

RECORD OF SURVEY NO. 35-19

BEING A SURVEY OF THE NW 1/4 OF THE SE 1/4 OF SECTION 11,
TOWNSHIP 1 SOUTH, RANGE 28 EAST, MOUNT DIABLO MERIDIAN,
COUNTY OF MONO, STATE OF CALIFORNIA

CORNER DESCRIPTIONS:

- 1 Found a 2 1/4" ϕ CA Division of Highways Brass Cap inscribed T1S R28E

$$\begin{array}{r} 3|2 \\ 10|11 \\ 1976 \end{array}$$
 on a 2" I.D. Iron Pipe in a 2' ϕ Rock Mound.
Remains of old hewn 2 1/2" ϕ post along side of monument. From which:
A 24" ϕ Jeffrey Pine with USFS metal BT Tag dated 9/9/54 bears N30°E, 20'.
- 2 Found a 2 1/4" ϕ CA Division of Highways Brass Cap inscribed T1S R28E

$$\begin{array}{r} S2|S1 \\ S11|S12 \\ \text{REPL } 10/27/76 \end{array}$$
 on a 2" I.D. Iron Pipe in a 2' ϕ Rock Mound.
Remains of old hewn 2" ϕ X 2' post along side of monument.
- 3 Evidence of original corner monument not found. Found BTs as follows:
 1. 39" ϕ Jeffrey Pine bearing tree stump. Set a 1 1/2" ϕ aluminum cap inscribed LS5149 on a 5/8" ϕ x 2' rebar S15°W, 39.38' (N15°E, 58 lks R2) from tree.
 2. Found 24" ϕ down Jeffrey Pine, blazed & scribed with USFS metal BT tag. Tree bears S9°W, 33' (S9°W, 50 lks R2) from set monument.
- 4 Found old 2' ϕ Rock Mound buried under sage brush. Accepted as original 1/4 Corner S11/S12 per R1. Set 1 1/2" ϕ aluminum cap inscribed LS 5149 on 5/8" ϕ x 2' rebar in center of mound.
- 5 Evidence of original corner monument not found. Found BTs as follows:
 1. A 24" ϕ Jeffrey Pine with blaze and scribing and USFS metal BT tag bears N61°E, 58.7' (N61 1/2°E, 89 lks R2) from corner location.
 2. A 36" ϕ Jeffrey Pine with blaze and scribing and USFS metal tag bears S32°E, 27.7' (S32 1/2°E, 42 lks R2) from corner location.
 3. A 24" ϕ Jeffrey Pine with blaze and scribing and USFS metal tag bears N61°W, 76.6' (N61°W, 116 lks R2) from corner location. Set a 1 1/2" ϕ aluminum cap inscribed LS 5149 on a 5/8" ϕ x 2' rebar in a 2' ϕ Rock Mound at the distance intersection from the 3 BTs.
- 6 Found old hewn 3" ϕ x 3' mahogany post lying on ground. Accepted as original 1/4 Corner $\frac{S12}{S13}$ per R1. Set 1 1/2" ϕ aluminum cap inscribed LS 5149 on a 5/8" ϕ x 2' rebar at the larger ϕ end of post.
- 7 Evidence of original corner monument not found. Original Corner not found. Found 2 BTs as follows:
 1. A 12" ϕ Aspen with USFS metal BT tag bears N37°E, 10.6' (N36 3/4°E, 16 lks R1) from corner location.
 2. A 12" ϕ dead & down Aspen with USFS metal tag bears S58°E, 15.2' (S58 1/4°E, 23 lks R1) from corner location.
 Set a 1 1/2" ϕ aluminum cap inscribed LS 5149 on a 5/8" ϕ x 2' rebar in a 2' ϕ Rock Mound at the distance intersection from the 2 BTs.
- 8 Nothing found. Position determined by single proportionate measurement per R1. Nothing set.
- 9 Nothing found. Position determined using record bearing & distance per R2. The CCS bearing was determined using an average Convergence angle of +1°00'08" between the section corner and the 1/4 corner position. Measurement to spring channel topographic call reasonably conforms to record. Bearing and distance between 9 (as determined per R2) and 6 conforms well to record. Nothing set.
- 10 Nothing found. Position determined by double proportionate measurement. Nothing set.
- 11 Set 5/8" rebar control point.

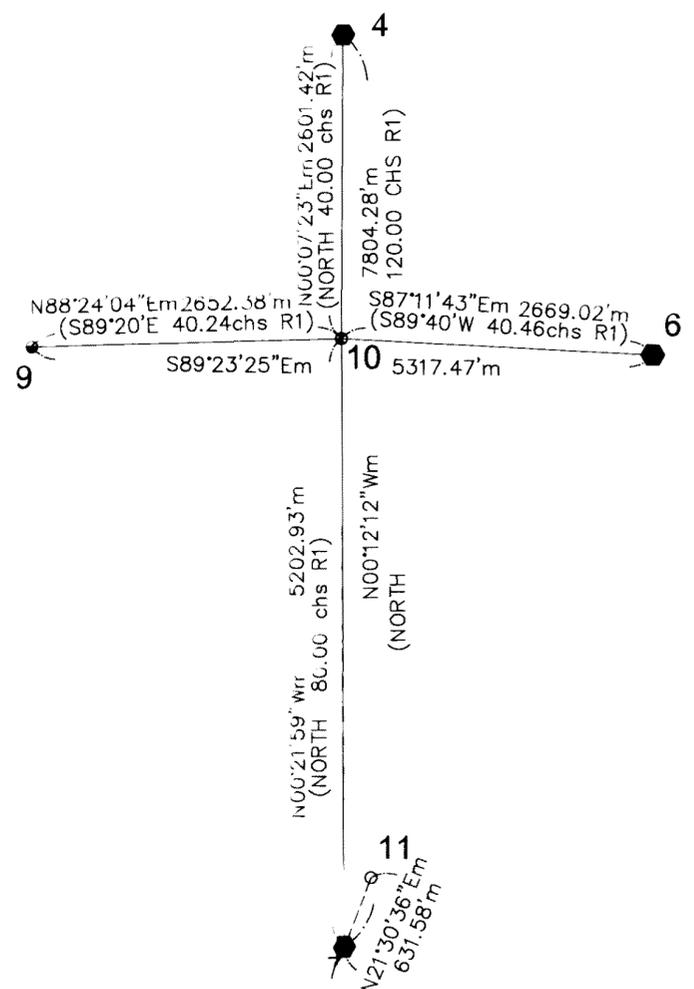
RECORD REFERENCES:

- R1 USSGO Survey of a portion of Township 1 South, Range 28 East, Mount Diablo Meridian examined and approved by the Surv. Gen. Cal. and filed in the Surveyor General's Office in San Francisco, California on April 5, 1880.
- R2 USSGO Survey of a portion of Township 1 South, Range 28 East, Mount Diablo Meridian examined and approved by the Surv. Gen. Cal. and filed in the Surveyor General's Office in San Francisco, California on December 17, 1877.

SURVEYOR'S NOTE:

In the original survey of Section 11 (History of Surveys R1) the plat and notes depict the position for the south 1/4 section corner of Section 11 as established by bearing and distance in one direction from the southwesterly section corner, said line being terminated at the 1/4 corner. The survey of the section was completed in a later survey (History of Surveys R2), in which the plat and notes reflect that a measurement was made to the found 1877 1/4 corner. In retracing this survey it was found that establishing the lost 1/4 corner by single proportion between the found monument at the southwesterly section corner and the double proportionate position for the southeasterly section corner would result in a 1/4 corner location on a line which is significantly skewed from the bearing of the terminated line on which the corner was originally established. The evidence was deemed conclusive that the secondary method of establishing the corner by Original Control was the preferable method and was used in this survey. (Ref: 1973 Manual, Section 5-45, Page 143.)

This survey was performed using GPS-RTK equipment and the convenient conversion from WGS84 to the state plane coordinate system which is referenced in the Basis of Bearings hereon. The convergence angle at a point halfway between the southeast section corner and the southerly 1/4 of Section 11 is +1°00'08" and the combined grid factor at the approximate elevation of the line of about 8400' is 0.9995330. The resultant calculated bearing and distance of EAST, 2640.00' was used to establish the location of the southerly 1/4 corner of Section 11.



DOUBLE PROPORTION DETAIL