

BASIS OF BEARINGS

NORTH 46°32'02" WEST BETWEEN FOUND SONOMA-MARIN AREA RAIL TRANSIT DISTRICT NETWORK CONTROL POINTS 215 AND 218 AS SAID POINTS ARE SHOWN ON SHEET 7 OF 24 ON THE RECORD OF SURVEY FILED IN BOOK 2010 OF MAPS, AT PAGE 96, MARIN COUNTY RECORDS AND FILED IN BOOK 741 OF MAPS, PAGES 1-24 SONOMA COUNTY RECORDS.

BEING THE CALIFORNIA COORDINATE SYSTEM, GCS83, EPOCH 2008.00 AS PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER, CENTRAL COAST HEIGHT MODERNIZATION PROJECT, DATED MARCH 16, 2009 PER R6.

REFERENCES

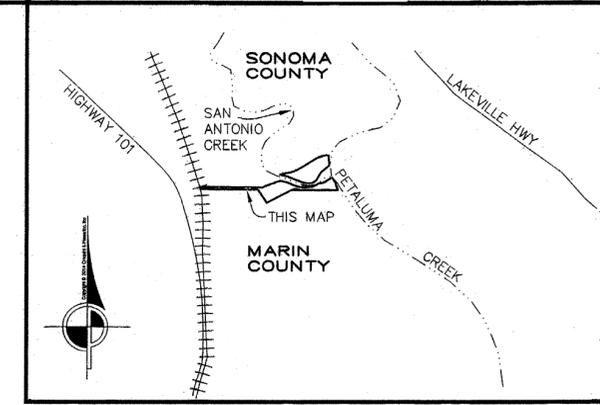
- R1 UNRECORDED SURVEY OF PORTIONS OF S. & O. SURVEY 57 AND T.L.S. 209 BY ROEMER & ESTES DATED FEBRUARY 1963. A COPY OF WHICH IS ON FILE IN THE OFFICE OF CINQUINI & PASSARINO, INC.
R2 STATE LANDS COMMISSION MAP ENTITLED "MEANDERS OF THE ORDINARY HIGH WATER MARK PORTIONS OF THE PETALUMA AND SAN ANTONIO CREEKS", FILED IN BOOK 64 OF MAPS, PAGES 37-39, SONOMA COUNTY RECORDS.
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R4 RECORD OF SURVEY, 29 O.S. 90, M.C.R.
R5 RECORD OF SURVEY, 741 MAPS 1-24, S.C.R.
R6 RECORD OF SURVEY, 2010 MAPS 96, M.C.R.
R7 UNRECORDED MAP ENTITLED "SONOMA & MARIN RAILROAD MAP MAY 1875" THE MAP CERTIFIES TO BE A "CORRECT MAP OF THE LOCATED CENTRE LINE OF THE SONOMA AND MARIN COMPANY'S RAILROAD..." DATED JUNE 7, 1875. A HARD COPY OF WHICH WAS FOUND AT THE CALIFORNIA STATE ARCHIVES IN SACRAMENTO. A DIGITAL COPY IS ON FILE IN THE OFFICE OF CINQUINI & PASSARINO, INC.
D1 GRANT DEED TO S.M.A.R.T.D. - 2013-070430, M.C.R.
D2 GRANT DEED TO S.M.A.R.T.D. - 2013-109787, S.C.R.
D3 COUNTY SURVEYOR'S FIELD NOTES FOR S & O SURVEY NO. 83. SURVEYED BY L.E. RICKSECKER ON 2-27-1891.

NOTES

ALL DISTANCES AND DIMENSIONS ARE IN FEET AND DECIMALS THEREOF. ALL DISTANCES ARE GRID VALUES, TO CONVERT DISTANCES TO GROUND MULTIPLY BY 0.99995084502. ALL RECORD DATA DISTANCES ARE REFERENCED PER THE ORIGINAL MAP OR DEED VALUES. ALL TIES ARE AT RIGHT ANGLES UNLESS OTHERWISE NOTED.

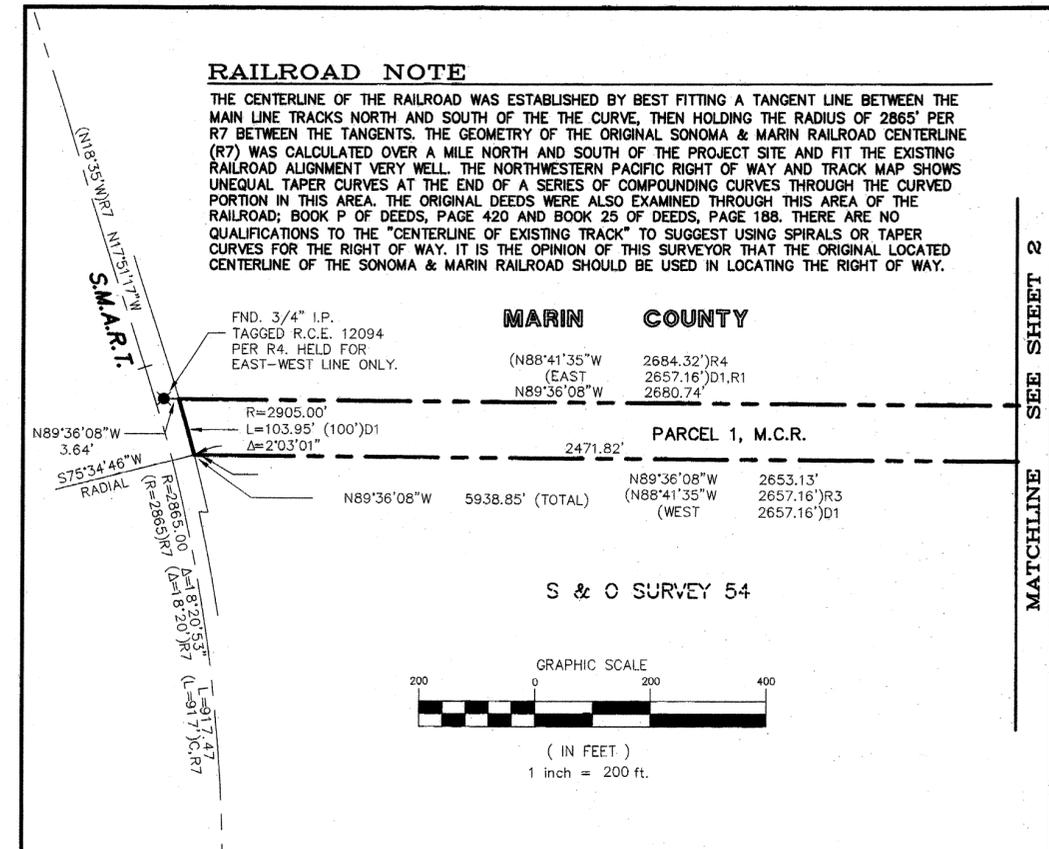
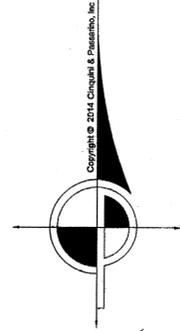
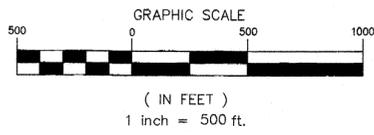
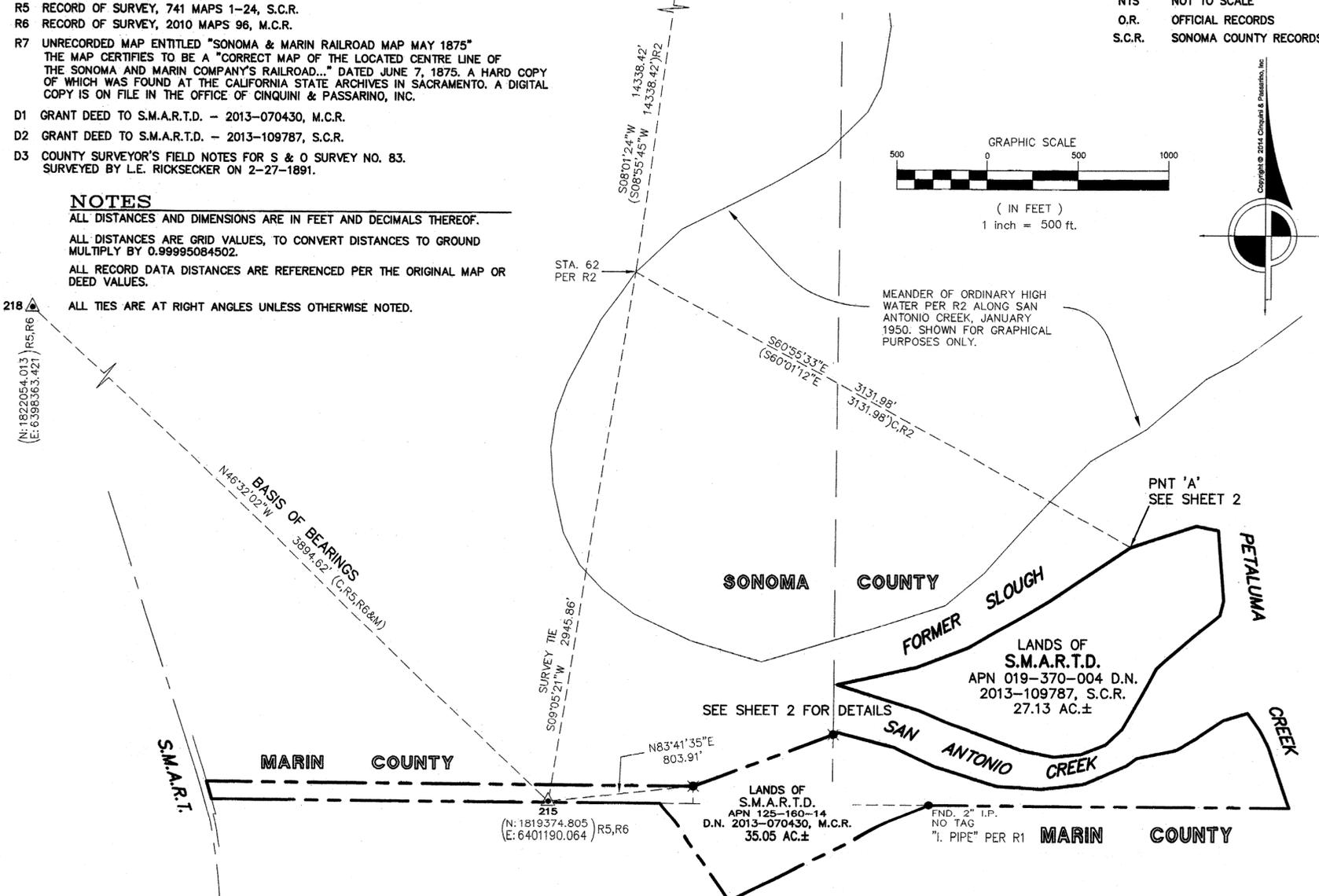
LEGEND

- SUBJECT PROPERTY BOUNDARY
218 FOUND 3/4" IRON PIPE WITH 2" ALUMINUM CAP STAMPED "SONOMA MARIN AREA RAIL TRANSIT PROJECT CONTROL PLS 7935" (R6)
FOUND SURVEY MONUMENT AS NOTED
FOUND 3/4" IRON PIPE TAGGED R.C.E. 12094 PER R4
FOUND IRON PIPE AS NOTED
FOUND 3' TALL REDWOOD POST AS NOTED
FOUND 3/4" IRON PIPE NOT TAGGED OR AS OTHERWISE NOTED
C CALCULATED
CHS. CHAINS (MULTIPLY BY 66 FOR US FEET CONVERSION)
DN DOCUMENT NUMBER
FND. FOUND
M.C.R. MARIN COUNTY RECORDS
NTS NOT TO SCALE
O.R. OFFICIAL RECORDS
S.C.R. SONOMA COUNTY RECORDS



RAILROAD NOTE

THE CENTERLINE OF THE RAILROAD WAS ESTABLISHED BY BEST FITTING A TANGENT LINE BETWEEN THE MAIN LINE TRACKS NORTH AND SOUTH OF THE THE CURVE, THEN HOLDING THE RADIUS OF 2865' PER R7 BETWEEN THE TANGENTS. THE GEOMETRY OF THE ORIGINAL SONOMA & MARIN RAILROAD CENTERLINE (R7) WAS CALCULATED OVER A MILE NORTH AND SOUTH OF THE PROJECT SITE AND FIT THE EXISTING RAILROAD ALIGNMENT VERY WELL. THE NORTHWESTERN PACIFIC RIGHT OF WAY AND TRACK MAP SHOWS UNEQUAL TAPER CURVES AT THE END OF A SERIES OF COMPOUNDING CURVES THROUGH THE CURVED PORTION IN THIS AREA. THE ORIGINAL DEEDS WERE ALSO EXAMINED THROUGH THIS AREA OF THE RAILROAD; BOOK P OF DEEDS, PAGE 420 AND BOOK 25 OF DEEDS, PAGE 188. THERE ARE NO QUALIFICATIONS TO THE "CENTERLINE OF EXISTING TRACK" TO SUGGEST USING SPIRALS OR TAPER CURVES FOR THE RIGHT OF WAY. IT IS THE OPINION OF THIS SURVEYOR THAT THE ORIGINAL LOCATED CENTERLINE OF THE SONOMA & MARIN RAILROAD SHOULD BE USED IN LOCATING THE RIGHT OF WAY.



RECORD OF SURVEY

BEING THE LANDS OF SONOMA-MARIN AREA RAIL TRANSIT DISTRICT AS DESCRIBED BY GRANT DEED RECORDED UNDER DOCUMENT NUMBER 2013-070430, OFFICIAL RECORDS OF MARIN COUNTY. LYING WITHIN SECTIONS 29 & 30, T.4.N., R.6.W. M.D.B.&M COUNTY OF MARIN STATE OF CALIFORNIA JANUARY 2014 SCALE: 1" = 500'

RECORDER'S STATEMENT

FILED THIS 30 DAY OF JUNE 2014, AT 8:00 A.M. IN BOOK 2014 OF MAPS AT PAGE 91 AT THE REQUEST OF THE COUNTY SURVEYOR.

Richard N. Benson COUNTY RECORDER 2014-0025397 DOC. NO. A.R. Schots DEPUTY COUNTY RECORDER \$12.00 FEES

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 JUNE 2014.

CRAIG TACKABERY, COUNTY SURVEYOR Richard G. Simonitch No. 7821 BY DEPUTY



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 SURVEYOR'S ACT AT THE REQUEST SONOMA-MARIN RAIL TRANSIT DISTRICT IN DECEMBER 2013.

Michael R. Jones P.L.S. 8090 EXP. DATE 3/31/16 6/10/2014 DATE: Michael R. Jones PROFESSIONAL LAND SURVEYOR No. 8090 Exp. 3-31-16 No. 8090 STATE OF CALIFORNIA



CINQUINI & PASSARINO, INC. LAND SURVEYING 1360 No. Dutton Ave. Santa Rosa, Ca. 95401 Phone: (707) 542-6268 Fax: (707) 542-2106 WWW.CINQUINIPASSARINO.COM

BASIS OF BEARINGS

NORTH 46°32'02" WEST BETWEEN FOUND SONOMA-MARIN AREA RAIL TRANSIT DISTRICT NETWORK CONTROL POINTS 215 AND 218 AS SAID POINTS ARE SHOWN ON SHEET 7 OF 24 ON THE RECORD OF SURVEY FILED IN BOOK 2010 OF MAPS, AT PAGE 96, MARIN COUNTY RECORDS AND FILED IN BOOK 741 OF MAPS, PAGES 1-24 SONOMA COUNTY RECORDS.

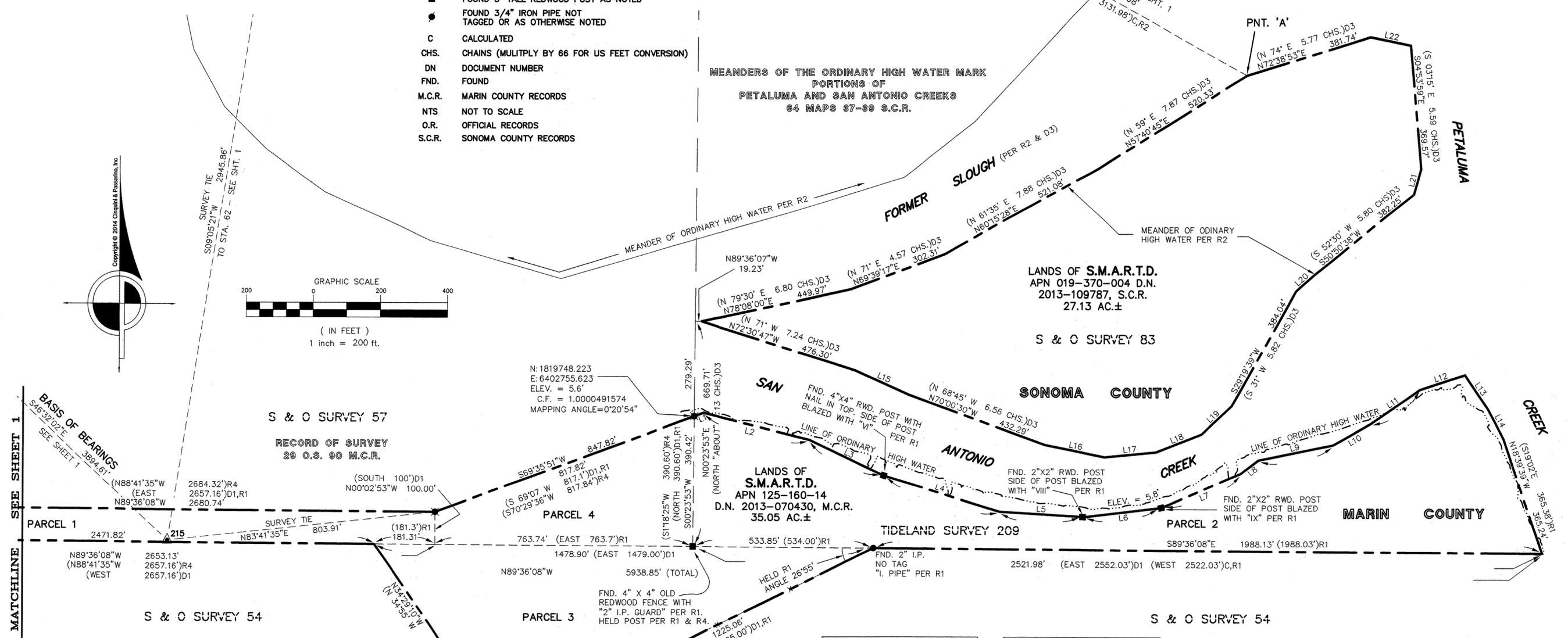
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MATCHLINE SEE SHEET 1

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WATER BOUNDARY NOTES

- 1. THE LINE OF ORDINARY HIGH WATER ELEVATION ALONG THE RIGHT BANK OF SAN ANTONIO CREEK & PETALUMA CREEK AS SHOWN HERE ON WAS ESTABLISHED USING TIDAL INFORMATION PUBLISHED BY NOAA'S NATIONAL OCEAN SERVICE FOR BENCHMARK 941-5423-C, TIDAL EPOCH 1983-2001. THE LINE OF ORDINARY HIGH WATER = 5.8' (NAVD 88)
2. THE LANDS OF S.M.A.R.T.D. DESCRIBED UNDER DOCUMENT NUMBER 2013-109787, S.C.R. (BEING SWAMP & OVERFLOW SURVEY NO. 83, SURVEYED ON 2-27-1891 AND PATENTED TO GILBERT HALL ON 8-26-1893) WAS REESTABLISHED BY HOLDING THE LOCATION AS SURVEYED BY THE STATE LANDS COMMISSION IN JANUARY 1950 (64 MAPS 37-39, S.C.R.). THE SLOUGH ALONG THE NORTHERLY LINE OF THE PARCEL SHOWN ON R2 & D3 IS NO LONGER DEFINABLE; PRESUMABLY DUE TO ARTIFICIAL CHANGES MADE TO PETALUMA CREEK. IT IS THIS SURVEYOR'S OPINION THAT THE STATE LANDS COMMISSION SURVEY IS THE BEST REMAINING EVIDENCE OF THE ORIGINAL PATENT LOCATION PRIOR TO ANY MAN MADE CHANGES TO PETALUMA CREEK MADE AFTER 1950.

Table with 3 columns: LINE, BEARING, LENGTH. Contains measured line data from L1 to L22.

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