

SHEET 01 OF 09

RECORD OF SURVEY 91-1038

IN UNINCORPORATED TERRITORY,
COUNTY OF ORANGE, STATE OF CALIFORNIA.

BLOCK -- MODULE
5458 - 38,39,48,49
58,59,68,69
78,79
5459 - 30,40,41,50
51,52,53,60
61,62,63

EXEMPT RECORDING REQUESTED
PER GOVERNMENT CODE 6103

BEING A SURVEY OF A PORTION OF LIVE OAK CANYON ROAD AS PER O.R. 1480/138
AND O.R. 496/44, RECORDS OF ORANGE COUNTY, STATE OF CALIFORNIA.

ACCEPTED AND FILED AT THE
REQUEST OF
ORANGE COUNTY SURVEYOR

DATE June 21, 1991
TIME 11:25 A.M. FEE \$ Exempt
INSTRUMENT * 91-318404
BOOK 134 PAGE 1 RS
LEE A. BRANCH
COUNTY RECORDER
Nathaly L. Escalera
DEPUTY

DATE OF SURVEY: JANUARY 1991

MICHAEL B. EMMONS P.L.S. 5899

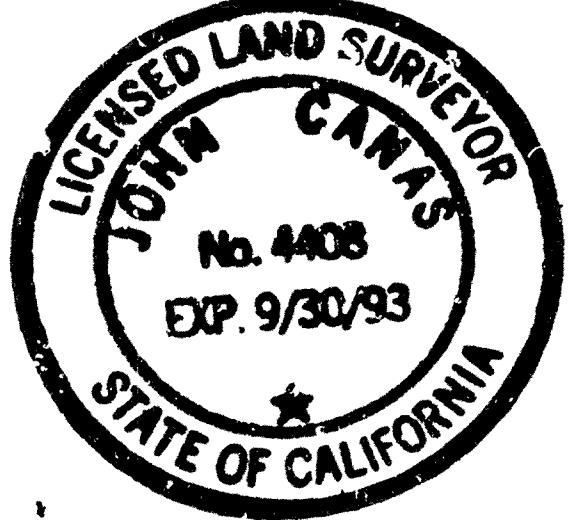
SEE PAGE 8 AND 9

This map correctly represents a survey made by me or under my direction
in conformance with the requirements of the Land Surveyor's Act at the
request of the Orange County Surveyor in JANUARY, 1991.

Michael B. Emmons
MICHAEL EMMONS P.L.S. 5899
Expiration Date 12 / 31 / 92

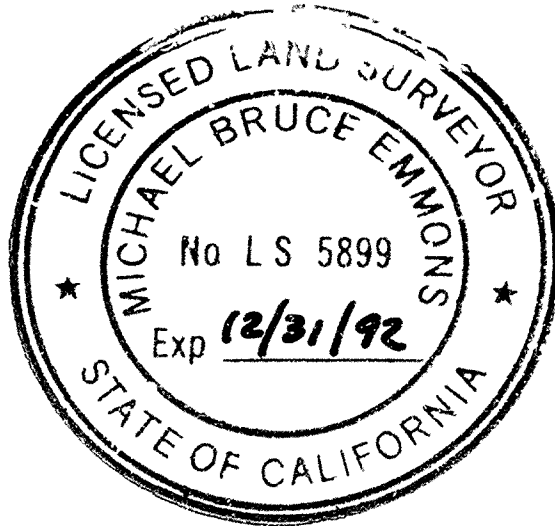
This map has been examined in accordance with Section 8766
of the Land Surveyor's Act this 17 day of JUNE, 1991

John Canas
JOHN CANAS
COUNTY SURVEYOR



STATEMENT OF PURPOSE

TO ESTABLISH AND MONUMENT
THE C/L OF LIVE OAK CANYON
ROAD (PER O.R. 1480/138 &
O.R. 496/44 & R.S.B. 9/2-5) FROM
THE NLY BOUNDARY LINE OF RANCHO
TRABUCO TO 100' E'LY OF
TRABUCO CREEK.



BASIS OF BEARING

THE BEARINGS SHOWN HEREON ARE
BASED ON THE GRID BEARING S71°16'59" E
BETWEEN O.C.S. HORIZONTAL CONTROL STATION
GPS NO. 4312 (RANCHO TRABUCO COR. NO. 12) AND
GPS NO. 4307 (RANCHO TRABUCO COR. NO. 13).

COORDINATES SHOWN ARE BASED ON
THE CALIFORNIA COORDINATE SYSTEM
ZONE VI, 1983 NAD (1990 O.C.S. GPS
ADJUSTMENT).

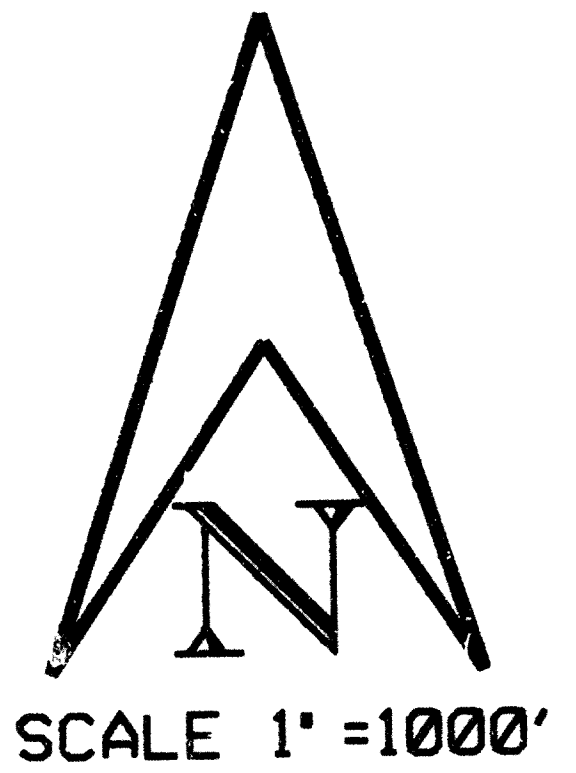
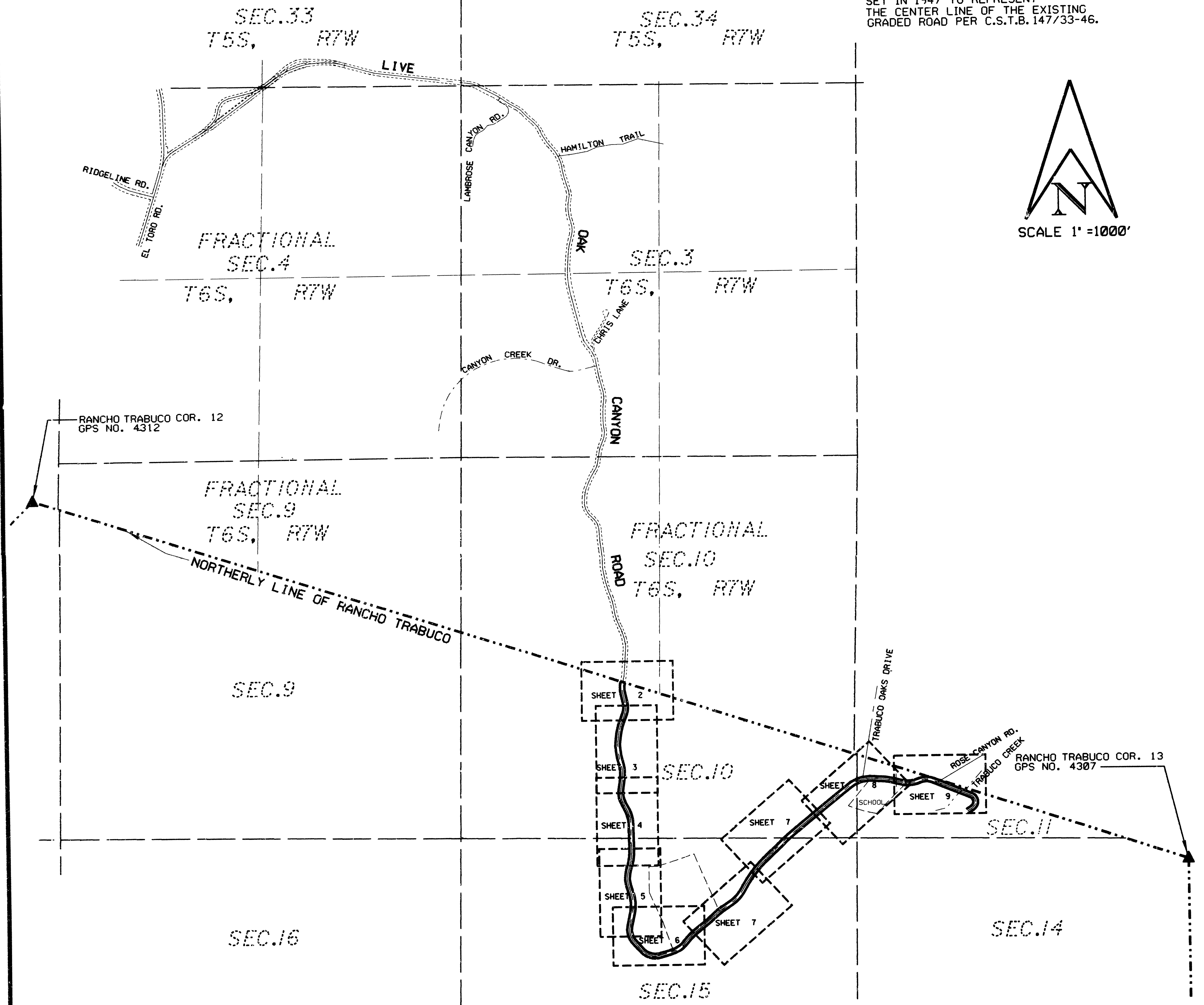
DISTANCES SHOWN ARE GROUND. MULTIPLY
GROUND DISTANCES BY 0.99992372 TO
OBTAIN GRID DISTANCES

MONUMENT NOTES:

- ▲ FD. AS NOTED
- FD. AS NOTED
- SET 2" I.P. & O.C.S. TAG
OR LEAD & TACK W/O.C.S.
TAG OR PUN. SPK. & O.C.S. TAG

NOTES:

THE FOUND MONUMENTS FROM P.I.*50
TO P.I.*73A DO NOT REPRESENT
THE DEEDED CENTER LINE OF LIVE
OAK CANYON ROAD. THEY WERE PREVIOUSLY
SET IN 1947 TO REPRESENT
THE CENTER LINE OF THE EXISTING
GRADED ROAD PER C.S.T.B. 147/33-46.

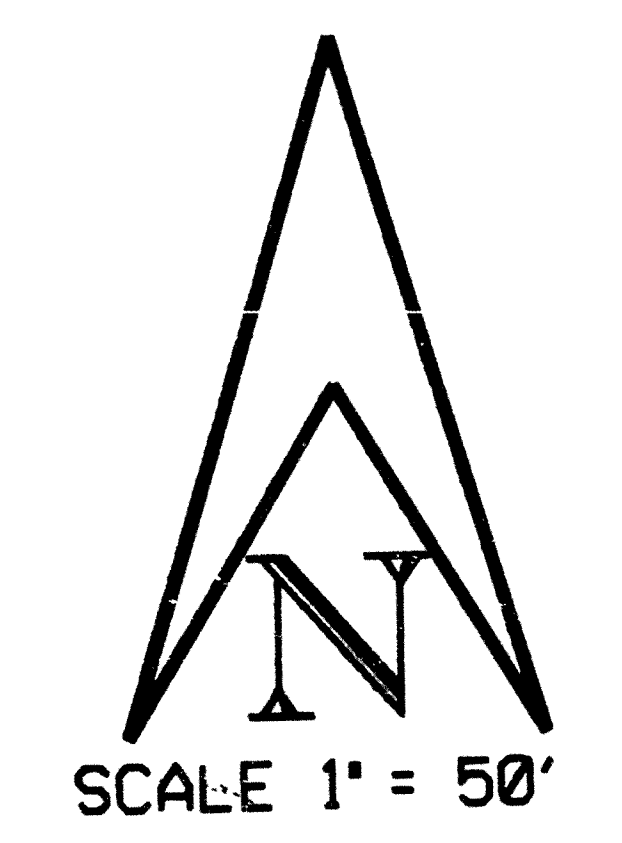


RECORD OF SURVEY 91-1038

IN THE UNINCORPORATED TERRITORY OF THE COUNTY OF ORANGE, STATE OF CALIFORNIA.

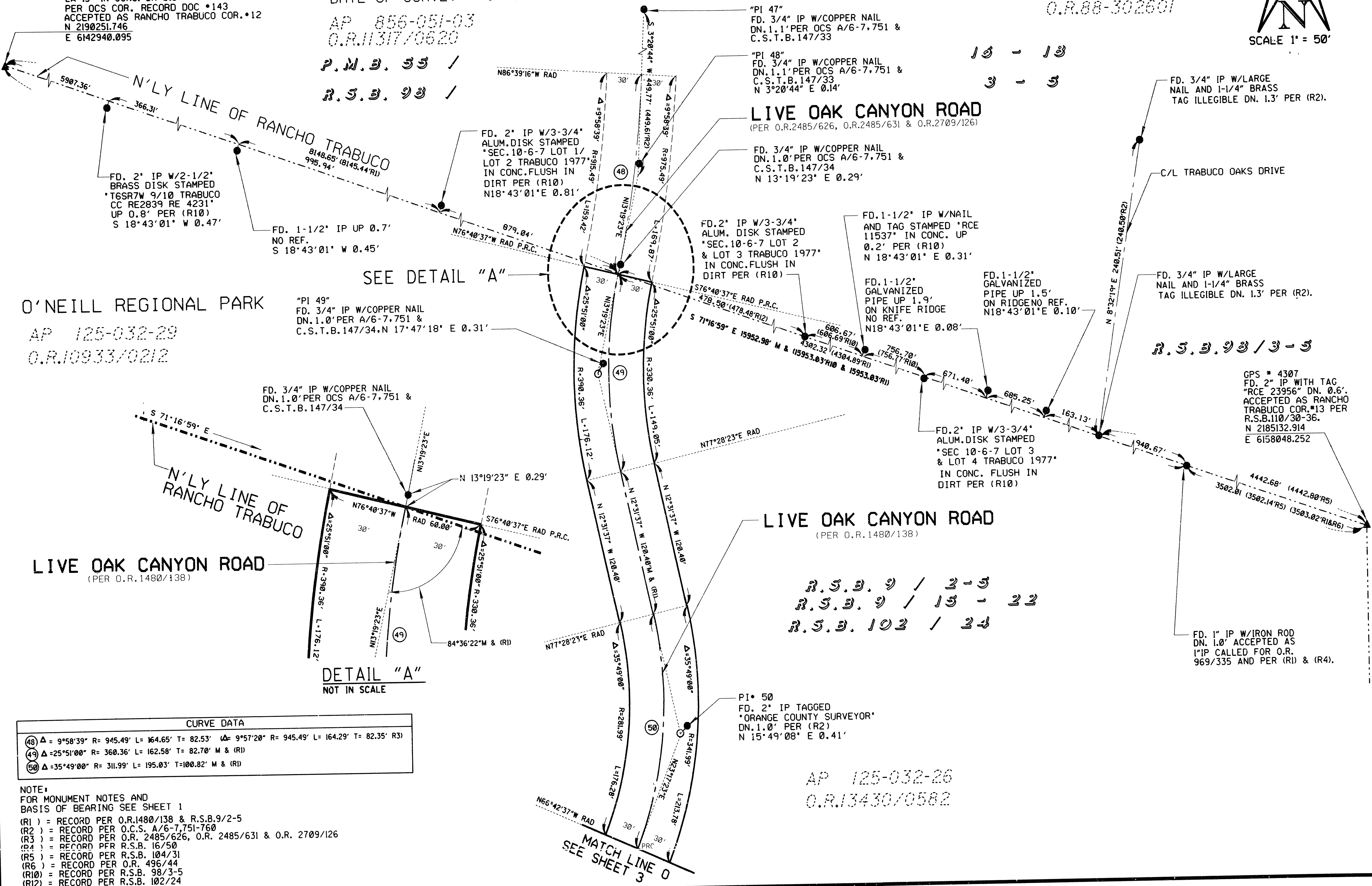
DATE OF SURVEY: JANUARY 1991 MICHAEL B. EMMONS P.L.S. 5899

AP 856-052-05
O.R.88-302601



STA. *TRAB. COR. 12'
GPS * 4312
FD. 3-1/4" OCS BRASS DISK
STAMPED "RO TRAB 12,RO
LA 13" IN CONC. DN 0.5'
PER OCS COR. RECORD DOC *143
ACCEPTED AS RANCHO TRABUCO COR.*12
N 2190251.746
E 6142940.095

AP 856-051-03
O.R.11317/0620
P.M.B. 55 /
R.S.B. 93 /



O'NEILL REGIONAL PARK
AP 125-032-29
O.R.10933/0212

SEE DETAIL "A"

LIVE OAK CANYON ROAD
(PER O.R.2485/626, O.R.2485/631 & O.R.2709/126)

LIVE OAK CANYON ROAD
(PER O.R.1480/138)

R.S.B. 9 / 2-5
R.S.B. 9 / 15 - 22
R.S.B. 102 / 24

AP 125-032-26
O.R.13430/0582

CURVE DATA

(48)	Δ = 9°58'39"	R = 945.49'	L = 164.65'	T = 82.53'	Δ = 9°57'20"	R = 945.49'	L = 164.29'	T = 82.35'	(R3)
(49)	Δ = 25°51'00"	R = 360.36'	L = 162.58'	T = 82.70'	M & (R1)				
(50)	Δ = 35°49'00"	R = 311.99'	L = 195.03'	T = 100.82'	M & (R1)				

NOTE:
FOR MONUMENT NOTES AND
BASIS OF BEARING SEE SHEET 1
(R1) = RECORD PER O.R.1480/138 & R.S.B.9/2-5
(R2) = RECORD PER O.C.S. A/6-7,751-760
(R3) = RECORD PER O.R. 2485/626, O.R. 2485/631 & O.R. 2709/126
(R4) = RECORD PFR R.S.B. 16/50
(R5) = RECORD PER R.S.B. 104/31
(R6) = RECORD PER O.R. 496/44
(R10) = RECORD PER R.S.B. 98/3-5
(R12) = RECORD PER R.S.B. 102/24

MATCH LINE 0
SEE SHEET 3

SHEET 03 OF 09

RECORD OF SURVEY 91-1038

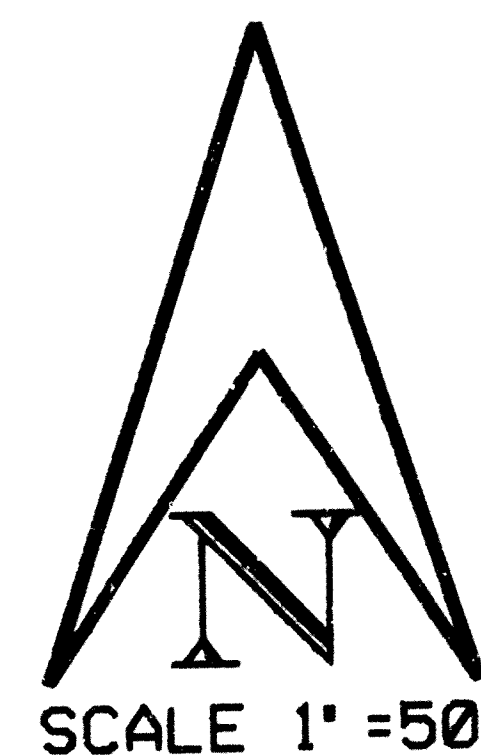
IN THE UNINCORPORATED TERRITORY OF THE COUNTY OF ORANGE, STATE OF CALIFORNIA.

DATE OF SURVEY: JANUARY 1991 MICHAEL B. EMMONS P.L.S. 5899

PI• 51
FD. 3/4" IP WITH COPPER
NAIL DN. 1.1' PER (R2) & (R8)
N 29°38'44" E 0.48'

PI• 52
FD. 3/4" IP WITH COPPER
NAIL DN. 1.1' PER (R2) & (R8)
N 35°36'18" E 0.52'

PI• 53
FD. 2" IP TAGGED
"ORANGE COUNTY SURVEYOR"
DN. 1.0' PER (R2) & (R8)
N 12°39'05" W 14.04'



CURVE DATA

(51)	Δ = 20°54'00"	R=1023.55'	L= 373.36'	T=188.78' M & (R1)
(52)	Δ = 16°50'00"	R= 800.00'	L= 235.04'	T=118.37' M & (R1)
(53)	Δ = 22°26'00"	R= 500.00'	L= 195.77'	T= 99.15' M & (R1)

R.S.B. 9 / 2-5

R.S.B. 102 / 2-4

AP 125-032-26

O.R.13430/0582

LIVE OAK CANYON ROAD
(PER O.R.1480/138)

O'NEILL REGIONAL PARK

AP 125-032-29

O.R.10933/0212

NOTE:
FOR MONUMENT NOTES AND
BASIS OF BEARING SEE SHEET 1

(R1) = RECORD PER O.R.1480/138 & R.S.B.9/2-5
(R2) = RECORD PER O.C.S. A/6-7.751-760
(R8) = RECORD PER CSTB 147/33-47

MATCH LINE Q
SEE SHEET 4

SHEET 04 OF 09

RECORD OF SURVEY 91-1038

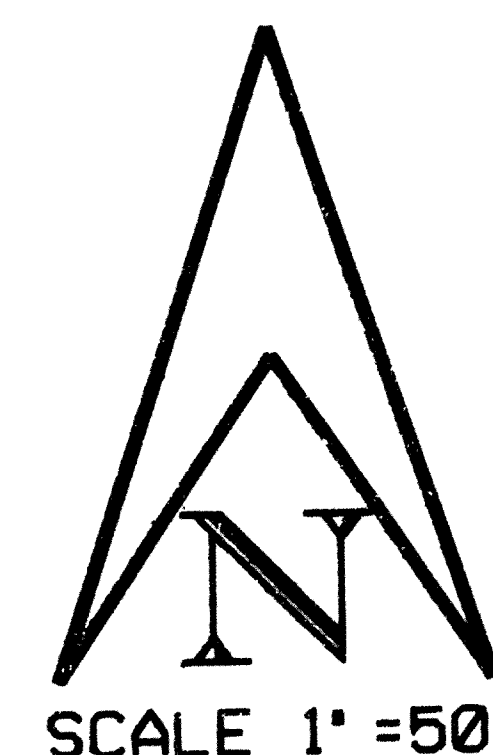
IN THE UNINCORPORATED TERRITORY OF THE COUNTY OF ORANGE, STATE OF CALIFORNIA.

DATE OF SURVEY: JANUARY 1991 MICHAEL B. EMMONS P.L.S. 5899

SEE SHEET 3
MATCH LINE Q

PI • 54
FD. 3/4" WITH COPPER
NAIL DN. 1.0' PER (R2) & (R8)
S 5°55'33" W 3.45'

CURVE DATA			
54	Δ = 33°51'00"	R = 330.00'	L = 194.96' T = 100.42' M & (R1)
55	Δ = 24°49'00"	R = 400.00'	L = 173.25' T = 88.01' M & (R1)
56	Δ = 16°13'00"	R = 650.00'	L = 183.97' T = 92.61' M & (R1)



O'NEILL REGIONAL PARK

AP 125-032-29
O.R.10933/0212

PI • 55
FD. 3/4" IP WITH COPPER
NAIL DN. 1.0' PER (R2) & (R8)
S 5°16'14" W 5.88'

AP 125-032-26
O.R.13430/0582

R.S.B. 9 / 2-5
R.S.B. 9 / 15 - 22
R.S.B. 102 / 24

SEC. 10

SEC. 15

AP 125-032-20

LIVE OAK CANYON ROAD
(PER O.R.1480/138)

AP 125-032-28
O.R.10933/0212

PI • 56
FD. 3/4" IP WITH COPPER
NAIL SHAFT ONLY DN. 1.0'
PER (R2) & (R8) S 42°48'21" W 5.87'

MATCH LINE R
SEE SHEET 5

NOTE:
FOR MONUMENT NOTES AND
BASIS OF BEARING SEE SHEET 1

(R1) = RECORD PER O.R.1480/138 & R.S.B.9/2-5
(R2) = RECORD PER O.C.S. A/6-7,751-760
(R8) = RECORD PER C.S.T.B. 147/33-47

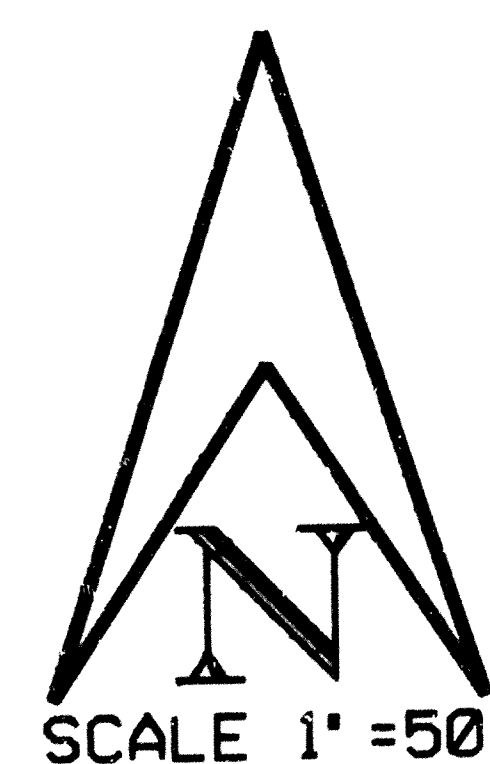
134

RECORD OF SURVEY 91-1038

IN THE UNINCORPORATED TERRITORY OF THE COUNTY OF ORANGE, STATE OF CALIFORNIA.

DATE OF SURVEY: JANUARY 1991 MICHAEL B. EMMONS P.L.S. 5899

SEE SHEET 4
MATCH LINE R



PI• 57
FD. 3/4" IP WITH TACK,
NO NAIL DN. 0.3' PER (R2) & (R8)
N 59°07'14" W 4.62'

R.S.B. 9 / 2-5

R.S.B. 9 / 15 - 22

R.S.B. 102 / 24

AP 125-032-20

O'NEILL REGIONAL PARK

AP 125-032-28

O.R. 10933/0212

PI• 58
FD. 3/4" IP WITH NAIL
DN. 1.5' PER (R2) & (R8)
N 10°24'32" E 4.61'

LIVE OAK CANYON ROAD
(PER O.R. 1480/138)

MATCH LINE S
SEE SHEET 6

CURVE DATA

(56)	Δ=16°13'00" R= 650.00' L= 183.97' T= 92.61' M & (RI)
(57)	Δ=32°29'00" R= 425.00' L= 240.95' T=123.81' M & (RI)
(58)	Δ=28°34'00" R= 500.00' L= 249.29' T=127.29' M & (RI)

NOTE:
FOR MONUMENT NOTES AND
BASIS OF BEARING SEE SHEET 1

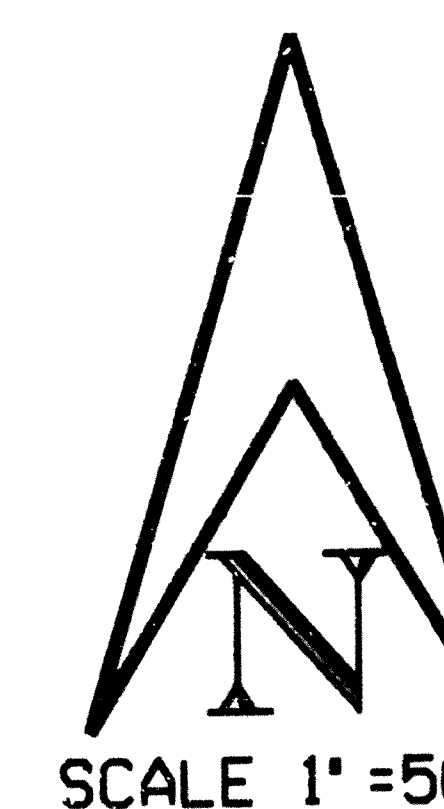
(RI) = RECORD PER O.R. 1480/138 & R.S.B. 9/2-5
(R2) = RECORD PER O.C.S. A/6-7,751-760
(R8) = RECORD PER C.S.T.B. 147/33-47

134 6

RECORD OF SURVEY 91-1038

IN THE UNINCORPORATED TERRITORY OF THE COUNTY OF ORANGE, STATE OF CALIFORNIA.

DATE OF SURVEY: JANUARY 1991 MICHAEL B. EMMONS P.L.S. 5899



P.M.B. 103 / 33 - 35

AP 125-032-19
O.R.14311/1825

SEE SHEET 5
MATCH LINE S

AP 125-032-20

R.S.B. 9 / 2-5
R.S.B. 9 / 15 - 22
R.S.B. 102 / 24

AP 125-032-18
O.R.85-199109

SEE SHEET 7
MATCH LINE T

PI* 59
FD. 3/4" IP WITH COPPER
NAIL DN.1.0' PER (R2)&(R8)
N 39°22'16" W 11.35'

PI* 60
FD. 3/4" IP WITH COPPER
NAIL DN.0.8' PER (R2) & (R8)
N 52°49'04" W 12.01'

PI* 63
FD. 3/4" IP WITH COPPER
NAIL DN.1.0' PER (R2)&(R8)
N 24°00'41" W 8.10'

PI* 62
FD. 3/4" IP WITH COPPER
NAIL DN.1.0' PER (R2) & (R8)

PI* 61
FD. 3/4" IP WITH COPPER
NAIL DN.1.0' PER (R2) & (R8)

LIVE OAK CANYON ROAD
(PER O.R.1480/138)

O'NEILL REGIONAL PARK

AP 125-032-28
O.R.10933/0212

NOTE:
FOR MONUMENT NOTES AND
BASIS OF BEARING SEE SHEET 1

(R1) = RECORD PER O.R.1480/138 & R.S.B.9/2-5
(R2) = RECORD PER O.C.S. A/6-7,751-760
(R3) = RECORD PER C.S.T.B. 147/33-47
(RII) = RECORD PER O.R. 4892/269

CURVE DATA	
(59)	$\Delta = 52^{\circ}15'00''$ R= 250.00' L= 227.98' T=122.61' M & (RI)
(60)	$\Delta = 65^{\circ}39'00''$ R= 220.00' L= 252.03' T=141.92' M & (RI)
(61)	$\Delta = 35^{\circ}10'00''$ R= 375.00' L= 230.17' T=118.84' M & (RI)
(62)	$\Delta = 13^{\circ}00'00''$ R= 650.00' L= 147.48' T= 74.06' M & (RI)
(77)	$\Delta = 9^{\circ}23'29''$ R= 220.00' L= 36.06' T= 18.07' M & (RII) (8°15'47" IN ERROR 9°23'29" CALC. REC.)
(78)	$\Delta = 9^{\circ}50'35''$ R= 210.00' L= 36.03' T= 18.08' M & (RII) (8°15'47" IN ERROR 9°23'29" CALC. REC.)

RECORD OF SURVEY 91-1038

IN THE UNINCORPORATED TERRITORY OF THE COUNTY OF ORANGE, STATE OF CALIFORNIA.

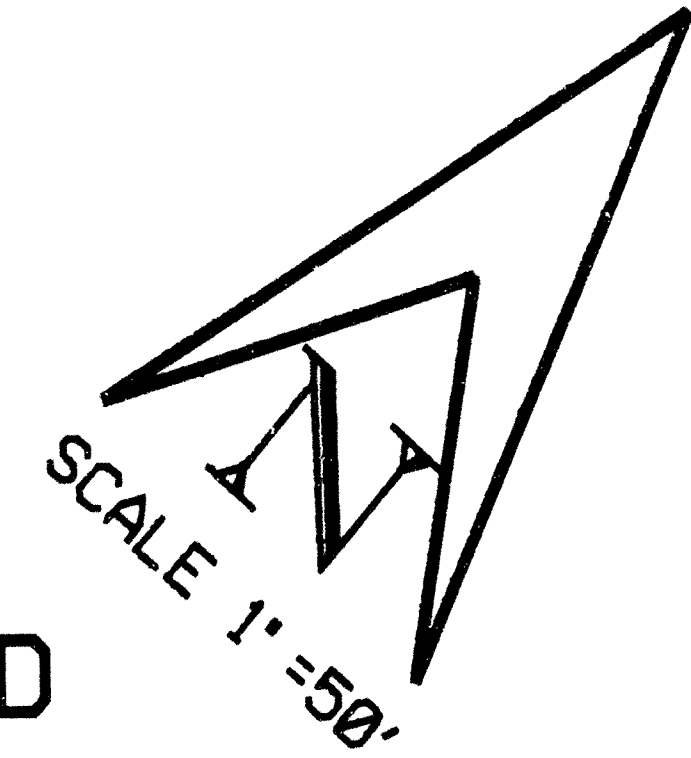
DATE OF SURVEY: JANUARY 1991 MICHAEL B. EMMONS P.L.S. 5899

P.M.B. 103 / 33 - 35

AP 125-032-19
O.R.14311/1825

R.S.B. 9 / 2-5
R.S.B. 9 / 15 - 22
R.S.B. 102 / 24

LIVE OAK CANYON ROAD
(PER O.R.1480/138)

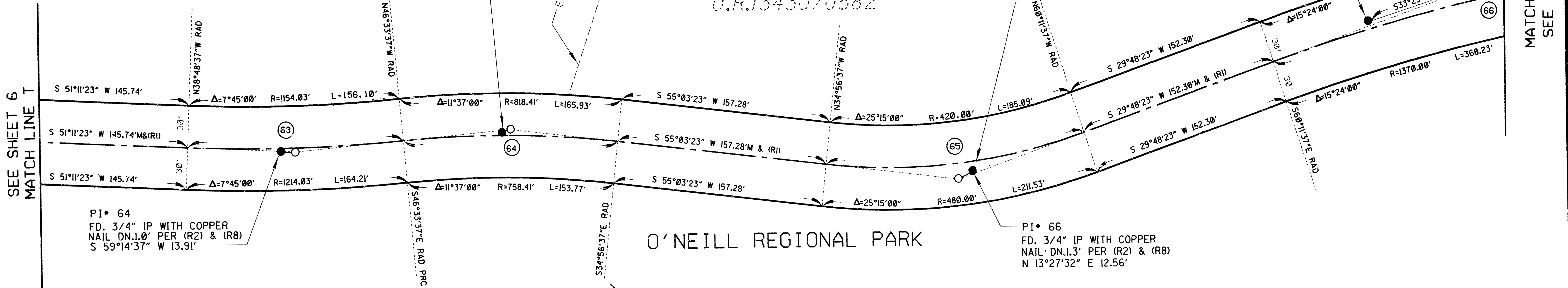


AP 125-032-18
O.R.85-199109

PI • 65
FD. 3/4" IP WITH COPPER
NAIL DN.1.1' PER (R2) & (R8)
S 55°50'28" W 7.69'

AP 125-032-20
O.R.13430/0582

PI • 67
FD. 3/4" IP WITH COPPER
NAIL DN. 1.0' PER (R2) & (R8)

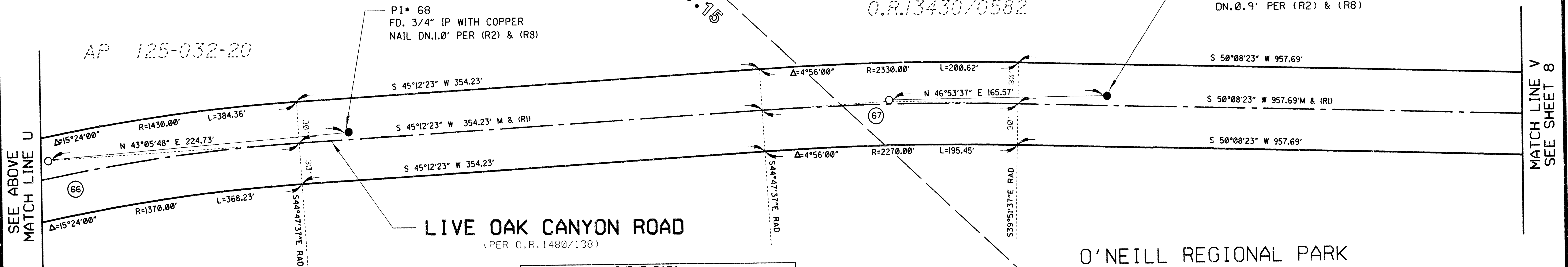


O'NEILL REGIONAL PARK

SEC. 10
SEC. 15

AP 125-032-26
O.R.13430/0582

PI • 69
FD. 3/4" IP WITH TAG
STAMPED "RCE 7872"
DN.0.9' PER (R2) & (R8)



LIVE OAK CANYON ROAD
(PER O.R.1480/138)

O'NEILL REGIONAL PARK

O'NEILL REGIONAL PARK

CURVE DATA	
63	Δ= 7°45'00" R=1184.03' L= 160.15' T= 80.20' M & (R1)
64	Δ= 11°37'00" R= 788.41' L= 159.85' T= 80.20' M & (R1)
65	Δ= 25°15'00" R= 450.00' L= 198.31' T=100.79' M & (R1) (T=100.11' IN ERROR T=100.79' CALC.REC.)
66	Δ= 15°24'00" R=1400.00' L= 376.29' T=189.29' M & (R1)
67	Δ= 4°56'00" R=2300.00' L= 198.04' T= 99.08' M & (R1)

AP 125-032-28
O.R.10933/0212

AP 125-082-04

NOTE:
FOR MONUMENT NOTES AND
BASIS OF BEARING SEE SHEET 1

(R1) = RECORD PER O.R.1480/138 & R.S.B.9/2-5
(R2) = RECORD PER O.C.S. A/6-7,751-760
(R8) = RECORD PER C.S.T.B. 147/33-47

RECORD OF SURVEY 91-1038

IN THE UNINCORPORATED TERRITORY OF THE COUNTY OF ORANGE, STATE OF CALIFORNIA.

DATE OF SURVEY: JANUARY 1991 MICHAEL B. EMMONS P.L.S. 5899

R.S.B. 93 / 37 - 39
TRACT NO. 920
M.M. 29 / 20-21

AP 125-032-26
O.R. 13430/0582

R.S.B. 9 / 2-5
R.S.B. 102 / 24
R.S.B. 9 / 15 - 22

LIVE OAK CANYON ROAD

(PER O.R. 1480/138)

S 50°08'23" W 957.69'

S 50°08'23" W 957.69' M & (R1)

S 50°08'23" W 957.69'

O'NEILL REGIONAL PARK

AP 842-082-04

FD. 1" IP W/CONC. PLUG
AND TACK (LEANING 10°±
N'LY) DN. 0.4' PER (R4)

FD. 1" IP W/1" WIDE METAL
BAND STAMPED "R-70". NO
PLUG, NO NAIL, AT SURFACE
IN DIRT. NO REFERENCE.

PI • 70
FD. 3/4" IP WITH TAG
STAMPED "RE 561"
AND COPPER
NAIL DN. 0.9' IN LIEU
OF PIPE WITH COPPER
NAIL ONLY PER (R2) & (R8).

PI • 70A
FD. LARGE PUN BOLT
UP 0.1' PER (R2) & (R8)
RESET FLUSH IN A/C
BY INTERSECTION.

FD. 3/4" IP WITH
LARGE NAIL & 1-1/4"
BRASS TAG ILLEGIBLE
DN. 1.3' PER (R2).

FD. 3/4" IP WITH
LARGE NAIL AND
1-1/4" BRASS TAG
ILLEGIBLE DN. 1.3'
PER (R2). THIS
POINT FALLS ON THE
RANCHO TRABUCO LINE.

R.S.B. 104 / 31
R.S.B. 9 / 2-5
O.R. 12372/0388

PI • 71
FD. 3/4" IP TAGGED
"RE 561" DN. 1.0'
PER (R2) & (R8)
N 74°37'38" W 5.06'

R.S.B. 10 / 30
TRABUCO SCHOOL LOT
AP 842-082-03
O.R. 1404/193

FD. 1" IP W/1" WIDE
METAL BAND (NUMBER
ILLEGIBLE) LEANING N'LY
UP 0.2' PER (R4)

FD. NOTHING
SET NOTHING

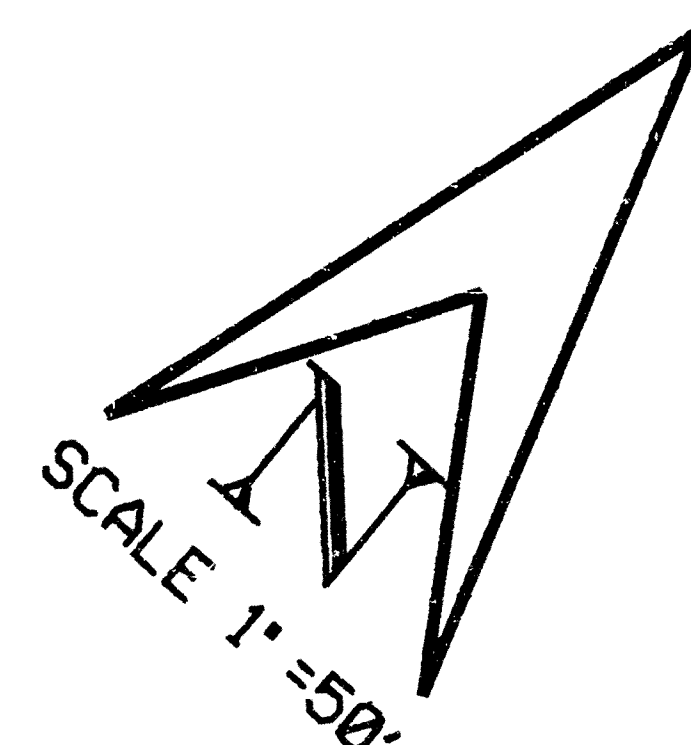
FD. 1" IP W/CONC. PLUG AND TACK.
NO TAG OR BAND, DN. 0.2' PER (R4)

CURVE DATA

(68)	$\Delta = 27^{\circ}59'08''$ R = 400.00' L = 195.38' T = 99.68' M & (R1)
(69)	$\Delta = 15^{\circ}11'52''$ R = 506.81' L = 134.43' T = 67.61' M & (R1)
	(T = 66.86' IN ERROR T = 67.61' CALC. REC.)
(70)	$\Delta = 10^{\circ}50'00''$ R = 500.00' L = 94.54' T = 47.41' M & (R1)
(75)	$\Delta = 10^{\circ}52'36''$ R = 390.71' L = 74.17' T = 37.20' ($\Delta = 11^{\circ}35'52''$ R = 390.71' L = 79.09' T = 39.68' R4)
(76)	$\Delta = 3^{\circ}56'08''$ R = 506.81' L = 34.96' T = 17.49' ($\Delta = 3^{\circ}20'59''$ R = 506.81' L = 29.63' T = 14.82' R4)

NOTE:
FOR MONUMENT NOTES AND
BASIS OF BEARING SEE SHEET 1

(R1) = RECORD PER O.R. 1480/138 & R.S.B. 9/2-5
(R2) = RECORD PER C.C.S. A/6-7, 751-760
(R4) = RECORD PER R.S.B. 16/50
(R8) = RECORD PER C.S.T.B. 147/33-47



SEC. 10
SEC. 11

AP 842-082-04

LINE W SEE SHEET 9

536.57' M (535.90' CALC. R4)
N 44°03'58" E 575.19' M (574.88' R4)

N 44°03'58" E 0.11'

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DATE OF SURVEY: JANUARY 1991 MICHAEL B. EMMONS P.L.S. 5899

AP 842-081-20
O.R. 13959/0297

AP 842-081-02
O.R. 12420/0201

R.S.B. 93 / 3 - 5

R.S.B. 93 / 37 - 39

R.S.B. 104 / 31
R.S.B. 9 / 2 - 5
O.R. 2372/0388

O.R. 1480/138

O.R. 496/44

DETAIL "B"
NOT IN SCALE

AP 842-081-22
O.R. 86-231434

AP 842-081-23 R.S.B. 103 / 25 - 39

AP 842-081-06

FD. 2" IP TAGGED "RCE 14749"
PER (R7) N 61°49'37" E 0.43'

GPS # 4307
FD. 2" IP WITH TAG
"RCE 23956" DN. 0.6'.
ACCEPTED AS RANCHO
TRABUCO COR. #13 PER
R.S.B. 110/30-36.
N 2185132.914
E 6158048.252

LIVE OAK CANYON ROAD
(PER O.R. 1480/138)

SEE DETAIL "B"

AP 125-032-25
O.R. 10933/0212
P.M.B. 39 / 32 - 33

TRACT NO. 12203
M.M. 340 / 0 - 14

R.S.B. 106 / 12 - 14

FD. 2" IP TAGGED "RCE 14749" PER (R7)

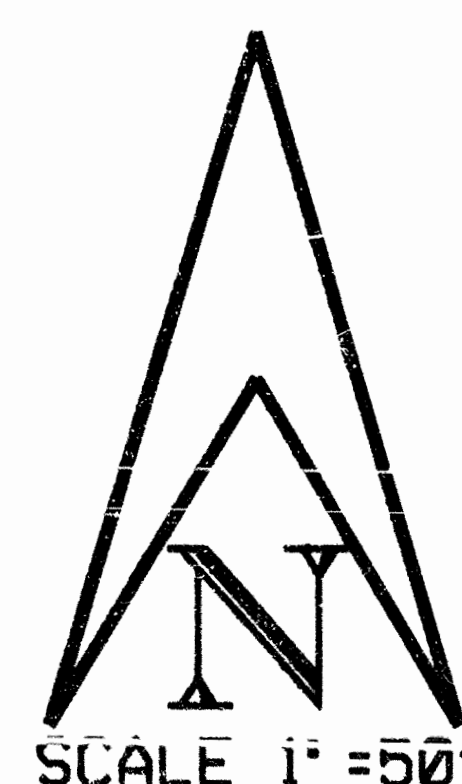
FD. 2" IP TAGGED
"RCE 14749" PER (R7).

CURVE DATA

71	Δ=36°48'28" R= 390.71' L= 251.00' T=130.00' (Δ=37°00'00" R= 390.71' L= 252.31' T=130.73' R1)
72	Δ=44°50'03" R= 234.23' L= 183.29' T= 96.62' (Δ=45°43'00" R= 234.23' L= 186.89' T= 98.74' R1)
73	Δ=122°41'10" R= 100.00' L= 214.13' T=192.98' (Δ=122°42'00" R= 100.00' L= 214.15' T=183.03' R6)
75	Δ=10°52'45" R= 390.71' L= 74.19' T= 37.21' (Δ=11°35'52" R= 390.71' L= 79.09' T= 39.68' R4)

NOTE:
FOR MONUMENT NOTES AND
BASIS OF BEARING SEE SHEET 1

(R1) = RECORD PER O.R. 1480/138 & R.S.B. 9/2-5
(R2) = RECORD PER O.C.S. A/6-7, 751-760
(R4) = RECORD PER R.S.B. 16/50
(R5) = RECORD PER R.S.B. 104/31
(R6) = RECORD PER O.R. 496/44
(R7) = RECORD PER P.M.B. 89/32-33
(R8) = RECORD PER C.S.T.B. 147/33-47
(R9) = RECORD PER O.R. 6477/797



SCALE 1" = 50'