

City of Shasta Lake

HORIZONTAL & VERTICLE
CONTROL NETWORK



December 2007

HORIZONTAL & VERTICAL CONTROL NETWORK

CITY OF SHASTA LAKE

December 19, 2007

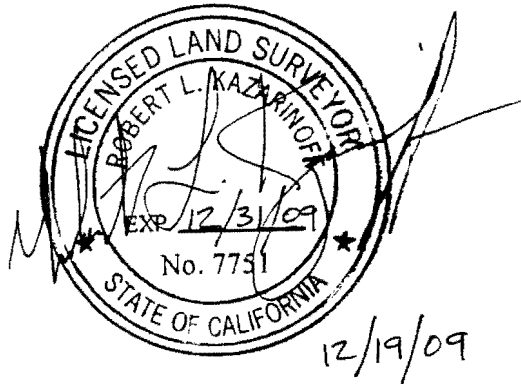
**HORIZONTAL & VERTICAL CONTROL NETWORK
CITY OF SHASTA LAKE**

December 19, 2007

SURVEY CONTROL STATEMENT

Horizontal Coordinates are California State Plane Coordinates, Zone 1, Epoch 1991.35, using Monument Nos. 4 and 10 as delineated herein as the basis of survey measurement.

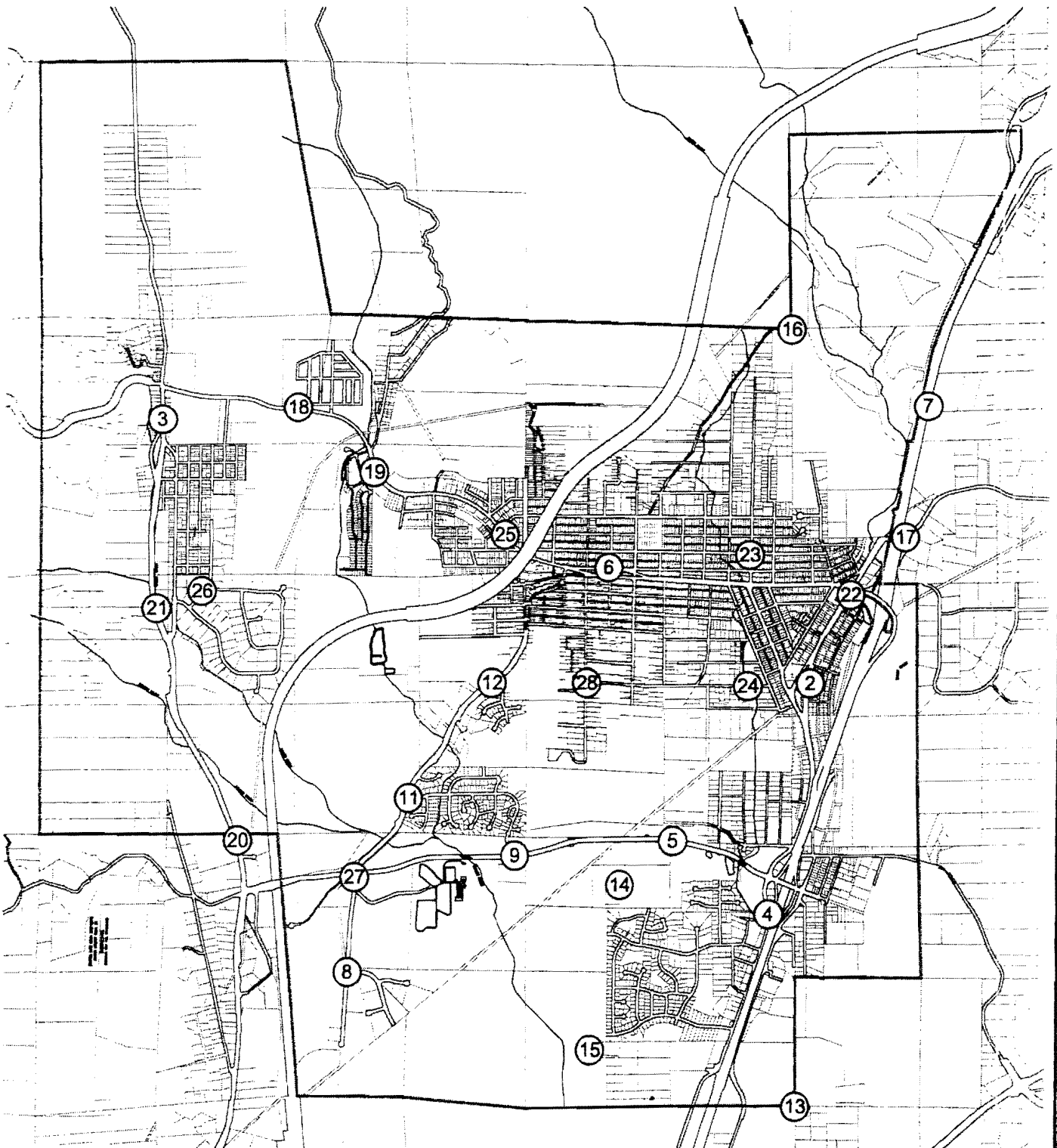
Vertical Coordinates are in reference to the North American Vertical Datum of 1988 (NAVD88), using Monument Nos. 2 and 7 as delineated herein as Benchmarks.



CITY OF SHASTA LAKE
HORIZONTAL & VERTICAL CONTROL NETWORK
SURVEY MONUMENT LEGEND



1" = 3000'



Data Sheet

HORIZONTAL & VERTICAL CONTROL NETWORK MONUMENT No.2

DESIGNATION - B 676
PID - LU0137
STATE/COUNTY- CA/SHASTA
USGS QUAD - PROJECT CITY (1969)

CITY OF SHASTA LAKE

CURRENT SURVEY CONTROL

NAD 83 (1986)

NAVD 88

750.28 (feet)

ADJUSTED

EPOCH DATE - 1991.35

GEOID03

VERT ORDER - FIRST CLASS II

| | North | East | Units | Scale Factor | Converg. |
|---------------|---------------------|---------------------|----------------|-----------------|-----------|
| SPC CA ZONE 1 | 2,129,428.59 | 6,463,517.30 | sFT | 0.99989852 | -0 13.884 |
| | Elev Factor | x | Scale Factor = | Combined Factor | |
| | 0.99996835 | x | 0.99989852 = | 0.99986687 | |

MARKER : Bench Mark Disk

SETTING : Headwall

STAMPING : B 676 1943

STABILITY : May hold, but commonly subject to surface motion

STATION DESCRIPTION

3.5" diameter brass disk stamped "B 676 1943", 0.35 miles southerly along Cascade Boulevard from the intersection of Cascade Boulevard and Shasta Dam Boulevard, in top of and 1.0 ft north of the south end of the east concrete headwall of a box culvert, 46.6 ft south of the center of a driveway leading to 2019 Cascade Boulevard, and 24.9 ft east of the centerline of Cascade Boulevard.

Data Sheet

HORIZONTAL & VERTICAL CONTROL NETWORK
MONUMENT No.3

DESIGNATION - LAKE
PID -
STATE/COUNTY- CA/SHASTA
USGS QUAD -

CITY OF SHASTA LAKE

CURRENT SURVEY CONTROL

NAD 83
NAVD 88 **896.51 (feet)**

EPOCH DATE - 1991_35
GEOID03

| | North | East | Units | Scale Factor | Converg. |
|---------------|---------------------|---------------------|----------------|-----------------|-----------|
| SPC CA ZONE 1 | 2,134,819.69 | 6,450,012.74 | sFT | 0.99989784 | -0 15.797 |
| | Elev Factor | x | Scale Factor = | Combined Factor | |
| | 0.99996134 | x | 0.99989784 = | 0.99985918 | |

MARKER : 2" Brass Disk
SETTING : Monument Well
STAMPING :
STABILITY : May hold, but commonly subject to surface motion

STATION DESCRIPTION

2" diameter brass disk, approx. 450 ft south along Lake Boulevard from the intersection of Lake Boulevard and Shasta Dam Boulevard, in monument well on the centerline of Lake Boulevard.

Data Sheet

**HORIZONTAL & VERTICAL CONTROL NETWORK
MONUMENT No.4**

DESIGNATION - HPGN D CA 02 JH
PID - AE9983
STATE/COUNTY- CA/SHASTA
USGS QUAD - PROJECT CITY (1969)

CITY OF SHASTA LAKE

CURRENT SURVEY CONTROL

| | | | |
|---------------|----------------------|--------------------|----------|
| NAD 83 (1992) | 40 39 42.33946(N) | 122 21 24.42347(W) | ADJUSTED |
| NAVD 88 | 676.65 (feet) | | |

EPOCH DATE - 1991.35
GEOID05
HORZ ORDER - FIRST

| | North | East | Units | Scale Factor | Converg. |
|---------------|---------------------|---------------------|----------------|-----------------|-----------|
| SPC CA ZONE 1 | 2,124,556.72 | 6,462,690.76 | sFT | 0.99989919 | -0 13.998 |
| | Elev Factor | x | Scale Factor = | Combined Factor | |
| | 0.99997189 | x | 0.99989919 = | 0.99987108 | |

MARKER : Survey Disk
SETTING : Aluminum Alloy Rod w/o Sleeve
STAMPING : CA-HPGN-DENSIFICATION STA. 02-JH 1996
STABILITY : Probably hold position/elevation well

STATION DESCRIPTION

Aluminum disk stamped "D.O.T. STA. 02-JH 1996", 0.15 miles southerly along Cascade Boulevard from the intersection of Cascade Boulevard and Pine Grove Avenue to the Station on the left. The Station is located at Interstate 5 Postmile 20.86 and is a survey disk encased in PVC pipe with access cover set in concrete flush with the ground, 138.0 ft south of 90 degree angle in the west right-of-way fence of Interstate 5, 24.0 ft northwest of the center of a 36" diameter storm drain drop inlet, and 14.6 ft west of the right-of-way fence.

Data Sheet

HORIZONTAL & VERTICAL CONTROL NETWORK
MONUMENT No.6

DESIGNATION - LOCU
PID -
STATE/COUNTY- CA/SHASTA
USGS QUAD -

CITY OF SHASTA LAKE

CURRENT SURVEY CONTROL

NAD 83
NAVD 88 **806.61 (feet)**

EPOCH DATE - 1991.35
GEOID03

| | North | East | Units | Scale Factor | Converg. |
|---------------|---------------------|---------------------|----------------|-----------------|-----------|
| SPC CA ZONE 1 | 2,131,621.28 | 6,459,271.06 | sFT | 0.99989823 | -0 14.486 |
| | Elev Factor | x | Scale Factor = | Combined Factor | |
| | 0.99996565 | x | 0.99989823 = | 0.99986388 | |

MARKER : 2" Brass Disk
SETTING : Sidewalk
STAMPING : D.O.T. 5.90
STABILITY : May hold, but commonly subject to surface motion

STATION DESCRIPTION

2" diameter brass disk stamped "D.O.T. 5.90". in the sidewalk in the northwest quadrant of the intersection of Locust Avenue and Front Street.

Data Sheet

HORIZONTAL & VERTICAL CONTROL NETWORK
MONUMENT No.7

DESIGNATION - C 676
PID - LU0138
STATE/COUNTY- CA/SHASTA
USGS QUAD - PROJECT CITY (1969)

CITY OF SHASTA LAKE

CURRENT SURVEY CONTROL

NAD 83 (1986)
NAVD 88 **803.53 (feet)** ADJUSTED

EPOCH DATE - 1991.35
GEOID03
VERT ORDER - FIRST CLASS II

| | North | East | Units | Scale Factor | Converg. |
|---------------|---------------------|---------------------|----------------|-----------------|-----------|
| SPC CA ZONE 1 | 2,134,514.60 | 6,465,892.07 | sFT | 0.99989787 | -0 13.551 |
| | Elev Factor | x | Scale Factor = | Combined Factor | |
| | 0.99996580 | x | 0.99989787 = | 0.99986367 | |

MARKER : Bench Mark Disk
SETTING : Headwall
STAMPING : C 676 1943
STABILITY : May hold, but commonly subject to surface motion

STATION DESCRIPTION

3.5" diameter brass disk stamped "C 676 1943", 0.70 miles northerly along Interstate 5 from the intersection of Interstate 5 and Shasta Dam Boulevard, in top of and 1.6 ft north of the south end of the east concrete headwall of a box culvert, 64.0 ft east of the centerline of the northbound lanes of Interstate 5, and 10.2 ft west of a fence.

Data Sheet

HORIZONTAL & VERTICAL CONTROL NETWORK
MONUMENT No.8

DESIGNATION - GATE
PID -
STATE/COUNTY- CA/SHASTA
USGS QUAD -

CITY OF SHASTA LAKE

CURRENT SURVEY CONTROL

NAD 83
NAVD 88 **740.87 (feet)**

EPOCH DATE - 1991.35
GEOID03

| | North | East | Units | Scale Factor | Converg. |
|---------------|---------------------|---------------------|----------------|-----------------|-----------|
| SPC CA ZONE 1 | 2,123,385.59 | 6,453,865.45 | sFT | 0.99989937 | -0 15.245 |
| | Elev Factor | x | Scale Factor = | Combined Factor | |
| | 0.99996881 | x | 0.99989937 = | 0.99986818 | |

MARKER : 2" Brass Disk
SETTING : Monument Well
STAMPING : "RCE 14359"
STABILITY : May hold, but commonly subject to surface motion

STATION DESCRIPTION

2" diameter brass disk stamped "RCE 14359", in monument well at the intersection of Ashby Road and Shasta Gateway Drive.

Data Sheet

HORIZONTAL & VERTICAL CONTROL NETWORK
MONUMENT No.9

DESIGNATION - COEU
PID -
STATE/COUNTY- CA/SHASTA
USGS QUAD -

CITY OF SHASTA LAKE

CURRENT SURVEY CONTROL

NAD 83
NAVD 88 742.24 (feet)

EPOCH DATE - 1991.35
GEOID03

| | North | East | Units | Scale Factor | Converg. |
|---------------|---------------------|---------------------|----------------|-----------------|-----------|
| SPC CA ZONE 1 | 2,125,765.10 | 6,457,371.55 | sFT | 0.99989902 | -0 14.751 |
| | Elev Factor | x | Scale Factor = | Combined Factor | |
| | 0.99996874 | x | 0.99989902 = | 0.99986776 | |

MARKER : 2" Brass Disk
SETTING : Monument Well
STAMPING : "RCE 24037"
STABILITY : May hold, but commonly subject to surface motion

STATION DESCRIPTION

2" diameter brass disk stamped "RCE 24037", in monument well at the intersection of Coeur d'Alene Avenue and Pine Grove Avenue.

Data Sheet

HORIZONTAL & VERTICAL CONTROL NETWORK
MONUMENT No.10

DESIGNATION - HPGN D CA 02 HH
PID - AE9981
STATE/COUNTY- CA/SHASTA
USGS QUAD - REDDING (1969)

CITY OF REDDING

CURRENT SURVEY CONTROL

| | | | |
|---------------|-------------------|--------------------|----------|
| NAD 83 (1992) | 40 35 17.09988(N) | 122 22 43.40830(W) | ADJUSTED |
| NAVD 88 | 495. (feet) | | GPS OBS |

EPOCH DATE - 1991.35
GEOID03
HORZ ORDER - FIRST

| | North | East | Units | Scale Factor | Converg. |
|---------------|--------------|--------------|----------------|-----------------|-----------|
| SPC CA ZONE 1 | 2,097,742.50 | 6,456,488.32 | sFT | 0.99990388 | -0 14.859 |
| | Elev Factor | x | Scale Factor = | Combined Factor | |
| | 0.99998063 | x | 0.99990388 = | 0.99988451 | |

MARKER : Survey Disk
SETTING : Aluminum Alloy Rod w/o Sleeve
STAMPING : CA-HPGN-DENSIFICATION STA. 02-HH 1996
STABILITY : Probably hold position/elevation well

STATION DESCRIPTION

Aluminum disk stamped "D.O.T. STA. 02-HH 1996", 0.13 miles north along Auditorium Drive from the intersection of Auditorium Drive and Park Marina Drive to the intersection with Tommy Turnpike and the Station on the right. The Station is a survey disk encased in PVC pipe with access cover set in concrete flush with the ground, 36.9 ft west of the stop sign for Tommy Turnpike at Auditorium Drive, 28.4 ft northeast of the centerline of Auditorium Drive, and 3.3 ft northeast of the back of curb of Auditorium Drive.

Data Sheet

HORIZONTAL & VERTICAL CONTROL NETWORK
MONUMENT No.11

DESIGNATION - ASH1
PID -
STATE/COUNTY- CA/SHASTA
USGS QUAD -

CITY OF SHASTA LAKE

CURRENT SURVEY CONTROL

NAD 83
NAVD 88 **725.76 (feet)**

EPOCH DATE - 1991.55
GEOID03

| | North | East | Units | Scale Factor | Converg. |
|---------------|---------------------|---------------------|----------------|-----------------|-----------|
| SPC CA ZONE 1 | 2,126,616.16 | 6,455,027.45 | sFT | 0.99989890 | -0 15.083 |
| | Elev Factor | x | Scale Factor = | Combined Factor | |
| | 0.99996953 | x | 0.99989890 = | 0.99986843 | |

MARKER : 2.5" Brass Disk
SETTING : Monument Well
STAMPING :
STABILITY : May hold, but commonly subject to surface motion

STATION DESCRIPTION

2.5" diameter brass disk, approx. 40 ft south along Ashby Road from the intersection of Ashby Road and Coeur d'Alene, on the west side of Ashby Road, in monument well 13 ft west from centerline of Ashby Road.

Data Sheet

**HORIZONTAL & VERTICAL CONTROL NETWORK
MONUMENT No.12**

DESIGNATION - WOOD
PID -
STATE/COUNTY- CA/SHASTA
USGS QUAD -

CITY OF SHASTA LAKE

CURRENT SURVEY CONTROL

NAD 83
NAVD 88 **788.23 (feet)**

EPOCH DATE - 1991.35
GEOID03

| | North | East | Units | Scale Factor | Converg. |
|---------------|---------------------|---------------------|----------------|-----------------|-----------|
| SPC CA ZONE 1 | 2,129,290.03 | 6,456,994.65 | sFT | 0.99989854 | -0 14.806 |
| | Elev Factor | x | Scale Factor = | Combined Factor | |
| | 0.99996654 | x | 0.99989854 = | 0.99986508 | |

MARKER : 2.5" Brass Disk
SETTING : Monument Well
STAMPING :
STABILITY : May hold, but commonly subject to surface motion

STATION DESCRIPTION

2.5" diameter brass disk, approx. 88 ft east along Woodley Avenue from the intersection of Woodley Avenue and Ashby Road, in monument well on the centerline of Woodley Avenue.

Data Sheet

HORIZONTAL & VERTICAL CONTROL NETWORK
MONUMENT No.13

DESIGNATION - SC7E
PID -
STATE/COUNTY- CA/SHASTA
USGS QUAD -

CITY OF SHASTA LAKE

CURRENT SURVEY CONTROL

NAD 83
NAVD 88 **670.57 (feet)**

EPOCH DATE - 1991.35
GEOID03

| | North | East | Units | Scale Factor | Converg. |
|---------------|---------------------|---------------------|----------------|-----------------|-----------|
| SPC CA ZONE 1 | 2,120,663.06 | 6,463,184.59 | sFT | 0.99989977 | -0 13.926 |
| | Elev Factor | x | Scale Factor = | Combined Factor | |
| | 0.99997218 | x | 0.99989977 = | 0.99987195 | |

MARKER : 3" Brass Disk
SETTING : 6"x6" Concrete Monument
STAMPING : S5,S6,S7,S8 T.32 N., R.4 W., M.D.M. RE 5438
STABILITY : May hold, but commonly subject to surface motion

STATION DESCRIPTION

3" diameter brass disk in 6"x6" concrete monument, at the end of Crooked Oak Lane next to a 4"x4" wooden post on the north side of Crooked Oak Lane.

Data Sheet

HORIZONTAL & VERTICAL CONTROL NETWORK
MONUMENT No.14

DESIGNATION - WEST
PID -
STATE/COUNTY- CA/SHASTA
USGS QUAD -

CITY OF SHASTA LAKE

CURRENT SURVEY CONTROL

NAD 83
NAVD 88 **824.21 (feet)**

EPOCH DATE - 1991.35
GEOID03

| | North | East | Units | Scale Factor | Converg. |
|---------------|---------------------|---------------------|----------------|-----------------|-----------|
| SPC CA ZONE 1 | 2,123,292.92 | 6,458,241.84 | sFT | 0.99989938 | -0 14.626 |
| | Elev Factor | x | Scale Factor = | Combined Factor | |
| | 0.99996483 | x | 0.99989938 = | 0.99986421 | |

MARKER : 2" Brass Disk
SETTING : Monument Well
STAMPING : LS 4975
STABILITY : May hold. but commonly subject to surface motion

STATION DESCRIPTION

2" diameter brass disk stamped "LS 4975" in monument well at the center of the Westminister Cul-de-Sac.

Data Sheet

HORIZONTAL & VERTICAL CONTROL NETWORK
MONUMENT No.15

DESIGNATION - ASHW
PID -
STATE/COUNTY- CA/SHASTA
USGS QUAD -

CITY OF SHASTA LAKE

CURRENT SURVEY CONTROL

NAD 83
NAVD 88 **702.25 (feet)**

EPOCH DATE - 1991.35
GEOID03

| | North | East | Units | Scale Factor | Converg. |
|---------------|---------------------|---------------------|----------------|-----------------|-----------|
| SPC CA ZONE 1 | 2,121,651.50 | 6,458,842.68 | sFT | 0.99989962 | -0 14.540 |
| | Elev Factor | x | Scale Factor = | Combined Factor | |
| | 0.99997067 | x | 0.99989962 = | 0.99987029 | |

MARKER : 2" Brass Disk
SETTING : Monument Well
STAMPING : RCE 24037
STABILITY : May hold, but commonly subject to surface motion

STATION DESCRIPTION

2" diameter brass disk stamped "RCE 24037" in monument well at the center of the Ashwick Cul-de-Sac.

Data Sheet

HORIZONTAL & VERTICAL CONTROL NETWORK
MONUMENT No.16

DESIGNATION - SECC
PID -
STATE/COUNTY- CA/SHASTA
USGS QUAD -

CITY OF SHASTA LAKE

CURRENT SURVEY CONTROL

NAD 83
NAVD 88 **862.64 (feet)**

EPOCH DATE - 1991.35
GEOID03

| | North | East | Units | Scale Factor | Converg. |
|---------------|---------------------|---------------------|----------------|-----------------|-----------|
| SPC CA ZONE 1 | 2,136,584.26 | 6,463,055.67 | sFT | 0.99989762 | -0 13.953 |
| | Elev Factor | x | Scale Factor = | Combined Factor | |
| | 0.99996296 | x | 0.99989762 = | 0.99986058 | |

MARKER : 3" Brass Disk
SETTING : 2.5" Iron Pipe
STAMPING : S20,S19,S30,S29, T.33 N., R.4 W., M.D.M.
STABILITY : May hold, but commonly subject to surface motion

STATION DESCRIPTION

3" diameter brass disk in iron pipe monument, northeasterly along Black Canyon Road to the end of the pavement, continue approx. 200 ft on dirt road, then bear to the right and continue approx. 100 ft to a clearing. Station is approx. 5 ft from fence corner on the left.

Data Sheet

HORIZONTAL & VERTICAL CONTROL NETWORK
MONUMENT No.17

DESIGNATION - BRGE
PID -
STATE/COUNTY- CA/SHASTA
USGS QUAD -

CITY OF SHASTA LAKE

CURRENT SURVEY CONTROL

NAD 83
NAVD 88 **808.82 (feet)**

EPOCH DATE - 1991.35
GEOID03

| | North | East | Units | Scale Factor | Converg. |
|---------------|---------------------|---------------------|----------------|-----------------|-----------|
| SPC CA ZONE 1 | 2,132,316.23 | 6,465,450.30 | sFT | 0.99989814 | -0 13.612 |
| | Elev Factor | x | Scale Factor = | Combined Factor | |
| | 0.99996555 | x | 0.99989814 = | 0.99986369 | |

MARKER : Chisled "X"
SETTING : Concrete Wall
STAMPING :
STABILITY : May hold, but commonly subject to surface motion

STATION DESCRIPTION

Chisled "X" in concrete wall at the southeast corner of the Union School Road O.C. at Interstate 5, between concrete pillar and guardrail.

Data Sheet

HORIZONTAL & VERTICAL CONTROL NETWORK
MONUMENT No.18

DESIGNATION - TOYO
PID -
STATE/COUNTY- CA/SHASTA
USGS QUAD -

CITY OF SHASTA LAKE

CURRENT SURVEY CONTROL

NAD 83
NAVD 88 **935.80 (feet)**

EPOCH DATE - 1991.35
GEOID03

| | North | East | Units | Scale Factor | Converg. |
|---------------|---------------------|---------------------|----------------|-----------------|-----------|
| SPC CA ZONE 1 | 2,134,935.80 | 6,452,854.97 | sFT | 0.99989782 | -0 15.395 |
| | Elev Factor | x | Scale Factor = | Combined Factor | |
| | 0.99995946 | x | 0.99989782 = | 0.99985728 | |

MARKER : 1" Iron Pipe w/ unmarked plastic cap
SETTING :
STAMPING :
STABILITY : May hold, but commonly subject to surface motion

STATION DESCRIPTION

1" Iron Pipe w/ unmarked plastic cap, approx. 70 ft west of west entry to Old Toyon Reservation and approx. 50 ft north of the centerline of Shasta Dam Boulevard.

Data Sheet

HORIZONTAL & VERTICAL CONTROL NETWORK
MONUMENT No.19

DESIGNATION - CV9
PID -
STATE/COUNTY- CA/SHASTA
USGS QUAD -

CITY OF SHASTA LAKE

CURRENT SURVEY CONTROL

NAD 83
NAVD 88 **884.93 (feet)**

EPOCH DATE - 1991.35
GEOID03

| | North | East | Units | Scale Factor | Converg. |
|---------------|---------------------|---------------------|----------------|-----------------|-----------|
| SPC CA ZONE 1 | 2,133,630.79 | 6,454,376.34 | sFT | 0.99989798 | -0 15.179 |
| | Elev Factor | x | Scale Factor = | Combined Factor | |
| | 0.99996190 | x | 0.99989798 = | 0.99985988 | |

MARKER : 1" diameter aluminum cap
SETTING : T-bar
STAMPING : CAL. DIV. OF HIGHWAYS CV-9- R/W
STABILITY : May hold, but commonly subject to surface motion

STATION DESCRIPTION

1" diameter aluminum cap stamped "CAL. DIV. OF HIGHWAYS CV-9- R/W" on T-bar, approx. 400 ft southeast of the intersection of Shasta Park Road and Shasta Dam Boulevard, and approx. 26 ft southwest of the centerline of Shasta Dam Blvd.

Data Sheet

HORIZONTAL & VERTICAL CONTROL NETWORK
MONUMENT No.21

DESIGNATION - LAK3
PID -
STATE/COUNTY- CA/SHASTA
USGS QUAD -

CITY OF SHASTA LAKE

CURRENT SURVEY CONTROL

NAD 83
NAVD 88 **822.39 (feet)**

EPOCH DATE - 1991.35
GEOID03

| | North | East | Units | Scale Factor | Converg. |
|---------------|---------------------|---------------------|----------------|-----------------|-----------|
| SPC CA ZONE 1 | 2,131,315.01 | 6,449,844.39 | sFT | 0.99989828 | -0 15.819 |
| | Elev Factor | x | Scale Factor = | Combined Factor | |
| | 0.99996489 | x | 0.99989828 = | 0.99986317 | |

MARKER : 1" Iron Pipe w/ unmarked plastic cap
SETTING :
STAMPING :
STABILITY : May hold, but commonly subject to surface motion

STATION DESCRIPTION

1" Iron Pipe w/ unmarked plastic cap, approx. 0.7 miles south along Lake Boulevard from the intersection of Shasta Dam Boulevard and Lake Boulevard, approx. 0.2 miles north of the intersection of Lake Boulevard and Hill Boulevard, approx. 38 ft east of the centerline of Lake Boulevard, and approx. 70 ft north of a 40" culvert that crosses Lake Boulevard.

Data Sheet

HORIZONTAL & VERTICAL CONTROL NETWORK
MONUMENT No.24

DESIGNATION - VALL
PID -
STATE/COUNTY- CA/SHASTA
USGS QUAD -

CITY OF SHASTA LAKE

CURRENT SURVEY CONTROL

NAD 83
NAVD 88 **720.84 (feet)**

EPOCH DATE - 1991.35
GEOID03

| | North | East | Units | Scale Factor | Converg. |
|---------------|---------------------|---------------------|----------------|-----------------|-----------|
| SPC CA ZONE 1 | 2,129,253.84 | 6,462,222.82 | sFT | 0.99989854 | -0 14.067 |
| | Elev Factor | x | Scale Factor = | Combined Factor | |
| | 0.99996976 | x | 0.99989854 = | 0.99986830 | |

MARKER : Chiseled Square
SETTING : Top of Concrete Curb
STAMPING :
STABILITY : May hold, but commonly subject to surface motion

STATION DESCRIPTION

Center of Chiseled Square in top of curb at driveway curb return at the southwest corner of the Bridge crossing Salt Creek on Vallecito Street.

Data Sheet

HORIZONTAL & VERTICAL CONTROL NETWORK
MONUMENT No.25

DESIGNATION - SDBW
PID -
STATE/COUNTY- CA/SHASTA
USGS QUAD -

CITY OF SHASTA LAKE

CURRENT SURVEY CONTROL

NAD 83
NAVD 88 **831.70 (feet)**

EPOCH DATE - 1991.35
GEOID03

| | North | East | Units | Scale Factor | Converg. |
|---------------|---------------------|---------------------|----------------|-----------------|-----------|
| SPC CA ZONE 1 | 2,132,252.87 | 6,457,161.02 | sFT | 0.99989815 | -0 14.784 |
| | Elev Factor | x | Scale Factor = | Combined Factor | |
| | 0.99996445 | x | 0.99989815 = | 0.99986260 | |

MARKER : Chiseled Square
SETTING : Headwall
STAMPING :
STABILITY : May hold, but commonly subject to surface motion

STATION DESCRIPTION

Center of Chiseled Square in top of and 1.0 ft west of the east end of the concrete headwall of a 24" RCP, 39 ft north of the centerline of Shasta Dam Boulevard at 3905 Shasta Dam Boulevard.

Data Sheet

HORIZONTAL & VERTICAL CONTROL NETWORK MONUMENT No.26

DESIGNATION - RANW
PID -
STATE/COUNTY- CA/SHASTA
USGS QUAD -

CITY OF SHASTA LAKE

CURRENT SURVEY CONTROL

NAD 83
NAVD 88 **816.26 (feet)**

EPOCH DATE - 1991.35
GEOID03

| | North | East | Units | Scale Factor | Converg. |
|---------------|---------------------|---------------------|----------------|-----------------|-----------|
| SPC CA ZONE 1 | 2,131,159.84 | 6,450,849.04 | sFT | 0.99989830 | -0 15.677 |
| | Elev Factor | x | Scale Factor = | Combined Factor | |
| | 0.99996519 | x | 0.99989830 = | 0.99986349 | |

MARKER : Chiseled Square
SETTING : Headwall
STAMPING :
STABILITY : May hold, but commonly subject to surface motion

STATION DESCRIPTION

Center of Chiseled Square in top of and 1.0 ft east of the west end of the concrete headwall of two 5ft wide CMPs, 16 ft south of the centerline of Ranchera Road and 135 ft west of the intersection of Ranchera Road and Shasta Street.

Data Sheet

HORIZONTAL & VERTICAL CONTROL NETWORK
MONUMENT No.27

DESIGNATION - ASHP
PID -
STATE/COUNTY- CA/SHASTA
USGS QUAD -

CITY OF SHASTA LAKE

CURRENT SURVEY CONTROL

NAD 83
NAVD 88 **736.55 (feet)**

EPOCH DATE - 1991.35
GEOID03

| | | | | | |
|---------------|---------------------|---------------------|----------------|-----------------|-----------|
| SPC CA ZONE 1 | North | East | Units | Scale Factor | Converg. |
| | 2,125,328.24 | 6,454,050.04 | sFT | 0.99989909 | -0 15.220 |
| | Elev Factor | x | Scale Factor = | Combined Factor | |
| | 0.99996901 | x | 0.99989909 = | 0.99986810 | |

MARKER : Chiseled Square
SETTING : Top of Concrete Curb
STAMPING :
STABILITY : May hold, but commonly subject to surface motion

STATION DESCRIPTION

Center of Chiseled Square on top of curb of drainage inlet at the southwest corner of the intersection of Ashby Road and Pine Grove Avenue.

Data Sheet

HORIZONTAL & VERTICAL CONTROL NETWORK
MONUMENT No.28

DESIGNATION - MONT
PID -
STATE/COUNTY- CA/SHASTA
USGS QUAD -

CITY OF SHASTA LAKE

CURRENT SURVEY CONTROL

NAD 83
NAVD 88 **810.86 (feet)**

EPOCH DATE - 1991.35
GEOID03

| | North | East | Units | Scale Factor | Converg. |
|---------------|---------------------|---------------------|----------------|-----------------|-----------|
| SPC CA ZONE 1 | 2,129,280.32 | 6,458,902.61 | sFT | 0.99989854 | -0 14.536 |
| | Elev Factor | x | Scale Factor = | Combined Factor | |
| | 0.99996545 | x | 0.99989854 = | 0.99986399 | |

MARKER : Chiseled Square
SETTING : Top of Concrete Curb
STAMPING :
STABILITY : May hold. but commonly subject to surface motion

STATION DESCRIPTION

Center of Chiseled Square in top of curb at the southeast curb return at the intersection of Vallecito Street and Montana Avenue.