

SURVEYOR'S NOTES

1. THE BASIS OF BEARINGS FOR THIS RECORD OF SURVEY IS THE CALIFORNIA COORDINATE SYSTEM, NAD83 (CCS83) [EPOCH OF 2009.00], ZONE 5, AS DETERMINED LOCALLY BY A LINE BETWEEN CGPS "COPR" AND "RCA2", BEING N58°15'07.98"E AS DERIVED FROM POSITIONS FOR SAID STATIONS, IN SAID EPOCH, RETRIEVED FROM THE CSRC ON SEPTEMBER 17, 2009.

2. THE BASIS FOR THE COORDINATES ON THIS RECORD OF SURVEY IS THE CCS83 (EPOCH OF 2009.00), ZONE 5, AS DETERMINED LOCALLY BY DIRECT GPS DUAL FREQUENCY STATIC TIES TO CONTINUOUS GPS STATIONS (CGPS) COPR, RCA2, P519, AND UCSB USING CSRC PUBLISHED POSITIONS RETRIEVED FROM CSRC ON OCTOBER 19, 2009. SAID STATIONS ARE PART OF THE CALIFORNIA SPATIAL REFERENCE NETWORK (CSRN) IN THAT THEY MEET ALL OF THE REQUIREMENTS OF SECTION 8857 OF THE CALIFORNIA PUBLIC RESOURCES CODE (CPRC). CSRC PUBLISHED HORIZONTAL ACCURACIES ON THESE STATIONS MEET OR EXCEED FEDERAL GEOGRAPHIC DATA COMMITTEE (FGDC) 5-MILLIMETER ACCURACY CLASSIFICATION PER FGDC-STD-007.2-1998. SAID CGPS POSITIONS WERE HELD "FIXED" IN THIS SURVEY.

3. NO CPRC SECTION 8813.2 ACCURACY IS CLAIMED FOR THE COORDINATE POSITIONS DERIVED IN THIS SURVEY. HOWEVER, ALL FOUND MONUMENTATION WAS TIED DIRECTLY TO THE FOUR ONSITE CONTROL STATIONS AS WELL AS TO AT LEAST TWO ONSITE CONTROL STATIONS USING DUAL FREQUENCY STATIC POST-PROCESSED GPS RESULTING IN A LOCAL NETWORK 95% CONFIDENCE OF ±0.05 FOOT (±1.5 CM) FOR THOSE STATIONS. SET MONUMENTS WERE POSITIONED BY SINGLE BASELINE DUAL FREQUENCY REAL TIME KINEMATIC (RTK) AND SUBSEQUENTLY CHECKED USING DUAL FREQUENCY GPS STATIC MEASUREMENTS TO THE FOUR CGPS STATIONS AND ONSITE CONTROL STATIONS TO ASSURE MEETING THE USFS ±0.07 FOOT LOCAL TOLERANCE.

4. DISTANCES SHOWN HEREON ARE GROUND DISTANCES SHOWN IN U.S. SURVEY FEET. TO OBTAIN GRID DISTANCE COMMENSURATE WITH STATE PLANE COORDINATES, MULTIPLY THE GROUND DISTANCES BY A COMBINED FACTOR (CF) OF 0.99988325. CF WAS COMPUTED AT POINT 8075 AT AN ELEVATION OF 1150 FEET. CCS83, ZONE 5 MAPPING ANGLE AT POINT 8075 IS -1°02'36".

5. RECORD DISTANCES HEREON FOLLOWED BY A "-S" ARE SHOWN AS STATE PLANE GRID DISTANCES ON THE RESPECTIVE REFERENCES SHOWN.

6. "O" INDICATES SET MONUMENT AS DESCRIBED IN DETAIL ON SHEETS 6 THROUGH 11

7. "●" INDICATES FOUND MONUMENT AS DESCRIBED IN DETAIL ON SHEETS 6 THROUGH 11

8. "▲" INDICATES CONTINUOUS GPS STATION (CGPS) AS NOTED.

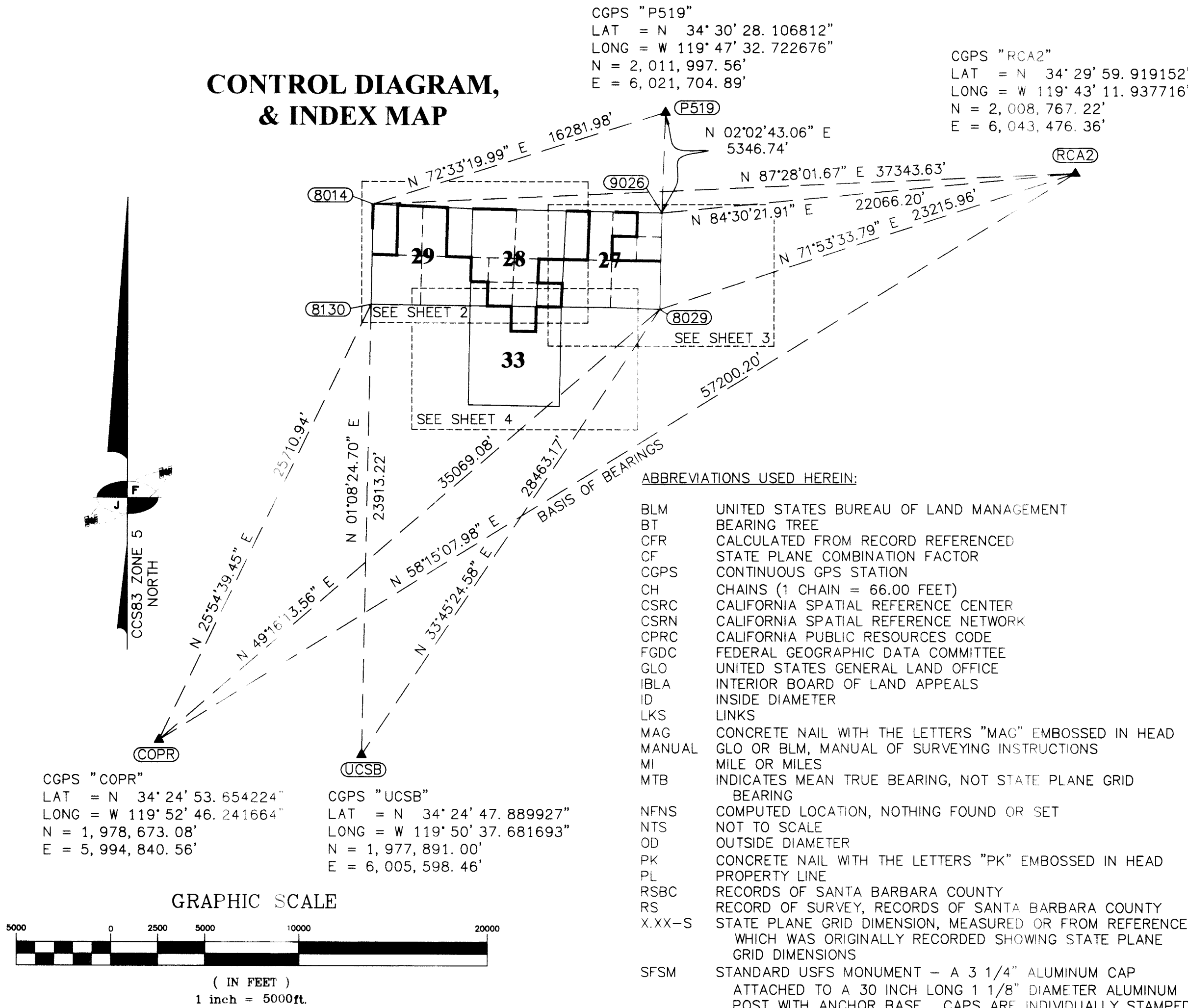
9. () INDICATES RECORD DATA PER REFERENCE NOTED.

10. THE PURPOSE OF THIS SURVEY IS TO LOCATE, MONUMENT, AND POST THE BOUNDARY LINE BETWEEN FEDERAL [USFS] AND PRIVATE OWNERSHIP WITHIN SECTIONS 27, 28, 29, AND 33, TOWNSHIP 5 NORTH, RANGE 28 WEST, SAN BERNARDINO MERIDIAN.

RECORD OF SURVEY OF USFS GAP FIRE CADASTRAL SURVEY

PORTIONS OF SECTIONS
27, 28, 29 & 33, T5N, R28W,
SAN BERNARDINO MERIDIAN

CONTROL DIAGRAM, & INDEX MAP

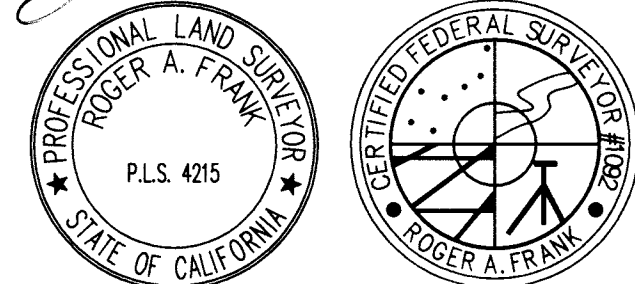


THE HEAVY SOLID LINE INDICATES LINE BETWEEN FEDERAL AND PRIVATE OWNERSHIP. IN ADDITION TO MONUMENTATION AS SHOWN HEREON, THIS LINE WAS POSTED AT 330' INTERVALS AND AT TRAIL, ROAD, DRAINAGE AND RIDGE CROSSINGS AND AT 20'+/- ALONG PROPERTY LINE FROM CORNER MONUMENTS WITH STEEL "U" CHANNEL POST AND 54-9 "PROPERTY BOUNDARY" SIGNS AS A PART OF THIS PROJECT.

SURVEYOR'S STATEMENT

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE PROFESSIONAL LAND SURVEYORS' ACT, AT THE REQUEST OF THE U.S. DEPARTMENT OF AGRICULTURE, FOREST SERVICE, IN SEPTEMBER, 2009.

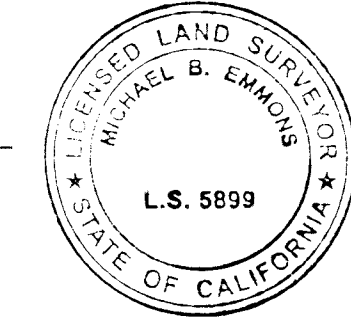
Roger A. Frank 5/16/2011
ROGER A. FRANK CA PLS 4215 CFEDS 1092



COUNTY SURVEYOR'S STATEMENT

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH SECTION 8766 OF THE PROFESSIONAL LAND SURVEYOR'S ACT THIS 18th DAY OF May, 2011.

Michael B. Emmons
MICHAEL B. EMMONS
P.L.S. NO. 5899
COUNTY SURVEYOR



RECORDER'S STATEMENT

FILED THIS 28th DAY OF JUNE, 2011,
AT 1:18 P. M. IN BOOK 177 OF RECORDS OF SURVEYS AT
PAGES 59-76, AT THE REQUEST OF ROGER A. FRANK.

FEE: \$133.00

JOSEPH E. HOLLAND COUNTY CLERK - RECORDER BY: *Theresa* DEPUTY

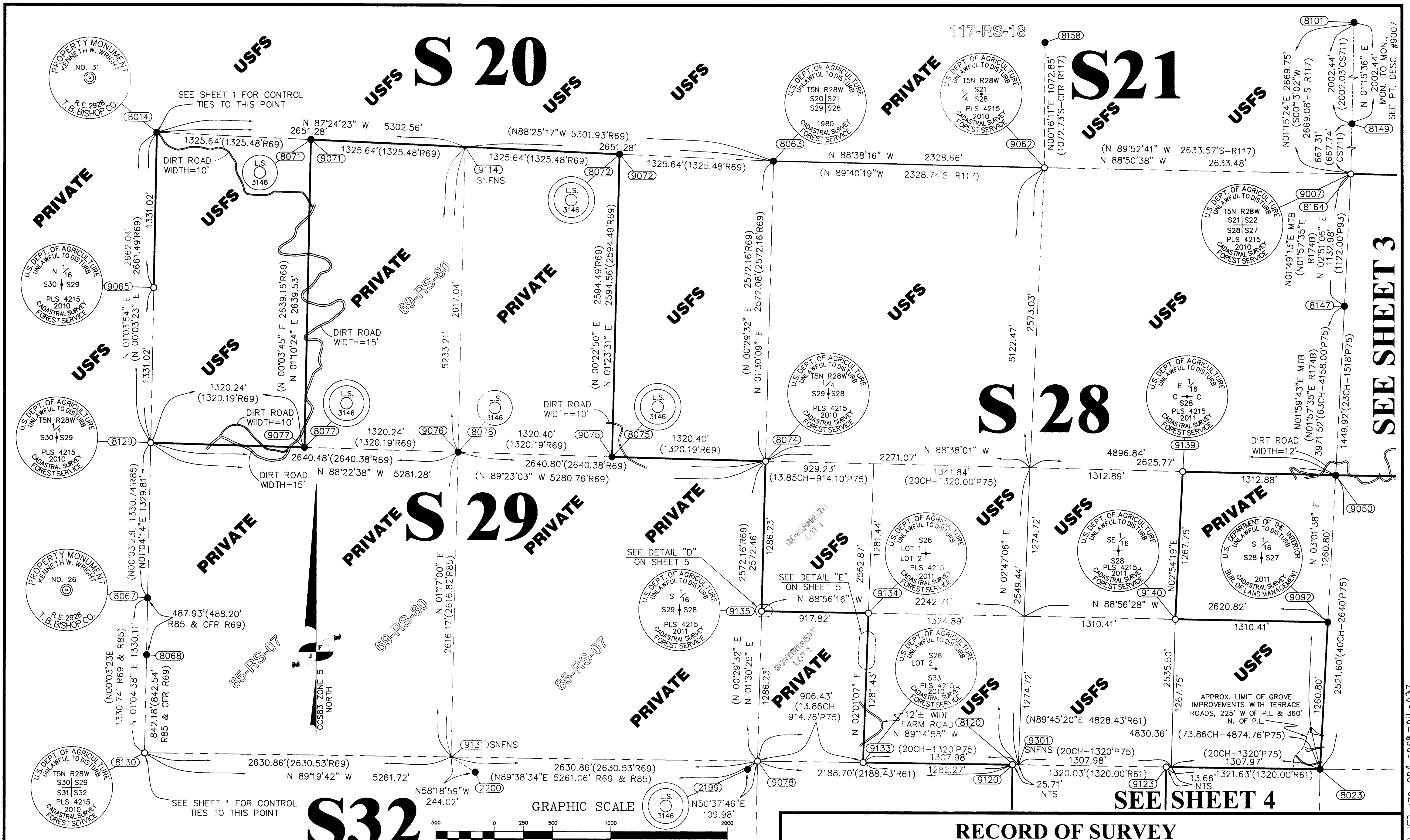
RECORD OF SURVEY

OF THE BOUNDARIES OF THE U.S. FOREST LANDS WITHIN SECTIONS 27, 28, 29, & 33, TOWNSHIP 5 NORTH, RANGE 28 WEST, SAN BERNARDINO MERIDIAN, IN THE COUNTY OF SANTA BARBARA, STATE OF CALIFORNIA

OCTOBER, 2009 - APRIL, 2011
JOHNSON-FRANK & ASSOCIATES, INC.
5150 E. HUNTER AVENUE, ANAHEIM, CA 92807
714-777-8877

SHEET 1 OF 18 SHEETS

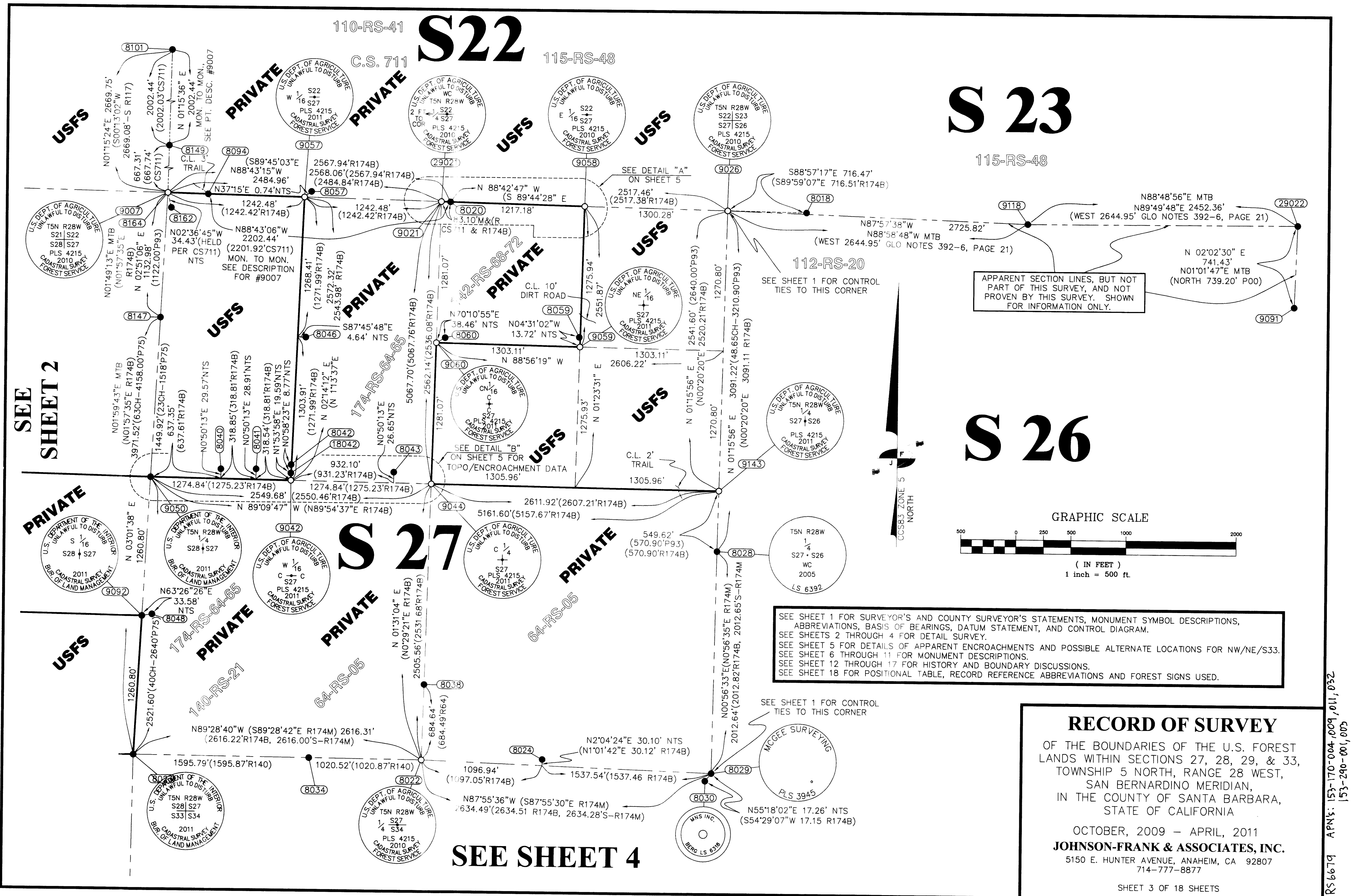
JFA JN 2008025-011



SEE SHEET 1 FOR SURVEYOR'S AND COUNTY SURVEYOR'S STATEMENTS, MONUMENT SYMBOL DESCRIPTIONS, ABBREVIATIONS, BASIS OF BEARINGS, DATUM STATEMENT, AND CONTROL DIAGRAM.
SEE SHEETS 2 THROUGH 4 FOR DETAIL SURVEY.
SEE SHEET 5 FOR DETAILS OF APPARENT ENCROACHMENTS AND POSSIBLE ALTERNATE LOCATIONS FOR NW/NE/S33.
SEE SHEET 6 THROUGH 11 FOR MONUMENT DESCRIPTIONS.
SEE SHEET 12 THROUGH 17 FOR HISTORY AND BOUNDARY DISCUSSIONS.
SEE SHEET 18 FOR POSITIONAL TABLE, RECORD REFERENCE ABBREVIATIONS AND FOREST SIGNS USED.

(IN FEET)
inch = 500 ft.

RECORD OF SURVEY
OF THE BOUNDARIES OF THE U.S. FOREST
LANDS WITHIN SECTIONS 27, 28, 29, & 33,
TOWNSHIP 5 NORTH, RANGE 28 WEST,
SAN BERNARDINO MERIDIAN,
IN THE COUNTY OF SANTA BARBARA,
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SHEET 2 OF 18 SHEETS



SEE
SHEET 2

SEE SHEET 3

PRIVATE

PRIVATE

USFS

USFS

USFS

PRIVATE

USFS

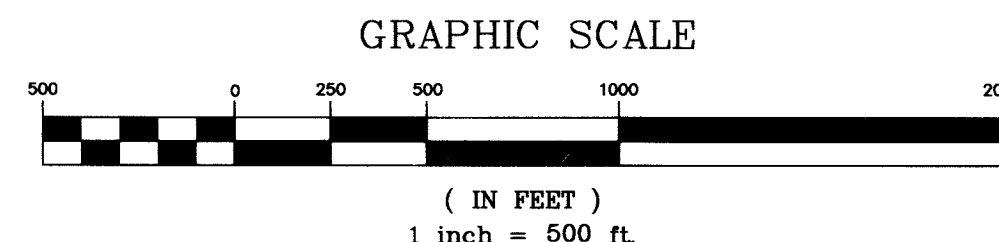
PRIVATE

S 34

S 33

LINE TABLE				
LINE	MEASURED DATA		RECORD OR COMPUTED RECORD PER M12	
	BEARING	LENGTH	BEARING	LENGTH
L1	N12°29'21"W	1444.66'	N13°30'W	1444.1'
L2	N18°40'58"E	1103.80'	N17°42'20"E	1103.78'
L3	N10°13'44"E	698.92'	N09°15'11"E	698.96'
L4	N32°40'16"E	425.08'	N31°41'41"E	425.02'
L5	N60°24'08"E	388.07'	N59°24'27"E	388.03'
L6	N33°00'56"W	198.15'	N34W	198.0'
L7	N14°54'E	371.6'±	N13°55'E	371.58'
L8	N04°59'E	330.0'±	N04'E	330.0'
L9	N89°12'54"W	261.82'	N89°45'E	261.1'

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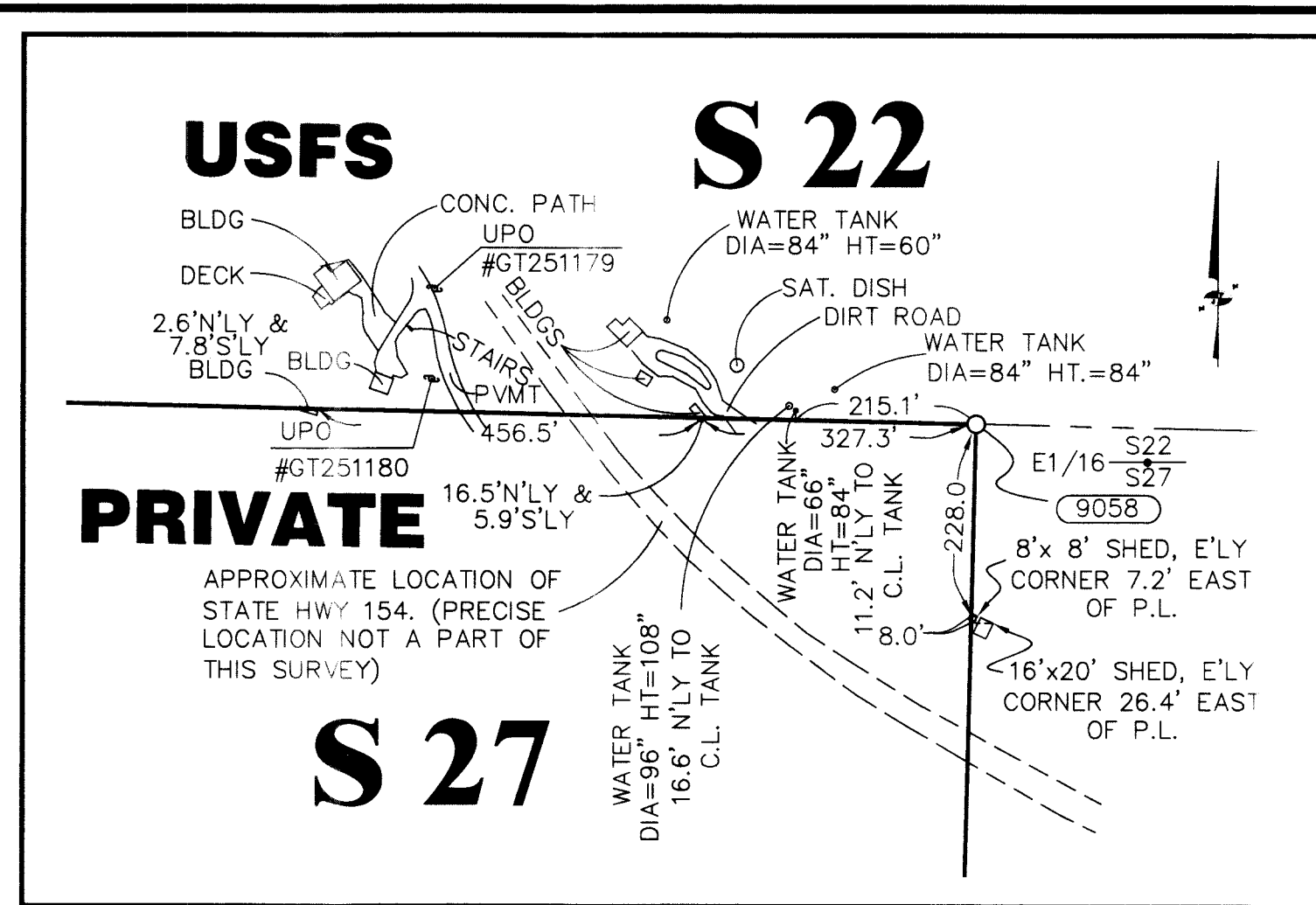
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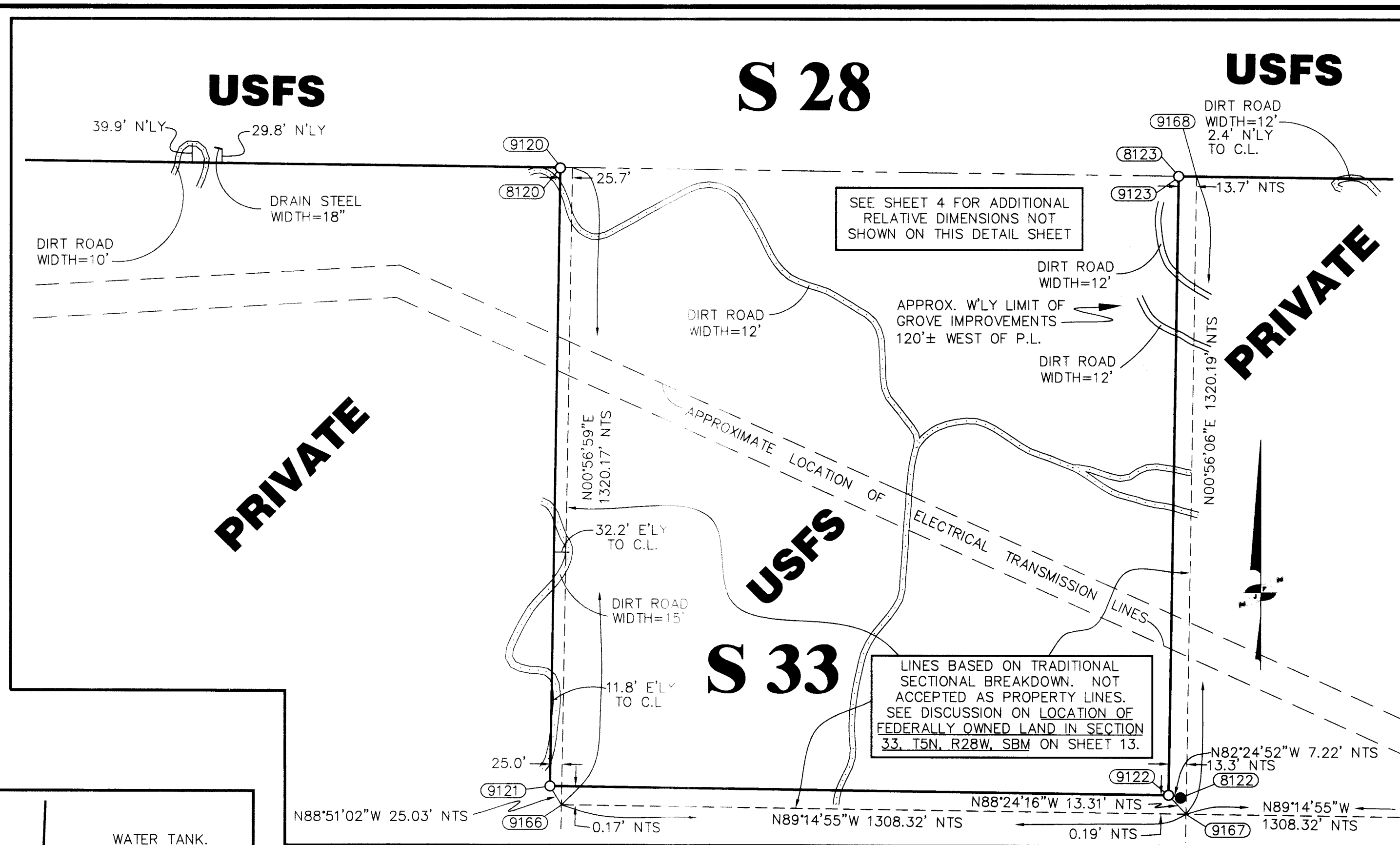
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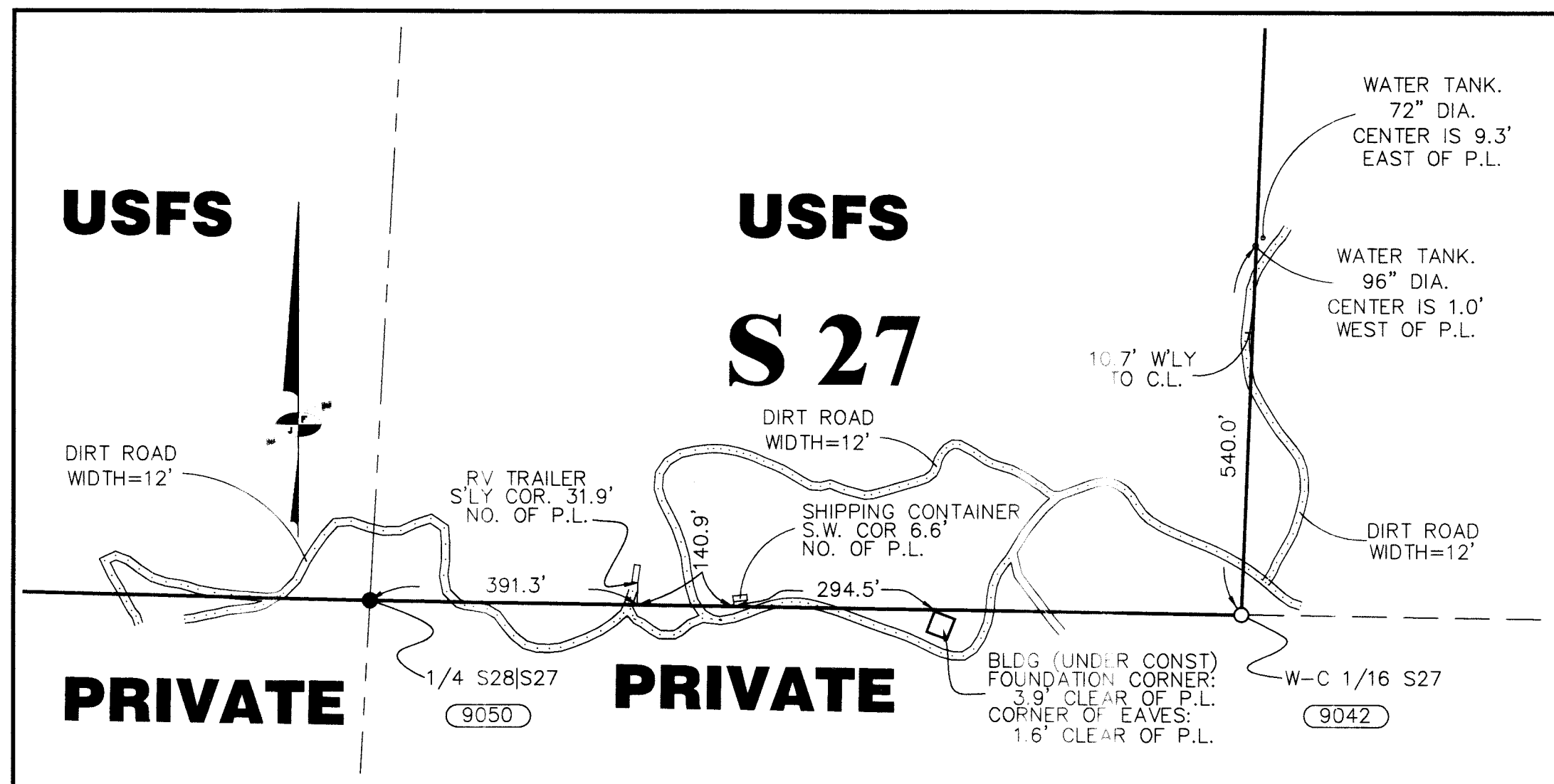
SHEET 4 OF 18 SHEETS



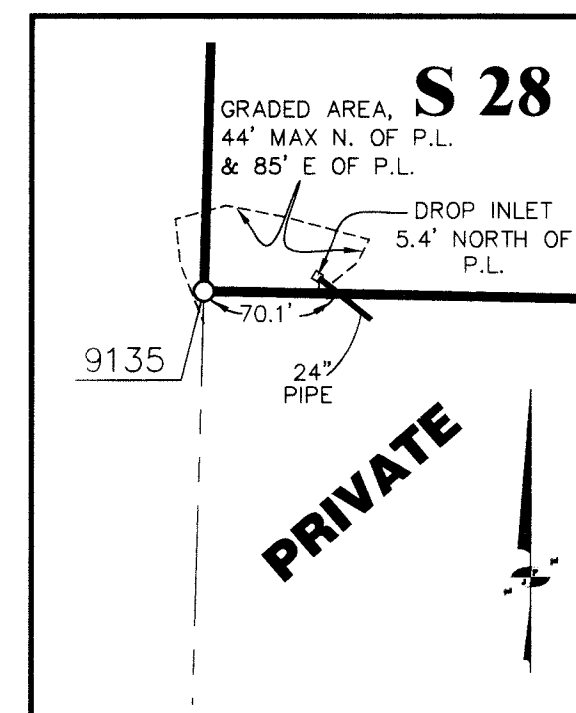
DETAIL "A"
SCALE 1"=200'



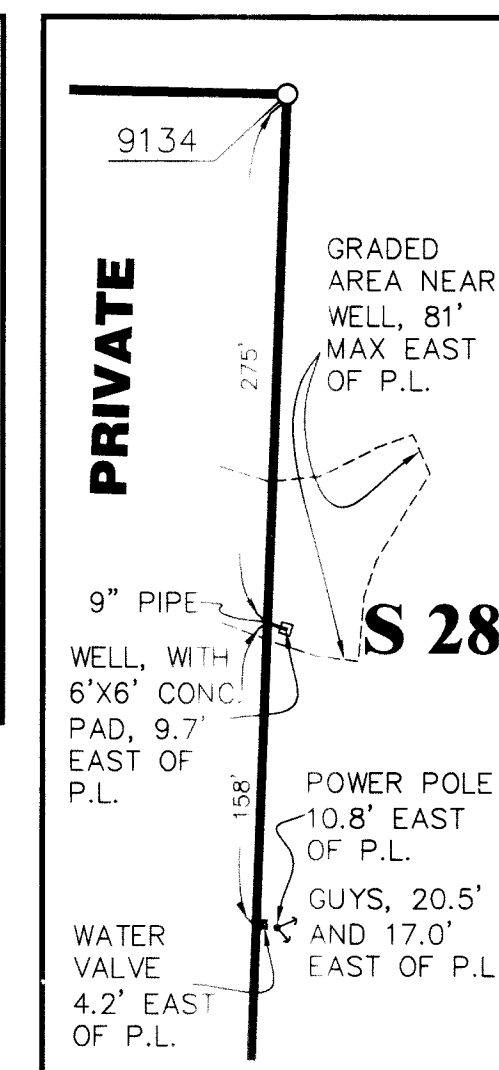
DETAIL "C"
SCALE 1"=200'



DETAIL "B"
SCALE 1"=200'



DETAIL "D"
SCALE 1"=100'



DETAIL "E"
SCALE 1"=100'

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SHEET 5 OF 18 SHEETS

MONUMENT DESCRIPTIONS

408 — ANGLE POINT — EL SUENO RANCH — FF, FLOURNOY 1919

SNFNS AT RECORD LOCATION OF ANGLE POINT PER M12.

2199 — PROJECT CONTROL STATION AND WITNESS TO COR. S29|S28|S32|S33

FOUND A 1/2 INCH INSIDE DIAMETER IRON PIPE WITH A BRASS TACK AND TAG STAMPED "LS 3146", NO REFERENCE, EXTENDING 0.5 FOOT ABOVE THE SURFACE, IN A ROCK RING, 15 INCHES IN DIAMETER. FOUND A STEEL POST 0.5 FOOT EAST OF THE MONUMENT. PHONE CONTACT WAS MADE WITH SIMPSON LAND SURVEYING FOR POSSIBLE TIE TO MISSING SECTION CORNER 110' NORTHEASTERLY. ALL RECORDS FROM THAT ERA ARE NO LONGER AVAILABLE.

TO REACH THE MONUMENT FROM THE INTERSECTION OF CATHEDRAL OAKS ROAD AND PATTERSON AVE., GO NORTH AND WEST ON PATTERSON AVE. APPROXIMATELY 1 MILE TO CAMINO MANADERO. THEN GO NORTH ON CAMINO MANADERO APPROXIMATELY 0.50 MILE TO A GATED ENTRANCE TO CIERVO FARMS. CONTINUE THROUGH GATE AND HEAD NORTH ON A PAVED ROAD APPROXIMATELY 0.40 MILE TO A DIRT ROAD HEADING NORTH THROUGH THE ORCHARDS. GO NORTH ON THE DIRT ROAD FOLLOWING A CONSISTENT CONTOUR APPROXIMATELY A MILE TO A SHARP SWITCH BACK HEADING SOUTH AND THEN WEST UP HILL. FOLLOW THE DIRT ROAD UP ALONG A RIDGE SPINE APPROXIMATELY 0.20 MILES TO A 'Y' INTERSECTION. GO LEFT HEADING SOUTHWESTERLY APPROXIMATELY 0.10 MILES TO AN OLD GATE. PASS THROUGH THE BROKEN GATE HEADING SOUTHERLY APPROXIMATELY 180' TO THE STATION ON THE RIDGE.

2200 — PROJECT CONTROL STATION

SET A 5/8" RE-BAR WITH A PLASTIC CAP STAMPED "JOHNSON-FRANK CONTROL POINT 2200" FOR TEMPORARY PROJECT GPS CONTROL STATION, APPROXIMATELY 100' NORTH OF THE NORTHERLY EDGE OF A PAVED ROAD AND 10 FEET WEST OF THE TOP OF SLOPE.

TO REACH THE MONUMENT FROM THE INTERSECTION OF CATHEDRAL OAKS ROAD AND LA PATERA LANE, IN GOLETA, GO NORTH THROUGH THE GATE TO THE LA PATERA AND SLIPPERY ROCK RANCH ON A PAVED ROAD, PATERA LANE, APPROXIMATELY 1.40 MILES TO A GATE BY A HOUSE ON THE EAST SIDE OF ROAD, THEN CONTINUE ON PAVED ROAD APPROXIMATELY 1 MILE TO A 'T' INTERSECTION WITH A DIRT ROAD HEADING NORTHWESTERLY AND WATER TANKS ON THE RIGHT ON A RIDGE. THE STATION IS APPROXIMATELY 100' NORTHERLY FROM THE NORTH EDGE OF PAVEMENT AND 10' SOUTHWESTERLY OF THE TOP OF A SLOPE.

8014 — CORNER TO SECTIONS 19|20|29|30, T5S, R28W, SBM

FOUND A 2" PIPE WITH A 2 1/2" BRASS CAP STAMPED "PROPERTY MONUMENT T.B. BISHOP CO. KENNETH W. WRIGHT R.E. 2928 NO. 31", PER 25-RS-119, 69-RS-80, AND 115-RS-48, EXTENDING NINE INCHES ABOVE THE SURFACE. CONSTRUCTED A STONE MOUND AROUND THE MONUMENT. ACCEPTED AS THE CORNER TO S19/S20/S30/S29, BY COMMON REPORT. FOUND A STEEL 'T' POST WITNESS THREE FEET NORTH-WEST OF THE MONUMENT WITH A 2X2 BURNED WITNESS POST. FOUND A STEEL 'T' POST WITH AN EIGHT FOOT PVC PIPE WITNESS TWO FEET SOUTH-EAST OF THE MONUMENT. SET A USFS STEEL POST WITH A 54-9 MONUMENT SIGN TWO FEET NORTH-WEST OF THE MONUMENT.

NO TREES IN AREA FOR BEARING TREES.

TO REACH THE MONUMENT FROM POINT #2200, DESCRIBED ABOVE, HEAD NORTH ON RANCH ROADS USING GPS NAVIGATION AND ATV'S TO THE NORTHWEST CORNER OF SECTION 29, JUST OUTSIDE OF SLIPPERY ROCK RANCH. STATION CAN BE ACCESSED BY A ROAD CUT WITHIN 20' OF STATION. CONTACT MADARS OZOLINS FOR ASSISTANCE.

8018 — TIE POINT TO NE CORNER S27 PER R174B

FOUND A 1/2" ID PIPE WITH NO TAG, PER R174B, UP 0.2' ABOVE THE SURFACE IN A ROCK RING. FOUND A STEEL ANGLE IRON POST 8' WEST OF THE POINT. SET A STEEL POST WITH A USFS 54-9 MONUMENT SIGN 1.5' NORTH OF POINT. NOTE — THIS MONUMENT APPEARS TO BE ABOUT 12.5' NORTH OF THE NORTH LINE OF SECTION 26.

TO REACH THE MONUMENT FROM THE INTERSECTION OF STATE ROUTE 154 AND PAINTED CAVE ROAD, GO NORTH UP HILL ON PAINTED CAVE ROAD APPROXIMATELY 1 MILE TO THE STATION. THE STATION IS APPROXIMATELY 30' NORTH OF THE NORTH EDGE OF PAINTED CAVE ROAD AND 20' HIGHER THAN ROAD SURFACE.

MONUMENT DESCRIPTIONS
[CONTINUED]

8020 — WITNESS TO 1/4 S24/S27, T5N, R28W, SBM PER CS711

FOUND A 3/4" IP WITH A TACK AND TAG STAMPED "S.B. CO. R.E. EVANS", DOWN 0.30' AT THE NORTHWESTERLY BASE OF A 2'N X 5'E X 4' HIGH SANDSTONE BOULDER ON THE SOUTHWESTERLY CORNER OF THE BOULDER THERE IS A CHISELED "1/4 S WC +". ACCEPTED IP AS WITNESS CORNER SET BY CS711. BOULDER IS ORIGINAL WITNESS CORNER PER HARRINGTON 1891 GLO SURVEY, BUT HAS BEEN "TIPPED OVER" AT SOME POINT IN THE PAST, PRIOR TO THE 1948 CS711 SURVEY. FOUND A STEEL POST WITH A USFS 54-4 MONUMENT SIGN 3' SOUTHWEST OF PIPE. SET A STEEL POST WITH A USFS 54-9 MONUMENT SIGN AND 54-2 BOUNDARY SIGN 1' NORTH OF THE PIPE. THE CHISELED + ON THE BOULDER IS S13'W, 2.95' FROM THE PIPE.

TO REACH THE MONUMENT FROM THE INTERSECTION OF ROUTE 154 AND NORTH SAN MARCOS ROAD, GO SOUTH ON NORTH SAN MARCOS ROAD APPROXIMATELY 0.2 MILES TO THE ENTRANCE TO THE "SAN MARCOS TROUT CLUB. THEN GO NORTHWEST APPROXIMATELY 0.2 MILES TO A RESIDENCE MAP BOARD. DRIVE TO CABIN #38 AT THE NORTH AND CENTER OF THE COMMUNITY. HEAD NORTH AND THEN WEST ON AN EDISON ACCESS ROAD AROUND CABIN #38 APPROXIMATELY 1000 FEET TO THE END OF THE ROAD. HIKE WEST ON A CUT TRAIL APPROXIMATELY 70 FEET USING GPS NAVIGATION TO THE STATION.

8022 — QUARTER CORNER S27/S34, T5N, R28W, SBM

FOUND A 1/2 INCH I.D. OPEN IRON PIPE WITH A BRASS TAG WIRED TO THE SIDE STAMPED "LS 3945", 0.2 FOOT BELOW THE SURFACE. ACCEPTED AS SAME MONUMENT SHOWN AS 3/4 INCH IRON PIPE ON 112-RS-20, 64-RS-05, AND USFS CORNER CARD V-15, T5N, R28W. ALSO, AS 3/4 INCH IRON PIPE TAGGED "LS 3945" PER 174-RS-64-65 & 174-RS-6-7. REPLACED FOUND MONUMENT AT SAME POINT WITH SFSM. TOP OF NEW MONUMENT IS UP 5 INCHES IN A ROCK MOUND. SET A STEEL POST WITH A 54-9 MONUMENT SIGN 1' SOUTH OF THE CORNER. ALSO, SET A STEEL POST WITH A USFS 54-9 MONUMENT SIGN 0.50' EAST OF THE CORNER. THE MONUMENT IS ON A STEEP, WEST FACING SLOPE.

TO REACH THE MONUMENT FROM THE INTERSECTION OF CATHEDRAL OAKS ROAD AND PATTERSON AVENUE IN GOLETA, GO NORTH ON PATTERSON AVENUE TO LA JOSA AVENUE, THEN GO NORTH ON LA JOSA AVENUE APPROXIMATELY 700 FEET TO THE ENTRANCE TO THE BOSIO RANCH. THEN PROCEED NORTH ON THE MAIN ROAD HEADING THROUGH THE MIDDLE OF THE RANCH APPROXIMATELY 0.50 MILE TO THE BOSIO HOUSE, WITH A HORSE CORRAL ON THE WEST SIDE OF THE ROAD. THEN CONTINUE NORTH ON THE MAIN ROAD USING GPS NAVIGATION APPROXIMATELY 0.8 MILES TO A POINT ON THE WEST SIDE OF THE SAN JOSE CREEK. THEN HIKE UP STREAM APPROXIMATELY 300 FEET AND THEN HIKE EAST, UP HILL, APPROXIMATELY 500 FEET TO THE STATION. CONTACT JUSTIN BOSIO FOR ASSISTANCE.

8023 — SECTION CORNER S28|S27|S33|S34, T5N, R28W, SBM

OCTOBER 29, 2009 — FOUND A 3/4 INCH IRON PIPE WITH A PLASTIC PLUG STAMPED "LS 5020", PER 174-RS-64, 0.3 FOOT BELOW THE SURFACE. FOUND A STEEL 'T' POST WITNESS 1.5 FEET EAST. FOUND A USFS BOUNDARY 54-2A CARSONITE WITNESS POST ONE FOOT NORTHWEST. SET A STEEL POST WITH USFS 54-9 MONUMENT SIGN TWO FEET NORTHWEST.

APRIL 4, 2011 — FOUND A 2 INCH IRON PIPE WITH A 3 1/4 BRASS CAP STAMPED AS SHOWN ON THE MAP SHEET, IN A MOUND OF ROCKS, 18 INCHES AT BASE, 6 INCHES HIGH. FOUND A WITNESS POST WITH USFS 54-9 AND 54-2 SIGNS, 2.0 FEET NORTHWESTERLY. IN FEBRUARY 2011, AS PART OF THE "2011 BLM SURVEY", THIS MONUMENT WAS SET BY BLM TO REPLACE THE 3/4 INCH I.P. "LS 5020" IN THE SAME LOCATION.

TO REACH THE MONUMENT FROM THE INTERSECTION OF CATHEDRAL OAKS ROAD AND PATTERSON AVENUE IN GOLETA, GO NORTH ON PATTERSON AVENUE TO LA JOSA AVENUE, THEN GO NORTH ON LA JOSA AVENUE APPROXIMATELY 700 FEET TO THE ENTRANCE TO THE BOSIO RANCH. THEN GO NORTH ON THE MAIN ROAD HEADING THROUGH THE MIDDLE OF THE RANCH APPROXIMATELY 0.50 MILE TO THE BOSIO HOUSE, WITH A HORSE CORRAL ON THE WEST SIDE OF THE ROAD. THEN CONTINUE NORTH ON RANCH ROADS USING GPS NAVIGATION TO AN AREA AT THE EDGE OF THE ORCHARD. THE STATION IS APPROXIMATELY 250 FEET NORTH OF THE DIRT ROAD. CONTACT JUSTIN BOSIO FOR ASSISTANCE.

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MONUMENT DESCRIPTIONS
[CONTINUED]

8024 — CONTROL POINT PER 64-RS-05

FOUND A 3/4 INCH OPEN PIPE PER R64, R112, R140 & R174B, WITH REMNANTS OF A MELTED PLASTIC PLUG, EXTENDING SIX INCHES ABOVE THE SURFACE. FOUND A USFS POST WITH NO SIGNS ONE FOOT SOUTHEAST OF THE MONUMENT. FOUND AN ANGLE IRON WITNESS POST ONE FOOT EAST OF THE MONUMENT. SET A STEEL POST WITH A USFS 54-9 MONUMENT SIGN ONE FOOT NORTHEAST OF THE MONUMENT. SET A ROCK RING AROUND THE PIPE. THIS MONUMENT IS SHOWN "ON" THE SECTION LINE ON R64, R112, AND R140, ALTHOUGH NONE OF THOSE SURVEYS ESTABLISHED THE SECTION LINE BETWEEN THE QUARTER CORNER AND THE SECTION CORNER TO THE EAST.

THE STATION IS LOCATED APPROXIMATELY 175 FEET SOUTH OF RESIDENCE #2001 ON NORTH SAN MARCOS ROAD. IT IS ON THE EASTERLY SIDE OF A DIRT ROAD HEADING SOUTH FROM NORTH SAN MARCOS ROAD AT RESIDENCE #2001.

8027 — BEARING ROCK/REFERENCE POINT TO CORNER S22|S23|S26|S27

FOUND A '+' SCRIBED INTO THE WESTERLY FACE OF AN 18" X 24" X 18" SANDSTONE EMBEDDED INTO THE HILLSIDE. ACCEPTED AS SAME AS "+" ON BOULDER SHOWN ON R174B. FOUND A MAG NAIL DRIVEN INTO THE CENTER OF THE SCRIBED '+' AND EXTENDING 0.04' FROM SURFACE OF STONE. POSITIONED CENTER OF SCRIBED '+', NOT MAG NAIL. REMOVED THE MAG NAIL, AND SET A NEW MAG NAIL IN A DRILLED HOLE IN THE CENTER OF THE "+" , WITH A 2" ALUMINUM WASHER STAMPED "USDA FOREST SERVICE 2010 PLS 4215 CFDS 1092", FLUSH WITH THE SURFACE OF THE STONE . SET A STEEL POST WITH A USFS 54-9 MONUMENT SIGN ONE FOOT SOUTH OF THE MONUMENT.

TO REACH THE MONUMENT FROM THE INTERSECTION OF STATE ROUTE 154 AND PAINTED CAVE ROAD, NORTH OF GOLETA, GO NORTH, UP HILL ON PAINTED CAVE ROAD APPROXIMATELY 0.7 MILE TO A PULL OUT ON THE WEST SIDE OF THE ROAD, THEN HIKE DOWN HILL HEADING DUE WEST APPROXIMATELY 100 FEET TO THE STATION.

8028 — WITNESS TO QUARTER CORNER S27|S26, T5N, R28W, SBM

FOUND A 2 INCH BRASS DISC STAMPED AS SHOWN ON THE MAP SHEET, SET IN THE TOP OF A SIX FOOT NORTH-SOUTH BY THREE FOOT EAST-WEST BY THREE FOOT HIGH SANDSTONE BOULDER PER R174M, R174B, AND CR 3203. FOUND A "1/4S WC" MARKED IN THE TOP OF SAID BOULDER 0.20' SOUTH OF THE BRASS DISC. STONE AND STONE MARKINGS ARE AS DESCRIBED BY GLO SURVEYOR, JOHN HARRINGTON IN GLO NOTES 128-18, PAGE 3, NOVEMBER 6, 1891. FOUND A STEEL 'T' POST WITNESS 18 INCHES SOUTHWESTERLY. FOUND A USFS 54-5 SIGN ON A FOUR INCH TREE 5.5 FEET WESTERLY. SET A STEEL POST WITH A USFS 54-9 MONUMENT SIGN THREE FEET NORTHERLY.

TO REACH THE MONUMENT FROM THE INTERSECTION OF STATE ROUTE 154 AND NORTH SAN MARCOS ROAD, HEAD SOUTH APPROXIMATELY 800 FEET TO A DIRT ROAD WITH A LOCKED GATE ON THE EAST SIDE OF THE ROAD. THEN HIKE AROUND THE GATE, ALONG AN ABANDONED ROAD, APPROXIMATELY 1000 FEET TO AN OVERLOOK POINT. CONTINUE HIKING, USING GPS NAVIGATION, SOUTHEASTERLY DOWN THE RIDGE LINE ON A CUT TRAIL APPROXIMATELY 1300 FEET TO THE MONUMENT.

8029 — CORNER TO S26|S27|S34|S35, T5N, R28W, SBM

FOUND A 3 1/4 INCH PUNCHED ALUMINUM CAP STAMPED AS SHOWN ON THE MAP SHEET, SET IN THE TOP OF A TWO INCH IRON PIPE, FLUSH WITH THE SURFACE PER 174-RS-64-65 AND 174-RS-6-7. FOUND A GREEN 2"x 2" X 8 FOOT POST 1.5 FEET SOUTHEASTERLY. SET A STEEL POST WITH A USFS 54-9 MONUMENT SIGN ONE FOOT SOUTHWESTERLY.

TO REACH THE MONUMENT FROM THE INTERSECTION OF ROUTE 154 AND SAN MARCOS ROAD, GO SOUTH ON NORTH SAN MARCOS ROAD APPROXIMATELY 1.3 MILES TO A DIRT ROAD HEADING EAST TO RESIDENCE #1930. FOLLOW ADDRESS SIGNS ALONG A DIRT ROAD HEADING NORTHEASTERLY APPROXIMATELY 0.5 MILE TO A DRIVEWAY AT #1930 HEADING NORTH. THE MONUMENT IS LOCATED AT THE BACK CORNER OF THE PROPERTY. CONTACT JOSEPH SAYOVITZ FOR ASSISTANCE.

MONUMENT DESCRIPTIONS
[CONTINUED]

8030 — WITNESS TO CORNER TO S26|S27|S34|S35, T5N, R28W, SBM

FOUND A SPIKE AND ALUMINUM WASHER STAMPED "MNS INC. BERG LS 6318" IN THE TOP OF A TWO INCH IRON PIPE, PER 174-RS-64-65, FLUSH WITH SURFACE. SET A STEEL POST WITH A USFS 54-9 MONUMENT SIGN ONE FOOT WEST OF THE MONUMENT.

TO REACH THE MONUMENT FROM THE INTERSECTION OF ROUTE 154 AND SAN MARCOS ROAD, GO SOUTH ON NORTH SAN MARCOS ROAD APPROXIMATELY 1.3 MILES TO A DIRT ROAD HEADING EAST TO RESIDENCE #1930. FOLLOW ADDRESS SIGNS ALONG A DIRT ROAD HEADING NORTHEASTERLY APPROXIMATELY 0.5 MILE TO A DRIVEWAY AT #1930 HEADING NORTH. THE MONUMENT IS LOCATED AT THE BACK CORNER OF THE PROPERTY. CONTACT JOSEPH SAYOVITZ FOR ASSISTANCE.

8034 — LINE POINT PER R140

FOUND A 1/2 INCH ID IP WITH A MELTED PLASTIC PLUG FLUSH WITH SURFACE. THE PLUG IS ILLEGIBLE. ACCEPTED AS MONUMENT SHOWN AS SET ON SECTION LINE BY R140. MONUMENT IS ON-LINE. FOUND A 'T' POST WITH A MELTED 1" PVC POST 0.30' EAST. SET A STEEL POST WITH A USFS 54-9 MONUMENT SIGN 1.5' NORTH. SET A ROCK RING AROUND THE PIPE.

8038 — LINE POINT PER R64

FOUND A 1/2 INCH ID IRON PIPE WITH A BRASS TACK AND TAG STAMPED "RCE 7704", PER R64, EXTENDING 5" ABOVE THE SURFACE, SET FIRMLY IN SANDSTONE ON A STEEP RIDGE LINE. THE PIPE IS APPROXIMATELY 80 FEET HIGHER THAN SAN JOSE CREEK. POINT COMPUTES TO BE 0.11' EAST OF THE N-S CENTER SECTION LINE.

SET A STEEL POST WITH A USFS 54-9 MONUMENT SIGN 1.5' SOUTH-EASTERLY.

8040 — PL CORNER PER R174B

FOUND A 3/4" RE-BAR WITH A 1 1/2" ALUMINUM CAP STAMPED "MNS INC. BERG LS 6318", PER R174B, FLUSH WITH SURFACE. FOUND A 1" X 4' PVC PIPE 0.50' EAST. SET A STEEL POST WITH A USFS 54-9 MONUMENT SIGN 1' NORTH.

TO REACH THE MONUMENT FROM THE INTERSECTION OF ROUTE 154 AND SAN MARCOS ROAD, GO SOUTH ON NORTH SAN MARCOS ROAD APPROXIMATELY 1 MILE TO A DIRT ROAD HEADING WEST. THEN GO WEST AND DOWN HILL APPROXIMATELY 0.60 MILES TO A BRIDGE CROSSING AT A THE SAN JOSE CREEK. THEN CONTINUE WESTERLY AND UP HILL APPROXIMATELY 0.70 MILES TO A DIRT DRIVEWAY HEADING EAST. THEN CONTINUE EAST ON DIRT ROAD APPROXIMATELY 0.10 MILE TO THE STATION APPROXIMATELY 20' NORTH OF THE NORTH EDGE OF THE DIRT ROAD.

RECORD OF SURVEY

OF THE BOUNDARIES OF THE U.S. FOREST LANDS WITHIN SECTIONS 27, 28, 29, & 33, TOWNSHIP 5 NORTH, RANGE 28 WEST, SAN BERNARDINO MERIDIAN, IN THE COUNTY OF SANTA BARBARA, STATE OF CALIFORNIA

OCTOBER, 2009 — APRIL, 2011

JOHNSON-FRANK & ASSOCIATES, INC.

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714-777-8877

SHEET 6 OF 18 SHEETS

260,110,01,032
APNS:153-110-004,009,011,003
153-240-001,003
RS 6679

MONUMENT DESCRIPTIONS
[CONTINUED]

8041 – PL CORNER PER R174B

FOUND A 3/4" RE-BAR WITH A 1 1/2" ALUMINUM CAP STAMPED "MNS INC. BERG LS 6318" PER R174B, FLUSH WITH SURFACE. FOUND A STEEL CONCRETE FORMING STAKE WITH A 1" X 8' PVC PIPE 0.30' SOUTH-WEST. SET A STEEL POST WITH A USFS 54-9 MONUMENT SIGN 1' WESTERLY.

TO REACH THE MONUMENT FROM THE INTERSECTION OF ROUTE 154 AND SAN MARCOS ROAD, GO SOUTH ON NORTH SAN MARCOS ROAD APPROXIMATELY 1 MILE TO A DIRT ROAD HEADING WEST. THEN GO WEST AND DOWN HILL APPROXIMATELY 0.60 MILES TO A BRIDGE CROSSING AT A THE SAN JOSE CREEK. THEN CONTINUE WESTERLY AND UP HILL APPROXIMATELY 0.70 MILES TO A DIRT DRIVE WAY HEADING EAST. THE STATION IS APPROXIMATELY 60' EAST AND ON THE SOUTH EDGE OF THE DIRT DRIVEWAY.

8042 – PL CORNER PER R174B

FOUND A 3/4" RE-BAR, UP 0.30', WITH NO CAP, IN LIEU OF 3/4" REBAR WITH ALUMINUM CAP "LS6318" PER R174B. MONUMENT FALLS S87°45'48"E 0.31' FROM PL AS DETERMINED BY THIS SURVEY. FOUND STEEL CONCRETE FORMING STAKE WITH A 1" X 8' PVC PIPE 0.20' NORTHWESTERLY. SET A STEEL POST WITH A USFS 54-9 MONUMENT SIGN 1' NORTHWEST.

TO REACH THE MONUMENT FROM THE INTERSECTION OF ROUTE 154 AND SAN MARCOS ROAD, GO SOUTH ON NORTH SAN MARCOS ROAD APPROXIMATELY 1 MILE TO A DIRT ROAD HEADING WEST. THEN GO WEST AND DOWN HILL APPROXIMATELY 0.60 MILES TO A BRIDGE CROSSING AT A THE SAN JOSE CREEK. THEN CONTINUE WESTERLY AND UP HILL APPROXIMATELY 0.60 MILES TO THE STATION APPROXIMATELY 40' SOUTH OF THE SOUTH EDGE OF THE DIRT ROAD.

8043 – PL MONUMENT PER R174B

FOUND A 3/4" RE-BAR WITH A 1 1/2" ALUMINUM CAP STAMPED "MNS INC. BERG LS 6318" PER R174B, 0.5' BELOW THE SURFACE. FOUND A 'T' POST WITH A 1" DIAMETER PVC PIPE 0.50' SOUTHWESTERLY. SET A STEEL POST WITH A USFS 54-9 MONUMENT SIGN 0.5' SOUTH.

TO REACH THE MONUMENT FROM THE INTERSECTION OF ROUTE 154 AND SAN MARCOS ROAD, GO SOUTH ON NORTH SAN MARCOS ROAD APPROXIMATELY 1 MILE TO A DIRT ROAD HEADING WEST. THEN GO WEST AND DOWN HILL APPROXIMATELY 0.60 MILES TO A BRIDGE CROSSING AT A THE SAN JOSE CREEK. THEN CONTINUE WESTERLY AND UP HILL APPROXIMATELY 0.50 MILES TO THE STATION ON THE SOUTH EDGE OF THE DIRT ROAD.

8046 – MONUMENT PER R174B

FOUND A 3/4" ID PIPE WITH A NAIL AND TAG STAMPED "PLS 6318" IN LIEU OF A 3/4" REBAR, WITH CAP LS 6318 PER R174B, 0.1' ABOVE THE SURFACE. MONUMENT FALLS S87°45'48"E, 4.64' FROM EAST LINE W 1/2, NW 1/4, S27, T5N, R28W, SBM. SET A STEEL POST WITH A USFS 54-9 MONUMENT SIGN 1' WEST.

TO REACH THE MONUMENT FROM THE INTERSECTION OF ROUTE 154 AND SAN MARCOS ROAD, GO SOUTH ON NORTH SAN MARCOS ROAD APPROXIMATELY 1 MILE TO A DIRT ROAD HEADING WEST. THEN GO WEST AND DOWN HILL APPROXIMATELY 0.60 MILES TO A BRIDGE CROSSING AT A THE SAN JOSE CREEK. THEN CONTINUE WESTERLY AND UP HILL APPROXIMATELY 0.60 MILES TO A WATER TANK APPROXIMATELY 300' NORTH OF THE DIRT ROAD. THEN, HIKE NORTH PAST THE WATER TANK AND UP A RIDGE LINE APPROXIMATELY 900' USING GPS NAVIGATION TO THE STATION.

SEE SHEET 1 FOR SURVEYOR'S AND COUNTY SURVEYOR'S STATEMENTS, MONUMENT SYMBOL DESCRIPTIONS, ABBREVIATIONS, BASIS OF BEARINGS, DATUM STATEMENT, AND CONTROL DIAGRAM.
SEE SHEETS 2 THROUGH 4 FOR DETAIL SURVEY.
SEE SHEET 5 FOR DETAILS OF APPARENT ENCROACHMENTS AND POSSIBLE ALTERNATE LOCATIONS FOR NW/NE/S33.
SEE SHEET 6 THROUGH 11 FOR MONUMENT DESCRIPTIONS.
SEE SHEET 12 THROUGH 17 FOR HISTORY AND BOUNDARY DISCUSSIONS.
SEE SHEET 18 FOR POSITIONAL TABLE, RECORD REFERENCE ABBREVIATIONS AND FOREST SIGNS USED.

MONUMENT DESCRIPTIONS
[CONTINUED]

8048 – OFFSET PL MONUMENT PER R140

FOUND A 1/2" ID PIPE WITH A MELTED PLASTIC PLUG. THE PLUG IS ILLEGIBLE AND WAS FLUSH WITH SURFACE. ACCEPTED AS REMAINS OF 1/2" I.P. WITH TAG "LS 5020" PER R140. DUG OUT AROUND THE PIPE AND SET A SMALL ROCK RING. FOUND A 'T' POST 1' EAST. SET A STEEL POST WITH A USFS 54-9 MONUMENT SIGN 1' SOUTH-WEST.

TO REACH THE MONUMENT FROM THE INTERSECTION OF CATHEDRAL OAKS AND PATTERSON AVE., GO NORTH ON PATTERSON AVE. TO LA JOSA AVE. THEN GO NORTH ON LA JOSA AVE. APPROXIMATELY 700' TO THE ENTRANCE TO THE BOSIO RANCH. THEN GO NORTH ON THE MAIN ROAD HEADING THROUGH THE MIDDLE OF THE RANCH APPROXIMATELY 0.50 MILE TO THE BOSIO HOUSE, WITH A HORSE CORRAL ON THE WEST SIDE OF ROAD. THEN CONTINUE NORTH ON THE RANCH ROADS USING GPS NAVIGATION TO AN AREA ON THE WEST SIDE OF A STREAM AT ABOUT NORTH LATITUDE 34°28'43.0' & WEST LONGITUDE 119°48'28.4'. THEN HIKE APPROXIMATELY 1600' UPSTREAM, NORTHERLY, TO THE STATION. THE POINT IS ON THE EAST SIDE OF THE STREAM AND APPROXIMATELY 60' HIGHER THAN THE STREAM. CONTACT JUSTIN BOSIO FOR ASSISTANCE.

8052 – POINT ON LINE S33|S34, T5N, R28W, SBM, PER R174M

FOUND A 3/4 INCH IRON PIPE WITH A NAIL AND A 1 1/4 INCH BRASS TAG STAMPED "MCGEE SURVEYING PLS 3945" PER 174-RS-06&07, 0.2 FOOT BELOW THE SURFACE, IN A ROCK RING. FOUND A STEEL 'T' POST WITNESS 0.5 FOOT SOUTH. FOUND A NORTH-SOUTH BARBED WIRE FENCE TWO FEET EASTERLY. SET A STEEL POST WITH A USFS 54-9 MONUMENT SIGN 1.5 FEET EAST OF THE MONUMENT.

TO REACH THE MONUMENT FROM THE INTERSECTION OF CATHEDRAL OAKS ROAD AND PATTERSON AVENUE IN GOLETA, GO NORTH ON PATTERSON AVENUE TO LA JOSA AVENUE, GO NORTH ON LA JOSA AVENUE APPROXIMATELY 700 FEET TO THE ENTRANCE TO THE BOSIO RANCH. GO NORTH ON THE MAIN ROAD HEADING THROUGH THE MIDDLE OF THE RANCH APPROXIMATELY 0.5 MILE TO THE BOSIO HOUSE, WITH A HORSE CORRAL ON THE WEST SIDE OF THE ROAD. THEN CONTINUE EAST ON RANCH ROADS USING GPS NAVIGATION TO A NORTH-SOUTH FENCE LINE ON A RIDGE. THE STATION IS TWO FEET WEST OF THE FENCE. CONTACT JUSTIN BOSIO FOR ASSISTANCE.

8057 – MONUMENT NEAR W 1/16TH, S22/S27, T5N, R28W

FOUND A CHISELED '+' PER 29-RS-113 ON THE NORTH EAST AND NORTH FACING LOWER CORNER OF A 30 INCH X 36 INCH X 36 INCH HIGH SANDSTONE BOULDER, IN THE FLOW LINE OF A DRY STREAM ON A NORTH FACING SLOPE. DID NOT HOLD FOR 1/16TH CORNER – SEE #9057 BELOW.

8059 – PROPERTY CORNER MONUMENT PER R142B

FOUND A 1/2" ID PIPE WITH A PLASTIC PLUG STAMPED "LS 5020" PER R142B, DOWN 1' ON A STEEP SLOPE. FOUND A STEEL 'T' POST WITNESS 0.5' SOUTHERLY. SET A STEEL POST WITH A USFS 54-9 MONUMENT SIGN 1.3' SOUTHEAST.

TO REACH THE MONUMENT FROM THE INTERSECTION OF ROUTE 154 AND NORTH SAN MARCOS ROAD, GO SOUTH ON NORTH SAN MARCOS ROAD APPROXIMATELY 0.20 MILES TO THE ENTRANCE OF THE "SAN MARCOS TROUT CLUB. THEN HEAD NORTHWEST ON THE ENTRANCE ROAD APPROXIMATELY 550' TO AN ASPHALT PULL OUT ON THE SOUTHERLY SIDE OF THE ROAD. THEN HIKE SOUTH DOWN HILL THROUGH HEAVY BRUSH APPROXIMATELY 150' USING GPS NAVIGATION TO THE STATION.

8060 – OFFSET PL CORNER MONUMENT PER R142B

FOUND A 1/2" ID PIPE WITH A BRASS TACK AND TAG STAMPED "LS 5020" PER R142B, UP 0.1' IN A STEEP SLOPE APPROXIMATELY 100' HIGHER THAN SAN JOSE CREEK. FOUND A STEEL 'T' WITNESS POST 0.3' WESTERLY. SET A STEEL POST WITH A USFS 54-9 MONUMENT SIGN AND A 54-2 BOUNDARY SIGN 5' SOUTHEASTERLY. SET STEEL POST WITH USFS 54-9 MONUMENT SIGN.

TO REACH THE MONUMENT FROM THE INTERSECTION OF ROUTE 154 AND NORTH SAN MARCOS ROAD, NORTH OF GOLETA, GO SOUTH ON NORTH SAN MARCOS ROAD APPROXIMATELY 0.2 MILE TO THE ENTRANCE OF THE "SAN MARCOS TROUT CLUB". GO NORTHWEST APPROXIMATELY 0.2 MILE TO A RESIDENTS' MAP BOARD. THEN DRIVE TO CABIN #25 AT THE SOUTHWEST CORNER OF THE COMMUNITY. HIKE FROM THE SOUTHERLY EDGE OF CABIN #25, SOUTH DOWN HILL, APPROXIMATELY 400 FEET, USING GPS NAVIGATION, TO THE MONUMENT.

MONUMENT DESCRIPTIONS
[CONTINUED]

8063 – CORNER TO S20|S21|S29|S28, T5N, R28W, SBM

FOUND A 2 INCH PIPE WITH A 2 1/2 INCH ALUMINUM CAP STAMPED AS SHOWN ON THE MAP SHEET PER 117-RS-18-20, EXTENDING 12 INCHES ABOVE THE SURFACE. ACCEPTED AS PERPETUATION OF THE ORIGINAL SECTION CORNER. FOUND A ROCK WITNESS MOUND TWO FEET WESTERLY. FOUND A STEEL 'T' POST WITNESS WITH A USFS SIGN "ATTENTION". FOUND A STEEL 'T' POST 1.5 FEET NORTHERLY. FOUND AN EIGHT FOOT FENCE POST AT THE FENCE CORNER TWO FEET NORTHEASTERLY. FOUND THE ORIGINAL CORNER STONE LYING ON ITS FACE ONE FOOT NORTHEASTERLY. SET A STEEL POST AND WITH A USFS 54-9 MONUMENT SIGN 1.5 FEET SOUTHWESTERLY. REBUILT STONE MOUNDS.

TO REACH THE MONUMENT FROM THE INTERSECTION OF ROUTE 154 AND CAMINO CIELO, NORTH OF GOLETA, GO WEST APPROXIMATELY 1.25 MILES TO AN ENTRANCE TO A RANCH. THEN HEAD EAST APPROXIMATELY 0.4 MILES TO A SERVICE PHONE. AFTER GETTING PERMISSION TO ENTER THE RANCH, USE RANCH ROADS AND GPS TO THE SOUTHWEST CORNER OF THE RANCH. HIKE APPROXIMATELY 400 FEET SOUTHWEST TO THE STATION.

8067 – ANGLE POINT IN SECTION LINE, S30|S29, T5N, R28W

FOUND A TWO INCH IRON PIPE WITH A 2 1/2 INCH BRASS CAP STAMPED, "PROPERTY MONUMENT T.B. BISHOP CO. KENNETH W. WRIGHT R.E. 2928 NO. 26", PER 25-RS-119, 69-RS-80 AND 85-RS-07, EXTENDING 14 INCHES ABOVE THE SURFACE, IN A 12 INCH HIGH X 20 INCH DIAMETER ROCK MOUND. ACCEPTED AS AN ANGLE POINT IN THE SECTION LINE, AS THIS MONUMENT WAS SET BY 25-RS-119 TWENTY SIX YEARS PRIOR TO THE SECTION CORNER TO THE SOUTH [#8130]. FOUND A STEEL 'T' POST WITNESS ONE FOOT NORTH OF THE MONUMENT. SET A USFS STEEL POST WITH A 54-9 MONUMENT SIGN TWO FEET WEST OF THE MONUMENT.

TO REACH THE MONUMENT FROM POINT 2200, DESCRIBED ABOVE, GO NORTHWESTERLY ON A DIRT ROAD APPROXIMATELY 0.75 MILES TO A SWITCHBACK IN THE DIRT ROAD WITH A LARGE PARKING AREA. THE STATION IS APPROXIMATELY 70 FEET WEST OF THE SWITCHBACK.

8068 – POINT ON RIDGE, SHOWN ON LINE BY 25-RS-119

FOUND A 40D NAIL, NO TAG, IN A SANDSTONE OUTCROPPING 14 INCHES ABOVE THE GENERAL SURFACE IN THE AREA, IN LIEU OF A NAIL & TAG "LS 3146" IN SANDSTONE, PER 25-RS-119. POINT IS ON A RIDGE LINE. POINT IS 0.05' EAST OF SECTION LINE BETWEEN POINTS 8130 AND 8067. FOUND A SCATTERED ROCK PILE NORTH OF THE NAIL AND RESTACKED SAME. SET A USFS STEEL POST WITH A 54-9 SURVEY MONUMENT SIGN 3.5' WEST OF THE NAIL.

TO REACH THE MONUMENT FROM POINT 2200, DESCRIBED ABOVE, GO NORTHWESTERLY ON A DIRT ROAD APPROXIMATELY 0.75 MILES TO A SWITCHBACK IN THE DIRT ROAD WITH A LARGE PARKING AREA. THE STATION IS APPROXIMATELY 480 FEET SOUTH AND ON THE OTHER SIDE OF A GULLY FROM THE SWITCHBACK.

8071 – W 1/16TH, S20/S29, T5S, R28W, SBM

FOUND A TACK AND TAG STAMPED "LS 3146" [#8071] IN A THREE FOOT NORTH-SOUTH X 5 FOOT EAST-WEST X 2 FOOT HIGH SANDSTONE BOULDER ON THE SOUTHERLY SIDE OF AN 8 FOOT X 8 FOOT X 8 FOOT BOULDER, IN LIEU OF 1/2 INCH IRON PIPE & TAG "LS 3146" PER 69-RS-80. MONUMENT IS S43°00'W, 0.08' FROM THE CORNER DETERMINED BY THIS SURVEY [#9071]. DID NOT REPLACE. FOUND A STEEL 'T' POST 2 FEET SOUTH WITH A 2 INCH X 8 FOOT HIGH PVC PIPE WITNESS. SET A STEEL POST WITH A 54-9 SURVEY MONUMENT SIGN 3 FOOT WESTERLY OF THE MONUMENT.

TO REACH THE MONUMENT FROM POINT 2200, DESCRIBED ABOVE, HEAD NORTH ON RANCH ROADS USING GPS NAVIGATION AND ATV'S TO THE NORTHEAST CORNER OF SLIPPERY ROCK RANCH. THE STATION CAN BE ACCESSED BY A ROAD CUT WITHIN 40 FEET OF THE STATION. CONTACT MADARS OZOLINS FOR ASSISTANCE.

MONUMENT DESCRIPTIONS
[CONTINUED]

8072 – E 1/16TH, S20/S29, T5S, R28W, SBM

FOUND A 1/2 INCH IRON PIPE WITH A BRASS TACK AND TAG STAMPED "LS 3146", PER 69-RS-80, 0.1 FOOT BELOW THE SURFACE IN A 12 INCH DIAMETER ROCK RING. MONUMENT IS S53°29'W, 0.10' FROM THE CORNER DETERMINED BY THIS SURVEY [#9072]. DID NOT REPLACE. FOUND A STEEL 'T' POST WITH A 2 INCH X 8 FOOT PVC PIPE WITNESS ONE FOOT EASTERLY OF MONUMENT. SET A STEEL POST WITH A USFS 54-9 SURVEY MONUMENT SIGN TWO FEET NORTH-WEST OF THE MONUMENT.

TO REACH THE MONUMENT FROM POINT 2200, DESCRIBED ABOVE, HEAD NORTH ON RANCH ROADS USING GPS NAVIGATION AND ATV'S TO THE NORTHWEST CORNER OF SLIPPERY ROCK RANCH. STATION CAN BE ACCESSED BY A ROAD CUT DIRECTLY TO THE STATION. CONTACT MADARS OZOLINS FOR ASSISTANCE.

8074 – QUARTER CORNER S29|S28, T5N, R28W, SBM

FOUND A 1/2 IRON PIPE WITH A TACK AND TAG STAMPED "LS 3146", PER 69-RS-80, EXTENDING 0.2 FOOT ABOVE THE SURFACE. REPLACED WITH SFSM STAMPED AS SHOWN ON THE MAP SHEET, IN SAME LOCATION, FLUSH WITH SURFACE IN A ROCK MOUND/RING. FOUND A STEEL 'T' POST WITH A 2 INCH X 8 FOOT PVC PIPE WITNESS 0.5 FOOT WEST. SET A STEEL POST WITH A USFS 54-9 SURVEY MONUMENT SIGN 2 FEET NORTH-EAST OF THE MONUMENT.

TO REACH THE MONUMENT FROM POINT 2200, DESCRIBED ABOVE, HEAD NORTH AND EAST ON RANCH ROADS USING GPS NAVIGATION AND ATV'S ON THE NORTH SIDE OF SLIPPERY ROCK RANCH. THE STATION IS APPROXIMATELY 400 FEET EAST OF A DIRT ROAD NEAR THE HISTORIC SLIPPERY ROCK TRAIL. CONTACT MADARS OZOLINS FOR ASSISTANCE.

NO TREES IN AREA FOR BEARING TREES.

8075 – CENTER E 1/16TH, S29, T5S, R28W, SBM

FOUND A 1/2 INCH IRON PIPE WITH A BRASS TACK AND TAG STAMPED "LS 3146", PER 69-RS-80, EXTENDING 0.1 FOOT ABOVE THE SURFACE. BUILT A ROCK RING AROUND MONUMENT. MONUMENT IS S44°26'W, 0.34' FROM THE CORNER LOCATION DETERMINED BY THIS SURVEY [#9075]. DID NOT REPLACE. FOUND A STEEL 'T' POST 0.2 FOOT EAST OF THE POINT WITH A 2 INCH X 8 FOOT PVC PIPE WITNESS. SET A STEEL POST WITH USFS 54-9 SURVEY MONUMENT SIGN 2 FEET NORTHEAST OF THE MONUMENT.

TO REACH THE MONUMENT FROM POINT 2200, DESCRIBED ABOVE, HEAD NORTH AND EAST ON RANCH ROADS USING GPS NAVIGATION AND ATV'S ON THE NORTH SIDE OF SLIPPERY ROCK RANCH. THE STATION IS APPROXIMATELY 150 FEET WEST OF A DIRT ROAD NEAR THE HISTORIC SLIPPERY ROCK TRAIL. CONTACT MADARS OZOLINS FOR ASSISTANCE.

RECORD OF SURVEY

OF THE BOUNDARIES OF THE U.S. FOREST LANDS WITHIN SECTIONS 27, 28, 29, & 33, TOWNSHIP 5 NORTH, RANGE 28 WEST, SAN BERNARDINO MERIDIAN, IN THE COUNTY OF SANTA BARBARA, STATE OF CALIFORNIA

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SHEET 7 OF 18 SHEETS

MONUMENT DESCRIPTIONS
[CONTINUED]

8076 — CENTER QUARTER, S29, T5S, R28W, SBM

FOUND A LEAD, TACK AND TAG STAMPED "LS 3146", PER 69-RS-80, SET IN A LARGE SANDSTONE BOULDER, 6 FOOT X 3 FOOT X 4 FOOT HIGH. MONUMENT IS N38°13'E, 0.24' FROM THE CENTER QUARTER LOCATION DETERMINED BY THIS SURVEY [#9076]. DID NOT REPLACE. FOUND A STEEL 'T' POST WITNESS WITH AN 8 FOOT PVC PIPE 1.3 FEET NORTHWEST OF THE MONUMENT. SET A STEEL POST WITH USFS 54-9 SURVEY MONUMENT SIGN TWO FEET SOUTH OF MONUMENT.

TO REACH THE MONUMENT FROM POINT 2200, DESCRIBED ABOVE, FOLLOW THE ASPHALT ROAD NORTHERLY ALONG THE CREEK, APPROXIMATELY 1.2 MILES TO THE TOP OF THE HILL AND THE STATION IN A LARGE BOULDER APPROXIMATELY 50 FEET SOUTH OF THE SOUTH EDGE OF THE ROAD.

8077 — CENTER W 1/16TH, S29, T5S, R28W, SBM

FOUND A 1/2 INCH IRON PIPE WITH A TACK AND TAG STAMPED "LS 3146", PER 85-RS-07, EXTENDING 0.1 FOOT ABOVE THE SURFACE IN A SMALL ROCK MOUND. MONUMENT IS N45°08'W, 0.07' FROM THE CORNER DETERMINED BY THIS SURVEY [#9077]. DID NOT REPLACE. FOUND A STEEL 'T' POST WITNESS 0.5 FOOT SOUTH OF THE MONUMENT. FOUND A STEEL 'T' POST WITNESS WITH AN 8 FOOT PVC PIPE ONE FOOT NORTH OF THE MONUMENT. SET A USFS STEEL POST WITH A 54-9 MONUMENT SIGN TWO FEET NORTHWEST OF THE MONUMENT.

TO REACH THE MONUMENT FROM POINT 2200, DESCRIBED ABOVE, GO NORTHWESTERLY AND NORTHERLY AND THEN EASTERLY ALONG THE APPARENT MAIN ROAD ON THE WEST SIDE OF THE SLIPPERY ROCK RANCH, APPROXIMATELY 1.3 MILES TO A 'Y' JUNCTION ABOVE A WATER WELL AREA. FROM 'Y' JUNCTION HIKE ABOUT 130 FEET EAST TO THE STATION.

8094 — LINE POINT ON RIDGE PER CS711

FOUND A 3/4 INCH IRON PIPE WITH A TACK AND TAG STAMPED, "S.B. CO. SURV. R.E. EVANS", PER CS711 AND 29-RS-113. MONUMENT IS BURIED 0.3 FOOT BELOW THE SURFACE AND BENT NORTHERLY. LOCATED THE PIPE AT THE ANGLE OF THE BEND. SET A STEEL POST WITH A USFS 54-9 MONUMENT SIGN ONE FOOT NORTHEASTERLY. RE-BURIED THE PIPE TO THE POINT OF THE BEND. MONUMENT COMPUTES TO BE S1°16'45"W, 0.10' FROM SECTION LINE.

FROM THE INTERSECTION OF ROUTE 154 AND CAMINO CIELO, HEAD WEST ON CAMINO CIELO APPROXIMATELY 0.6 MILE TO EL CAMINO DE ROMAIDO, RUNNING SOUTHEASTERLY. HEAD SOUTHEAST APPROXIMATELY 0.75 MILE TO A CLEARING AND THE BEGINNING OF A FIRE BREAK. THEN HIKE SOUTHEASTERLY APPROXIMATELY 1300 FEET ON THE FIRE BREAK TO A 'T' INTERSECTION IN THE FIRE BREAK. THEN HIKE EAST ON THE FIREBREAK ABOUT 300 FEET TO THE END OF THE FIREBREAK. THEN HIKE SOUTHEASTERLY ON A CUT TRAIL ALONG THE RIDGE LINE APPROXIMATELY 700 FEET, USING GPS NAVIGATION, TO THE STATION ON THE NORTH SIDE OF THE TRAIL.

8101 — QTR CORNER S21|S22, T5N, R28W, SBM, PER CS711

FOUND A 1 1/4 INCH IRON PIPE WITH A TACK AND TAG STAMPED "S.B. CO. SURV. R.E. EVANS", PER CS711 & 117-RS-18-20, EXTENDING 4 INCHES ABOVE THE SURFACE. SET A STEEL POST WITH A USFS 54-9 MONUMENT SIGN 1.5' NORTHERLY.

FROM THE INTERSECTION OF ROUTE 154 AND CAMINO CIELO, HEAD WEST ON CAMINO CIELO APPROXIMATELY 0.6 MILE TO EL CAMINO DE ROMAIDO, RUNNING SOUTHEASTERLY. HEAD SOUTHEASTERLY APPROXIMATELY 0.4 MILE TO A 'T' INTERSECTION. HEAD EAST ON MAY ROAD APPROXIMATELY 0.3 MILE TO A GREY BARN ON THE NORTH SIDE OF THE ROAD. HIKE NORTH DOWN HILL, BEHIND THE GREY BARN, APPROXIMATELY 150 FEET, USING GPS NAVIGATION, TO THE MONUMENT.

SEE SHEET 1 FOR SURVEYOR'S AND COUNTY SURVEYOR'S STATEMENTS, MONUMENT SYMBOL DESCRIPTIONS, ABBREVIATIONS, BASIS OF BEARINGS, DATUM STATEMENT, AND CONTROL DIAGRAM. SEE SHEETS 2 THROUGH 4 FOR DETAIL SURVEY. SEE SHEET 5 FOR DETAILS OF APPARENT ENCROACHMENTS AND POSSIBLE ALTERNATE LOCATIONS FOR NW/NE/S33. SEE SHEET 6 THROUGH 11 FOR MONUMENT DESCRIPTIONS. SEE SHEET 12 THROUGH 17 FOR HISTORY AND BOUNDARY DISCUSSIONS. SEE SHEET 18 FOR POSITIONAL TABLE, RECORD REFERENCE ABBREVIATIONS AND FOREST SIGNS USED.

MONUMENT DESCRIPTIONS
[CONTINUED]

8117 — POINT ON SECTION LINE S32|S33, T5N, R28W, SBM

FOUND A 1/2 INCH IRON PIPE WITH A TACK AND TAG STAMPED "RCE 4653", PER 61-RS-36, EXTENDING FOUR INCHES ABOVE THE SURFACE, 6 INCHES EAST OF A 6 INCH BY 8 INCH WOOD FENCE POST ON THE EAST SIDE OF A NORTH-SOUTH BARBED WIRE FENCE. THIS MONUMENT APPEARS TO HAVE BEEN SET BY 61-RS-36 IN 1960, ON A LINE LABELED "AVERAGE FENCE LINE" ON 27-RS-41 IN 1944. THIS LINE, AS SHOWN ON 61-RS-36 APPEARS TO HAVE BEEN ACCEPTED AS THE SECTION LINE, ALTHOUGH ANY CONNECTION TO THE ORIGINAL GLO MONUMENTATION IN THIS AREA WOULD BE IMPOSSIBLE TO PROVE AT THIS TIME.

TO REACH THE MONUMENT FROM THE INTERSECTION OF CATHEDRAL OAKS ROAD AND PATTERSON AVENUE IN GOLETA, GO NORTH AND WEST ON PATTERSON AVE. APPROXIMATELY ONE MILE TO CAMINO MANADERO. GO NORTH ON CAMINO MANADERO APPROXIMATELY 0.5 MILE TO A GATED ENTRANCE TO CIERVO FARMS. HEAD NORTH ON A PAVED ROAD APPROXIMATELY 0.5 MILES TO A DIRT ROAD THAT HEADS TO THE TOP OF A SMALL HILL TOP. GO APPROXIMATELY 300 FEET UP THE DIRT ROAD. THE STATION IS APPROXIMATELY 100 FEET EAST OF THAT POINT ALONG A NORTH-SOUTH FENCE LINE.

8120 — PROPERTY CORNER MONUMENT PER 61-RS-36

SEE DESCRIPTION FOR #9120 BELOW FOR DESCRIPTION AND TO REACH FOR THIS MONUMENT.

8122 — PROPERTY CORNER MONUMENT PER 61-RS-36

SEE DESCRIPTION FOR #9122 BELOW FOR DESCRIPTION AND TO REACH FOR THIS MONUMENT.

8123 — PROPERTY CORNER MONUMENT PER 61-RS-36

SEE DESCRIPTION FOR #9123 BELOW FOR DESCRIPTION AND TO REACH FOR THIS MONUMENT.

8128 — POSSIBLE POINT ON/NEAR SOUTH LINE OF SECTION 34 PER R61

FOUND A 1 1/2" I.P. WITH AN UNMARKED THREADED PIPE CAP, NO REFERENCE. PIPE WAS LEANING HEAVILY, WESTERLY, DOWN HILL. DUG TO BOTTOM AND PLUMBED TO VERTICAL. THIS MONUMENT MAY BE THE SAME MONUMENT SHOWN AS "FD. 1 1/2" I.P. OPEN" ON R61. ALSO, S62°56'E, 0.86', FOUND A 3/4" I.P. NO TAG, [#8173] NO REFERENCE. THIS PIPE WAS ALSO LEANING HEAVILY, WESTERLY DOWNHILL. DUG TO BOTTOM AND PLUMBED TO VERTICAL. BOTH OF THESE PIPES ARE AT THE EDGE OF A GROVE, AND MAY HAVE BEEN MOVED BY FARM OPERATIONS.

TO REACH FROM CATHEDRAL OAKS DRIVE & NORTH PATTERSON AVENUE IN GOLETA, FOLLOW PATTERSON NORTH & NORTHWEST 0.3 MILES TO THE ENTRANCE TO BOSIO FARMS. TURN RIGHT AND FOLLOW THE ROAD TO BOSIO FARMS FOR 0.6 MILES TO THE BEGINNING OF A GROVE ON THE RIGHT SIDE OF THE ROAD. HIKE EASTERLY ALONG THE SOUTH SIDE OF THE GROVE, ABOUT 90 FEET TO THE MONUMENT.

8129 — QUARTER CORNER S30|S29, T5N, R28W, SBM

FOUND A 1/2 INCH INSIDE DIAMETER IRON PIPE WITH A BRASS TACK AND TAG STAMPED "LS 3146" PER 85-RS-07 EXTENDING 0.6 FOOT ABOVE THE SURFACE. REPLACED SAME AT SAME POINT WITH SFSM, STAMPED AS SHOWN ON THE MAP SHEET, EXTENDING 6 INCHES ABOVE THE SURFACE IN A ROCK MOUND. ALSO, FOUND A STEEL 'T' POST WITNESS 0.3 FOOT SOUTH OF THE MONUMENT. SET A STEEL POST WITH A USFS 54-9 LAND SURVEY MONUMENT SIGN TWO FEET NORTH OF THE MONUMENT. RECONSTRUCTED A ROCK MOUND, 18 INCHES DIAMETER X 6 INCHES HIGH, AROUND THE MONUMENT.

TO REACH THE MONUMENT FROM POINT 2200, DESCRIBED ABOVE, GO NORTHWESTERLY ON A DIRT ROAD, THE APPARENT MAIN ROAD ON THE WEST SIDE OF SLIPPERY ROCK RANCH, APPROXIMATELY ONE MILE TO A TANGENT PIECE OF ROAD IN AN OAK TREE AREA. HIKE WEST APPROXIMATELY 325 FEET TO THE STATION.

MONUMENT DESCRIPTIONS
[CONTINUED]

8130 — SECTION CORNER S30|S29|S31|S32, T5N, R28W, SBM

FOUND A 1/2 INCH INSIDE DIAMETER IRON PIPE WITH A BRASS TACK AND TAG STAMPED "LS 3146" PER 85-RS-07, EXTENDING 3 INCHES ABOVE THE SURFACE, IN AN 18" DIAMETER ROCK RING. REPLACED AT SAME LOCATION WITH SFSM, STAMPED AS SHOWN ON THE MAP SHEET, UP 4 INCHES FROM SURFACE, IN A ROCK MOUND. FOUND A STEEL 'T' POST WITH AN EIGHT FOOT HIGH 2.5 INCH DIAMETER PVC PIPE 0.5 FOOT NORTH OF THE MONUMENT AND ANOTHER STEEL 'T' POST 0.3 FOOT SOUTH OF THE MONUMENT. SET A STEEL POST WITH A USFS 54-9 LAND SURVEY MONUMENT SIGN, TWO FEET NORTHWEST OF THE MONUMENT.

TO REACH THE MONUMENT FROM POINT 2200, DESCRIBED ABOVE, GO NORTHWESTERLY ON A DIRT ROAD APPROXIMATELY 0.5 MILES TO A DIRT ROAD HEADING SOUTH ALONG THE CONTOUR LINE TOWARDS A TRANSMISSION LINE. GO SOUTHERLY APPROXIMATELY 0.5 MILES ALONG THE CONTOUR DIRT ROAD TO AN EXTREME SWITCHBACK IN THE ROAD. HIKE DOWN HILL, AT AN AZIMUTH OF 160 DEGREES, APPROXIMATELY 255 FEET TO THE STATION.

8141 — APPARENT ANGLE POINT IN RANCH DEL CIERVO PER 61-RS-36

FOUND A 1/2 INCH I.D. IRON PIPE WITH A COPPER NAIL IN A WOOD PLUG. ACCEPTED AS THE SAME MONUMENT SHOWN AS 3/4 INCH IRON PIPE WITH NAIL IN CENTER ON 32-PM-56-59 AND 88-RS-54. ALSO PROBABLY MONUMENT SHOWN AS SET BY 61-RS-36, NOW WITH TAG MISSING. MONUMENT EXTENDS TWO INCHES ABOVE THE SURFACE, AT THE CORNER OF AN EAST BY NORTH FENCE LINE. FOUND A STEEL 'T' POST WITNESS ONE FOOT NORTH OF THE MONUMENT. ACCEPTED AS POINT ON EAST-WEST CENTER SECTION LINE.

TO REACH THE MONUMENT FROM THE INTERSECTION OF CATHEDRAL OAKS ROAD AND PATTERSON AVENUE IN GOLETA, GO NORTH AND WEST ON PATTERSON AVENUE APPROXIMATELY ONE MILE TO CAMINO MANADERO. GO NORTH ON CAMINO MANADERO APPROXIMATELY 0.5 MILE TO GATE ENTRANCE TO CIERVO FARMS. HEAD NORTH ON A PAVED ROAD APPROXIMATELY 0.5 MILE TO A DIRT ROAD HEADING TO A SMALL HILL TOP. THEN FROM THAT SPOT HEAD EAST APPROXIMATELY 80 FEET TO AN EAST-NORTH FENCE CORNER AND THE STATION.

8147 — WITNESS CORNER S28|S27 NORWAY 1872 & HARRINGTON 1891

NOVEMBER 17, 2009 — FOUND A WELL WEATHERED MAN-MADE CHISELED OR SCRIBED '+ ' ON TOP OF AN APPROXIMATELY 12 FOOT X 10 FOOT X 8 FOOT HIGH SANDSTONE BOULDER, MATCHING THE NOMINAL SIZE AND TYPE OF ROCK DESCRIBED IN HARRINGTON'S 1891 GLO NOTES. CAN FIND NO TRACE OF A "WC" AS WAS DESCRIBED IN GLO DEPUTY SURVEYOR JOHN K. HARRINGTON'S 1891 NOTES [GLO 128-18, PAGE 4]. POSITIONED THE '+ ' AND FIND IT TO BE WITHIN 11 FEET OF HARRINGTON'S 1891 DISTANCE TO THE NORTHWEST CORNER OF SECTION 27 [A 99% MATCH], AND WITHIN 2.7' OF A DIRECT LINE BETWEEN THE NORTHWEST CORNER OF SECTION 27 AND THE ACCEPTED SOUTHWEST CORNER OF SECTION 27.

APRIL 4, 2011 — WE FIND THE SAME ROCK, WITH THE SAME + AS DESCRIBED ABOVE, WITH THE ADDITION OF TWO ONE INCH BERNTSEN B2 COPPER CAP MONUMENTS STAMPED "BLM WPRM .85FT" AND "BLM WPRM .96FT", SET IN THE SAME BOULDER AS OFF-LINE WITNESS POINTS TO THE "+ ". WE FIND THESE POINTS TO BE, FROM THE "+ ", S32°32'W TB, 0.85', AND S76°35'E TB, 0.96'. PER THE "2011 BLM SURVEY", AFTER REVIEW AND EVALUATION, THE BLM HAS ACCEPTED THE + IN THE BOULDER, AS AN ORIGINAL MONUMENT OF THE ORIGINAL 1873 W.H.NORWAY SURVEY [GLO NOTES 166-30, PAGE 19]. AS SUCH, IT IS AN ANGLE POINT IN THE SECTION LINE, AND A POINT, ALONG WITH THE SECTION CORNERS, FROM WHICH TO ESTABLISH LOST INTERMEDIATE SECTIONAL BREAKDOWN CORNERS BY SINGLE PROPORTION.

SEE ADDITIONAL DISCUSSION ON THIS CORNER ON SHEETS 14 AND 15 UNDER HEADING "COMMON LINE SECTIONS 27 & 28", ON SHEET 16 UNDER HEADING "FINAL OBSERVATIONS, COMMON LINE SECTIONS 27 & 28" AND ALSO, ON SHEET 16, UNDER HEADING "FINAL DETERMINATION BY BLM, COMMON LINE SECTIONS 27 & 28"

TO REACH THE MONUMENT FROM THE INTERSECTION OF ROUTE 154 AND SAN MARCOS ROAD, NORTH OF GOLETA, GO SOUTH ON NORTH SAN MARCOS ROAD APPROXIMATELY ONE MILE TO A DIRT ROAD HEADING WEST. THEN GO WEST AND DOWN HILL APPROXIMATELY 0.6 MILE TO A BRIDGE CROSSING SAN JOSE CREEK. CONTINUE WESTERLY AND UP HILL APPROXIMATELY 0.7 MILE TO A DIRT DRIVEWAY HEADING EAST. CONTINUE EAST ON THE DIRT ROAD APPROXIMATELY 0.1 MILE TO A CLEARING ON THE NORTH OF THE DIRT ROAD. HIKE NORTHWESTERLY UP HILL, USING GPS NAVIGATION, APPROXIMATELY 1500 FEET TO THE MONUMENT.

MONUMENT DESCRIPTIONS
[CONTINUED]

8149 — LINE POINT PER CS 711

FOUND A 3/4 INCH IRON PIPE WITH A NAIL AND COPPER TAG STAMPED "S.B. COUNTY SURVEY MON." PER CS711, FLUSH WITH SURFACE. FOUND A USFS CARSONITE WITNESS POST WITH A 54-2A BOUNDARY DECAL, 0.3 FOOT WEST OF THE MONUMENT. MONUMENT COMPUTES TO BE N88°44'36"W, 0.12' FROM SECTION LINE.

FROM THE INTERSECTION OF ROUTE 154 AND CAMINO CIELO, HEAD WEST ON CAMINO CIELO APPROXIMATELY 0.6 MILE TO EL CAMINO DE ROMAIDO, RUNNING SOUTHEASTERLY. HEAD SOUTHEAST APPROXIMATELY 0.75 MILE TO A CLEARING AND THE BEGINNING OF A FIRE BREAK. THEN HIKE SOUTHEASTERLY APPROXIMATELY 1000 FEET ON THE FIRE BREAK TO A CLEARED TRAIL HEADING NORTHEASTERLY. FOLLOW THE SIDE TRAIL UP HILL 250 FEET TO THE END OF THE CLEARED PATH, THEN CONTINUE THROUGH BRUSH UPHILL EASTERLY ABOUT 150 FEET TO THE MONUMENT ON THE NORTHEAST SIDE OF A CLEARED PATH RUNNING SOUTHEASTERLY ALONG THE RIDGE TOP.

8158 — PIPE USED AS CHECK FOR 1/4 S21|S28, T5N, R28W, SBM

FOUND A 1 INCH OPEN PIPE, PER 117-RS-18-20 AND 52-PM-85, EXTENDING 0.3 FOOT ABOVE THE SURFACE. MONUMENT IS 1.5 FOOT EAST OF RECENTLY BUILT A SIX FOOT HIGH NORTH-SOUTH CHAIN LINK FENCE LINE. FOUND A CARSONITE FIBERGLASS WITNESS POST WITH A USFS 54-2A BOUNDARY DECAL 1.7 FOOT SOUTH OF THE MONUMENT. ALSO, FOUND A 1/2 INCH IRON PIPE WITH A PLASTIC PLUG STAMPED "REF PT LS 6170", NO RECORD REFERENCE, S13°W 1.70 FEET FROM THE OPEN PIPE. THE USFS CARSONITE WITH THE BOUNDARY DECAL IS 0.3 FOOT EAST OF THE LS 6970 PIPE. NO NEW WITNESS POSTS OR SIGNS SET.

TO REACH THE MONUMENT FROM THE INTERSECTION OF ROUTE 154 AND CAMINO CIELO, NORTH OF GOLETA, GO WEST APPROXIMATELY 1.25 MILES TO AN ENTRANCE TO THE WINDERMERE RANCH. THEN HEAD EAST APPROXIMATELY 0.4 MILE TO A SERVICE PHONE. AFTER GETTING PERMISSION TO ENTER THE RANCH, USE RANCH ROADS AND GPS NAVIGATION TO THE GET TO THE EAST SIDE OF THE PROPERTY AT A GATE EXITING THE RANCH. THEN HIKE SOUTH ALONG THE NEW FENCE LINE APPROXIMATELY 700 FEET TO THE STATION.

8162 — WITNESS POINT TO CORNER S21|S22|S28|S27, T5N, R28W PER CS711

FOUND A NAIL AND 1 1/4 INCH SQUARE COPPER TAG STAMPED "S.B. COUNTY SURV MON" IN A LARGE FLAT BOULDER PER CS711 AND USFS CORNER CARD R-13, T5N, R28W.

SEE #9007 BELOW FOR TO REACH DESCRIPTION. #8162 IS S02°36'45"E 34.43 FEET FROM SECTION CORNER [#9007].

8164 — BEARING TREE TO CORNER S21|S22|S28|S27, T5N, R28W, SBM

FOUND A BLM S-9 BEARING TREE SIGN, ETCHED "46.5 N26E B. EMMENS 9-81" ON A 30" OAK TREE. USFS CORNER CARD R-13 FOR T5N, R28W, SBM, DATED 9/02/81 CALLS FOR A 22" OAK WITH A PAINTED BAND AND AN 11 INCH BY 16 INCH BLAZE. WE FIND NO SIGN OF THE BLAZE OR THE PAINT, BUT ACCEPT THIS TREE AS THE BEARING TREE CALLED FOR ON THAT RECORD.

SEE #9007 BELOW FOR TO REACH DESCRIPTION. CENTER OF BEARING TREE, [#8164] IS S24°32'W, GRID BEARING, & S23°30'W TB46.7 FEET FROM SECTION CORNER [#9007].

RECORD OF SURVEY

OF THE BOUNDARIES OF THE U.S. FOREST LANDS WITHIN SECTIONS 27, 28, 29, & 33, TOWNSHIP 5 NORTH, RANGE 28 WEST, SAN BERNARDINO MERIDIAN, IN THE COUNTY OF SANTA BARBARA, STATE OF CALIFORNIA

OCTOBER, 2009 — APRIL, 2011
JOHNSON-FRANK & ASSOCIATES, INC.
5150 E. HUNTER AVENUE, ANAHEIM, CA 92807
714-777-8877

SHEET 8 OF 18 SHEETS

MONUMENT DESCRIPTIONS
[CONTINUED]

8173 – POSSIBLE POINT ON SECTION LINE PER R61

FOUND A 3/4" I.P. NO TAG, NO REFERENCE.

SEE DESCRIPTION FOR #8128 ABOVE FOR DETAILS AND TO REACH DESCRIPTION.

8404 – ANGLE POINT – EL SUENO RANCH – F.F. FLOURNOY 1919

FOUND A 2" I.P. WITH A 3 1/4" BRASS CAP STAMPED AS SHOWN ON MAP SHEET, PER M12, UP 3 INCHES. FOUND A 6" DIA. X 8 FOOT HIGH WOOD POST 1.2' NORTH-EASTERLY. THE BRASS CAP ON THIS MONUMENT IS CHEWED UP AS IF IT HAD BEEN HIT BY MACHINERY. COMPUTATIONS RELATIVE TO OTHER M12 MONUMENTS WOULD INDICATE THIS MONUMENT IS NOT IN ITS ORIGINAL POSITION, AND, AS SUCH, WAS NOT HELD TO POSITION POINT 9410.

TO REACH THE MONUMENT FROM THE INTERSECTION OF CATHEDRAL OAKS ROAD AND NORTH FAIRVIEW AVENUE IN GOLETA, GO NORTH 0.9 MILES ON FAIRVIEW TO A PAVED DRIVE ON THE RIGHT. GO EASTERLY ON THE DRIVE 0.2 MILES AND HIKE SOUTHERLY ABOUT 300 FEET, USING GPS NAVIGATION TO THE MONUMENT.

8407 – ANGLE POINT – EL SUENO RANCH – F.F. FLOURNOY 1919

FOUND A 2" I.P. WITH A 3 1/4" BRASS CAP STAMPED AS SHOWN ON MAP SHEET, PER M12, UP 10 INCHES. FOUND A "T" POST WITNESS 1.8 FEET SOUTH-EASTERLY.

TO REACH THE MONUMENT FROM THE INTERSECTION OF CATHEDRAL OAKS ROAD AND PATTERSON AVENUE IN GOLETA, GO NORTH AND WEST ON PATTERSON AVENUE APPROXIMATELY 1 MILE TO CAMINO MANADERO. THEN GO NORTH ON CAMINO MANADERO APPROXIMATELY 0.5 MILE TO GATE ENTRANCE TO CIERVO FARMS. THEN HEAD NORTH ON A PAVED ROAD APPROXIMATELY 0.2 MILE THE NORTH END OF A CURVE IN THE ROAD AND A DIRT FARM ROAD ON THE LEFT. FOLLOW THE FARM ROAD WESTERLY 0.2 MILE TO A FARM ROAD HEADING SOUTH NEAR POINT 8409. DRIVE SOUTH 0.1 MILE. HIKE SOUTHWESTERLY, USING GPS NAVIGATION TO THE MONUMENT IN THE BOTTOM OF A RAVINE.

8409 – ANGLE POINT – EL SUENO RANCH – F.F. FLOURNOY 1919

FOUND A 2" I.P. WITH A 3 1/4" BRASS CAP STAMPED AS SHOWN ON MAP SHEET, PER M12, UP 6 INCHES. FOUND A "T" POST WITNESS 0.5 FOOT SOUTH-WESTERLY.

TO REACH THE MONUMENT FROM THE INTERSECTION OF CATHEDRAL OAKS ROAD AND PATTERSON AVENUE IN GOLETA, GO NORTH AND WEST ON PATTERSON AVENUE APPROXIMATELY 1 MILE TO CAMINO MANADERO. THEN GO NORTH ON CAMINO MANADERO APPROXIMATELY 0.5 MILE TO GATE ENTRANCE TO CIERVO FARMS. THEN HEAD NORTH ON A PAVED ROAD APPROXIMATELY 0.2 MILE THE NORTH END OF A CURVE IN THE ROAD AND A DIRT FARM ROAD ON THE LEFT. FOLLOW THE FARM ROAD WESTERLY 0.2 MILE TO THE MONUMENT ON THE LEFT SIDE OF THE ROAD.

8411 – ANGLE POINT – EL SUENO RANCH – F.F. FLOURNOY 1919

FOUND A 2" I.P. WITH A 3 1/4" BRASS CAP STAMPED AS SHOWN ON MAP SHEET, PER M12, UP 2 INCHES. FOUND A "T" POST WITNESS 0.7 FOOT NORTH-WESTERLY.

TO REACH THE MONUMENT FROM THE INTERSECTION OF CATHEDRAL OAKS ROAD AND PATTERSON AVENUE IN GOLETA, GO NORTH AND WEST ON PATTERSON AVENUE APPROXIMATELY 1 MILE TO CAMINO MANADERO. THEN GO NORTH ON CAMINO MANADERO APPROXIMATELY 0.5 MILE TO GATE ENTRANCE TO CIERVO FARMS. THEN HEAD NORTH ON A PAVED ROAD APPROXIMATELY 0.2 MILE THE NORTH END OF A CURVE IN THE ROAD AND A DIRT FARM ROAD ON THE LEFT. FOLLOW THE FARM ROAD WESTERLY 0.2 MILE TO A FARM ROAD HEADING SOUTH NEAR POINT 8409. DRIVE SOUTH 0.1 MILE. HIKE SOUTHWESTERLY, USING GPS NAVIGATION TO THE MONUMENT IN THE BOTTOM OF A RAVINE.

SEE SHEET 1 FOR SURVEYOR'S AND COUNTY SURVEYOR'S STATEMENTS, MONUMENT SYMBOL DESCRIPTIONS, ABBREVIATIONS, BASIS OF BEARINGS, DATUM STATEMENT, AND CONTROL DIAGRAM.
SEE SHEETS 2 THROUGH 4 FOR DETAIL SURVEY.
SEE SHEET 5 FOR DETAILS OF APPARENT ENCROACHMENTS AND POSSIBLE ALTERNATE LOCATIONS FOR NW/NE/S33.
SEE SHEET 6 THROUGH 11 FOR MONUMENT DESCRIPTIONS.
SEE SHEET 12 THROUGH 17 FOR HISTORY AND BOUNDARY DISCUSSIONS.
SEE SHEET 18 FOR POSITIONAL TABLE, RECORD REFERENCE ABBREVIATIONS AND FOREST SIGNS USED.

MONUMENT DESCRIPTIONS
[CONTINUED]

9007 – SECTION CORNER S21|S22|S28|S27, T5N, R28W, SBM

FOUND 2 INCH IRON PIPE WITH A 3 1/4 INCH BRASS CAP STAMPED "S.B. SUR. SEC.21|SEC.22+SEC.28|SEC.27 F.E. EVANS CO. SUR." PER CS711, ON THE SURFACE, HAVING BEEN REMOVED FROM ITS LOCATION BY RECENT FIREBREAK CONSTRUCTION. SET USFS ALUMINUM MONUMENT WITH CAP STAMPED AS SHOWN ON MAP, BY RECORD TIE FROM #8162 AS FOLLOWS:

COMPUTED BEARING ROTATION FROM CS711 TO CURRENT:
8149-8101 (N00°13'20"E) N01°15'36"E = 1°02'16" RIGHT
8094-8020 (N89°45'20"W) N88°43'06"W = 1°02'14" RIGHT
AVERAGE = 1°02'15" RIGHT
APPLIED TO CS711 TIE FROM L&T IN BOULDER [#8162]:
(N3°39'W 34.43' CS711)
N02°36'45"W 34.43 REC & HELD.

SET A WITNESS POST WITH USFS 54-9 AND 54-2 1.5 FEET SOUTHWESTERLY.

FOUND EXISTING BT, DESCRIBED AS POINT #8164 ABOVE, S24°32'W GRID BEARING, S23°30'W TB, 46.7' TO CENTER OF 30" OAK TREE.

ESTABLISHED NEW BT AT 12" DOUBLE TRUNK OAK, S 50° E TB, 43.9 FEET. SET SCRIBED USFS 54-3 SIGN ON TREE. SET SPIKE AND SFSW MEASURING POINT ON NORTHEAST SIDE OF TREE.

TO REACH FROM THE INTERSECTION OF ROUTE 154 AND CAMINO CIELO, HEAD WEST ON CAMINO CIELO APPROXIMATELY 0.6 MILE TO EL CAMINO DE ROMAIDO, RUNNING SOUTHEASTERLY. HEAD SOUTHEAST APPROXIMATELY 0.75 MILE TO A CLEARING AND THE BEGINNING OF A FIRE BREAK. THEN HIKE SOUTHEASTERLY APPROXIMATELY 1700 FEET TO A POINT WHERE THE FIRE BREAK FORKS TO GO NORTH AND SOUTH OF SOME OAK TREES. TAKE THE LEFT, NORTHEAST FORK, AND GO ABOUT 200 FEET TO THE MONUMENT NEAR THE END OF THE FIREBREAK.

9021 – QUARTER CORNER S22/S27, T5N, R28W, SBM

FOUND A 1 INCH IRON PIPE WITH NAIL & 1 1/4" TAG "LS 5020" FLUSH, S16°54'W, 0.72'. FOUND MONUMENT FALLS 0.72' SOUTH OF THE SECTION LINE AND THE DISTANCE FROM #8020 IS 0.39 FOOT LONG. IT IS EVIDENT, THAT THE EXISTING MONUMENT HAS BEEN MOVED AT SOME TIME, PROBABLY BY THE INSTALLATION OF A 16" DIAMETER FIBERGLASS POWER POLE AT THE LOCATION OF THE QUARTER CORNER. ESTABLISHED LOCATION FOR QUARTER CORNER [#9021] AT 83.10 FEET MEASURED AND RECORD PER CS711 WESTERLY FROM WITNESS CORNER #8020 ON A LINE FROM #8020 TO THE SECTION CORNER AT #9007. THIS LOCATION FALLS WITHIN THE FIBERGLASS POWER POLE. SET SFSM [#29021], S88°43'15"E 2.00' ON SECTION LINE, MARKED FOR 2.00 FOOT WITNESS CORNER, AS SHOWN ON MAP SHEET. REMOVED THE FOUND DISTURBED PIPE.

SEE DESCRIPTION FOR #29021 BELOW FOR TO REACH AND SIGNAGE.

9026 – CORNER S22|S23|S26|S27, T5N, R28W, SBM

OUR CURRENT SURVEY FINDS THE ORIGINAL STONE CORNER MONUMENT, WHICH IS A SANDSTONE, 12" X 12" X 30", WITH TWO NOTCHES ON THE EAST SIDE AND TWO NOTCHES ON THE SOUTH SIDE, AS DESCRIBED IN G128-18, PAGE 3, WITH A CROSS SCRIBED ON THE TOP AS DESCRIBED BY R174B. WE ALSO FIND THE CHISELED + ON THE BOULDER TO THE SOUTHEAST [#8027]. WE ACCEPT AND USE THE R174B DISTANCE AND DIRECTION FROM THE "+" ON THE STABLE IMBEDDED BOULDER TO ESTABLISH THE ORIGINAL LOCATION OF THIS CORNER, AND ACCEPT THAT LOCATION AS THE SECTION CORNER. THE DISTANCE TO THE "+" ON THE ORIGINAL STONE FROM THE CORNER IS NOW 1.70' INSTEAD OF 1.56' AS SHOWN ON R174B IN 2007, INDICATING THE ORIGINAL STONE IS NOT STABLE. THE DISTANCE AND BEARING PER THE R174B SURVEY FROM THE + ON THE ORIGINAL STONE HAS BEEN DISREGARDED. WE DETERMINE THE ROTATION FROM THE R174B BEARINGS TO STATE PLANE BEARINGS TO BE 1°00'57" MORE NORTHEAST, USING THE DATA SHOWN ON SAID MAP ALONG THE WEST LINE OF SECTION 27 IN THE CONTROL DETAIL SHOWN ON SHEET 1 OF SAID MAP. USING THAT ROTATION WE DETERMINE THE STATE PLANE BEARING FROM THE BOULDER TO THE CORNER TO BE N07°34'40"W. SET SFSM, STAMPED AS SHOWN ON THE MAP SHEET AT THE CORNER RELATIVE TO THE IMBEDDED BOULDER, AND BURIED THE ORIGINAL STONE, INVERTED ALONGSIDE. FOUND A STEEL ANGLE IRON POST WITH A USFS 54-4 MONUMENT SIGN 1.5' WEST OF THE CORNER. SET A STEEL POST WITH USFS 54-9 MONUMENT SIGN THREE FEET NORTHERLY OF THE CORNER.

TO REACH THE MONUMENT FROM THE INTERSECTION OF STATE ROUTE 154 AND PAINTED CAVE ROAD, NORTH OF GOLETA, GO NORTH, UP HILL ON PAINTED CAVE ROAD APPROXIMATELY 0.7 MILE TO A PULL OUT ON THE WEST SIDE OF THE ROAD, THEN HIKE DOWN HILL HEADING DUE WEST APPROXIMATELY 100 FEET TO THE STATION.

MONUMENT DESCRIPTIONS
[CONTINUED]

9042 – WEST CENTER 1/16, S27, T5N, R28W, SBM

SEARCHED, FOUND NOTHING, SET SFSM STAMPED AS SHOWN ON THE MAP SHEET. SHANK OF SFSM WAS CUT, AND THE UPPER SHANK AND CAP CEMENTED INTO A DRILLED HOLE IN A 30 X 10 X 4 FOOT HIGH SANDSTONE BOULDER. SET A STEEL WITNESS POST WITH USFS 54-9 & 54-2 SIGNS, 1.5 FOOT NORTHEASTERLY.

TO REACH THE MONUMENT FROM THE INTERSECTION OF ROUTE 154 AND SAN MARCOS ROAD, GO SOUTH ON NORTH SAN MARCOS ROAD APPROXIMATELY 1 MILE TO A DIRT ROAD HEADING WEST. THEN GO WEST AND DOWN HILL APPROXIMATELY 0.60 MILES TO A BRIDGE CROSSING AT A THE SAN JOSE CREEK. THEN CONTINUE WESTERLY AND UP HILL APPROXIMATELY 0.60 MILES TO THE STATION APPROXIMATELY 70' SOUTH OF THE SOUTH EDGE OF THE DIRT ROAD.

9044 – CENTER 1/4, S27, T5N, R28W, SBM

SEARCHED, FOUND NOTHING, SET SFSM WITH TOP 6 INCHES ABOVE SURFACE, STAMPED AS SHOWN ON THE MAP SHEET AT THE INTERSECTION OF LINES CONNECTING OPPOSING QUARTER CORNERS. BUILT A MOUND OF ROCKS AROUND THE MONUMENT, 24 INCHES AT BASE, 6 INCHES HIGH. SET A WITNESS POST WITH USFS 54-9 AND 54-2 SIGNS, 1.5' NORTHEASTERLY.

ESTABLISHED BT AT 15" TREE, N 45° W TB, 41.9 FEET. SET SCRIBED USFS 54-3 SIGN ON TREE. SET SPIKE AND SFSW MEASURING POINT ON SOUTHWEST SIDE OF TREE.

ESTABLISHED BT AT 24" OAK, N 25° E TB, 27.2 FEET. SET SCRIBED USFS 54-3 SIGN ON TREE. SET SPIKE AND SFSW MEASURING POINT ON SOUTHEAST SIDE OF TREE.

TO REACH THE MONUMENT FROM THE INTERSECTION OF ROUTE 154 AND NORTH SAN MARCOS ROAD, GO SOUTH ON NORTH SAN MARCOS ROAD APPROXIMATELY 1 MILE TO A DIRT ROAD HEADING WEST. THEN GO WEST AND DOWN HILL APPROXIMATELY 0.60 MILES TO A BRIDGE CROSSING AT A THE SAN JOSE CREEK. THEN CONTINUE WESTERLY AND UP HILL APPROXIMATELY 0.50 MILES TO A POINT IN THE ROAD STRAIGHT WEST OF THE MONUMENT, AS DETERMINED BY GPS NAVIGATION, AT AN INTERSECTION WITH A DIRT ROAD RUNNING NORTHEASTERLY, THEN HIKE EASTERLY DOWN A STEEP EAST FACING SLOPE, ABOUT 310 FEET TO THE MONUMENT.

9050 QUARTER CORNER S28|S27, T5N, R28W, SBM

SEARCHED, MULTIPLE TIMES WITH MULTIPLE EXPERIENCED PERSONNEL IN MULTIPLE SEARCH LOCATIONS. PRIOR TO FEBRUARY 2011, FOUND NOTHING. AREA IS ON A STEEP HILLSIDE, WHICH HAS BEEN BURNED OVER IN THE RECENT GAP FIRE, AS WELL AS TWO OTHERS SINCE 1955, AND PROBABLY OTHERS SINCE THE ORIGINAL WOOD POST WAS SUPPOSEDLY SET 140 YEARS AGO. ON APRIL 4, 2011 – FOUND A 2 INCH IRON PIPE WITH A 3 1/4 BRASS CAP STAMPED AS SHOWN ON THE MAP SHEET, SET BY BLM AS PART OF THE 2011 BLM SURVEY, IN A MOUND OF ROCKS, 24 INCHES AT BASE, 6 INCHES HIGH. SET A WITNESS POST WITH USFS 54-9 AND 54-2 SIGNS, 1.5 FEET NORTHERLY. SEE SECTION ENTITLED FINAL DETERMINATION COMMON LINE SECTIONS 27 & 28 BY BLM ON SHEET 16.

TO REACH THE MONUMENT FROM THE INTERSECTION OF ROUTE 154 AND NORTH SAN MARCOS ROAD, NORTH OF GOLETA, GO SOUTH ON NORTH SAN MARCOS ROAD APPROXIMATELY ONE MILE TO A DIRT ROAD HEADING WEST. GO WEST AND DOWN HILL APPROXIMATELY 0.6 MILE TO A BRIDGE CROSSING AT SAN JOSE CREEK. CONTINUE WESTERLY AND UP HILL APPROXIMATELY 0.7 MILE TO A DIRT DRIVEWAY HEADING EAST. THEN CONTINUE WEST ON A DIRT ROAD APPROXIMATELY 0.2 MILE TO THE MONUMENT APPROXIMATELY 95 FEET SOUTH OF THE CENTER OF THE DIRT ROAD.

MONUMENT DESCRIPTIONS
[CONTINUED]

9057 – W 1/16TH, S22/S27, T5N, R28W, SBM

SET SFSM STAMPED AS SHOWN ON THE MAP SHEET AT MIDPOINT ON THE SECTION LINE BETWEEN THE QUARTER CORNER [#9021]AND THE SECTION CORNER [#9007]. LOWER PORTION OF SHANK OF STANDARD SFSM WAS CUT OFF, AND THE UPPER SHANK AND CAP WERE CEMENTED INTO A DRILLED HOLE IN A 30" X 36" X 36" SANDSTONE BOULDER. SET A STEEL POST WITH A USFS 54-9 MONUMENT SIGN 2' SOUTHWESTERLY. ALSO, FOUND A CHISELED '+' PER 29-RS-113 SET IN THE SAME BOULDER, N37°15'E 0.74 FEET [SEE #8057 ABOVE]. ALSO, FOUND A 3/4 INCH IRON PIPE WITH A COPPER TACK AND TAG STAMPED "U.S. GRANT R.E. 1564", PER 29-RS-113, EAST-NORTHEAST ABOUT SIX FEET, NOT POSITIONED BY THIS SURVEY. MONUMENT EXTENDS 4 INCHES ABOVE THE SURFACE AND IS DISTURBED AND LEANING. THE POINT IS LOCATED ON THE EASTERLY EDGE OF A STEEP DRY STREAM AT THE BASE OF A 4 INCH DIAMETER TREE. SET A SMALL ROCK RING AROUND THE PIPE.

ESTABLISHED BT AT 6" OAK, S 60° W TB, 10.6 FEET. SET SCRIBED USFS 54-3 SIGN ON TREE. SET SPIKE AND SFSW MEASURING POINT ON SOUTHEAST SIDE OF TREE.

ESTABLISHED BT AT 8" OAK, S 35° E TB, 7.4 FEET. SET SCRIBED USFS 54-3 SIGN ON TREE. SET SPIKE AND SFSW MEASURING POINT ON NORTHEAST SIDE OF TREE.

TO REACH FROM THE INTERSECTION OF ROUTE 154 AND CAMINO CIELO, HEAD WEST ON CAMINO CIELO APPROXIMATELY 0.6 MILE TO EL CAMINO DE ROMAIDO, RUNNING SOUTHEASTERLY. THEN HEAD SOUTHEAST APPROXIMATELY 0.75 MILES TO A CLEARING AND THE BEGINNING OF A FIRE BREAK. HIKE SOUTHEASTERLY APPROXIMATELY 1300' ON THE FIRE BREAK TO A 'T' INTERSECTION IN THE FIRE BREAK. THEN HIKE EAST ON THE FIRE BREAK 300 FEET TO THE END OF THE FIRE BREAK. THEN HIKE SOUTHEASTERLY ON A CUT TRAIL ALONG THE RIDGE LINE APPROXIMATELY 900 FEET. THEN, USING GPS NAVIGATION, BLAZE NEW TRAIL HEADING NORTHEAST APPROXIMATELY 550 FEET TO THE MONUMENT.

9058 – E 1/16TH, S22/S27, T5N, R28W, SBM

FOUND A DISTURBED 1/2 INCH IRON PIPE WITH A 40D NAIL AND A WASHER STAMPED "LS 5020" LEANING DOWN HILL, IN LIEU OF 1/2 INCH IRON PIPE, OPEN, PER R142B. REMOVED THE DISTURBED PIPE. SET SFSM, STAMPED AS SHOWN ON THE MAP SHEET, IN A RING OF LARGE ROCKS, BY SINGLE PROPORTION BETWEEN THE NORTHEAST CORNER OF SECTION 27 [#9026] AND THE QUARTER CORNER S22/S27 [#9021]. FOUND A 'T' POST ONE FOOT SOUTHWESTERLY. SET A STEEL POST WITH A USFS 54-9 MONUMENT SIGN AND A 54-2 BOUNDARY SIGN, 0.6 FOOT NORTHEASTERLY.

TO REACH THE MONUMENT FROM THE INTERSECTION OF ROUTE 154 AND NORTH SAN MARCOS ROAD, HEAD NORTHWEST ON ROUTE 154 APPROXIMATELY 700' FEET TO THE FIRST RESIDENCE ON THE NORTH OF THE ROAD. THE MONUMENT IS APPROXIMATELY 180' NORTH OF THE BACKSIDE OF THE RESIDENCE.

RECORD OF SURVEY

OF THE BOUNDARIES OF THE U.S. FOREST
LANDS WITHIN SECTIONS 27, 28, 29, & 33,
TOWNSHIP 5 NORTH, RANGE 28 WEST,
SAN BERNARDINO MERIDIAN,
IN THE COUNTY OF SANTA BARBARA,
STATE OF CALIFORNIA

OCTOBER, 2009 – APRIL, 2011
JOHNSON-FRANK & ASSOCIATES, INC.
5150 E. HUNTER AVENUE, ANAHEIM, CA 92807
714-777-8877

SHEET 9 OF 18 SHEETS

MONUMENT DESCRIPTIONS
[CONTINUED]

9059 – NE 1/16TH, S27, T5N, R28W, SBM

FOUND NOTHING, SET SFSM STAMPED AS SHOWN ON THE MAP SHEET, UP FOUR INCHES IN A MOUND OF ROCKS, 18 INCHES AT BASE, 4 INCHES HIGH. SET A WITNESS POST WITH USFS 54–9 AND 54–2 SIGNS 1.5 FEET SOUTHEASTERLY.

ESTABLISHED BT AT 14" OAK, N 10° E TB, 13.6 FEET. SET SCRIBED USFS 54–3 SIGN ON TREE. SET SPIKE AND SFSW MEASURING POINT ON NORTHWEST SIDE OF TREE.

ESTABLISHED BT AT 12" OAK, S 62° E TB, 37.5 FEET. SET SCRIBED USFS 54–3 SIGN ON TREE. SET SPIKE AND SFSW MEASURING POINT ON NORTHEAST SIDE OF TREE.

TO REACH THE MONUMENT FROM THE INTERSECTION OF ROUTE 154 AND NORTH SAN MARCOS ROAD, GO SOUTH ON NORTH SAN MARCOS ROAD APPROXIMATELY 0.20 MILES TO THE ENTRANCE OF THE "SAN MARCOS TROUT CLUB. THEN HEAD NORTHWEST ON THE ENTRANCE ROAD APPROXIMATELY 550' TO AN ASPHALT PULL OUT ON THE SOUTHERLY SIDE OF THE ROAD. THEN HIKE SOUTH DOWN HILL THROUGH HEAVY BRUSH APPROXIMATELY 150' USING GPS NAVIGATION TO THE STATION.

9060 – CENTER NORTH 1/16TH, S27, T5N, R28W, SBM

FOUND NOTHING, SET SFSM STAMPED AS SHOWN ON THE MAP SHEET, UP FOUR INCHES IN A MOUND OF ROCKS, 18 INCHES AT BASE, 4 INCHES HIGH. SET A WITNESS POST WITH USFS 54–9 AND 54–2 SIGNS 1.5 FEET SOUTHWESTERLY.

TO REACH THE MONUMENT FROM THE INTERSECTION OF ROUTE 154 AND NORTH SAN MARCOS ROAD, NORTH OF GOLETA, GO SOUTH ON NORTH SAN MARCOS ROAD APPROXIMATELY 0.2 MILE TO THE ENTRANCE OF THE "SAN MARCOS TROUT CLUB". GO NORTHWEST APPROXIMATELY 0.2 MILE TO A RESIDENTS' MAP BOARD. THEN DRIVE TO CABIN #25 AT THE SOUTHWEST CORNER OF THE COMMUNITY. HIKE FROM THE SOUTHERLY EDGE OF CABIN #25, SOUTH DOWN HILL, APPROXIMATELY 400 FEET, USING GPS NAVIGATION, TO THE MONUMENT.

9062 QUARTER CORNER, S21/S28, T5N, R28W, SBM

FOUND THE ORIGINAL 1/4 CORNER STONE, WHICH IS AN 8 INCH NORTH–SOUTH BY 14 INCH EAST–WEST BY 12 INCH HIGH SANDSTONE WITH "1/4 S" CHISELED ON THE NORTH SIDE OF THE STONE, AS DESCRIBED PER GLO NOTES 392–6, PAGE 17, F. FLOURNEY, 1900. THE STONE WAS IN A SLIDE AREA AND HAS BEEN MOVED FROM ITS ORIGINAL LOCATION. ORIGINAL LOCATION OF STONE AND THE ORIGINAL QUARTER CORNER LOCATION, AT LEAST AS OF 1986, WAS RE–ESTABLISHED BY COMPASS ADJUSTMENT OF SECTION LINE DATA SHOWN ON 117–RS–18–20, WITH A SATISFACTORY DISTANCE CHECK TO A MONUMENT [#8158] SHOWN ON SAID MAP 1073 FEET NORTHERLY. THE ORIGINAL STONE MONUMENT WAS S24°17'W 4.85'. FOUND A SPIKE, NO REFERENCE, WITH A LATH MARKED "PROP COR" S81°14'E, 0.69'. SET SFSM STAMPED AS SHOWN ON THE MAP SHEET AT THE RE–ESTABLISHED LOCATION OF THE ORIGINAL CORNER. TOP OF THE NEW MONUMENT IS UP 2 INCHES IN A ROCK RING. SET A STEEL POST WITH 54–9 MONUMENT SIGN AND 54–2 PROPERTY BOUNDARY SIGN 1.5' SOUTHEAST OF THE MONUMENT. BURIED THE ORIGINAL STONE FACE DOWN ONE FOOT SOUTH OF THE NEW MONUMENT.

TO REACH THE MONUMENT FROM THE INTERSECTION OF ROUTE 154 AND CAMINO CIELO, NORTH OF GOLETA, GO WEST APPROXIMATELY 1.25 MILES TO AN ENTRANCE TO A RANCH. THEN HEAD EAST APPROXIMATELY 0.4 MILES TO A SERVICE PHONE. AFTER GETTING PERMISSION TO ENTER RANCH, USE RANCH ROADS AND GPS TO THE SOUTHEAST CORNER OF THE RANCH, THEN HIKE EAST APPROXIMATELY 350 FEET TO THE STATION.

SEE SHEET 1 FOR SURVEYOR'S AND COUNTY SURVEYOR'S STATEMENTS, MONUMENT SYMBOL DESCRIPTIONS, ABBREVIATIONS, BASIS OF BEARINGS, DATUM STATEMENT, AND CONTROL DIAGRAM. SEE SHEETS 2 THROUGH 4 FOR DETAIL SURVEY. SEE SHEET 5 FOR DETAILS OF APPARENT ENCROACHMENTS AND POSSIBLE ALTERNATE LOCATIONS FOR NW/NE/S33. SEE SHEET 6 THROUGH 11 FOR MONUMENT DESCRIPTIONS. SEE SHEET 12 THROUGH 17 FOR HISTORY AND BOUNDARY DISCUSSIONS. SEE SHEET 18 FOR POSITIONAL TABLE, RECORD REFERENCE ABBREVIATIONS AND FOREST SIGNS USED.

MONUMENT DESCRIPTIONS
[CONTINUED]

9065 – N 1/16TH, S30/S29, T5S, R28W, SBM

SET SFSM STAMPED AS SHOWN ON THE MAP SHEET, UP 10 INCHES ABOVE NATURAL SURFACE, IN SANDSTONE, AND IN A ROCK MOUND, AT MID POINT BETWEEN 1/4 S30/S29 [#8129] AND NORTHWEST CORNER S29 [#8014]. SET STEEL POST WITH 54–9 SURVEY MONUMENT SIGN AND 54–2 BOUNDARY SIGN 2'7" EASTERLY.

TO REACH THE MONUMENT FROM POINT 2200, DESCRIBED ABOVE, HEAD NORTH ON RANCH ROADS USING GPS NAVIGATION AND ATV'S TO A SWITCHBACK IN THE ROAD AT APPROXIMATELY THE CENTER OF THE NORTHWEST QUARTER OF SECTION 29, AT NORTH LATITUDE 34–29–23 AND WEST LONGITUDE 119–50–22, THEN HIKE WEST, AGAIN USING GPS NAVIGATION, ABOUT 1270 FEET TO THE MONUMENT. CONTACT MADARS OZOLINS FOR ASSISTANCE.

9071 – W 1/16TH, S20/S29, T5S, R28W, SBM

COMPUTED CORNER, NOTHING SET, SEE #8071.

9072 – E 1/16TH, S20/S29, T5S, R28W, SBM

COMPUTED CORNER, NOTHING SET, SEE #8072.

9075 – CENTER E 1/16TH, S29, T5S, R28W, SBM

COMPUTED CORNER, NOTHING SET, SEE #8075.

9076 – CENTER QUARTER, S29, T5S, R28W, SBM

COMPUTED CORNER, NOTHING SET, SEE #8076.

9077 – CENTER W 1/16TH, S29, T5S, R28W, SBM

COMPUTED CORNER. SEE #8077 ABOVE.

9078 – SECTION CORNER S29/S28/S32/S33, T5N, R28W, SBM

SEARCHED, NOTHING FOUND. THE LOCATION OF THE RECORD CORNER MONUMENT PER 61–RS–36, 69–RS–80 AND 85–RS–07 IS IN AN AREA THAT SHOWS SIGNS OF A SMALL LANDSLIDE AT SOME TIME IN THE PAST, AND THERE IS NO TRACE OF THE RECORD MONUMENT. RE–ESTABLISHED THE CORNER LOCATION BY DOUBLE PROPORTION FROM #8130 ON THE WEST, #8120 ON THE EAST, #8074 TO THE NORTH, AND #8117 TO THE SOUTH, USING RECORD DISTANCES FROM 69–RS–80 TO THE NORTH AND WEST AND 61–RS–36 TO THE SOUTH AND EAST. SET SFSM STAMPED AS SHOWN ON THE MAP SHEET, UP 3 INCHES ABOVE SURFACE. NO ROCKS IN AREA FOR MOUND, NO TREES FOR BEARING TREES. SET A STEEL POST WITH 54–9 MONUMENT SIGN, 1.5 FEET SOUTHERLY OF THE MONUMENT.

TO REACH THE MONUMENT FROM THE INTERSECTION OF CATHEDRAL OAKS ROAD AND PATTERSON AVENUE IN GOLETA, GO NORTH AND WEST ON PATTERSON AVENUE APPROXIMATELY ONE MILE TO CAMINO MANADERO. GO NORTH ON CAMINO MANADERO APPROXIMATELY 0.5 MILE TO GATE ENTRANCE TO CIERVO FARMS. HEAD NORTH ON A PAVED ROAD APPROXIMATELY 0.4 MILE TO A DIRT GROVE ROAD HEADING EASTERLY. FOLLOW THE ROAD EASTERLY, AND NORTHERLY THROUGH THE GROVE AND ALONG THE WEST SIDE OF THE GROVE, ABOUT 0.7 MILE TO THE MONUMENT ABOUT 35' NORTHEAST OF THE ROAD, AND ABOUT 30 FEET LOWER THAN THE ROAD

9091 APPARENT WITNESS CORNER, S26/S25, T5N, R28W, SBM

FOUND A 7X4X3 FOOT SANDSTONE BOULDER MARKED ON TOP WITH A CHISELED 10" PLUS AND A "WC". A PK NAIL HAS BEEN DRIVEN IN THE CENTER OF THE + BY PERSONS UNKNOWN. THE BOULDER IS IMBEDDED IN THE WEST SIDE OF THE BOTTOM OF A CREEK BED. APPEARS TO BE THE WITNESS CORNER DESCRIBED BY W.H. NORWAY IN HIS 1873 GLO NOTES 166–30, PAGE 14 AS "SAND ROCK. 6X6 FEET WHICH I MARK AS WITNESS TO CORNER" AND THE WITNESS CORNER DESCRIBED BY F. F. FLOURNOY IN HIS 1900 NOTES 392–6, PAGE 18, AS "A SAND ROCK 6 X 6 FT. MARKED AND WITNESSED AS DESCRIBED BY THE SURVEYOR GENERAL".

TO REACH, CONTACT UGO PETER (BUTCH) ARNOLDI, OWNER OF AP 153–330–24 FOR ACCESS. FROM HWY 154 & OLD SAN MARCOS ROAD, TRAVEL SOUTHEASTERLY ON THE HWY 0.95 MILES TO A DRIVE ON THE LEFT HEADING NORTHEASTERLY ALONG THE SOUTHEASTERLY SIDE OF SAN YGNACIO CREEK. FOLLOW THE ROAD THROUGH A LOCKED GATE (USFS LOCK), AND THEN WINDING NORTHEASTERLY ABOUT 0.7 MILE TO THE END OF THE ROAD. USE GPS NAVIGATION TO THE MONUMENT, ABOUT 200 FEET SOUTHEASTERLY.

MONUMENT DESCRIPTIONS
[CONTINUED]

9092 – S 1/16, S28/S27, T5N, R28W, SBM

SEARCHED, FOUND NOTHING, PRIOR TO FEBRUARY, 2011. APRIL 4, 2011 – FOUND A 2 INCH IRON PIPE WITH A 3 1/4 BRASS CAP STAMPED AS SHOWN ON THE MAP SHEET, IN A MOUND OF ROCKS, 18 INCHES AT BASE, 6 INCHES HIGH. ON MARCH 31, 2011, AS PART OF THE "2011 BLM SURVEY", THIS MONUMENT WAS SET BY BLM SURVEYORS AT MIDPOINT BETWEEN THE SECTION CORNER TO THE SOUTH [#8023], AND THE 1/4 CORNER S28/S27 [9050]. ACCEPTED AS S 1/16 S28/S27. SET A WITNESS POST WITH USFS 54–9 AND 54–2 SIGNS 1.5 FEET SOUTHWE STERLY.

TO REACH THE MONUMENT FROM THE INTERSECTION OF CATHEDRAL OAKS AND PATTERSON AVE., GO NORTH ON PATTERSON AVE. TO LA JOSA AVE. THEN GO NORTH ON LA JOSA AVE. APPROXIMATELY 700' TO THE ENTRANCE TO THE BOSIO RANCH. THEN GO NORTH ON THE MAIN ROAD HEADING THROUGH THE MIDDLE OF THE RANCH APPROXIMATELY 0.50 MILE TO THE BOSIO HOUSE, WITH A HORSE CORRAL ON THE WEST SIDE OF ROAD. THEN CONTINUE NORTH ON THE RANCH ROADS USING GPS NAVIGATION TO AN AREA ON THE WEST SIDE OF A STREAM AT ABOUT NORTH LATITUDE 34°28'43.0' & WEST LONGITUDE 119°48'28.4'. THEN HIKE APPROXIMATELY 1600' UPSTREAM, NORTHERLY, TO THE STATION. THE POINT IS ON THE EAST SIDE OF THE STREAM AND APPROXIMATELY 40' HIGHER THAN THE STREAM. CONTACT JUSTIN BOSIO FOR ASSISTANCE.

9114 – QUARTER CORNER S20/S29, T5N, R28W, SBM

SEARCHED, FOUND NOTHING, SET NOTHING. THE ONLY MODERN RECORD IN THIS AREA, 69–RS–80, DOES NOT INDICATE FINDING THIS CORNER. FOR THE PURPOSE OF THIS SURVEY, THE POSITION WAS ESTABLISHED AT MIDPOINT BETWEEN SECTION CORNERS #8014 AND #8063, IN THE SAME MANNER AS 69–RS–80.

9118 APPARENT QUARTER CORNER, S23/S26, T5N, R28W, SBM

FOUND A 4X4X3 FOOT HIGH SANDSTONE BOULDER WITH A CHISELED PLUS AND "1/4 S" CHISELED ON THE TOP. FOUND A MOUND OF STONES PILED AGAINST THE SIDE OF ANOTHER BOULDER TO THE NORTH. A CONCRETE NAIL HAS BEEN DRIVEN INTO THE CENTER OF THE PLUS BY PERSONS UNKNOWN. THERE IS ALSO A CHISELING, IN AN OBVIOUSLY DIFFERENT HAND "AW. 1–79?" LAND OWNER BUTCH ARNOLDI INDICATES THAT IS PROBABLY "ALAN WHITACKER", A FORMER OWNER OF THE LAND TO THE NORTH OF THIS POINT. THE + ON THE BOULDER APPEARS TO BE THE QUARTER CORNER AS DESCRIBED BY F. F. FLOURNOY IN HIS 1900 NOTES 392–6, PAGES 21 & 22, AS "ROCK 4 X 4 X 3 FT. OUT OF GROUND; I CUT A CROSS (X) AT THE EXACT COR. POINT FOR 1/4 SEC. COR. MARK 1/4 S. ON N. SIDE, RAISED MOUND OF STONES 2 1/2 FT. BASE 1 1/2 FT. HIGH ON N. SIDE."

TO REACH, CONTACT UGO PETER (BUTCH) ARNOLDI, OWNER OF AP 153–330–24 FOR ACCESS ACROSS HIS PROPERTY. FROM HWY 154 & OLD SAN MARCOS ROAD, TRAVEL SOUTHEASTERLY ON THE HWY 0.8 MILES TO A DRIVE ON THE LEFT HEADING NORTHEASTERLY ALONG THE NORTHWESTERLY SIDE OF SAN YGNACIO CREEK. FOLLOW THE ROAD THROUGH A LOCKED GATE (USFS LOCK), NORTHEASTERLY ABOUT 0.7 MILE, USING GPS NAVIGATION TO A POINT IN THE ROAD ABOUT 50 FEET SOUTHEAST AND ABOUT 25 BELOW THE MONUMENT. CLIMB THE BANK OPPOSITE THE CREEK, USING THE ROPE THAT IS INSTALLED FOR THAT PURPOSE TO THE MONUMENT.

9119 – NORTHERLY CORNER EL SUENO RANCH – F.F. FLOURNOY 1919

FOUND A TWO INCH IRON PIPE WITH A BRASS CAP WITH CAST INSCRIPTION "SURVEY MONUMENT MAY 1919 OF THE EL SUENO RANCH SURVEY MADE BY F.F.FLOURNOY" PER 12–MB–22, 88–RS–54, 69–RS–80 & 61–RS–36. SEE SECTION ENTITLED WEST LINE OF SECTION 33 ON SHEET 12 FOR DISCUSSION OF THIS MONUMENT AND ITS SIGNIFICANCE. AS FOUND, THE MONUMENT EXTENDED 6 INCHES ABOVE THE SURFACE AND WAS LEANING CONSIDERABLY TO THE SOUTHWEST. FOUND A 'T' POST WITNESS 0.7 FEET NORTHERLY. OUR CURRENT SURVEY TIED IN THE TOP CENTER OF THE MONUMENT AS FOUND, THEN DUG TO THE BOTTOM OF THE PIPE, AND PLUMBED THE MONUMENT VERTICAL FROM THE BASE OF THE PIPE. THE POSITION OF THE TOP CENTER OF THE MONUMENT, AS FOUND, WAS S56°56'W, 0.74' FROM THE STRAIGHTENED AND FINAL LOCATION OF SAME. SET A STEEL POST WITH USFS 54–9 MONUMENT SIGN ONE FOOT WEST OF THE MONUMENT.

TO REACH THE MONUMENT FROM THE INTERSECTION OF CATHEDRAL OAKS ROAD AND PATTERSON AVENUE IN GOLETA, GO NORTH AND WEST ON PATTERSON AVENUE APPROXIMATELY 1 MILE TO CAMINO MANADERO. THEN GO NORTH ON CAMINO MANADERO APPROXIMATELY 0.5 MILE TO GATE ENTRANCE TO CIERVO FARMS. THEN HEAD NORTH ON A PAVED ROAD APPROXIMATELY 0.5 MILE TO THE STATION APPROXIMATELY 25 FEET WEST OF THE PAVED ROAD.

MONUMENT DESCRIPTIONS
[CONTINUED]

9120 – NW CORNER USFS PROPERTY IN S33, T5N, R28W.

FOUND A 1/2 INCH IRON PIPE WITH A TACK AND TAG STAMPED "RCE 4653", PER 61–RS–36, [#8120] THREE INCHES BELOW THE SURFACE, S0°55'13"W, 1.06' FROM SECTION LINE. HELD AS POINT ON NORTH–SOUTH PROPERTY LINE. SET SFSM FLUSH, STAMPED AS SHOWN ON THE MAP SHEET, ON THE SECTION LINE N0°55'13"E, 1.06' FROM FOUND MONUMENT. REMOVED FOUND MONUMENT. SEE SECTION ENTITLED LOCATION OF FEDERALLY OWNED LAND IN SECTION 33, T5N, R28W, SBM, ON SHEET 13 FOR DISCUSSION OF BOUNDARY DETERMINATION IN THIS AREA. FOUND A STEEL 'T' POST TWO FEET SOUTH OF THE NEW MONUMENT. SET A STEEL POST WITH A USFS 54–9 MONUMENT SIGN AND A 54–2 BOUNDARY SIGN 1.5 FEET NORTHEAST OF THE MONUMENT.

TO REACH THE MONUMENT FROM THE INTERSECTION OF CATHEDRAL OAKS ROAD AND PATTERSON AVENUE IN GOLETA, GO NORTH AND WEST ON PATTERSON AVENUE APPROXIMATELY 0.7 MILES TO CAMINO MELENO. GO NORTH ON CAMINO MELENO APPROXIMATELY 500 FEET TO CAMINO RIO VERDE. PROCEED NORTH ON CAMINO RIO VERDE 0.5 MILES TO A GATE ENTRANCE TO CIERVO FARMS. PROCEED NORTH THROUGH THE GATE APPROXIMATELY 0.6 MILES TO THE EAST SIDE OF A DAM, DRIVING ALONG THE BASE OF THE RESERVOIR DAM TO THE TERRACE ROAD FURTHEST UP THE HILL PAST A LARGE OAK. GO SOUTH ALONG THE HIGHEST AVAILABLE TERRACE ROAD APPROXIMATELY 0.3 MILES TO A DIRT ROAD HEADING NORTH UP THE SPINE OF A RIDGE. GO NORTH UP THE SPINE OF THE RIDGE APPROXIMATELY 0.5 MILES TO A 'T' INTERSECTION. THEN GO NORTHWESTERLY APPROXIMATELY 0.2 MILES TO THE STATION. THE STATION IS APPROXIMATELY 10 FEET NORTH OF AND 15 FEET ABOVE THE ROAD.

9121 – SW CORNER USFS PROPERTY IN S33, T5N, R28W.

SEARCHED, NOTHING FOUND, SET SFSM, STAMPED AS SHOWN ON THE MAP SHEET. SEE SECTION ENTITLED LOCATION OF FEDERALLY OWNED LAND IN SECTION 33, T5N, R28W, SBM, ON SHEET 13 FOR DISCUSSION ON BOUNDARY DETERMINATION IN THIS AREA.

TO REACH THE MONUMENT FROM THE INTERSECTION OF CATHEDRAL OAKS ROAD AND PATTERSON AVENUE IN GOLETA, GO NORTH AND WEST ON PATTERSON AVE. APPROXIMATELY 0.7 MILES TO CAMINO MELENO. GO NORTH ON CAMINO MELENO APPROXIMATELY 500 FEET TO CAMINO RIO VERDE. HEAD NORTH ON CAMINO RIO VERDE APPROXIMATELY 0.5 MILES TO A GATE ENTRANCE TO CIERVO FARMS. THEN HEAD NORTH THROUGH THE GATE APPROXIMATELY 0.6 MILES TO THE EAST SIDE OF A DAM. DRIVE NORTHEASTERLY ALONG THE BASE OF THE RESERVOIR DAM TO THE TERRACE ROAD FURTHEST UP THE HILL PAST A LARGE OAK. THEN GO SOUTHERLY, NORTHEASTERLY AND SOUTHERLY ALONG THE HIGHEST AVAILABLE TERRACE ROAD, APPROXIMATELY 0.15 MILE FOLLOWING THE CONTOUR TO THE STATION. THE STATION IS APPROXIMATELY 30 FEET SOUTHEAST OF THE ROAD.

RECORD OF SURVEY

OF THE BOUNDARIES OF THE U.S. FOREST LANDS WITHIN SECTIONS 27, 28, 29, & 33, TOWNSHIP 5 NORTH, RANGE 28 WEST, SAN BERNARDINO MERIDIAN, IN THE COUNTY OF SANTA BARBARA, STATE OF CALIFORNIA

OCTOBER, 2009 – APRIL, 2011

JOHNSON-FRANK & ASSOCIATES, INC.

5150 E. HUNTER AVENUE, ANAHEIM, CA 92807
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SHEET 10 OF 18 SHEETS

MONUMENT DESCRIPTIONS
[CONTINUED]

9122 – SE CORNER USFS PROPERTY IN S33, T5N, R28W.

SET SFSM, STAMPED AS SHOWN ON MAP SHEET, FLUSH WITH SURFACE. SEE LOCATION OF FEDERALLY OWNED LAND IN SECTION 33, T5N, R28W, SBM, ON SHEET 13 FOR DISCUSSION ON BOUNDARY LOCATION IN THIS AREA. FOUND A 1/2 INCH IRON PIPE WITH A TACK AND TAG STAMPED "LS 4653", [POINT #8122] PER 61–RS–36, 1.5 FEET BELOW THE SURFACE, S82°24'52"E, 7.22' FROM CORNER, DID NOT ACCEPT AS CORNER. FOUND A STEEL 'T' POST WITNESS ONE FOOT NORTHWEST OF THE FOUND MONUMENT. SET A STEEL POST WITH A USFS 54–9 MONUMENT SIGN AND A 54–2 BOUNDARY SIGN 1.5 FOOT NORTHWEST OF THE SET MONUMENT.

TO REACH THE MONUMENT FROM THE INTERSECTION OF CATHEDRAL OAKS ROAD AND PATTERSON AVENUE IN GOLETA, GO NORTH AND WEST ON PATTERSON AVE. APPROXIMATELY 0.7 MILES TO CAMINO MELENO. GO NORTH ON CAMINO MELENO APPROXIMATELY 500 FEET TO CAMINO RIO VERDE. HEAD NORTH ON CAMINO RIO VERDE APPROXIMATELY 0.5 MILES TO A GATE ENTRANCE TO CIERVO FARMS. THEN HEAD NORTH THROUGH THE GATE APPROXIMATELY 0.6 MILES TO THE EAST SIDE OF A DAM. DRIVE ALONG THE BASE OF THE RESERVOIR DAM TO THE TERRACE ROAD FARTHEST UP THE HILL PAST A LARGE OAK. THEN GO SOUTHERLY AND EASTERLY ALONG THE HIGHEST AVAILABLE TERRACE ROAD, APPROXIMATELY 0.8 MILE FOLLOWING THE CONTOUR TO THE STATION. THE STATION IS APPROXIMATELY 50 FEET HIGHER THAN THE ROAD AND APPROXIMATELY 50 FEET NORTH OF THE ROAD.

9123 – NE CORNER USFS PROPERTY IN S33, T5N, R28W.

FOUND A 1/2 INCH IRON PIPE WITH A TACK A TAG STAMPED "LS 4653", PER 61–RS–36 AND USFS CORNER CARD V–12, T5N, R28W, FLUSH IN A HILLSIDE, N0°55'13"E, 0.78' FROM SECTION LINE. HELD AS POINT ON NORTHERLY EXTENSION OF THE NORTH SOUTH PROPERTY LINE. SET SFSM FLUSH, STAMPED AS SHOWN ON THE MAP SHEET, ON THE SECTION LINE S0°55'13"W, 0.78' FROM FOUND MONUMENT. FOUND MONUMENT REMOVED AS NEW MONUMENT SET. SEE LOCATION OF FEDERALLY OWNED LAND IN SECTION 33, T5N, R28W, SBM, ON SHEET 13. FOUND A STEEL 'T' POST WITNESS ONE FOOT EAST OF THE MONUMENT. FOUND A BURNED WOOD 2"x 2" FOUR FEET SOUTH OF THE MONUMENT. SET A STEEL POST 1.5 FEET NORTHEAST OF THE MONUMENT WITH A USFS 54–9 MONUMENT SIGN AND A 54–2 BOUNDARY SIGN.

TO REACH THE MONUMENT FROM THE INTERSECTION OF CATHEDRAL OAKS ROAD AND PATTERSON AVENUE IN GOLETA, GO NORTH ON PATTERSON AVENUE TO LA JOSA AVENUE, THEN GO NORTH ON LA JOSA AVENUE APPROXIMATELY 700 FEET TO THE ENTRANCE TO THE BOSIO RANCH. GO NORTH ON THE MAIN ROAD HEADING THROUGH THE MIDDLE OF THE RANCH APPROXIMATELY 0.5 MILE TO THE BOSIO HOUSE, WITH A HORSE CORRAL ON THE WEST SIDE OF THE ROAD. CONTINUE NORTH ON RANCH ROADS USING GPS NAVIGATION TO THE NORTHWEST PART OF THE ORCHARD. HIKE APPROXIMATELY 850 FEET WEST TO THE STATION. CONTACT JUSTIN BOSIO FOR ASSISTANCE.

9124 – QUARTER CORNER S33|S34, T5N, R23W, SBM

SEARCHED, FOUND NOTHING, SET NOTHING. ESTABLISHED POSITION BY GRANT BOUNDARY ADJUSTMENT BETWEEN #8052 TO THE SOUTH AND THE SECTION CORNER TO THE NORTH [#8023] IN THE SAME MANNER AS SHOWN ON R174M.

9125 – POINT ON SECTION LINE S33|S34 PER R61

SEARCHED, FOUND NOTHING. POINT FALLS IN FARM ROAD. SET NOTHING.

9127 – SE CORNER S33 PER R61 AND R174M

SEARCHED, FOUND NOTHING. POINT FALLS IN FARM ROAD. SET NOTHING. SEE BOUNDARY DISCUSSION FOR SOUTH LINE OF SECTION 33 ON SHEET 12 FOR DETAILS ON ESTABLISHMENT OF THIS POINT'S POSITION.

SEE SHEET 1 FOR SURVEYOR'S AND COUNTY SURVEYOR'S STATEMENTS, MONUMENT SYMBOL DESCRIPTIONS, ABBREVIATIONS, BASIS OF BEARINGS, DATUM STATEMENT, AND CONTROL DIAGRAM. SEE SHEETS 2 THROUGH 4 FOR DETAIL SURVEY. SEE SHEET 5 FOR DETAILS OF APPARENT ENCROACHMENTS AND POSSIBLE ALTERNATE LOCATIONS FOR NW/NE/S33. SEE SHEET 6 THROUGH 11 FOR MONUMENT DESCRIPTIONS. SEE SHEET 12 THROUGH 17 FOR HISTORY AND BOUNDARY DISCUSSIONS. SEE SHEET 18 FOR POSITIONAL TABLE, RECORD REFERENCE ABBREVIATIONS AND FOREST SIGNS USED.

MONUMENT DESCRIPTIONS
[CONTINUED]

9131 – QUARTER CORNER S29/S32, T5N, R28W, SBM

SEARCHED, FOUND NOTHING, SET NOTHING. AREA HAS BEEN GRADED FOR ROADWAY. SEARCHED FOR WITNESS MONUMENT SHOWN N81°E, 171.36 ON 85–RS–07, AND FOUND GRADED OUT AND UNUSABLE BY ORCHARD ROAD CONSTRUCTION. ESTABLISHED POSITION BY SINGLE PROPORTION AS DESCRIBED IN THE BLM MANUAL OF SURVEYING INSTRUCTIONS 1973, SECTION 5–31, BETWEEN SECTION CORNERS, #8130 AND #9078, AS SAID CORNERS ARE DESCRIBED ABOVE.

TO REACH FROM POINT 2200 DESCRIBED ABOVE, FOLLOW THE PAVED ROADWAY WESTERLY AND NORTHWESTERLY APPROXIMATELY 300 FEET TO THE APPROXIMATE PI OF A 90° CURVE IN THE PAVED ROAD.

9133 – SOUTHEAST CORNER LOT 2, S28, T5N, R28W

SEARCHED, FOUND NOTHING. SET SFSM, STAMPED AS SHOWN ON THE MAP SHEET, AT CORNER DETERMINED BY SINGLE PROPORTION BETWEEN ACCEPTED SECTION CORNERS #9078 TO THE WEST AND #8023 TO THE EAST. ORIGINAL GLO DIMENSIONS FROM P75 WERE USED AS BASIS FOR PROPORTIONING. TOP OF NEW MONUMENT IS UP 4 INCHES FROM SURROUNDING SURFACE IN A ROCK RING. SET A STEEL POST WITH 54–9 MONUMENT AND 54–2 BOUNDARY SIGNS ONE FOOT NORTHEAST OF THE MONUMENT.

TO REACH THE MONUMENT FROM THE INTERSECTION OF CATHEDRAL OAKS ROAD AND PATTERSON AVE., GO NORTH AND WEST ON PATTERSON AVE. APPROXIMATELY 1 MILE TO CAMINO MANADERO. THEN GO NORTH ON CAMINO MANADERO APPROXIMATELY 0.50 MILE TO GATE ENTRANCE TO CIERVO FARMS. THEN HEAD NORTH ON A PAVED ROAD APPROXIMATELY 0.4 MILE TO A DIRT ROAD HEADING NORTH THROUGH THE ORCHARDS. THEN GO NORTH ON THE DIRT ROAD FOLLOWING A CONSISTENT CONTOUR APPROXIMATELY 0.7 MILES TO A POWER POLE. THEN HIKE DOWN HILL APPROXIMATELY 140 FEET HEADING SOUTHEASTERLY TO THE STATION.

9134 – SW 1/16, S28, T5N, R28W, SBM

SEARCHED, FOUND NOTHING, SET SFSM STAMPED AS SHOWN ON THE MAP SHEET, UP 4 INCHES IN A MOUND OF ROCKS, 18 INCHES AT BASE, 4 INCHES HIGH. SET A WITNESS POST WITH USFS 54–9 AND 54–2 SIGNS, 1.5 FEET NORTHEASTERLY.

TO REACH THE MONUMENT FROM THE INTERSECTION OF CATHEDRAL OAKS ROAD AND PATTERSON AVE., GO NORTH AND WEST ON PATTERSON AVE. APPROXIMATELY 1 MILE TO CAMINO MANADERO. THEN GO NORTH ON CAMINO MANADERO APPROXIMATELY 0.50 MILE TO GATE ENTRANCE TO CIERVO FARMS. THEN HEAD NORTH ON A PAVED ROAD APPROXIMATELY 0.4 MILE TO A DIRT ROAD HEADING NORTH THROUGH THE ORCHARDS. THEN GO NORTH ON THE DIRT ROAD FOLLOWING A CONSISTENT CONTOUR APPROXIMATELY 0.7 MILES TO A POWER POLE ON THE RIGHT, CONTINUE NORTHERLY ON GROVE ROAD, 0.4 MILES TO THE END OF THE RIGHT FORK OF THE ROAD AT A WELL SITE. THEN HIKE UP HILL APPROXIMATELY 250 FEET, USING GPS NAVIGATION TO THE MONUMENT.

9135 – S 1/16, S29|S28, T5N, R28W, SBM

SEARCHED, FOUND NOTHING, SET SFSM STAMPED AS SHOWN ON THE MAP SHEET AT MIDPOINT BETWEEN SECTION CORNER AND QUARTER CORNER. LOWER PORTION OF SFSM SHANK CUT OFF, AND UPPER SHANK AND CAP CEMENTED IN A DRILLED HOLE IN A SOLID SANDSTONE OUTCROP. SET A WITNESS POST WITH USFS 54–9 AND 54–2 SIGNS, 1.5 FOOT NORTHEASTERLY.

TO REACH THE MONUMENT FROM THE INTERSECTION OF CATHEDRAL OAKS ROAD AND PATTERSON AVE., GO NORTH AND WEST ON PATTERSON AVE. APPROXIMATELY 1 MILE TO CAMINO MANADERO. THEN GO NORTH ON CAMINO MANADERO APPROXIMATELY 0.50 MILE TO GATE ENTRANCE TO CIERVO FARMS. THEN HEAD NORTH ON A PAVED ROAD APPROXIMATELY 0.4 MILE TO A DIRT ROAD HEADING NORTH THROUGH THE ORCHARDS. THEN GO NORTH ON THE DIRT ROAD FOLLOWING A CONSISTENT CONTOUR APPROXIMATELY 0.7 MILES TO A POWER POLE. CONTINUE ON SAME ROAD 0.2 MILE TO FORK TO THE RIGHT AND A HARD TURN TO THE LEFT. TURN LEFT, AND FOLLOW THE MAIN GROVE ROAD UP HILL, 0.4 MILE, USING GPS NAVIGATION, TO THE MONUMENT NEAR THE LEFT SIDE OF A CURVE IN THE ROAD.

MONUMENT DESCRIPTIONS
[CONTINUED]

9139 – C–E 1/16, S28, T5N, R28W, SBM

SEARCHED, FOUND NOTHING, SET SFSM STAMPED AS SHOWN ON THE MAP SHEET. LOWER PORTION OF SFSM SHANK CUT OFF, AND UPPER SHANK AND CAP CEMENTED INTO A DRILLED HOLE IN A SANDSTONE BOULDER, 4' X 5' X 5' HIGH. SET A WITNESS POST WITH USFS 54–9 AND 54–2 SIGNS, 2.5 FEET EASTERLY.

TO REACH THE MONUMENT FROM THE INTERSECTION OF ROUTE 154 AND NORTH SAN MARCOS ROAD, NORTH OF GOLETA, GO SOUTH ON NORTH SAN MARCOS ROAD APPROXIMATELY ONE MILE TO A DIRT ROAD HEADING WEST. GO WEST AND DOWN HILL APPROXIMATELY 0.6 MILE TO A BRIDGE CROSSING AT SAN JOSE CREEK. CONTINUE WESTERLY AND UP HILL APPROXIMATELY 0.7 MILE TO A DIRT DRIVEWAY HEADING EAST. THEN CONTINUE WEST ON A DIRT ROAD APPROXIMATELY 0.3 MILE TO END OF ROAD. HIKE WESTERLY APPROXIMATELY 900 FEET USING GPS NAVIGATION TO THE THE MONUMENT.

9140 – SE 1/16, S28, T5N, R28W, SBM

SEARCHED, FOUND NOTHING, SET SFSM STAMPED AS SHOWN ON THE MAP SHEET, UP 4 INCHES IN MOUND OF ROCKS, 18 INCHES AT BASE, 4 INCHES HIGH. SET A WITNESS POST WITH USFS 54–9 AND 54–2 SIGNS 1.5 FOOT SOUTHWESTERLY.

TO REACH FROM POINT 9139 ABOVE, HIKE SOUTHERLY .24 MILES, USING GPS NAVIGATION TO THE MONUMENT. IT APPEARS THERE IS AN OLD ROAD THAT APPROACHES THIS CORNER FROM THE EAST, BUT IS OVERGROWN, AND THE BRIDGE ACROSS THE CREEK IS BURNED DOWN AT THE TIME OF THIS SURVEY.

9143 – 1/4 CORNER S27|S26, T5N, R28W, SBM

FALLS IN DEEP GORGE, JUST SOUTHWEST AND OUT OF THE CREEK BED. NO RECORD OF ANYTHING EVER BEING FOUND OR SET AT THIS LOCATION. SET A SFSM STAMPED AS SHOWN ON THE MAP SHEET, UP 4 INCHES IN A MOUND OF ROCKS, 18 INCHES AT BASE, 4 INCHES HIGH. SET A WITNESS POST WITH USFS 54–9 AND 54–2 SIGNS 1.5 FEET NORTHERLY. ESTABLISHED LOCATION BY SINGLE PROPORTION BETWEEN THE WITNESS CORNER [#8028] TO THE SOUTH AND THE NORTHEAST CORNER OF SECTION 27 [#9026] IN CONFORMANCE WITH SECTION 5–17 OF THE 1973 MANUAL OF SURVEYING INSTRUCTIONS, ALONG WITH SECTION 6–27 OF THE 2009 MANUAL OF SURVEYING INSTRUCTIONS. NOTE: THE LOCATION OF THIS 1/4 CORNER AS SHOWN ON R174B ESTABLISHED CONTRARY TO FEDERAL LAW OF FEBRUARY 11, 1805, ALL BLM MANUALS AND STANDARD PRACTICE BY HOLDING RECORD DISTANCE FROM THE WITNESS CORNER AND PRODUCING LINE THROUGH THE WITNESS CORNER FROM THE SOUTHEAST CORNER OF THE SECTION [#8029], FALLS N07°20'13"W, 21.51' FROM THE LEGALLY POSITIONED QUARTER CORNER LOCATION AND ALSO FALLS 3.22' WEST OF THE SECTION LINE.

ESTABLISHED BT AT 16" OAK, N 60° W TB, 15.0 FEET. SET SCRIBED USFS 54–3 SIGN ON TREE. SET SPIKE AND SFSW MEASURING POINT ON NORTHEAST SIDE OF TREE.

ESTABLISHED BT AT 10" OAK, S 23° E TB, 29.8 FEET. SET SCRIBED USFS 54–3 SIGN ON TREE. SET SPIKE AND SFSW MEASURING POINT ON NORTHEAST SIDE OF TREE.

TO REACH THE MONUMENT FROM THE INTERSECTION OF ROUTE 154 AND NORTH SAN MARCOS ROAD, NORTH OF GOLETA, GO SOUTH ON NORTH SAN MARCOS ROAD APPROXIMATELY 0.1 MILE TO A TRAIL HEAD ON THE LEFT SIDE OF THE ROAD. HIKE SOUTHERLY ALONG THE TRAIL AND RIDGE TOP, ABOUT 0.4 MILE TO A POINT SOUTHWESTERLY OF THE MONUMENT, THEN USING GPS NAVIGATION, WORK DOWN A STEEP NORTHEASTERLY FACING SLOPE THROUGH HEAVY BRUSH ABOUT 300 FEET TO THE MONUMENT.

9165 – PROPORTIONED SOUTH 1/4 CORNER, S33, T5N, R28W, SBM

POINT FALLS IN GRADED 1961 HILLSIDE SUBDIVISION. THERE IS NO POSSIBILITY THAT THE ORIGINAL 1873 CORNER MONUMENT COULD HAVE SURVIVED, AND WE FIND NO RECORD OF IT BEING SEEN SINCE 1873. COMPUTED LOCATION BY SINGLE PROPORTION BETWEEN THE COMPUTED SOUTHEAST AND SOUTHWEST CORNERS OF SECTION 33. POSITION COMPUTED ON LATITUDINAL CURVE SINCE IT IS ON THE TOWNSHIP LINE.

9166, 9167, 9168, 9169, 9170, 9171 – COMPUTED S33 BREAKDOWN POINTS

NOTHING FOUND OR SET. COMPUTED BY INTERSECTION AND SINGLE PROPORTION IN CONFORMANCE WITH THE MANUAL OF 2009 AND THE PAMPHLET "RESTORATION OF LOST OR OBLITERATED CORNERS AND SUBDIVISION OF SECTIONS".

MONUMENT DESCRIPTIONS
[CONTINUED]

9301 – S 1/4 CORNER, S28, T5N, R28W, SBM

SEARCHED, FOUND NOTHING, AT QUARTER CORNER LOCATION DETERMINED BY SINGLE PROPORTION BETWEEN ACCEPTED SECTION CORNERS #9078 TO THE WEST AND #8023 TO THE EAST. ORIGINAL GLO DIMENSIONS FROM P75 WERE USED AS BASIS FOR PROPORTIONING. SET NOTHING. SEE SECTION ENTITLED COMMON LINE, SECTION 33 & SECTION 28 ON SHEETS 12 & 13.

SEE #9120 ABOVE FOR TO REACH DESCRIPTION.

18042 – APPARENT CONTROL POINT FROM R174B SURVEY

FOUND A MAG NAIL AND ALUMINUM WASHER STAMPED "MNS INC. BERG LS 6318" IN THE EAST FACE OF A LARGE (11'N X 6'E X 3.5' HIGH) SANDSTONE BOULDER, NO REFERENCE. MONUMENT FALLS S87°45'48"E 0.12' FROM PL AS DETERMINED BY THIS SURVEY.

TO REACH THE MONUMENT FROM THE INTERSECTION OF ROUTE 154 AND SAN MARCOS ROAD, GO SOUTH ON NORTH SAN MARCOS ROAD APPROXIMATELY 1 MILE TO A DIRT ROAD HEADING WEST. THEN GO WEST AND DOWN HILL APPROXIMATELY 0.60 MILES TO A BRIDGE CROSSING AT A THE SAN JOSE CREEK. THEN CONTINUE WESTERLY AND UP HILL APPROXIMATELY 0.60 MILES TO THE STATION APPROXIMATELY 40' SOUTH OF THE SOUTH EDGE OF THE DIRT ROAD.

29021 – TWO FOOT WITNESS MONUMENT TO 1/4 S22/S27

SET SFSM, STAMPED AS SHOWN ON THE MAP SHEET, ALONG THE SECTION LINE, S88°43'15"E, 2.00 FEET FROM THE POSITION OF THE COMMON QUARTER CORNER TO SECTIONS 22 AND 27 [#9021]. TOP OF MONUMENT IS UP 2 INCHES IN A ROCK RING. SET A STEEL POST WITH A 54–9 MONUMENT AND 54–2 BOUNDARY SIGNS ONE FOOT NORTH OF THE MONUMENT. SET A 54–5 K–TAG ON A 24" OAK TREE 50 FEET SOUTH OF HWY 154 MARKED FOR THE CORNER LOCATION.

TO REACH FROM THE INTERSECTION OF ROUTE 154 AND NORTH SAN MARCOS ROAD, GO SOUTH ON NORTH SAN MARCOS ROAD APPROXIMATELY 0.2 MILES TO THE ENTRANCE TO THE "SAN MARCOS TROUT CLUB". THEN GO NORTHWEST APPROXIMATELY 0.2 MILES TO A RESIDENCE MAP BOARD. DRIVE TO CABIN #38 AT THE NORTH AND CENTER OF COMMUNITY. HEAD NORTH AND THEN WEST ON AN EDISON ACCESS ROAD AROUND CABIN #38 APPROXIMATELY 1000 FEET TO THE END OF THE ROAD. HIKE WEST ON A CUT TRAIL APPROXIMATELY 160 FEET USING GPS NAVIGATION TO THE STATION. THE STATION IS AT THE BASE OF A FIBERGLASS POWER POLE.

29022 SECTION CORNER TO S23, S24, S25, S26, T5N, R28W, SBM

FOUND A 20X14X12 ROCK LYING ON ITS SIDE, WITH TWO CHISELED GROOVES ON ONE EDGE AND ONE ON ANOTHER. ALSO WAS CHISELED "S23 S24 S25 S26" ON THE FOUR SIDES. ALSO FOUND A MOUND OF ROCKS TO THE SOUTHEAST. SET A SPIKE AT WHAT APPEARED TO BE THE LOCATION OF THE ORIGINAL BASE OF THE STONE. RESET THE STONE OVER THE SPIKE, AND BUILT A NEW STONE MOUND TO HOLD IT IN PLACE. ACCEPTED THE STONE AS THE SECTION CORNER DESCRIBED BY F. F. FLOURNOY IN HIS 1900 NOTES 392–6, PAGE 19 AS "SANDROCK 20 X 14 X 14 INS. IN THE GROUND FOR COR. ?MARKED WITH 1 NOTCH ON E. AND 2 NOTCHES ON S. EDGES. RAISED MOUND OF ROCKS 3 FT. BASE 2 FT. HIGH SE. OF COR. AS W. OF COR. IS IMPRACTICABLE PLACE FOR MOUND OF ROCKS."

SAME 'TO REACH' DESCRIPTION AS #9091 ABOVE, EXCEPT POINT IS ABOUT 700 FEET NORTHEASTERLY FROM END OF ROAD.

RECORD OF SURVEY

OF THE BOUNDARIES OF THE U.S. FOREST LANDS WITHIN SECTIONS 27, 28, 29, & 33, TOWNSHIP 5 NORTH, RANGE 28 WEST, SAN BERNARDINO MERIDIAN, IN THE COUNTY OF SANTA BARBARA, STATE OF CALIFORNIA

OCTOBER, 2009 – APRIL, 2011

JOHNSON-FRANK & ASSOCIATES, INC.

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SHEET 11 OF 18 SHEETS

HISTORY AND BOUNDARY DISCUSSION

ORIGINAL SURVEYS, SECTIONS 27, 28, 29, & 33, T5N, R28W, SBM:

1858 – RALPH W. NORRIS, DEPUTY SURVEYOR, IN HIS GLO NOTES 207–3, RUNS A PORTION OF THE SOUTH LINE OF THE TOWNSHIP, WHICH INCLUDES THE SOUTH LINE OF OUR SECTION 33, SETTING THE ORIGINAL CORNER MONUMENTS FOR THE SOUTH LINE OF THAT SECTION, AT 40 AND 80 CHAINS. HE THEN RUNS NORTH ON AN OFFSET LINE FROM A POINT ON THE SOUTH LINE OF THE TOWNSHIP WHICH IS 51 CHAINS WEST OF THE SOUTHEAST CORNER OF SECTION 33. HIS SURVEY DOES NOT RETURN TO A SECTIONAL LINE UNTIL HE REACHES A POINT 28 CHAINS NORTH OF THE NORTHWEST CORNER OF OUR SECTION 28. RESULTS OF THIS SURVEY ARE SHOWN ON THE PLAT FOR T5N, R28W, SBM, APPROVED MAY 5TH, 1873.

1873 – WILLIAM H. NORWAY, DEPUTY SURVEYOR, IN HIS GLO NOTES 166–28, RUNS A RANDOM LINE NORTH FROM THE SOUTHWEST CORNER OF SECTION 33, FOR 3.5 MILES, TO A POINT TO WHICH HE CAN GO NO FARTHER DUE TO MOUNTAINOUS TERRAIN, FINDING NO TRACE OF THE NORRIS 1858 CORNERS. AT THAT POINT, HE RETURNS SOUTH ON A "NEW" LINE, SETTING THE CORNERS FOR THE WEST LINES OF OUR SECTIONS 28 AND 33. IN THIS SURVEY, HE ALSO PERFORMS ALL THE ORIGINAL SURVEY AND MONUMENTATION OF OUR SECTION 29. RESULTS OF THIS SURVEY ARE SHOWN ON THE PLAT FOR T5N, R28W, SBM, APPROVED APRIL 23, 1875.

1873 – WILLIAM H. NORWAY, DEPUTY SURVEYOR, IN HIS GLO NOTES 166–30, RUNS AND SETS THE ORIGINAL MONUMENTS FOR THE EAST LINE OF OUR SECTION 33, AND THE SOUTH LINE OF OUR SECTION 27. HE RUNS AND MONUMENTS THE SOUTH LINE OF OUR SECTION 28 CLOSING INTO HIS PREVIOUS CORNER FOR SECTIONS 27/28/33/34 SET IN GLO NOTES 166–28 ABOVE, AT 78.86 CHAINS, MAKING SECTION 28 A NON-STANDARD SECTION WITH LOTTING ALONG THE WEST SIDE. IN THIS SURVEY, NORWAY RUNS THE WEST LINE OF OUR SECTION 27 NORTH 63 CHAINS TO A TERMINATION AT AN ONLINE WITNESS CORNER, AND THE EAST LINE OUR SECTION 27 NORTH 38.76 CHAINS TO A TERMINATION AT AN ONLINE WITNESS CORNER. RESULTS OF THIS SURVEY ARE SHOWN ON THE PLAT FOR T5N, R28W, SBM, APPROVED APRIL 23, 1875.

1873 – WILLIAM H. NORWAY, DEPUTY SURVEYOR, IN HIS GLO NOTES 166–31, RUNS THE SOUTH LINE OF T5N, R28W, INCLUDING RERUNNING THE SOUTH LINE OF OUR SECTION 33. HE DOES NOT FIND NORRIS' 1858 SOUTHEAST CORNER OF SECTION 33 OR THE QUARTER CORNER OF S33/S4, BUT DOES FIND NORRIS' 1858 SOUTHWEST CORNER OF SECTION 33, AND CLOSSES IN TO IT FINDING THE SOUTH LINE OF THE SECTION LINE TO BE 74.00 CHAINS. APPARENTLY THE 80 CHAINS SHOWN IN THE 1858 NORRIS SURVEY AND THE 1873 PLAT, WAS SUPERSEDED. HE SETS A QUARTER CORNER MONUMENT AT 40 CHAINS FROM THE SOUTHEAST CORNER OF THE SECTION. RESULTS OF THIS SURVEY ARE SHOWN ON THE PLAT FOR T5N, R28W, SBM, APPROVED APRIL 23, 1875.

1891 – JOHN K. HARRINGTON, DEPUTY SURVEYOR, IN HIS GLO NOTES 216–1, NOT BEING ABLE TO FIND NORWAY'S 1873 MONUMENT FOR THE SOUTHEAST CORNER OF SECTION 27, OR THE WITNESS CORNER SET BY NORWAY SOUTH OF THE EAST 1/4 CORNER OF SECTION 27, STARTS AT THE EAST 1/4 CORNER OF SECTION 34, AND RUNS NORTH 40 CHAINS, AND INDICATES "TO COR. SECS. 26–27–34 AND 35 AS THIS COR. IS ALMOST DESTROYED I REBUILD THE SAME BY SETTING A REDWOOD STAKE 4 X 4 INS....". HARRINGTON THEN CONTINUES "NORTH", SETTING A NEW WITNESS CORNER FOR THE EAST QUARTER CORNER OF SECTION 27, AND SETTING THE ORIGINAL CORNER FOR THE NORTHEAST CORNER OF SECTION 27. HARRINGTON SAYS HE FINDS NORWAY'S ONLINE WITNESS CORNER STONE ALONG THE WEST LINE OF SECTION 27, AND CONTINUES "NORTH ON LINE BETWEEN SECS. 27 AND 28" 17 CHAINS TO SET THE ORIGINAL NORTHWEST CORNER MONUMENT OF OUR SECTION 27 AT THE LOCATION "WITNESSED" BY NORWAY'S SURVEY OF 1873. HARRINGTON THEN RUNS THE NORTH LINE OF SECTION 27, ESTABLISHING THE ORIGINAL QUARTER CORNER LOCATION AT MIDPOINT, AND MARKING AN IN-PLACE BOULDER FOR A WITNESS CORNER 1.25 CHAINS EAST OF THE QUARTER CORNER LOCATION. RESULTS OF THIS SURVEY ARE SHOWN ON THE PLAT FOR T5N, R28W, SBM, APPROVED OCTOBER 23, 1900.

1900 – FRANK J. FLOURNOY, DEPUTY SURVEYOR, IN HIS GLO NOTES 392–6, RUNS THE NORTH LINE OF SECTION 28 BETWEEN THE CORNER TO SECTIONS 21,22,27,28 SET BY J.K. HARRINGTON IN HIS GLO NOTES 216–1 AND THE CORNER TO SECTIONS 20,21,28,29 SET BY W.H. NORWAY IN GLO NOTES 166–28 ABOVE, FINDING THE DISTANCE TO BE 73.90 CHAINS, AND SETS THE NORTH 1/4 CORNER OF SECTION 28 AT 40 CHAINS FROM THE NORTHEAST CORNER OF THE SECTION. RESULTS OF THIS SURVEY ARE SHOWN ON THE PLAT FOR T5N, R28W, SBM, APPROVED OCTOBER 23, 1900.

HISTORY AND BOUNDARY DISCUSSION
[CONTINUED]

RETRACEMENT SURVEYS:

EAST LINE OF SECTION 33:

1917 – F.F. FLOURNOY, R.E. 420, NOW ACTING AS A PRIVATE ENGINEER, NOT AS A U.S. DEPUTY SURVEYOR, PERFORMS A SURVEY OF A PORTION OF SECTION 34, SHOWN ON MAPS AND SURVEYS BOOK 11, PAGE 140. HE INDICATES THAT HE FINDS IRON PIPE FOR THE SE CORNER, THE EAST QUARTER CORNER, AND THE NORTHEAST CORNER OF OUR SECTION 33, ALONG WITH THE SOUTH QUARTER CORNER OF OUR SECTION 27. HE DOES NOT INDICATE WHERE, WHEN, OR HOW THE PIPES REPLACED THE ORIGINAL CORNERS. SOME CORNERS HE SIMPLY INDICATES ARE IRON PIPE, BUT IT IS NOT CLEAR IF HE IS FINDING THEM OR SETTING THEM. HE DOES SHOW ONE BEARING TREE AT THE EAST QUARTER CORNER OF SECTION 33 THAT GENERALLY MATCHES NORWAY'S 1873 SURVEY IN GLO NOTES 166–30 WHICH MIGHT INDICATE FLOURNOY IS IN THE ORIGINAL LOCATION, AT LEAST AT THAT POINT.

1960 – EDWARD H. WAIT, R.E. 4653, PERFORMING SURVEYS FOR RANCHO DEL CIERVO IN SECTIONS 28 & 33, AND OTHER LANDS TO THE SOUTH, AS SHOWN OF 61–RS–36. HE FINDS FLOURNOY'S MONUMENTS FOR THE EAST QUARTER CORNER OF SECTION 33, AND FOR THE NORTHEAST CORNER OF SECTION 33 AND ACCEPTS THEM FOR CONTROL FOR THE SECTION LINE.

2006 – MICHAEL R. MCGEE, PLS 3945, PERFORMING A SURVEY IN SECTION 34, AS SHOWN ON 174–RS–6&7, FINDS THAT FLOURNOY'S QUARTER CORNER HAD BEEN DESTROYED, BUT FINDS A FLOURNOY MONUMENT 889' SOUTH OF THE QUARTER CORNER, AND FLOURNOY'S MONUMENT AT THE COMMON CORNER OF SECTIONS 27/28/33/34, ACCEPTS THEM AS MARKING THE SECTION LINE, AND COMPUTES THE MISSING QUARTER CORNER USING THE GRANT BOUNDARY ADJUSTMENT PROCEDURE.

IN OUR CURRENT SURVEY, WE FIND THE SAME MONUMENTS SHOWN ON THE MCGEE 2006 SURVEY. ACCEPT THEM AS DEFINING THE SECTION LINE, AND COMPUTE THE MISSING QUARTER CORNER USING THE SAME PROCEDURE AS THE MCGEE 2006 SURVEY. SEE THE SECTION ENTITLED "SOUTH LINE OF SECTION 33" BELOW FOR DETAILS ON LOCATION OF THE SOUTH END OF THIS LINE AT THE CORNER TO SECTIONS 33/34/3/4

WEST LINE OF SECTION 33:

1919 – F.F. FLOURNOY, RCE 420, ACTING AS A PRIVATE ENGINEER, NOT AS A US DEPUTY SURVEYOR, PERFORMS A SURVEY SHOWN IN 12–MB–22, FOR THE EL SUENO RANCH, WHICH APPEARS TO GO ALONG THE WEST LINE OF OUR SECTION 33, OR AT LEAST IN THE AREA OF THAT LINE, BUT THE MAP DOES NOT MAKE ANY SECTIONAL CALLS OR DESIGNATIONS IN ANY WAY. THE MAP SHOWS A '2" PIPE' AT A GENERALLY SQUARE CORNER, AND N0°02'W, 2455.7' OF THAT PIPE, SHOWS ANOTHER 2 INCH PIPE. OUR CURRENT SURVEY HAS FOUND THE NORTHERLY 1919 PIPE WHICH IS SHOWN HEREON AS #9119. THAT PIPE IS SHOWN AS BEING 165.0' SOUTH OF A "FENCE" ON 12–MB–22.

1944 – C.L. LAURABEE, LS 1954, PERFORMING SURVEYS IN SECTION 32, AS SHOWN ON 27–RS–41, FINDS THE MONUMENTS SHOWN BY FLOURNOY AT THE BOTH ENDS OF FLOURNOY'S LINE OF 2455.70', HOLDS THEM FOR LINE, AND EXTENDS FLOURNOY'S LINE NORTH, FINDING A 3/4" PIPE 165.00' NORTH OF FLOURNOY'S NORTHERLY MONUMENT. OUR CURRENT SURVEY DOES NOT FIND THIS LATTER PIPE. LAURABEE CONTINUES NORTH AND SETS A PIPE WITH HIS LS 1954 TAG AT THE NORTH END OF HIS LINE 2472.20' NORTH OF FLOURNOY'S MOST NORTHERLY MONUMENT. LAURABEE SHOWS NOTATIONS OF "SEC 32" AND "SEC 33" ON EITHER SIDE OF THE LINE, BUT DOES NOT SPECIFICALLY NOTE HIS LINE AS BEING THE SECTION LINE. HE NOTES THAT HIS LINE IS "AVERAGE FENCE LINE". OUR CURRENT SURVEY EFFORT MADE A SEARCH FOR LAURABEE'S MOST NORTHERLY MONUMENT, BUT IT HAS BEEN DESTROYED.

1960 – EDWARD H. WAIT, R.E. 4653, PERFORMS SURVEYS FOR RANCHO DEL CIERVO IN SECTION 28 & 33, AND OTHER LANDS TO THE SOUTH, AS SHOWN OF 61–RS–36. HE FINDS FLOURNOY'S NORTHERLY MONUMENT [#9119]. WAIT SHOWS A LINE RUNNING SOUTH OF THIS MONUMENT WITH FLOURNOY'S 1919 RECORD COURSE AND DISTANCE OF N0°02'W 2455.7' TO POINT WHICH HE LABELS AS THE CORNER TO SECTIONS 32,33,4,5. WAIT FINDS THE 3/4" PIPE SHOWN BY LAURABEE 165.00' NORTH OF FLOURNOY'S NORTHERLY PIPE AND APPARENTLY ACCEPTS IT AS THE COMMON QUARTER CORNER TO S32|S33, BUT DOES NOT LABEL AS SUCH. WAIT FINDS A 3/4" PIPE 2471.93' NORTH OF FLOURNOY'S MONUMENT (PROBABLY LAURABEE'S PIPE). HE THEN EXTENDS LAURABEE'S LINE 333.07', MAKING IT 2640.00' FROM THE 3/4" PIPE 165.00' NORTH OF FLOURNOY'S NORTHERLY MONUMENT. WAIT SETS HIS 1/2" PIPE WITH HIS TAG AT THIS LOCATION AND USES IT AS THE COMMON CORNER TO SECTIONS 28/29/32/33.

HISTORY AND BOUNDARY DISCUSSION
[CONTINUED]

1975 – ROLAND I. GROOM, L.S. 3253, PERFORMING A SURVEY IN SECTION 32 FOR GOLETA CEMETERY DISTRICT, FINDS THE MOST NORTHERLY FLOURNOY 1919 MONUMENT [#9119], AND THE LAURABEE 1944 MONUMENT 2471' NORTHERLY, AND LABELS A LINE EXTENDING SOUTHERLY FROM THE FLOURNOY MONUMENT AS "LINE BETWEEN SEC. 32 & 33, T5N, R28W PER BK 61 PG 36, R/S". SOMEBODY FINALLY STEPS UP AND CALLS THIS LINE THE SECTION LINE!

A LONG WAYS FROM CLASSIC CADASTRAL PROCEDURE, HOWEVER, THE MONUMENT SET BY FLOURNOY IN 1919, AND THE MONUMENTS SET BY LAURABEE IN 1944, AND THE MONUMENTS SET BY WAIT IN 1960 HAVE DEFINED A LINE FOR 50+ YEARS, AND THAT LINE HAS BEEN ACCEPTED BY THE OTHER SURVEYS IN THE AREA, AND LIVED TO BY THE PROPERTY OWNERS. WITH SUCH PRECEDENT, WE ACCEPT THIS LINE AS MONUMENTED BY FLOURNOY, LAURABEE, AND WAIT AS THE SECTION LINE BY COMMON REPORT FOR THE CURRENT SURVEY.

2009–2011 – OUR CURRENT SURVEY FINDS ONLY THE NORTHERLY 1919 FLOURNOY MONUMENT, AND ONE MONUMENT [#8117] FROM THE 1960 WAIT SURVEY STILL EXIST ALONG THIS SECTION LINE. WE RESET THE SECTION CORNER TO THE NORTH AS DESCRIBE IN THE MONUMENT DESCRIPTION FOR #9078. WE FIND AN UNTAGGED PIPE 339.08' SOUTHEAST OF #8117. THE WAIT 1960 SURVEY SHOWS SETTING A MONUMENT TAGGED RCE 4653 IN THIS AREA, BUT THE PIPE WE FIND TODAY DOES NOT HAVE A TAG, AND DOES NOT MATCH WAIT'S LOCATION BY 0.3' RELATIVE TO #8117. THIS MONUMENT DOES, HOWEVER, FIT ON AN EAST–WEST CENTERLINE OF S33 IF WE HOLD WAIT'S DISTANCE OF 330.00' ALONG THE CENTERLINE FROM HIS MONUMENT [#8117] TO ESTABLISH THE 1/4 CORNER S32|S33. WE HOLD WAIT'S LOCATION FOR THIS 1/4 CORNER FOR LACK OF A BETTER LOCATION. THIS PRECEDURE GENERALLY MATCHES THE LOCATION FOR THE 1/4 CORNER AS SHOWN, BUT NOT LABELED AS SUCH, ON 32–PM–56 [1983].

SOUTH LINE OF SECTION 33:

SEE DISCUSSIONS FOR "EAST LINE OF SECTION 33" AND "WEST LINE OF SECTION 33", ABOVE.

AS MENTIONED ABOVE IN THE DISCUSSION OF THE "WEST LINE OF SECTION 33", F. F. FLOURNOY, IN 1919 ON 12–M&S–22 SHOWS SETTING A PIPE AND BRASS CAP MONUMENT AT A SQUARE CORNER. IN 1944, LAURABEE, ON 27–RS–41 INDICATES "FOUND 2" PIPE MON" AND LABELS IT "SEC. CORNER". WAIT, IN 1960, ON 61–RS–36, CALLS OUT THAT SQUARE CORNER AS THE CORNER TO SECTIONS 32,33,4,5. THAT LOCATION IS NOW WITHIN THE FOOTPRINT OF A HOUSE ON A LOT CREATED IN 1996 BY TRACT 14,304, 181–MB–90. THAT MAP'S BOUNDARY WAS NOT DEPENDENT ON THIS SECTIONAL CORNER, AND MAKES NO TIES OR REFERENCE TO THE CORNER MONUMENT, PRIOR TO ITS DESTRUCTION.

AS DISCUSSED ABOVE UNDER "WEST LINE OF SECTION 33", WE HAVE LOCATED ONE OF FLOURNOY'S 1919 MONUMENTS FROM THIS SURVEY 2456 FEET NORTH OF THE SECTION CORNER LOCATION. WE MADE A SEARCH FOR OTHER FLOURNOY 1919 MONUMENTS IN THIS AREA FROM 12–M&S–22. WE FOUND AND POSITIONED FOUR ADDITION FLOURNOY 1919 MONUMENTS. USING THE 1919 RECORD DATA, WE COMPUTED TIES TO THE MISSING SECTION CORNER MONUMENT. USING FIELD EVIDENCE, AND LEAST SQUARES, WE DETERMINED WHICH 1919 MONUMENTS FIT, AND WHICH MONUMENTS APPEAR TO HAVE BEEN MOVED IN THE LAST 92 YEARS. WE HAVE BEEN ABLE TO COMPUTE A LOCATION FOR THE 1919 FLOURNOY CORNER, INDICATED BY LAURABEE AND WAIT AS THE SECTION CORNER, TO A 95% CONFIDENCE OF ABOUT 0.19 FOOT. DOES IT REALLY REPRESENT THE ORIGINAL SOUTHWEST CORNER OF S33? WE ONLY KNOW THAT LAURABEE AND WAIT SAID IT DID IN 1944 AND 1960.

SEE SHEET 1 FOR SURVEYOR'S AND COUNTY SURVEYOR'S STATEMENTS, MONUMENT SYMBOL DESCRIPTIONS, ABBREVIATIONS, BASIS OF BEARINGS, DATUM STATEMENT, AND CONTROL DIAGRAM. SEE SHEETS 2 THROUGH 4 FOR DETAIL SURVEY. SEE SHEET 5 FOR DETAILS OF APPARENT ENCROACHMENTS AND POSSIBLE ALTERNATE LOCATIONS FOR NW/NE/S33. SEE SHEET 6 THROUGH 11 FOR MONUMENT DESCRIPTIONS. SEE SHEET 12 THROUGH 17 FOR HISTORY AND BOUNDARY DISCUSSIONS. SEE SHEET 18 FOR POSITIONAL TABLE, RECORD REFERENCE ABBREVIATIONS AND FOREST SIGNS USED.

HISTORY AND BOUNDARY DISCUSSION
[CONTINUED]

AT THE SE CORNER OF S33, F. F. FLOURNOY SHOWS A 3/4 INCH PIPE ON 11–M&S–140 [1917]. FLOURNOY ALSO SHOWS SOME ADDITIONAL MONUMENTATION ALONG THE S33|S34 LINE. IN 1960, WAIT, ON 61–RS–36, SHOWS FINDING SOME MONUMENTATION FROM THE FLOURNOY SURVEY, AND RESETTING THE CORNER USING FLOURNOY RECORD DISTANCES AND ANGLES. IN 2006, MICHAEL MCGEE MADE A SURVEY IN SECTION 34, 174–RS–06, SHOWING ALL MONUMENTATION IN THE SOUTHERLY 1750' OF THE S33|S34 LINE TO BE GONE. MCGEE DOES SHOW FINDING THE CORNER TO SECTION 28,27,33,34 AND A PIPE FROM FLOURNOY'S 1917 11–M&S–140, 3529 FEET SOUTHERLY FROM THE CORNER OF SECTIONS 27,28,33,34. WE FIND THE SAME MONUMENTATION AS DOES MCGEE. THE SOUTHERLY PORTION OF THIS SECTION LINE IS WITHIN A FARM ROAD, AND ALL HISTORIC MONUMENTATION IS DESTROYED, AND WOULD BE AGAIN IF RESET. WE FIT MCGEE'S SURVEY VERY WELL, INCLUDING THE LONG TIES TO CORS STATIONS RCA2 AND COPR. WE HAVE COMPUTED THE SOUTHEAST CORNER OF S33 FROM MCGEE'S 2006 SURVEY BY THE RELATION TO THE TWO MONUMENTS ALONG THE SECTION LINE THAT MCGEE SHOWS. WE HAVE ALSO COMPUTED RECORD TIES FROM MCGEE'S RECORD OF SURVEY TO CORS RCA2 AND COPR. OUR COMPUTED LOCATION MATCHES THOSE 30,000 FOOT LONG COMPUTED MCGEE TIES TO THE SAME 0.1 SECOND IN BOTH DIRECTIONS, THE SAME 0.01 FOOT TO COPR AND MISSES BY ONLY 0.01 FOOT TO RCA2. WE ARE CONFIDENT THAT WE HAVE THIS CORNER POSITIONED VERY PRECISELY WHERE MCGEE SAYS IT WAS USING WAIT'S 1960 DATA. THIS APPEARS TO BE A RELIABLE CORNER LOCATION IN THAT IT CAN BE TRACED BACK TO FLOURNOY'S 1917 SURVEY, 11–M&S–140.

THE SOUTH 1/4 CORNER OF S33 IS WITHIN A GRADED HILLSIDE SUBDIVISION, TRACT 10145, 57–MB–27 FROM 1961. THERE IS NO POSSIBILITY THAT THE QUARTER CORNER SURVIVED THE 1961 CONSTRUCTION IN THIS AREA. THE TRACT MAP MAKES NO REFERENCE TO ANY OF THE SECTIONAL CONTROL ALONG THE SOUTH LINE OF S33, INCLUDING THE S 1/4 S33. WE HAVE COMPUTED A POSITION FOR THIS 1/4 CORNER BY SINGLE PROPORTION ALONG THE LATITUDINAL ARC BETWEEN THE POSITIONS FOR THE SOUTHWEST AND SOUTHEAST CORNERS OF S33 AS DESCRIBED ABOVE. DUE TO THE UNKNOWN RELIABILITY OF THE SOUTHWEST CORNER S33, THE RELATION OF THIS 1/4 CORNER LOCATION TO THE ORIGINAL 1873 LOCATION, ALSO HAS THE SAME UNKNOWN RELIABILITY.

COMMON LINE, SECTION 33 & SECTION 28:

1960 – EDWARD H. WAIT, R.E. 4653, PERFORMED SURVEYS FOR RANCHO DEL CIERVO IN SECTION 28 & 33, AND OTHER LANDS TO THE SOUTH, AS SHOWN OF 61–RS–36. AS DESCRIBED ABOVE, HE "CREATES" A CORNER FOR THE NORTHWEST CORNER OF SECTION 33 AND FINDS A 1917 FLOURNOY MONUMENT FOR THE NORTHEAST CORNER OF THAT SECTION. HE RUNS THE NORTH LINE OF SECTION 33, AS A STRAIGHT LINE BETWEEN THE SECTION CORNERS, NOT MENTIONING THE QUARTER CORNER. HE INDICATES A DISTANCE OF 4828.43', 46.4' SHORTER THAN THE 4874.8' [73.86 CHAINS] RETURNED BY W.H. NORWAY IN HIS 1873 GLO NOTES 166–30, PAGE 18. THIS, AT FIRST SEEMED TO BE A REASONABLE DISTANCE COMPARISON TO THE 1873 RECORD, HOWEVER, AS DESCRIBED IN THE SECTION HEADED "COMMON LINE SECTIONS 27 & 28" ON SHEET 14, TODAY'S MEASURED HORIZONTAL DISTANCES SEEM TO BE ABOUT 5% SHORT OF NORWAY'S RETURNS. 95% OF NORWAY'S 73.86 CHAINS = 4631 FEET OR 197 FEET SHORT OF WAIT'S 4828.43 FOOT DISTANCE. PERHAPS NOT SO REASONABLE AFTER ALL.

RECORD OF SURVEY

OF THE BOUNDARIES OF THE U.S. FOREST LANDS WITHIN SECTIONS 27, 28, 29, & 33, TOWNSHIP 5 NORTH, RANGE 28 WEST, SAN BERNARDINO MERIDIAN, IN THE COUNTY OF SANTA BARBARA, STATE OF CALIFORNIA

OCTOBER, 2009 – APRIL, 2011

JOHNSON-FRANK & ASSOCIATES, INC.

5150 E. HUNTER AVENUE, ANAHEIM, CA 92807
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SHEET 12 OF 18 SHEETS

APN's: 153-170-004, 009, 011, 032
153-290-001, 003
RS 6679

HISTORY AND BOUNDARY DISCUSSION
[CONTINUED]

IN W.H. NORWAY'S 1873 OFFICIAL GLO NOTES 166-30, PAGE 19, HE INDICATES AT THE QUARTER CORNER TO SECTIONS 28 AND 33, THAT HE "SET A REDWOOD POST 4X4 INCHES 3 1/2 FEET LONG IN A MOUND OF ROCKS AS PER INSTRUCTIONS ON SUMMIT OF SPUR". THERE IS A ROUNDED SPUR IN THIS AREA, BUT, UNFORTUNATELY, THE MONUMENT SET BY WAIT IN 1960 AT THE NORWAY RECORD DISTANCE OF 40 CHAINS [2640'] FROM THE NW CORNER OF S33, AS WELL AS THE SINGLE PROPORTION LOCATION FOR THE 1/4 CORNER, ARE NOT ON THE SUMMIT OF THE SPUR, AND IN FACT ARE AT LEAST 85' WEST OF ANYTHING THAT COULD BE CONSIDERED THE SUMMIT OF THE SPUR. AS DISCUSSED AT LENGTH, IN THE SECTION ON THE COMMON LINE OF S28|S27, IT APPEARS NORWAY'S DISTANCES WERE MEASURED ALONG THE GROUND, RATHER THAN HORIZONTALLY. ALONG THE SECTION LINE BETWEEN THE NORTHEAST CORNER S33 AND THE QUARTER CORNER S28/S33, 2640 FEET ALONG THE TERRAIN, AMOUNTS TO ABOUT 2547 FEET HORIZONTALLY. THE PHYSICALLY HIGHEST POINT ON THIS SPUR ALONG THE SECTION LINE AS THAT LINE IS SHOWN ON THE 1960 WAIT R61, IS 2506 FEET, HORIZONTALLY, WEST OF THE N.E. CORNER OF S33. THE 2547 FOOT POINT, IS WITHIN THREE FEET VERTICALLY OF THE FIELD MEASURED HIGHEST POINT. WE ARE CONFIDENT THAT NORWAY WAS ON THIS SPUR, SOMEWHERE, AT SOME POINT THAT FELT LIKE THE SUMMIT TO HIM IN 1873, BUT PRECISELY WHERE ON THIS ROUNDED SPUR IS SIMPLY NOT EVIDENT. OTHER THAN 140 YEARS OF NATURAL EROSION AND AT LEAST THREE CONFLAGRATIONS, IT WOULD APPEAR THAT NOTHING HAS CHANGED THIS SPUR FROM ITS NATURAL STATE. WE HAVE SPENT TEN MAN DAYS CLEARING VINES AND SEARCHING EVERY CONCEIVABLE LOCATION ON THIS SPUR, AND HAVE FOUND NOTHING THAT COULD BE IDENTIFIED AS THE REMAINS OF THE DESCRIBED QUARTER CORNER MONUMENT.

WE HAVE ATTEMPTED TO NARROW THE SEARCH LOCATION BY APPLICATION OF NORWAY'S 1873 TOPOGRAPHIC CALLS. WHILE IT IS CLEAR THAT THE ITEMS CALLED BY NORWAY EXIST, HIS CALLS DO NOT SEEM TO FIT THEIR PHYSICAL LOCATIONS. HIS FIRST TWO CALLS ON THIS LINE ARE TO ENTERING AND LEAVING A GULCH - THE GULCH EXISTS, AND THE DISTANCE BETWEEN THE TWO CALLS FIT THE WIDTH OF THE GULCH, BUT THE CALLS ARE BOTH ABOUT 5 CHAINS WEST OF THEIR PHYSICAL LOCATIONS.

NORWAY NEXT CALLS OUT A SPUR, WHICH IS VERY DEFINED IN THE FIELD, AT 35 CHAINS. AS DISCUSSED ABOVE, WE FIND NORWAY'S RETURNS GENERALLY MATCH TERRAIN DISTANCE AND TO BE ABOUT 5% LONG. THE TERRAIN DISTANCE TO THIS POINT ON THE SECTION LINE IS 2209 FEET OR 33.5 CHAINS. 95% OF THE RECORD 35 CHAINS IS 33.25 CHAINS, SO TERRAIN AND INDEX MATCH TO 16.5 FEET, BUT BOTH ARE ABOUT 1.5 CHAINS SHORT OF NORWAY'S RETURN. THE TOP OF THIS SPUR SHOULD BE 5 CHAINS EAST OF OUR QUARTER CORNER LOCATION. WE HAVE FIELD LOCATED THAT SPUR, AND MEASURING 330' FEET, OR 95% OF 330 FEET, WEST PUTS US AT A LOCATION 164 FEET AND 181 FEET, RESPECTIVELY, EAST OF OUR PROPORTIONED LOCATION, AND ON THE EAST FACING SLOPE OF THE SPUR. CERTAINLY NOT CONCLUSIVE, OR PROBABLY EVEN USABLE.

NORWAY ALSO CALLS "DESCEND HILLS" AT 44.5 CHAINS FROM THE NORTHEAST CORNER OF S33. WE FIND A LOCATION AT WHICH THE SECTION LINE, WHICH NORWAY HAD BEEN RUNNING WEST ALONG THE SOUTH SLOPE OF A MOUNTAIN, TRANSITIONS TO A STEEP WEST FACING SLOPE DOWN TO A GULCH. WE FIELD LOCATED THIS HINGE POINT AND FIND IT TO BE 2899 FEET WEST OF THE NE CORNER S33. THE TERRAIN DISTANCE TO THIS POINT IS 3017 FEET/45.7 CHAINS, 1.2 CHAINS LONGER THAN NORWAY'S RETURN OF 44.5 CHAINS.

THUS, OUR CLOSEST TOPO CALL TO THE EAST FALLS 1.5 CHAINS EAST OF THE 1873 CALL, AND THE CLOSEST TOPO CALL TO THE WEST FALLS 1.2 CHAINS WEST OF THE RECORD TOPO CALL.

HOLDING 95% OF THE 5 CHAINS FROM THE DEFINED SPUR TO THE EAST RESULTS IN A LOCATION 72' OR 1.1 CHAINS EAST OF THE ACTUAL SUMMIT OF THE 1/4 CORNER SPUR.

HOLDING 95% OF THE 4.5 CHAINS FROM THE "DESCEND HILLS" CALL TO THE WEST RESULTS IN A LOCATION 111.5' OR 1.7 CHAINS WEST OF THE ACTUAL SUMMIT OF THE 1/4 CORNER SPUR.

ALL OF WHICH MEANS WE HAVE THREE CALLS FOR TOPO IN THE AREA OF THIS MISSING QUARTER CORNER, NOT EVEN TWO OF WHICH GIVE US A REASONABLE MATCH OR A DEFINED LOCATION.

HISTORY AND BOUNDARY DISCUSSION
[CONTINUED]

SECTION 6.25 OF THE 2009 MANUAL GIVES US THREE "TESTS" FOR USING TOPOGRAPHIC CALLS FOR CORNER LOCATION. TEST 1 SAYS "THE DETERMINATION SHOULD RESULT IN A DEFINITE LOCUS WITHIN A SMALL AREA." WITH THE MISMATCH OF TOPOGRAPHIC CALLS FOR THIS CORNER, ALONG WITH THE ROUNDED SPUR TOP, WE CANNOT PASS THAT TEST. SECTION 6.26 OF THE 2009 MANUAL SAYS "IN QUESTIONABLE CASES IT IS BETTER PRACTICE, IN THE ABSENCE OF OTHER COLLATERAL EVIDENCE, TO TURN TO THE SUITABLE MEANS OF PROPORTIONATE MEASUREMENT." THUS, EVEN THOUGH WE ARE QUITE CERTAIN, THAT OUR PROPORTIONED CORNER, BEING 110' WEST OF THE PRECISELY LOCATED SUMMIT OF THE SPUR, DOES NOT REPRESENT THE ORIGINAL LOCATION OF THE 1873 1/4 CORNER, WE ARE, NEVER THE LESS, DIRECTED TO ESTABLISHED IT AT THE SINGLE PROPORTIONATE LOCATION.

LOCATION OF FEDERALLY OWNED LAND IN SECTION 33, T5N, R28W, SBM:

1960 - EDWARD H. WAIT, R.E. 4653, PERFORMED SURVEYS FOR RANCHO DEL CIERVO IN SECTION 28 & 33, AND OTHER LANDS TO THE SOUTH, AS SHOWN OF 61-RS-36. THE RECORD OF HIS SURVEY INDICATES THAT, INSTEAD OF PROPORTIONING THE MISSING QUARTER CORNER ALONG THE NORTH LINE OF SECTION 33, HE SETS A MONUMENT AT AN EVEN 2640 FEET FROM THE NORTHEAST CORNER, AND ANOTHER AT AN EVEN 1320 FEET FROM THE SAME CORNER. HE THEN HOLDS THE EAST AND WEST LINES OF THE GOVERNMENT OWNED SIXTEENTH PARALLEL WITH THE EAST LINE OF THE SECTION, AND THE SOUTH LINE PARALLEL WITH THE NORTH LINE OF THE SECTION. THE EAST AND WEST LINES WERE MADE TO BE 1320.00 FEET LONG. ALL COMPLETELY CONTRARY TO A NORMAL SECTIONAL BREAKDOWN. DID HE SIMPLY NOT KNOW WHAT HE WAS DOING? OR DID HE THINK MAYBE HIS NORTHWEST SECTION CORNER THAT HE "CREATED" WAS NOT AS GOOD AS THE NORTHEAST CORNER THAT HE HAD FOUND, DATING FROM 1917? WE WILL NEVER KNOW FOR SURE. [SEE DISCUSSION OF SURVEY OF THE "WEST LINE OF SECTION 33" ABOVE FOR THE "CREATION" METHOD FOR THE CORNER TO SECTIONS 28/29/32/33]

1977 - R.J. LINDENTHALER, LS 3901, PREPARES 22-PM-13-19, BASED ON RECORD DATA MOST OF WHICH COMES FROM WAIT'S 61-RS-36. HE SHOWS THE FEDERAL SIXTEENTH EXACTLY AS SHOWN ON WAIT'S RECORD OF SURVEY AND CREATES A NEW LINE CONNECTING THE EAST SECTION LINE WITH THE EAST LINE OF THE FEDERAL PROPERTY.

1979 - R.J. LINDENTHALER, LS 3901, PREPARES 22-PM-42-45, BASED ON RECORD DATA MOST OF WHICH COMES FROM WAIT'S 61-RS-36. THIS MAP AGAIN SHOWS THE FEDERAL SIXTEENTH EXACTLY AS DOES THE WAIT MAP, AND DOES NOT ADD ANY MORE DIVISIONS IN THE AREA OF THE FEDERAL LAND.

IN OUR CURRENT SURVEY, WE FIND WAIT'S MONUMENTS FOR THE NORTHEAST, NORTHWEST, AND SOUTHEAST CORNERS OF THE FEDERAL SIXTEENTH. THE SOUTHWEST MONUMENT HAS BEEN DESTROYED. THE SOUTHEAST MONUMENT DOES NOT FIT WITHIN SEVEN FEET OF WHERE WAIT INDICATES HE SET IT, SO IT WAS EITHER ERRONEOUSLY SET, OR HAS BEEN MOVED AT SOME TIME. WE DO NOT ACCEPT THAT MONUMENT NEAR THE SOUTHEAST CORNER AS REPRESENTING THE PROPERTY CORNER.

THE QUESTION IS HOW TO LOCATE THE FEDERAL PROPERTY IN THIS SECTION? DO WE PROPORTION IT IN ACCORDANCE WITH FEDERAL GUIDELINES? THE NORTHEAST CORNER OF SECTION 33, THE EAST QUARTER CORNER, AND THE SOUTHEAST CORNER OF SECTION 33 APPEAR TO BE RELIABLE POSITIONS AS DISCUSSED ABOVE UNDER "EAST LINE OF SECTION 33". WE HAVE POSITIONS FOR THE SOUTH 1/4 CORNER, THE ACCEPTED WEST 1/4 CORNER, AND THE ACCEPTED NORTHWEST CORNER OF SECTION 33, AS DISCUSSED UNDER THE HEADINGS "WEST LINE OF SECTION 33" AND "SOUTH LINE OF SECTION 33" ABOVE. HOWEVER, THE RELATIONSHIP OF THE LATTER THREE CORNERS OF SECTION 33 TO THE ORIGINAL 1873 SURVEY ARE "QUESTIONABLE", AT BEST.

IF WE WERE TO ESTABLISH THE FEDERAL PROPERTY IN S33 BY NORMAL PROPORTIONAL SECTIONAL BREAKDOWN METHODS, USING THE QUESTIONABLE SECTIONAL CONTROL POINTS ALONG THE SOUTH, WEST, AND NORTH LINES OF SECTION 33, IT WOULD SET THE WEST LINE OF THE FEDERAL 16TH 25.7 FEET EAST OF THE 1960 WAIT MONUMENTED LOCATION, AND THE EAST LINE WOULD BE SET 13.6 FEET EAST OF THE 1960 WAIT LOCATION, ALL AS SHOWN ON SHEET 4 AND DETAIL C ON SHEET 5. THE SOUTH LINE WOULD BE WITHIN 0.2 FOOT OF THE WAIT LOCATION. HOWEVER, AS DISCUSSED ABOVE UNDER THE HEADING COMMON LINE SECTION 33 & SECTION 28 ON SHEET 12, THE LOCATION OF THE PROPORTIONED NORTH 1/4 CORNER S33 IS VERY LIKELY 60 TO 100 FEET WEST OF THE ORIGINAL 1/4 CORNER LOCATION ON THE "SUMMIT" OF THE SPUR, INDICATING THAT, IN FACT, WE WOULD NOT BE PLACING THE LINES WHERE THEY WOULD HAVE BEEN, BASED ON THE ORIGINAL 1873 SURVEY.

HISTORY AND BOUNDARY DISCUSSION
[CONTINUED]

WAIT'S 1960 LOCATION FOR THE FEDERAL 16TH IN S33, ALTHOUGH NOT PERFORMED IN STRICT CONFORMANCE TO THE MANUAL, HAS BEEN IN PLACE FOR OVER 1/2 CENTURY, AND ACCEPTED BY TWO OTHER RECORD MAPS. DUE TO THE UNCERTAINTIES RELATIVE TO THE SOUTH, WEST, AND ESPECIALLY THE NORTH QUARTER CORNERS OF THIS SECTION, WE CAN NOT BE CERTAIN OF A LOCATION ANY MORE PRECISE THAN THAT SHOWN BY WAIT IN 1960. IT IS THIS SURVEYOR'S OPINION THAT IF WE CANNOT PROVIDE A BETTER ANSWER THAN HAS ALREADY BEEN IN EXISTENCE AND IN USE FOR OVER 50 YEARS, WE SHOULD ACCEPT THE 50 YEAR OLD LOCATION AS IT WAS SET IN 1960.

IT IS THIS SURVEYOR'S OPINION, THE FAIR AND LOGICAL THING TO DO IN THIS CASE, IS TO LEAVE THE LINES WHERE WAIT SET THEM A HALF CENTURY AGO. IN SO DOING, THE FEDERAL PROPERTY IS NOT REDUCED TO LESS THAN THE 40 ACRES THEIR RECORDS INDICATE THEY SHOULD HAVE, AND THE SURROUNDING OWNERS ARE NOT PUT IN TURMOIL. WITH THAT IN MIND, WE ARE HOLDING THE WAIT MONUMENTS NEAR, (NOT QUITE ON), THE NORTH LINE OF SECTION 33, AS IF THEY WERE CLOSING CORNERS ONTO THAT SECTION LINE. WE ARE HOLDING THE EAST AND WEST LINES OF THE FEDERAL PROPERTY PARALLEL WITH THE EAST LINE OF THE SECTION AS DID WAIT, AND HOLDING 1320.00 FEET FOR THE LENGTH OF THE EAST AND WEST LINES, AS DID WAIT, MAKING THE SOUTH LINE PARALLEL WITH THE NORTH LINE OF THE SECTION.

WEST LINE OF SECTION 29:

1939 - KENNETH W. WRIGHT, R.E. 2928, PERFORMS A SURVEY OF PORTIONS OF FIVE SECTIONS FOR "T. BISHOP CO." AS SHOWN ON RECORD OF SURVEY 25/119. THE MOST EASTERLY LINE OF THIS SURVEY IS THE WEST LINE OF OUR SECTION 29. THIS SURVEY SHOWS "NOVEL" METHODS OF RESETTING APPARENTLY LOST CORNERS. HE DOES NOT SHOW FINDING ANY EXISTING MONUMENTATION AT THE NORTHWEST, SOUTHWEST, OR WEST QUARTER CORNER OF SECTION 29. HE FINDS A 2X3 STAKE AT A POINT 1243.97' SOUTH OF THE SOUTHWEST CORNER OF OUR SECTION 29, BUT DOES NOT GIVE A BEARING FOR THAT DISTANCE, SO IT IS NOT CLEAR WHAT WEIGHT IS GIVEN TO THAT MONUMENT. HE FINDS A MOUND OF ROCK 844.32' NORTH OF THE LOCATION OF THE SOUTHWEST CORNER OF SECTION 29, AND HOLDS THAT MOUND AS CONTROL FOR THE SECTION LINE. IT WOULD APPEAR THAT HE MAY HAVE HELD THESE TWO MONUMENTS OF NO RECORD FOR LINE TO PRODUCE THE SECTION LINE NORTHERLY. ALONG THE NORTH LINE OF HIS SECTION 30, HE FINDS WHAT APPEAR TO BE THE ORIGINAL NORTHWEST CORNER AND THE NORTH QUARTER CORNER MONUMENTS. IT APPEARS THAT HE HAS THEN PRODUCED THE NORTHEAST CORNER OF HIS SECTION 30, AND THE NORTHWEST CORNER OF OUR SECTION 29 BY A BEARING-BEARING INTERSECTION. LOOKING AT IT WITH TODAY'S EDUCATIONAL OPPORTUNITIES AND TODAY'S TECHNOLOGIES, THIS WOULD APPEAR TO BE A VERY POOR METHOD. PERHAPS IN 1939, IN ROUGH COUNTRY, THIS WAS MORE ACCEPTABLE THAN TODAY?? IN ANY CASE, HE SET VERY SUBSTANTIAL AND IDENTIFIABLE MONUMENTS. HIS MONUMENTS ALONG THIS LINE HAVE BEEN FOUND AND ACCEPTED BY TWO SURVEYS IN SECTION 29, 69-RS-80 IN 1965 AND 85-RS-07 IN 1970. IN ADDITION, THE MONUMENT SET BY WRIGHT AT THE COMMON CORNER OF SECTIONS 19/20/29/30 HAS BEEN HELD BY 142-RS-80 IN 1983, AND BY 116-RS-48 IN 1984.

1965 - HUGH B. SIMPSON, LS 3146, ON 69-RS-80 COMPUTES THE SOUTHWEST CORNER OF OUR SECTION 29, USING THE LINE BETWEEN WRIGHT'S 1939 MONUMENTS ALONG THE WEST LINE OF SECTION 29, AND A SCALE FACTOR DETERMINED BETWEEN THOSE SAME WRIGHT MONUMENTS TO EXTEND THAT LINE SOUTHERLY TO THE SOUTHWEST CORNER OF SECTION 29, BUT DOES NOT SET A MONUMENT AT THAT TIME.

1983 - HUGH B. SIMPSON, LS 3146, SURVEYS A PORTION OF LAND IN SECTION 19, AS SHOWN ON 142-RS-80, [WHICH, FOR UNKNOWN REASONS WAS NOT RECORDED UNTIL 1991]. HE HOLDS THE 1939 WRIGHT MONUMENT FOR THE SOUTHWEST CORNER OF SECTION 19. 142-RS-80 INDICATES THAT HIS DISTANCES ALONG THE LINES RUNNING WEST AND NORTH FROM THE COMMON CORNER MONUMENT FOR SECTIONS 19/20/29/30 MATCH THOSE OF A "U.S. FOREST SERVICE SURVEY, 1976". THAT SURVEY IS NOT RECORDED, AND WE HAVE NOT BEEN ABLE TO LOCATE IT, BUT THIS NOTATION ON 142-RS-80 LEADS US TO BELIEVE THAT THIS CORNER HAS BEEN USED AND ACCEPTED BY THE USFS, MAKING IT UNANIMOUSLY HELD IN ALL FOUR QUADRANTS BY ALL SURVEYORS AND OWNERS.

1985 - HUGH B. SIMPSON, LS 3146, ON 85-RS-07, SHOWS SETTING A MONUMENT AT THE SOUTHWEST CORNER OF OUR SECTION 29 HOLDING WRIGHT'S 1939 MONUMENTS FOR LINE AND SIMPSON'S OWN 20 YEAR OLD PROPORTIONAL DISTANCE AS SHOWN ON 69-RS-80.

HISTORY AND BOUNDARY DISCUSSION
[CONTINUED]

WE FIND NO MODERN RECORDS THAT HAVE NOT HELD WRIGHT'S MONUMENTS TO CONTROL THE WEST LINE OF OUR SECTION 29. REGARDLESS OF THE LACK OF PEDIGREE 70 YEARS AGO, WE FEEL THAT, THESE MONUMENTS, HAVING BEEN IN PLACE AND BEING USED BY THE OWNERS AND THE SURVEYORS IN THE AREA FOR THAT PERIOD OF TIME, ARE NOW THE CONTROL FOR THE WEST LINE OF SECTION 29, AND WE ARE HOLDING THEM AS SUCH ON THE CURRENT SURVEY.

NORTHEAST CORNER, SECTION 29 & NORTHWEST CORNER OF SECTION 28:

1873 - THE ORIGINAL CORNER TO SECTIONS 20/21/28/29 IS SHOWN AS "SET POST ON STEEP SIDE HILL, FACING SOUTH, SET MOUND OF ROCKS AND PITS PER INST." IN W.H NORWAY'S 1873 GLO NOTES 166-28. PAGE 8.

1900 - F.F. FLOURNOY, DEPUTY SURVEYOR IN HIS GLO NOTES 392-6, PAGE 17, INDICATES "HE FOUND "AN OLD DECAYED POST IN MOUND OF ROCKS ALMOST OBLITERATED - I RE-ESTABLISH IT AT THE SAME PLACE AS FOLLOWS; -- SET A SANDSTONE 20 X 14 X 12 INS.....MARKED WITH 4 NOTCHES ON E. AND 2 NOTCHES ON S. SIDES; AND RAISE A MOUND OF ROCKS".

1957 - M.L. GRANT, R.E. 7704, PERFORMING A SURVEY IN SECTION 21, SHOWN ON 39-RS-21 SHOWS "FD 12"x14" SANDSTONE WITH "X" ON TOP. ROCK MOUND AROUND POINT."

1965 - HUGH B. SIMPSON, LS 3146, PERFORMING A SURVEY OF SECTION 29, SHOWS "FD 12"x14" SANDSTONE WITH + ON TOP & ROCK MOUND PER R.S. 39/21", AND USES THAT MONUMENT FOR THE NORTHEAST CORNER OF SECTION 29 FOR HIS SURVEY.

1980 - USFS REPLACES THE ORIGINAL STONE WITH A USFS STANDARD POST TYPE MONUMENT STAMPED "1980". WE FIND NO RECORD OF THAT SURVEY EITHER IN COUNTY OR USFS RECORDS.

1984 - DAN JAHNS, LS 4997, PERFORMING SURVEYS TO THE NORTH OF THIS CORNER, AS SHOWN ON 115-RS-48 SHOWS "FND 20"x14"x12" MKD SANDSTONE (#4)". APPARENTLY THIS IS A NOTATION OF RECORD, NOT FIELD INFORMATION, SINCE THE CORNER HAD BEEN A USFS MONUMENT FOR FOUR YEARS BY THE TIME OF THIS SURVEY.

1986 - KARL W. GRAHAM, LS 3873, PERFORMING SURVEYS IN SECTION 21 AS SHOWN ON 117-RS-18-20, FINDS THE USFS 1980 MONUMENT WITH THE ORIGINAL MARKED STONE LAYING ALONGSIDE AND HOLDS THE USFS MONUMENT FOR THIS SECTION CORNER.

THIS CORNER IS TRACEABLE BACK TO THE ORIGINAL SURVEYS OF 1873 AND 1900. WE ACCEPT THIS CORNER AS THE TRUE NORTHEAST CORNER OF OUR SECTION 29 AND THE NORTHWEST CORNER OF OUR SECTION 28.

SEE SHEET 1 FOR SURVEYOR'S AND COUNTY SURVEYOR'S STATEMENTS, MONUMENT SYMBOL DESCRIPTIONS, ABBREVIATIONS, BASIS OF BEARINGS, DATUM STATEMENT, AND CONTROL DIAGRAM. SEE SHEETS 2 THROUGH 4 FOR DETAIL SURVEY. SEE SHEET 5 FOR DETAILS OF APPARENT ENCROACHMENTS AND POSSIBLE ALTERNATE LOCATIONS FOR NW/NE/S33. SEE SHEET 6 THROUGH 11 FOR MONUMENT DESCRIPTIONS. SEE SHEET 12 THROUGH 17 FOR HISTORY AND BOUNDARY DISCUSSIONS. SEE SHEET 18 FOR POSITIONAL TABLE, RECORD REFERENCE ABBREVIATIONS AND FOREST SIGNS USED.

RECORD OF SURVEY

OF THE BOUNDARIES OF THE U.S. FOREST LANDS WITHIN SECTIONS 27, 28, 29, & 33, TOWNSHIP 5 NORTH, RANGE 28 WEST, SAN BERNARDINO MERIDIAN, IN THE COUNTY OF SANTA BARBARA, STATE OF CALIFORNIA

OCTOBER, 2009 - APRIL, 2011

JOHNSON-FRANK & ASSOCIATES, INC.

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SHEET 13 OF 18 SHEETS

APN: 153-170-004, 009, 011, 032
153-290-001, 005
RS 6679

HISTORY AND BOUNDARY DISCUSSION
[CONTINUED]

NORTH LINE, SECTION 29:

1965 – HUGH B. SIMPSON, LS 3146, PERFORMING A SURVEY WITHIN SECTION 29, AS SHOWN ON 69–RS–80, RUNS THE NORTH LINE OF SECTION 29 AS A STRAIGHT LINE BETWEEN THE FOUND 1939 KENNETH WRIGHT CORNER AT THE NORTHWEST SECTION CORNER AND THE FLOURNOY 1900 GLO SANDSTONE MONUMENT AT THE NORTHEAST CORNER. HE DOES NOT INDICATE SEARCHING FOR OR FINDING A QUARTER CORNER ON THIS LINE. HE DOES BREAKDOWN THE LINE IN NORMAL MANNER, COMPUTING THE QUARTER CORNER AT MIDPOINT, AND SETTING MONUMENTS FOR THE EAST AND WEST 16THS AT THE MIDPOINTS OF THE RESPECTIVE HALF MILE LINES.

IN THE CURRENT SURVEY, WE HAVE MADE A SEARCH FOR THE 1/4 CORNER, AND FOUND NOTHING. WE HAVE COMPUTED THE 1/4 CORNER AND THE TWO 1/16THS IN THE SAME MANNER AS SHOWN ON SIMPSON’S 69–RS–80, AND FIND HIS MONUMENTS VERY CLOSE. EXTREMELY CLOSE CONSIDERING THE TERRAIN INVOLVED AND THE FACT THAT SIMPSON’S SURVEY WAS PERFORMED PRIOR TO THE WIDESPREAD USE OF ELECTRONIC DISTANCE MEASUREMENT.

COMMON LINE, SECTION 28 AND SECTION 29:

1965 – HUGH B. SIMPSON, LS 3146, PERFORMING A SURVEY OF SECTION 29, AS SHOWN ON 69–RS–80, RUNS THE EAST LINE OF SECTION 29 AS A STRAIGHT LINE BETWEEN THE FLOURNOY 1900 GLO SANDSTONE MONUMENT AT THE NORTHEAST CORNER OF SECTION 29 TO THE WAIT 1960 61–RS–36 PIPE AT THE COMMON CORNER TO SECTIONS 28/29/32/33, DISCUSSED ABOVE. SIMPSON DOES NOT INDICATE FINDING THE QUARTER CORNER COMMON TO S29|S28, AND SETS A MONUMENT AT THE MIDPOINT.

IN THE CURRENT SURVEY, IN ADDITION TO THE SECTION CORNERS PREVIOUSLY DISCUSSED, WE HAVE FOUND SIMPSON’S 1/4 CORNER MONUMENT, AND FIND THE DISTANCE REPORTED BY SIMPSON FROM THE NORTHEAST CORNER TO THE QUARTER CORNER TO BE EXTREMELY ACCURATE FOR THE TIME PERIOD. WE ARE HOLDING SIMPSON’S MONUMENT AS THE QUARTER CORNER TO S29|S28.

SOUTH LINE, SECTION 29:

1965 – HUGH B. SIMPSON, LS 3146, PERFORMING A SURVEY OF A PORTION OF SECTION 29, AS SHOWN ON 69–RS–80, SHOWS THE SOUTH LINE OF SECTION 29 AS A STRAIGHT LINE. HE HOLDS THE SOUTHWEST CORNER OF THE SECTION AS HE COMPUTED IT FROM THE 1939 WRIGHT SURVEY 25–RS–119, DESCRIBED ABOVE UNDER THE ‘WEST LINE OF SECTION 29’ AND THE WAIT 1960 61–RS–36 PIPE AT THE COMMON CORNER TO SECTIONS 28/29/32/33, DISCUSSED ABOVE. SIMPSON DOES NOT INDICATE FINDING ANYTHING OR SETTING ANYTHING AT THE QUARTER CORNER COMMON TO S29/S32. SIMPSON COMPUTES THE QUARTER CORNER AT THE MIDPOINT.

1969 – HUGH B. SIMPSON, LS 3146, PERFORMING A SURVEY OF A PORTION OF SECTION 29, AS SHOWN ON 85–RS–07, SETS A 1/2” PIPE WITH HIS TAG AT THE SOUTHWEST CORNER OF THE SECTION AT HIS COMPUTED LOCATION AS DISCUSSED ABOVE, AS WELL AS AT THE QUARTER CORNER AT MIDPOINT. SIMPSON ALSO INDICATES SETTING A REFERENCE MONUMENT 171.36’ NORTHEAST OF THE QUARTER CORNER.

IN THE CURRENT SURVEY, WE HAVE FOUND SIMPSON’S MONUMENT FOR THE SOUTHWEST CORNER OF SECTION 29 AND HELD IT AS THE SECTION CORNER. SIMPSON’S QUARTER CORNER MONUMENT HAS BEEN GRADED OUT BY ROAD CONSTRUCTION. WE SEARCHED FOR SIMPSON’S REFERENCE MONUMENT NEAR THE QUARTER CORNER, AND FOUND IT GRADED OUT BY ORCHARD IMPROVEMENTS. WE HAVE COMPUTED THE QUARTER CORNER AT MIDPOINT, AFTER RE–ESTABLISHING THE DESTROYED COMMON CORNER TO SECTIONS 28/29/32/33 AS DISCUSSED BELOW.

SEE SHEET 1 FOR SURVEYOR’S AND COUNTY SURVEYOR’S STATEMENTS, MONUMENT SYMBOL DESCRIPTIONS, ABBREVIATIONS, BASIS OF BEARINGS, DATUM STATEMENT, AND CONTROL DIAGRAM.
SEE SHEETS 2 THROUGH 4 FOR DETAIL SURVEY.
SEE SHEET 5 FOR DETAILS OF APPARENT ENCROACHMENTS AND POSSIBLE ALTERNATE LOCATIONS FOR NW/NE/S33.
SEE SHEET 6 THROUGH 11 FOR MONUMENT DESCRIPTIONS.
SEE SHEET 12 THROUGH 17 FOR HISTORY AND BOUNDARY DISCUSSIONS.
SEE SHEET 18 FOR POSITIONAL TABLE, RECORD REFERENCE ABBREVIATIONS AND FOREST SIGNS USED.

HISTORY AND BOUNDARY DISCUSSION
[CONTINUED]

COMMON CORNER TO SECTIONS 28/29/32/33:

THE LOCATION AND THE MONUMENT FOR THIS CORNER WAS ESTABLISHED BY EDWARD H. WAIT, R.E. 4653, PERFORMING SURVEYS FOR RANCHO DEL CIERVO IN SECTION 28 & 33, AND OTHER LANDS TO THE SOUTH, AS SHOWN OF 61–RS–36, BY “UNCONVENTIONAL” METHODS. THAT MONUMENT HAS BEEN HELD FOR ALL SURVEYS IN THE AREA SINCE 1960, ONE HALF CENTURY.

IN THE CURRENT SURVEY, WE FIND THAT THIS SECTION CORNER MONUMENT OF WAIT’S HAS BEEN DESTROYED BY A SMALL LANDSLIDE. IN ORDER TO RELOCATE THIS CORNER AS CLOSE AS POSSIBLE TO WAIT’S ORIGINAL LOCATION, WE HAVE FOUND AND POSITIONED THE CLOSEST RECORD AND RELIABLE MONUMENTS IN FOUR DIRECTIONS. THEY ARE WAIT’S 1960 61–RS–36 MONUMENT 2310’ TO THE SOUTH [#8117] AND HIS MONUMENT 2188’ TO THE EAST [#8120]. WE HAVE LOCATED SIMPSON’S 1965 85–RS–07 MONUMENT 5261’ TO THE WEST [#8130], AND SIMPSON’S 1960 69–RS–80 MONUMENT 2572’ NORTH [#8074]. IN AN ATTEMPT TO FIND CLOSER MONUMENTS TO THE WEST, WE SEARCHED FOR FIVE MONUMENTS SHOWN ON SIMPSON’S 1965 69–RS–80 ABOUT 1450’ WEST OF THE MISSING CORNER. WE FOUND AND POSITIONED TWO OF THE FIVE. UNFORTUNATELY, SIMPSON INDICATES SOME OF HIS DATA IS “CALCULATED” OR “WERE NOT SURVEYED”. WHEN DISTANCES AND BEARINGS ARE COMPUTED FROM THOSE POINTS TO THE MISSING SECTION CORNER BASED ON SIMPSON’S MAPS, 69–RS–80 AND 85–RS–07, THEY WOULD PLACE THE CORNER ABOUT 1.3’ FARTHER EAST, WHICH IS NOT IN REASONABLE AGREEMENT WITH THE RESULTS OBTAINED FROM THE FIRST FOUR MONUMENTS MENTIONED ABOVE. IN THE END, WE FIND THAT A DOUBLE PROPORTION COMPUTATION USING THE FOUR MONUMENTS MENTIONED FIRST ABOVE, IN FOUR DIRECTIONS, AND USING THE RECORD DISTANCES FROM THE MAPS FIRST SHOWING THOSE MONUMENTS OBTAINS THE MOST RELIABLE POSITION POSSIBLE FROM THE EVIDENCE AVAILABLE TO SET THE SECTION CORNER BACK WHERE IT HAS BEEN LOCATED SINCE SET BY WAIT IN 1960.

8130-9078	<5261.06’ R69 & R85>	–	5261.72’	PROP. & SET
8074-9078	<2572.16’ R69>	–	2572.46’	PROP. & SET
8117-9078	<2310.00’ R61>	–	2310.27’	PROP. & SET
8120-9078	<2188.43’ R61>	–	2188.70’	PROP. & SET

COMMON CORNER TO SECTIONS 21/22/27/28:

1948 – C.S. 711, A SURVEY OF SECTION 22 AND A PORTION OF SECTION 21 FOR FOSTER GLEN COUNTY PARK BY THE SANTA BARBARA COUNTY SURVEYOR, F.E. EVANS, R.E. 1128, FINDS THE ORIGINAL SANDSTONE MONUMENT SET BY HARRINGTON IN HIS GLO SURVEY OF 1891, AND SETS A “2 1/2” PIPE WITH BRASS CAP MARKED “S.B. SUR. SEC21|SEC22+SEC28|SEC27 F.E. EVANS CO SUR.” CS 711 ALSO SHOWS SETTING TWO BEARING TREES, AND A “NAIL IN A LARGE FLAT BOULDER” FOR TIES.

1981 – USFS CORNER RECORD (CORNER CARD) R–13, T5N R28W, SHOWS FINDING THE COUNTY BRASS CAP MONUMENT. THAT RECORD ALSO INDICATES THAT THEY FOUND BOTH 1948 BEARING TREES DEAD AND DOWN, BUT INDICATE THAT THE NAIL IN THE LARGE FLAT BOULDER IS INTACT AND MATCHES THE C.S. 711’S BEARING AND DISTANCE. THEY ESTABLISH A NEW BEARING TREE ON A 22” LIVE OAK S26°00’W, 46.50’ FROM THE MONUMENT.

THIS COUNTY MONUMENT HAS BEEN FOUND, ACCEPTED AS THE SECTION CORNER AND USED BY ALL SURVEYS IN THE AREA SINCE 1948.

OUR CURRENT SURVEY FINDS THE 1948 MONUMENT HAS BEEN DESTROYED BY FIRE BREAK CONSTRUCTION DURING THE RECENT GAP FIRE. WE FIND A NAIL AND 1 1/4 INCH SQUARE COPPER TAG STAMPED “S.B. COUNTY SURV MON” IN A LARGE FLAT BOULDER, UNDISTURBED [POINT # 8162]. WE ALSO FIND A BLM S–9 BEARING TREE SIGN, ETCHED “46.5 N26E B. EMMENS 9–81” ON A 30” LIVE OAK TREE TO RE–ESTABLISH THE ORIGINAL LOCATION OF THIS SECTION CORNER, WE LOCATED TWO POINTS SET BY C.S. 711 ALONG THE SECTION LINE RUNNING NORTHERLY [POINTS 8149 & 8101]. AND TWO POINTS SET BY SET BY C.S. 711 ALONG THE SECTION LINE RUNNING EASTERLY FROM THIS CORNER [POINTS 8094 AND 8020]. WE COMPARED THE C.S. 711 BEARINGS BETWEEN THOSE MONUMENTS TO OUR MEASURED STATE PLANE BASED BEARINGS AND FIND THAT OUR MEASURED BEARING ON THE LINE TO THE NORTH IS 1°02’16” MORE CLOCKWISE, AND THE MEASURED BEARING ON THE LINE TO THE EAST IS 1°02’14” MORE CLOCKWISE, FOR AN AVERAGE OF 1°02’15” MORE CLOCKWISE. WE APPLIED THAT ROTATION TO THE C.S. 711 BEARING FROM THE NAIL IN THE BOULDER TO GET A STATE PLANE BEARING OF N02°36’45”W, AND RESET A STANDARD USFS MONUMENT, MARKED AS SHOWN ON THE MAP SHEET, 34.43 FEET FROM THE NAIL IN THE BOULDER ON THAT BEARING. WE FIND THAT THE 1981 USFS BEARING TREE, MEASURING TO THE “CENTER” OF THE TREE, BEARS S23°30’W TRUE BEARING, 46.7’ (S26°W, 46.5’ PER BT SIGN & USFS CORNER CARD).

HISTORY AND BOUNDARY DISCUSSION
[CONTINUED]

QUARTER CORNER SECTIONS 21 & 28 AND NORTH LINE SECTION 28:

1900 – F.F. FLOURNOY, DEPUTY SURVEYOR IN HIS GLO NOTES 392–6, PAGE 17, SETS THE ORIGINAL QUARTER CORNER AT THIS LOCATION, WHICH WAS A “SANDSTONE 24 X 12 X 8 INS.....MARKED 1/4 S. ON N. FACE, AND RAISED A MOUND OF STONES”.

1986 – KARL W. GRAHAM, LS 3873, RUNS THE COMMON LINE BETWEEN SECTIONS 21 AND 28, AS SHOWN ON 117–RS–17–20, FINDING THE ORIGINAL STONE IN PLACE, ALONG WITH THE USFS MONUMENT DISCUSSED ABOVE AT THE COMMON CORNER OF SECTIONS 20/21/28/29, AND THE C.S. 711 MONUMENT AT THE COMMON CORNER OF SECTIONS 21/22/27/28, ALSO DISCUSSED ABOVE.

IN THE CURRENT SURVEY, WE FIND THE ORIGINAL 1/4 CORNER STONE, WHICH IS AN 8 INCH NORTH–SOUTH BY 14 INCH EAST–WEST BY 12 INCH HIGH SANDSTONE WITH “1/4 S” CHISELED ON THE NORTH SIDE OF THE STONE, AS DESCRIBED PER GLO NOTES 392–6, PAGE 17. THE STONE WAS FOUND IN AN OBVIOUS EARTH SLIDE, AND MOVED FROM IT’S ORIGINAL LOCATION. THE LOCATION OF THE STONE, AS OF 1986, WAS RE–ESTABLISHED BY COMPASS ADJUSTMENT OF SECTION LINE DATA SHOWN ON 117–RS–18–20 BETWEEN THE SECTION CORNERS 1/2 MILE EAST AND WEST, WITH A SATISFACTORY DISTANCE CHECK TO A NO REFERENCE MONUMENT SHOWN ON SAID MAP 1072’ NORTHERLY. THE ORIGINAL STONE, AS FOUND, FELL S24°17’W 4.85’ OF ITS 1986 POSITION. WE ALSO FOUND A SPIKE IN DIRT, WITH NO RECORD REFERENCE, WITH A LATH MARKED “PROP COR”. THE SPIKE WAS S81°14’E, 0.69’ FROM THE 1986 POSITION. SET A STANDARD USFS ALUMINUM MONUMENT STAMPED AS SHOWN ON THE MAP SHEET AT THE RE–ESTABLISHED LOCATION OF THE ORIGINAL CORNER.

COMMON LINE SECTIONS 27 & 28:

1873 – W.H. NORWAY, DEPUTY SURVEYOR IN HIS GLO NOTES 166–30, PAGE 19, INDICATES THAT HE RUNS THIS LINE NORTH 40 CHAINS FROM THE CORNER WHICH HE HAD SET EARLIER THAT SAME DAY FOR THE CORNER TO S27,S28,S33,S34. HE NOTES THAT HE SETS A “REDWOOD POST 5X5 IN. 3 FEET LONG, IN A MOUND AS PER INSTRUCTIONS” FOR THE QUARTER CORNER. HE THEN CONTINUES NORTH TO 63.00 CHAINS “TO A LARGE SAND ROCK, AT THE FOOT OF HIGH RANGE OF SANTA INEZ MOUNTAINS WHICH I MARK AS PER INSTRUCTIONS FOR W.P. TO CORNER TO SECTIONS 21, 22, 27, 28.” NORWAY TERMINATES HIS FIELD EFFORT ALONG THIS SECTION LINE AT THIS POINT AS HE DETERMINES AND STATES “THE MOUNTAINS TO THE NORTH ARE TOO ROUGH AND WORTHLESS TO MEASURE FURTHER.” THE FEDERAL ACT OF MARCH 3, 1853, MADE IT UNLAWFUL TO INCLUDE LANDS “DEEMED UNFIT FOR CULTIVATION” WITHIN THE SURVEYS IN THE STATE OF CALIFORNIA, PER C. ALBERT WHITE’S BOOK “A HISTORY OF THE RECTANGULAR SURVEY SYSTEM” PAGE 117.

1891 – JOHN K. HARRINGTON, DEPUTY SURVEYOR, IN HIS GLO NOTES 216–1, PAGE 3, SAYS HE BEGINS WHERE NORWAY STOPPED TO COMPLETE THIS SECTION LINE. HE STATES “FROM THE WITNESS COR. TO SECS. 21,22,27, AND 28 WHICH IS A SANDSTONE 8X10X12 FEET MARKED W.C., I RUN NORTH ON LINE BETWEEN SECS. 27 AND 28.” AT 17.00 CHAINS FROM THE WITNESS CORNER STONE, HE SETS A SANDSTONE CORNER MONUMENT. BOTH THE 1855 AND 1890 MANUALS REQUIRED THIS SURVEY TO “PROLONG” THE SECTION LINE THROUGH THE WP OR WC, THE RECORD DISTANCE TO SET THE WITNESSED CORNER. THE LEGAL POSITION OF THIS SECTION CORNER, ALTHOUGH NOT MONUMENTED, WAS ACTUALLY ESTABLISHED BY THE 1873 NORWAY SURVEY BY THE ACT OF SETTING A WITNESS POINT TO THAT CORNER. THUS, BY THE MANUAL IN EFFECT AT THE TIME OF THE 1873 ORIGINAL SURVEY [1855] AS WELL AS THE MANUAL IN EFFECT AT THE DATE OF THE 1891 COMPLETION SURVEY [1890], THE WITNESS MONUMENT, THE NEXT PRECEDING EXISTING CONTROLLING MONUMENT OF THE ORIGINAL SURVEY, AND THE WITNESSED MONUMENT SHOULD ALL END UP ON THE SAME LINE. THIS IS THE WAY WE FIND THE TWO SECTION CORNERS AND THE WITNESS POINT/CORNER TODAY, ALL PER THE APPLICABLE MANUALS OF THE PERIOD.

HISTORY AND BOUNDARY DISCUSSION
[CONTINUED]

WE, AND OTHERS, HAVE WONDERED HOW HARRINGTON COULD HAVE FOUND NORWAY’S 1873 WP STONE WITH SUCH A VAGUE DESCRIPTION. WE FIND IN HARRINGTON’S 1891 NOTES, THAT HE FOUND AND DESCRIBED THIS WP/WC STONE ON NOVEMBER 10, 1891. ON THE VERY NEXT DAY, NOVEMBER 11, 1891, HARRINGTON INDICATES IN GLO 216–1, PAGE 4, THAT AT THE CORNER TO SECTIONS 17 AND 16; 20 AND 21, HE FOUND A MONUMENT, WHICH WAS VERIFIED BY “W.H.NORWAY, U.S. DEPUTY SURVEYOR”. FROM THIS WE DERIVE THAT NORWAY, THE ORIGINAL 1873 SURVEYOR WHO MARKED THE STONE FOR A WC/WP, WAS IN SOME WAY ASSISTING HARRINGTON TO GET HIS 1891 SURVEY STARTED. NORWAY MAY WELL HAVE ASSISTED HARRINGTON’S CREW IN FINDING THE POORLY DESCRIBED WP/WC STONE. WE KNOW FROM CENSUS RECORDS THAT NORWAY LIVED IN SANTA BARBARA DURING THE TIME PERIODS OF THESE TWO SURVEYS. WE ALSO KNOW THAT J.K. HARRINGTON SERVED AS SANTA BARBARA COUNTY SURVEYOR IN 1895. WE ALSO KNOW FROM THE RECORDS OF OATHS AND THE 1870 CENSUS, THAT HARRINGTON AND HIS COMPASSMAN, FRANK FLOURNOY, HAD, IN 1890, THE PREVIOUS YEAR, WORKED ON A CONTRACT IN T5N, R27W, WITH BEN AND JOHN NEWTON, WHO, PER THE 1870 U.S. CENSUS, WERE THE SONS OF GEORGE NEWTON, WHO WAS ON NORWAY’S 1873 CREW. ALL OF WHICH INDICATES THAT HARRINGTON, NORWAY AND FLOURNOY ALL LIVED IN THE SMALL TOWN OF SANTA BARBARA IN THE LATE 1800’S, AND WERE UNDOUBTEDLY ACQUAINTED. HARRINGTON WAS NOT SIMPLY FLOUNDERING IN THE BRUSH, BUT COULD, AND DID, AVAIL HIMSELF OF THE ASSISTANCE OF HIS ACQUAINTANCES IN THE AREA WHEN HE NEEDED IT, JUST LIKE ANY COMPETENT RETRACEMENT SURVEYOR DOES TODAY.

1948 – THE ORIGINAL SANDSTONE SECTION CORNER MONUMENT FOR SECTIONS 21, 22, 27, 28 WAS FOUND AND REMONUMENTED BY THE SANTA BARBARA COUNTY SURVEYOR AND SHOWN ON C.S. 711. THAT COUNTY MONUMENT WAS DESTROYED BY BULLDOZER IN THE RECENT GAP FIRE, BUT WE HAVE RESET IT USING A NEARBY REFERENCE POINT IN A BOULDER AS SET AND SHOWN ON SAID C.S. 711 [SEE POINT DESCRIPTION FOR POINT #9007].

WE HAVE ALSO REVIEWED THE FIT OF THE POSITION OF THE CURRENT CORNER AGAINST THE VARIOUS GLO SURVEYS AND FIND:

IN 1891, HARRINGTON’S NOTES, (GLO 216–1, PAGE 4) INDICATE THAT, 6.36 CHAINS EAST OF THE NE CORNER OF S28, AS HARRINGTON IS RUNNING WEST, “TOP OF HIGH TABLE LAND”. IN 1893, ARCHIBALD CARR, EXAMINER OF SURVEYS, PERFORMED AN EXAMINATION SURVEY OF HARRINGTON’S 1891 SURVEY. [THE NOTES FOR THIS EXAMINATION SURVEY WERE RETRIEVED FROM THE NATIONAL ARCHIVES IN WASHINGTON, D.C., AND HAVE NO FILE NUMBERS TO QUOTE.] ON THE SAME SECTION LINE RUNNING EAST FROM THE NE CORNER OF S28, CARR’S NOTES SAY “ALONG TABLE LAND. 6.50 DESCEND”. BY REFERENCE TO THE USGS QUAD, THERE IS A DEFINITE BREAK FROM “TABLE LAND” TO STEEP CANYON WALL AT THIS LOCATION, TODAY, AS THERE WAS IN 1891–1893.

AGAIN IN 1891, HARRINGTON’S NOTES (GLO 216–1, PAGE 6), INDICATE THAT THERE IS A “TOP OF ROUND HILL” 11 CHAINS [726’] NORTH ON THE S21|S22 LINE FROM THE SECTION CORNER. THIS ROUND HILL IS VERY CLEAR ON THE USGS QUAD AND MEASURES ABOUT 720 FEET FROM THE CORNER AS NOW MONUMENTED. A GOOD CHECK FOR BOTH NORTHING AND EASTING DUE TO THE SHAPE OF THE HILL.

IN THE ARCHIBALD CARR NOTES OF 1893, CARR INDICATES THERE IS A “TOP OF RIDGE COURSE E&W” AT 10.8 CHAINS [713’] NORTH ALONG THE S21|S22 LINE. THE USGS QUAD MAP SHOWS THE TOP OF A RIDGE (SAME AS DESCRIBED AS A ROUND HILL BY HARRINGTON) AT ABOUT 720 FEET NORTH OF THE CORNER AS NOW MONUMENTED. A VERY GOOD SECOND CHECK BY A SURVEYOR WHO WAS DISPATCHED SPECIFICALLY TO VERIFY THE HARRINGTON 1891 SURVEY.

RECORD OF SURVEY

OF THE BOUNDARIES OF THE U.S. FOREST LANDS WITHIN SECTIONS 27, 28, 29, & 33, TOWNSHIP 5 NORTH, RANGE 28 WEST, SAN BERNARDINO MERIDIAN, IN THE COUNTY OF SANTA BARBARA, STATE OF CALIFORNIA

OCTOBER, 2009 – APRIL, 2011
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SHEET 14 OF 18 SHEETS

APN'S: 153-170-004, 009, 011, 032
153-290-001, 003
RS 6679

HISTORY AND BOUNDARY DISCUSSION
[CONTINUED]

IN 1900, FRANK F. FLOURNOY PERFORMED THE ORIGINAL GLO SURVEY OF THE NORTH LINE OF S28. THE RECORD OF OATHS FOR THE HARRINGTON SURVEY OF 1891, SHOWS FRANK FLOURNOY AS COMPASSMAN ON THE CREW THAT ORIGINALLY SET THE CORNER TO SECTIONS 21/22/28/27. IT WOULD FOLLOW THAT FLOURNOY HAD PERSONAL KNOWLEDGE OF THIS CORNER AND COULD RELIABLY SUBSTANTIATE IT. FLOURNOY'S NOTES (GLO 392-6, PAGE 18) INDICATE THAT AT FOUR CHAINS WEST OF THE NE CORNER OF S28, THE SECTION LINE CROSSES "TOP OF RIDGE, COURSE SE". A CHECK OF THE USGS QUAD SHEET, WHICH HAS THE CURRENT SECTION CORNER LOCATION PLOTTED QUITE ACCURATELY, REVEALS A RIDGE CROSSING ON THAT SECTION LINE AT THE RECORD FOUR CHAIN DISTANCE, JUST LIKE FLOURNOY SAYS. THE DIRECTION OF THE RIDGE IS A LITTLE MORE LIKE NNW-SSE, AT THE POINT WHERE IT CROSSES THE SECTION LINE, BUT IT IS A DEFINITE RIDGE CROSSING THE LINE AND MATCHING THE RECORD. THERE IS A FIREBREAK ON THIS RIDGE TOP NOW, SO IF A PERSON WERE TO APPROACH THE SECTION CORNER FROM THE NORTHWEST, HE WOULD BE HIKING DOWN THAT RIDGE TOP AND WOULD TURN EAST WITH THE RIDGE ABOUT 50 FEET SOUTH OF THE SECTION LINE. THE EXISTING CORNER LOCATION AND MONUMENT FOR S21,S22,S27,S28 FITS THE 1900 GLO TOPO CALL RUNNING WEST FROM THE CORNER.

IN SUMMARY OF THE FIT TO THE GLO TOPO CALLS RELATIVE TO THE CORNER TO S21,S22,S27,S28; WE HAVE TWO GOOD FITS TO THE NORTH, 1891 & 1893, ONE OF WHICH IS ALSO AN EAST-WEST FIT DUE TO THE CALL TO THE ROUND HILL. WE HAVE A GOOD FIT TO FLOURNOY'S 1900 TOPO TO THE WEST. WE HAVE TWO SURVEYS CALLING TO THE END OF THE TABLE LAND TO THE EAST IN 1891 & 1893, WHICH BOTH FIT THE CURRENT LOCATION, AND WE HAVE THE RECORD DISTANCE FIT OF 1891 TO THE WC/WP BOULDER TO THE SOUTH.

THERE IS ABSOLUTELY NO DOUBT THAT THE POSITION OF THE MONUMENT NOW AT THE CORNER FOR S21,S22,S27,S28, DOES RELIABLY REPRESENT THE POSITION OF THE ORIGINAL CORNER, AS IT WAS SET 120 YEARS AGO.

1962 - M.L. GRANT, R.E. 7704, OF THE U.S. GRANT & SONS COMPANY, SHOWS A SURVEY OF SECTION 27 ON 64-RS-05. HE INDICATES THE WEST LINE OF SECTION 27 TO BE A 5104.45' STRAIGHT LINE BETWEEN THE TWO SECTION CORNERS. HIS DISTANCE BETWEEN CORNERS MATCHES OUR CURRENT SURVEY WITHIN 0.06' - EXTREMELY GOOD FOR PRE-EDM MEASUREMENT. HE MAKES NO MENTION OF SEARCHING FOR, OR FINDING, EITHER THE NORWAY 1873 QUARTER CORNER OR THE ONLINE WITNESS CORNER STONE.

1979 - L.M. CLEMENTS, LS 3306, OF THE U.S. GRANT & SONS COMPANY, ON HIS 112-RS-20 SHOWS A SURVEY OF A 10± ACRE PARCEL IN THE SOUTHWEST QUARTER OF SECTION 27. HE AGAIN SHOWS THE SECTION LINE RUNNING STRAIGHT FROM SECTION CORNER TO SECTION CORNER. IT WOULD APPEAR THAT THIS SURVEY IS USING THE SAME CONTROL SURVEY AS THE 1962 64-RS-05, ABOVE, FROM THE SAME COMPANY, SO IT IS NOT REALLY AN INDEPENDENT RETRACEMENT OF THE SUBJECT SECTION LINE. CLEMENTS USES THE OVERALL DISTANCE ALONG THE SECTION LINE FOR HIS BREAKDOWN CALCULATIONS.

1988 - RUSSELL SCOVILL, LS 5020, SURVEYS A 75.86 ACRE PARCEL IN THE SOUTHWEST QUARTER OF SECTION 27 ON HIS 140-RS-21. AGAIN, BY HIS REFERENCES ON THE MAP, HE APPEARS TO BE USING THE SAME EXTERIOR SECTIONAL CONTROL SURVEY MADE BY M.L. GRANT IN 1962 ABOVE. AGAIN, HE SHOWS THE SECTION LINE AS A STRAIGHT LINE BETWEEN SECTION CORNERS WITHOUT MENTION OF THE WITNESS CORNER. AGAIN, HE USES THE OVERALL DISTANCE ALONG THE SECTION LINE FOR HIS BREAKDOWN CALCULATIONS.

2007 - DANIEL BERG, PLS 6318, SURVEYS AND MONUMENTS TWO PROPERTIES IN THE WEST HALF OF SECTION 27 AS SHOWN ON HIS 174-RS-64. THIS DOES NOT APPEAR TO BE A COPY OF THE PREVIOUS SURVEYS, BUT RATHER A NEW RETRACEMENT SURVEY AS TO THE EXTERIOR SECTIONAL CONTROL. MR. BERG, AS DID THE OTHER THREE SURVEYS ALONG THE SUBJECT SECTION LINE, SHOWS THE SECTION LINE AS A STRAIGHT LINE BETWEEN THE TWO FOUND SECTION CORNERS. MR. BERG DOES INDICATE THAT HE SEARCHED AND FOUND NOTHING AT THE LOCATION OF THE 1/4 S28|S27, AND THAT HE "ESTB BY SINGLE PPN". AS IN THE THREE EARLIER MAPS, MR. BERG MAKES NO MENTION OF SEARCHING FOR OR ADDRESSING THE NORWAY/HARRINGTON WITNESS POINT/CORNER IN ANY WAY.

SEE SHEET 1 FOR SURVEYOR'S AND COUNTY SURVEYOR'S STATEMENTS, MONUMENT SYMBOL DESCRIPTIONS, ABBREVIATIONS, BASIS OF BEARINGS, DATUM STATEMENT, AND CONTROL DIAGRAM.
SEE SHEETS 2 THROUGH 4 FOR DETAIL SURVEY.
SEE SHEET 5 FOR DETAILS OF APPARENT ENCROACHMENTS AND POSSIBLE ALTERNATE LOCATIONS FOR NW/NE/S33.
SEE SHEET 6 THROUGH 11 FOR MONUMENT DESCRIPTIONS.
SEE SHEET 12 THROUGH 17 FOR HISTORY AND BOUNDARY DISCUSSIONS.
SEE SHEET 18 FOR POSITIONAL TABLE, RECORD REFERENCE ABBREVIATIONS AND FOREST SIGNS USED.

HISTORY AND BOUNDARY DISCUSSION
[CONTINUED]

IN OUR CURRENT SURVEY, WE FIND THE TWO SECTION CORNERS, AND DO NOT FIND THE ORIGINAL QUARTER CORNER AFTER MULTIPLE SEARCHES IN SEVERAL POSSIBLE LOCATIONS. WE ALSO MADE A SEARCH FOR THE 8X10X12 FOOT SANDSTONE WITNESS CORNER MONUMENT DESCRIBED BY HARRINGTON IN 1891. AT A LOCATION 17.17 CHAINS (17.00 CHAINS - HARRINGTON 1891) SOUTH OF THE CORNER TO S21,S22,S27,S28, TO THE NORTH, ON A STRAIGHT LINE BETWEEN THE TWO SECTION CORNERS, WE FIND A SANDSTONE BOULDER MATCHING THE TYPE AND SIZE IN HARRINGTON'S 1891 DESCRIPTION. WE FIND A VERY FAINT WEATHERED CHISELED OR SCRIBED + IN THE TOP OF THE STONE AT A POINT, WHICH IS 2.70 FEET EAST OF THAT SAME STRAIGHT LINE BETWEEN SECTION CORNERS. WE CANNOT DISCERN A "W.C." ON THE STONE AS CALLED OUT BY HARRINGTON, OR A "W.P." AS NORWAY DESCRIBED THIS POINT. NORWAY DOES NOT ACTUALLY INDICATE THAT HE MARKED IT WITH A "W.P.", ONLY THAT HE "MARKED IT FOR W.P." THIS STONE IS AT LEAST 1/4 MILE FROM ANY HABITATION AND HEALTHY CLIMB. THE CHISELED + WOULD NOT BE SOMETHING THAT WOULD LOGICALLY HAVE BEEN PLACED AT THIS LOCATION BY OTHERS. WE HAVE NO DOUBT, DUE TO ITS LOCATION MATCH TO RECORD, ITS SIZE MATCH TO RECORD, THE FACT THAT IT IS ONLINE BETWEEN SECTION CORNERS, AND THAT IT HAS A MAN MADE +, THAT IT IS THE STONE WHICH HARRINGTON USED IN HIS 1891 SURVEY. UNFORTUNATELY, EVEN THOUGH THE DISTANCE NORTHERLY TO THE NEXT CORNER MATCHES HARRINGTON'S 1891 DISTANCE WELL, THE DISTANCE TO THE SOUTH IS 186 FEET [2.8 CHAINS] SHORT OF NORWAY'S 1873 REPORTED DISTANCE.

WE HAVE MADE ADDITIONAL SEARCHES WITH MANY PARTICIPANTS, TOTALING TO OVER 15 MAN DAYS TO DATE, SEARCHING FOR ANY OTHER STONE IN THIS AREA THAT WOULD BETTER MATCH NORWAY'S 1873 DESCRIPTION OF A "LARGE SAND ROCK" MARKED "FOR W.P.", WITH NO SUCCESS.

ON OUR LAST VISIT ON MARCH 25, 2010, WE DID FIND TWO LARGE STONES WITH CARVINGS. ONE OF THE STONES HAS A SIMPLE "WC" ON THE NORTHERLY SIDE OF THE STONE, WITH NO EVIDENCE OF A +. THIS STONE IS 145' SHORT OF THE 1891 RECORD TO THE NW CORNER OF S27 AND 72.3' EAST OF LINE BETWEEN THE SECTION CORNERS. THE OTHER LARGE SANDSTONE HAS A "WC", TWO HASH MARKS ON THE SOUTH, THREE HASH MARKS ON THE EAST, AND A + WITH AN ARROW POINTING TO THE NORTH. THIS STONE IS 92.6' SHORT OF THE 1891 DISTANCE TO THE NW CORNER OF S27, AND 23.4' EAST OF LINE BETWEEN THE SECTION CORNERS. THESE CARVINGS ARE FRESH AND SHARP, WITHOUT ANY SIGN OF AGE, ESPECIALLY 120-137 YEARS WORTH. WE BELIEVE THESE "CARVINGS" WERE MADE BETWEEN OUR VISIT OF NOVEMBER 18, 2009, AND OUR VISIT OF MARCH 25, 2010. ONE OF THE OWNERS OF PRIVATE PROPERTY IN THE SW 1/4 OF SECTION 27, WHO "HAPPENED" TO BE AT THE SITE AT THE SAME TIME AS OUR VISIT OF MARCH 25, EMAILED TEN DAYS LATER, THAT HE HAD "FOUND" THESE MARKINGS TWO DAYS BEFORE OUR VISIT, AND "ENHANCED" THEM. NEITHER OF THESE ROCKS FIT ANY LOGICAL RECORD DISTANCE OR ALIGNMENT FROM EITHER THE NORWAY 1873 SURVEY OR THE HARRINGTON 1891 SURVEY, NOR DO THEY APPEAR TO MATCH ANY NORMAL LATE 1800'S STYLE OF MARKINGS. WE DO NOT BELIEVE THAT EITHER OF THESE BOULDERS WERE MARKED BY GLO SURVEYORS. WE ARE CONFIDENT THESE LATTER TWO STONES, AND THEIR MARKINGS, ARE COMPLETE "COUNTERFEITS".

ADDITIONAL RESEARCH TO PROVE OR DISPROVE THE 8X10X12 FOOT SANDSTONE WITH THE FAINT +:

IN HIS 1873 OFFICIAL NOTES, NORWAY STATES "I MARK AS PER INSTRUCTIONS FOR W.P. TO CORNER". A THOROUGH SEARCH OF THE VARIOUS GLO INSTRUCTIONS, AND THE ONE MANUAL (1855) WHICH HAD BEEN PUBLISHED PRIOR TO 1873, FINDS NO INSTRUCTIONS OF ANY KIND ON HOW TO MARK EITHER WITNESS CORNERS OR WITNESS POINTS.

IN SEARCH OF FURTHER NORWAY INSTRUCTIONS, WE CONTACTED A RESEARCHER FOR THE NATIONAL ARCHIVES IN WASHINGTON, D.C. HE FOUND NORWAY'S ORIGINAL GLO CONTRACT OF AUGUST 16TH, 1873 UNDER WHICH NORWAY'S SURVEY OF THIS LINE WAS CONDUCTED. IT STATES THAT HIS SURVEY IS TO BE "IN STRICT CONFORMITY WITH THE PRINTED MANUAL OF SURVEYING INSTRUCTIONS, AND THE PRINTED INSTRUCTIONS TO SURVEYORS-GENERAL OF JUNE 1, 1864", AND "SUCH SPECIAL INSTRUCTIONS AS HE MAY RECEIVE FROM THE SURVEYOR-GENERAL". THE ONLY "MANUAL" WHICH HAD BEEN PUBLISHED BY 1873 WAS THE MANUAL OF 1855. AS STATED ABOVE, THERE ARE NO INSTRUCTIONS IN THAT MANUAL FOR MARKING WITNESS CORNERS OR WITNESS POINTS. WE HAVE ALSO REVIEWED THE CONTRACT QUOTED 1864 INSTRUCTIONS. THOSE INSTRUCTIONS, ALSO, DO NOT ADDRESS MARKING EITHER WITNESS POINTS OR WITNESS CORNERS IN ANY WAY.

HISTORY AND BOUNDARY DISCUSSION
[CONTINUED]

WE HAD THE NATIONAL ARCHIVES RESEARCHER COMB THE ARCHIVES FOR ANY DOCUMENTS IN THE ENTIRE YEAR OF 1873 WHICH MENTIONED W.H. NORWAY, IN HOPES OF FINDING ANY POSSIBLE "SPECIAL INSTRUCTIONS" AS MENTIONED IN THE CONTRACT. HE DID FIND SEVERAL LETTERS, GENERALLY DEALING WITH MONETARY MATTERS, BUT NONE DEALING WITH ANY TECHNICAL INSTRUCTIONS.

BASICALLY, OUR REVIEW OF THE MANUALS AND INSTRUCTIONS IN FORCE FOR THE TWO SURVEYS INVOLVING THIS STONE, NORWAY'S 1873 AND HARRINGTON'S 1891, FINDS THAT WITNESS CORNERS HAD BEEN DESCRIBED AS SOMETHING TO SET AT THE EDGE OF AN INSUPERABLE OBJECT BEGINNING IN 1837, BUT SEEMED TO BE DROPPED OUT IN FAVOR OF WITNESS POINTS IN THE 1851 OREGON INSTRUCTIONS. THE 1855 MANUAL CONTINUES TO USE THE TERM WITNESS POINTS FOR THESE TYPE CORNERS. THE 1864 INSTRUCTIONS DO NOT MENTION EITHER WITNESS POINTS OF WITNESS CORNERS.

BETWEEN THE NORWAY SURVEY OF 1873, WHICH ESTABLISHED THE STONE FOR THE W.P., AND THE HARRINGTON 1891 SURVEY WHICH SAYS IT IS MARKED "W.C.", WE DO FINALLY FIND SOME INSTRUCTION ON HOW TO MARK THESE TYPE CORNERS. IN THE 1881 MANUAL, REPRINTED IN C. ALBERT WHITE'S BOOK "A HISTORY OF THE RECTANGULAR SURVEY SYSTEM", PAGE 522, SEC. 1, UNDER THE HEADING "WITNESS CORNERS" STATES "WHEN A ROCK IN PLACE IS ESTABLISHED FOR A CORNER, ITS DIMENSIONS ABOVE GROUND MUST BE GIVEN, AND A CROSS (X) MARKED AT EXACT CORNER POINT." I THINK IT IS PROBABLY SAFE TO BELIEVE THIS NOTATION IS PROBABLY SIMPLY PUTTING IN "WRITING", SOMETHING THAT WAS ALREADY IN "STANDARD PRACTICE" EIGHT YEARS EARLIER, WHEN NORWAY ESTABLISHED THIS W.P. AND MARKED IT WITH HIS "X".

DURING OUR RESEARCH PROCESS, AND WITH THE ASSISTANCE OF THE SANTA BARBARA COUNTY SURVEYOR AND HIS STAFF, WE FOUND THAT THERE WAS AN UNRECORDED SIGNED MYLAR OF A 1982-1983 RECORD OF SURVEY BY MR. RAYMOND WEST, LS 4172, IN THE MAP CHECKING FILES AT THE OFFICE OF THE COUNTY SURVEYOR OF SANTA BARBARA COUNTY. THE MAP SHOWS A SURVEY OF PROPERTIES IN S36, T5N, R28W, AND S31, T5N, R27W, BUT ALSO SHOWS PORTIONS OF THE EAST AND WEST LINES OF S25, T5N, R28W. S25 WAS ORIGINALLY SURVEYED BY NORWAY IN 1873 IN THE SAME SURVEY THAT ESTABLISHED OUR S28|S27 WP/WC STONE. AT THE TIME THIS MAP CAME IN FOR FILING, THERE WAS A CONFLICT BETWEEN THE PRIVATE SURVEYOR AND THE FOREST SERVICE SURVEYORS RELATIVE TO A FOUND NORWAY W.P./WC STONE ALONG THE S26|S25 LINE. EXACT REASONS FOR NEVER COMPLETING THE FILING ARE NOT AVAILABLE, DUE TO THE PASSING OF THE SURVEYOR AND CHANGES OF USFS PERSONNEL DURING THE PAST 27 YEARS. HOWEVER, IN REVIEWING THIS UNRECORDED MAP, WE NOTED THAT WEST FOUND THAT HIS DISTANCES WERE SHORT OF NORWAY'S 1873 RECORD DISTANCES BETWEEN THE SECTION CORNERS AND NORWAY'S TERMINAL STONES TO THE NORTH, AS NORWAY WORKED HIS WAY UP INTO THE MOUNTAINS. WE HAVE DETERMINED BY INTERVIEW WITH WEST'S FIELD SURVEYORS THAT THEY WERE USING A WILD T-2 AND A HEWLETT PACKARD 3800 EDM IN THEIR SURVEY, THUS WE WOULD EXPECT WEST'S REPORTED DISTANCES TO BE GENERALLY AT THE SAME ACCURACY LEVEL AS OUR CURRENT SURVEY. ACCORDING TO THE WEST RECORD OF SURVEY, THE 1982 MEASURED HORIZONTAL DISTANCES ALONG BOTH THE EAST AND WEST LINES OF S25 WERE ABOUT 95% OF NORWAY'S 1873 RECORDED DISTANCES.

OUR CURRENT MEASURED HORIZONTAL DISTANCE BETWEEN THE SOUTHWEST CORNER OF S27 AND THE STONE WITH THE WEATHERED + IS 95.5% OF THE NORWAY 1873 DISTANCE. WE BEGIN TO SENSE A PATTERN.

F.F. FLOURNOY, DEPUTY U.S. SURVEYOR, PERFORMED A GLO COMPLETION SURVEY OF SECTION 25, T5N, R28W IN 1900. IN REVIEWING THE SITUATION AT THE DISPUTED S26|S25 STONE ON WEST'S 1982-1983 MAP, AS DESCRIBED ABOVE, AND WITH THE INVALUABLE HELP OF MR. MARK REINHARDT OF MNS ENGINEERING, WE OBTAINED F.F. FLOURNOY'S ACTUAL "GENERAL LAND OFFICE FIELD NOTES". THESE ARE THE REAL FIELD NOTES FROM WHICH THE LATER "OFFICIAL NOTES" AND "OFFICIAL PLAT" WERE PRODUCED. THE NOTES DID NOT REALLY HELP WITH THE S26|S25 STONE, BUT REVIEW OF THE NOTES INDICATE THAT FLOURNOY, BY 1900, WAS MEASURING SLOPE DISTANCES IN FEET, MEASURING VERTICAL ANGLES, REDUCING HIS SLOPE DISTANCES TO HORIZONTAL, AND THEN CONVERTING TO CHAINS. WE DID CHECK ONE OF FLOURNOY'S DISTANCES FROM THE WC S26|S25, TO THE NE CORNER OF S26. WE MATCH FLOURNOY'S 1900 DISTANCE WITHIN ABOUT TWO FEET IN THIS 740 FOOT DISTANCE [99.8%].

BACK ON OUR S28|S27 LINE, ALTHOUGH WE DO NOT HAVE HARRINGTON'S ACTUAL FIELD NOTES OF HIS COMPLETION SURVEY OF THIS SECTION, WE DO KNOW BY HIS OFFICIAL NOTES, THAT HE WAS USING A TRANSIT FOR HIS 1891 SURVEY. HE WOULD HAVE HAD THE ABILITY TO MEASURE VERTICAL ANGLES TO REDUCE SLOPE DISTANCES TO HORIZONTAL. WE MATCH HIS DISTANCE BY 11 FEET IN THE 1122 FOOT DISTANCE [99%] FROM THE 8X10X12 FOOT BOULDER WITH THE WEATHERED + AT THE WC/WP TO HARRINGTON'S SECTION CORNER AT THE NW CORNER OF S27.

HISTORY AND BOUNDARY DISCUSSION
[CONTINUED]

SO, WE MATCH TWO "LATER" TECHNOLOGY DISTANCES, 1891 AND 1900, WITH 1% OR LESS DIFFERENCE.

WITH THE ABOVE FIT TO THE 1891 AND 1900 DISTANCES, WE BEGAN TO LOOK CLOSELY AT THE NORWAY 1873 DISTANCES, AND HIS POSSIBLE METHODS AND TECHNOLOGY. WE HYPOTHEZIZED THAT PERHAPS THE 1873 SURVEYORS WERE NOT BEING CAREFUL TO KEEP THEIR CHAIN LEVEL ON THESE LINES, WHICH RISE STEEPLY INTO THE MOUNTAINS, AND SUSPECT THAT IN 1873 THEY WOULD HAVE PROBABLY BEEN USING A SURVEYOR'S COMPASS, WITH NO CAPABILITY OF MEASURING VERTICAL ANGLES FOR TRIGONOMETRIC REDUCTION TO HORIZONTAL. WITH THAT IN MIND, WE PRODUCED ROUGH PROFILES OF THE TERRAIN ALONG THE LINES IN QUESTION BY DIGITIZING ELEVATIONS AND DISTANCES TO TERRAIN BREAKS FROM GOOGLE EARTH, WITH A CHECK USING THE CONTOURS FROM THE USGS QUAD MAP. IF WE MEASURE THE ACTUAL GROUND DISTANCE ALONG THE SLOPE OF THE TERRAIN, BOTH PLUS AND MINUS, BETWEEN THE ENDS OF OUR MEASURED LINES, INSTEAD OF HORIZONTAL, WE FIND:

E. LINE, S25:
NORWAY DISTANCE = 2640'
TERRAIN DISTANCE = 2679', 1.5% LONGER THAN 1873 RECORD
MODERN DISTANCE = 2515.7', 4.7% SHORTER THAN 1873 RECORD

W. LINE, S25:
NORWAY DISTANCE = 4541'
TERRAIN DISTANCE = 4497', 1% SHORTER THAN 1873 RECORD
MODERN DISTANCE = 4303.1', 5.2% SHORTER THAN 1873 RECORD

TOTAL OF E&W, S25 LINES:
NORWAY DISTANCE = 7181'
TERRAIN DISTANCE = 7176', 0.1% SHORTER THAN 1873
MODERN DISTANCE = 6818.8', 5.1% SHORTER THAN 1873

OUR S28|S27 LINE:
NORWAY DISTANCE = 4158'
TERRAIN DISTANCE = 4237.5', 1.9% LONGER THAN 1873 RECORD
MODERN DISTANCE = 3971.52', 4.5% SHORTER THAN 1873 RECORD

SO, FROM THE ABOVE, THERE APPEARS TO BE A CLEAR RELATIONSHIP BETWEEN NORWAY'S 1873 MEASURED DISTANCES, USING THE CHAIN AND COMPASS TECHNOLOGY OF THE TIME PERIOD, AS HE MEASURED UP THE STEEP TERRAIN NORTHERLY INTO THE MOUNTAINS, WITH THE DISTANCE ALONG THE TERRAIN. WE SEE THAT SAME PERCENTAGE ON THREE LINES MEASURED IN THE SAME SURVEY BY THE SAME SURVEYOR AT THE SAME TIME OVER GENERALLY THE SAME STEEP BRUSH COVERED TERRAIN. WE DEDUCE THAT THIS SHORTAGE WAS THE RESULT OF NOT MEASURING WITH THE METHODS OR THE CARE SPECIFIED IN THE MANUAL OF THE TIME.

IT MIGHT ALSO BE NOTED HERE, THAT NORWAY'S CONTRACT IS FOR \$14/MILE ALONG INTERIOR SECTION LINES, SO HE WAS TRYING TO MAKE A LIVING FOR HIMSELF AND HIS FOUR MAN CREW EARNING \$11.02 FOR THIS 63/80THS OF A MILE ALONG THE LINE BETWEEN SECTION 28 AND SECTION 27. ADJUSTED FOR INFLATION THAT COMES TO \$195.12 IN TODAY'S DOLLARS - THAT WOULD NOT BUY MUCH SURVEY EFFORT. PERHAPS THE PAY RATE MIGHT HAVE HAD SOME AFFECT ON NORWAY'S ACCURACY. HE SIMPLY COULD NOT AFFORD TO MEASURE HIS DISTANCES IN THIS RUGGED AND BRUSH COVERED TERRAIN IN THE MANNER PRESCRIBED BY THE 1855 MANUAL.

RECORD OF SURVEY

OF THE BOUNDARIES OF THE U.S. FOREST
LANDS WITHIN SECTIONS 27, 28, 29, & 33,
TOWNSHIP 5 NORTH, RANGE 28 WEST,
SAN BERNARDINO MERIDIAN,
IN THE COUNTY OF SANTA BARBARA,
STATE OF CALIFORNIA

OCTOBER, 2009 - APRIL, 2011

JOHNSON-FRANK & ASSOCIATES, INC.

5150 E. HUNTER AVENUE, ANAHEIM, CA 92807
714-777-8877

SHEET 15 OF 18 SHEETS

RS 6679 APN's: 153-170-004, 009, 011, 032
153-290-001, 003

HISTORY AND BOUNDARY DISCUSSION [CONTINUED]

IN THE FINAL ANALYSIS OF THE NORWAY WITNESS POINT STONE, WE FIND THAT THE 8X10X12 FOOT STONE WITH THE FAINT WEATHERED '+' FITS THE SIZE & TYPE OF STONE CALLED OUT BY HARRINGTON IN 1891. NO MARKINGS WERE SPECIFIED IN THE INSTRUCTIONS FOR THE ORIGINAL SURVEY, SO A '+', BEING A STANDARD SURVEYOR'S MARK FOR CENTURIES, WAS PROBABLY NORMAL PROCEDURE, AND IS CERTAINLY NOT IN CONFLICT WITH NORWAY'S INSTRUCTIONS. THE BOULDER IS ON LINE BETWEEN FOUND SECTION CORNERS AND THE '+', BEING 2.70' EAST OF LINE, IS ALSO ON LINE, BY 1891 STANDARDS. THE MORE MODERN, AND HIGHER TECH, 1891 DISTANCE TO THE SECTION CORNER TO THE NORTH FITS WITHIN 1891 STANDARDS. THE DISTANCE TO THE SECTION CORNER TO THE SOUTH, FITS WITHIN THE DEMONSTRATED ACCURACY OF NORWAY'S 1873 COMPASS/CHAIN SURVEYS. WE BELIEVE WE HAVE FOUND "SUBSTANTIAL EVIDENCE OF THE MONUMENT OR ITS ACCESSORIES" AS SPECIFIED IN SECTION 6-11 OF THE 2009 BLM MANUAL OF SURVEYING INSTRUCTIONS, AND ACCEPT THIS STONE AND ITS WEATHERED '+' AS AN "EXISTENT CORNER". AS AN ORIGINAL CORNER OF THE ORIGINAL SURVEY, IT IS AN ANGLE POINT IN THE SECTION LINE AND A POINT FROM WHICH TO PROPORTION "LOST" CORNERS ON THAT LINE. IN FEBRUARY AND MARCH OF 2011, THE "2011 BLM SURVEY" REVIEWED THIS CORNER AND ACCEPTED IT AS AN ORIGINAL CORNER OF THE ORIGINAL SURVEYS.

WE HAVE SEARCHED EXTENSIVELY, BUT UNSUCCESSFULLY, FOR THE 1/4 CORNER S28|S27. WE HAVE OBTAINED INFORMATION FROM THE FOREST SERVICE, THAT BRUSH FIRES HAVE BURNED THROUGH THE AREA OF THIS QUARTER CORNER IN 1955, 1990 AND 2008. THEY DO NOT HAVE FIRE RECORDS PRIOR TO 1955, BUT IT COULD BE DEDUCED THAT IF THE AREA WAS BURNED 3 TIMES IN 55 YEARS, THAT IN 137 YEARS IT HAS PROBABLY BEEN BURNED OVER AT LEAST 6 OR 7 TIMES. THE LOCATION OF THE QUARTER CORNER IS ON A SLOPE OF ABOUT TWO FOOT HORIZONTALLY TO ONE FOOT VERTICALLY, AND IS SOFT DIRT. THE CHANCES OF NORWAY'S THREE FOOT LONG REDWOOD POST IN A MOUND HAVING SURVIVED ON THIS STEEP LOOSE SLOPE THROUGH 6 OR 7 CONFLAGRATIONS, AND 138 YEARS OF SOIL EROSION FROM NORMAL RAINS, ARE SLIM TO NONE.

FINAL OBSERVATIONS, COMMON LINE SECTIONS 27 & 28:

WE DO HAVE A SANDSTONE THAT FITS THE TYPE, AND THE SIZE CALLED OUT BY THE 1891 HARRINGTON SURVEY. IT FITS THE HARRINGTON 1891 DISTANCE, MEASURED WITH A TRANSIT CAPABLE OF VERTICAL ANGLE MEASUREMENT, TO THE SECTION CORNER TO THE NORTH WITHIN 11 FEET. THE BOULDER HAS A VERY FAINT WEATHERED PLUS ON THE TOP. THE BOULDER ITSELF IS ON A STRAIGHT LINE CONNECTING THE SECTION CORNER TO THE NORTH AND SECTION CORNER TO THE SOUTH. THE FAINT WEATHERED + IS WITHIN 2.7 FEET OF BEING ONLINE BETWEEN THE SECTION CORNER TO THE NORTH AND SECTION CORNER TO THE SOUTH, AS IT SHOULD BE IF THE SECTION CORNER TO THE NORTH WAS SET IN CONFORMANCE WITH THE 1855 AND 1890 MANUALS. WHILE IT MISSES THE NORWAY 1873 RECORD DISTANCE FROM THE SOUTH BY 186.5 FEET [2.83 CHAINS], OUR STUDY ABOVE SHOWS THAT THIS IS NORMAL FOR NORWAY'S 1873 DISTANCES UP STEEP, BRUSH COVERED TERRAIN INTO THE MOUNTAINS, AND BASED ON THE ABOVE STUDY ACTUALLY FITS THE NORWAY MEASUREMENT TO THE SOUTH, WITHIN REASON, AS WELL AS THE HARRINGTON 1891 MEASUREMENT TO THE NORTH.

AS MENTIONED ABOVE, THE SUBJECT SANDSTONE HAS A FAINT + AT THE HIGH POINT OF THE STONE. THIS STONE HAS BEEN VIEWED BY MYSELF, TWO OF MY VERY EXPERIENCED CADASTRAL SURVEY FIELD PERSONNEL, THE USFS SURVEYOR FOR THE AREA, THE BLM SURVEYOR FOR THIS AREA, AND TWO LOCAL SURVEYORS WITH EXPERIENCE IN THE AREA. SIX OF THOSE EXPERIENCED SURVEYORS BELIEVE THIS FAINT + IS A MANMADE MARK, WITH 138 YEARS OF WEATHERING. ONE OF THE SURVEYORS, WHO IS IN THE EMPLOY OF ONE OF THE PRIVATE LANDHOLDERS AFFECTED BY THE LOCATION OF THE LOST QUARTER CORNER, STATES HE IS "UNCERTAIN".

SECTION 6-11 OF THE MANUAL OF SURVEYING INSTRUCTIONS OF 2009, STATES "A CORNER IS EXISTENT (OR FOUND) IF SUCH CONCLUSION IS SUPPORTED BY SUBSTANTIAL EVIDENCE. THE SUBSTANTIAL EVIDENCE STANDARD OF PROOF IS SUCH RELEVANT EVIDENCE AS A REASONABLE MIND MIGHT ACCEPT AS ADEQUATE TO SUPPORT A CONCLUSION. SUBSTANTIAL EVIDENCE IS MORE THAN A SCINTILLA OF EVIDENCE BUT LESS THAN A PREPONDERANCE OF THE EVIDENCE." WE BELIEVE WE HAVE "SUBSTANTIAL EVIDENCE", AND, IN FACT, THE "PREPONDERANCE OF EVIDENCE" THAT THE FOUND 8X10X12 FOOT SANDSTONE BOULDER WITH THE WEATHERED + THAT MATCHES THE ORIGINAL DIMENSIONS AND RECORD LOCATION BETWEEN THE SECTION CORNERS IS IN FACT THE ORIGINAL 1873 NORWAY AND 1891 HARRINGTON MONUMENT.

THE ENTIRE THEORY OF PROPORTIONING BETWEEN FOUND ORIGINAL CORNERS GOES BACK TO THE FEDERAL ACT OF FEBRUARY 11, 1805, WHICH STATES "THE BOUNDARY LINES, ACTUALLY RUN AND MARKED IN THE SURVEYS RETURNED BY THE SURVEYOR GENERAL, SHALL BE ESTABLISHED AS THE PROPER BOUNDARY LINES OF THE SECTIONS OR SUBDIVISION FOR WHICH THEY ARE INTENDED, AND THE LENGTH OF SUCH LINES AS RETURNED SHALL BE HELD AND CONSIDERED THE TRUE LENGTH

HISTORY AND BOUNDARY DISCUSSION [CONTINUED]

THEREOF." ALSO, CIRCULAR FROM THE DEPARTMENT OF THE INTERIOR, GENERAL LAND OFFICE, DATED NOVEMBER 1, 1879, ENTITLED "SUBDIVISION OF SECTIONS AND RESTORING LOST CORNERS" (A HISTORY OF THE RECTANGULAR SURVEY SYSTEM BY C. ALBERT WHITE, SECTION XXXVIII), STATES UNDER THE HEADING "RE-ESTABLISHMENT OF LOST CORNERS", "MISSING CORNERS SHOULD BE RE-ESTABLISHED IN THE IDENTICAL LOCALITIES THEY ORIGINALLY OCCUPIED. WHEN THE POINT CANNOT BE DETERMINED BY THE EXISTING LANDMARKS IN THE FIELD, RESORT MUST BE HAD TO THE FIELD NOTES OF THE ORIGINAL SURVEY. THE LAW PROVIDES THAT THE LENGTHS OF THE LINES AS STATED IN THE FIELD NOTES SHALL BE CONSIDERED AS THE TRUE LENGTHS THEREOF, AND THE DISTANCES BETWEEN CORNERS SET DOWN IN THE FIELD NOTES CONSTITUTE PROPER DATA FROM WHICH TO DETERMINE THE TRUE LOCALITY OF A MISSING CORNER; HENCE THE RULE THAT ALL SUCH SHOULD BE RESTORED AT DISTANCES PROPORTIONATE TO THE ORIGINAL MEASUREMENTS BETWEEN EXISTING CORNERS." [EMPHASIS ADDED]

THEREFORE, TO RESET THE LOST QUARTER CORNER OF S28|S27, WE WOULD NEED TO FIND THE CLOSEST ORIGINAL MONUMENTS, OR PERPETUATIONS OF SAME, ON EITHER SIDE, AND PROPORTION THE ORIGINALLY RETURNED DISTANCES BETWEEN THEM TO SET THE QUARTER CORNER AS CLOSE AS POSSIBLE TO ITS ORIGINAL LOCATION. IN THIS PARTICULAR SITUATION, DUE TO THE PROPORTIONAL ERROR IN THE NORWAY ORIGINAL DISTANCES, THIS PROCEDURE SHOULD ACTUALLY BE QUITE ACCURATE AND FAIR TO ALL PARTIES, AS WELL AS BEING THE LEGALLY REQUIRED METHOD TO REESTABLISH THE LOST QUARTER CORNER S28|S27.

FINAL DETERMINATION BY BLM, COMMON LINE SECTIONS 27 & 28:

DUE TO THE POSSIBILITY OF LITIGATION WITH ADJOINER OWNERS IN THE NW 1/4, SW 1/4, S27 AND THE NE 1/4, SE 1/4, S28, ALONG WITH A COMPLETELY DIFFERING LINE PUT FORTH BY A SURVEYOR HIRED BY ONE OF THOSE ADJOINERS, THE FOREST SERVICE ENLISTED THE U.S. BUREAU OF LAND MANAGEMENT CADASTRAL SURVEY TO REVIEW THE SURVEYS OF THE S28|S27 LINE AND TO MONUMENT THE GOVERNMENT LAND CORNERS AT THE 1/4 CORNER AND THE S 1/16TH CORNER S28|S27. THE BLM BEGAN AN IN-DEPTH REVIEW OF THIS LINE IN EARLY FEBRUARY, 2011. A REPORT WAS PREPARED BY THE BLM, REVIEWED AND APPROVED BY LANCE BISHOP, BRANCH CHIEF, USDI, BUREAU OF LAND MANAGEMENT ON MARCH 17, 2011. THE REPORT WAS DISTRIBUTED TO INTERESTED PARTIES ON MARCH 18, 2011. THAT SURVEY AND REPORT CORROBORATES THE LINE AS ABOVE DESCRIBED. ON OR ABOUT MARCH 31, 2011, BLM SURVEYORS SET THE GOVERNMENT PROPERTY CORNER MONUMENTS ON THE S28|S27 LINE, AS WELL AS SETTING REFERENCE POINTS FOR THE FAINT + ON THE WC/WP ROCK. OUR CURRENT SURVEY ACCEPTS AND USES THOSE BLM DEPENDENT RESURVEY MONUMENTED CORNERS AS CONTROL FOR FURTHER BREAKDOWN OF THE INTERIORS OF THE ADJOINING SECTIONS.

CORNER TO SECTIONS 26/27/34/35:

1873 - W.H. NORWAY, DEPUTY SURVEYOR IN HIS GLO NOTES 166-30, PAGE 15, SETS A 6X6 INCH POST IN A MOUND OF ROCKS FOR THE ORIGINAL MONUMENT FOR THE CORNER TO SECTIONS 26/27/34/35.

1901 - J.K. HARRINGTON, DEPUTY SURVEYOR IN HIS GLO NOTES 216-1, PAGE 2, INDICATES "AS THIS COR. IS ALMOST DESTROYED I REBUILD THE SAME BY SETTING A REDWOOD STAKE 4X4 INS."

1917 - F.F. FLOURNOY, R.E. 420, ACTING AS A PRIVATE ENGINEER, NOT AS A US DEPUTY SURVEYOR, PERFORMS A SURVEY OF A PORTION OF SECTION 34, SHOWN ON 11-M&S-140. HE SHOWS ALL OF THE OTHER CONTROLLING CORNERS OF SECTION 34, BUT SHOWS ONLY DASHED LINES GOING TO THIS CORNER, WITH NO DESCRIPTION AT THE INTERSECTION OF THE DASHED LINES. I WOULD INTERPRET THIS TO MEAN EITHER THE CORNER WAS NOT FOUND AT THAT TIME, OR, POSSIBLY IT HAD NOTHING TO DO WITH HIS SURVEY, SO HE DID NOT LOOK FOR IT. WE CAN NEVER KNOW FOR SURE.

1962 - M.L. GRANT, R.E. 7704, ON 64-RS-05 INDICATES "NO MON. FOUND AT SEC. COR. AFTER DILIGENT SEARCH".

1979 - L.M. CLEMENTS, LS 3306, ON 112-RS-20 INDICATES "NO MONUMENT FD. AT SEC CORNER".

1988 - RUSSELL SCOVILL, LS 5020, ON 140-RS-21 INDICATES BY SYMBOL, "NO POINT FOUND OR SET" AT THIS SECTION CORNER.

2006 - MICHAEL MCGEE, PLS 3945, ON 174-RS-6&7, INDICATES THAT AFTER A DILIGENT SEARCH, WITH NO MONUMENT FOUND, HE RE-ESTABLISHED THIS SECTION CORNER BY DOUBLE PROPORTIONATE METHODS AND SET A 2 INCH IRON PIPE WITH A 3.25" ALUMINUM CAP STAMPED "MCGEE SURVEYING PLS 3945".

2007 - DANIEL BERG, PLS 6318, ON 174-RS-64-65, FINDS AND ACCEPTS THE MONUMENT SET BY MCGEE IN 2006.

HISTORY AND BOUNDARY DISCUSSION [CONTINUED]

OUR CURRENT SURVEY FINDS MCGEE'S MONUMENT, AS DESCRIBE IN HIS 2006 SURVEY. IN FEBRUARY, 2011, BLM REPLACED THIS MONUMENT AT THE SAME LOCATION AS PART OF THE 2011 BLM SURVEY. OUR CURRENT SURVEY ACCEPTS THIS MONUMENT FOR THE CORNER TO SECTIONS 26/27/34/35.

SOUTH LINE OF SECTION 27 & QUARTER CORNER S27/S34:

1873 - W.H. NORWAY, DEPUTY SURVEYOR IN HIS GLO NOTES 166-30, PAGE 17 & 18, RUNS THIS LINE BETWEEN THE COMMON CORNER THAT HE HAD SET FOR SECTIONS 27/28/33/34, ON PAGE 17 OF THE SAME NOTES, AND THE CORNER HE HAD SET FOR THE COMMON CORNER TO SECTIONS 26/27/34/35 ON PAGE 15 OF THE SAME NOTES. HE SETS A REDWOOD POST IN A MOUND OF ROCKS FOR THE QUARTER CORNER AT MIDPOINT BETWEEN THE CORNERS.

1917 - F.F. FLOURNOY, R.E. 420, ACTING AS A PRIVATE ENGINEER, NOT AS A US DEPUTY SURVEYOR, PERFORMS A SURVEY OF A PORTION OF SECTION 34, SHOWN ON 11-M&S-140. HE INDICATES "3/4" IRON PIPE ON STEEP RIDGE" FOR THE QUARTER CORNER COMMON TO S27/S34.

1919 - F.F. FLOURNOY, R.E. 420, ACTING AS A PRIVATE ENGINEER, NOT AS A US DEPUTY SURVEYOR, PERFORMS A SURVEY OF A PORTION OF SECTION 34, SHOWN ON 12-MB-27. HE INDICATES "3/4" PIPE" FOR THE QUARTER CORNER COMMON TO S27/S34.

1962 - M.L. GRANT, R.E. 7704, ON 64-RS-05 INDICATES "FD 3/4" PIPE (OPEN) R/S 11-140" AT THE QUARTER CORNER. HIS MAP ALSO INDICATES, THAT AT THAT TIME, THERE WAS NO MONUMENT AT THE SOUTHEAST CORNER OF SECTION 27. HE SETS A 1/2" PIPE ON A RIDGE 1096.64' EAST OF THE QUARTER CORNER ON THE EXTENSION OF A LINE FROM THE SOUTHWEST CORNER OF THE SECTION THROUGH THE FOUND QUARTER CORNER. HE ALSO SETS ANOTHER 1/2" PIPE 1308.90' EAST OF THE QUARTER CORNER ON THAT SAME EXTENSION OF THE SOUTH LINE OF THE SOUTHWEST QUARTER. THE DISTANCE OF 1308.90" IS 1/2 OF THE DISTANCE FROM THE SOUTHWEST SECTION CORNER TO THE QUARTER CORNER AS SHOWN ON FLOURNOY'S 1917 11-M&S-140. THIS IS APPARENTLY AN "INGENIOUS METHOD" INVENTED TO SET THE EAST 1/16TH, S27/S34, WITHOUT ACTUALLY LOCATING THE SOUTHEAST SECTION CORNER FROM WHICH TO DERIVE EITHER THE APPROPRIATE DISTANCE AND DIRECTION TO SET THE 1/16TH CORNER ACCORDING TO REQUIRED PROCEDURES.

1979 - L.M. CLEMENTS, LS 3306, ON 112-RS-20 INDICATES "3/4" PIPE (OPEN) REC. PER R/S 11/140 R/S 64-5" AT THE QUARTER CORNER.

1988 - RUSSELL SCOVILL, LS 5020, ON 140-RS-21 INDICATES BY SYMBOL, "NO POINT FOUND OR SET" AT THE QUARTER CORNER. REVIEW OF THIS MAP INDICATES THAT HE HELD A COMPUTED DISTANCE FROM A CONTROL POINT 1097' EASTERLY FROM CLEMENTS 112-RS-20, TO COMPUTE A LOCATION FOR THIS QUARTER CORNER.

2006 - MICHAEL MCGEE, PLS 3945, ON 174-RS-6&7, FINDS FLOURNOY'S 1917 3/4" IP PER 11-M&S-140 AT THE QUARTER CORNER, OPEN, AND SETS HIS TAG, "LS 3945" IN THE EXISTING PIPE. HE ALSO FINDS M.L. GRANT'S CONTROL POINT 1097 FEET EAST OF THE QUARTER CORNER TO BE 30.01' NORTH OF THE SECTION LINE, NOT 'ON' THE SECTION LINE AS GRANT HAD INDICATED.

2007 - DANIEL BERG, PLS 6318, ON 174-RS-64-65, FINDS AND ACCEPTS THE 3/4" IP & TAG "LS 3945" AT THE QUARTER CORNER PER MCGEE'S 2006 SURVEY. HE ALSO FINDS GRANT'S CONTROL POINT 1097 FEET EAST OF THE QUARTER CORNER TO BE 30.12 FEET NORTH OF THE SECTION LINE, GENERALLY AGREEING WITH THE MCGEE MAP IN THIS AREA.

OUR CURRENT SURVEY FINDS A 1/2 INCH INSIDE DIAMETER, 3/4" OUTSIDE DIAMETER, IRON PIPE WITH A BRASS TAG "LS 3945" WIRED TO THE SIDE OF THE PIPE. WE HAVE ACCEPTED THIS PIPE AS BEING THE QUARTER CORNER. WE HAVE ALSO FOUND THE GRANT CONTROL POINT WHICH IS A 3/4" IRON PIPE 1096.95' EAST ALONG THE SECTION LINE AND 30.10' NORTH OF THE SECTION LINE, GENERALLY MATCHING THE MCGEE AND BERG SURVEYS. WE DO NOT ACCEPT THIS M.L. GRANT MONUMENT AS REPRESENTING ANY SECTIONAL CONTROL.

SEE SHEET 1 FOR SURVEYOR'S AND COUNTY SURVEYOR'S STATEMENTS, MONUMENT SYMBOL DESCRIPTIONS, ABBREVIATIONS, BASIS OF BEARINGS, DATUM STATEMENT, AND CONTROL DIAGRAM.
SEE SHEETS 2 THROUGH 4 FOR DETAIL SURVEY.
SEE SHEET 5 FOR DETAILS OF APPARENT ENCROACHMENTS AND POSSIBLE ALTERNATE LOCATIONS FOR NW/NE/S33.
SEE SHEET 6 THROUGH 11 FOR MONUMENT DESCRIPTIONS.
SEE SHEET 12 THROUGH 17 FOR HISTORY AND BOUNDARY DISCUSSIONS.
SEE SHEET 18 FOR POSITIONAL TABLE, RECORD REFERENCE ABBREVIATIONS AND FOREST SIGNS USED.

HISTORY AND BOUNDARY DISCUSSION [CONTINUED]

CORNER TO SECTIONS 22/23/26/27:

1891 - JOHN K. HARRINGTON, DEPUTY SURVEYOR IN HIS GLO NOTES 128-18, PAGE 3, SET A SAND STONE 12X12X30 INCHES, 15 INCHES IN THE GROUND. RAISED A MOUND OF STONE ALONGSIDE, 2 FEET HIGH, 3 FOOT BASE FOR THE ORIGINAL SECTION CORNER.

1948 - C.S. 711, A SURVEY OF SECTION 22 AND A PORTION OF SECTION 21 FOR FOSTER GLEN COUNTY PARK BY THE SANTA BARBARA COUNTY SURVEYOR, F.E. EVANS, R.E. 1128, FINDS 'A "+" ON TOP OF ORIGINAL SANDSTONE MONUMENT, WITH TWO GROOVES CUT ON THE SOUTH AND EAST FACE'.

1955 - M.L. GRANT, R.E. 7704, SHOWS A SURVEY OF A PORTION OF SECTION 23 ON 36-RS-67. HE INDICATES "FOUND "X" IN TOP OF ORIGINAL SANDSTONE MON.".

1962 - M.L. GRANT, R.E. 7704, SHOWS A SURVEY OF SECTION 27 ON 64-RS-05. HE INDICATES 'FOUND "X" ON TOP OF ORIGINAL SANDSTONE MONUMENT'.

1979 - L.M. CLEMENTS, LS 3306, OF THE U.S. GRANT & SONS COMPANY, ON HIS 112-RS-20 SHOWS FINDING "X" IN TOP OF ORIGINAL SANDSTONE MONUMENT.

1984 - DAN JAHNS, LS 4997, ON HIS 115-RS-48, SHOWS "FND. 12"X12"X30" SANDSTONE MKD. W/2 NOTCHES ON SOUTH AND EAST EDGES".

1988 - RUSSELL SCOVILL, LS 5020, ON HIS 140-RS-21, INDICATES BY SYMBOL "NO POINT FOUND OR SET." IT APPEARS, THAT SINCE HE SHOWS THIS SAME SYMBOL FOR ALL BUT ONE OF THE SECTION AND QUARTER CORNERS OF SECTION 27, MANY OF WHICH WE KNOW CORNERS EXISTED AT THE TIME, THAT THIS NOTE SHOULD PROBABLY READ "DID NOT SEARCH".

1990 - RUSSELL SCOVILL, LS 5020, ON HIS 142-RS-68, INDICATES BY SYMBOL "NO POINT FOUND OR SET." AS ON HIS 1988 SURVEY, AGAIN, IT WOULD APPEAR THAT THE REAL MEANING OF THIS SYMBOL IS "DID NOT SEARCH".

2007 - DANIEL BERG, PLS 6318, ON HIS 174-RS-64-65, INDICATES "FD. ORIGINAL STONE 12"X12"X30" NOTCHED ON SIDES, DISTURBED ON SIDE OF STEEP UNSTABLE SLOPE. ACCEPT AS AN 'EXISTENT CORNER'. POSITION ESTABLISHED BY REFERENCE MONUMENTS PER 64-RS-05." "SET UPRIGHT & MEAS. TO FD. CHIS '+' AT TOP OF STONE N49°34'39"W, 1.56' FROM TRUE CORNER". THIS SURVEY ALSO SHOWS "FD CHIS "+" ON BOULDER, NO REC. S8°35'37"E. 4.97 FROM TRUE CORNER".

OUR CURRENT SURVEY FINDS THE ORIGINAL STONE AS DESCRIBED BY THE 2007 SURVEY SHOWN ON 174-RS-64, AND THE CHISELED + ON THE BOULDER TO THE SOUTHEAST. WE ACCEPT THE STABLE IMBEDDED BOULDER AS AN OFF-LINE WITNESS POINT. WE USE THE BERG DISTANCE AND DIRECTION FROM THE "+" ON THE IMBEDDED BOULDER TO ESTABLISH THE TRUE LOCATION OF THE SECTION CORNER, AND SET A STANDARD USFS MONUMENT STAMPED FOR THE CORNER RELATIVE TO THE IMBEDDED BOULDER. THE DISTANCE TO THE "+" ON THE ORIGINAL STONE FROM THE CORNER IS NOW 1.70' INSTEAD OF BERG'S 1.56', INDICATING THE ORIGINAL STONE HAS MOVED IN THE PAST 2 YEARS AND IS NOT STABLE. THE DISTANCE AND BEARING PER THE 2007 SURVEY FROM THE + ON THE ORIGINAL STONE HAS BEEN DISREGARDED.

RECORD OF SURVEY

OF THE BOUNDARIES OF THE U.S. FOREST LANDS WITHIN SECTIONS 27, 28, 29, & 33, TOWNSHIP 5 NORTH, RANGE 28 WEST, SAN BERNARDINO MERIDIAN, IN THE COUNTY OF SANTA BARBARA, STATE OF CALIFORNIA

OCTOBER, 2009 - APRIL, 2011
JOHNSON-FRANK & ASSOCIATES, INC.
5150 E. HUNTER AVENUE, ANAHEIM, CA 92807
714-777-8877

SHEET 16 OF 18 SHEETS

RS 6679 APR 15 : 153-170-004, 009, 011, 032
153-290-001, 003

HISTORY AND BOUNDARY DISCUSSION
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HISTORY AND BOUNDARY DISCUSSION
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HISTORY AND BOUNDARY DISCUSSION
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HISTORY AND BOUNDARY DISCUSSION
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COMMON LINE AND QUARTER CORNER, SECTIONS 26 & 27:

1873 – W.H. NORWAY, DEPUTY SURVEYOR IN HIS GLO NOTES 166–30, PAGE 16, RUNS THIS SECTION LINE NORTH FROM THE CORNER TO SECTIONS 26/27/34/35 THAT HE SET IN THE SAME SURVEY. AT 38.76 CHAINS, HE SETS A REDWOOD POST FOR A WITNESS CORNER TO THE QUARTER SECTION CORNER AND TERMINATES HIS SURVEY OF THIS SECTION LINE AT THAT MONUMENT STATING "THE MOUNTAINS ARE TOO ROUGH AND WORTHLESS TO PROCEED FURTHER NORTH ON THIS LINE".

1891 – JOHN K. HARRINGTON, DEPUTY SURVEYOR IN HIS GLO NOTES 128–18, PAGE 3, CONTINUES HIS SURVEY NORTH FROM THE CORNER TO SECTIONS 26/27/34/35 THAT HE HAD "REMONUMENTED" ON PAGE 2 OF THOSE NOTES. AT 31.35 CHAINS, HE INDICATES "FINDING THE 1/4 SEC. COR. WOULD FALL IN A DEEP GULCH NOT A SUITABLE PLACE TO ERECT A COR. I MARK A SAND STONE IN PLACE 6X3X3 FT., MARKED 1/4 & W.C. ON W. FACE FOR WITNESS 1/4 SEC. COR. BET. SECS 26 & 27". AT 38.76 CHAINS, WHERE NORWAY HAD INDICATING HE SET A POST FOR A W.C. IN 1873, HARRINGTON SAYS "FIND NO TRACE OF THE WITNESS COR. CALLED FOR". BY THE SETTING OF THIS WITNESS CORNER ON LINE BY HARRINGTON, SECTION 5–17 OF THE 1973 MANUAL OF SURVEYING INSTRUCTIONS INDICATES THAT THE WITNESS CORNER BECOMES AN ANGLE POINT IN THE LINE, AND A POINT FROM WHICH TO PROPORTION LOST INTERMEDIATE CORNERS OR SECTIONAL BREAKDOWN POINTS. FROM HIS WITNESS CORNER, HARRINGTON CONTINUES NORTH ON THE SECTION LINE AND SETS THE COMMON CORNER TO SECTIONS 22/23/26/27, AS DISCUSSED ABOVE.

1962 – M.L. GRANT, R.E. 7704, SHOWS A SURVEY OF SECTION 27 ON 64–RS–05. HE FINDS NO MONUMENT AT THE SOUTH END OF THE SECTION LINE, AND MAKES NO INDICATION THAT HE SEARCHED FOR THE QUARTER CORNER OR THE WITNESS CORNER. HE DRAWS THE SECTION LINE STRAIGHT BETWEEN SECTION CORNERS, BUT SHOWS NO DIMENSIONAL DATA ON THIS SECTION LINE.

1979 – L.M. CLEMENTS, LS 3306, OF THE U.S. GRANT & SONS COMPANY, ON HIS 112–RS–20 SHOWS FINDING NO MONUMENT AT THE SOUTH END OF THE SECTION LINE, AND MAKES NO INDICATION THAT HE SEARCHED FOR THE QUARTER CORNER OR THE WITNESS CORNER. HE DRAWS THE SECTION LINE STRAIGHT, BUT SHOWS NO DIMENSIONAL DATA ON THIS SECTION LINE.

1988 – RUSSELL SCOVILL, LS 5020, ON HIS 140–RS–21, FINDS NO MONUMENT AT EITHER END OF THE SECTION LINE, AND MAKES NO INDICATION FOR THE QUARTER CORNER AT ALL. HE DRAWS THE SECTION LINE STRAIGHT, BUT SHOWS NO DIMENSIONAL DATA ON THIS SECTION LINE.

2005 – MARK E. REINHARDT, PLS 6392, ON HIS CORNER RECORD 3203, INDICATES FINDING HARRINGTON'S 1891 WITNESS CORNER MONUMENT, AND SETS A 2" BRASS CAP STAMPED "T5N R38W 1/4 S27 S26 WC 2005 LS 6392" IN THE TOP CENTER OF THE STONE.

2006 – MICHAEL R. MCGEE, PLS 3945, ON HIS 174–RS–6&7, FINDS THE BRASS CAP IN THE WITNESS CORNER STONE AS SET BY REINHARDT IN 2005 AND USES IT AS ONE OF THE FOUR POINTS TO DOUBLE PROPORTION THE LOST CORNER TO SECTIONS 26/27/34/35.

2007 – DANIEL BERG, PLS 6318, ON HIS 174–RS–64–65, INDICATES "FD. & ACCEPT. ORIGINAL W.C. STONE, 3'X3'X6' SCRIBED "1/4, S. W.C." WITH BRASS CAP "LS6392" ESTB. 1/4 COR. AT R9 [HARRINGTON'S 1891 FIELD NOTES] DIST. FROM THIS W.C." THE DIMENSIONS ON THIS MAP, INDICATE, THAT MR. BERG PROLONGED THE LINE FROM THE SOUTHEAST SECTION CORNER, THROUGH THE WITNESS CORNER, TO PRODUCE THE LINE ON TO THE NORTH TO ESTABLISH THE LOCATION OF THE 1/4 CORNER. WITH THIS SITUATION OF AN ONLINE WITNESS CORNER, SECTION 5–17 OF THE 1973 MANUAL OF SURVEYING INSTRUCTIONS INDICATE THAT THE WITNESS CORNER BECOMES AN ANGLE POINT IN THE LINE, AND A POINT FROM WHICH TO PROPORTION LOST INTERMEDIATE CORNERS OR SECTIONAL BREAKDOWN POINTS. MR. BERG'S METHOD OF PROLONGING THE LINE FROM THE SOUTH AND HOLDING THE RECORD DISTANCE IS CONTRARY TO THE FEDERAL ACT OF FEBRUARY 11, 1805, THE MANUAL OF SURVEYING INSTRUCTIONS, AND THE BLM PAMPHLET "RESTORATION OF LOST CORNERS AND SUBDIVISION OF SECTIONS". THE LOCATION FOR THE QUARTER CORNER, HOLDING THE WITNESS CORNER AS A CONTROLLING ANGLE POINT IN THE SECTION LINE, AND PROPORTIONING THE ORIGINAL DISTANCES FROM THAT CONTROLLING ANGLE POINT TO THE NEXT CONTROL TO THE NORTH, IN CONFORMANCE FEDERAL LAW AND THE BY THE MANUAL OF INSTRUCTIONS, PLACES THE TRUE LOCATION FOR THE QUARTER CORNER S07°20'13"E, 21.51 FEET FROM MR. BERG'S LOCATION. ALSO, MR. BERG'S QUARTER CORNER LOCATION COMPUTES TO BE 3.22 FEET WEST OF THE SECTION LINE AS THAT LINE WAS RUNE BETWEEN THE WITNESS CORNER AND THE NORTHEAST CORNER OF S27. THIS DIFFERENCE MAKES MAJOR DIFFERENCES IN THE BREAKDOWN OF BOTH SECTIONS 27 AND SECTION 26 AND THE LOCATIONS OF THE FEDERAL/PRIVATE PROPERTY LINE LOCATIONS.

IN OUR CURRENT SURVEY, WE HAVE FOUND THE SECTION CORNERS AT BOTH ENDS OF THIS SECTION LINE AS DESCRIBED ABOVE, AS WELL AS THE WITNESS CORNER AS SHOWN BY THE 2005, 2006, AND 2007 SURVEYS ABOVE. WE HAVE COMPUTED THE LOCATION OF THE QUARTER CORNER BY SINGLE PROPORTIONATE MEASURE BETWEEN THE WITNESS CORNER AND THE NORTHEAST CORNER OF SECTION 27, IN CONFORMANCE WITH THE FEDERAL ACT OF FEBRUARY 11, 1805 AND BLM DIRECTIVES, AND SET A SFSM AT THAT LOCATION.

COMMON LINE AND QUARTER CORNER, SECTIONS 22 & 27:

1891 – JOHN K. HARRINGTON, DEPUTY SURVEYOR IN HIS GLO NOTES 128–18, PAGE 4 & 5, RUNS THIS LINE FOR THE FIRST TIME. AT 38.85 CHAINS FROM THE NORTHEAST CORNER OF SECTION 27, HE INDICATES "AS THE 1/4 SEC. COR. WOULD FALL IN A DEEP GULCH I MARKED A LARGE SAND STONE IN PLACE 4X4X4 FT. LONG ON SIDE OF STEEP BLUFF FACING W. MARKED W.C. 1/4 S ON THE N. SIDE". HE THEN CONTINUES TO THE WEST INDICATING AT 40.10 CHAINS "PLACE FOR 1/4 SEC. COR." THIS MAKES THE STONE WITNESS CORNER THE ORIGINAL CONTROLLING CORNER ALONG THIS SECTION LINE AND IT SHOULD BE 1.25 CHAINS [82.50 FEET] TO THE QUARTER CORNER.

1928–1930± – GEORGE A. MILLER, R.E. 1122 & LS 1423, ON AN UNRECORDED MAP ON FILE AT THE OFFICE OF THE SANTA BARBARA COUNTY SURVEYOR, ENTITLED "MAP OF A PORTION OF THE PROPERTY OF THE SAN MARCOS SYNDICATE INCORPORATED" IN SECTION 27, INDICATES "X ON BOULDER MKD 'W.C. 1/4 S', AND 82.50' WEST, INDICATES "N 1/4 COR." AND "PIPE".

1948, MAY–OCT – C.S. 711, A SURVEY OF SECTION 22 AND A PORTION OF SECTION 21 FOR FOSTER GLEN COUNTY PARK BY THE SANTA BARBARA COUNTY SURVEYOR, F.E. EVANS, R.E. 1128, FINDS THE HARRINGTON WITNESS CORNER STONE "LYING ON ITS SIDE". THEY ALSO FIND A "1/2 INCH PIPE SET BY MILLER", FROM WHICH THE MAP INDICATES THAT "G.A. MILLER TIE DISTANCE" TO THE "ORIGINAL EAST–WEST POSITION OF THE 1/4 SEC. COR. WITNESS MONUMENT" IS 29.28'. CS711 SHOWS "SET 3/4" PIPE W.C. 1/4 COR." ON A STRAIGHT LINE BETWEEN THE SECTION CORNERS, AND THAT PIPE IS 29.88' EAST OF THE MILLER PIPE [0.60 FOOT FURTHER FROM THE QUARTER CORNER LOCATION THAN THE ORIGINAL STONE], MAKING THE DISTANCE TO THE 1/4 CORNER LOCATION 83.10' FROM THE COUNTY SET WITNESS CORNER PIPE.

1948, NOV – U.S. GRANT, R.E. 1564, SHOWS A SURVEY OF LAND IN THE SOUTHWEST QUARTER OF SECTION 22 ON 29–RS–113. AT THE QUARTER CORNER LOCATION HE INDICATES "SET 3/4" P". HE ALSO INDICATES "FD W.P." AT A POINT EAST OF THE QUARTER CORNER, AND "MEAS. 83.10' FROM CO. WITNESS PIPE TO 3/4" COR. MON". THUS, HE IS HOLDING THE COUNTY'S DISTANCE FROM THEIR RECENTLY SET WITNESS CORNER MONUMENT TO SET THE ACTUAL 1/4 CORNER FOR THE FIRST TIME.

1962 – M.L. GRANT, R.E. 7704, SHOWS A SURVEY OF SECTION 27 ON 64–RS–05. HE FINDS '3/4" PIPE R.E. 1954" AT THE QUARTER CORNER AND THE "3/4" PIPE S.B. COUNTY" 83.10' EASTERLY, ALL IN AGREEMENT WITH THE TWO 1948 SURVEYS ABOVE.

1977 – KARL W. GRAHAM, JR., LS 3873, SURVEYING LAND IN SECTION 22, SHOWN ON 110–RS–41&42, SHOWS THE SOUTH LINE OF THAT SECTION AS A STRAIGHT LINE FROM SECTION CORNER TO SECTION CORNER. HE SHOWS COMPUTING THE QUARTER CORNER AT A LOCATION 82.75' WEST OF THE COUNTY'S C.S. 711 WITNESS MONUMENT INSTEAD OF THE 83.10' SHOWN BY ALL OTHER RECORDS. IT IS NOT APPARENT FROM A STUDY OF THIS MAP, HOW THAT DISTANCE WAS DERIVED.

1979 – L.M. CLEMENTS, LS 3306, OF THE U.S. GRANT & SONS COMPANY, ON HIS 112–RS–20 SHOWS EXACTLY THE SAME DATA AND MONUMENTATION ALONG THIS SECTION LINE AS THE 1962 GRANT CO SURVEY ABOVE. IN FACT, WE NOTE THAT THE 1948, 1962, AND 1979 GRANT CO SURVEYS ABOVE ARE ALL EXACT RECORD IN MONUMENTATION AND DIMENSIONS TO THE 1948 C.S.711 SURVEY.

1984 – DAN JAHNS, PLS 4997, SURVEYING THE EXTERIOR OF SECTION 22 ON 115–RS–48, SHOWS THIS SECTION LINE TO BE A STRAIGHT LINE FROM SECTION CORNER TO SECTION CORNER WITH NO INDICATION OF THE QUARTER CORNER OR THE WITNESS MONUMENT. IT COULD BE NOTED AT THIS POINT, THAT NONE OF THE RECORDS TO THIS POINT HAD INDICATED AN ANGLE POINT AT THE QUARTER CORNER, EVEN THOUGH THERE HAD BEEN A CONTROLLING ANGLE POINT MONUMENT 85.8' EAST OF THE 1/4 CORNER SINCE THE ORIGINAL 1891 SURVEY.

1988 – RUSSELL SCOVILL, LS 5020, ON HIS 140–RS–21, INDICATES BY SYMBOL THAT "NO POINT FOUND OR SET" AT ANY OF THE THREE CONTROLLING CORNERS ALONG THIS SECTION LINE. THE DATA SHOWN IS EXACT RECORD PER C.S. 711. THIS WOULD APPEAR TO BE A "NON–SURVEY" ALONG THE NORTH LINE OF SECTION 27.

1990 – RUSSELL SCOVILL, LS 5020, ON HIS 142–RS–68–72, INDICATES FINDING A '3/4" IRON PIPE' OPEN AT THE QUARTER CORNER PER THE ABOVE G.A. MILLER SURVEY, AND SETTING HIS TAG IN THE PIPE. HE ALSO SHOWS FINDING A 1/2" PIPE PER THE MILLER SURVEY AT THE EAST 1/16TH, S22/S27, HOLDING IT FOR THE 1/16TH, AND SETTING HIS TAG IN SAME. HE ALSO SHOWS FINDING A 1/2" PIPE PER MILLER 35.51' EAST OF THE C–N 1/16TH, S27, AND SETTING HIS TAG IN SAME. HE SHOWS SETTING A 1/2" IP WITH HIS TAG AT THE NE 1/16TH S27. THIS MAP SHOWS NO ATTEMPT TO LOCATE THE EXTERNAL CONTROL FOR SECTION 27 IN ORDER TO PROPERLY BREAK OUT THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF THE SECTION. THIS SURVEY SEEMS TO BE ENTIRELY DEPENDENT ON THE 1928–1930 MILLER SURVEYS. THE MAPS THAT WE HAVE BEEN ABLE TO RETRIEVE FROM THE COUNTY FOR THAT 1928–1930 SURVEY ALSO SHOW NO ATTEMPT TO PROPERLY LOCATE THE CONTROL FROM WHICH TO BREAK DOWN SECTION 27. IN A SECTION WHICH INCLUDES LAND WHICH HAS NEVER LEFT FEDERAL OWNERSHIP, SUCH AS THIS ONE, THIS IS VERY POOR PRACTICE. THE GOVERNMENT LINES ARE CONTROLLED BY THE ORIGINAL GENERAL LAND OFFICE SURVEYS AND ORIGINAL MONUMENTS, AND THE GOVERNMENT GENERALLY DOES NOT ADOPT PRIVATELY SET CORNERS, UNLESS THEY HAVE BEEN SET IN ACCORDANCE WITH THE MANUAL OF INSTRUCTIONS AND FEDERAL RULES AT THE TIME OF THE SURVEY.

2007 – DANIEL BERG, PLS 6318, ON HIS 174–RS–64–65, INDICATES FINDING THE 1948 C.S. 711 WITNESS CORNER MONUMENT EAST OF THE QUARTER CORNER. HE THEN COMPUTES THE LOCATION OF THE QUARTER CORNER AT THE C.S. 711 RECORD DISTANCE OF 83.10' WEST OF, AND ON LINE BETWEEN THE WITNESS MONUMENT AND THE NORTHWEST CORNER OF SECTION 27.

IN THE CURRENT SURVEY, WE FIND THE COUNTY WITNESS CORNER MONUMENT FROM THE 1948 C.S. 711, ALONG WITH SEVERAL OTHER MONUMENTS ALONG OR CLOSE TO THE SECTION LINE. WE HOLD THE RECORD DISTANCE OF 83.10 FROM THE COUNTY W.C. MONUMENT AS HAS BEEN HELD SINCE 1948, AND COMPUTE THE CORNER ON THE LINE BETWEEN THE WITNESS CORNER MONUMENT AND THE NORTHWEST CORNER OF THE SECTION. WE HOLD THE COUNTY WITNESS CORNER MONUMENT AS AN ANGLE POINT IN THE SECTION LINE. THE COUNTY WITNESS MONUMENT IS 0.18' SOUTH OF A STRAIGHT LINE BETWEEN THE SECTION CORNERS, MAKING A 0°00'29" DEFLECTION AT THIS POINT.

NOTE: ON THIS LINE, THE LOCATION OF THE 1/4 CORNER BETWEEN A WITNESS CORNER SET BY HARRINGTON IN 1891, AND THE SECTION CORNER TO THE WEST, ALSO SET BY HARRINGTON IN THE SAME SURVEY, SHOULD HAVE BEEN DETERMINED BY PROPORTIONING HARRINGTON'S ORIGINAL DISTANCES BETWEEN HIS ORIGINAL CORNERS, JUST LIKE THE 1/4 CORNER S27/S26, DESCRIBED ABOVE. THAT WOULD HAVE PLACED THIS 1/4 CORNER ABOUT FIVE FEET EAST OF THE LOCATION IN USE SINCE 1928. HOWEVER, IN THIS CASE, THE CURRENT POSITION HAS BEEN ACCEPTED AND USED BY ALL SURVEYS, IN BOTH SECTIONS 22 AND 27 FOR OVER 70 YEARS, INCLUDING THE 1948 COUNTY SURVEYOR'S SURVEY, CS711. WITH THAT PERIOD OF ACCEPTANCE AND USE, WE ALSO ACCEPT THE CS711 LOCATION FOR THIS 1/4 CORNER.

SECTION 27 SECTIONAL BREAKDOWN:

THIS SECTION IS A PROBLEM DUE TO:

1) THERE IS FEDERALLY OWNED LAND IN THIS SECTION THAT HAS NEVER BEEN PATENTED OUT, THUS, THE LINES OF THOSE LANDS MUST BE LOCATED USING THE FEDERAL RULES AS SET FORTH IN THE FEDERAL ACT OF FEB. 11, 1805, THE "MANUAL OF INSTRUCTIONS FOR THE SURVEY OF THE PUBLIC LANDS OF THE UNITED STATES", THE PAMPHLET 'RESTORATION OF LOST OR OBLITERATED CORNERS AND SUBDIVISION OF SECTIONS", ALONG WITH OTHER FEDERAL RULES AND IBLA DECISIONS. STATE RULES DO NOT APPLY FOR THE LINES BETWEEN FEDERAL AND PRIVATE HOLDINGS IN THIS SECTION.

2) SOME EARLY SURVEYS, ALONG WITH SOME "NOT SO EARLY" SURVEYS, HAVE ATTEMPTED TO DETERMINE SECTIONAL BREAKDOWN LINES WITHOUT ACTUALLY SURVEYING THE SECTION.

SEE SHEET 1 FOR SURVEYOR'S AND COUNTY SURVEYOR'S STATEMENTS, MONUMENT SYMBOL DESCRIPTIONS, ABBREVIATIONS, BASIS OF BEARINGS, DATUM STATEMENT, AND CONTROL DIAGRAM.
SEE SHEETS 2 THROUGH 4 FOR DETAIL SURVEY.
SEE SHEET 5 THROUGH 9 FOR MONUMENT DESCRIPTIONS.
SEE SHEET 10 THROUGH 14 FOR HISTORY AND BOUNDARY DISCUSSIONS.
SEE SHEET 15 FOR POSITIONAL TABLE, RECORD REFERENCE ABBREVIATIONS AND FOREST SIGNS USED.
SEE SHEET 16 FOR APPARENT ENCROACHMENT DETAILS.

3) THIS IS COMPOUNDED BY SOME SURVEYS OF MEDIUM AGE WHICH FIND THE MONUMENTS SET BY THE EARLY SURVEYS, HOLD THEM, AS MIGHT BE PERMISSIBLE UNDER STATE LAW, TO SET OTHERS, EVEN THOUGH THE FIRST MONUMENTS WERE NOT SET IN ACCORDANCE WITH THE FEDERAL RULES.

4) RECENT ESTABLISHMENT OF THE LOCATION OF THE EAST 1/4 CORNER FROM A WITNESS CORNER BY PROCEDURES CONTRARY TO FEDERAL LAW, MAKING A DIFFERENCE OF SOME 21.3' IN THE NORTH–SOUTH LOCATION OF THAT EAST QUARTER CORNER, AND THE EAST END OF THE EAST–WEST CENTER SECTION LINE.

5) NO RECORD SURVEYS UP TO THIS TIME HAVE INDICATED ANY ATTEMPTED TO LOCATE THE CONTROLLING ANGLE POINT SET BY THE ORIGINAL GLO SURVEYORS ALONG THE WEST LINE OF THE SECTION, AND THEREBY, HAVE NOT USED AVAILABLE EXISTING ORIGINAL MONUMENTATION TO DETERMINE THE SECTION LINE OR THE EAST–WEST CENTER SECTION LINE.

6) THERE IS A DIFFERENCE OF 2.8 CHAINS BETWEEN THE ORIGINAL SURVEYS AND CURRENT SURVEYS ALONG THE WEST LINE OF THE SECTION. THUS, WHEN THE EXISTING 1873–1891 WITNESS POINT/CORNER IS SEARCH, FOUND AND USED, THE RESULTING LOCATION FOR THE "LOST" WEST QUARTER CORNER FALLS 31 FEET SOUTH OF THE 2007 LOCATION AT THE MIDPOINT BETWEEN THE SECTION CORNERS.

7) THIS DIFFERENCE IN THE LOCATION OF THE EAST–WEST CENTER SECTION LINE RIPPLES THROUGHOUT THE SECTION AS IT RELATES TO THE LINES OF LAND WHICH HAVE ALWAYS BEEN FEDERALLY OWNED. THIS MAINLY AFFECTS THE LINES AND MONUMENTS SHOWN ON 174–RS–64 ALONG THE SOUTH LINES OF THE NORTHWEST QUARTER OF THE SECTION. THE MONUMENTS SET BY 142–RS–68, ARE OUTSIDE OF FEDERALLY OWNED LANDS, BY OVER 13 FEET. WHILE HOW THEY ARRIVED AT THAT LOCATION MIGHT BE INTERESTING TO KNOW, IT IS NOT A CONCERN TO THE CURRENT SURVEY.

SECTION 28 SECTIONAL BREAKDOWN:

THE ONLY INDICATION OF ANY SURVEY EFFORT HAVING HAPPENED INSIDE SECTION 28, IS THE FACT THAT 61–RS–36, IN 1960 SHOWS GOVERNMENT LOT 2, BUT INDICATES THAT IT IS "NOT SURVEYED". WE HAVE SEARCHED AT ALL THE CORNERS OF THIS LOT, AND HAVE FOUND NO MONUMENTATION OF ANY KIND, AND NO DEFINING OCCUPATIONS SUCH AS FENCES OR BUILDINGS.

WE FIND NO RECORDS OF SURVEYS AND FIND NO DEFINED OCCUPATION IN THE REST OF THIS SECTION.

IN THE CURRENT SURVEY WE BREAK THIS SECTION DOWN IN NORMAL MANNER, AND MONUMENT THE CORNERS OF GOVERNMENT LOT 2 AND THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER. THE REMAINDER OF THE SECTION IS FEDERAL PROPERTY.

SECTION 29 SECTIONAL BREAKDOWN:

THE FEDERAL LAND IN THIS SECTION IS THE WEST 1/2 OF THE NORTHWEST QUARTER AND THE EAST 1/2 OF THE NORTHEAST QUARTER. WE HAVE BROKEN THE SECTION DOWN USING THE EXTERIOR CONTROL IN A NORMAL MANNER, AND MATCH VERY CLOSELY TO THE WORK DONE IN 1965 BY HUGH B. SIMPSON AND SHOWN ON 69–RS–80.

SECTION 33 SECTIONAL BREAKDOWN:

SEE THE ABOVE SECTION ENTITLED "LOCATION OF FEDERALLY OWNED LAND IN SECTION 33, T5N, R28W, S8M:" FOR DISCUSSION OF FEDERAL LAND LOCATION IN THIS SECTION.

RECORD OF SURVEY

OF THE BOUNDARIES OF THE U.S. FOREST LANDS WITHIN SECTIONS 27, 28, 29, & 33, TOWNSHIP 5 NORTH, RANGE 28 WEST, SAN BERNARDINO MERIDIAN, IN THE COUNTY OF SANTA BARBARA, STATE OF CALIFORNIA

OCTOBER, 2009 – APRIL, 2011
JOHNSON-FRANK & ASSOCIATES, INC.
5150 E. HUNTER AVENUE, ANAHEIM, CA 92807
714–777–8877

SHEET 17 OF 18 SHEETS

RS 6679 APN'S: 153-170-004, 009, 011, 032
153-290-001, 003

ABBREVIATIONS USED FOR
RECORD REFERENCES

"2011 BLM SURVEY" – SURVEY MADE BY THE DEPARTMENT OF THE INTERIOR, BUREAU OF LAND MANAGEMENT, CADASTRAL SURVEY IN FEBRUARY AND MARCH OF 2011, TO INVESTIGATE AND DETERMINE THE LINE BETWEEN SECTIONS 28 AND 27, T5N, R28W, SBM, AND TO MONUMENT THE FEDERAL OWNERSHIP CORNERS THEREON. REPORT DATED MARCH 4, 2011 AND APPROVED BY LANCE BISHOP, CALIFORNIA BRANCH CHIEF, MARCH 17, 2011.

CS711 SURVEY OF FOSTER GLEN CO. PARK, F.E. EVANS, R.E. 1128, COUNTY SURVEYOR [1948]

M1 MAP OF SURVEY PERFORMED BY GEORGE MILLER ENTITLED "MAP OF A PORTION OF THE PROPERTY OF THE SAN MARCOS SYNDICATE INCORPORATED" ON FILE IN THE OFFICE OF THE SANTA BARBARA COUNTY SURVEYOR. THE MAP SHOWS NO DATE, BUT 142–RS–68 INDICATES THAT IT IS FROM THE 1928–1930 TIME PERIOD.

M11 MAPS AND SURVEYS 11–M&S–140, F.F. FLOURNOY, R.E. 420 [1917]

M12 MAP BOOK 12–MB–22, F.F. FLOURNOY, R.E. 420 [1919]

M57 TRACT 10145, BOOK 57, PAGE 27 TO 37, MAPS, M.L. GRANT, R.E. 7704 [1961]

M181 TRACT 14304, BOOK 184, PAGES 90 TO 95, MAPS, BARRY J. WATERS, PLS 6419 [1996]

P73 OFFICIAL PLAT FOR T5N, R28W, SBM, APPROVED MAY 5, 1873.

P75 OFFICIAL PLAT FOR T5N, R28W, SBM, APPROVED APRIL 23, 1875.

P93 OFFICIAL PLAT FOR T5N, R28W, SBM, APPROVED APRIL 28, 1893.

P00 OFFICIAL PLAT FOR T5N, R28W, SBM, APPROVED OCT 23, 1900.

R25 RECORD OF SURVEY, 25–RS–119, KENNETH W. WRIGHT, R.E. 2928 [1939]

R27 RECORD OF SURVEY, 27–RS–41, C.L. LAURABEE, LS 1954 [1944]

R29 RECORD OF SURVEY, 29–RS–113, U.S. GRANT, R.E. 1564 [1948]

R39 RECORD OF SURVEY, 39–RS–21, M.L. GRANT, R.E. 7704 [1957]

R49 RECORD OF SURVEY, 49–RS–34, EDWIN H. WAIT, R.E. 4653 [1959]

R61 RECORD OF SURVEY, 61–RS–36, EDWIN H. WAIT, R.E. 4653 [1960]

R64 RECORD OF SURVEY, 64–RS–05, M.L. GRANT, R.E. 7704 [1962]

R69 RECORD OF SURVEY, 69–RS–80, HUGH B. SIMPSON, LS 3146 [1965]

R85 RECORD OF SURVEY, 85–RS–07, HUGH B. SIMPSON, LS 3146 [1969]

R88 RECORD OF SURVEY, 88–RS–54, ROLAND F. GROOM, LS 3253 [1975]

R110 RECORD OF SURVEY, 110–RS–41 & 42, KARL W. GRAHAM, LS 3873 [1977]

R112 RECORD OF SURVEY, 112–RS–20, L.M. CLEMENTS, LS 3306 [1979]

R115 RECORD OF SURVEY, 115–RS–48, DAN JAHNS, LS 4997 [1984]

R117 RECORD OF SURVEY, 117–RS–18 THROUGH 20, KARL W. GRAHAM, LS 3873, [1986]

R140 RECORD OF SURVEY, 140–RS–21, RUSSELL SCOVILL, LS 5020 [1988]

R142A RECORD OF SURVEY, 142–RS–80, HUGH B. SIMPSON, LS 3146, [SURVEY 1983, RECORDED 1991]

R142B RECORD OF SURVEY, 142–RS–68 THROUGH 72,RUSSELL SCOVILL, LS 5020 [1990]

R174M RECORD OF SURVEY, 174–RS–6&7, MICHAEL MCGEE, PLS 3945 [2006]

R174B RECORD OF SURVEY, 174–RS–64&65, DANIEL BERG, PLS 6318, [2007]

SEE SHEET 1 FOR SURVEYOR'S AND COUNTY SURVEYOR'S STATEMENTS, MONUMENT SYMBOL DESCRIPTIONS, ABBREVIATIONS, BASIS OF BEARINGS, DATUM STATEMENT, AND CONTROL DIAGRAM.
SEE SHEETS 2 THROUGH 4 FOR DETAIL SURVEY.
SEE SHEET 5 FOR DETAILS OF APPARENT ENCROACHMENTS AND POSSIBLE ALTERNATE LOCATIONS FOR NW/NE/S33.
SEE SHEET 6 THROUGH 11 FOR MONUMENT DESCRIPTIONS.
SEE SHEET 12 THROUGH 17 FOR HISTORY AND BOUNDARY DISCUSSIONS.
SEE SHEET 18 FOR POSITIONAL TABLE, RECORD REFERENCE ABBREVIATIONS AND FOREST SIGNS USED.

PROJECT POSITIONAL TABLE

POINT #	STATE NORTH	PLANE	ZONE	V EAST	GEOGRAPHIC N. LATITUDE	POSITIONS W. LONGITUDE	POINT #
2199	2001665.27		6011249.98		34°28'44.0524"	119°49'35.3917"	2199
2200	2001637.71		6008912.24		34°28'43.3588"	119°50'03.3066"	2200
8014	2007117.11		6006173.57		34°29'37.0575"	119°50'37.2165"	8014
8018	2006641.78		6022230.36		34°29'35.2274"	119°47'25.3046"	8018
8020	2006711.39		6018997.55		34°29'35.3445"	119°48'03.9376"	8020
8022	2001647.92		6018780.27		34°28'45.2251"	119°48'05.4489"	8022
8023	2001671.76		6016164.37		34°28'44.9960"	119°48'36.6975"	8023
8024	2001638.31		6019877.46		34°28'45.3244"	119°47'52.3424"	8024
8027	2006649.93		6021514.75		34°29'35.1817"	119°47'33.8548"	8027
8028	2003564.74		6021445.83		34°29'04.6551"	119°47'34.0207"	8028
8029	2001552.61		6021412.72		34°28'44.7480"	119°47'33.9874"	8029
8030	2001542.79		6021398.54		34°28'44.6483"	119°47'34.1548"	8030
8034	2001657.21		6017759.91		34°28'45.1359"	119°48'17.6378"	8034
8038	2002332.24		6018798.52		34°28'51.9967"	119°48'05.3775"	8038
8040	2004209.79		6016935.26		34°29'10.2360"	119°48'28.0355"	8040
8041	2004204.48		6017254.03		34°29'10.2401"	119°48'24.2267"	8041
8042	2004199.28		6017572.88		34°29'10.2453"	119°48'20.4171"	8042
8043	2004183.96		6018504.36		34°29'10.2592"	119°48'09.2876"	8043
8046	2005473.50		6017627.60		34°29'22.8579"	119°48'20.0369"	8046
8048	2002945.66		6016260.98		34°28'57.6129"	119°48'35.8176"	8048
8052	1998142.89		6016105.01		34°28'10.0827"	119°48'36.6474"	8052
8057	2006741.57		6017672.91		34°29'35.4079"	119°48'19.7678"	8057
8059	2005422.32		6020182.21		34°29'22.8046"	119°47'49.5106"	8059
8060	2005445.81		6018916.73		34°29'22.8129"	119°48'04.6321"	8060
8063	2006877.18		6011470.07		34°29'35.6409"	119°49'33.8940"	8063
8067	2003126.42		6006099.25		34°28'57.5739"	119°50'37.2297"	8067
8068	2002638.63		6006090.13		34°28'52.7477"	119°50'37.2318"	8068
8071	2007057.07		6007497.64		34°29'36.7036"	119°50'21.3864"	8071
8072	2006937.10		6010145.86		34°29'35.9953"	119°49'49.7255"	8072
8074	2004306.28		6011402.64		34°29'10.2011"	119°49'34.1415"	8074
8075	2004343.43		6010082.68		34°29'10.3310"	119°49'49.9159"	8075
8076	2004381.26		6008763.36		34°29'10.4671"	119°50'05.6830"	8076
8077	2004418.50		6007443.61		34°29'10.5969"	119°50'21.4551"	8077
8094	2006760.65		6016795.92		34°29'35.4407"	119°48'30.2481"	8094
8101	2009437.51		6016488.98		34°30'01.8618"	119°48'34.4904"	8101
8117	1999425.35		6011295.90		34°28'21.9065"	119°49'34.3572"	8117
8120	2001705.29		6013523.23		34°28'44.8560"	119°49'08.2496"	8120
8122	2000368.44		6014828.97		34°28'31.8672"	119°48'52.3661"	8122
8123	2001689.85		6014843.02		34°28'44.9393"	119°48'52.4831"	8123
8128	1996375.94		6017405.35		34°27'52.8378"	119°48'20.7392"	8128
8129	2004455.84		6006124.10		34°29'10.7271"	119°50'37.2242"	8129
8130	2001796.70		6006074.25		34°28'44.4177"	119°50'37.2370"	8130
8141	1999094.40		6011369.50		34°28'18.6464"	119°49'33.4064"	8141
8147	2005637.27		6016374.08		34°29'24.2547"	119°48'35.0457"	8147
8149	2007435.78		6016444.95		34°29'42.0557"	119°48'34.5859"	8149
8158	2007894.54		6013802.85		34°29'46.1215"	119°49'06.2473"	8158
8162	2006734.32		6016432.01		34°29'35.1155"	119°48'34.5896"	8162
8164	2006726.26		6016411.05		34°29'35.0320"	119°48'34.8382"	8164
8173	1996375.55		6017406.11		34°27'52.8341"	119°48'20.7301"	8173
8404	1996478.67		6010984.49		34°27'52.7061"	119°49'37.4365"	8404
8407	1996832.87		6011475.70		34°27'56.2976"	119°49'31.6475"	8407
8409	1997520.60		6011599.80		34°28'03.1220"	119°49'30.3147"	8409
8411	1996666.74		6011583.65		34°27'54.6739"	119°49'30.3224"	8411
9007	2006768.71		6016430.44		34°29'35.4554"	119°48'34.6158"	9007
9021	2006713.25		6018914.48		34°29'35.3482"	119°48'04.9303"	9021
9026	2006654.85		6021514.09		34°29'35.2303"	119°47'33.8637"	9026
9042	2004170.92		6017572.08		34°29'09.9648"	119°48'20.4206"	9042
9044	2004152.31		6018846.64		34°29'10.0068"	119°48'05.1924"	9044
9050	2004189.54		6016297.52		34°29'09.9221"	119°48'35.6488"	9050
9057	2006743.98		6017672.46		34°29'35.4020"	119°48'19.7730"	9057
9058	2006684.06		6020214.29		34°29'35.2896"	119°47'49.3970"	9058
9059	2005408.64		6020183.29		34°29'22.6695"	119°47'49.4948"	9059
9060	2005432.78		6018880.56		34°29'22.6775"	119°48'05.0614"	9060
9062	2006821.83		6013797.80		34°29'35.5109"	119°49'06.0758"	9062
9065	2005786.47		6006148.83		34°29'23.8923"	119°50'37.2204"	9065
9071	2007057.13		6007497.69		34°29'36.7042"	119°50'21.3858"	9071
9072	2006937.16		6010145.94		34°29'35.9959"	119°49'49.7246"	9072
9075	2004343.68		6010082.92		34°29'10.3334"	119°49'49.9131"	9075
9076	2004381.07		6008763.21		34°29'10.4652"	119°50'05.6848"	9076
9077	2004418.45		6007443.65		34°29'10.5964"	119°50'21.4545"	9077
9078	2001735.02		6011334.99		34°28'44.7576"	119°49'34.3915"	9078
9091	2005824.27		6026663.52		34°29'27.9195"	119°46'32.1748"	9091
9092	2002930.65		6016230.94		34°28'57.4591"	119°48'36.1732"	9092
9114	2006997.14		6008821.82		34°29'36.3503"	119°50'05.5552"	9114
9118	2006557.86		6024237.86		34°29'34.7504"	119°47'01.3058"	9118
9119	1998930.91		6011287.42		34°28'17.0147"	119°49'34.3511"	9119
9120	2001706.36		6013523.25		34°28'44.8666"	119°49'08.2496"	9120
9121	2000386.68		6013502.05		34°28'31.8104"	119°49'08.2176"	9121
9122	2000369.40		6014821.81		34°28'31.8754"	119°48'52.4517"	9122
9123	2001689.07		6014843.01		34°28'44.9315"	119°48'52.4831"	9123
9124	1999031.98		6016121.96		34°28'18.8794"	119°48'36.6361"	9124
9125	1997199.15		6016085.20		34°28'00.7450"	119°48'36.6809"	9125
9127	1996395.79		6016067.92		34°27'52.7962"	119°48'36.7146"	9127
9131	2001765.86		6008704.62		34°28'44.5888"	119°50'05.8143"	9131
9133	2001723.15		6012241.23		34°28'44.8029"	119°49'23.5651"	9133
9134	2003003.64		6012286.36		34°28'57.4758"	119°49'23.3035"	9134

PROJECT POSITIONAL TABLE
[CONTINUED]

POINT #	STATE NORTH	PLANE	ZONE	V EAST	GEOGRAPHIC N. LATITUDE	POSITIONS W. LONGITUDE	POINT #
9135	2003020.65		6011368.81		34°28'57.4793"	119°49'34.2665"	9135
9139	2004220.84		6014985.16		34°29'09.9977"	119°48'51.3312"	9139
9140	2002954.87		6014920.91		34°28'57.4649"	119°48'51.8256"	9140
9143	2004114.17		6021457.97		34°29'10.0914"	119°47'33.9928"	9143
9165	1996438.56		6013461.61		34°27'52.7538"	119°49'07.8471"	9165
9166	2000386.18		6013527.06		34°28'31.8099"	119°49'07.9186"	9166
9167	2000369.03		6014835.12		34°28'31.8741"	119°48'52.2927"	9167
9168	2001688.89		6014856.66		34°28'44.9322"	119°48'52.3200"	9168
9169	1999066.35		6013505.18		34°28'18.7520"	119°49'07.8947"	9169
9170	1999049.16		6014813.57		34°28'18.8160"	119°48'52.2654"	9170
9171	2000351.87		6016143.17		34°28'31.9377"	119°48'36.6668"	9171
9172	1999095.44		6011290.24		34°28'18.6425"	119°49'34.3531"	9172
9301	2001706.02		6013548.95		34°28'44.8678"	119°49'07.9426"	