	1851.745	1851.63	
	5.83	1857.575				
			3.74	1853.835	1853.715	
	2.30	1856.135				
			7.72	1848.415	1848.29	
	2.78	1851.195				
			7.39	1843.805	1843.675	
	4.28	1848.085				
TBm ✓			5.59	1842.495	1842.36	1/2" I.P. SW Cor 17th Ave & IRVINE SEE PG 14

24

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12-18-96

LEVEL LOOP 3

R.G. ALCOCK
E. MARTENS

	B.S.	HI	F.S.	ELEV.
TBm				1839^{58}
	5^{27}	1844^{85}		
			4^{46}	1840^{39}
	7^{60}	1847^{99}		
			3^{17}	1844^{82}
	5^{80}	1850^{62}		
P.P. 2013			4^{61}	1846^{01}
	5^{87}	1851^{88}		
TBm			2^{75}	1849^{13}
	7^{20}	1856^{33}		
P.P 2014			2^{23}	1854^{10}
	2^{30}	1856^{40}		
			7^{28}	1849^{12}
	2^{27}	1851^{39}		
			6^{14}	1845^{25}
	1^{26}	1846^{51}		
			6^{38}	1840^{13}
	4^{36}	1844^{49}		
TBm ✓			4^{92}	1839^{57}

NAIL in P.P. NE Cor 11th Ave & IRVINE (SEE PG 20)

PANEL PT 2013 SET NAIL ± 200' W. 7th Ave & IRVINE

E 1/4 Cor Sec 30 Fnd C-P SPINDLE 7th Ave & IRVINE

PANEL PT 2014 SET 1/2" RB ± 660' E. 7th Ave & IRVINE

12-19-96

LEVEL Loop 4

R.G. Alcorn
S. CLAWSON
E. MARTICKE

	BS	HI	F.S.	ELEV	
TBm				1849.13	E 1/4 Sec 30 CP spindle 7th Ave & Irvine (SEE pg 26)
	8.83	1857.96			
			1.98	1855.98	
	9.83	1865.81			
			1.83	1863.98	
	8.70	1872.68			
P.P. 2015			5.66	1867.02	PANEL PT 2015 Set 1/2" RB ± 600' E. 7th Ave & Desert Hills
	6.79	1873.81			
			0.27	1873.54	
	10.77	1884.31			
			0.87	1883.44	
	8.98	1892.42			
TBm			0.26	1892.16	NAIL in Power Pole NE Cor. 7th Ave & RIDGECREST
	5.56	1897.72			
			1.38	1896.34	
	7.58	1903.92			
PP 2020			2.82	1901.10	PANEL PT. 2020 Set 1/2" RB ± 15' W. W 1/4 Sec 20 7th Ave & SADDLE MTN
	3.29	1904.39			
			8.05	1896.34	
	2.54	1898.88			
			6.74	1892.14	
	2.48	1894.62			
			7.57	1887.05	

	BS.	HI	FS.	ELEV	
				1887.05	
	2.47	1889.52			
			8.08	1881.44	
	2.63	1884.07			
			8.72	1875.35	
	2.06	1877.41			
TBM			8.37	1869.04	Set NAIL in Power Pole N.E. Cor 7th Ave / Desert Hills
	3.32	1872.36			
			5.40	1866.96	
	5.17	1872.13			
			3.08	1869.05	
	3.62	1872.67			
			7.69	1864.98	
	1.69	1866.67			
TBM			6.70	1859.97	Top HEADWALL ± 1400' S. 7th Ave / Desert Hills
	3.84	1863.81			
			8.96	1854.85	
	2.21	1857.06			
TBM ✓			7.93	1849.13	

12-19-96

LEVEL Loop 5

R.G Alcorn
S. CLAWSON

	BS	HI	FS.	ELEV.
TBM				1892^{16}
	4^{86}	1897^{02}		
P.P 2018			6^{73}	1890^{29}
	2^{28}	1892^{57}		
			5^{80}	1886^{77}
	6^{10}	1892^{87}		
			4^{90}	1887^{97}
	6^{03}	1894^{00}		
PP 2017			1^{33}	1892^{67}
	12^{98}	1905^{65}		
			0^{51}	1905^{14}
	14^{25}	1919^{39}		
			2^{37}	1917^{02}
	7^{29}	1924^{31}		
PP 2016			3^{76}	1920^{55}
	1^{34}	1921^{89}		
			10^{78}	1911^{11}
	0^{18}	1911^{29}		
			10^{58}	1900^{71}
	2^{33}	1903^{04}		
PP 2017			10^{38}	1892^{66}
	1^{43}	1894^{09}		
			6^{12}	1887^{97}

NAIL in Power Pole NE Cor 7th Ave & Ridgecrest (see pg 30)

Panel Pt 2018 Set Nail ± 600' E. 7th Ave & Ridgecrest

Panel Pt 2017 Set Nail ± 600' E. Central & Ridgecrest

Panel Pt 2016 Set 1/2" RB ± 30' N. Central & Ridgecrest

	B.S.	HI	F.S.	ELEV
				1887.97
	2.95	1890.92		
			4.12	1886.80
	6.10	1892.90		
PP 2018			2.62	1890.28
	6.86	1897.14		
TBM ✓			4.98	1892.14

(40)

(41)

12-20-96

LEVEL Loop L

R. G. Alexander
S. Clawson
E. Mantzke

	BS	HI	FS.	ELEV.
P.P 2016				1920.55
	4.48	1925.03		
			9.94	1915.09
	3.42	1918.51		
P.P. 2021			6.53	1911.98
	5.74	1917.72		
			3.43	1914.29
	15.28	1929.57		
			6.03	1923.54
	8.84	1932.38		
ERm 11			0.59	1931.79
	0.55	1932.34		
			8.81	1923.53
	6.40	1929.93		
			11.68	1918.25
	0.89	1919.14		
			10.39	1908.75
	10.37	1919.12		
			7.16	1911.96
	9.52	1921.48		
			2.21	1919.27
	5.22	1924.49		
TBm			3.96	1920.53

PANEL PT 2016 SET 1/2" RB ±30 N. Central & Rockcrest (see pg 36)

PANEL PT 2021 SET 1/2" RB ±400' S. N 1/4 Cor Sec 20

GLO B.C. N 1/4 Cor Sec 20 Central & Rockaway Hills

12-26-96

LEVEL Loop 7

R.G. Hunt
E. Martuke

	BS	HI	FS	ELEV	
ERM 11				1931.79	GLO B.C. N 1/4 Sec 20 (SEE PG 42)
	10.38	1942.17			
P.P. 2023			7.59	1934.58	PANEL PT SET NAIL I 600' E ON N 1/4 SEC 20
	7.93	1942.51			
			2.52	1939.99	
	13.04	1953.03			
			5.07	1947.96	
	15.34	1963.30			
			6.92	1962.38	
	16.05	1978.43			
PP 2024			3.43	1975.00	PANEL PT 2024 SET 1/2" RB ± 1700' E / ± 600' S N 1/4 SEC 20
	1.69	1976.69			
			15.17	1961.52	
	2.14	1963.66			
			10.18	1953.48	
	2.53	1956.01			
			15.42	1940.59	
	5.11	1945.70			
P.P. 2023			11.10	1934.60	
	7.16	1941.76			
TBM ✓			9.95	1931.81	

(48)

(49)

12-06-96

LEVEL Loop 8

R.G. Moore
E. Maitzke

	BS	HI	FS	ELEV
ERM 11				1931.79
	6.38	1938.17		
			2.01	1936.16
	4.71	1940.87		
			4.68	1936.19
	6.76	1942.95		
PP 2026			4.01	1938.94
	8.38	1947.32		
			2.22	1945.10
	10.00	1955.10		
			3.20	1951.90
PP 2025			2.77	1952.33
	2.09	1954.42		
			13.15	1941.27
	3.07	1944.34		
			8.53	1935.81
	5.93	1941.74		
			5.90	1935.84
	1.71	1937.55		
ERM 11			5.76	1931.79

GLO BC N 1/4 Sec 20 (See pg 42)

PANEL PT 2026 SET NAIL SE. Cor 3RD AVE / Rockaway Hills

TOP OF PANEL
TOP OF ICB ± 700' N. 3RD AVE / Rockaway Hills

ELEVATION BENCH MARKS

ALCOCER LAND SURVEYORS

ERM #1 - ELEVATION 1756.23
SET BRASS CAP IN CONCRETE, 65' SOUTH AND 35' EAST FROM THE NORTH P.C. ON t AVENUE, NORTH OF DELORES ROAD - 2' WEST OF POWER POLE.

ERM #2 - ELEVATION 1780.33
TOP OF G.L.O. BRASS CAP, NORTH QUARTER CORNER OF SECTION 36, 23rd AVENUE AND JOY RANCH ROAD.

ERM #3 - ELEVATION 1787.44
TOP OF G.L.O. BRASS CAP, AT THE EAST QUARTER CORNER OF SECTION 36.

ERM #4 - ELEVATION 1791.24
SET BRASS CAP IN CONCRETE, 28' NORTH AND 30' EAST FROM THE INTERSECTION AT 17th AVENUE AND MADDOCK ROAD.

ERM #5 - ELEVATION 1802.59
SET BRASS CAP IN CONCRETE, 60' WEST AND 22' SOUTH FROM THE INTERSECTION OF 11th AVENUE AND QUARTZ, 1' EAST OF JOINT MAILBOX PAD.

ERM # 6 - ELEVATION 1817.98
SET BRASS CAP IN CONCRETE, 260' WEST AND 37' NORTH FROM THE INTERSECTION OF 11th AVENUE AND JOY RANCH ROAD - 2.6' EAST OF THE POWER POLE.

ERM #7 - ELEVATION 1838.68
SET BRASS CAP IN CONCRETE, 32' NORTH AND 25' EAST FROM THE NORTHEAST CORNER OF THE INTERSECTION OF 11th AVENUE AND IRVINE ROAD - 2.2' SOUTH OF THE POWER POLE.

ERM #8 - ELEVATION 1868.37
SET BRASS CAP IN CONCRETE, 40' NORTH AND 45' EAST FROM THE SOUTHWEST CORNER OF SECTION 20, AT 7th AVENUE AND DESERT HILLS DRIVE.

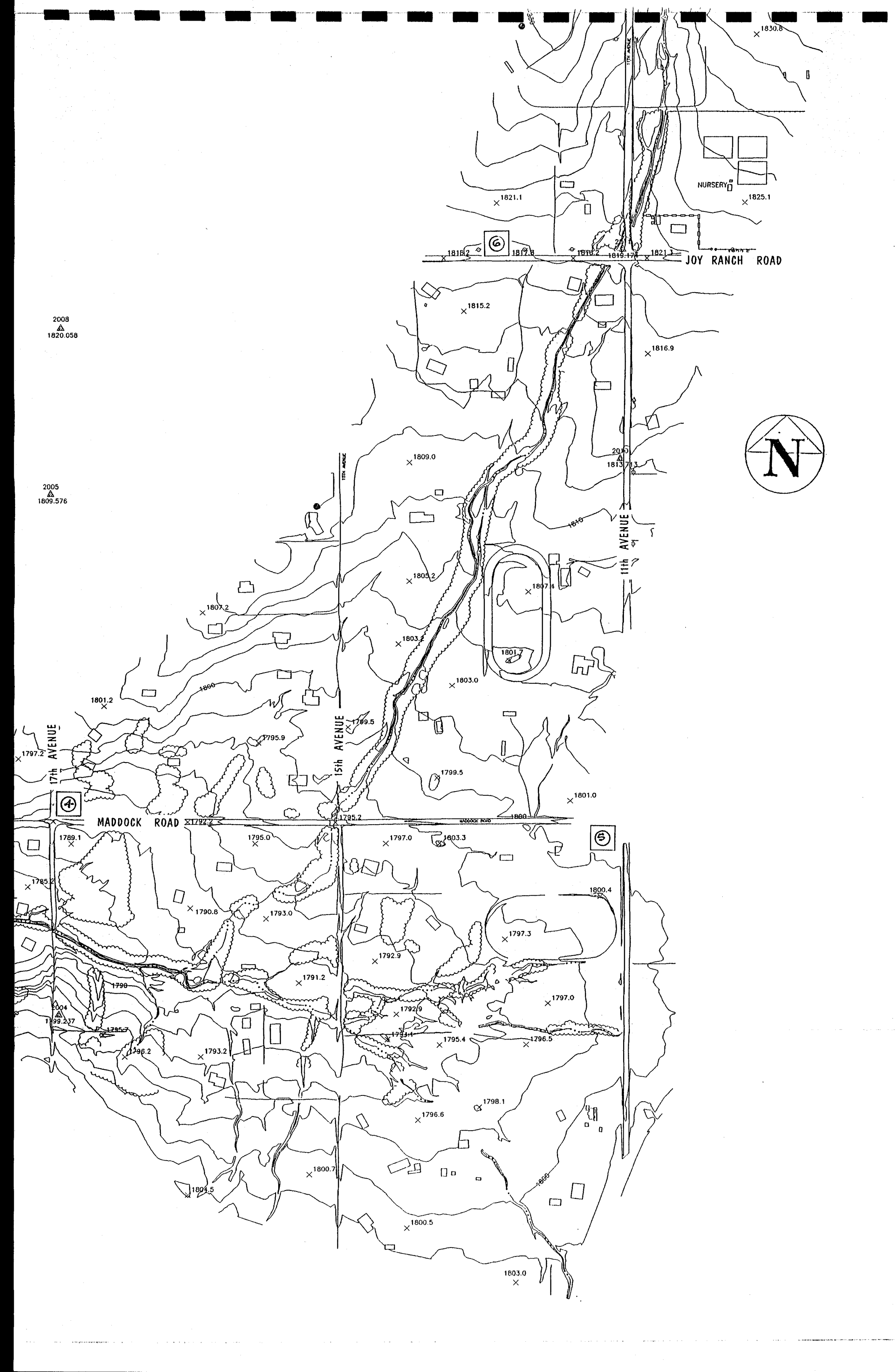
ERM #9 - ELEVATION 1903.36
SET BRASS CAP IN CONCRETE 105' EAST AND 20' SOUTH FROM THE WEST QUARTER CORNER OF SECTION 20, AT 7th AVENUE AND SADDLE MOUNTAIN ROAD - 1' EAST OF JOINT MAILBOX PEDESTAL.

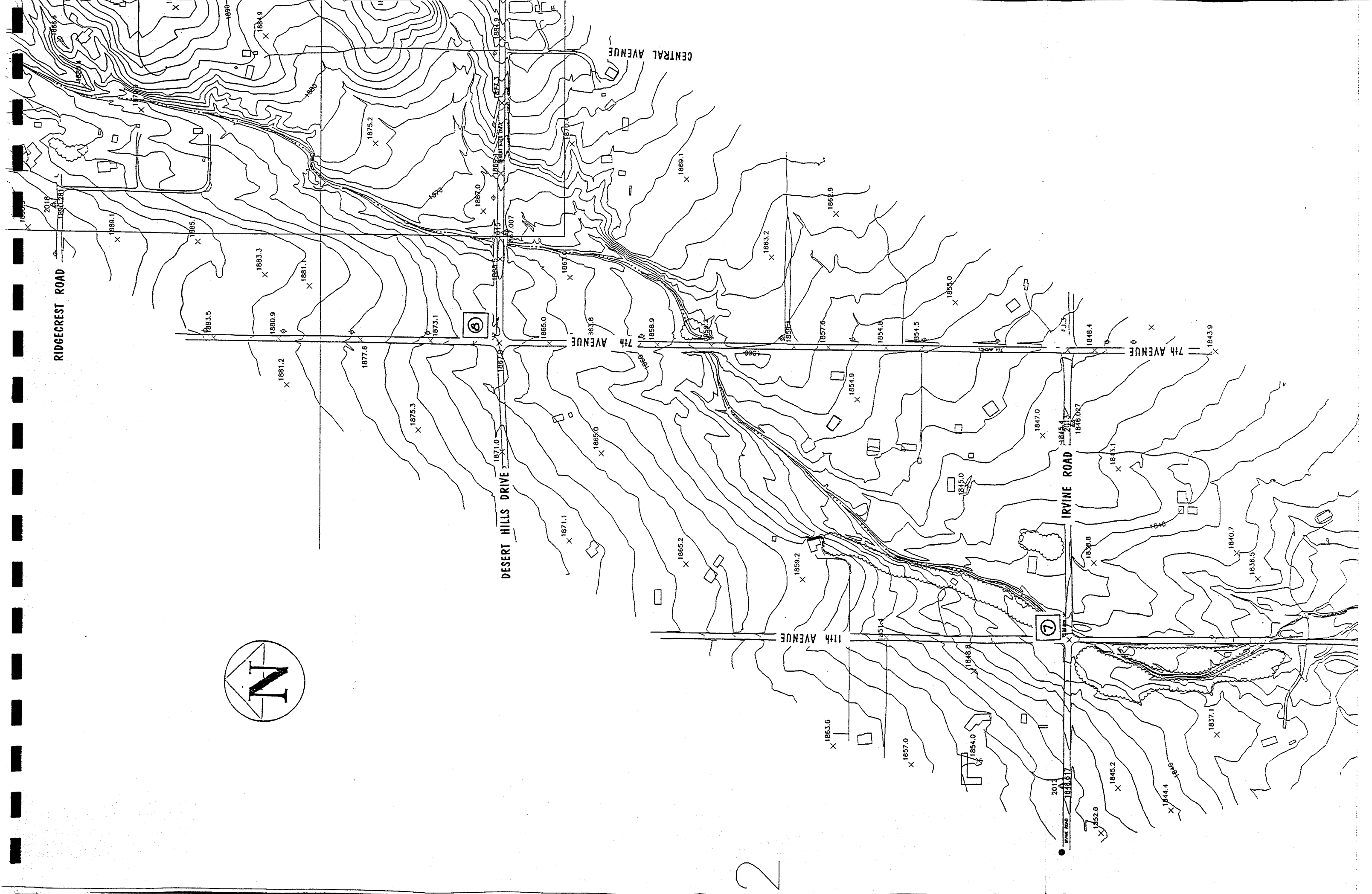
ERM #10 - ELEVATION 1920.53
SET BRASS CAP IN CONCRETE 82' EAST AN 25' NORTH FROM THE INTERSECTION OF CENTRAL AVENUE AND RIDGECREST ROAD - 2.6' WEST OF POWER POLE.

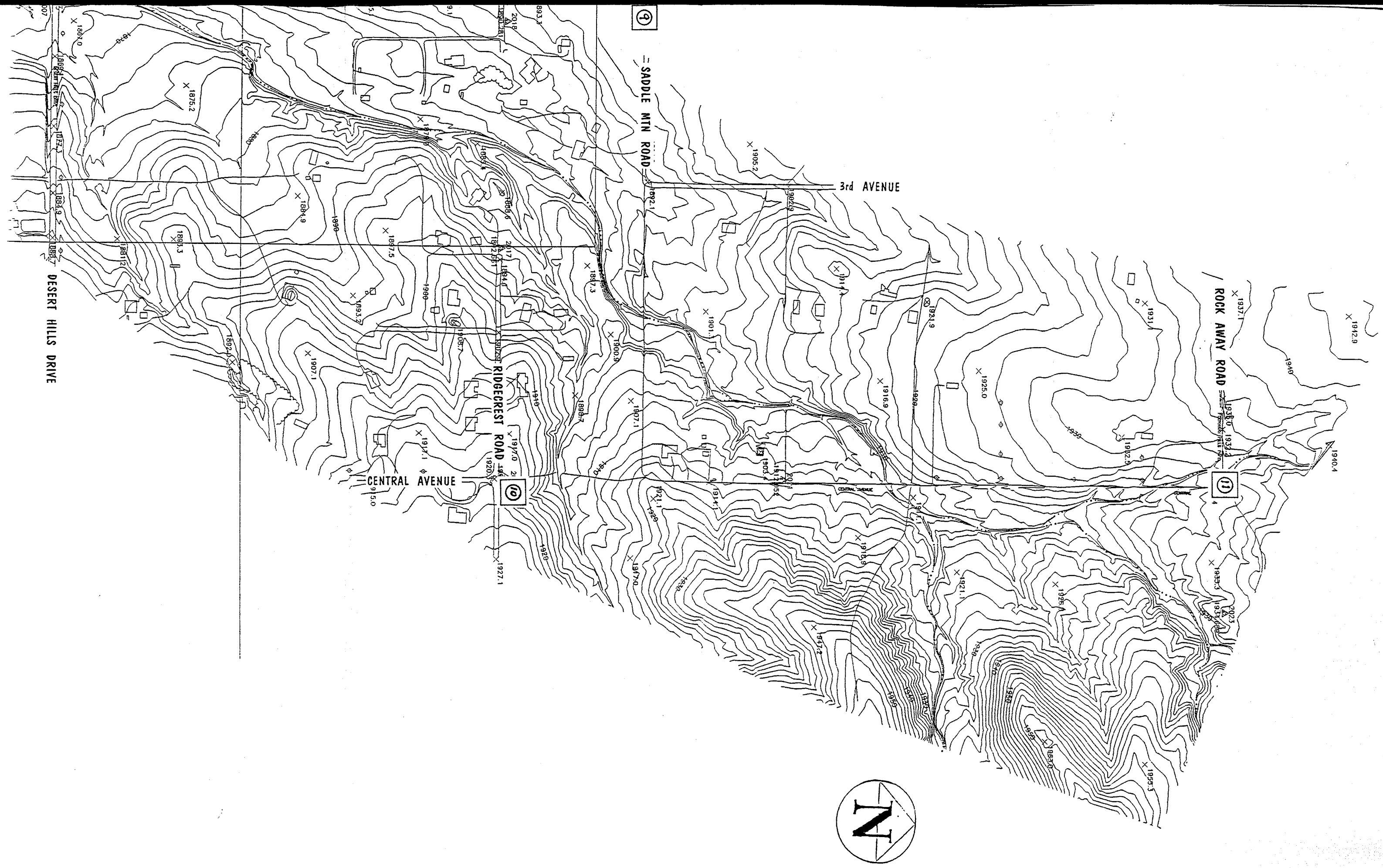
ERM #11 - ELEVATION 1931.79
TOP OF G.L.O. BRASS CAP AT THE NORTH QUARTER CORNER OF SECTION 20, AT THE INTERSECTION OF CENTRAL AVENUE AND ROCK AWAY ROAD.

ALCOCER LAND SURVEYORS

27th AVENUE
19th AVENUE
MADDOCK ROAD
WASH
N
1
2
3


JOY RANCH ROAD
MADDOCK ROAD
17th AVENUE
15th AVENUE
11th AVENUE
NURSERY
N
2008
1820.058
2005
1809.576
1830.8
1821.1
1825.1
1815.2
1816.9
1809.0
1805.2
1807.4
1807.2
1803.2
1801.7
1803.0
1801.2
1799.5
1795.9
1797.2
1799.5
1801.0
1795.2
1789.1
1795.0
1797.0
1603.3
1785.2
1790.8
1793.0
1800.4
1797.3
1792.9
1791.2
1797.0
1792.9
1795.4
1796.5
1796.2
1793.2
1798.1
1796.6
1800.7
1804.5
1800.5
1803.0


RIDGECREST ROAD
CENTRAL AVENUE
7th AVENUE
DESERT HILLS DRIVE
IRVINE ROAD
11th AVENUE
N


SADDLE MTN ROAD
3rd AVENUE
ROCK AWAY ROAD
RIDGECREST ROAD
CENTRAL AVENUE
DESERT HILLS DRIVE
9
10
11
N

(52)

(53)

1-29-97

Level Loop 9

ERM Mini Loops

R.G. Hlavac

S. Clawson

	BS	HI	FS	ELEV
P.P. 1009				1750.01
	7.84	1757.85		
ERM 1			1.62	1756.23
	1.63	1757.86		
			7.85	1750.01
TBm				1792.54
	3.28	1795.82		
ERM 4			4.58	1791.24
	4.72	1795.96		
			3.42	1792.54
PANEL PT 2009				1802.59
	3.50	1806.09		
ERM 5			3.93	1802.16
	4.11	1806.27		
P.P. 2009			3.68	1802.59

FND 1/2" RB PANEL PT 1009 Collins / Pima (SEE PG 8)

SET B.C. 165'S / ±35'E. PC NORTH ON 27th AVE NORTH OF DOLORES 1.70' W PPOLE #2

NAIL IN POWER POLE N.E. COR 17th AVE & QUARTZ (SEE PG 12)

SET B.C. ±26'N / ±30'E ALTER 17th AVE & QUARTZ 1.4' SE. OF PPOLE.

PANEL PT 2009 (SEE PG 20)

SET B.C. ±60'W / ±22'S 11th AVE & QUARTZ 1.10' E OF JOINT MAILBOX PED

	BS	HI	FS	ELEV	
TBm				1839.58	NAIL in Power Pole NE Cor 11th Ave / Irvine (SEE Pg 20)
	2.30	1841.88			
ERM 7			3.20	1838.68	SET B.C. ±32' N / ±25' E NE Corner 11th Ave / Irvine 2.20' S. Power Pole
	3.08	1841.76			
			2.18	1839.58	
P.P. 2011				1819.39	PANEL PT 2011 (SEE Pg 20)
	4.60	1823.99			
ERM 6			5.82	1817.93	SET B.C. ±260' W / ±37' N 11th Ave / Joy Ranch 2.65' E of Power Pole
	5.85	1823.93			
PP 2011			4.63	1819.30	
TBm				1869.04	NAIL in Power Pole NE Cor 7th Ave / Desert Hills (SEE Pg 32)
	3.58	1872.62			
ERM 8			4.25	1868.37	SET B.C. ±40' N / ±45' E of SW Cor Sec 20 7th Ave / Desert Hills
			5.15	1867.47	Top 1/2" RB in Pothole SW Cor Sec 20 7th Ave / Desert Hills
	5.09	1872.56			
TBm			3.52	1869.04	

	B.S.	HI	F.S.	ELEV
P.P. 2016				1920.55
	5.27	1925.82		
ERm 10			5.29	1920.53
	5.42	1925.95		
			5.40	1920.55
P.P. 2020				1901.10
	7.03	1908.13		
ERm 9			4.77	1903.36
	4.86	1908.22		
			7.13	1901.09
P.P. 1008				1771.18
	7.40	1778.58		
			3.45	1775.13
	3.84	1778.97		
			2.17	1776.80
	8.92	1785.72		
			8.47	1777.25
	4.13	1781.38		
ERm 2			1.05	1780.33 ~~1778~~

PANEL PT 2016 SET 1/2" RB ±30' N. INTER. CENTRAL & RIDGECREST (SEE PG 36)

SET B.C. ±82' E / ±25' N. INTER. CENTRAL & RIDGECREST 2.60' WEST OF POWER POLE #1

PANEL PT 2020 SET 1/2" RB ±14' W / ±45' N E 1/4 COR SEC 20 7TH AVE & SADDLE MTN (SEE PG 30)

SET B.C. ±105' E / 20' S. E 1/4 COR SEC 20 7TH AVE & SADDLE MTN. 1' EAST OF JOINT MAILBOX PEDESTAL

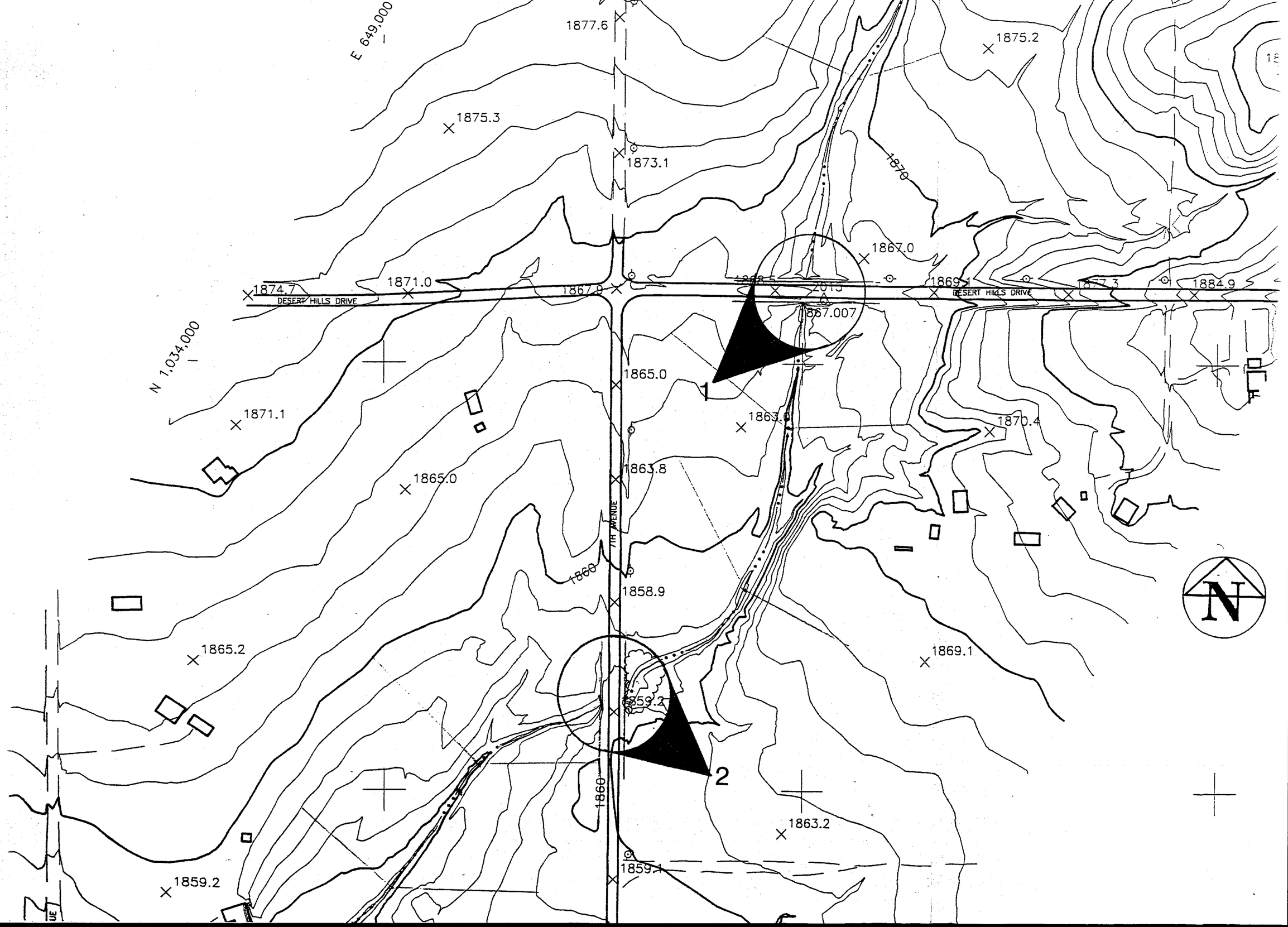
FOUND 1/2" RS SET BY COLLINS / PINA (SEE PG 8)

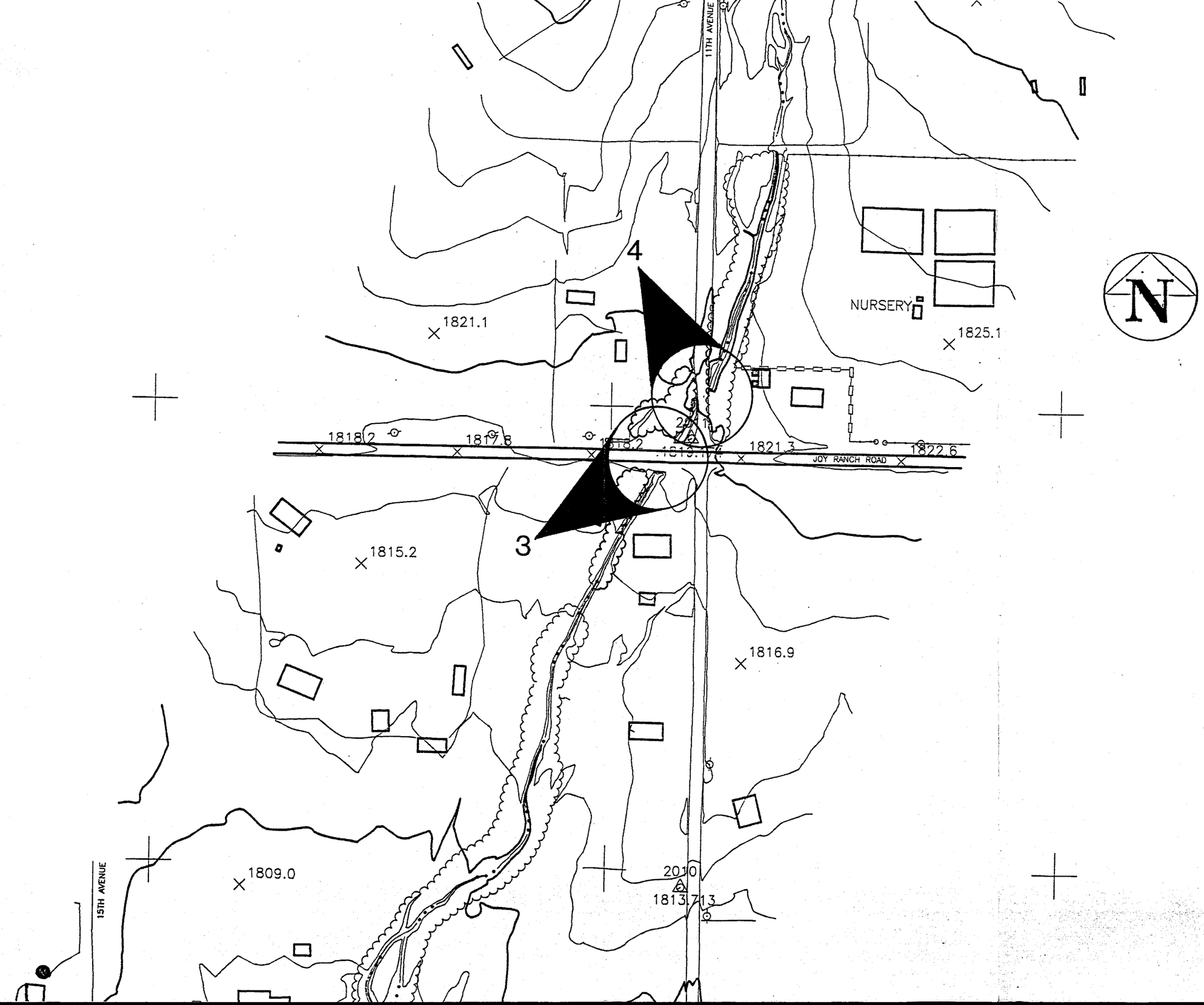
GLO B.C. N 1/4 COR SEC 36 JOY RANCH & 23RD AVE

(60)	BS.	HI	F.S.	ELEV	
ERm 2				1780^{33}	
	4^{93}	1785^{26}			
			6^{32}	1778^{94}	
	2^{42}	1781^{36}			
			5^{65}	1775^{71}	
	3^{99}	1779^{70}			
P.P. 1008			8^{52}	1771.8	
ERM 3				1787.44	Top of G.L.O. BC. - East 1/4 Cor Sec 36 19th Ave & Quartz (See Pg. 11)
ERM #11				1931.79	Top of GLO BC. - North 1/4 Cor Sec 20 Central Ave & Rockaway Road (See Pg 43)

CULVERT TOPO

ALCOCER LAND SURVEYORS

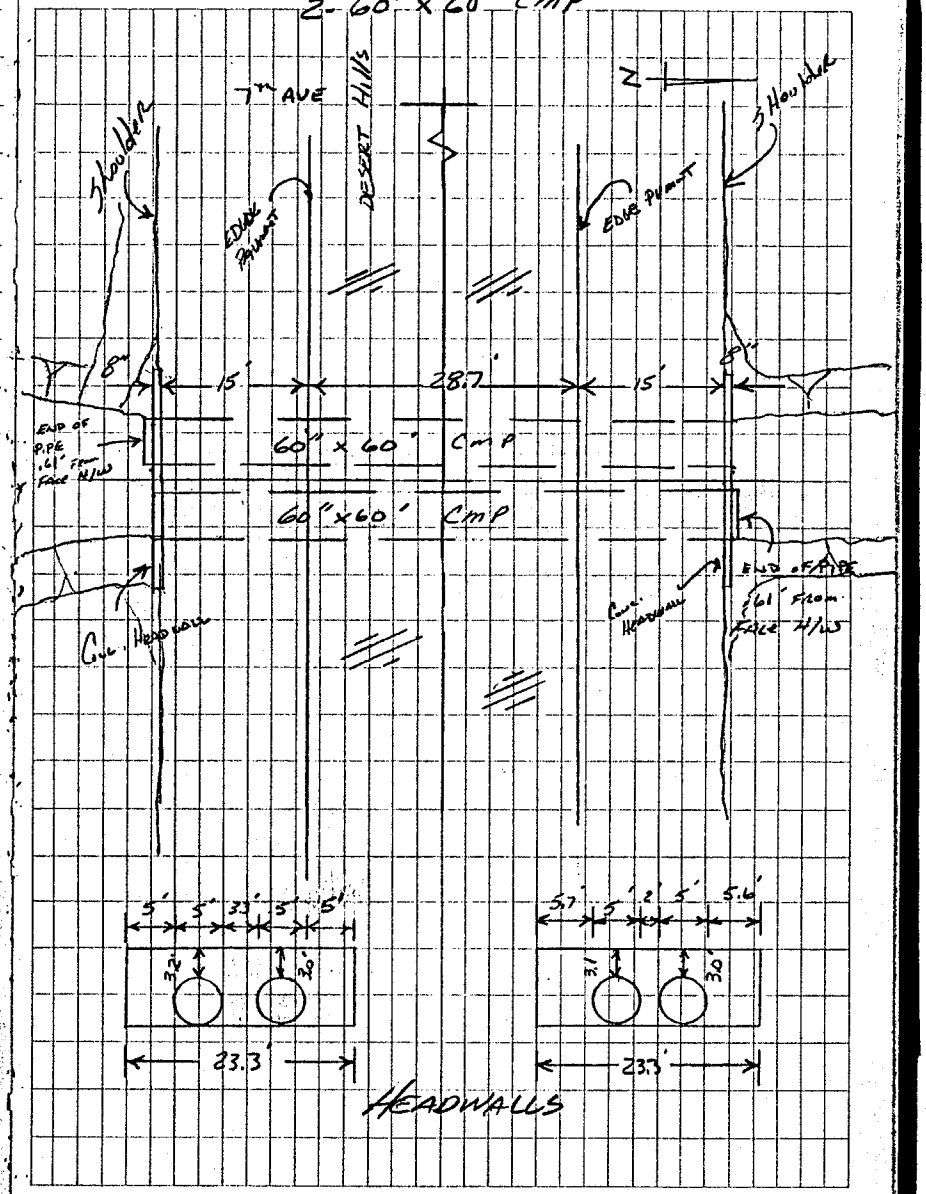

E 649,000
N 1,034,000
1877.6
1875.2
1875.3
1873.1
1870
1867.0
1871.0
1874.7
DESERT HILLS DRIVE
1867.9
1867.007
1869.1
1884.9
1865.0
1871.1
1863.0
1870.4
1863.8
7TH AVENUE
1860
1858.9
1865.2
1869.1
1859.2
1860
1863.2
1859.1
1859.2
1
2
N


11TH AVENUE
4
NURSERY
1821.1
1825.1
N
1818.2
1817.8
1821.3
1822.6
JOY RANCH ROAD
3
1815.2
1816.9
1809.0
15TH AVENUE
2010
1813.713

CULVERT DETAIL

CULVERT #1

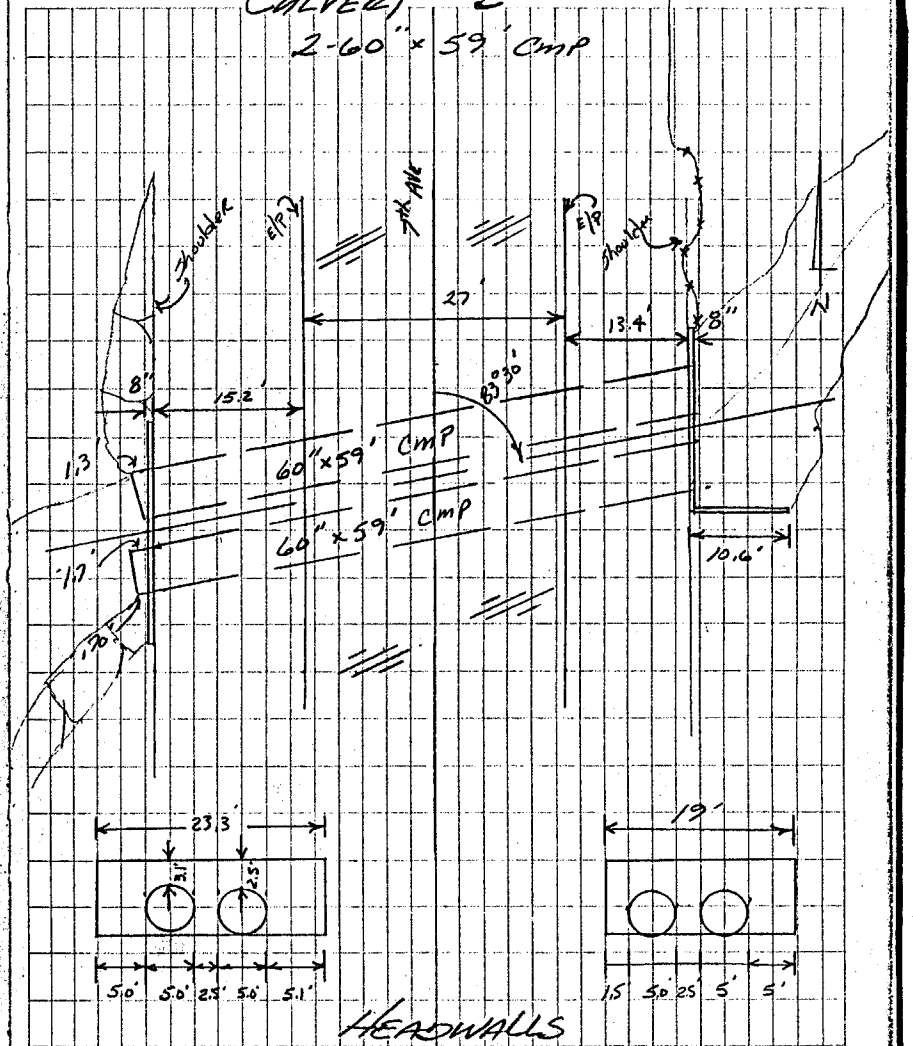
2-60" x 66' CMP



HEADWALLS

CULVERT #2

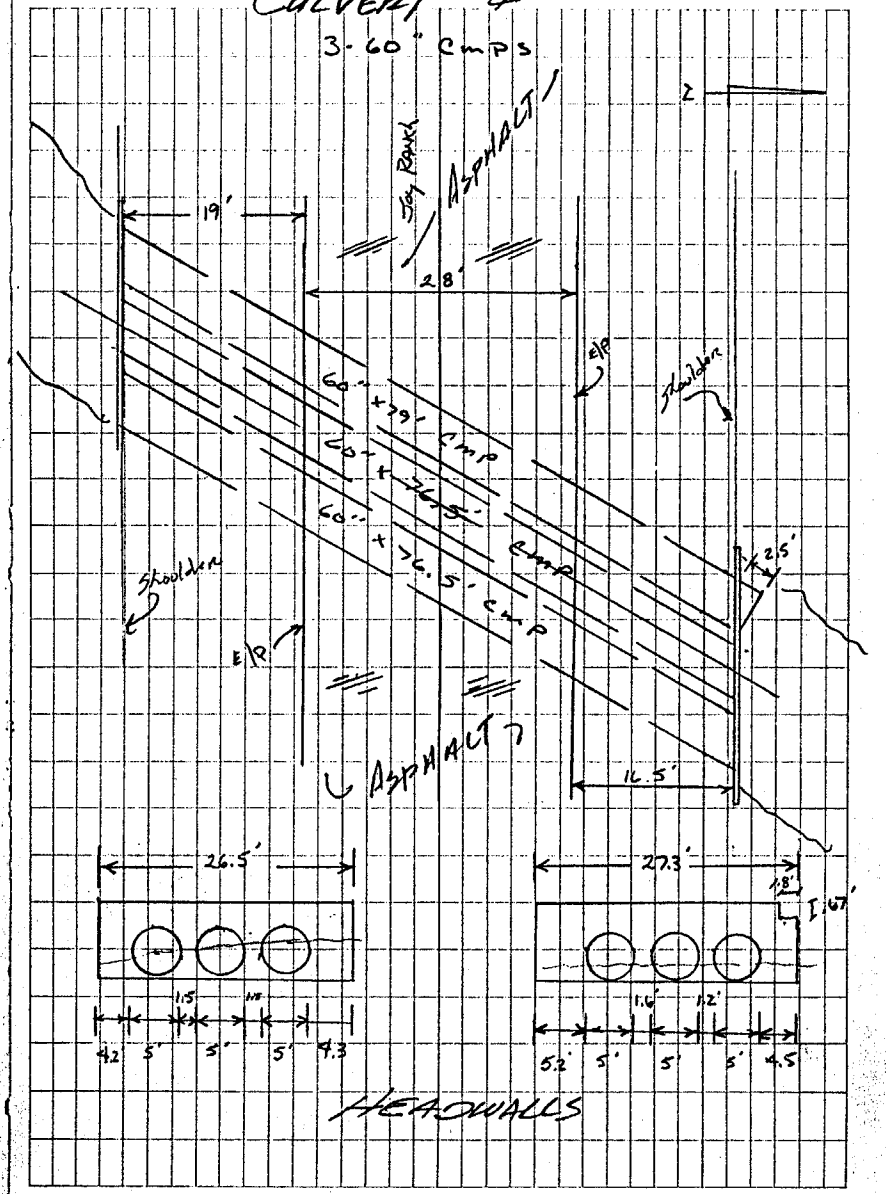
2-60" x 59' CMP



HEADWALLS

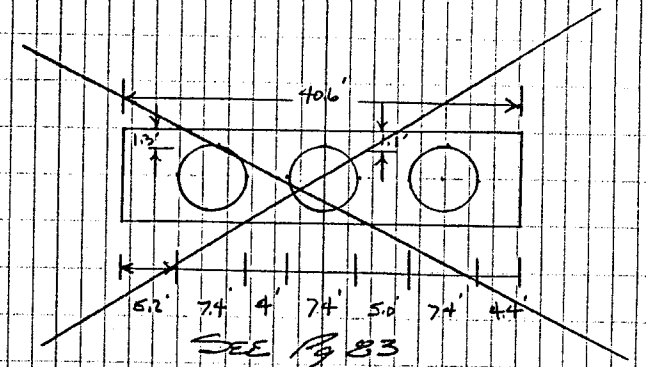
CULVERT #4

3-60" CMPs



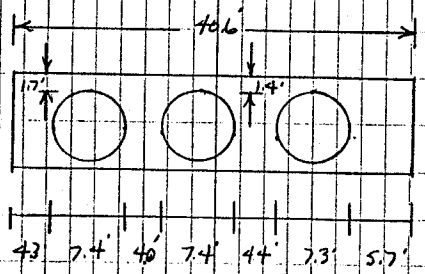
HEADWALLS

CULVERT #3
HEADWALLS



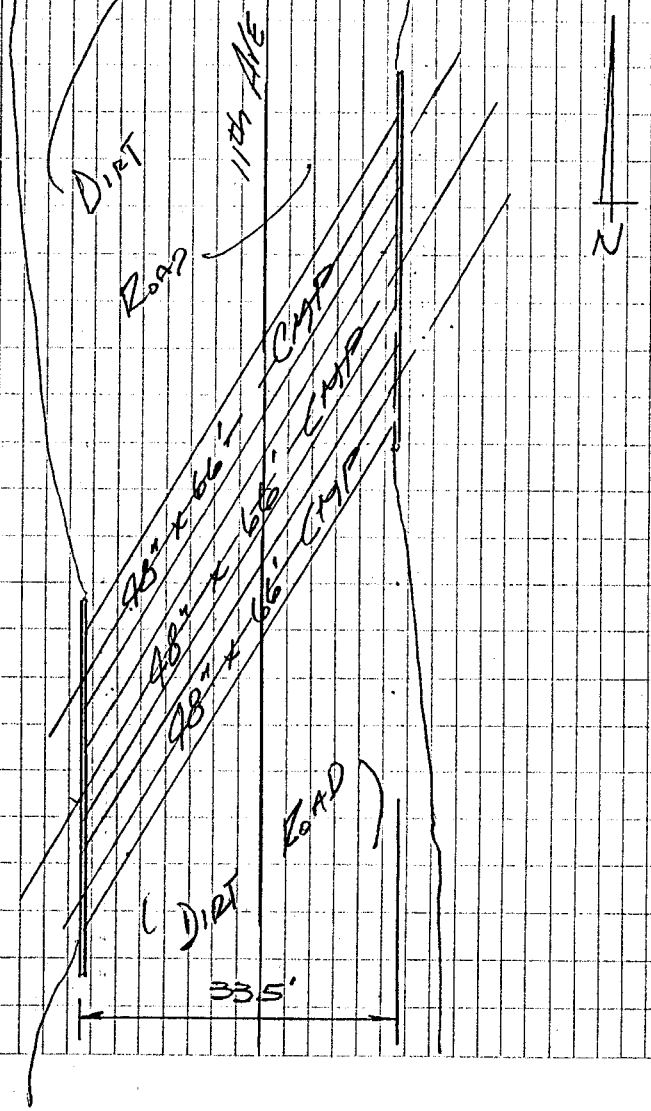
SEE Fig 83

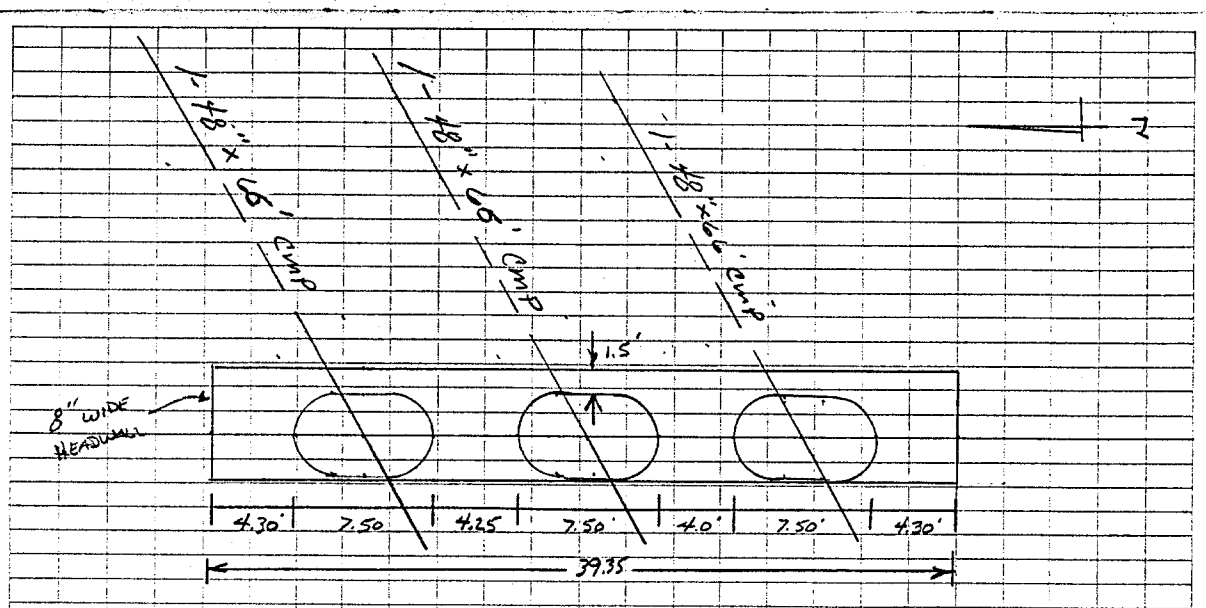
WEST HEADWALL
(LOOKING EAST)



EAST HEADWALL
(LOOKING WEST)

CULVERT #3 (REVISED) 3-25-97





WEST HEADWALL
(LOOKING EAST)