

1783

CHECKING SUBDIVISIONS
ONLY

1783

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EUGENE DIETZGEN CO.

DRAWING MATERIALS, MATHEMATICAL and
SURVEYING INSTRUMENTS

Chicago ~~New York~~ ~~San Francisco~~ ~~New Orleans~~ Pittsburg Toronto

Distances from Center of Roadway for Cross-Sectioning
Roadway 16 feet wide. Side Slopes 1 on 1.
For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	0
1	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	1
2	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	2
3	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	3
4	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	4
5	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	5
6	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	6
7	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	7
8	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	8
9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	9
10	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	10
11	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	11
12	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	12
13	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	13
14	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	14
15	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	15
16	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	16
17	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	17
18	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	18
19	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	19
20	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	20
21	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	21
22	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	22
23	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	23
24	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	24
25	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	25
26	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	26
27	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	27
28	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	28
29	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	29
30	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	30
31	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	31
32	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	32
33	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	33
34	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	34
35	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	35
36	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	36
37	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	37
38	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	38
39	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	39
40	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 30.6. For same slopes but other widths of roadbed, correct above figures by one-half difference in width of roadbed; thus in example above, for 20 ft. roadbed distance will be $30.6 + (20 - 16) \times 2$ or 2 ft. added to $30.6 = 32.6$. For slopes of 1 on $1\frac{1}{2}$ see inside of back cover.

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1783

CITY ENGINEER'S OFFICE

INDEXED

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except page # 37

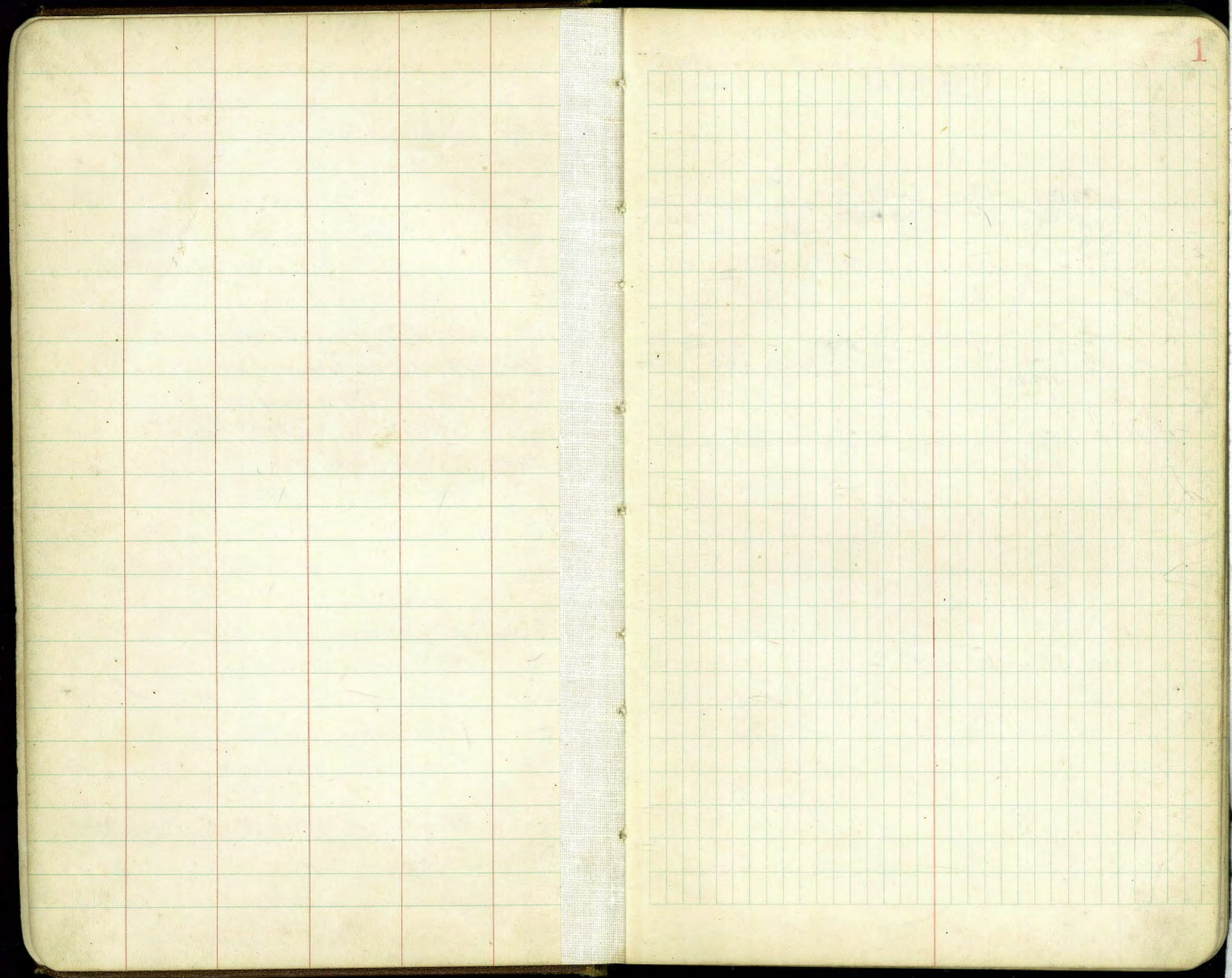
52.97
50.26
103.23
53.01
50.22

This Field Book is manufactured of a High Grade 50% Rag Paper having a WATER RESISTING SURFACE, and is sewed with Bing Special Enamel Waterproof thread.

Made in U. S. A.

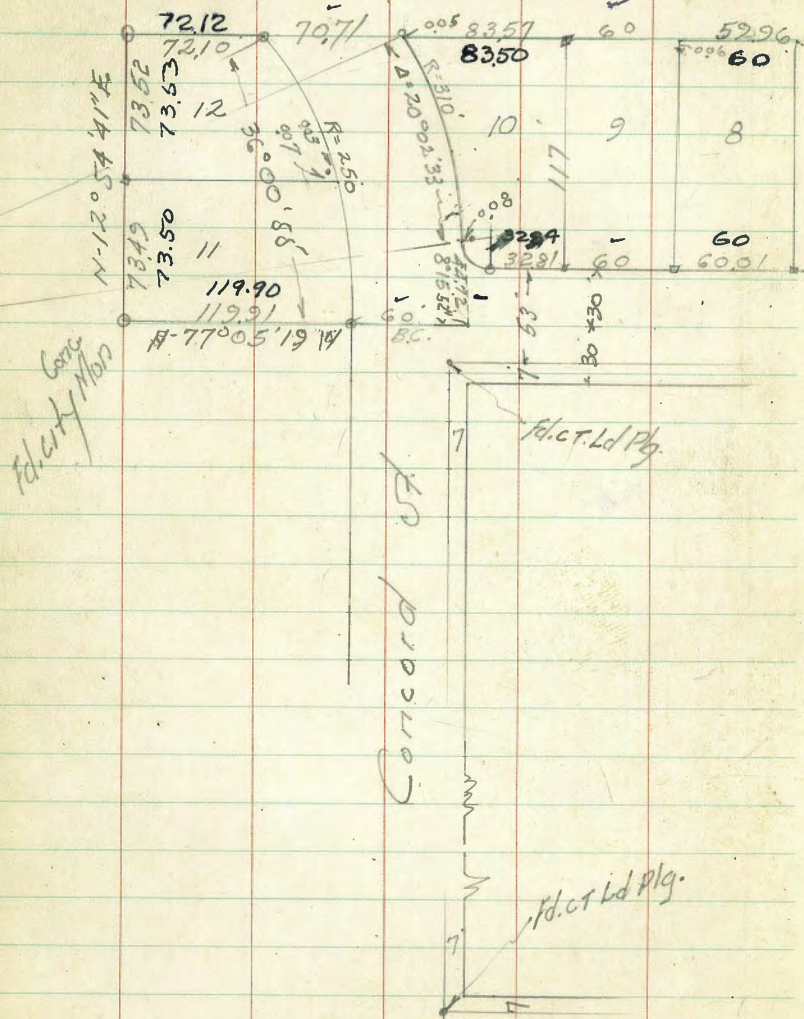
Pages -

- 2-3 - Check Griffith Hts
4-9 - Prelim - Culvert - Victory Manor
10-14 - Check - Lamont Terrace
15 - " Chalcedony Terrace add.
16-17 " R. & S. Wildwood + Redondo
18 " " " O.L. Steel Subd.
21 " Pt. Loma Highlands Unit #1
23 Check Furlow Hts Unit No. 1.
24 Check ^{EXTERIOR} Westwood Hills Unit No. 1
25-26 Check Bellevue Hts Unit No. 3 ✓
31 College Park Unit #3
33 Cal-ornial Terrace
34. EMERALD HILLS
38-41 La Jolla Highlands
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61-64 Westwood Hills #1 Interior
65 Purpus Park "
66-67 Survey in Marcellena Tract to determine
discrepancy in College Park #38 Collwood Gardens
68-73 Interior Check Hazard Tract #1



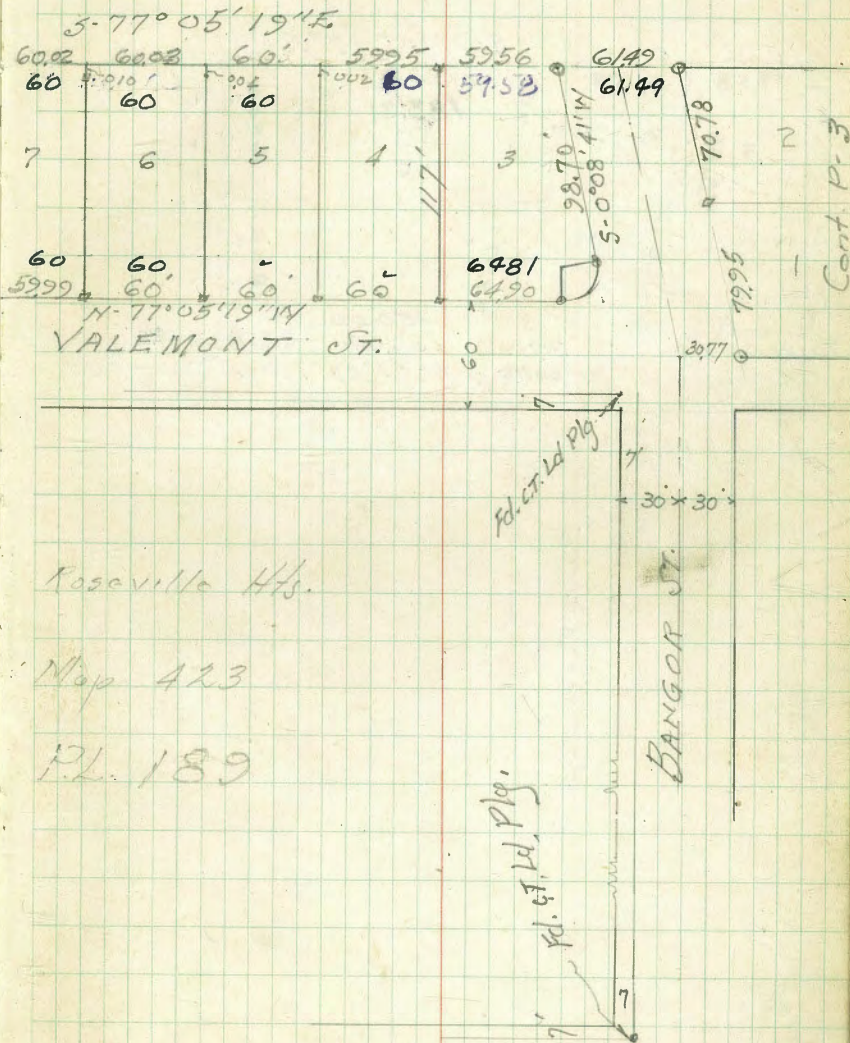
Walker
Hendricks
Becker
Johnson
6-18-47

GRIFFITH HEIGHTS - Subdivision. (Check in Field)

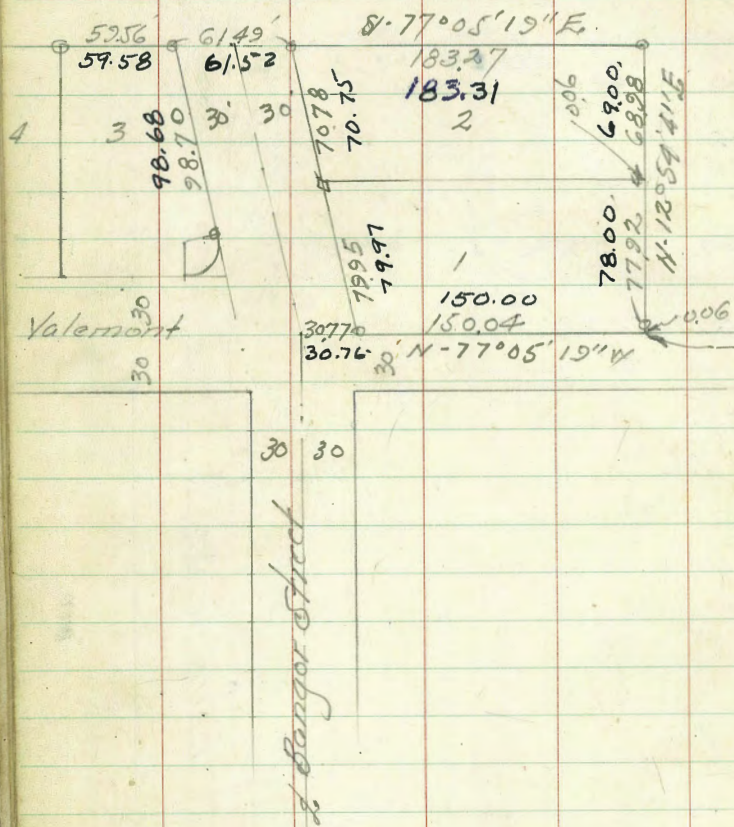


Indexed map
8-2047

INDEXED



Field Check
 GRIFFIN HEIGHTS SUBDIVISION
 Cont. from p. 2



Indexed m^o
 8-20-47

INDEXED

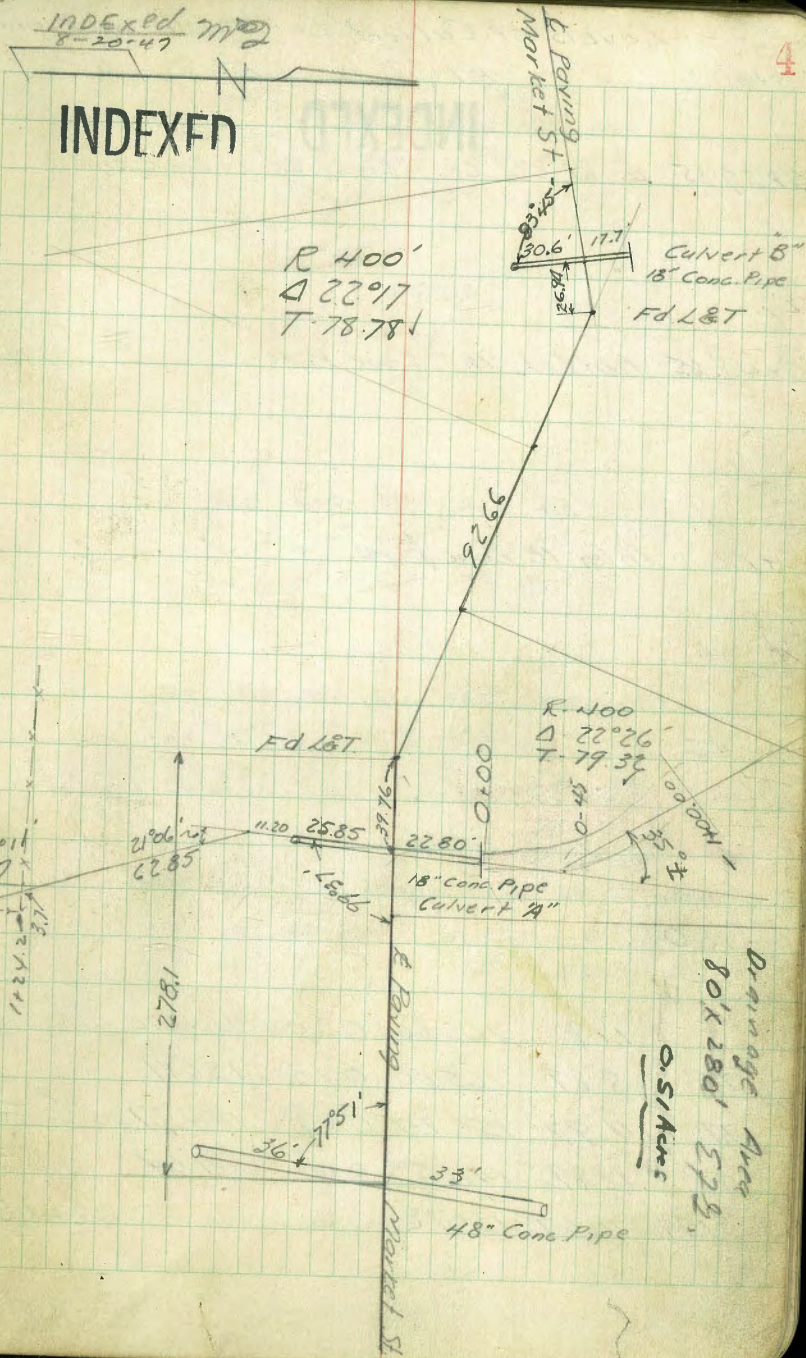
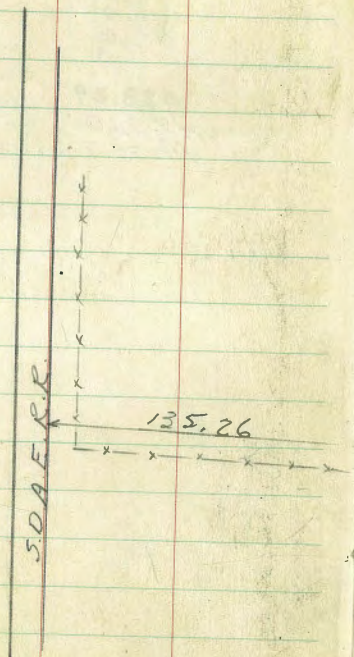
428.29
 (429.10
 Meas Twice)

fd. $\frac{1}{2}$ Iron Pin
 Tie Book 28
 14

Hendricks Survey of Culverts & Drainage
 Hardin Area Victory Manor
 Smith
 Worrell
 Aug 15, 1947
 W.D. 21026

34.76
 79.34
 92.66
 76.78
 26.94

 317.46



Levels at Culvert Lot 12 Victory Manor

Sta + HI - Elev BM

INDEXED

0+59.85 \angle 21°06' Lt. Right Lt to Back Line

0+48.65 Outlet 18" Conc. Pipe

0+00 Inlet 18" Conc. pipe

0-45

0-100

TP	118	165.88	0.30	164.70
TP	8.89	165.00	0.13	156.11
TP	11.97	156.24	0.26	144.27
TP	12.89	144.53	0.08	131.64
B.M.	10.67	131.72		

121.05

61.4 59.6 58.6 59.4 59.5 160.6
 4.7 6.3 7.3 6.5 6.4 5.3
 20 0.5 0.5 10 25

157.89

7.99

FL.

162.0 164.8 159.91 162.3 163.1
 3.9 4.5 6.4 3.6 2.8
 21 4 FL 7 20

78.9 71.3 70.1 67.2 69.5 73.9 181.9
 +8° +5° +4° +1° +3° +7° +16°
 40 20 3 3 25 60
 Ridge Top Ridge

182.6 82.9 74.0 176.4 177.2 180.7 183.2
 +18° +7° +11° +10° +11° +14° +17°
 50 30 8 15 35 50
 Ridge Top Ridge

Top Five plug 56th & Market

(S. End Bridge West Side) 54th St at SDAERR Crossing

Sta. + H.I. - Elev

1+62 Beg. ^{4"} Conc. Wall 0.5 Rt.

1+58

1+24.2 Wire Fence (corner 27 Lt. 2.)

TP 0.52 153.23 13.17 152.71 ✓

1+22.70 L 23°11' Rt. Taken Right 1/2 to Back Line

1+00

0+68

165.88 ✓

6

148.43

4 8.0

0.5

149.7 49.6 49.0 49.3 148.9

2 2 3 2 4 2 3 2 4 2

20 10 10 25

154.7 55.3 54.6 53.2 152.5

9 2 10 6 11 3 12 2 13 4

18 10 10 20

158.1 57.1 56.4 55.5 155.1

7 8 8 8 9 5 10 4 10 8

20 10 10 20

141.3 60.7 59.1 57.8 57.5

4 5 5 7 6 8 8 5 8 5

20 10 10 20

Sta	+	H.I	-	Elev
B.M.		11.19	121.09	121.05 ✓
TP	0.92	132.28	9.05	131.36
TP	0.19	140.41	13.01	140.22
2157.96	do. Rail			

2150

2131 Wire Fence (Corner 2' L & E)

1180

1176 End 4" Conc Ret Wall 1' Rt.

153.23 ✓

Starting B.M.

192.76

10.47

192.6	192.7	91.8	91.2	191.0
10 ⁶	10 ⁵	11 ⁴	12 ⁰	12 ³
20	10		10	20

193.9	92.9	92.7	92.2	191.9
9 ⁵	10 ³	10 ⁵	11 ⁰	11 ³
20	10		10	20

97.9	97.6	96.8	96.2	196.0
5 ³	5 ⁶	6 ⁴	7 ⁰	7 ²
20	10		10	25

197.98

5.75

1

Profile Levels 5' North of No. Edge
of Paving on Market St. Between
Culvert A & B

INDEXED

Sta. + H.I. - Elev. B.M.

2+00

1+50

1+00

0+50

0+00 Culvert "A."

B.M. 003 164.73

164.70

8

on North Prop Line - 7th St

159.6

5'

160.6

4'

161.3

3'

162.1

2'

162.8 159.90

19' 5 3/4"

FL.

Top Fire Hydr. 56th & Market See P. 5

Sta	t	HI	-	Elev
BM		11.19	121.09	121.05
TP	0.92	132.28	9.05	131.36
TP	0.19	140.41	13.01	140.22
TP	0.52	153.23	13.17	152.71
TP	1.18	165.88	0.03	164.70

3+11± Culvert B"

2+50

164.73

Starting BM on Bridge

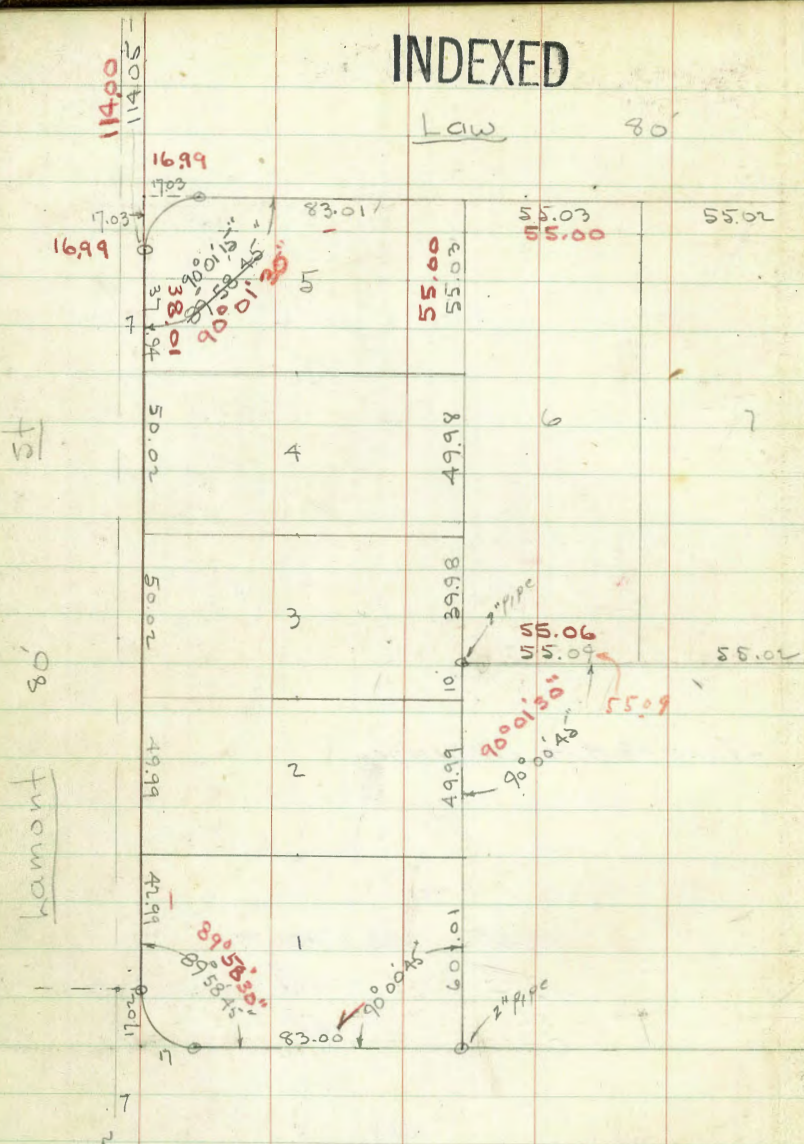
151.51	57.8	152.74
13.22	6.9	9.99
FL Outlet		FL Inlet

158.9

5.8

INDEXED

Law 80'



Chalcedony 80'

Check Sub. - Lamont Terrace

8-19-47

Osborne
Hardin
Smith
Warrell

S. 21me
lot at
7

INDEXED

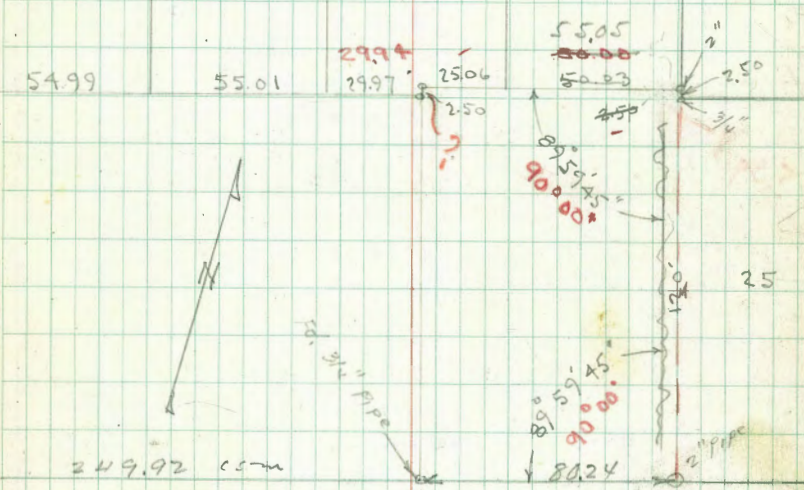
8-20-47

St.

Line O.K.

55	54.98	55.02	55
8	9	10	11
12			

Block Z



2" Pipes shown thus
1/2" Pipes at lot Corners

W.O. 23038

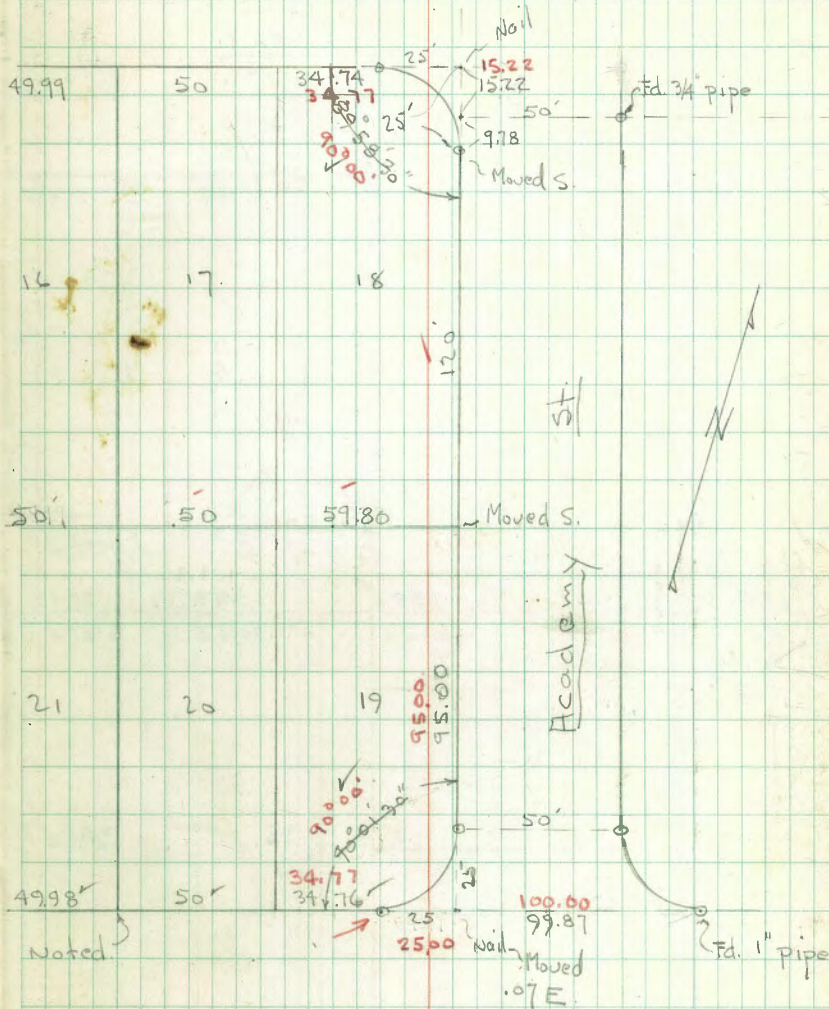
RED FIGURES DENOTE MAP DISTANCES AND ANGLES. S.W.E.

Law - 80' st
INDEXED

Line ok.			
50	50	49.98	49.97 50.00
12	13	14	15
Block 2			
			X
	50.00	50.00	50.00
50	50.00	50.06	50.02
50.00	? Moved.	Line ok.	
25	24	23	22
50.00	50.04	50.05	50.05
50.05	55.00	50.01	50.00
	55.03		50.04

1/2 Pipes ok. for Line unless
 OSBORNE = 339.84
 PETERSON = 339.77

Chalcedony - 80' .07



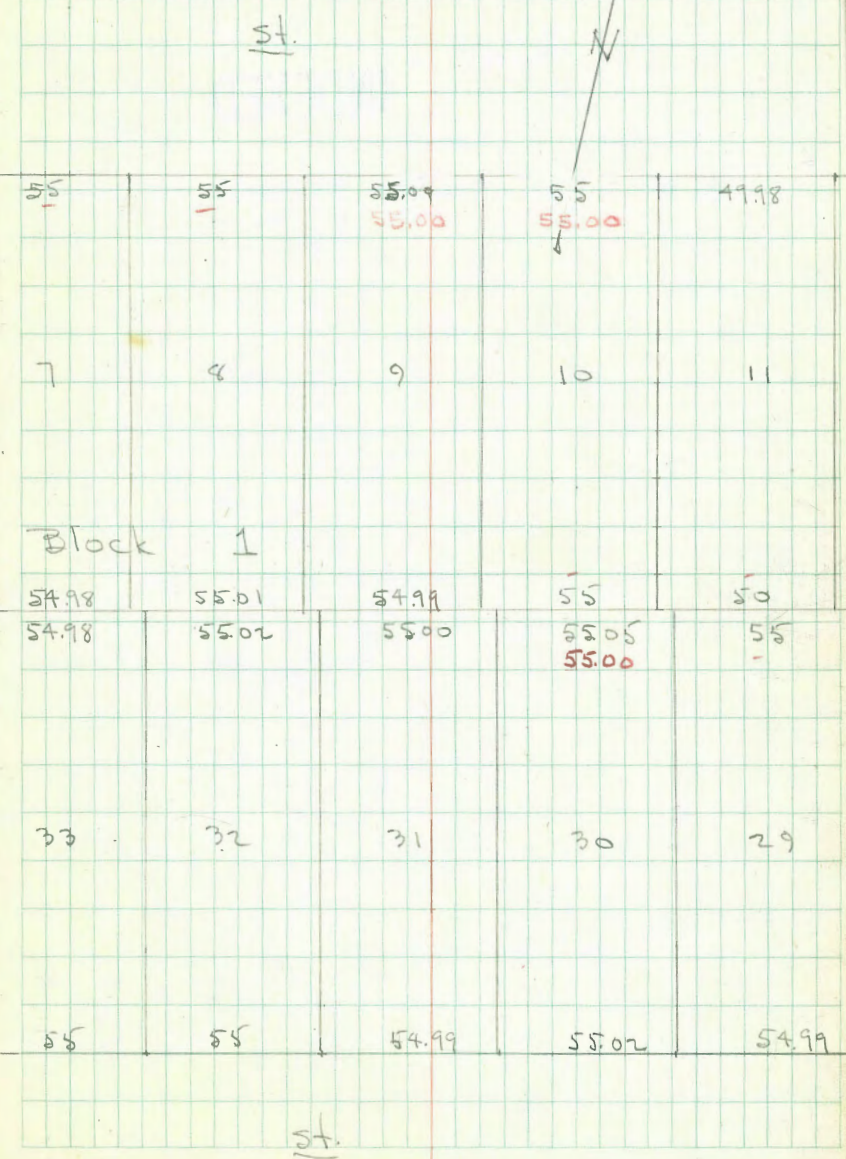
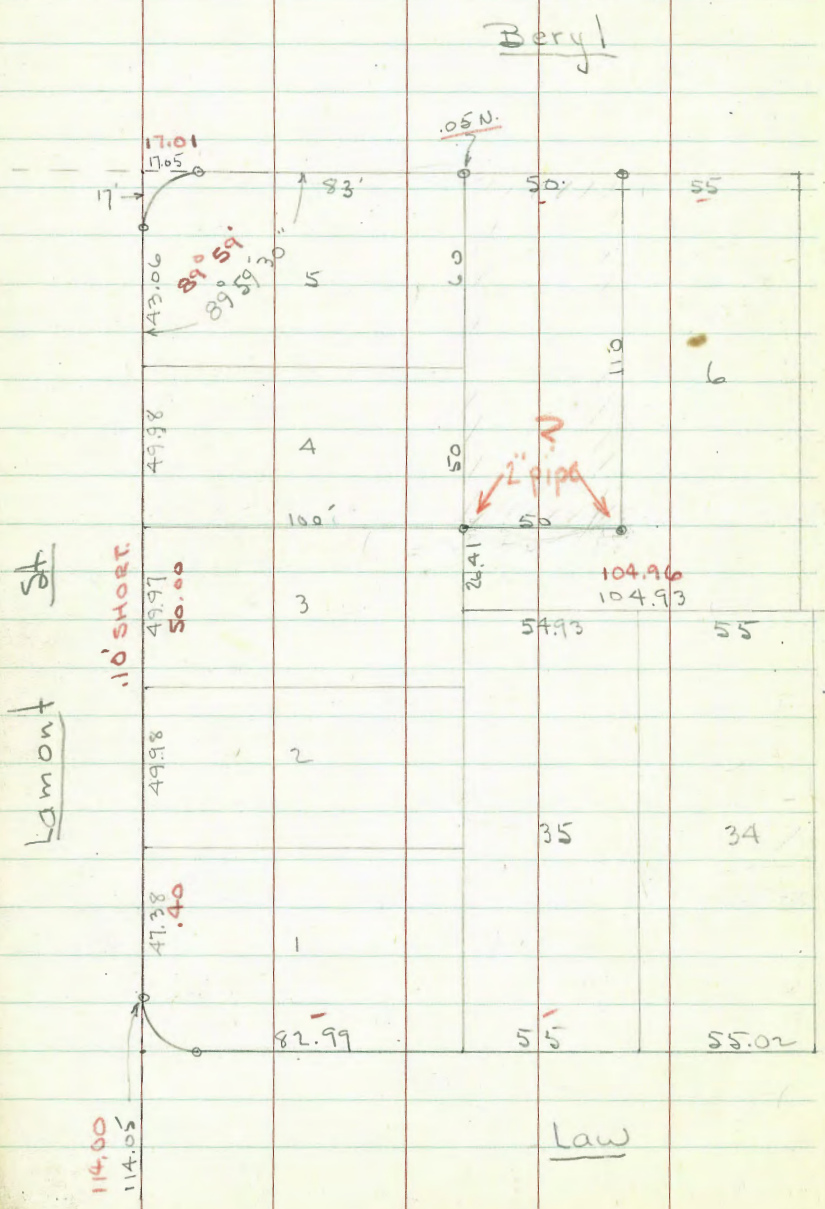
49.99 50 59.80 Moved S.

21 20

49.98 50

Noted

st.



Lamont Terrace - Sub.

Beryl

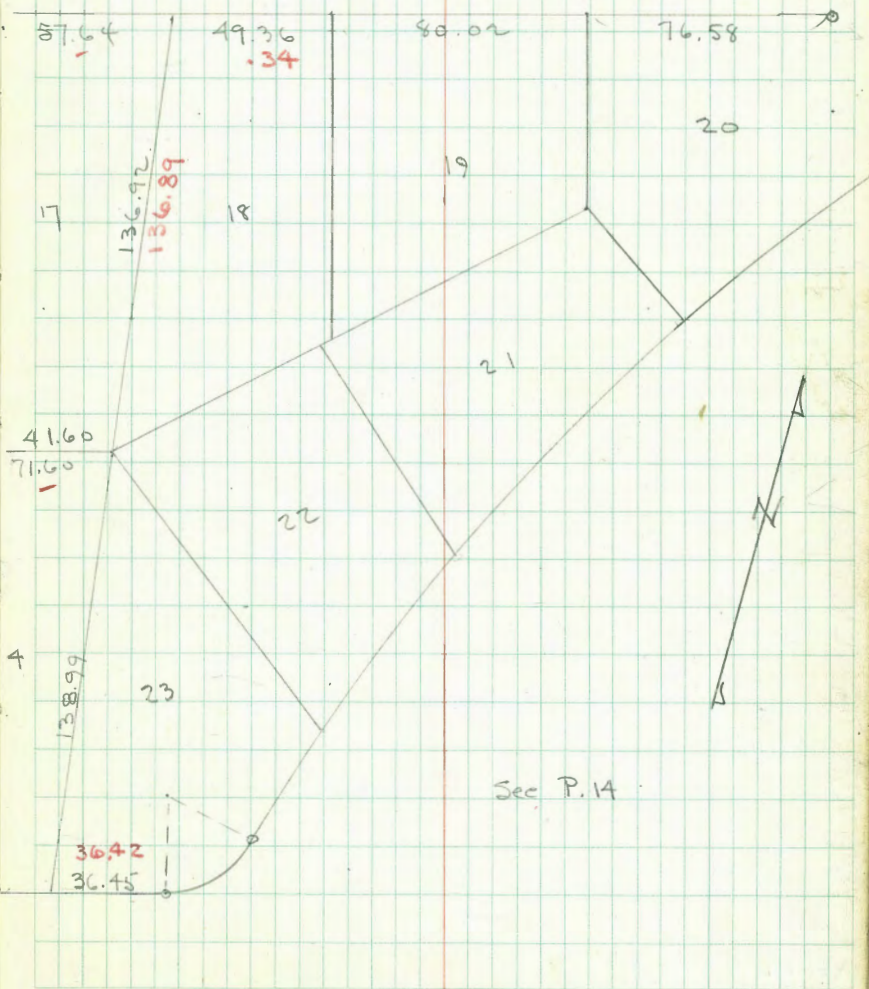
INDEXED

50.02	50.02	49.99	49.99	50.01
12	13	14	15	16
Block 1				
.045 50.01	50.01	50.00 50.07	50 .045	.045 50.02
55.02	55.0	49.96 50.00	50.02	
28	27	26	25	24
55.01	55 .	49.99	50 .	55.19

Law

St

St



Beryl

INDEXED

st

Moved S..04

76.58

19

20

18

27° 28' 05"

Turned
21 → 27° 28' 05"
from pipe
to pipe

Ch = 200.13 (meas)
200.17

from pipe
Set nail
Academy

22

50-

N. 63° 36' 15" W.

Δ = 41°
R = 275' w.k.

32° 52' 50"

D = 32° 52' 45"

R = 30'

3.20
3.18

32.58
172.6 (Fig)
Ch = 172.6 (Fig)

20° 30'
D = 20° 30'
Ch = 172.6 (Fig)

Law
St.

15.22
15.22

9.18
50

14

248.05
247.96

3/4 Pipe
0.06 South
(N.O.K.)

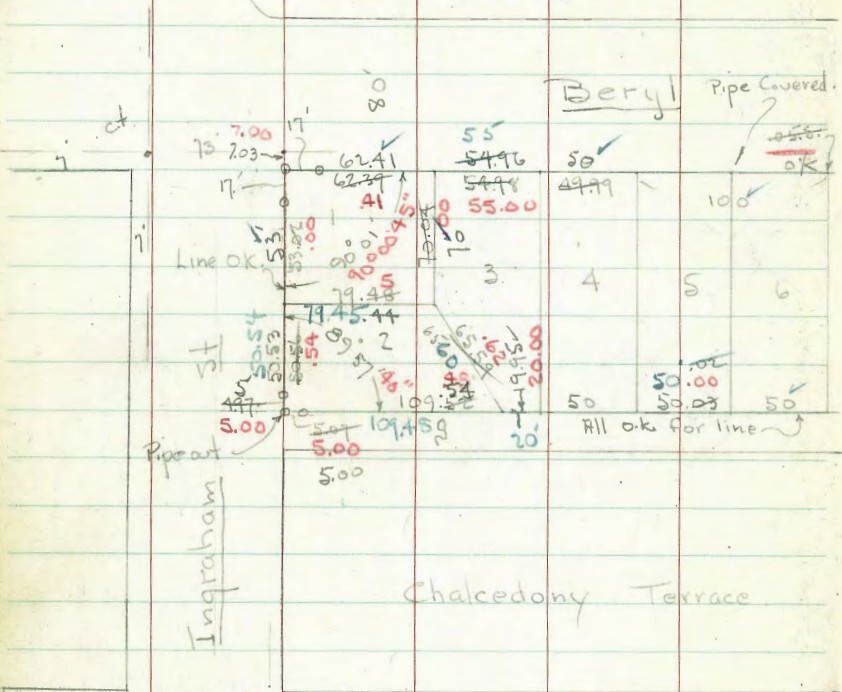
22° 28' 05"
12° 26' 50"

50-

N 49° 40' 04" W
W.L. R = 805'

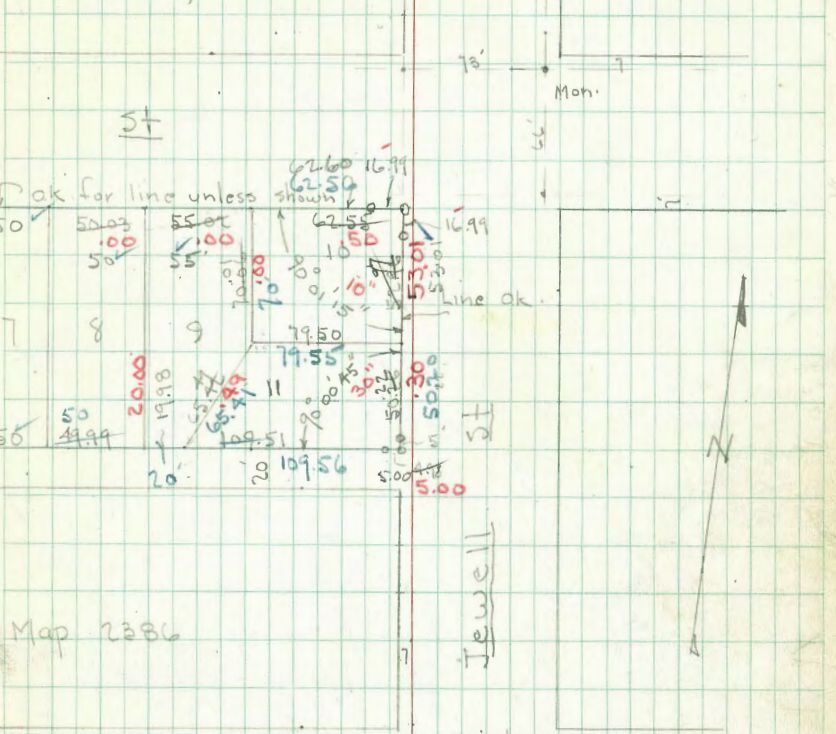
Lamont Terrace Sub.

Check Subdivision of
INDEXED



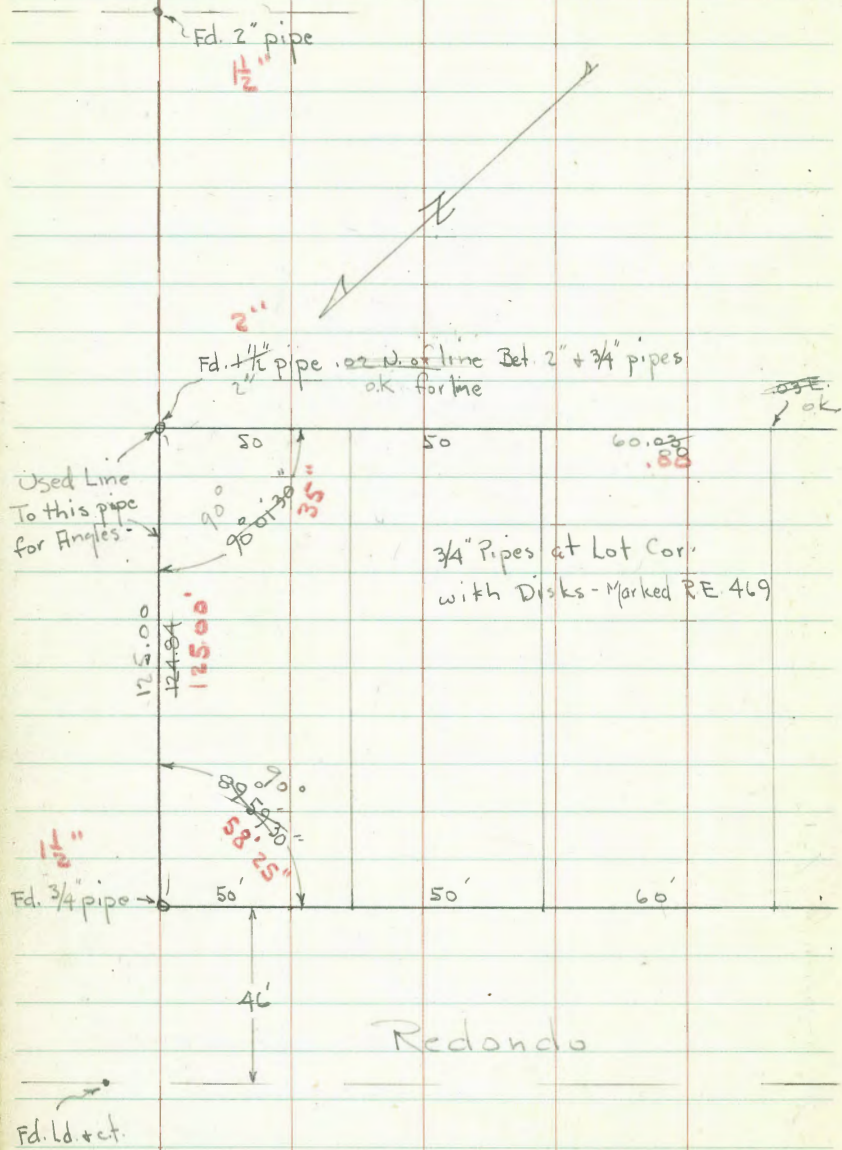
40' 2" pipes shown thus: 0
3/4" pipes at all Lot Corners
Marked L.S. 2201 = F.W Daniels
W.O. 23043

~~Indexed~~
INDEXED **15**



10-9-47 **NOTE:**
Osborne
Hardin
Smith
Worrell
**FIGURES IN RED INDICATE
MAP DISTANCES.**
Blue = Final check 11-6-47 - 7.0

10-29-47 - Rechecked - 7.0
Daniels will change map Dist.



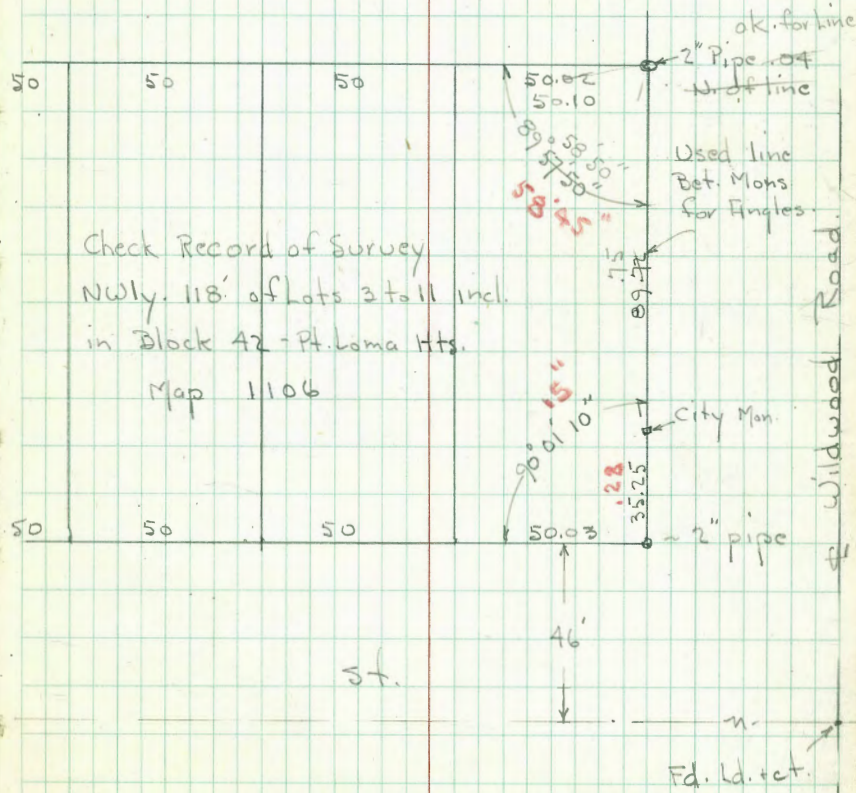
1898
W.O. 23056

Indexed
88

INDEXED

city Mon. 16

11-19-47
Osborne
Hardin
Smith
Warrell



Check Record of Survey
NWly. 118' of Lots 3 to 11 incl.
in Block 42 - Pt. Loma Hts.
Map 1106

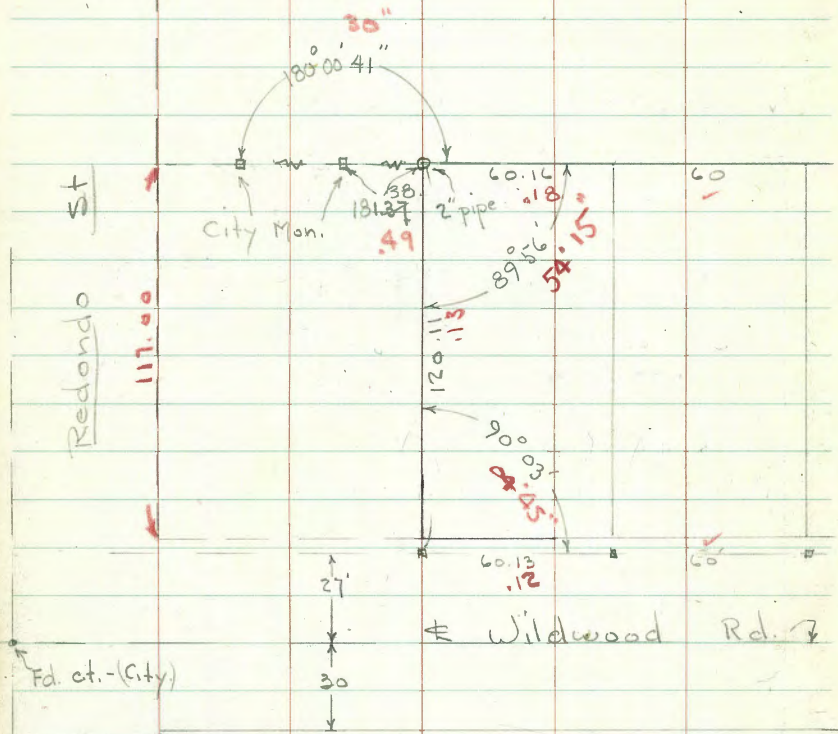
FIGURES IN RED - TAKEN FROM MAP.

1899

W.O. 23057

11-20-47

Osborne
Hardin
Smith
Warrell



Indexed

INDEXED

17

Check.

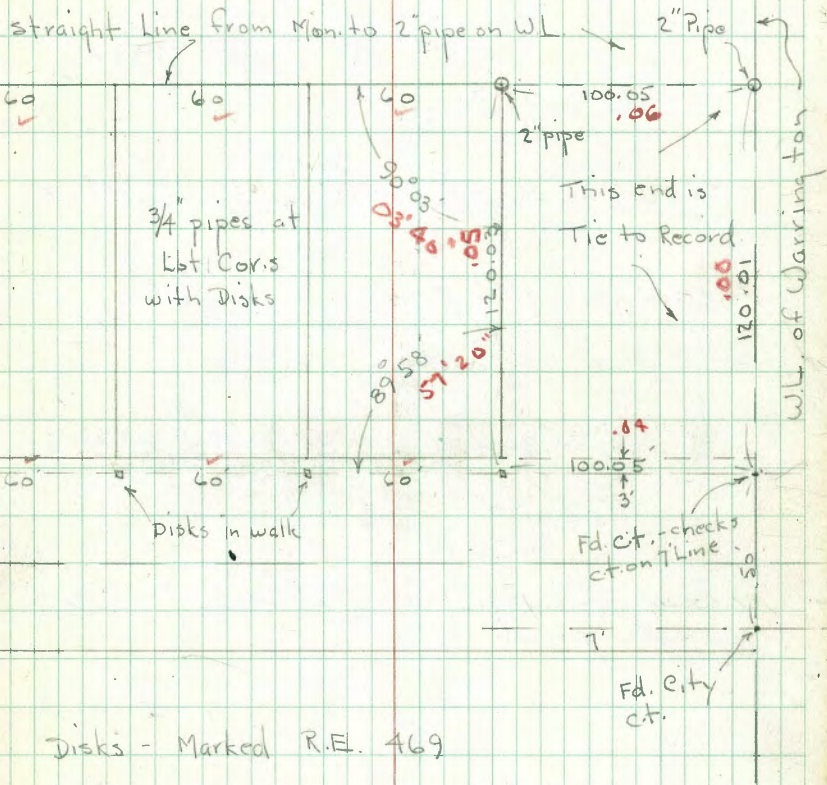
JB

± Narragansett ↗

ct.

Record of Survey

Lots - 2 to 8 incl. of Block 4 - Map 1388



Disks - Marked R.E. 469

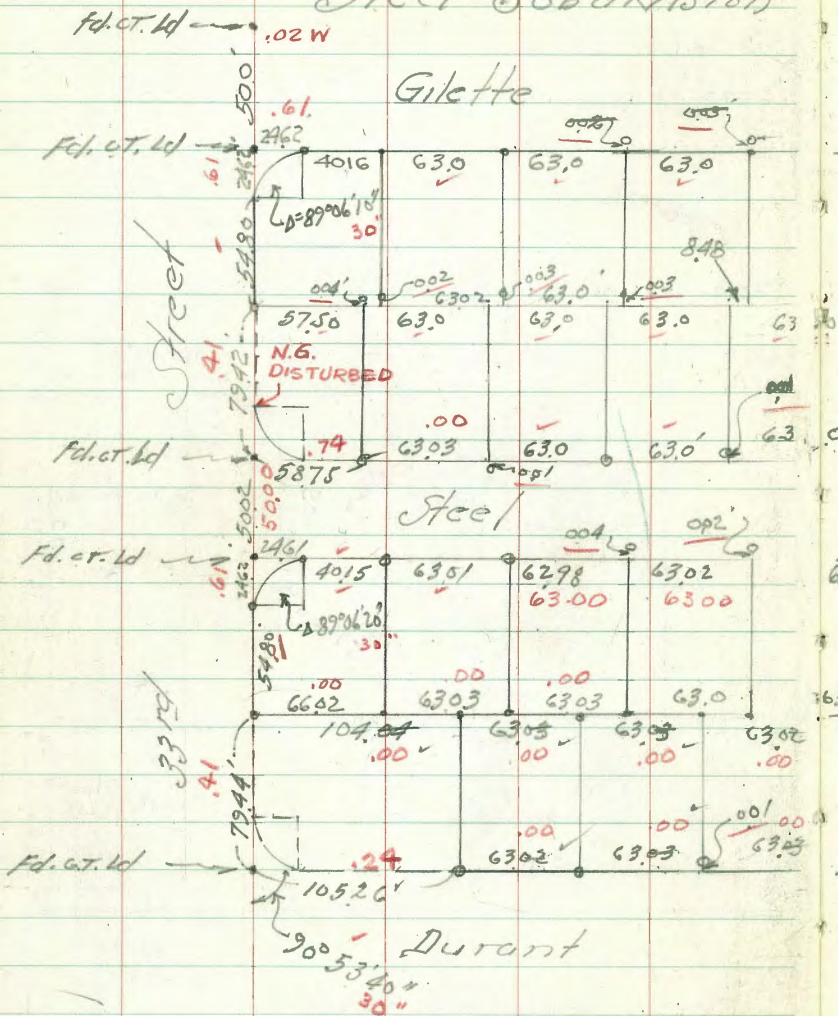
FIGURES IN RED - TAKEN FROM MAP.

Check Record of Steel Subdivision

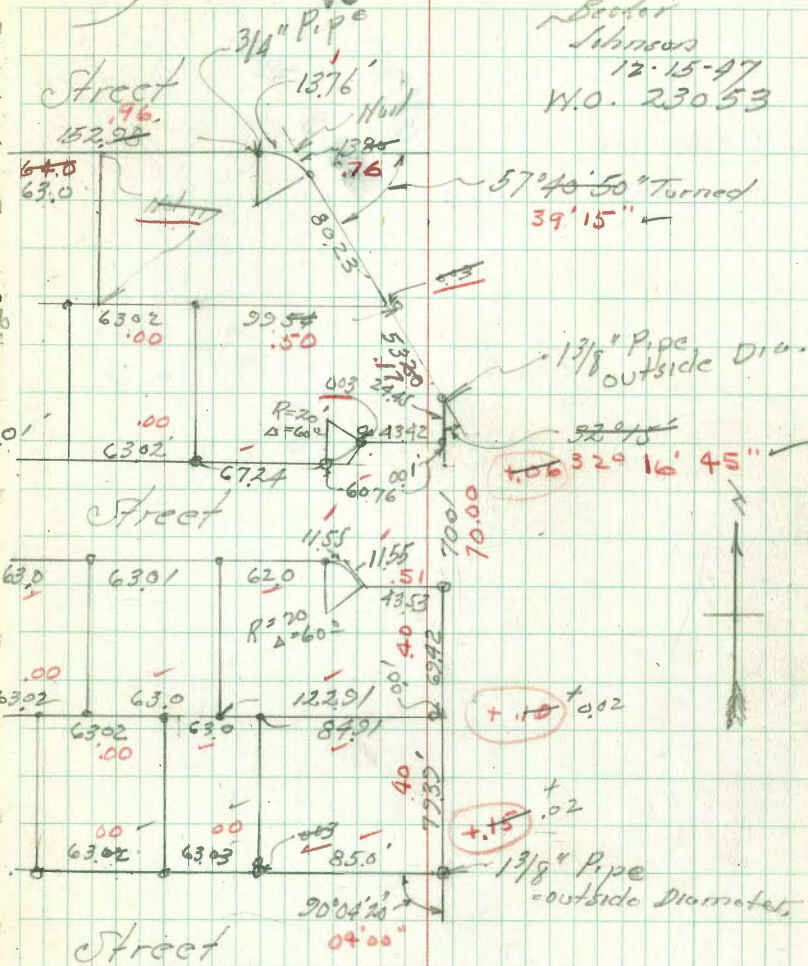
Survey

Indexed

Walker
Handicks
Booker
Shinnors
12-15-97
W.O. 23053



Note: 5/8" Iron Pins
on Rear lot lines



FIGURES IN RED ARE TAKEN FROM MAP.

Check Boundary of
Belview Hts. - Unit # 2
a = 2" Pipes found.
W.O. 23058

INDEXED
MAR 3 1948

Conc. Man

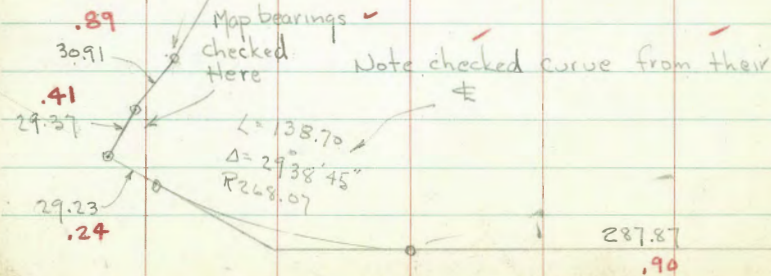
89° 56' 45"

599.78
599.37

599.63

58.41

51

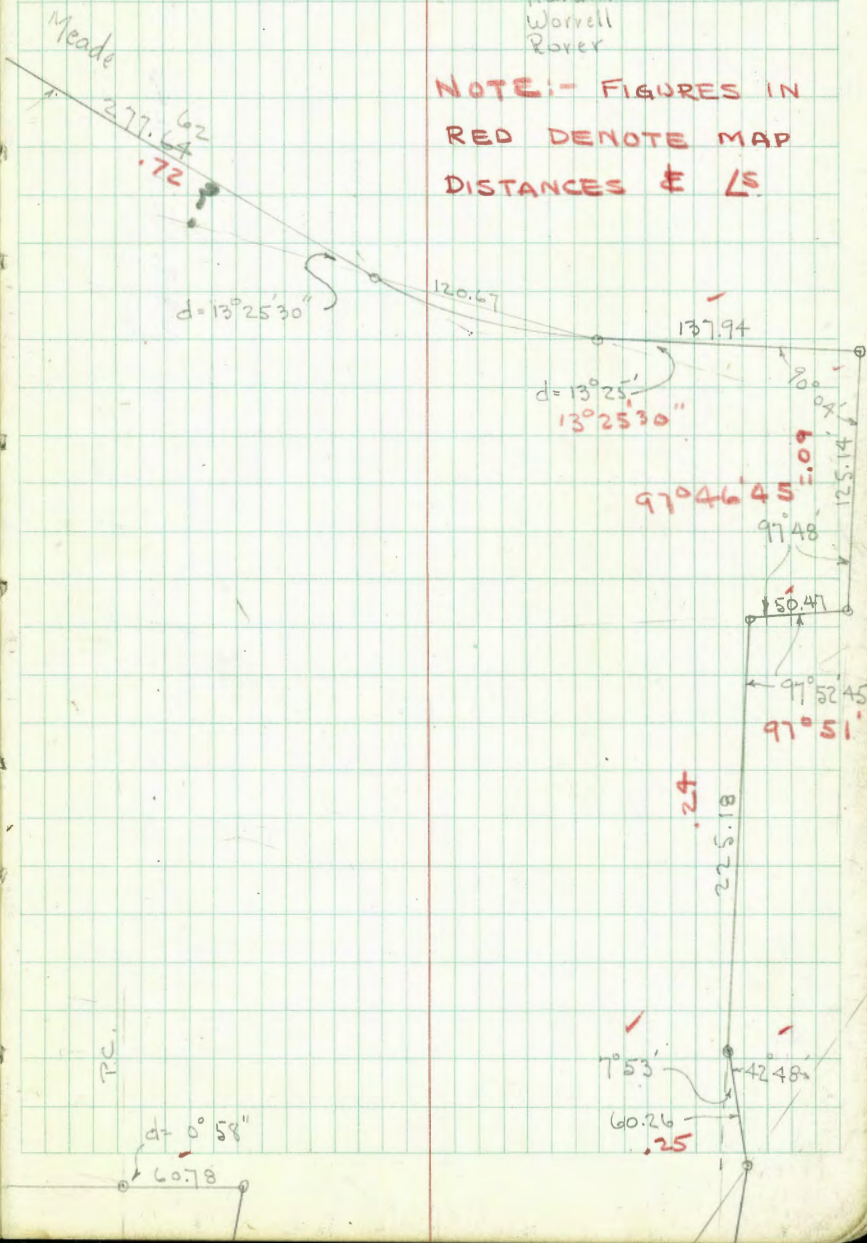


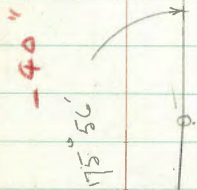
3-2+3-48

19

Osborne
Hardin
Worrell
Rover

**NOTE:- FIGURES IN
RED DENOTE MAP
DISTANCES & \angle s**





540.76

30°06'01" (CALC.)

13°17'45"

149.78

329.06

130°11'44" (CALC.)

449.95 (CALC.)

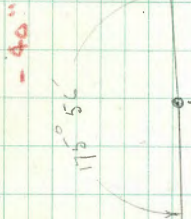
450.00

Lumber
Pile
Couldn't
get thru.

160°48'

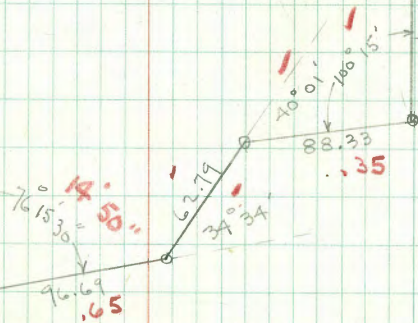
.34

460.25



.69

313.55

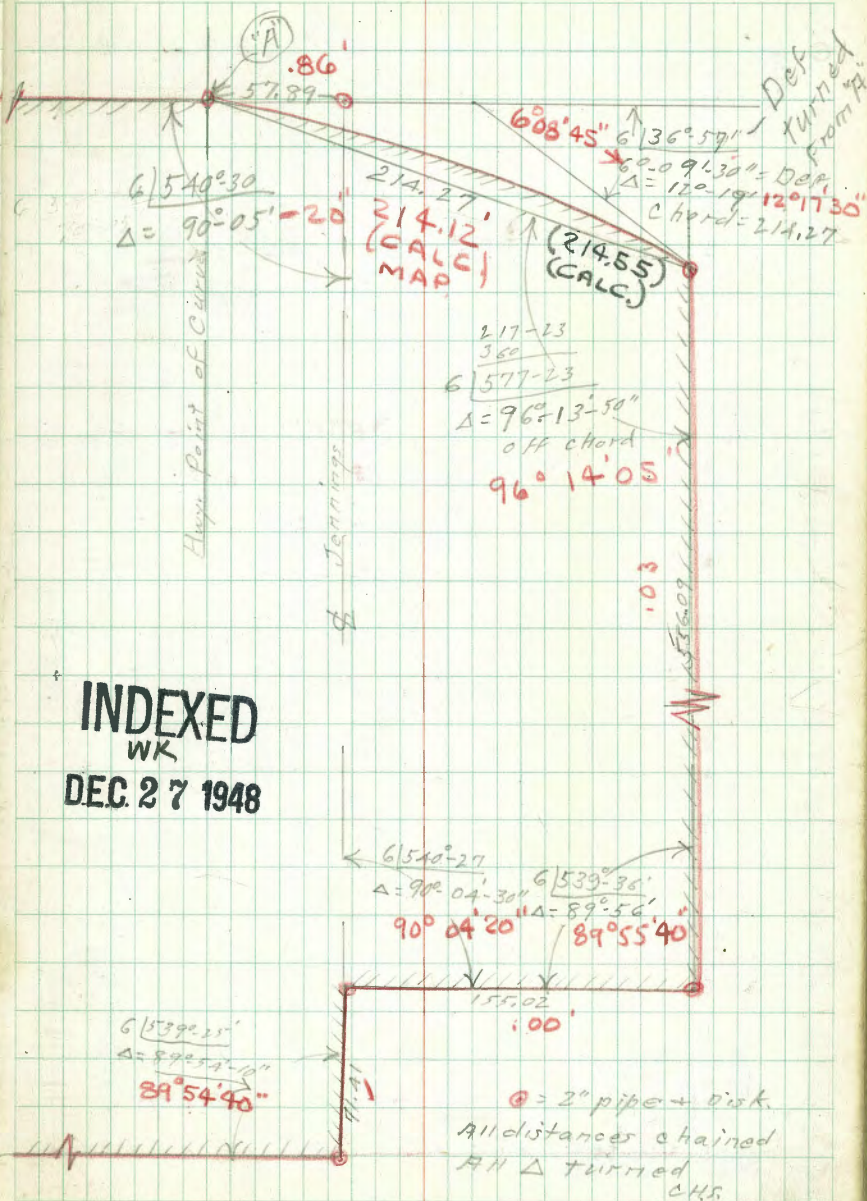
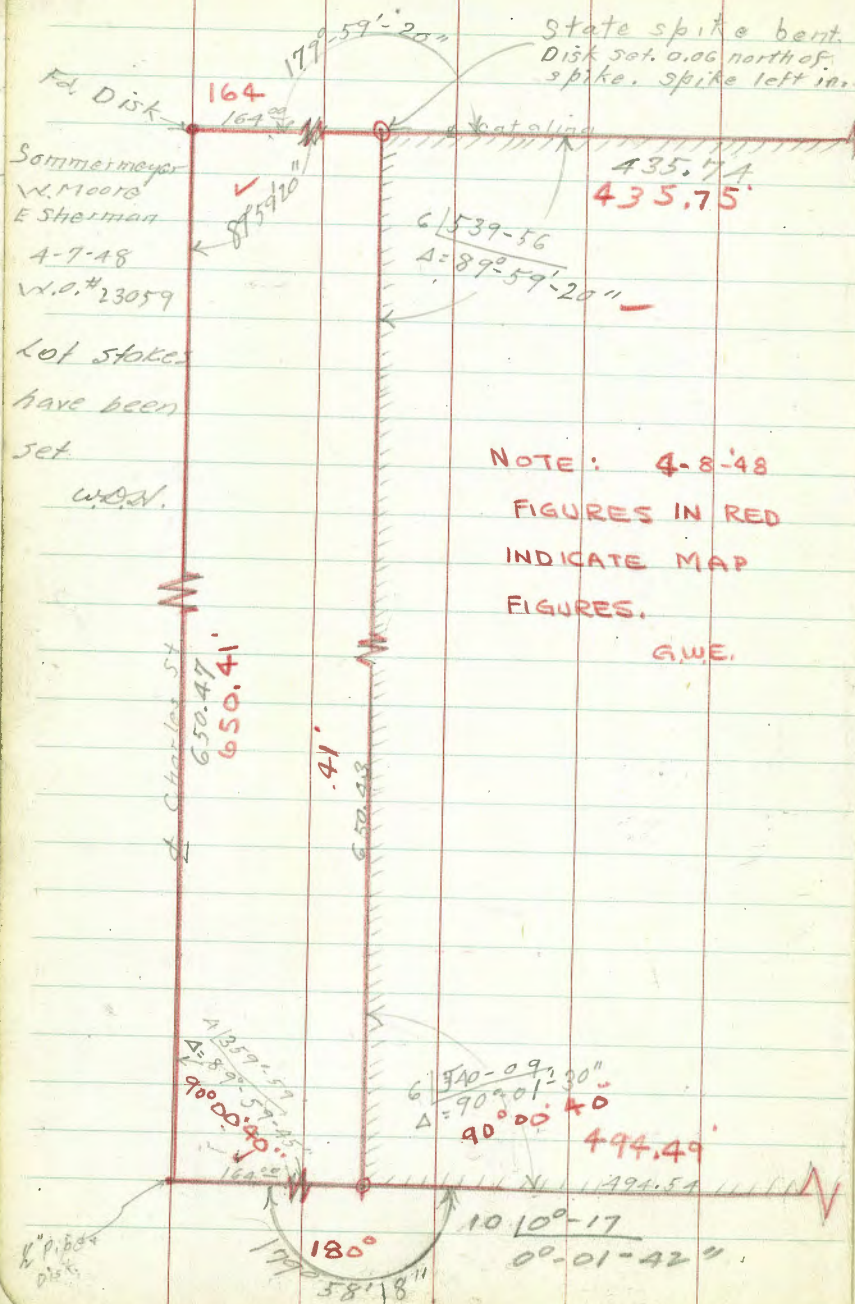


460.25

.34

?

Point Loma Highlands Unit #1 21

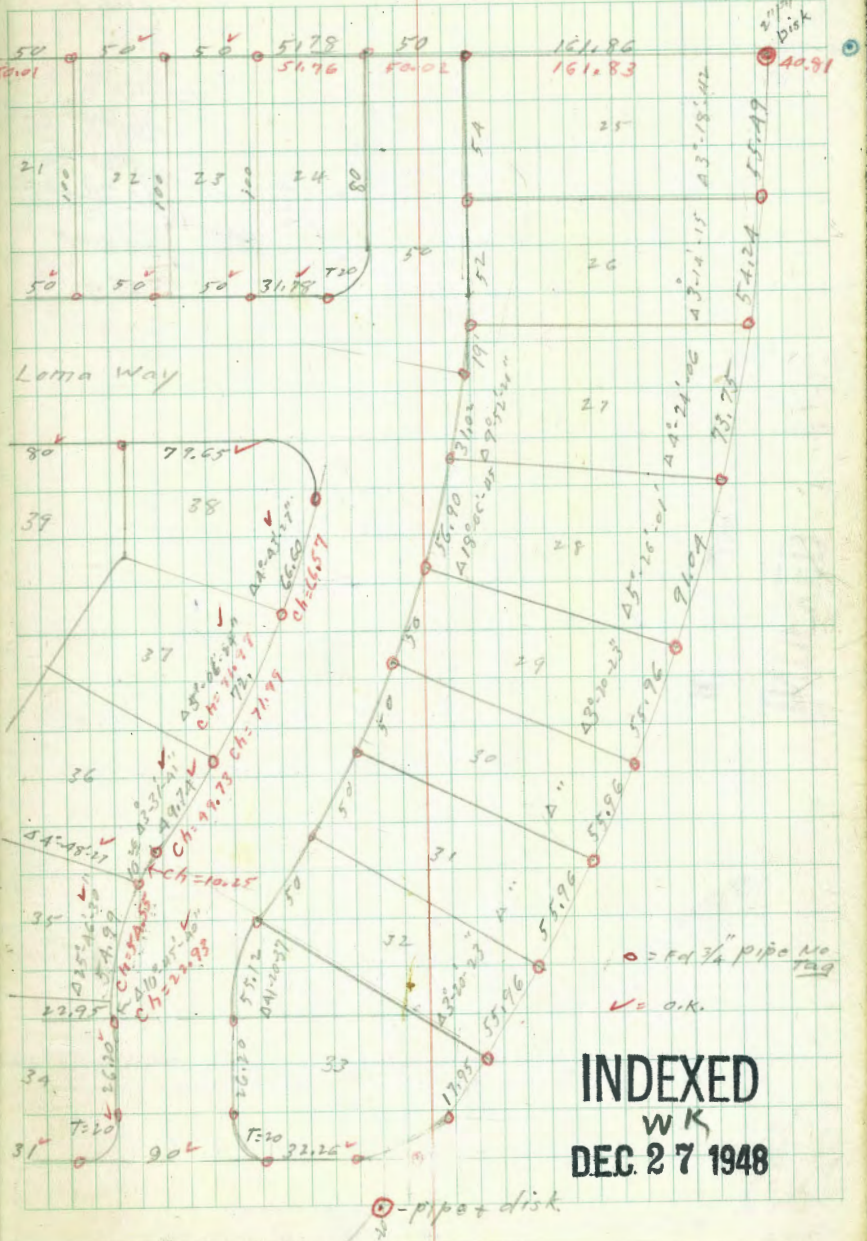
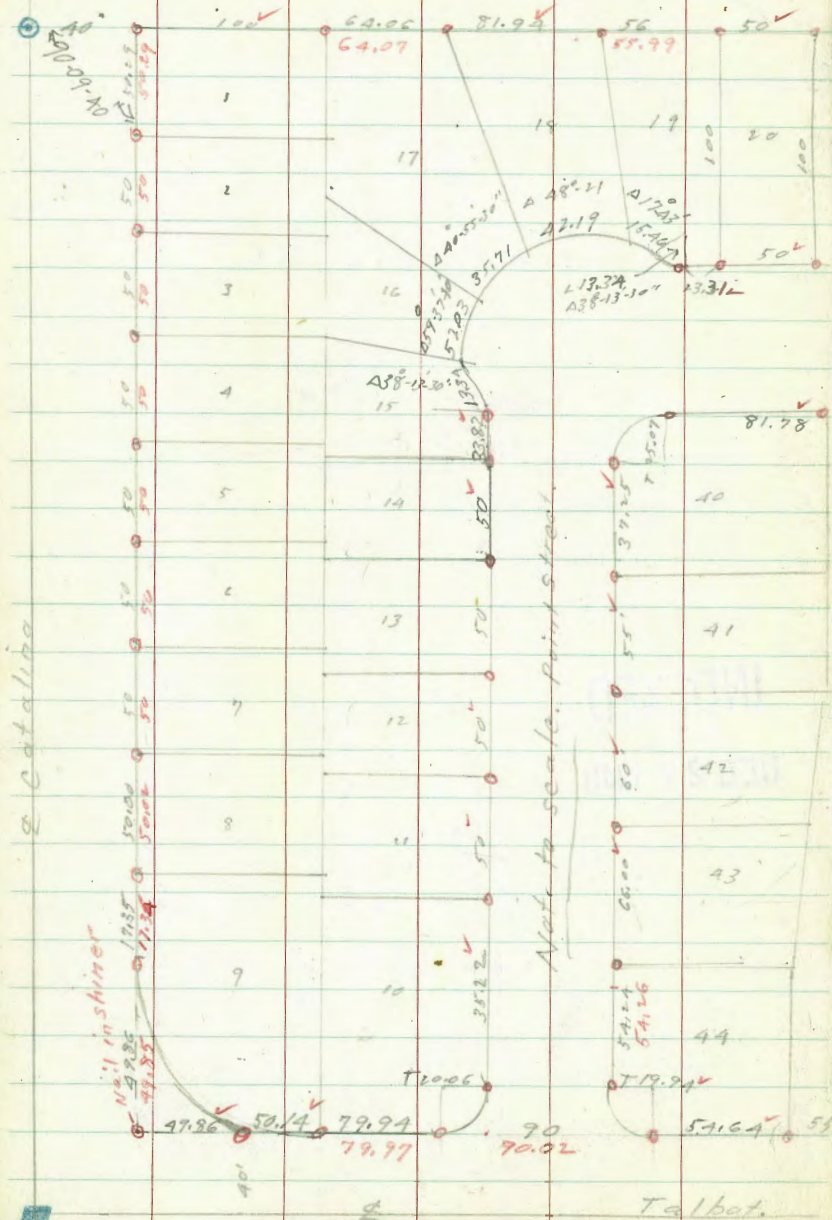


INDEXED
WK
DEC 27 1948

Check Pt. Latta Manor 4-26-48

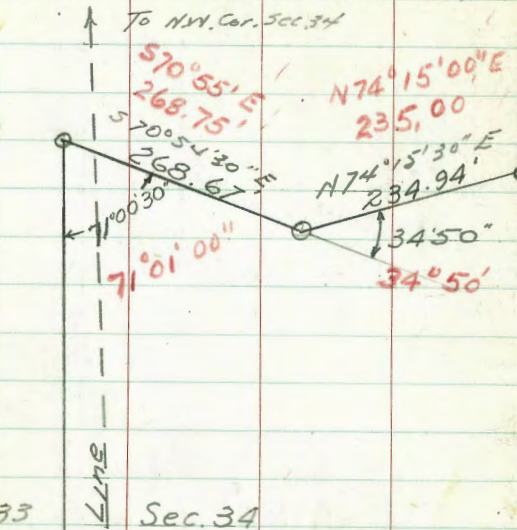
Sommers
McCoy
Wheeler
Sturman

22



July 15, 1948
 Hendricks
 Roberts
 Greer
 Rorer
 W.O.# 23027

Check Outer Boundary
 Furlow Hts Unit No. 1



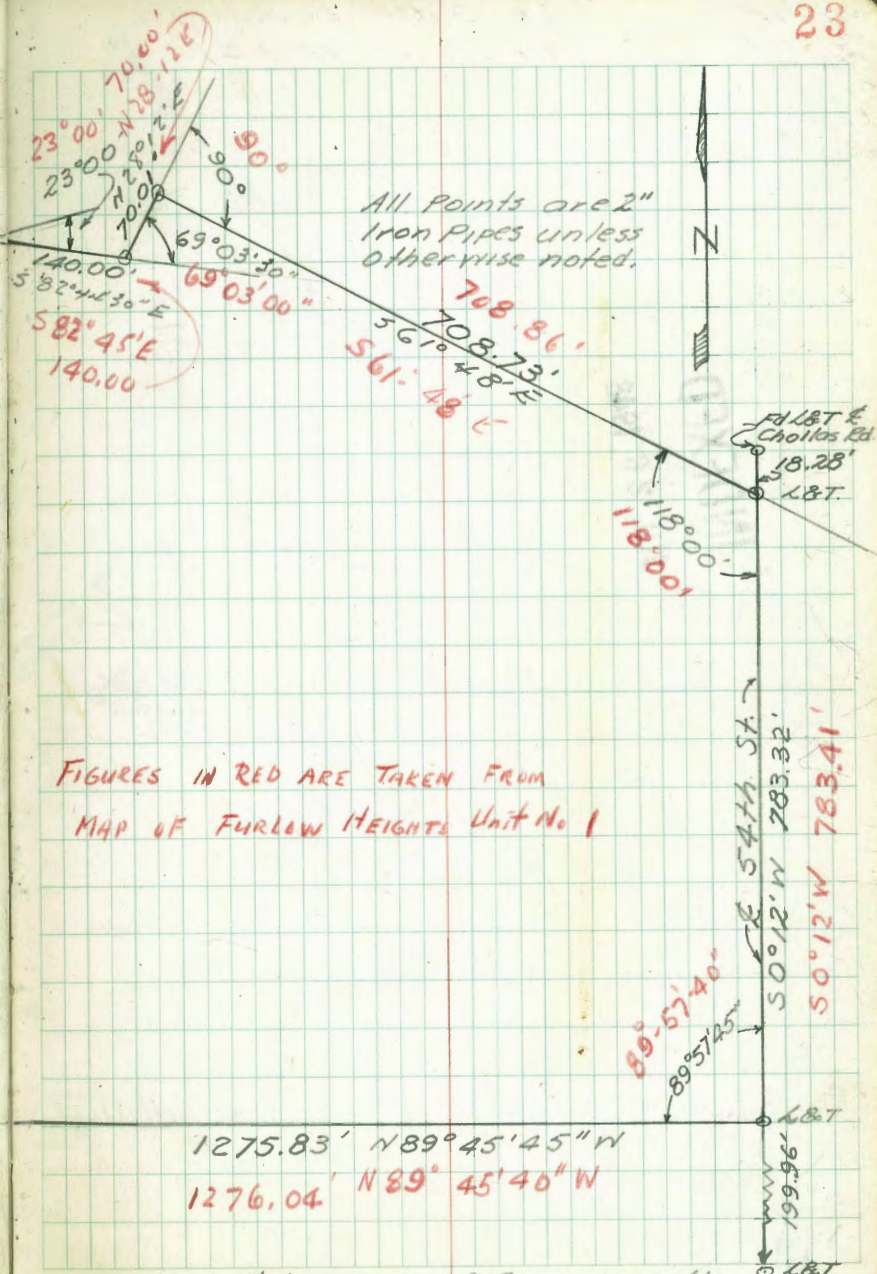
Sec. 33 Sec. 34

N0°06'E 1093.12'
 N0°06'E 1092.84'

90°08'20"
 90°08'15"

conc. Mon.
 W 1/4 Cor. Sec. 34
 see FB 1383 P

INDEXED
 JUL 26 1948



FIGURES IN RED ARE TAKEN FROM
 MAP OF FURLOW HEIGHTS Unit No. 1

Note: Basis of Bearings is the
 E of 54th St.

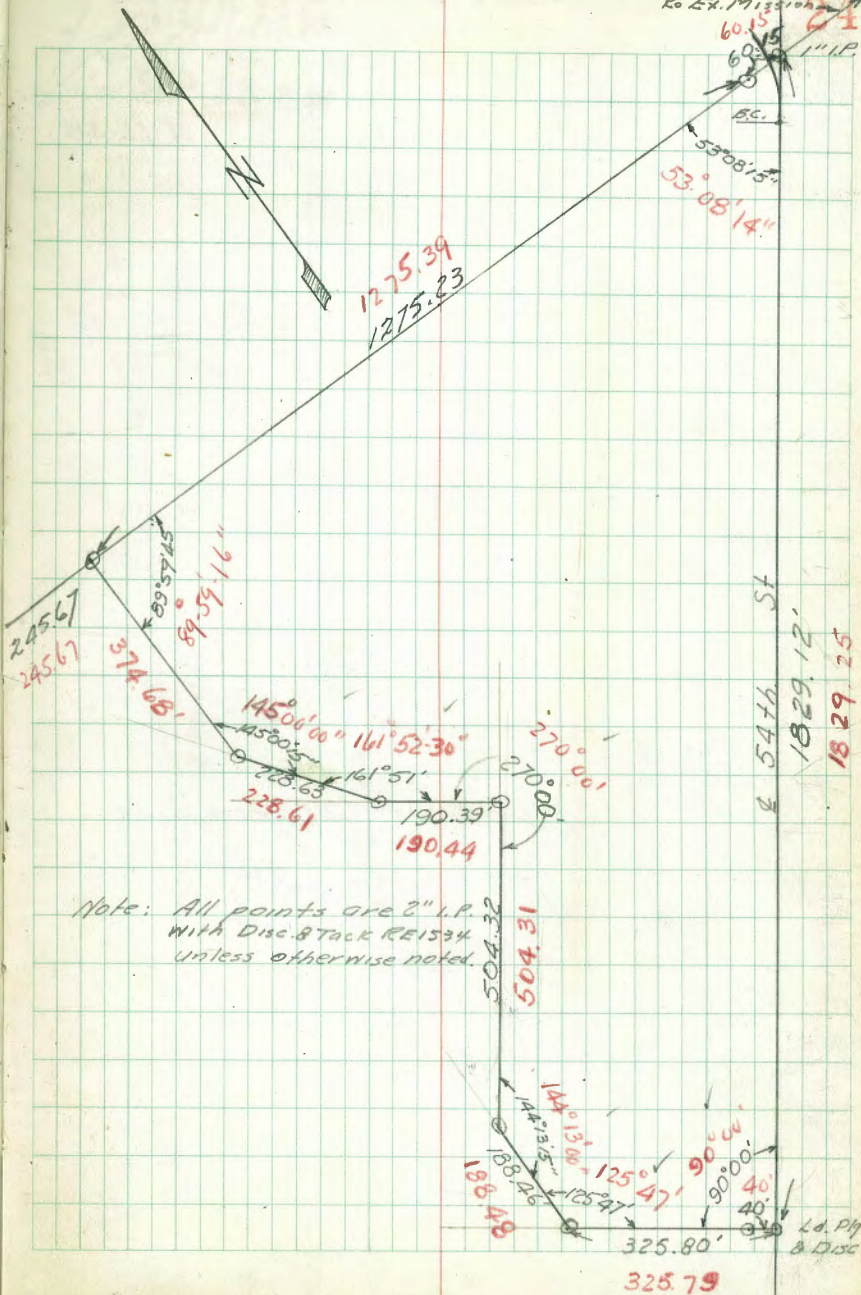
July 23, 1948
 Hendricks
 Roberts
 Greer
 Rorer
 W.O.# 23048

Check Outer Boundary
 Westwood Hills Unit #1

INDEXED

JUL 28 1948

2" I.P.
 RE 2286
 NW Cor.
 Lot 17



RED FIGURES taken from Map of WESTWOOD HILLS Unit 1

9-7-48
Hendricks
Roberts
Rorer
WO# 23084

Check Bellevue Heights
Unit No. 3

21° 58' 30"
21° 58' 40"

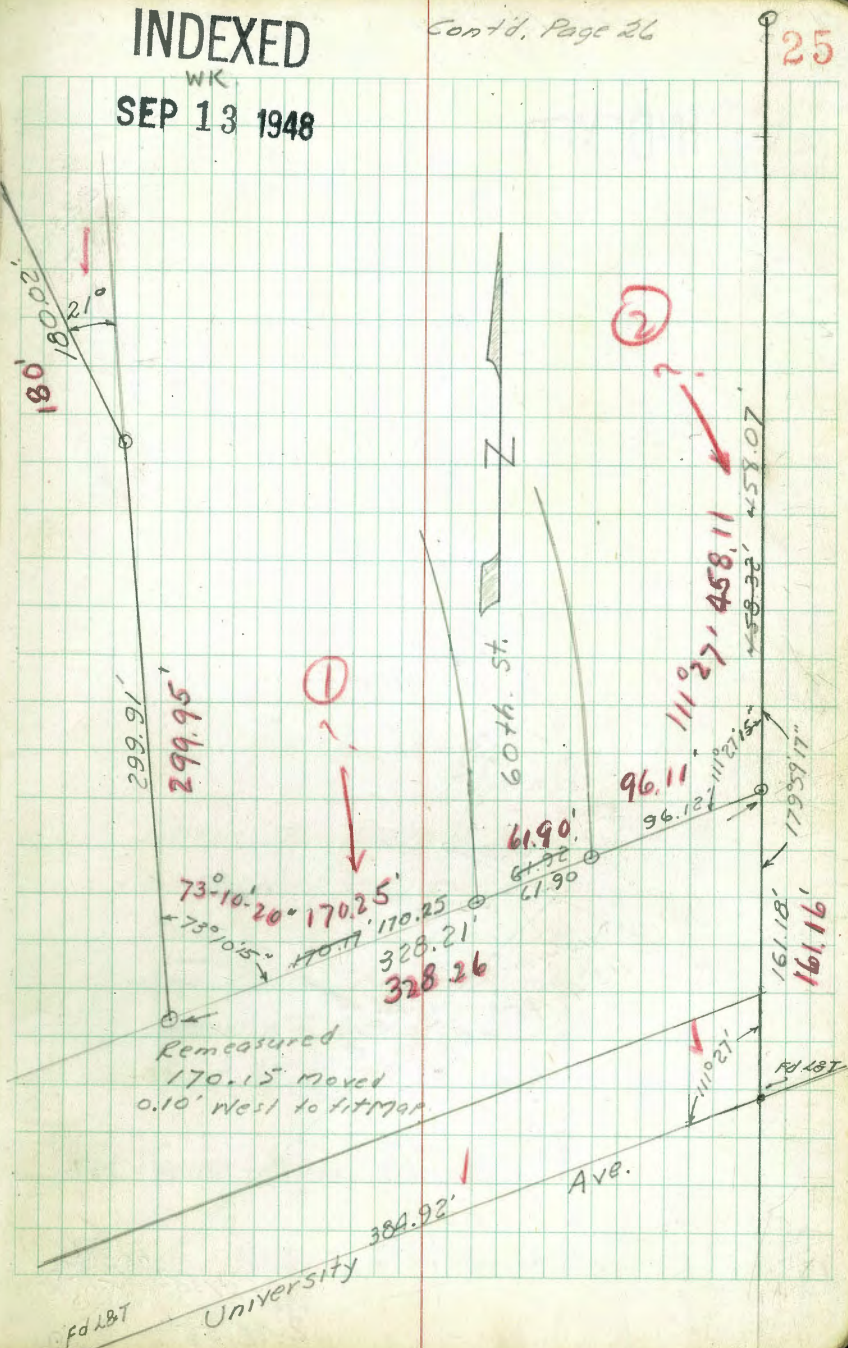
INDEXED

WK
SEP 13 1948

Cont'd. Page 26

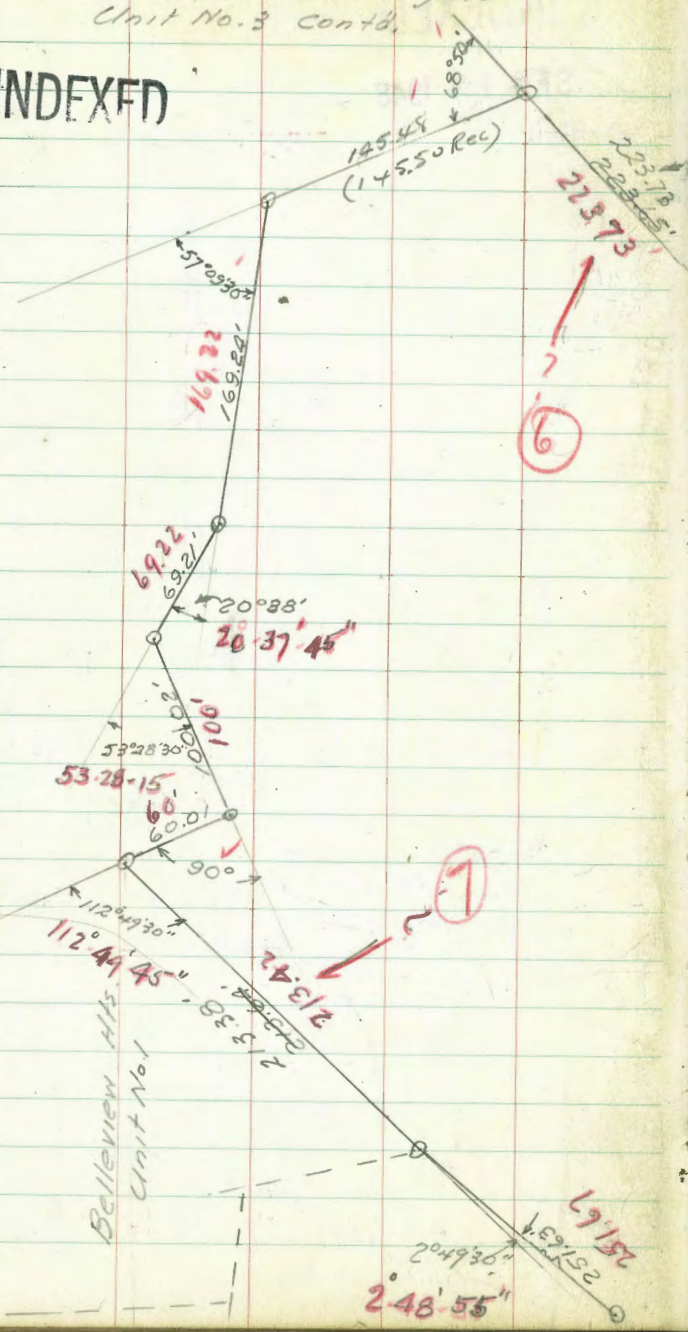
25

○ Indicate 2" Iron pipes

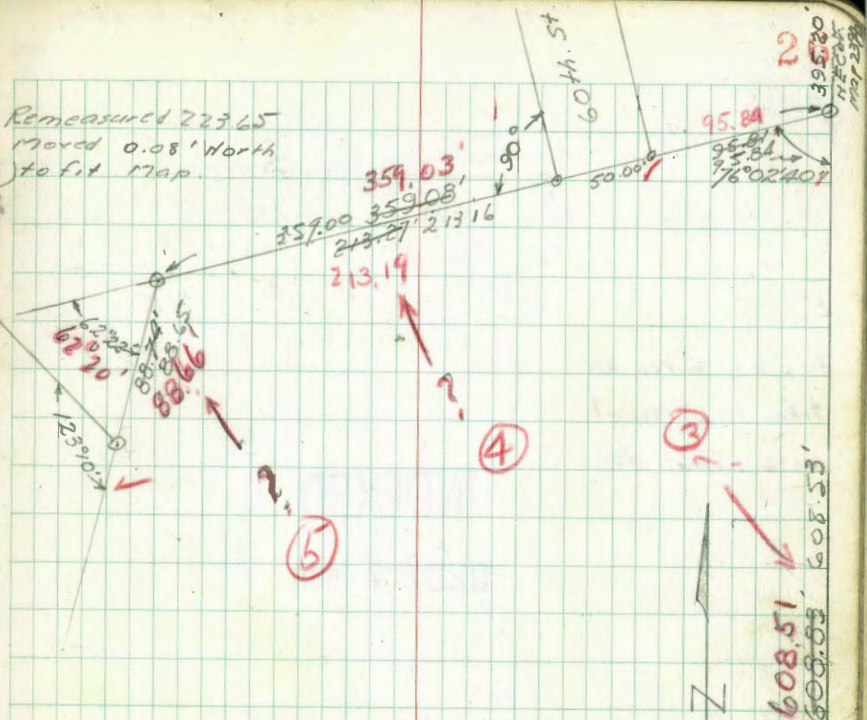


Check Bellevue Heights
Unit No. 3 contd.

INDEXED



Re-measured 223.65
Moved 0.08' North
to fit map.



Note: Distances & Angles
of points adjacent to
Bellevue Hts. Unit No. 1
are taken from Field
Check of Bellevue Hts.
Unit No. 1, T.P. Pt. No. 29 P. 34-35.

Red Figures taken from Map of
BELLEVUE HEIGHTS UNIT No. 3

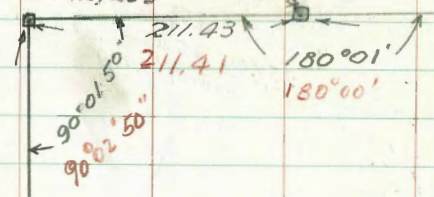
70857

9-27-48
 Hendricks
 Greer
 Rorer
 NO#23079

Check Outer Boundary
 Hazard Tract No 1
 (see P. 68 for interior check)

Fd. Conc. Mon.
 Most Westerly Cor. Lot 2 P.L. 255

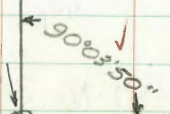
Fd. Conc. Mon.
 Frankfort St.



* Figures in red are
 taken from map of
 Hazard Tract No. 1

INDEXED
 WK
 DEC 27 1948

875.89'
 876.00'
 Mon. base

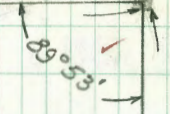


Fd. 2^d P.
 Most Westerly Cor.
 Lot 3 P.L. 255

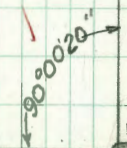
Tonopah Ave
 1053.57'
 1053.56'

Fd. Conc. Mon.
 Most Easterly
 Cor. Lot 2 P.L. 255

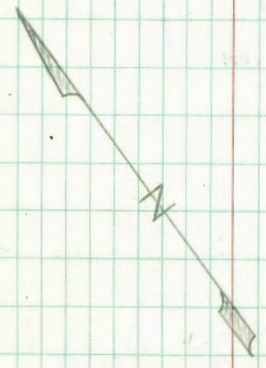
843.25'
 843.20'



Sly. Line Knoxville St.
 877.97'
 877.94'



Fd. Conc. Mon.
 Most Southerly
 Cor. Lot 3 &c
 P.L. 255



check Sub. - La Dou Add.

2647

10-4-48

W.O. 23090

Osborne
Hardin
Decker
Hatch

Ave. Temp. 75 - cloudy

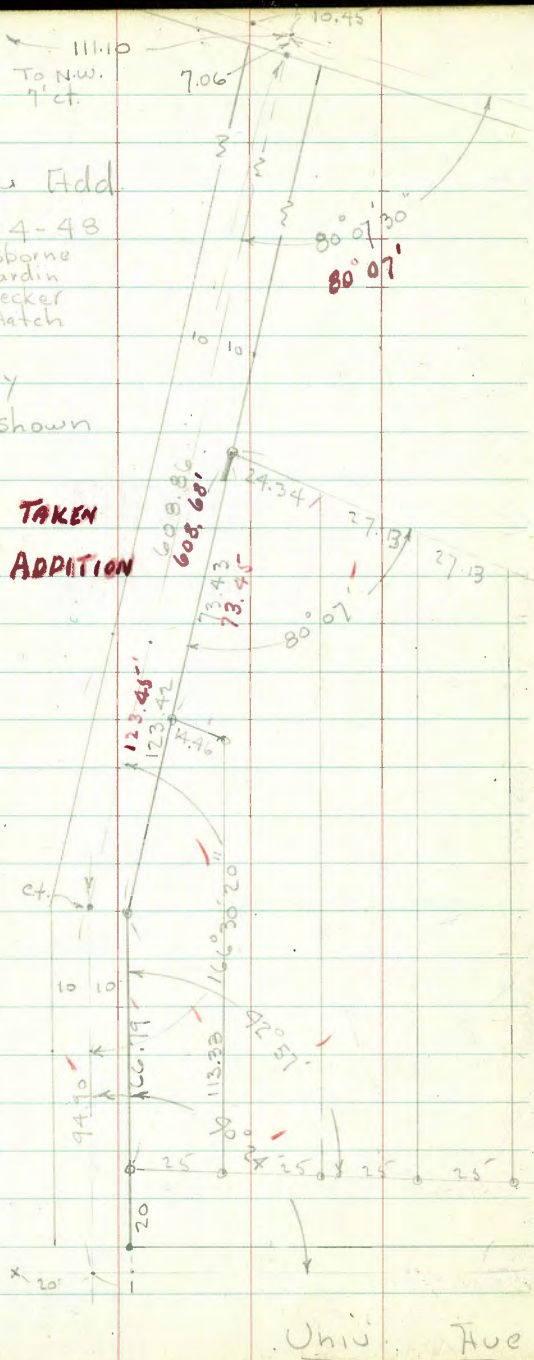
Ed. pipes set as shown

* FIGURES IN RED ARE TAKEN
FROM MAP OF LA DOU ADDITION

st

Centre

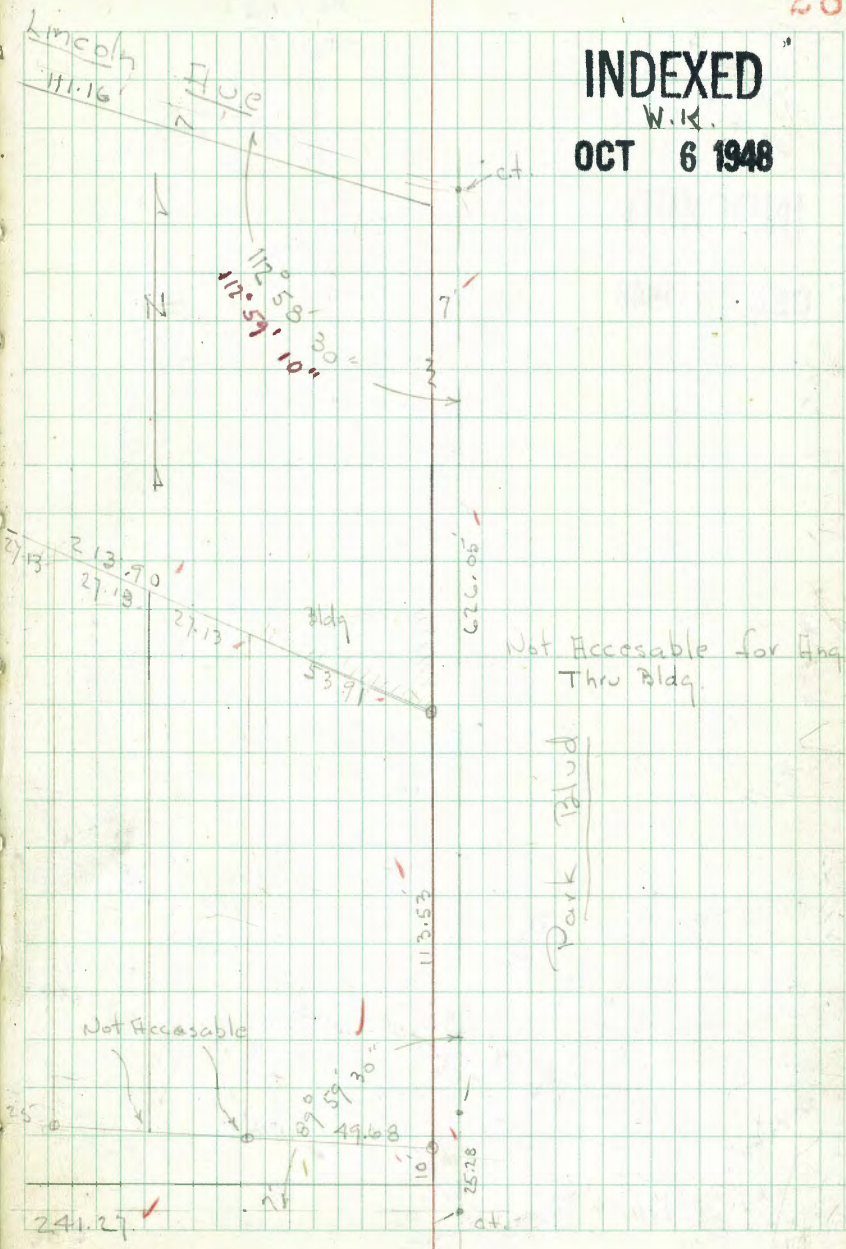
To ct.



INDEXED

W.K.

OCT 6 1948

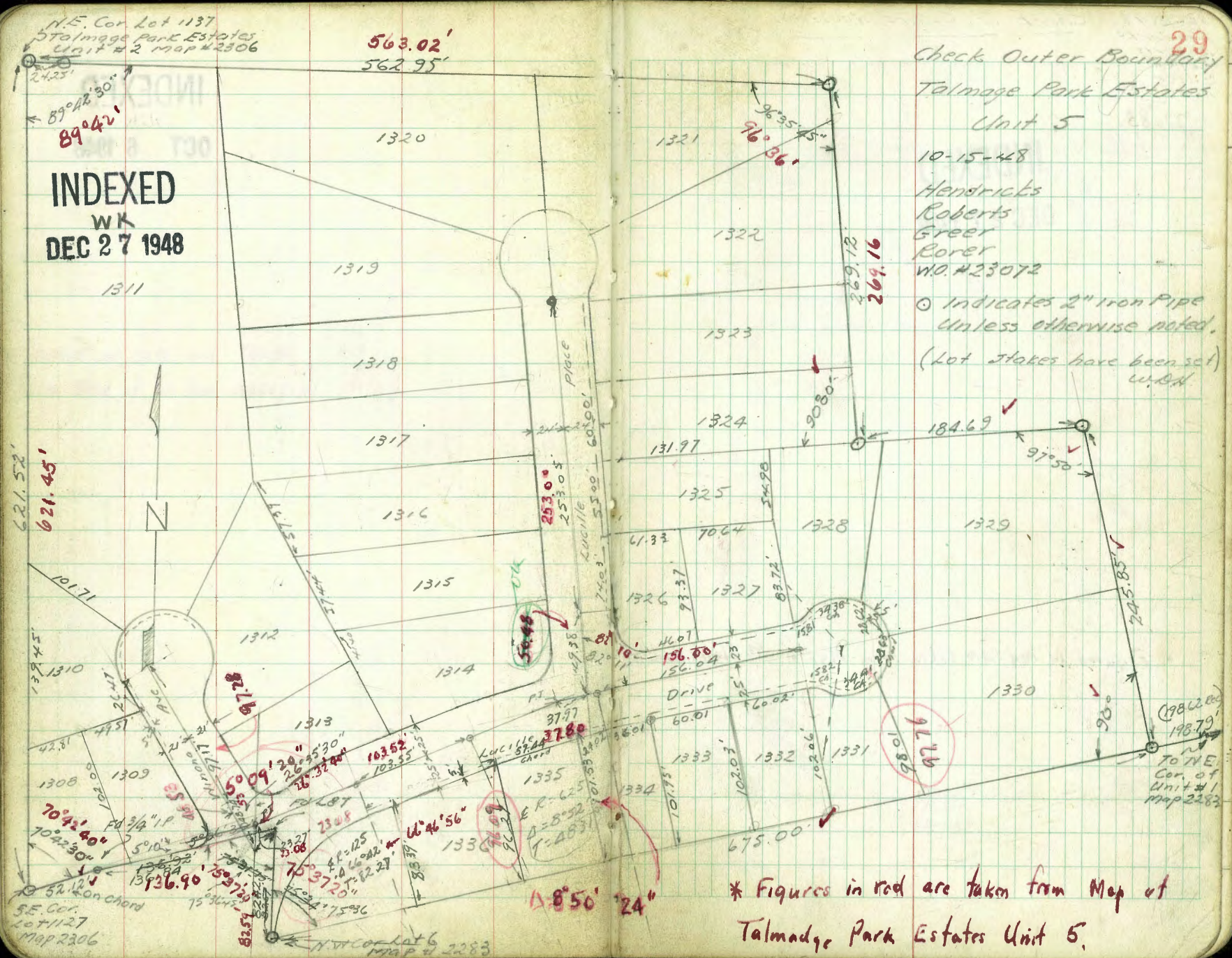


Not Accessable for Line
Thru Bldg.

Not Accessable

N.E. Cor Lot 1137
Talmadge Park Estates
Unit #2 Map #2306

INDEXED
WK
DEC 27 1948



29

Check Outer Boundary
Talmadge Park Estates
Unit 5

10-15-48
Hendricks
Roberts
Greer
Rorer
W.O. #23072

O Indicates 2" Iron Pipe
Unless otherwise noted.
(Lot stakes have been set)
U.S.A.

* Figures in red are taken from Map of
Talmadge Park Estates Unit 5.

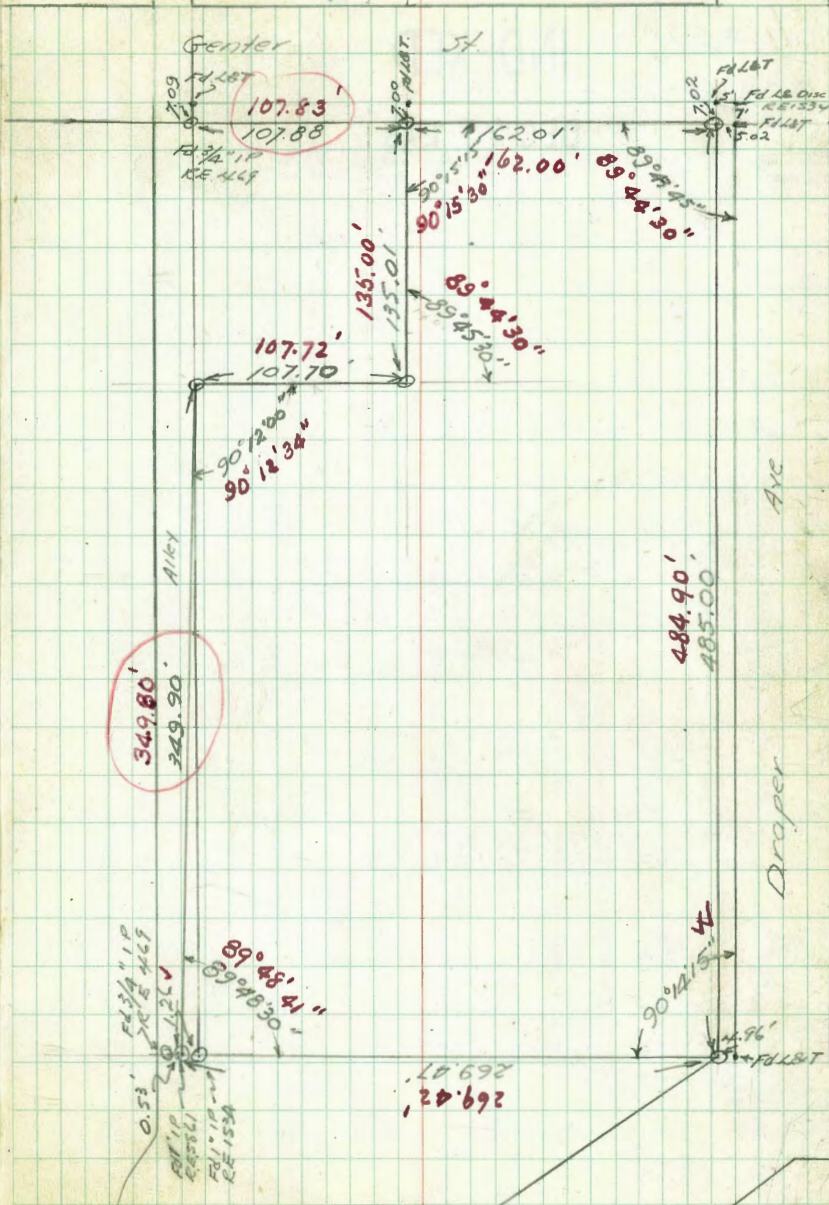
10-18-48
Hendricks
Roberts
Rorer
Greer
No. 23032

Check St. Clair's Addition

23083

INDEXED
WK
DEC 27 1948

* Figures in red are taken from Map of St. Clair's Addition



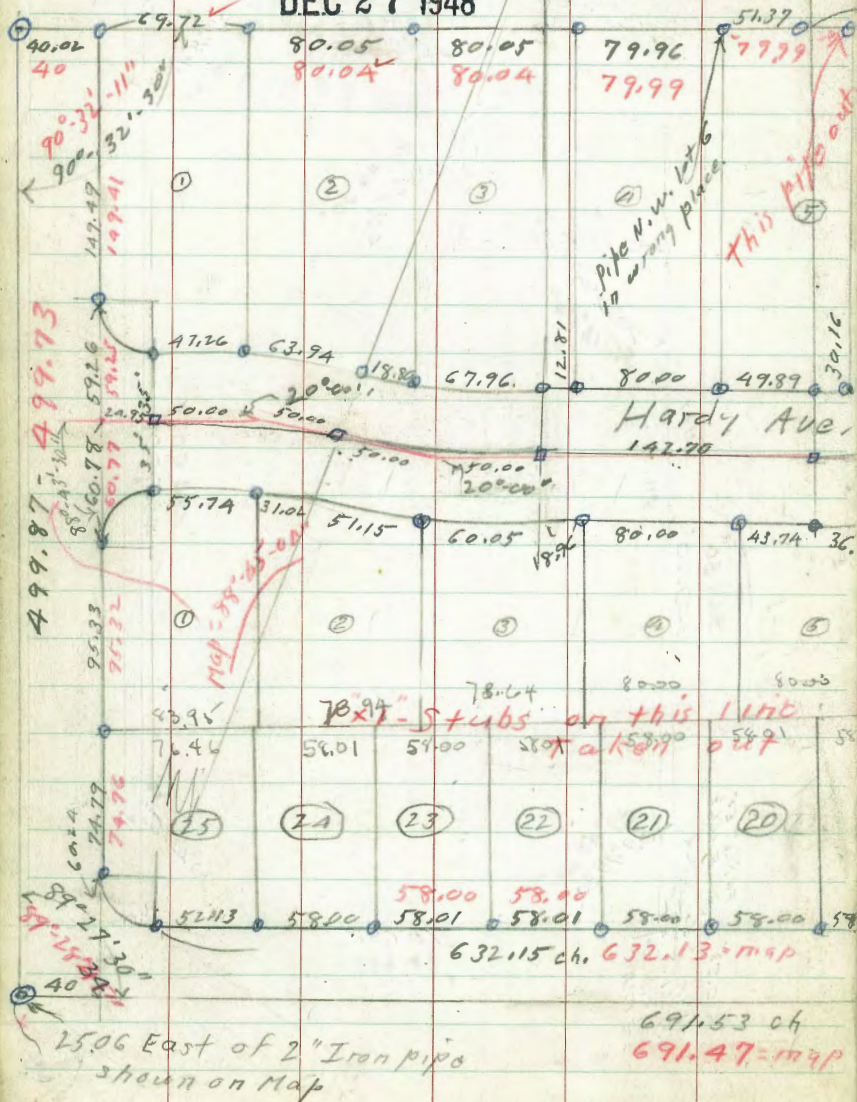
Check College Park Unit #3

W.O. # 23080

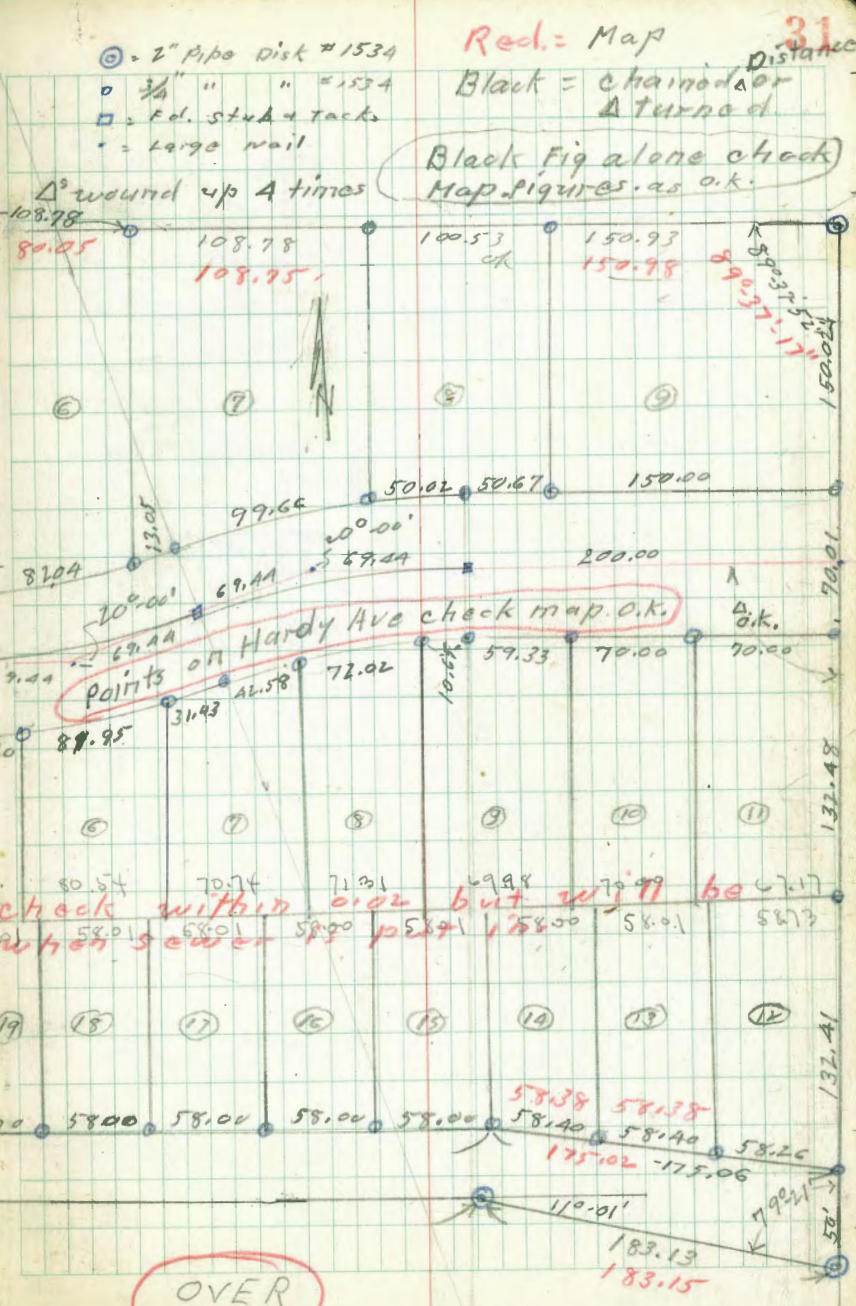
INDEXED
WK

DEC 27 1948

11-13-48
Summer
McCoy
Allen
Jones



2506 East of 2" Iron pipe shown on Map



OVER

Red. = Map 31
Black = Chain or Turned
Distance

Black fig alone check Map figures. as o.k.

2" pipe disk # 1534
3/4" " " = 1534
Ed. stud + tack
Large nail

wound up 4 times
80.05 108.78 100.53 150.93 150.98 80.05
108.75

50.02 50.67 150.00
82.04 13.05 99.66 200.00
20° 00' 69.44 59.44
points on Hardy Ave check map o.k.
69.44 31.43 42.58 72.02 59.33 70.00 70.00
10.00

80.54 70.74 71.01 69.98 70.09 67.17
58.01 58.01 58.00 58.91 58.00 58.01 58.73

58.00 58.00 58.00 58.00 58.00 58.00 58.00 58.00 58.00 58.00
58.00 58.00 58.00 58.00 58.00 58.00 58.00 58.00 58.00 58.00
632.15 ch. 632.13 = map
691.53 ch
691.47 = map
110° 01' 183.13 183.15 175° 02' 175.05 79.21 50.00 132.41

From P. 31

East line of Colleege
park Unit #3 does not
correspond to west line of
Colleege Park Unit #2 as staked
by R.E. 4847. but does
correspond to East line of
Marcellena fract. - Map. 828.

INDEXED

W.K.

JAN 3 1950

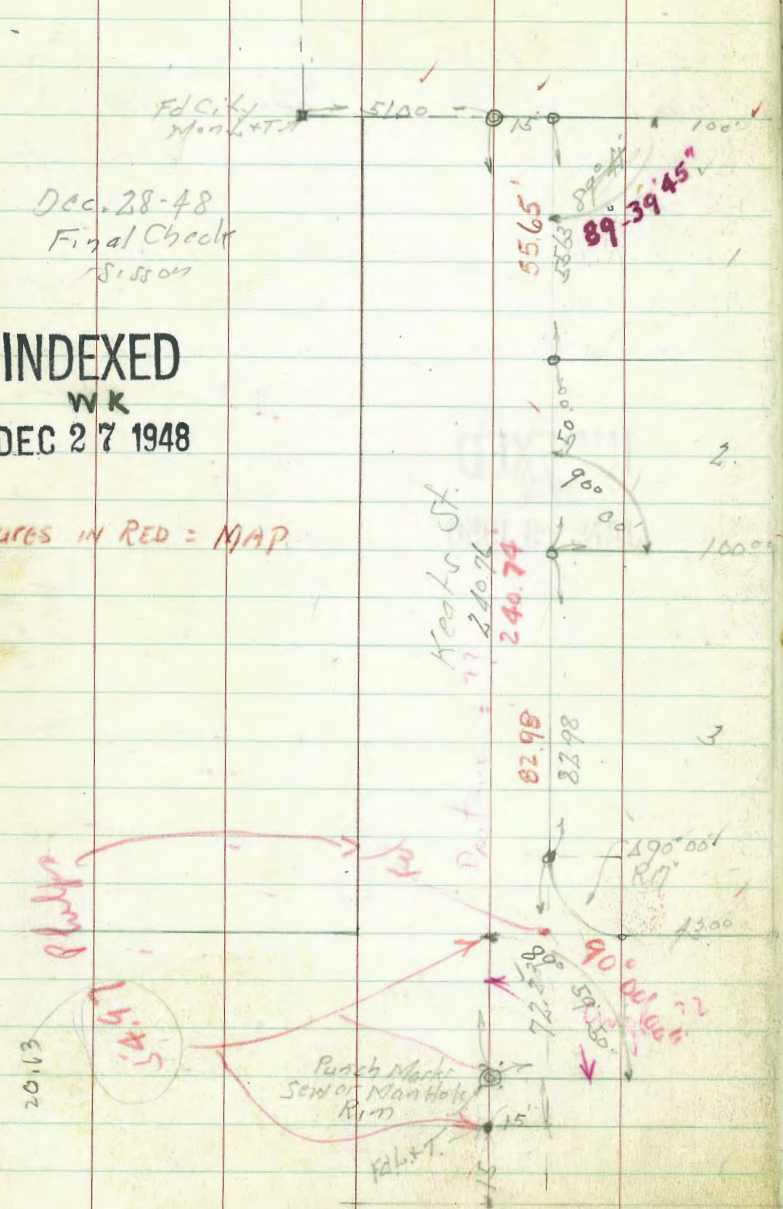
Check of Catalina Terrace

Dec. 28-48
Final Check
Sisson

INDEXED
WK
DEC 27 1948

FIGURES IN RED = MAP

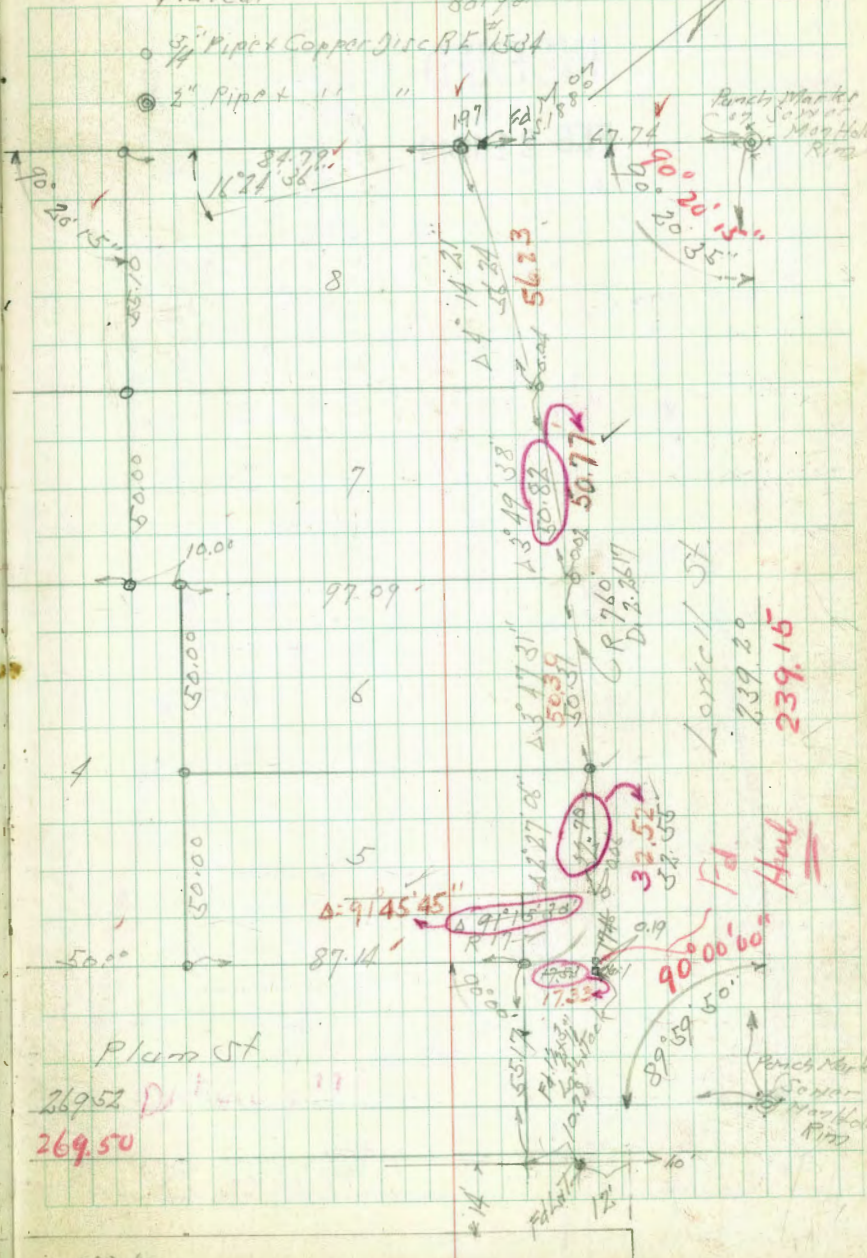
setl 3/24/52



Sisson Dec 27 48
Smith
Becker No. 21060
Burger

33

Indicator

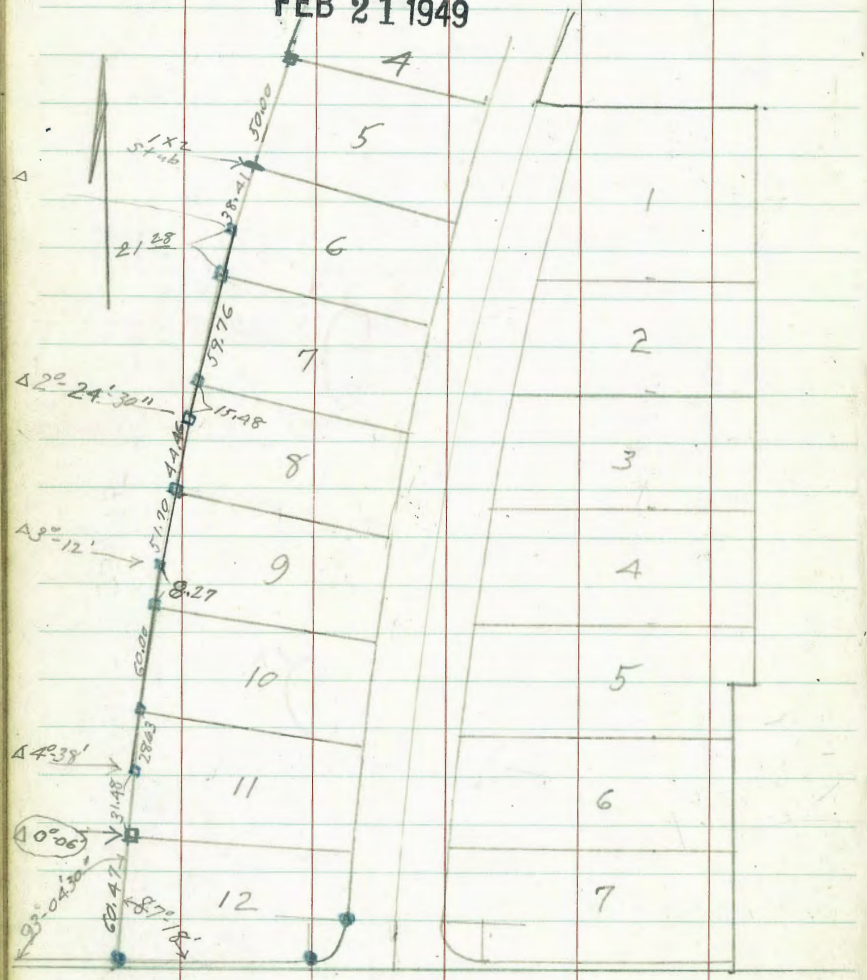


Check Emerald Hills.

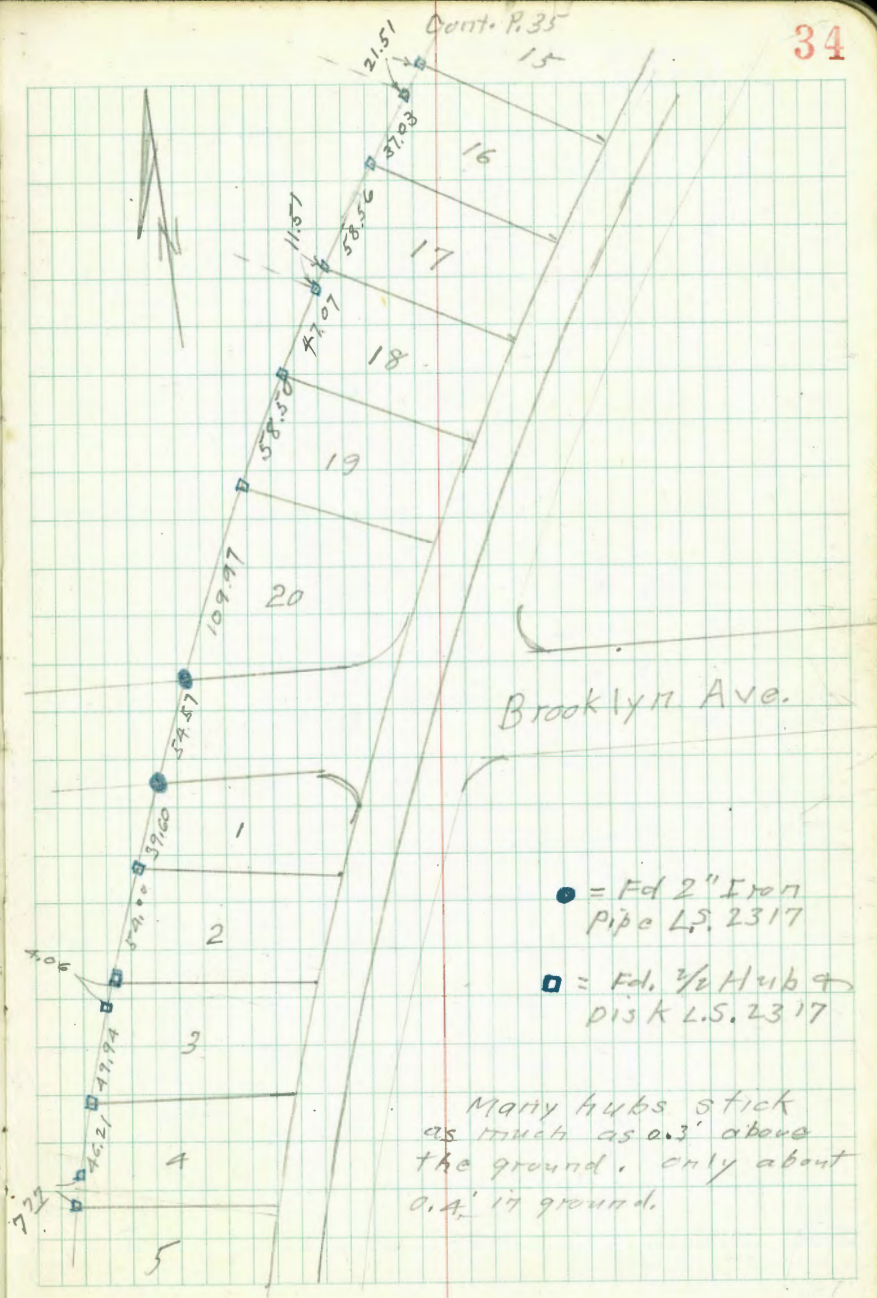
1-14-49
W.P. 23070

INDEXED
WK
FEB 21 1949

Sommernayer
McCoy
Allen
Jones

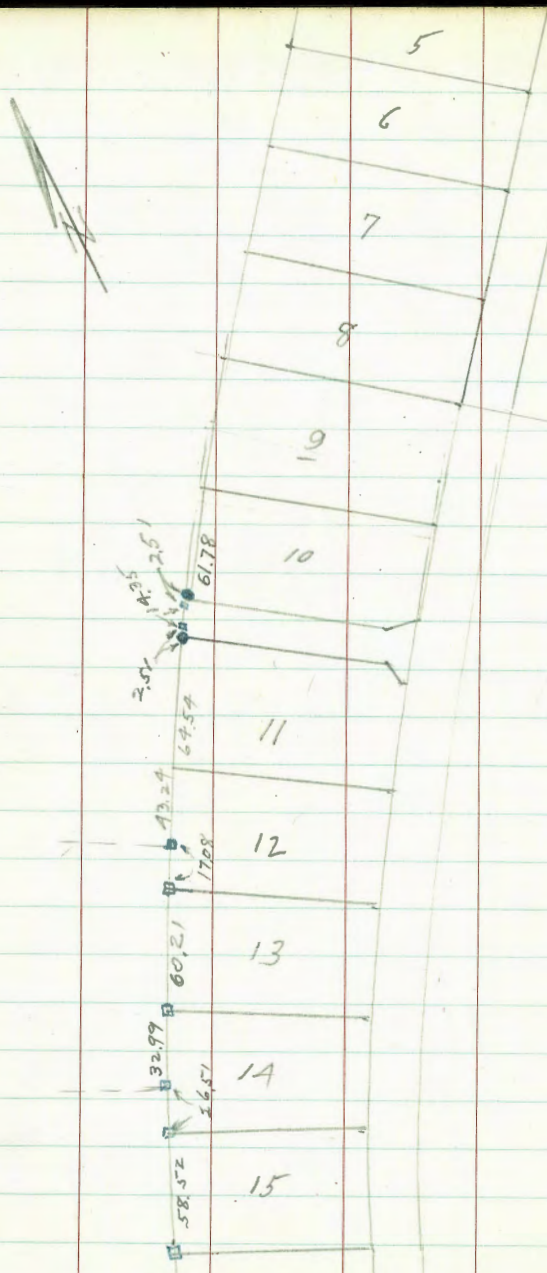


see page 36 - Left.
Kenwood street

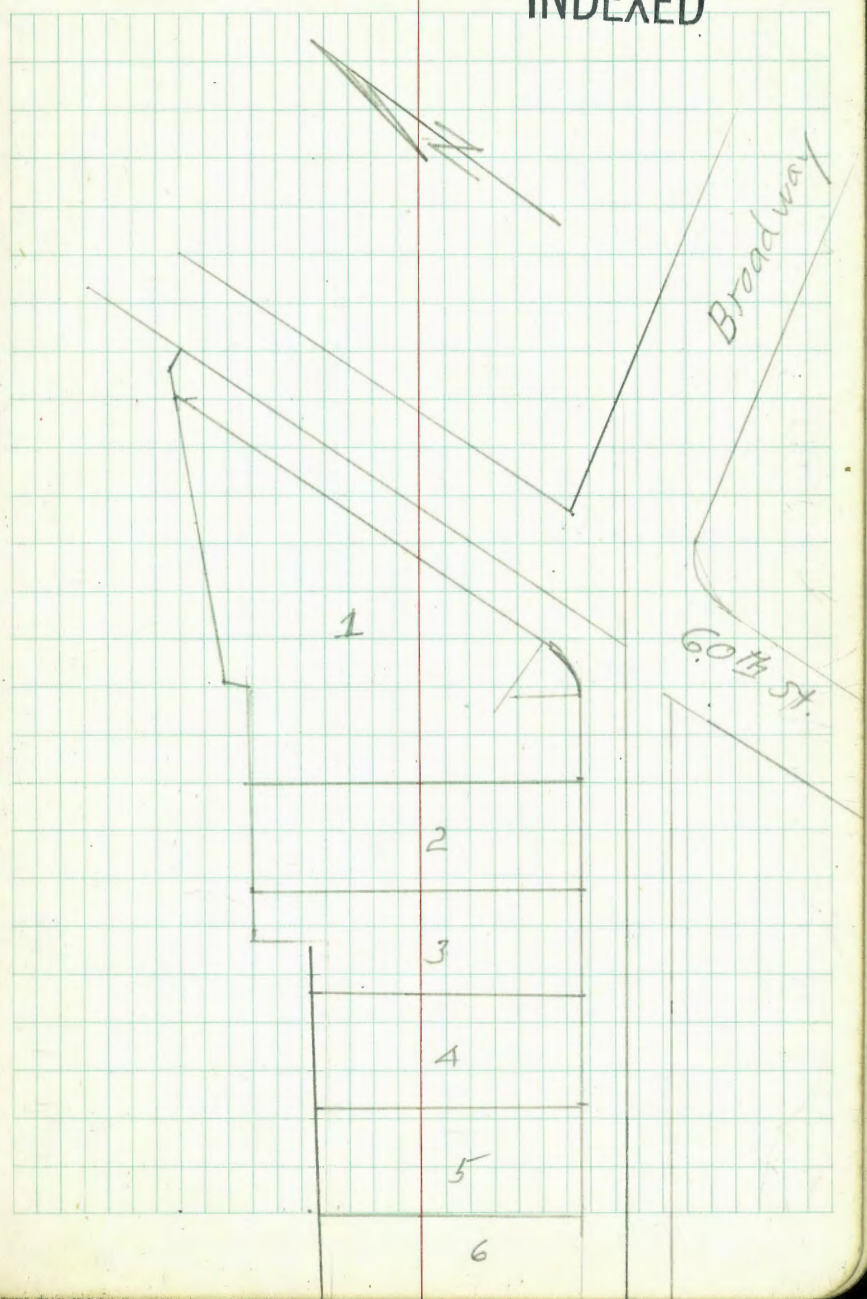


- = Fd 2" Iron Pipe L.S. 2317
- = Fd. 1/2 Hub & disk L.S. 2317

Many hubs stick as much as 0.3' above the ground, only about 0.1' in ground.



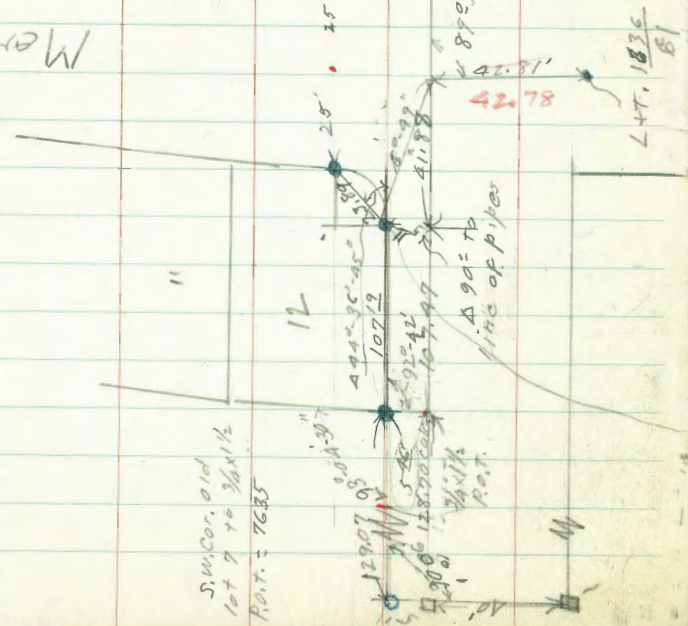
16
From P. 34



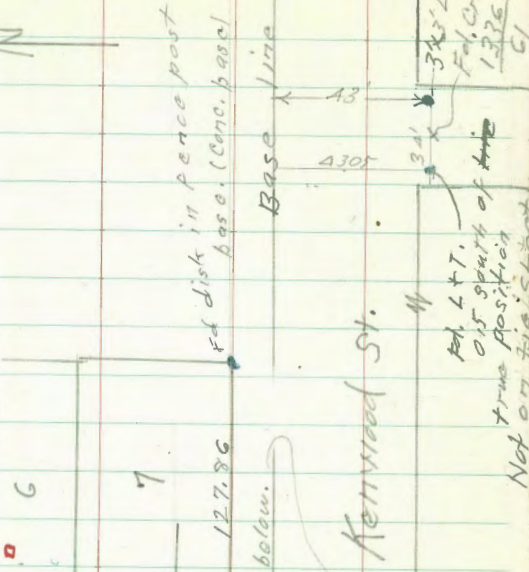
Detail for R34 Left.

2 Def = 1.039' per foot.

S. W. Cor. old lot 7 to 3/4 x 1/2 Part = 7685



- = Fd. 2" Iron pipe (LS 2317)
 - = " Hub + Disk (LS. 2317)
 - ◻ = Fd Mon.
 - ◻ = " Hub + Fack
 - X = " cross
 - = " L+T.
 - = 90° Nail
- Blk Figures = chained on A turned
All Δ's doubled

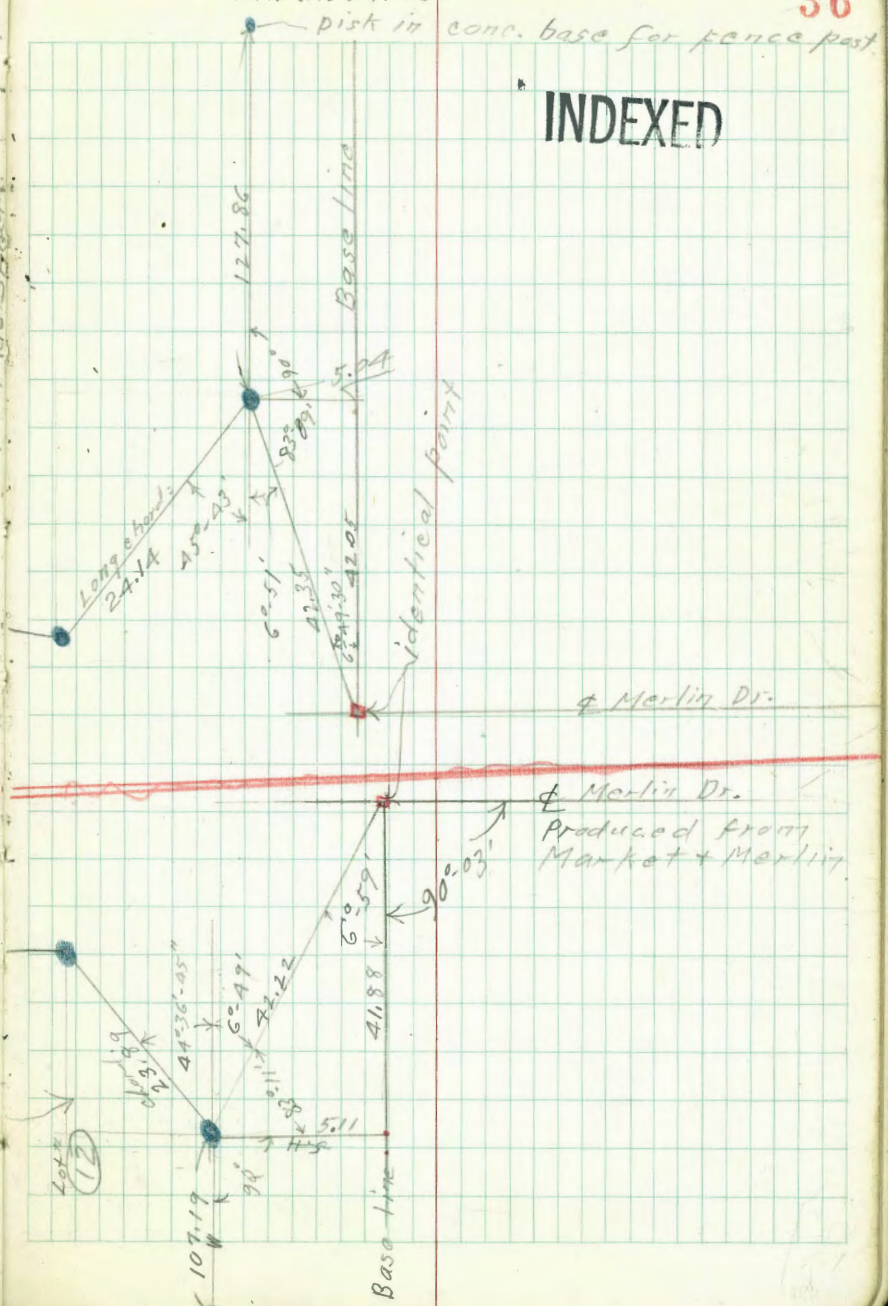


Kenwood St.
Not on Plat.

Merlin Dr.

INDEXED

EMERALD HILLS. disk in conc. base for fence post



Long chord 24.14
Identical point
Merlin Dr.
Base Line

Merlin Dr. Produced from Market + Merlin

Save for Emerald Hills

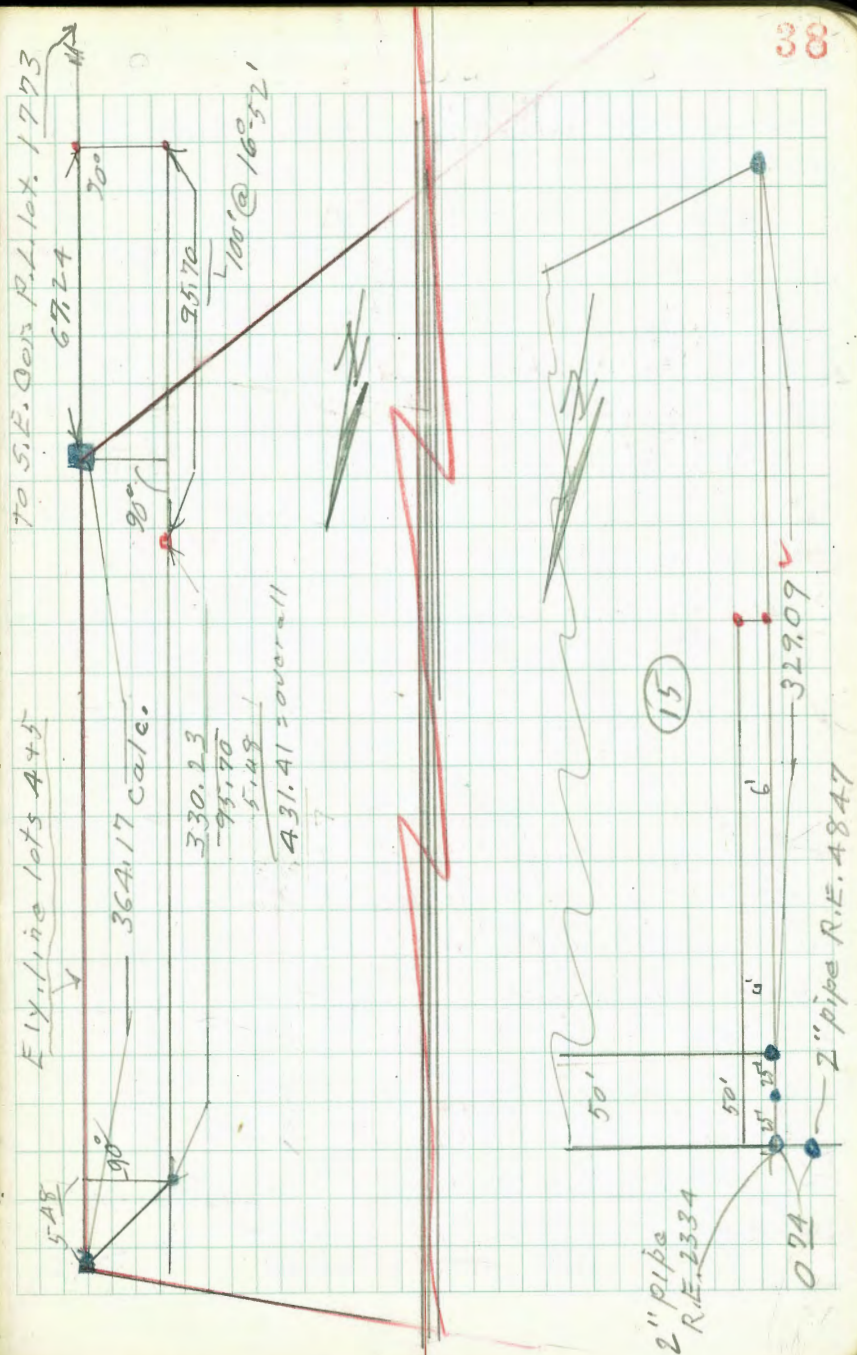
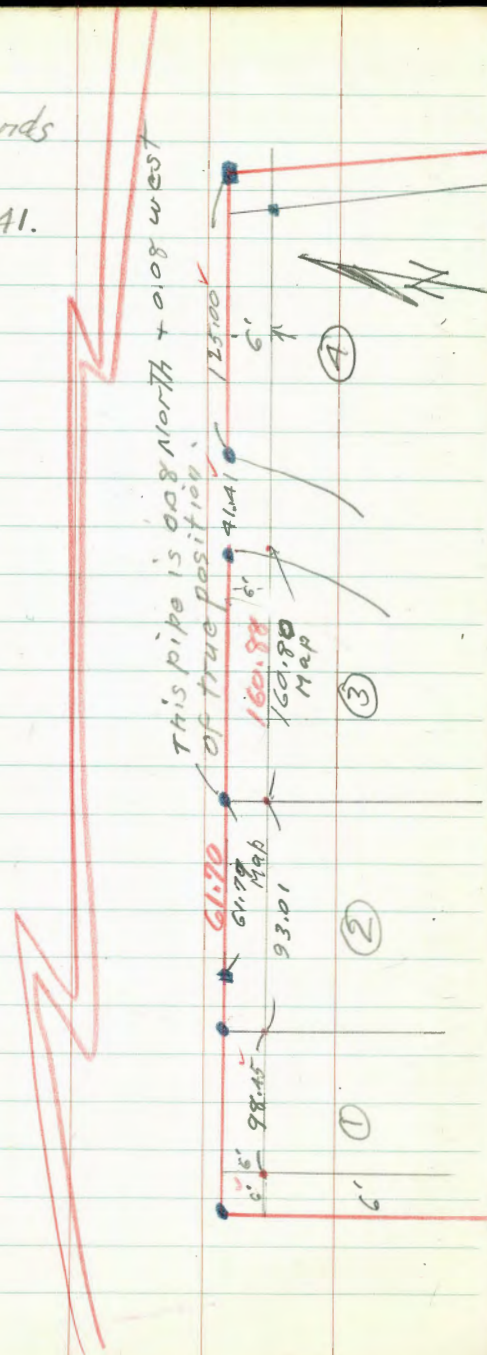
37

Details
La Jolla Highlands

Sketches P. 39 to P. 41.

INDEXED

WK
FEB 21 1949



2-10-49
W.O. 23095

INDEXED

Sommermeier
McCoy
Jones

- = Men
- = 1" pipe R.E. 4847
- = 2" pipe LS. 2334
- = Nail

Figs = Rod = Correction

Black = Map dist. & Δs

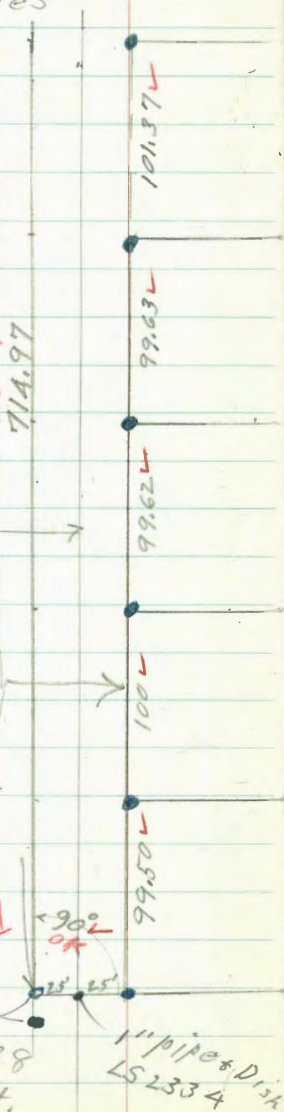
Red check = ✓ ✓ or check,

Range line

Points on this line run
from offset. All points
are within .01 or .02' for
line & distance.
Overall dist. is o.k.

All distances chained to
Δ^s turned unless
otherwise noted.

See P. 38
Left.



Cont. P. 40
11

Not part of
Subdivision

268.83

12

324.36

13

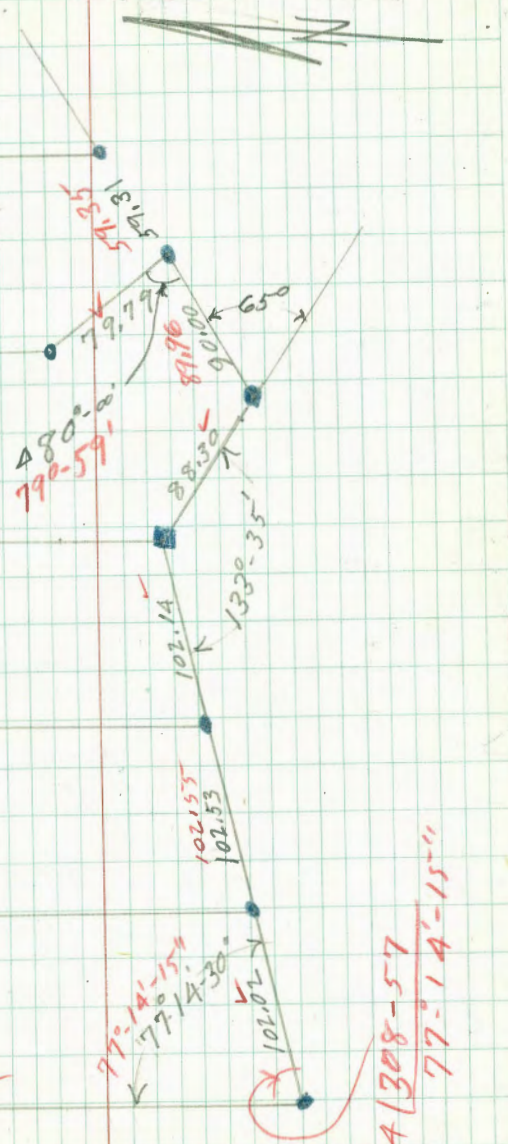
346.92

14

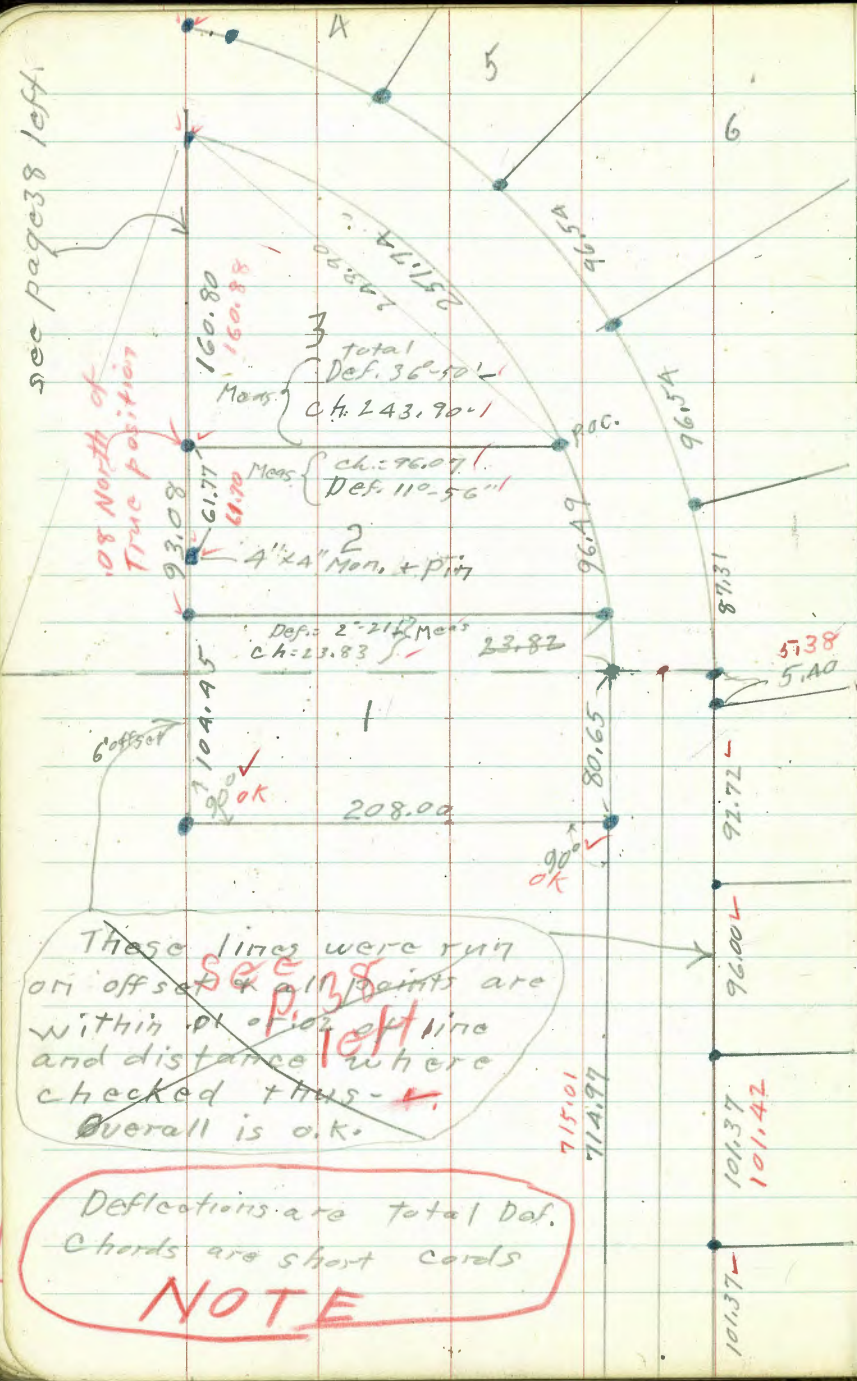
369.56

15

392.09 ✓



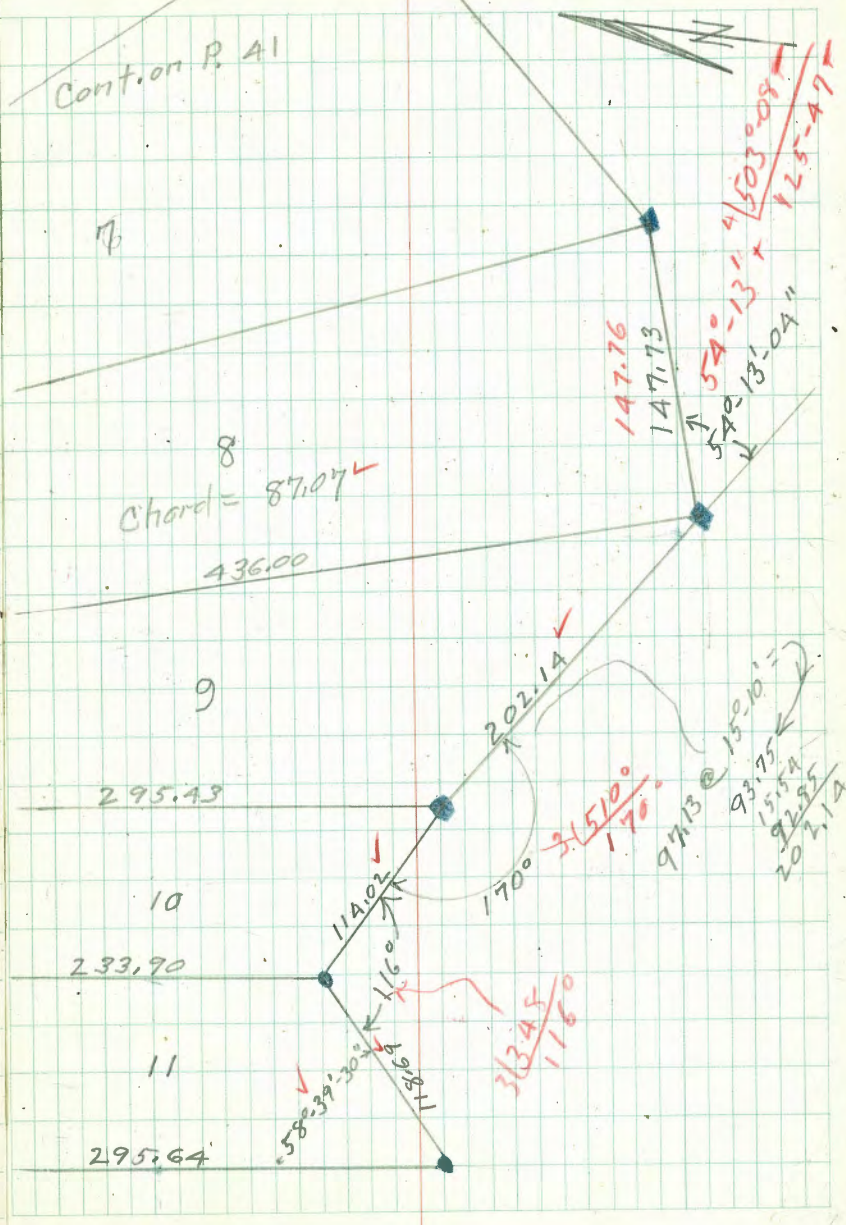
Cont. on P. 41



These lines were run on offset & all points are within pl. of 102 pl. line and distance where checked thus - \checkmark . Overall is o.k.

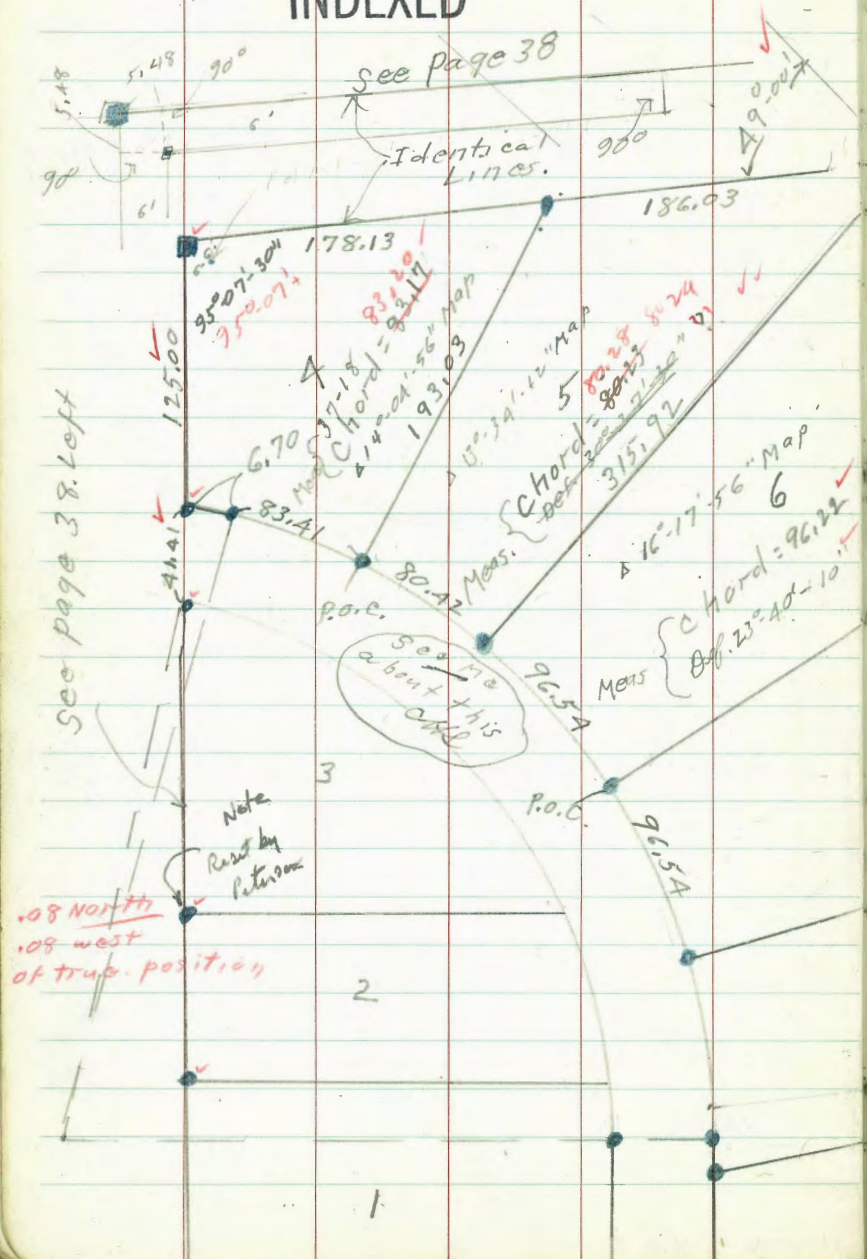
Deflections are total Def. Chords are short cords

NOTE

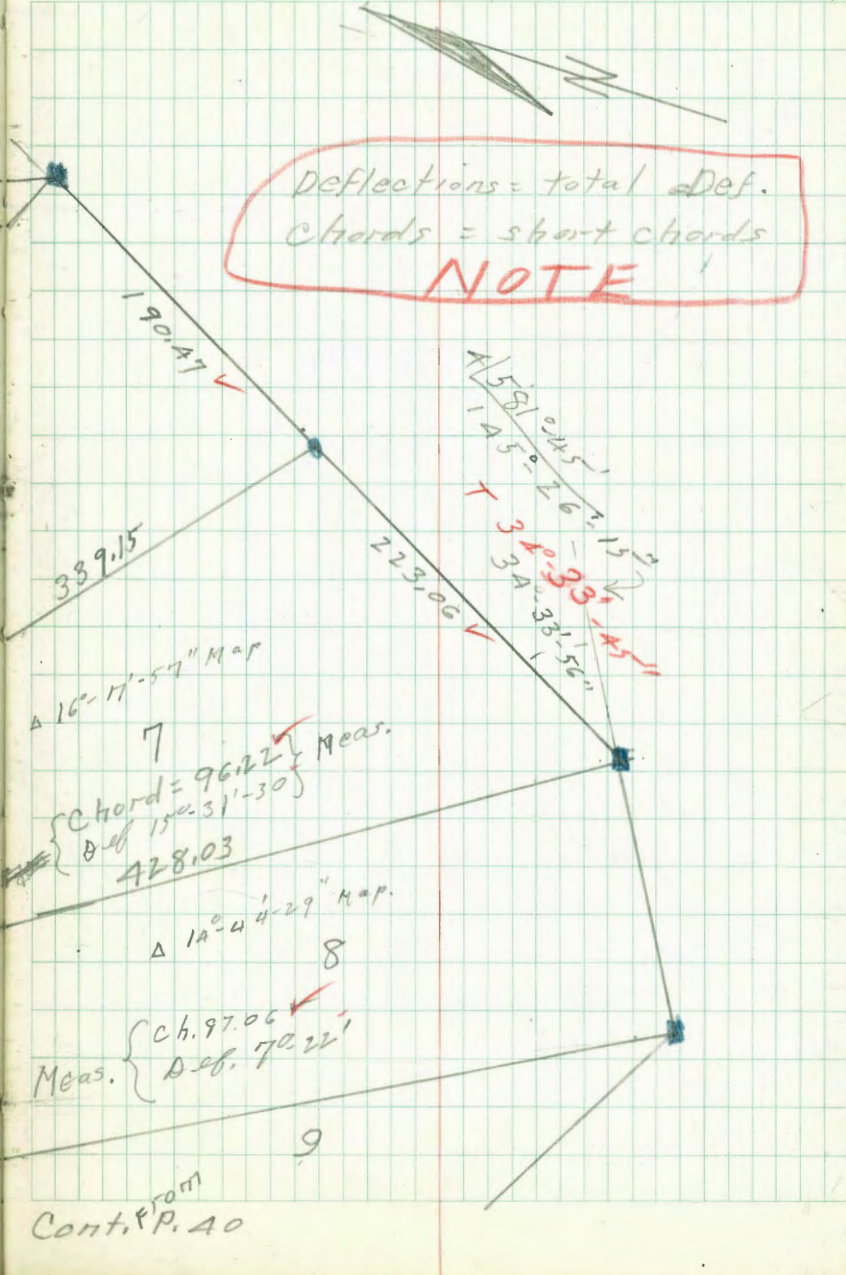


From p. 39

INDEXED



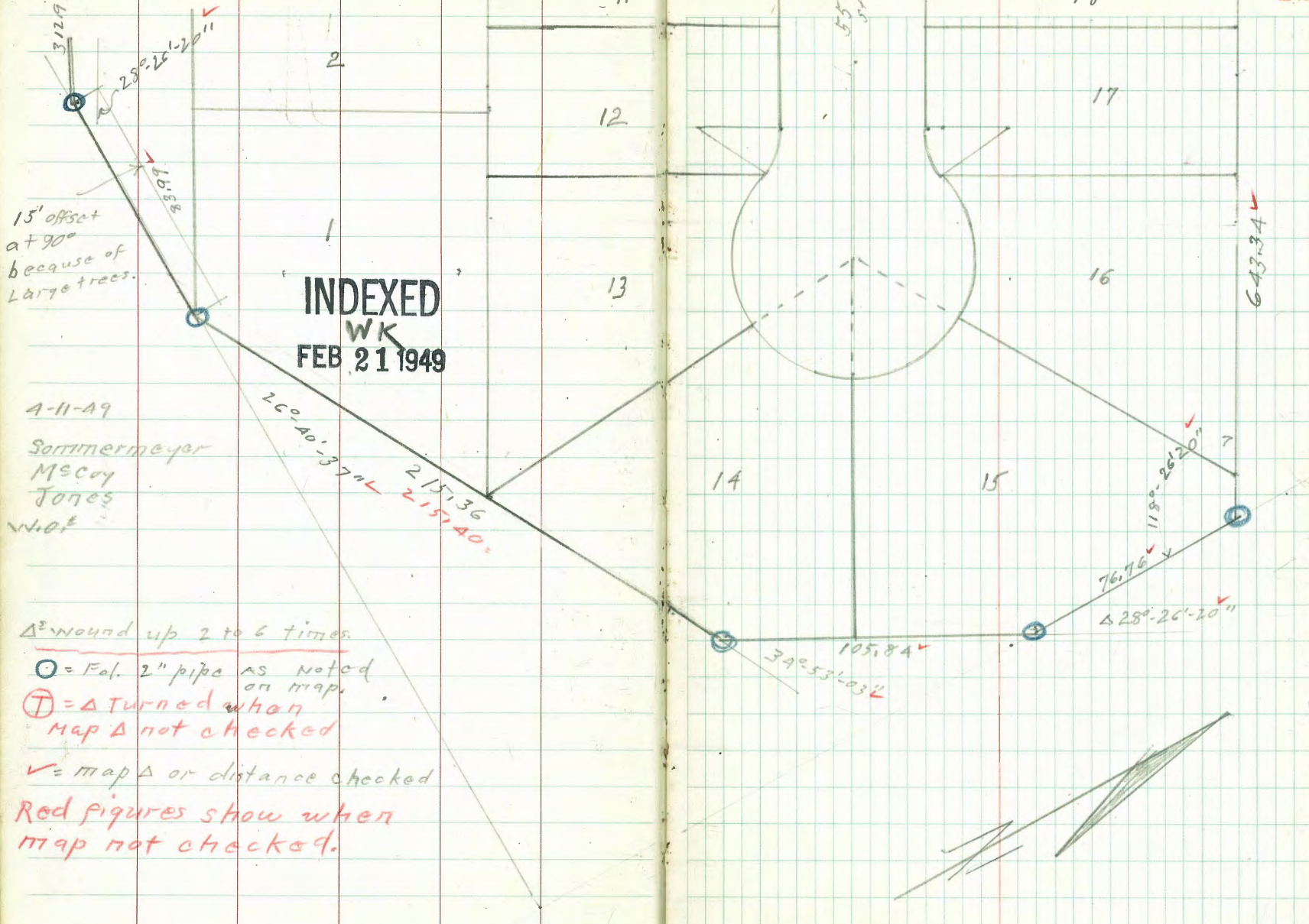
Deflections = total Def.
 Chords = short chords
NOTE



Jackson & Scott Inc. Add. #1.

Cont. P. 43

42

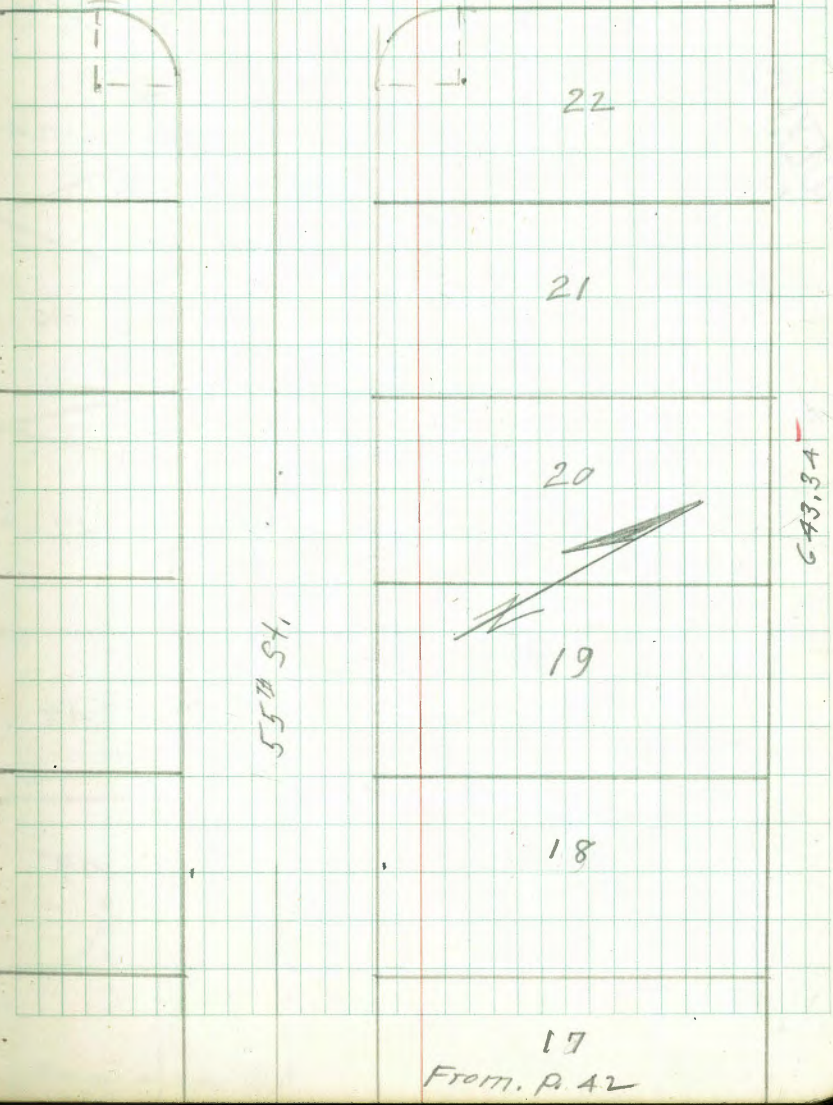
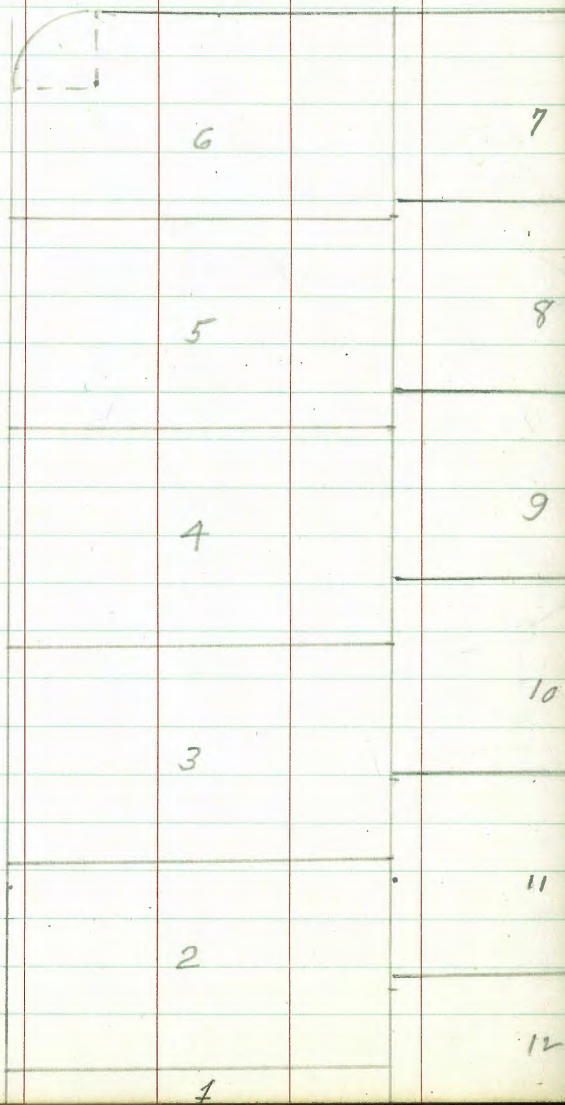


REDWOOD STREET.

312.97

CHOLLAS STATION ROAD

Portion



55th St.

643.34

From. P. 42

Jackson + Scott Inc.
Add. #1

Cont. P. 45 **44**

See P. 46

Point "A"

INDEXED

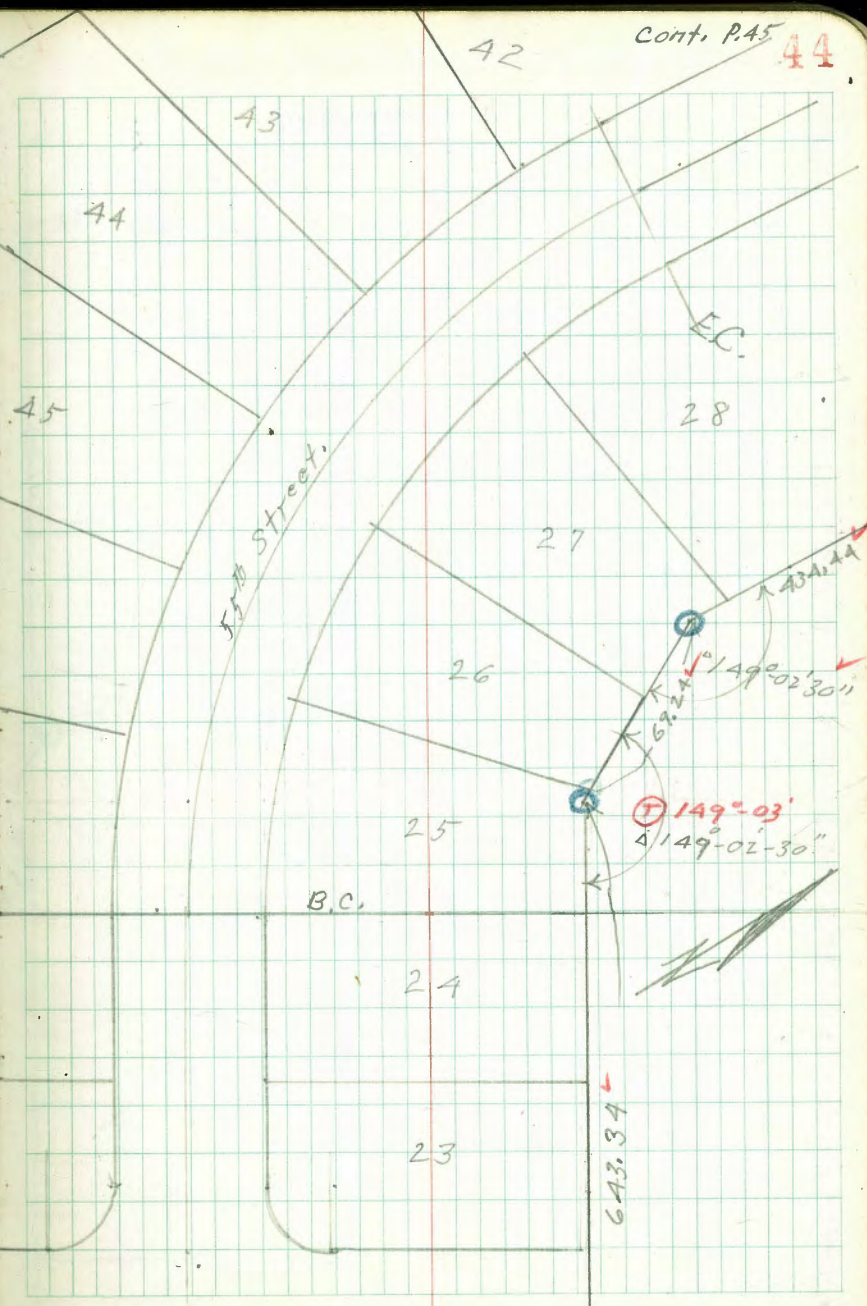
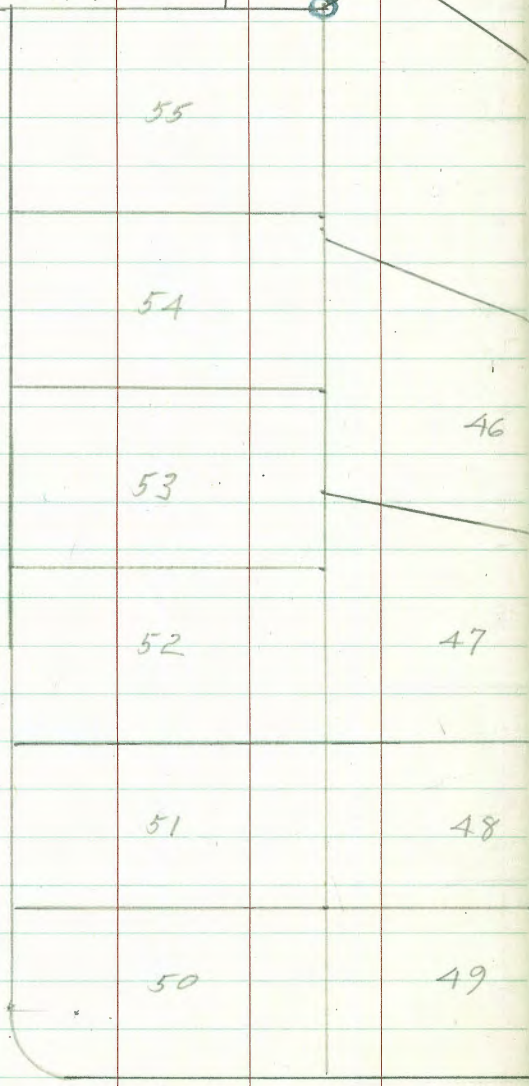
C HOLLAS STATION ROAD.

360.23

140°00'

151°55'

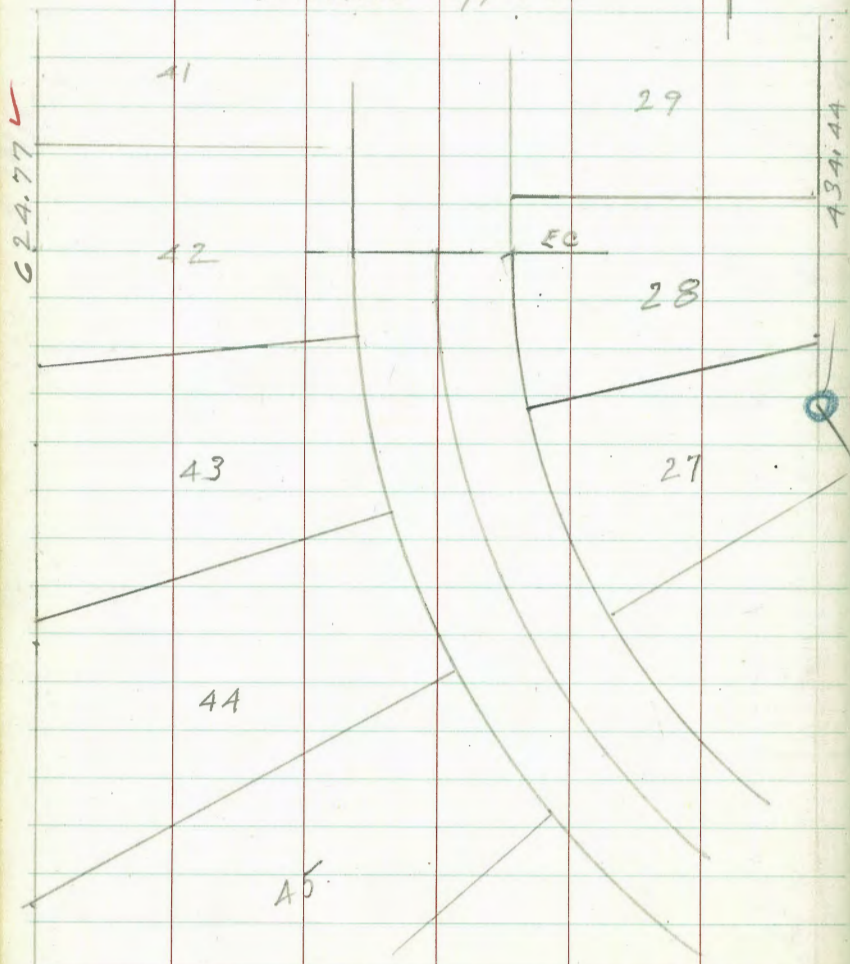
624.77



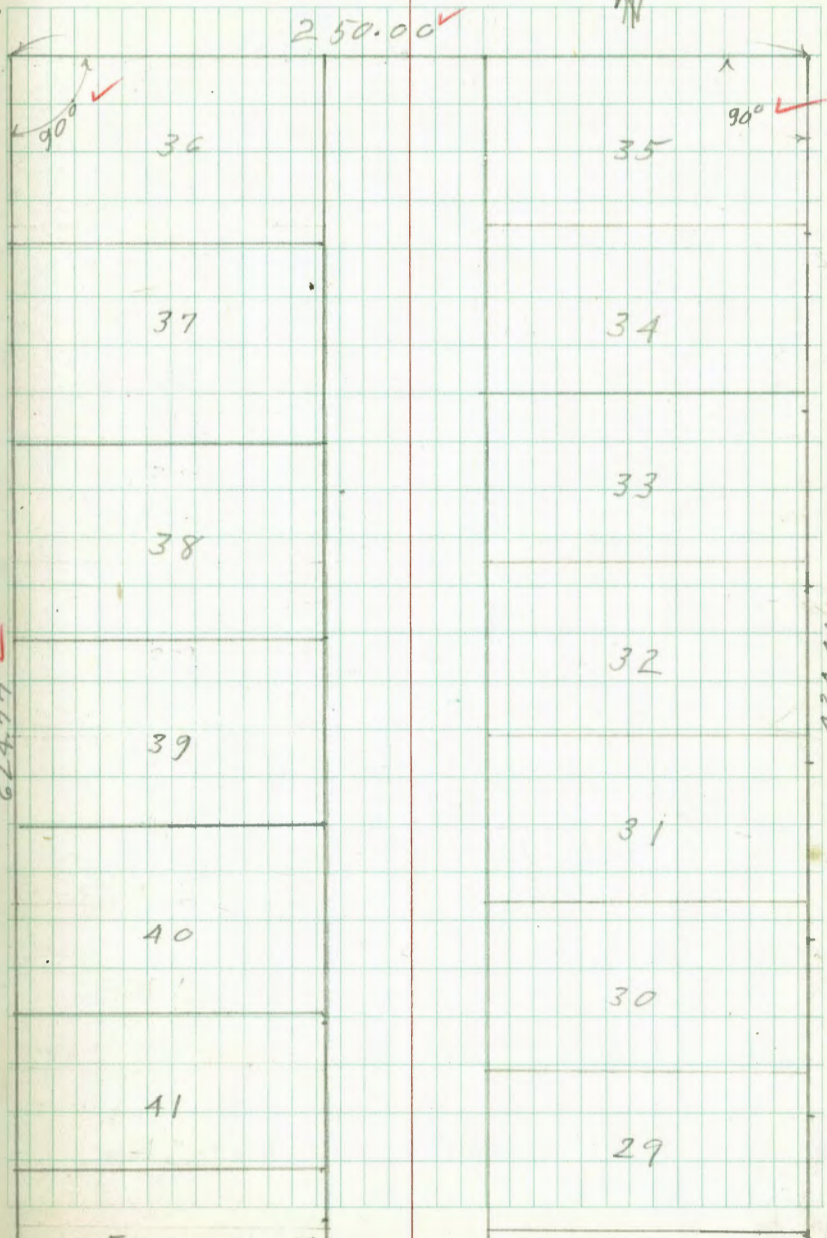
From page 43

INDEXED

Continued - opposite



From Page AA



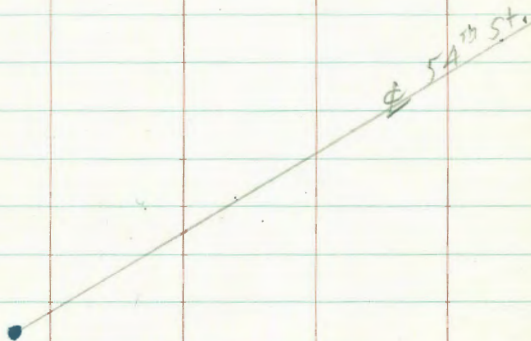
From opposite Page

Jackson + Scott Trg. Add. # 1

INDEXED

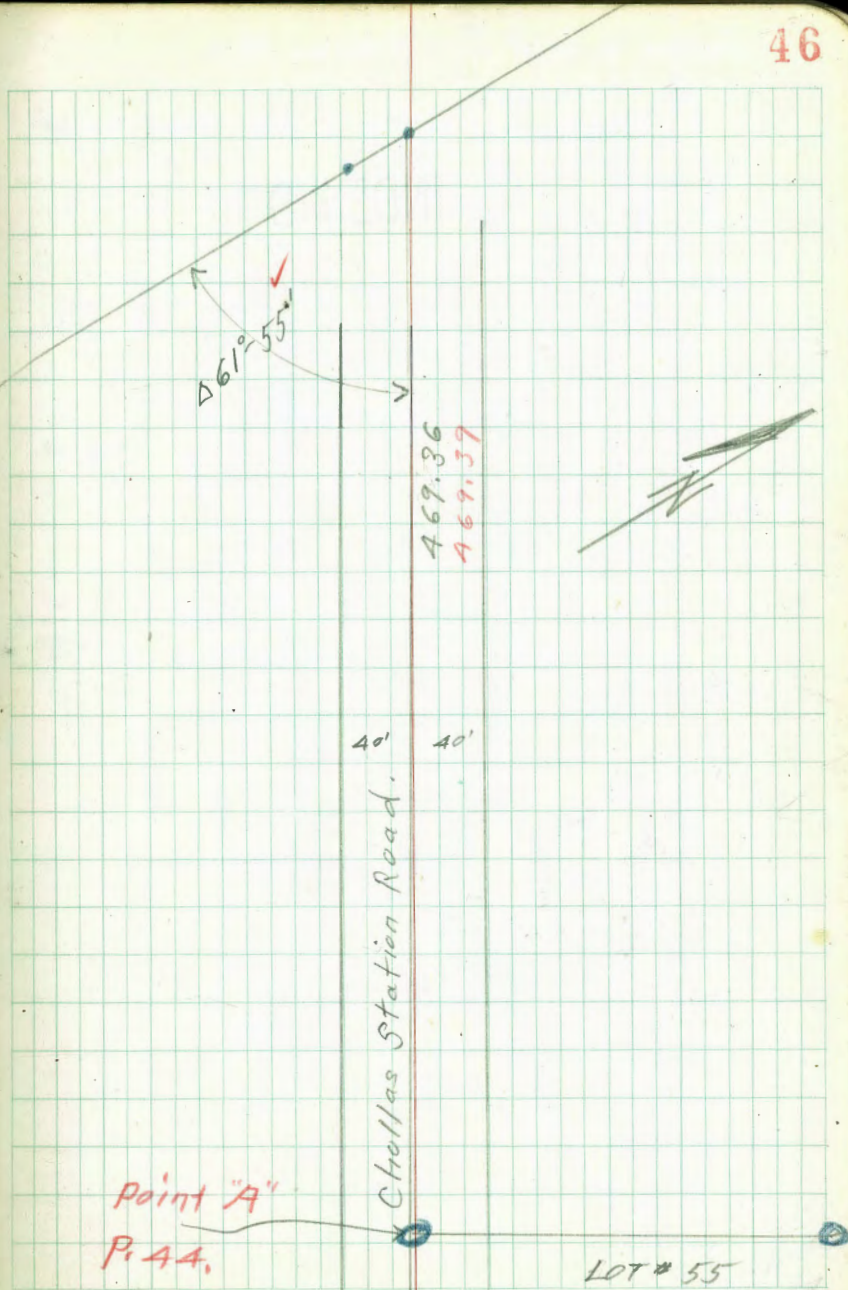
REAR

Tie in for for S. Wly cor.
(See page 44)



• = Fd. L&T. as noted on map.

○ = 2" pipe " " " "

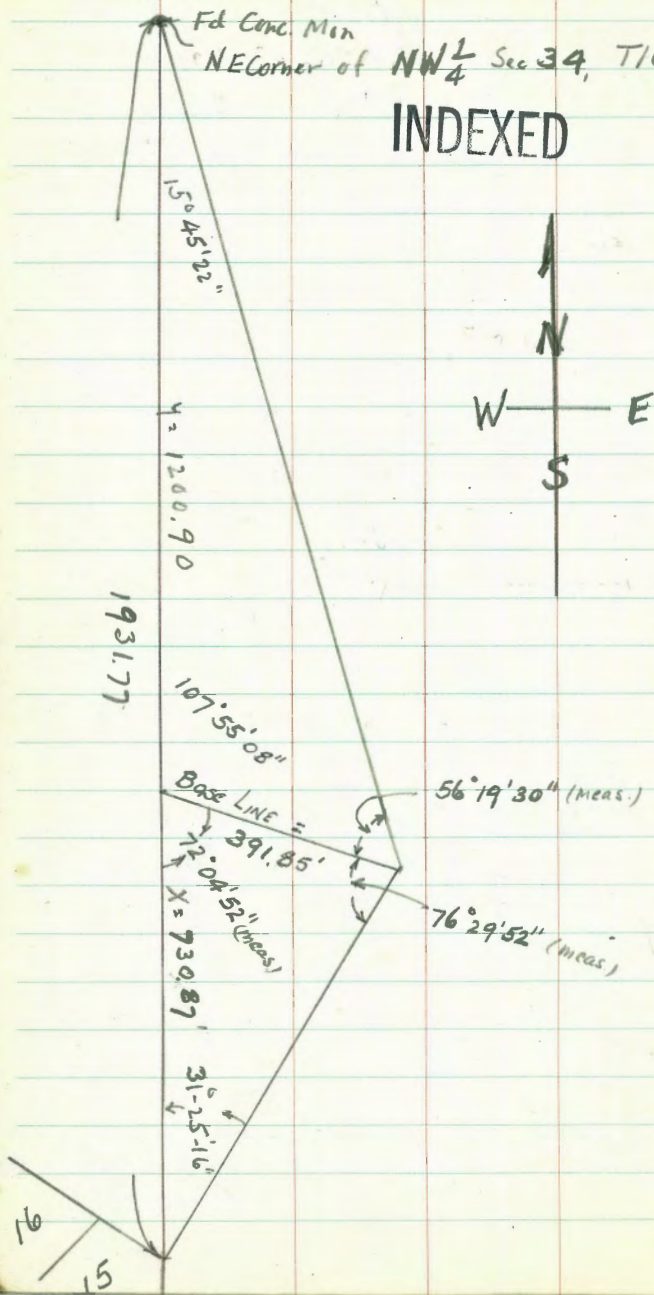


Jackson & Scott Inc. Addition No. 1

Fd Conc. Mon

NE Corner of NW $\frac{1}{4}$ Sec 34, T16S R2W

INDEXED



$$\begin{array}{r} 180-00-00 \\ - 72-04-52 \\ \hline 107-55-08 \\ 56-19-30 \\ 15-45-22 \\ \hline 180-00-00 \end{array}$$

$$\begin{array}{r} 76-29-52 \\ 72-04-52 \\ \hline 31-25-16 \\ \hline 180-00-00 \end{array}$$

$$\begin{array}{r} x \\ 391.85 \end{array} \begin{array}{l} \sin 76-29-52 \\ \sin 31-25-16 \end{array} \begin{array}{r} 972.36087 \\ 521.02409 \end{array}$$

$$x = 730.87$$

$$\begin{array}{r} y \\ 391.85 \end{array} \begin{array}{l} \sin 56-19-30 \\ \sin 15-45-22 \end{array} \begin{array}{r} 832.19614 \\ 271.54311 \end{array}$$

$$y = 1200.90$$

$$x + y = 1931.77$$

2-28-49
Hendricks
Bramby
Greer
Rorer
Nov 23 1932

Check Fenelon Heights

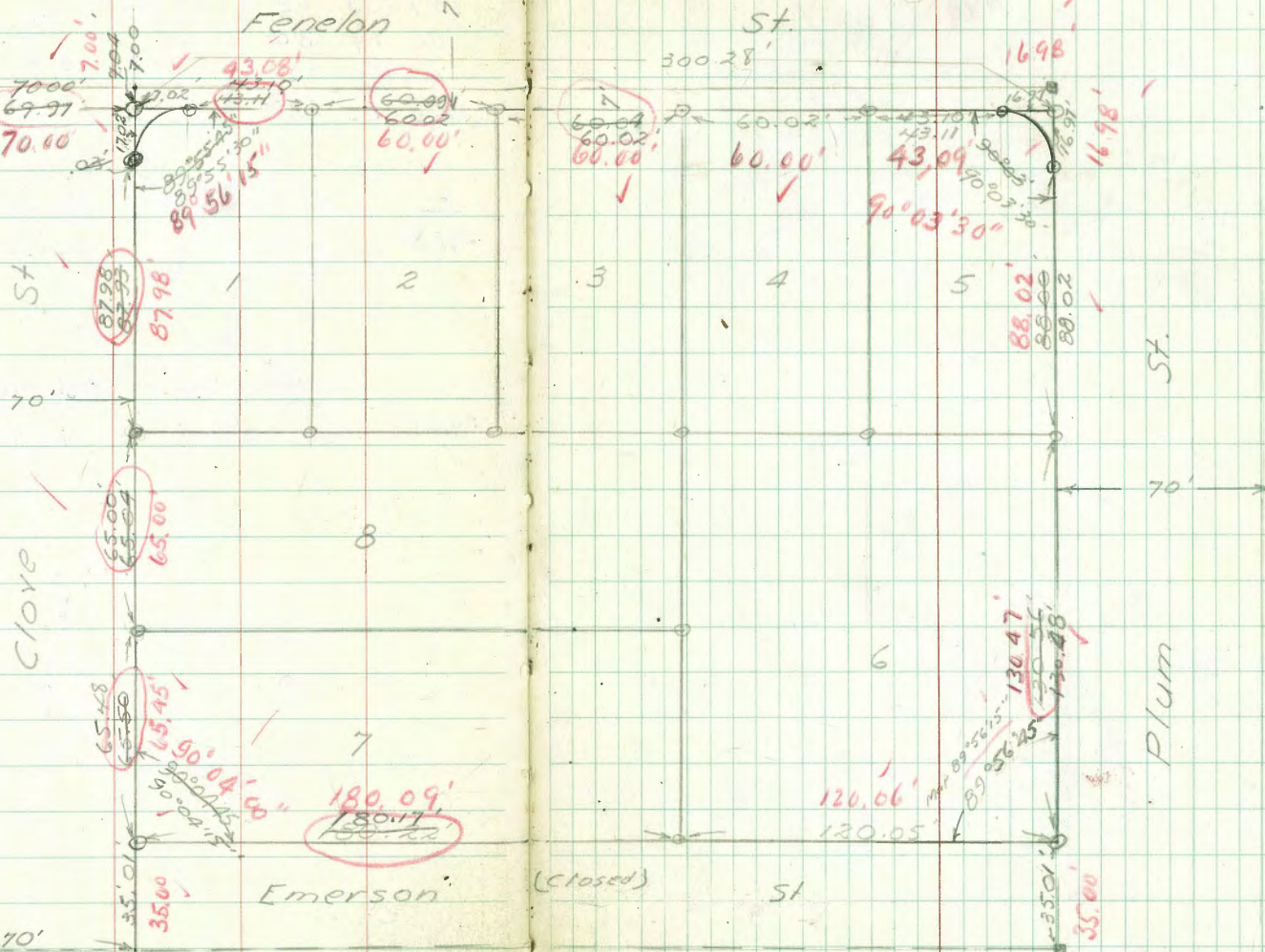
* Figures in red are from Map.

INDEXED
WK
MAR 1 1949

Fenelon

St.

300.28'



St.

Clove

Emerson

(closed)

St.

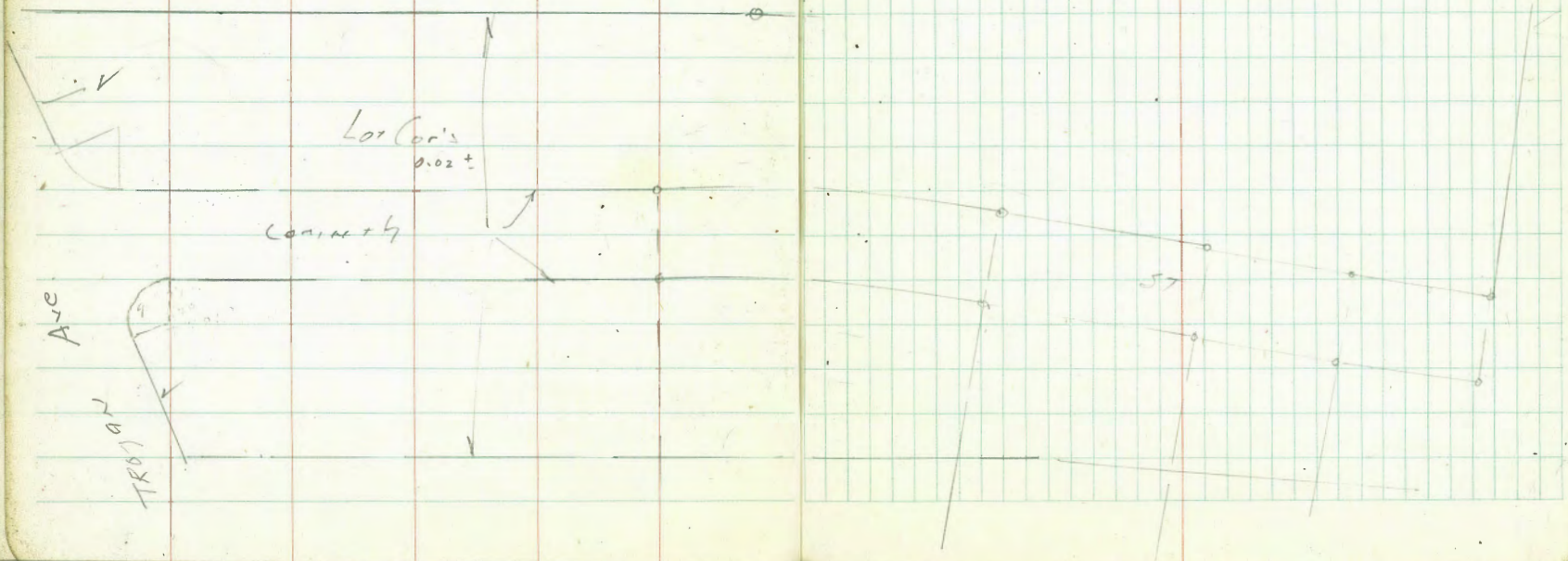
St.

Plum

W
Fd Conc
1909

Belleview Hts Unit #2
With exception of Blk 9
Balance of Unit 2
is substantially O.K.
C S M

INDEXED
WK
APR 4 1949



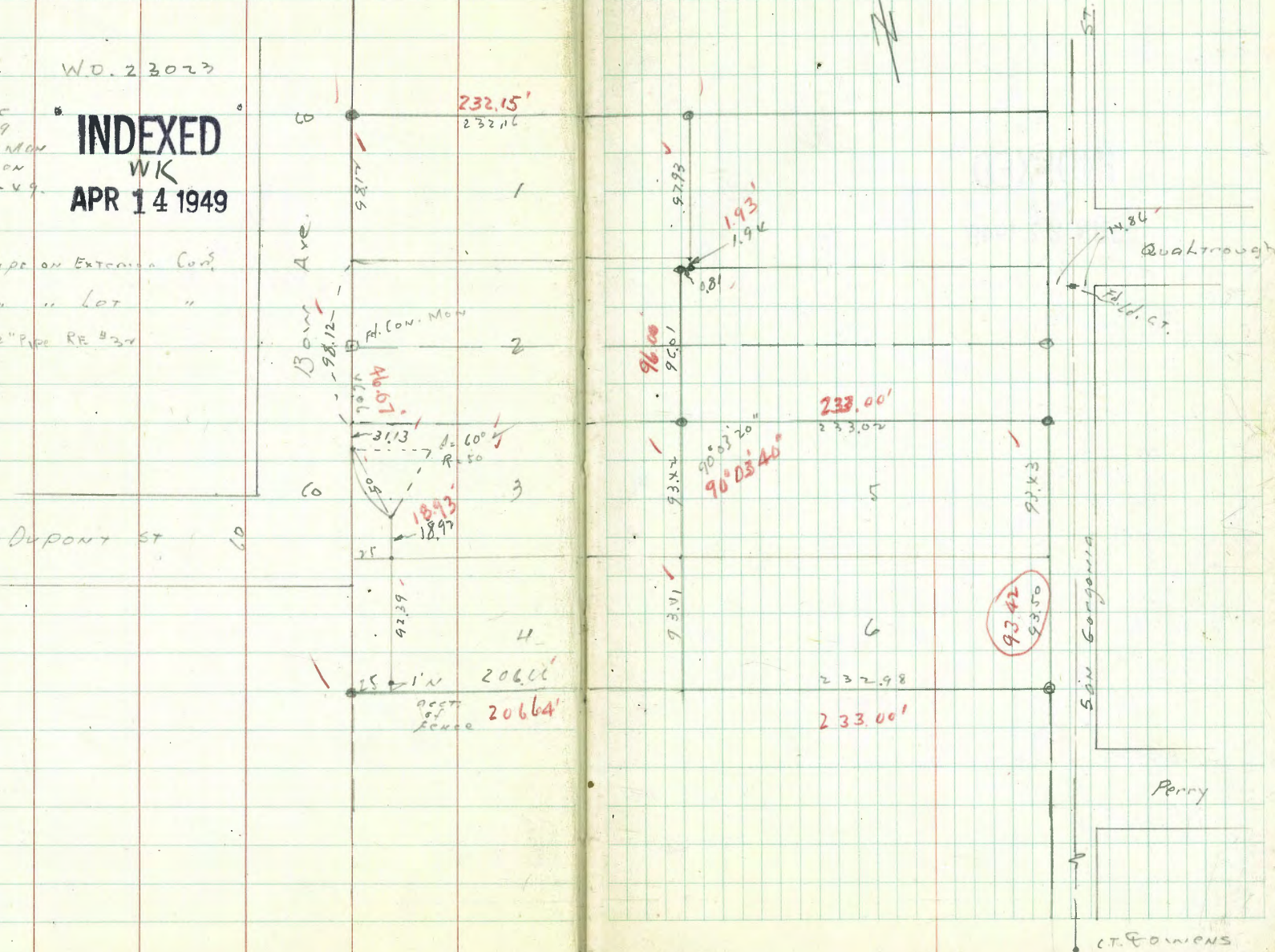
Field Check of
Coronado Vista

W.O. 23023

Moore
BC99
Shearman
D. Sisson
4-11-49

INDEXED
WK
APR 14 1949

- = 2" Pipe on Exterior Cor.
- = 1/2" " " Lot "
- o = 2" Pipe RE #34



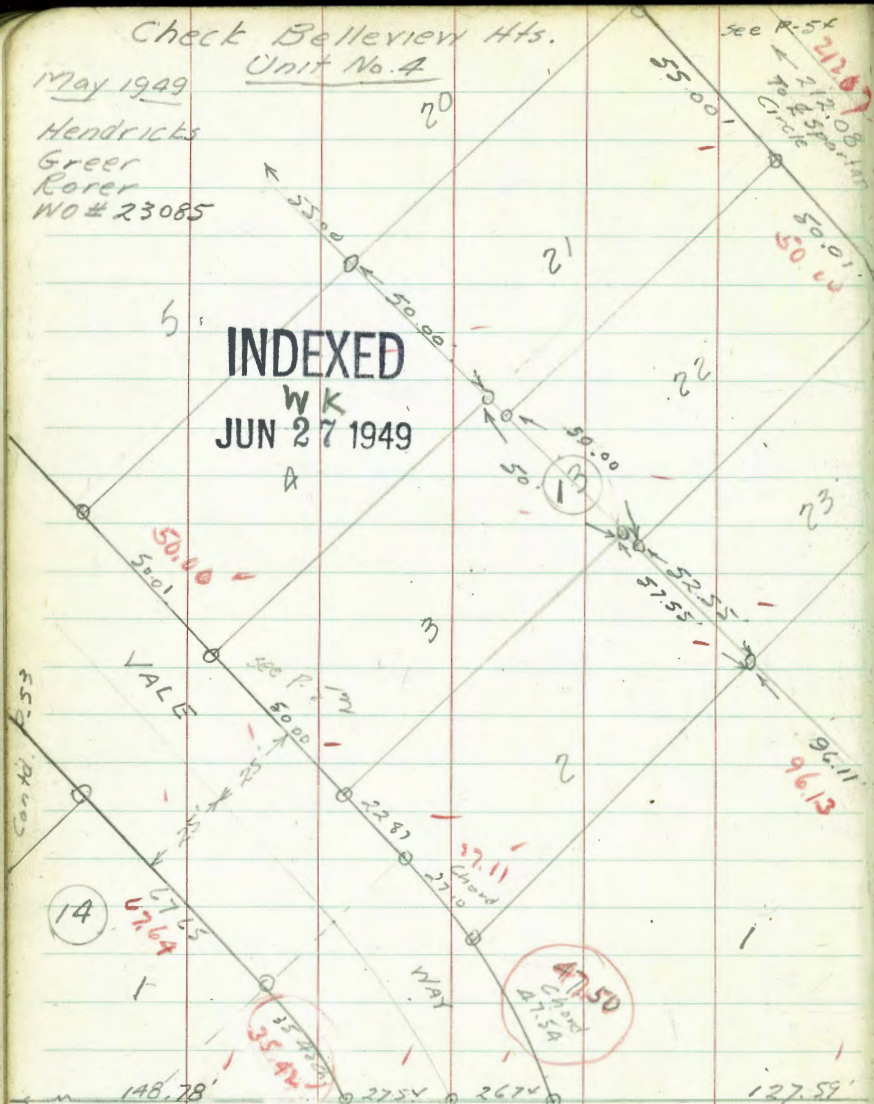
Check Bellevue Hts.
Unit No. 4

May 1949

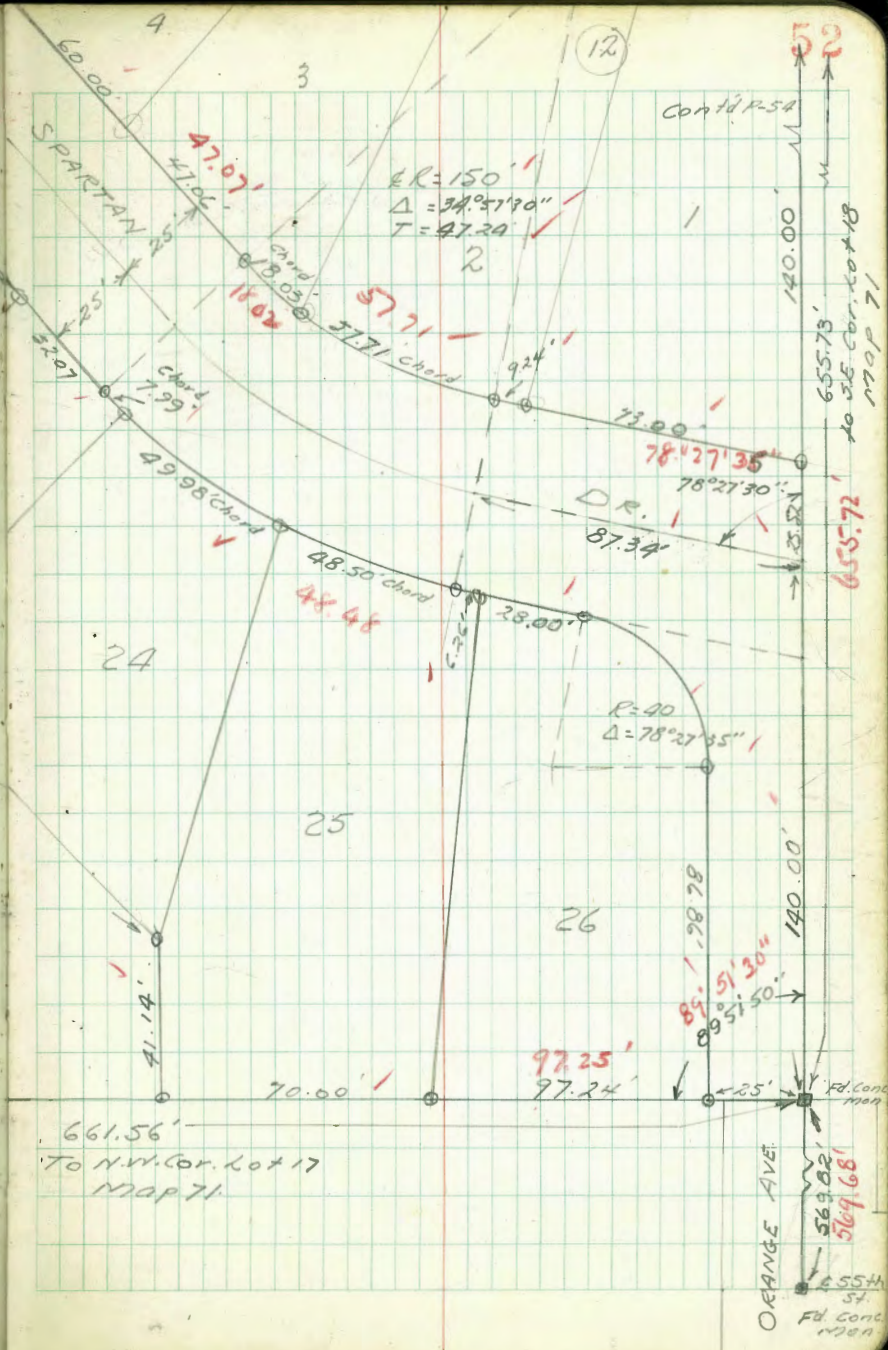
Hendricks
Greer
Rorer
WO# 23085

INDEXED

WK
JUN 27 1949



$R=150'$
 $\Delta=21^{\circ}07'40''$
 $T=32.97'$
27.97'



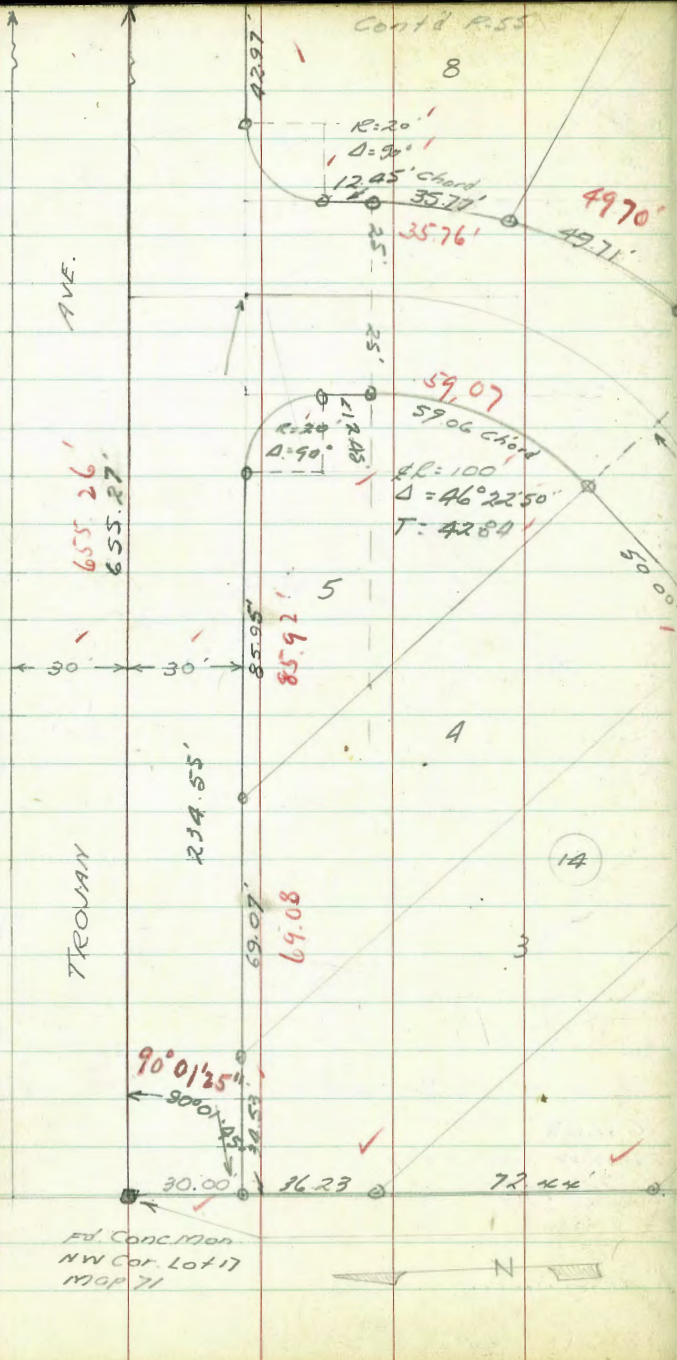
661.56'
To N.W. Cor. Lot 17
Map 71

ORANGE AVE.
569.02'
569.68'
Fd. Cont. Map 71

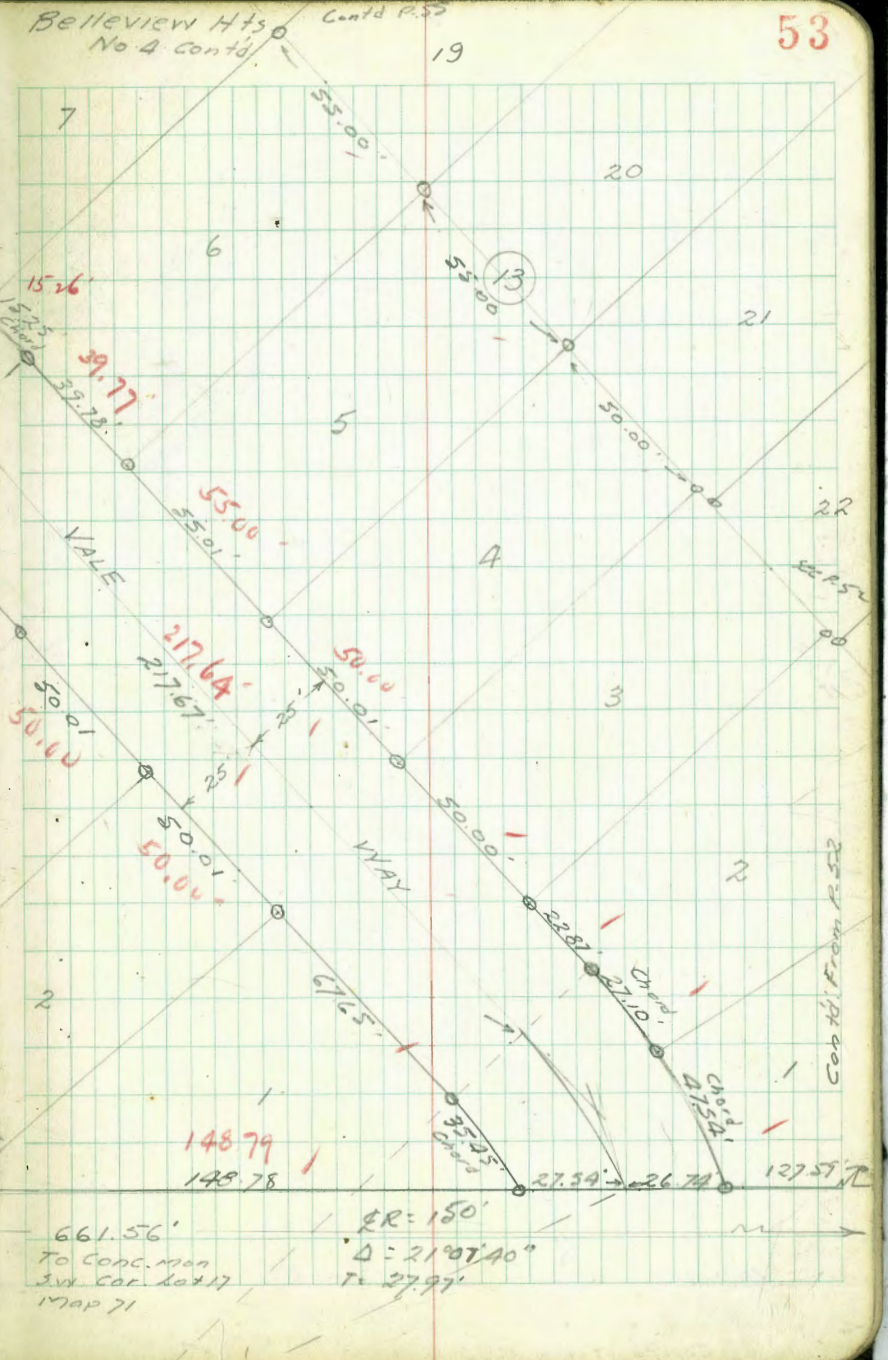
52
140.00
655.78'
655.72'
1700 71

$R=150'$
 $\Delta=34^{\circ}51'40''$
 $T=47.24'$

$R=90'$
 $\Delta=78^{\circ}27'35''$



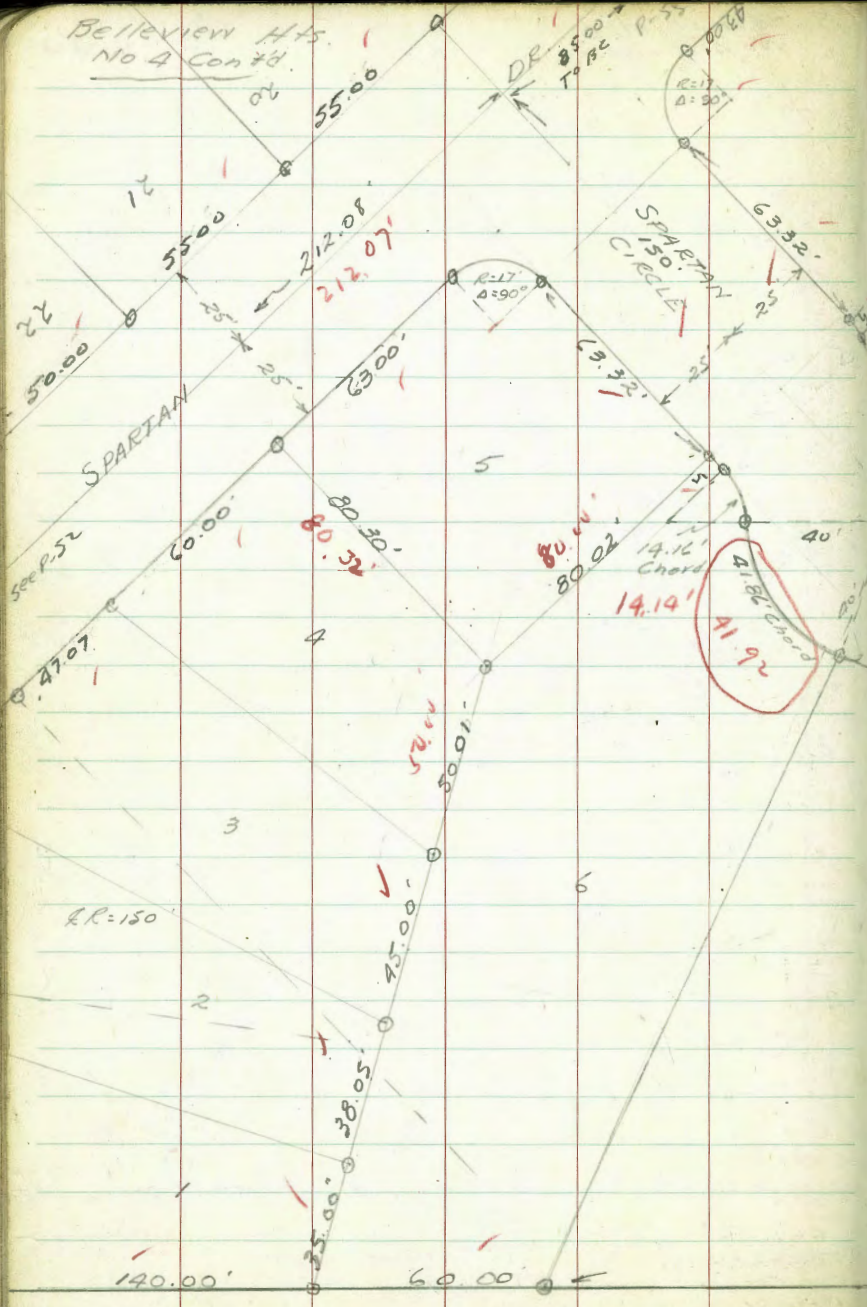
Ed. Conc. Man
 NW Cor. Lot 17
 Map 71



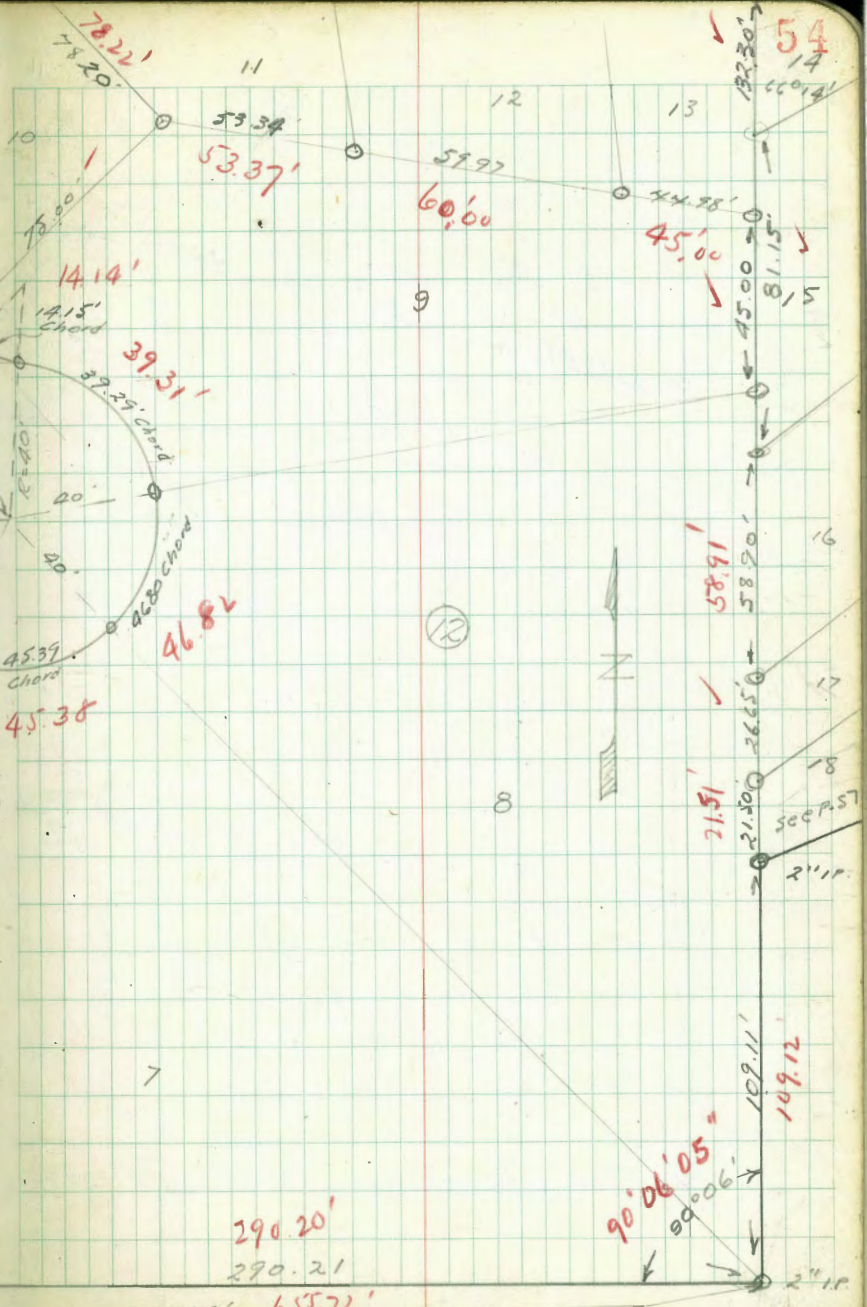
661.56'
 To Conc. Man
 SW Cor. Lot 17
 Map 71

$R=150'$
 $\Delta=21^{\circ}07'40''$
 $T=27.97'$

Bellevue Hts.
No 4 Cont'd

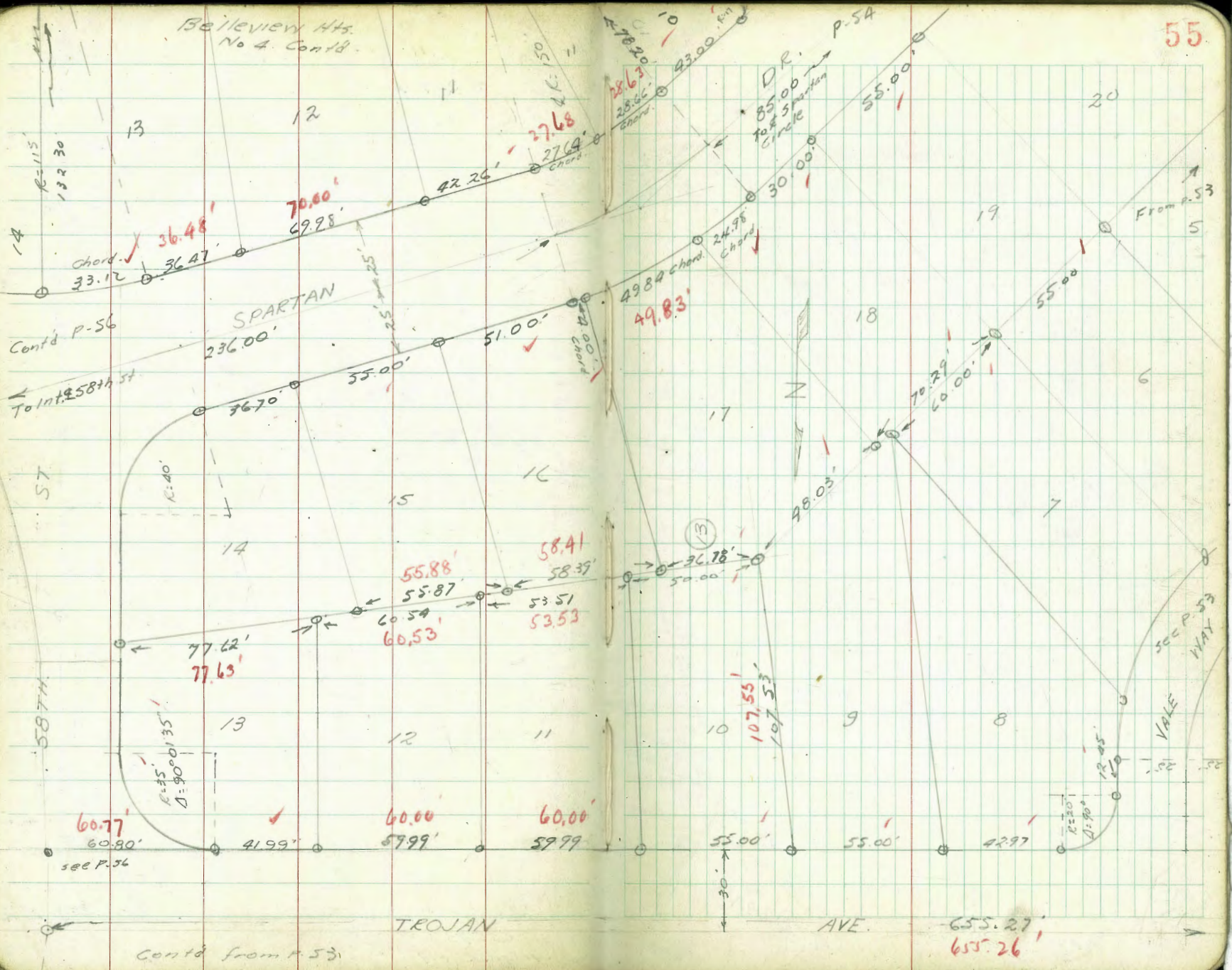


Cont'd from P.52

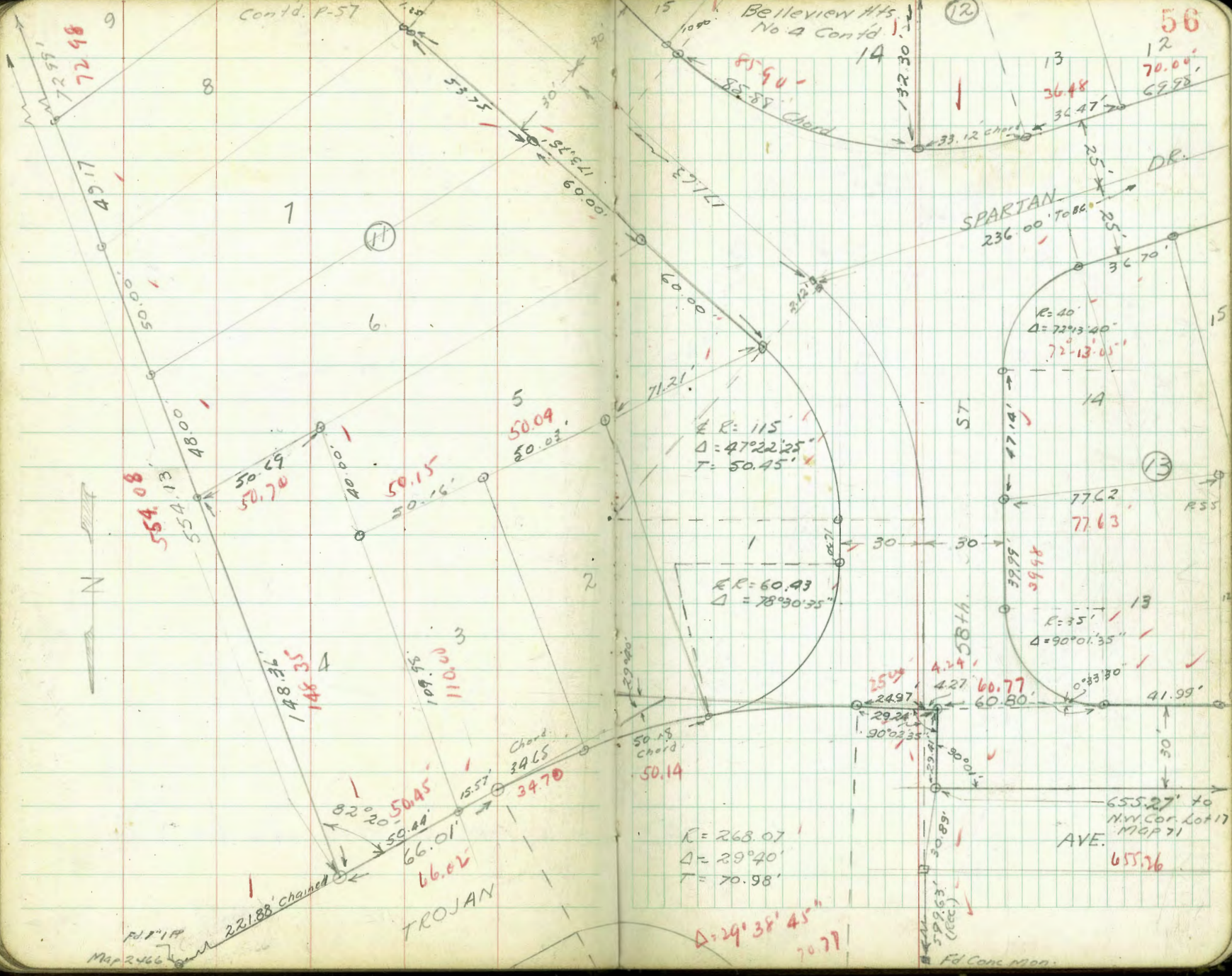


SW Cor. Lot 17
1779 P. 71

Bellevue Hts.
No. 4. Cont'd.



Contd. P-57



72.98

AD17

554.08

554.13

48.00

50.69

50.70

40.00

50.15

50.16

50.09

50.07

148.36

148

109.55

110.00

82° 20'

50.45

50.49

66.01'

66.62'

Chord 3465

3470

15.57'

F.I.P. 119

Map 2466

221.88' Chord

TROJAN

Bellevue Hts. No. 4 Cont'd.

85.90

85.89

Chord

132.30

12

56

12

70.04'

69.98'

26.48

34.47'

SPARTAN

236.00' TO BE

36.70'

R = 40'

$\Delta = 72^{\circ} 43' 40''$

$72^{\circ} 13' 45''$

14

77.62

77.63

R = 35'

$\Delta = 90^{\circ} 01' 35''$

60.77

60.80

655.27' to N.W. Cor. Lot 17 Map 71

AVE.

655.76

R = 268.07'

$\Delta = 29^{\circ} 40'$

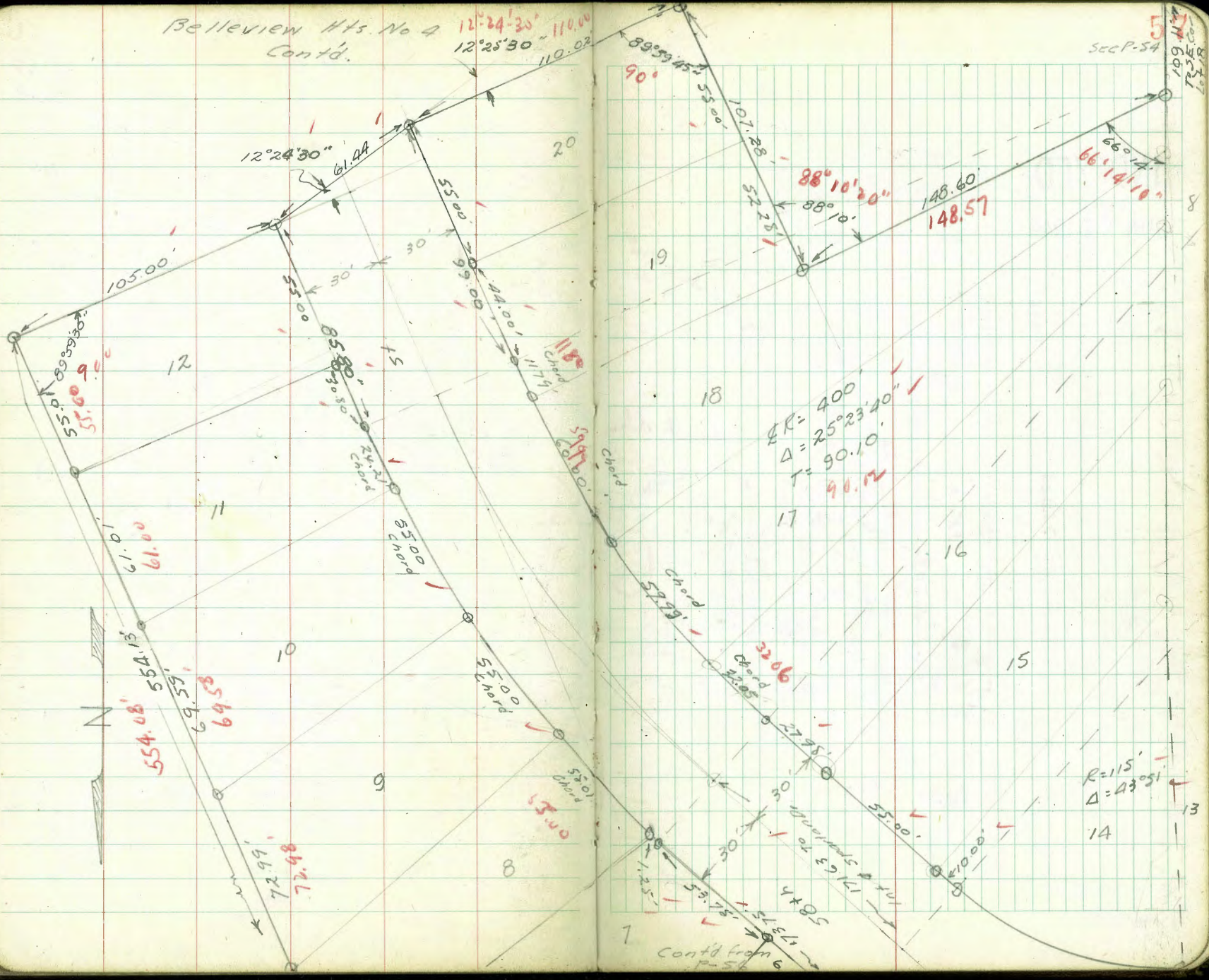
$T = 70.98'$

$\Delta = 29^{\circ} 38' 45''$

70.77

Fd Cons. Map.

Belleview Hts. No 4
Cont'd.



5
Sec P-54

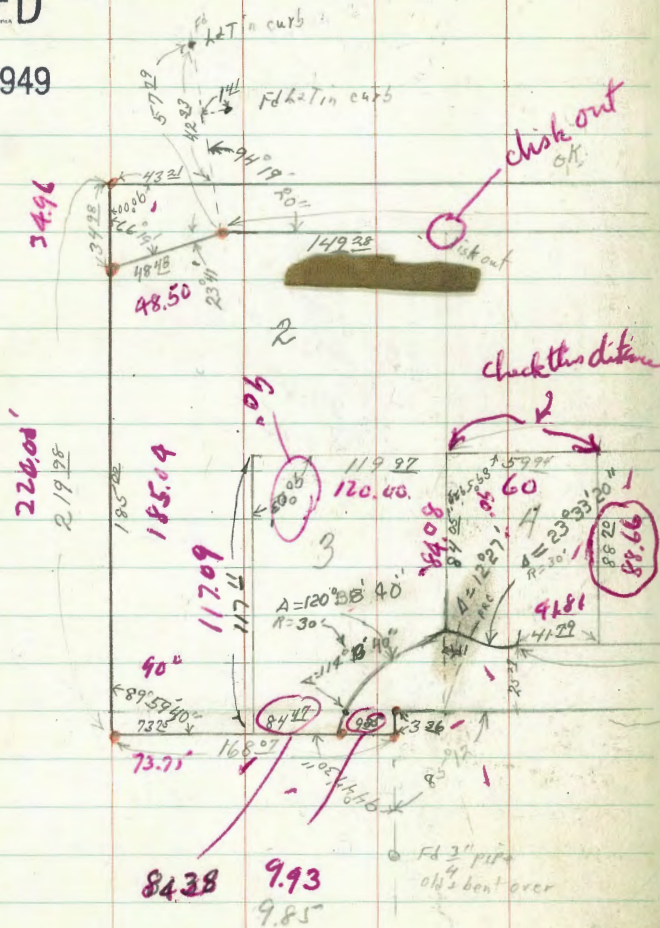
Cont'd from 6

D Smith
W Moore
J Clark
F Acuna

Imperial Village

INDEXED

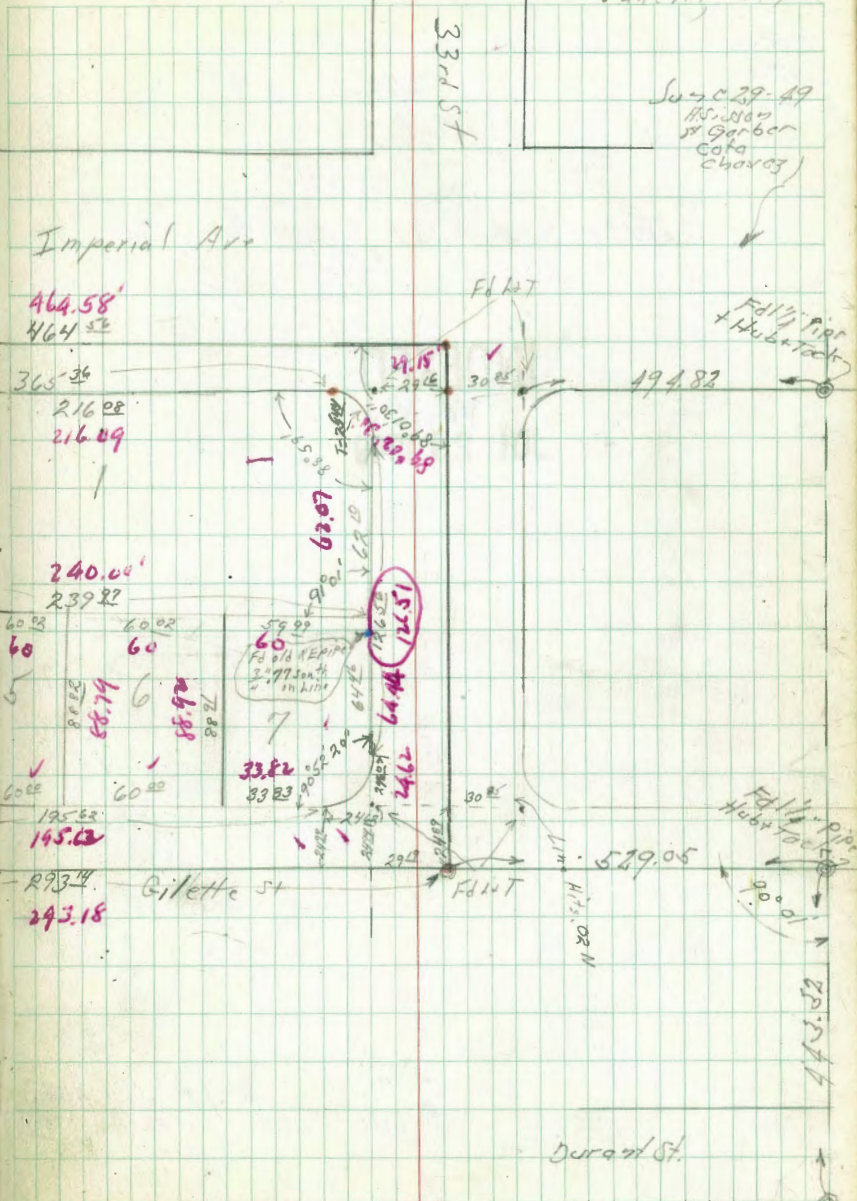
WK
JUN 27 1949



Interiors are $\frac{3}{4}$ " pipe
• 2" RD. pipe

W. # 23065 58

June 24 1949



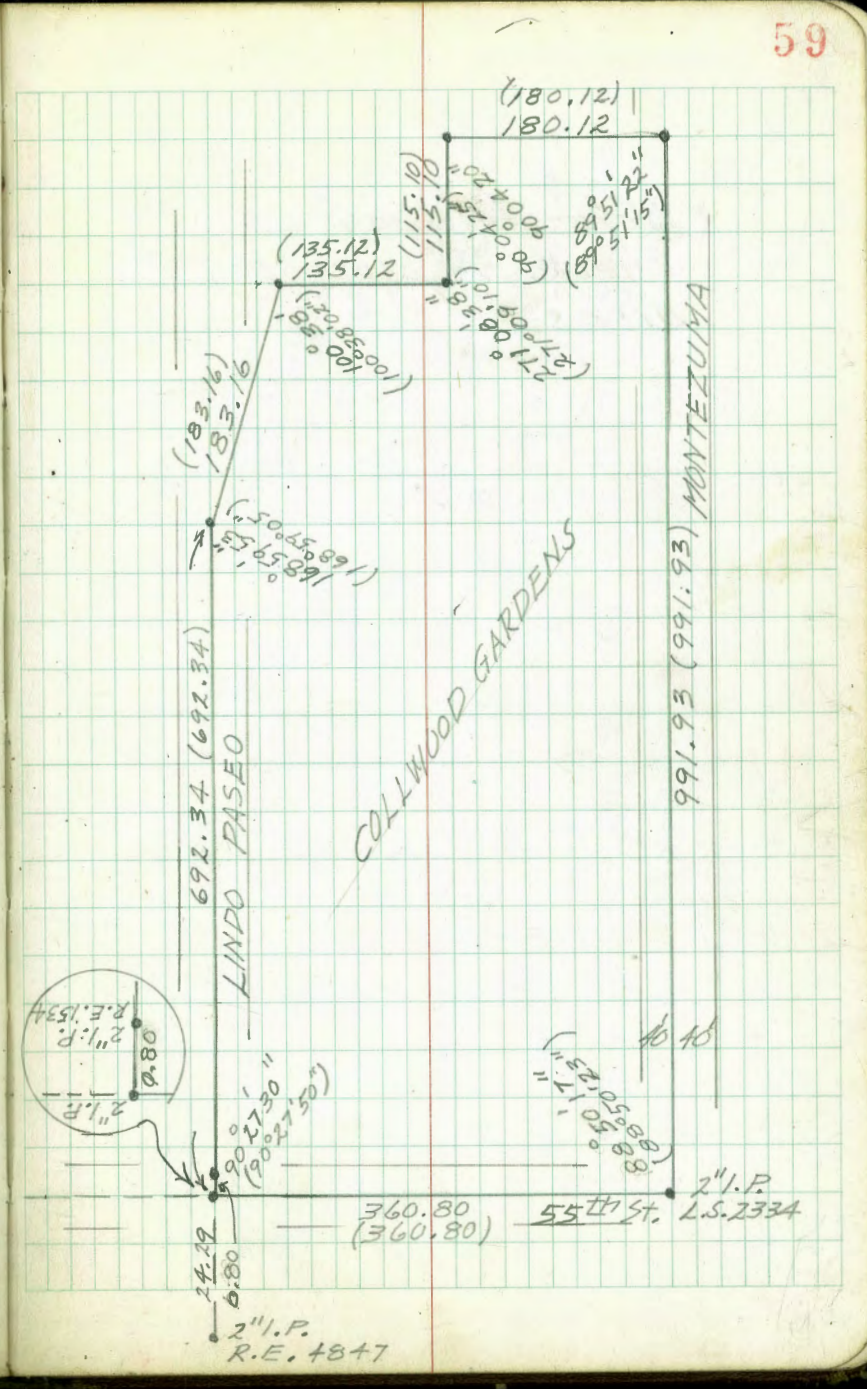
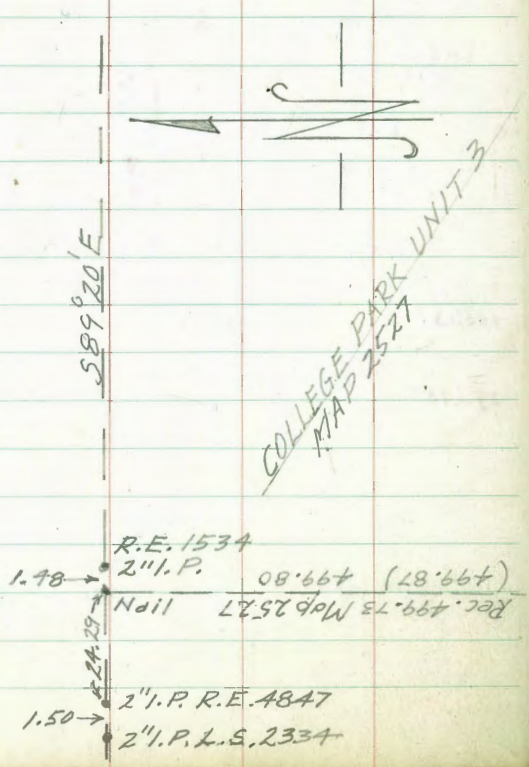
Durant St.

Fd 1 1/2" Pipe
Hub & Tank
SE. Cor. of SW 1/4 PL. 152

May 13, 49 Check-Exterior Bdry
 Garber Collwood Gardens
 Cota W.O. 23102
 Chavez

Note-See next page for interior

INDEXED
 W.K.
 JUL 21 1949



Note - All measurements check. 3/4" pipes set. No discs.

1	2	3	4	5	6	7	8	9	10	11	12	13	14
59	59	59	59	59	59	59	59	59	59	59	59	59	59
60	60	60	60	60	60	60	60	60	60	60	60	60	60
28	27	26	25	24	23	22	21	20	19	18	17	16	15
60	60	60	60	60	60	60	60	60	60	60	60	60	60
55	60	60	60	60	60	60	60	60	60	60	60	60	75

Interior Check
Westwood Hills #1

8/2/49
McCoy
Allen
Rorer

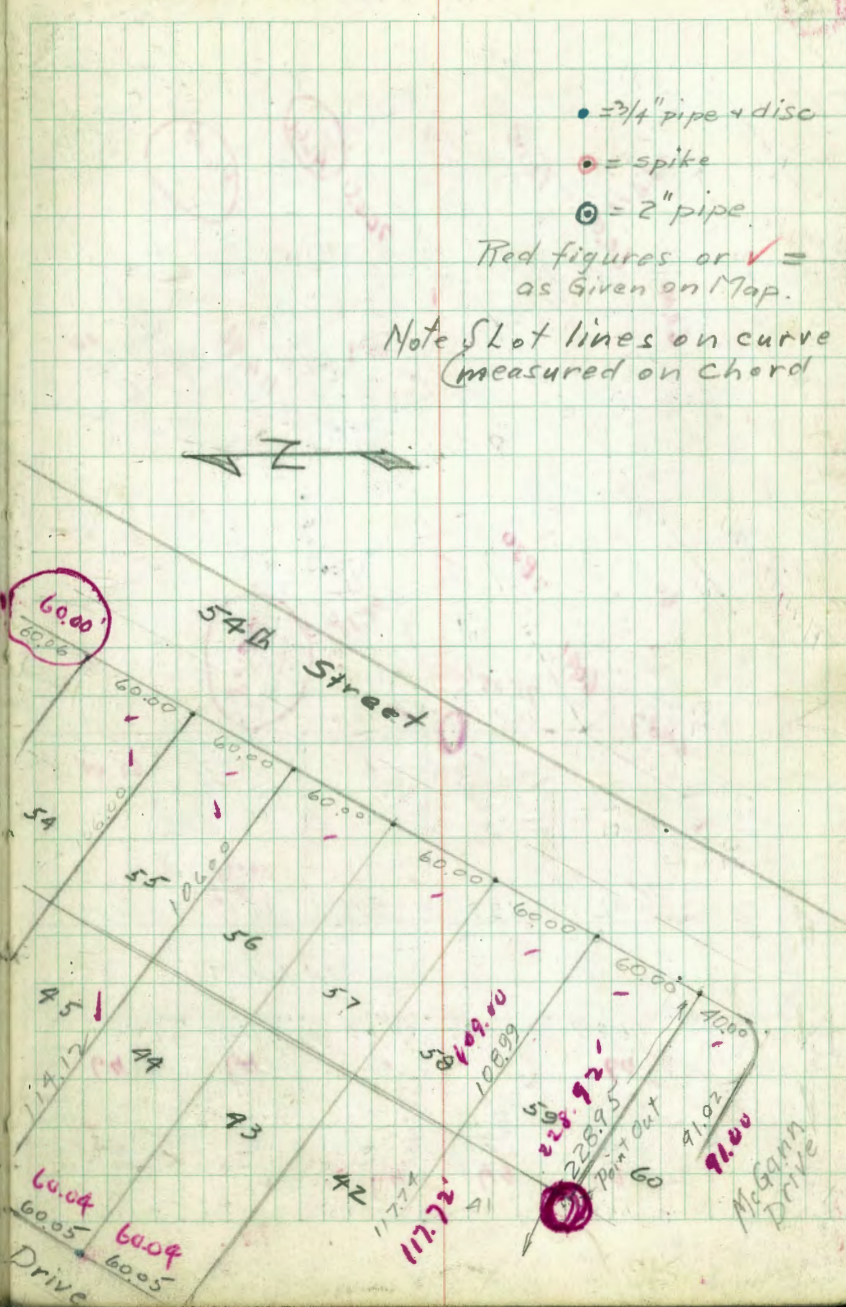
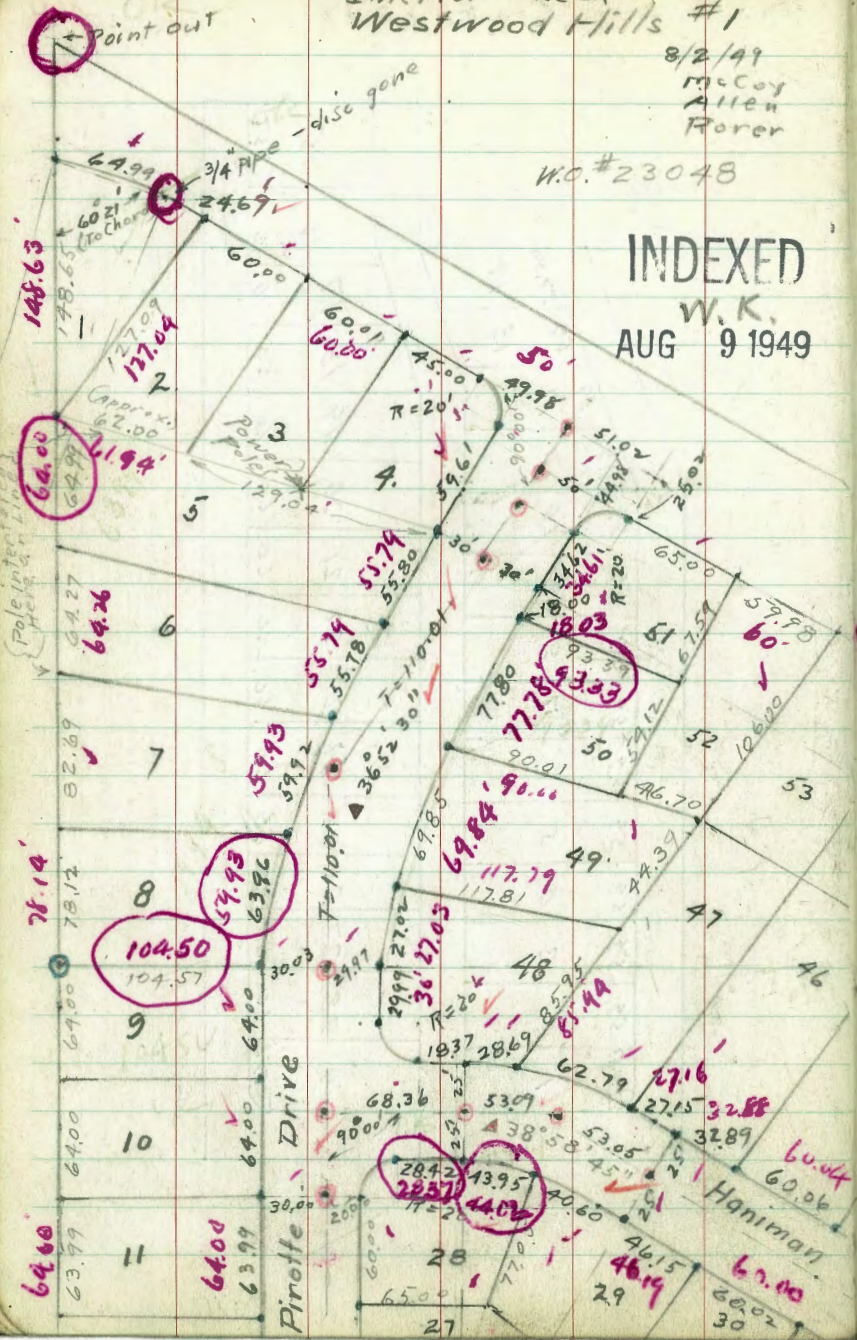
W.O.# 23048

INDEXED

W.K.
AUG 9 1949

(See Boundary Check Pg 24)

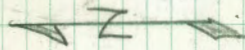
61

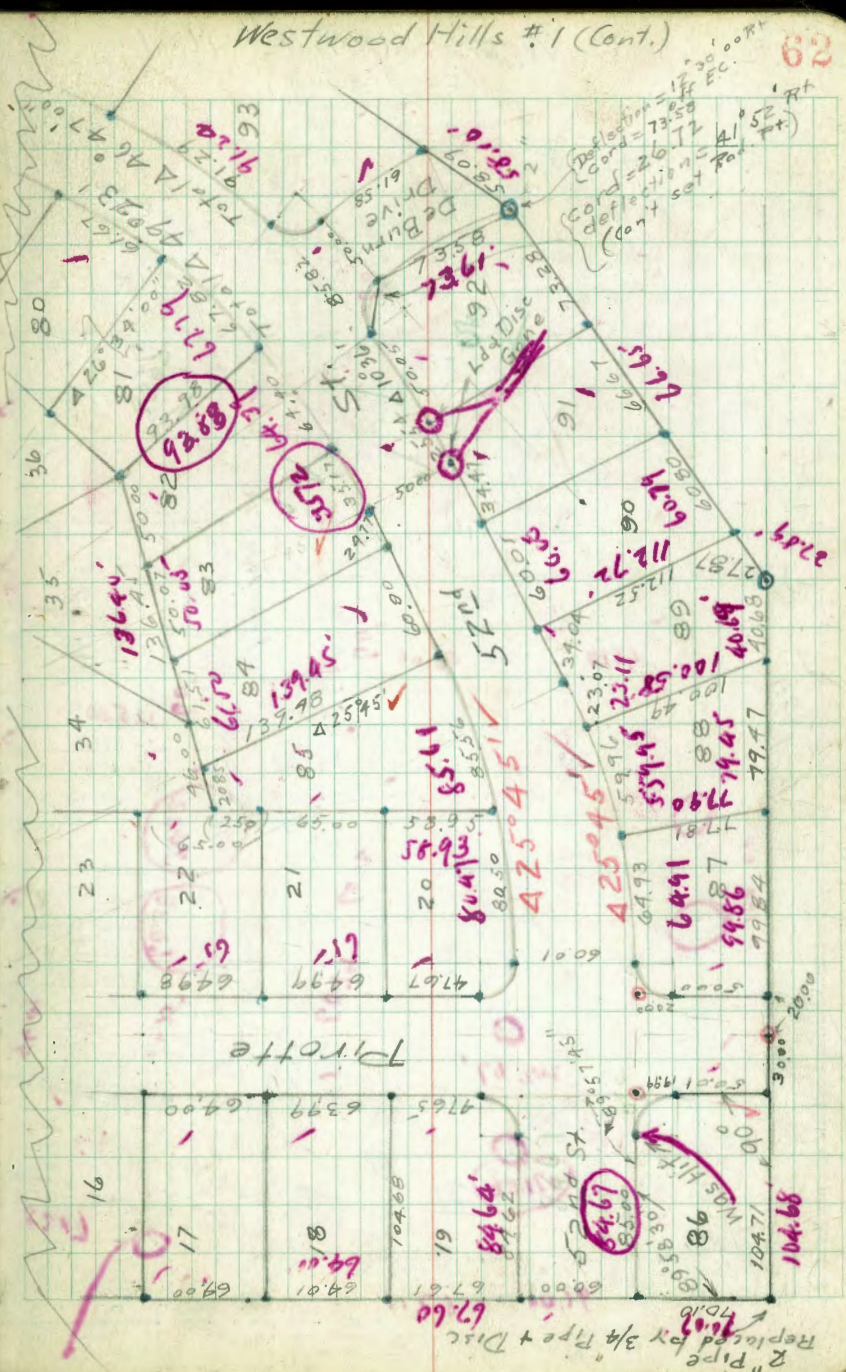
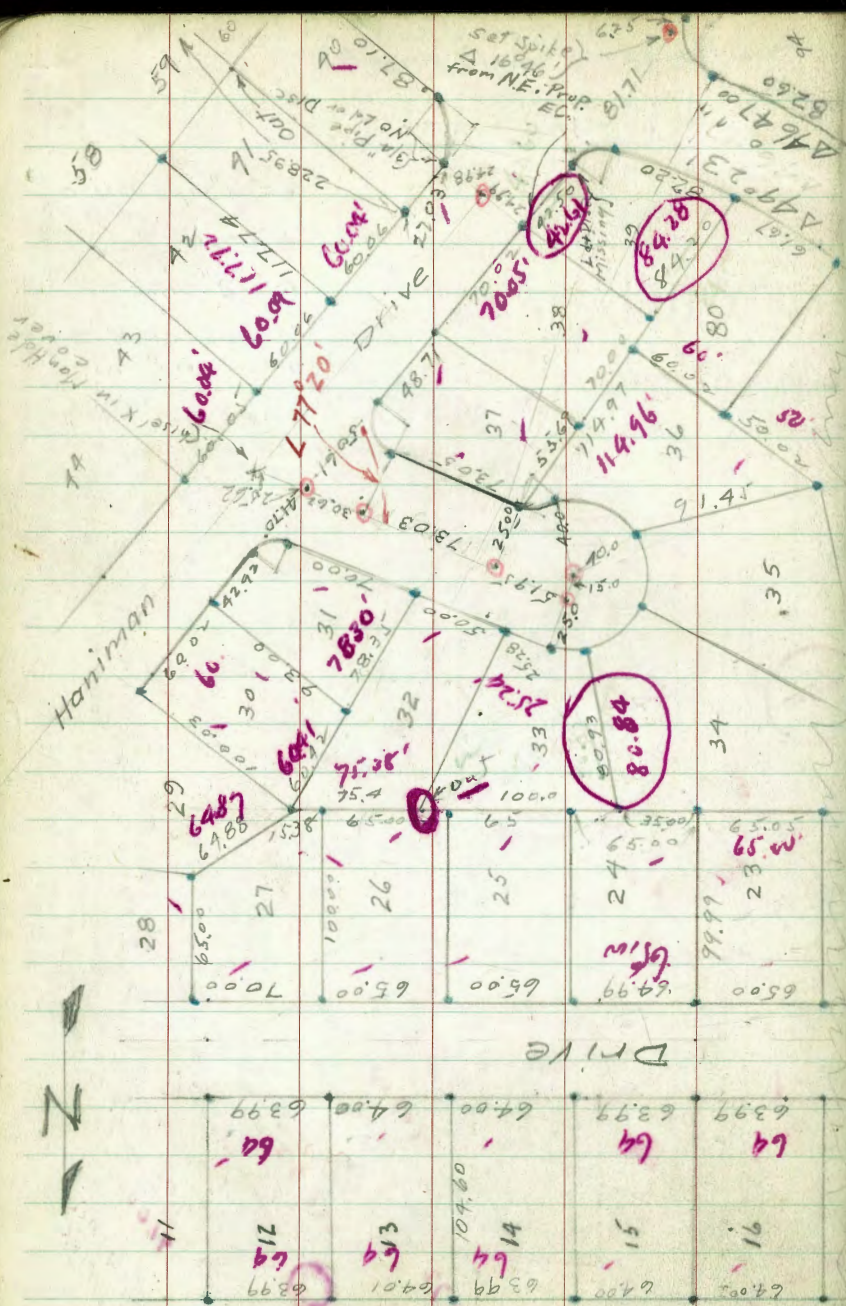


- = 3/4" pipe + disc
- = spike
- ⊙ = 2" pipe

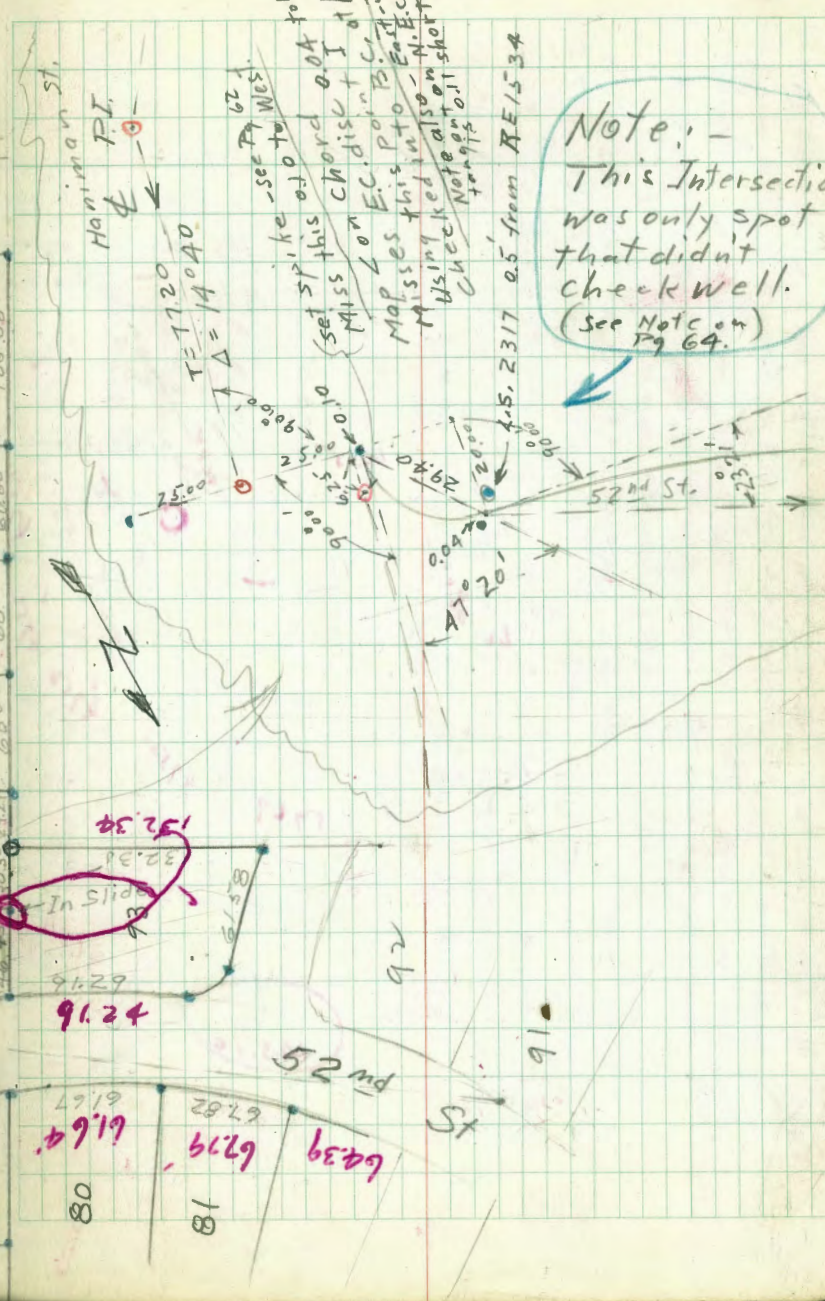
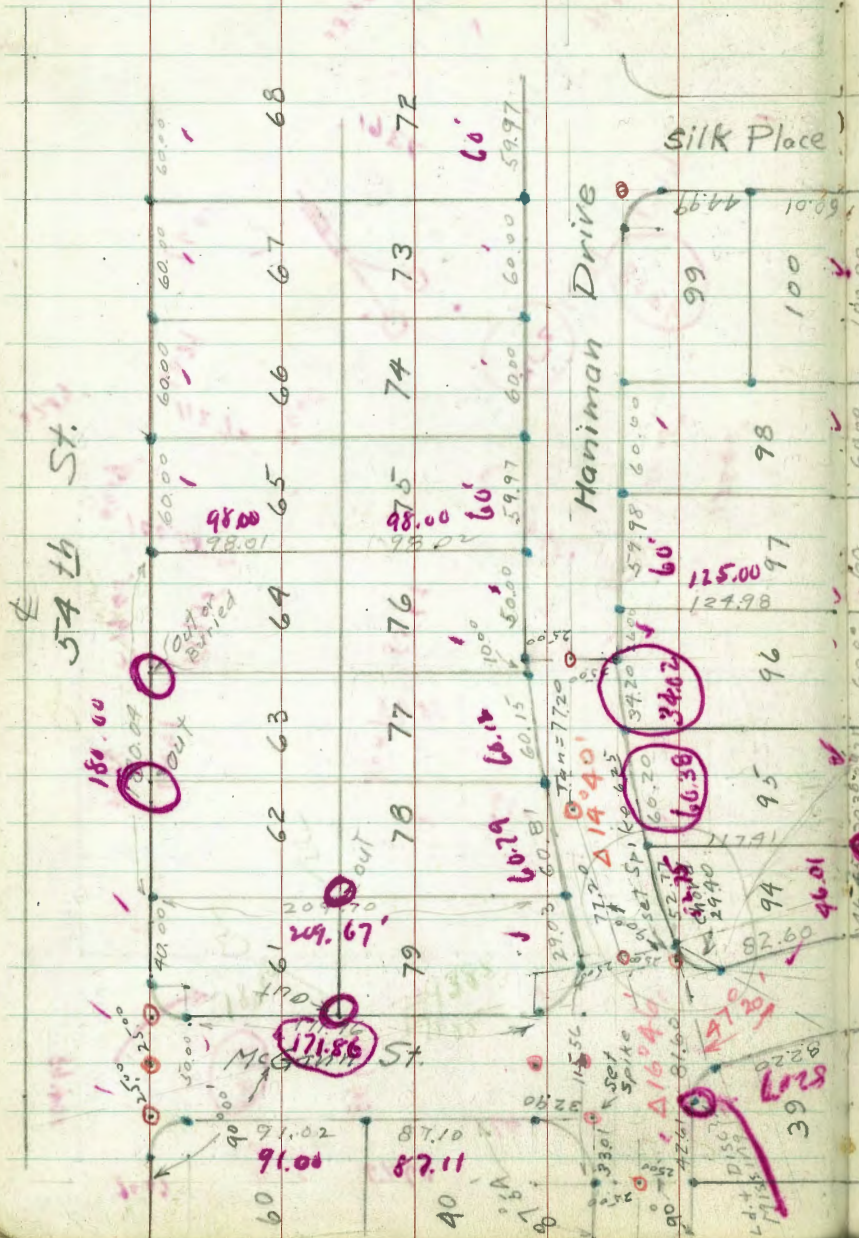
Red figures or ✓ =
as given on Map.

Note Slot lines on curve
measured on chord





Westwood Hills No 1
(continued)



Note:-
This Intersection was only spot that didn't check well. (see Note on Pg 64.)

set spike of 10 to West. - see Pg 62.
Miss this chord as total
Maples this into East Cor.
Maples this into East Cor.
Used this into East Cor.
Checked on short.

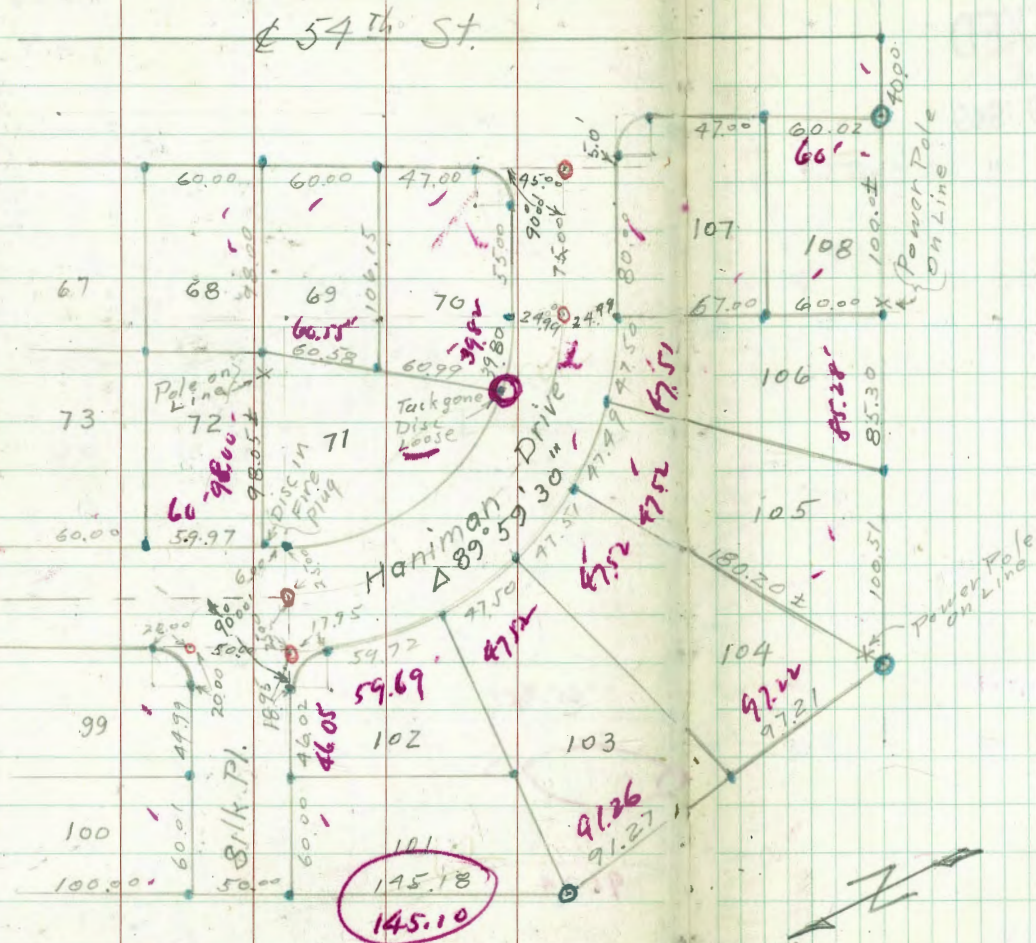
4.5.2317 0.5' from AE 15-34

$T = 7120$
 $\Delta = 14040$

In Slide
152.34

91.24
61.64
67.79
64.39

Westwood Hills No. 1.
(Continued)



Note: Alignment Check proceeded as follows:

N.E. Corner (on 54th) Sly on property to spike on Pirotte - Along E of Pirotte, using spikes (set by T.R.E. 1539) to West end of Pirotte. Also spikes from Pirotte to 52nd on Haniman. On 52nd (No spikes) Han Property lines from Pirotte to Haniman.

Checked prop. lines along 54th - spikes on McGann and Haniman at 54th - thence spikes on Haniman into intersection at 52nd - thence Sly prop. line on 52nd trying into and rechecking into B.C. at Lot 91.

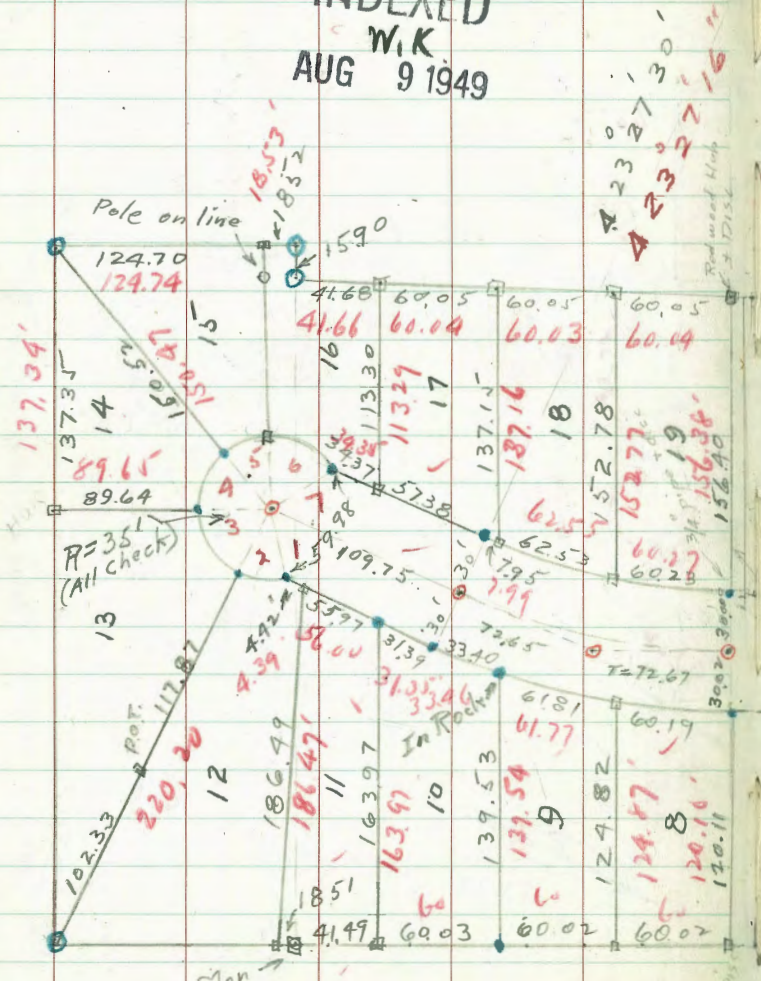
8/6/49

Interior Field Check
Purpus Park
(Boundary Check in 2037-1)

McCoy
Allen
Trorer

W.O. # 23034

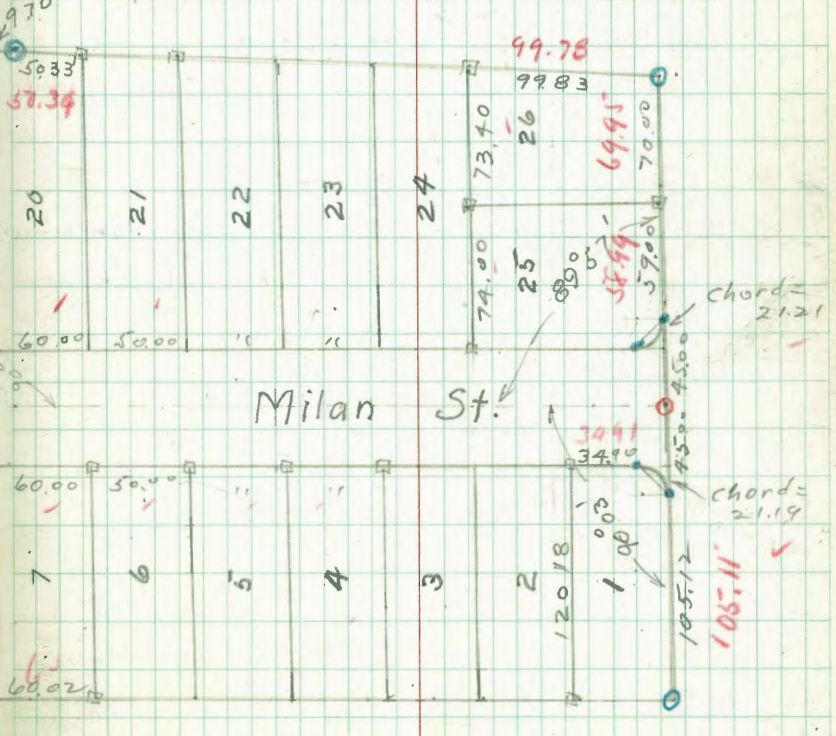
INDEXED
W.K.
AUG 9 1949



- = Tack & Disc - T.E. 469 - in 3/4" pipe
- = Nail
- ⊙ = 2" pipe - Disc
- = 2x2 Hub - "

Angles at center of Banjo off of P.I.

Azimuth Pt.	Angle
59° 00' 00"	59° 00' 00"
95° 46' 30"	36° 46' 30"
156° 31' 30"	60° 45' 00"
204° 17' 30"	47° 46' 00"
246° 33' 00"	42° 15' 30"
301° 00' 00"	59° 27' 00"
360° 00' 00"	59° 00' 00"

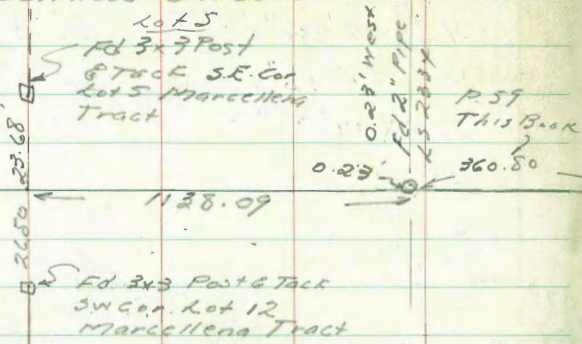


Note: Slot lines on curve
(measured on chord)

Sept 1949
Hendricks
Roberts
Greer
Bunch
Mo # 23102

Survey in Marcellena Tract
to determine discrepancy in
lines of College Park Unit #3
& Collwood Gardens

INDEXED
W.K.
SEP 27 1949



Lot 12

Collwood
Gardens

Cont'd. P. 67

66

Note:

As per Map # 2527

Ed 2" Pipe
RE 4847

P 31 This Book

499.97'

E. Line College Park #3
Map # 2527

2" Pipe
Knocked Out

College Park
Unit #3

E. Line College
Park Unit #3
Map # 2527

89°37'52"
(P-31 This Book)

Ed 2x2 Hub & Tack

15.44'

Ed 2" I.P. L.S. 2337

1.49'

Ed 1/2" I.P. RE 2318

13.53'

Ed 2" I.P. L.S. 2334

1.48'

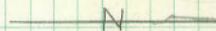
Ed 2" I.P. RE 4847

Ed 2" I.P. RE 1534

Ed 3/4" I.P. RE 913

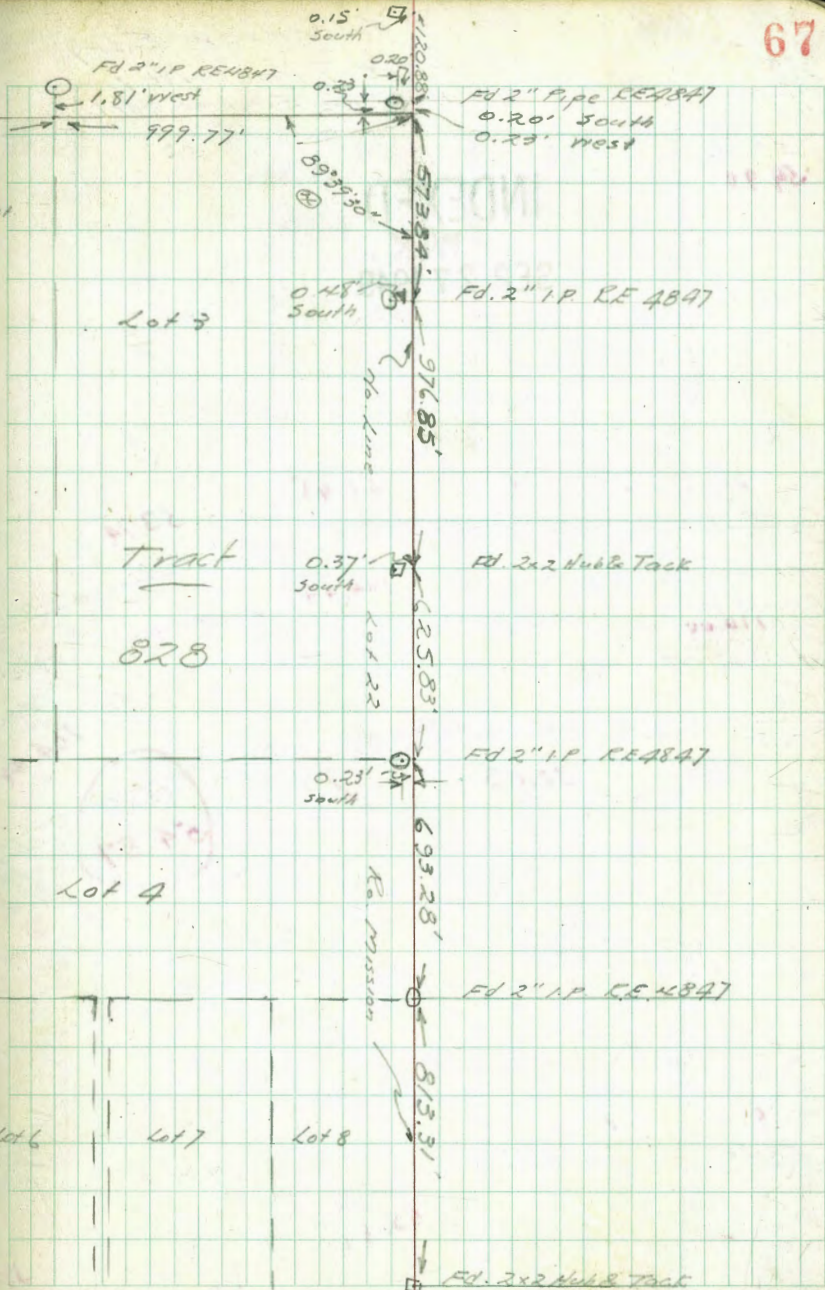
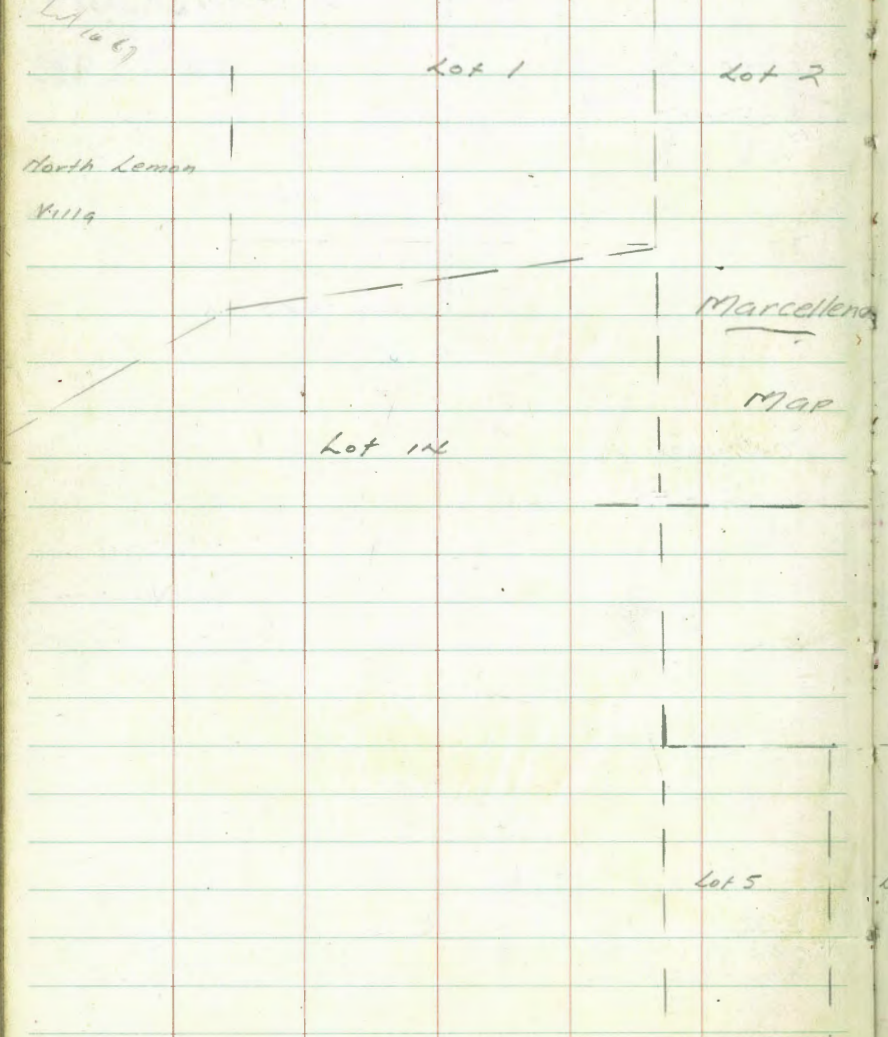
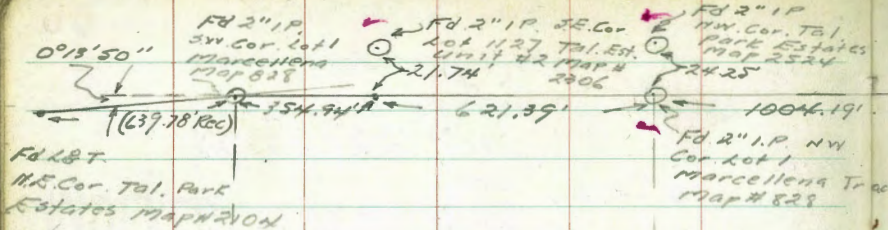
Ed 3/4" I.P. L.S. 2317

869.92'



Ed 2" I.P. RE 1534

N.E. Cor. Lot 9
Marcellena Tract

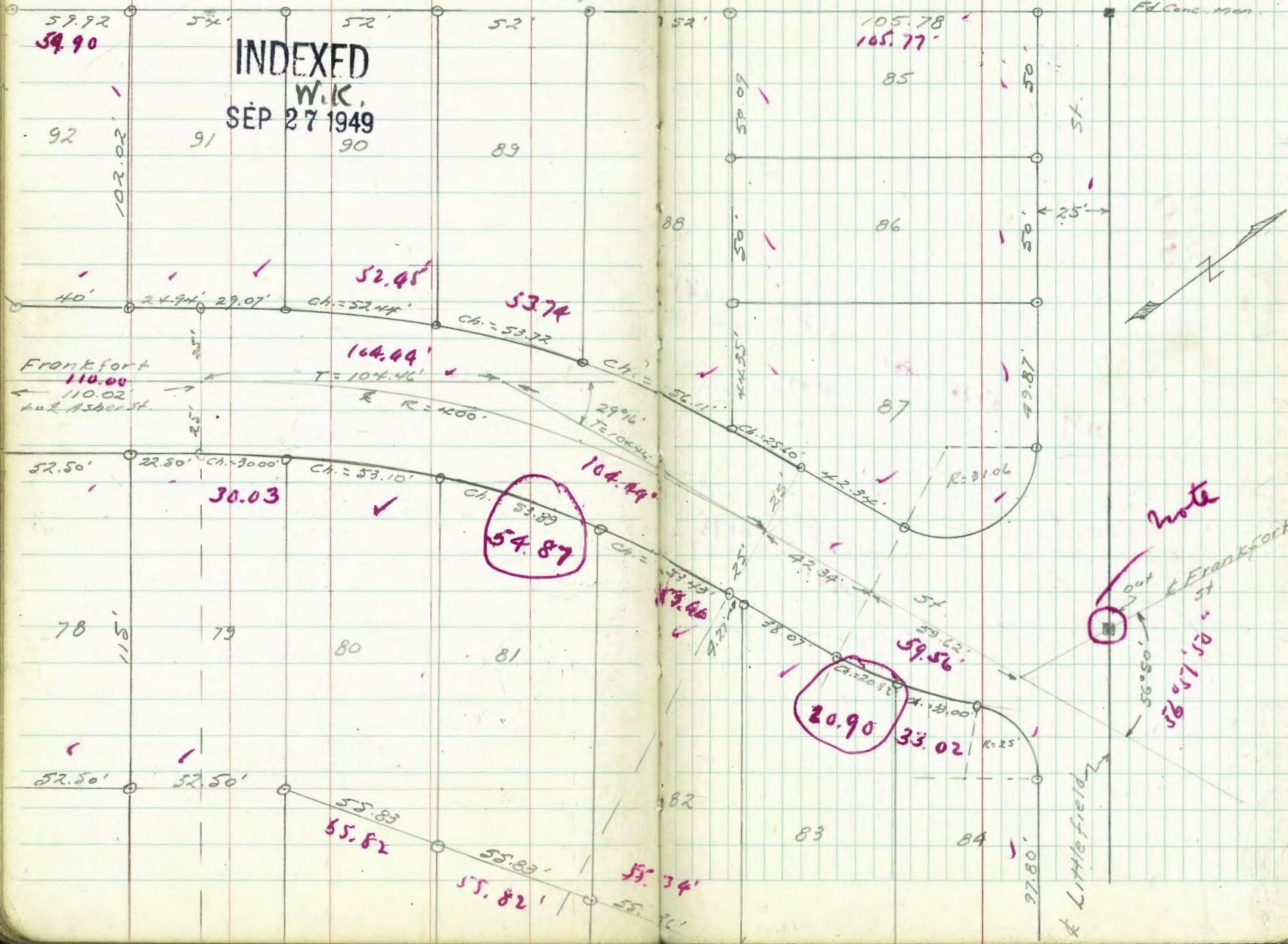


Cont'd. from P. 66

Sept 13, 1949
 Hendrick
 Roberts
 Greer
 Bunch
 Wood

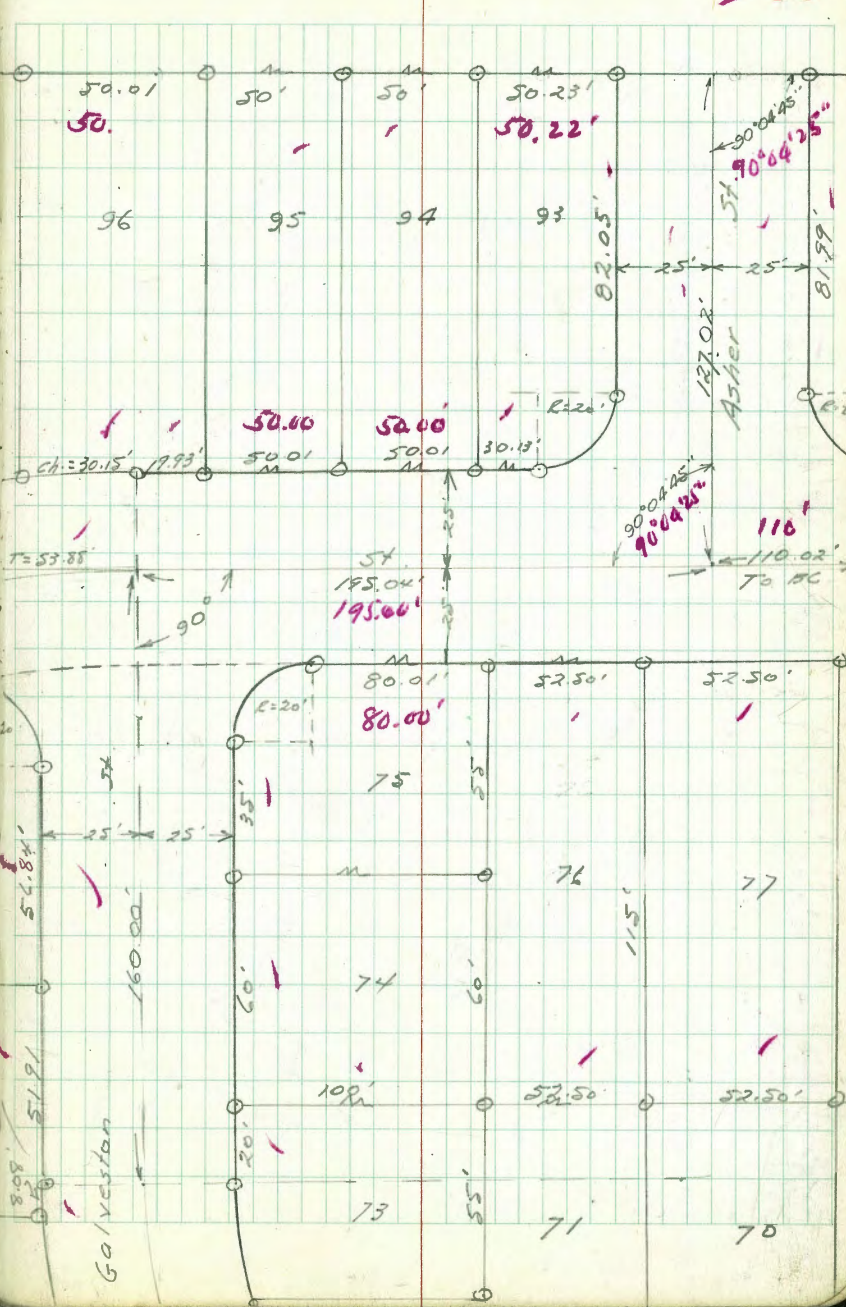
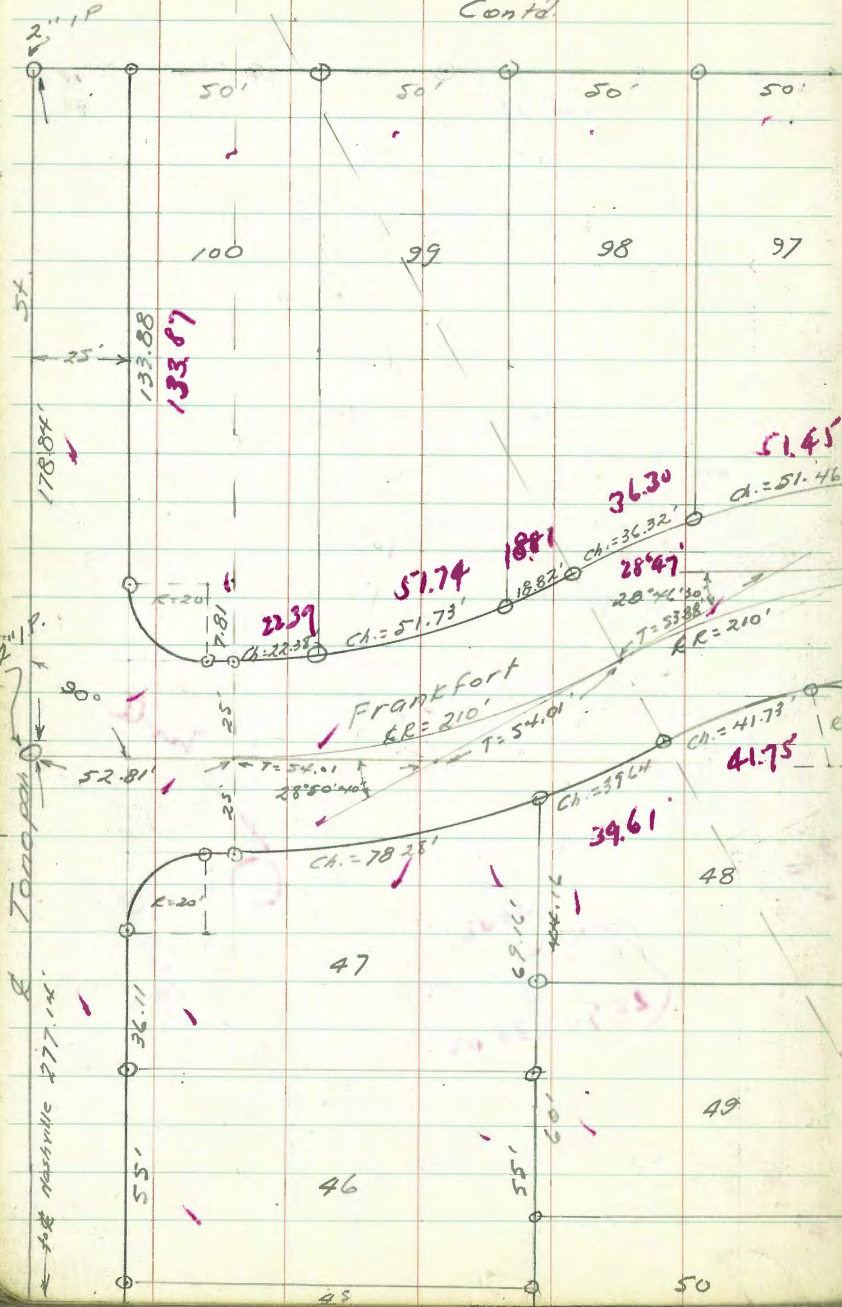
Check Interior Bdry.
 Hazard Tract No. 1
 (See P. 27 for Exterior Bdry.)

OK 68

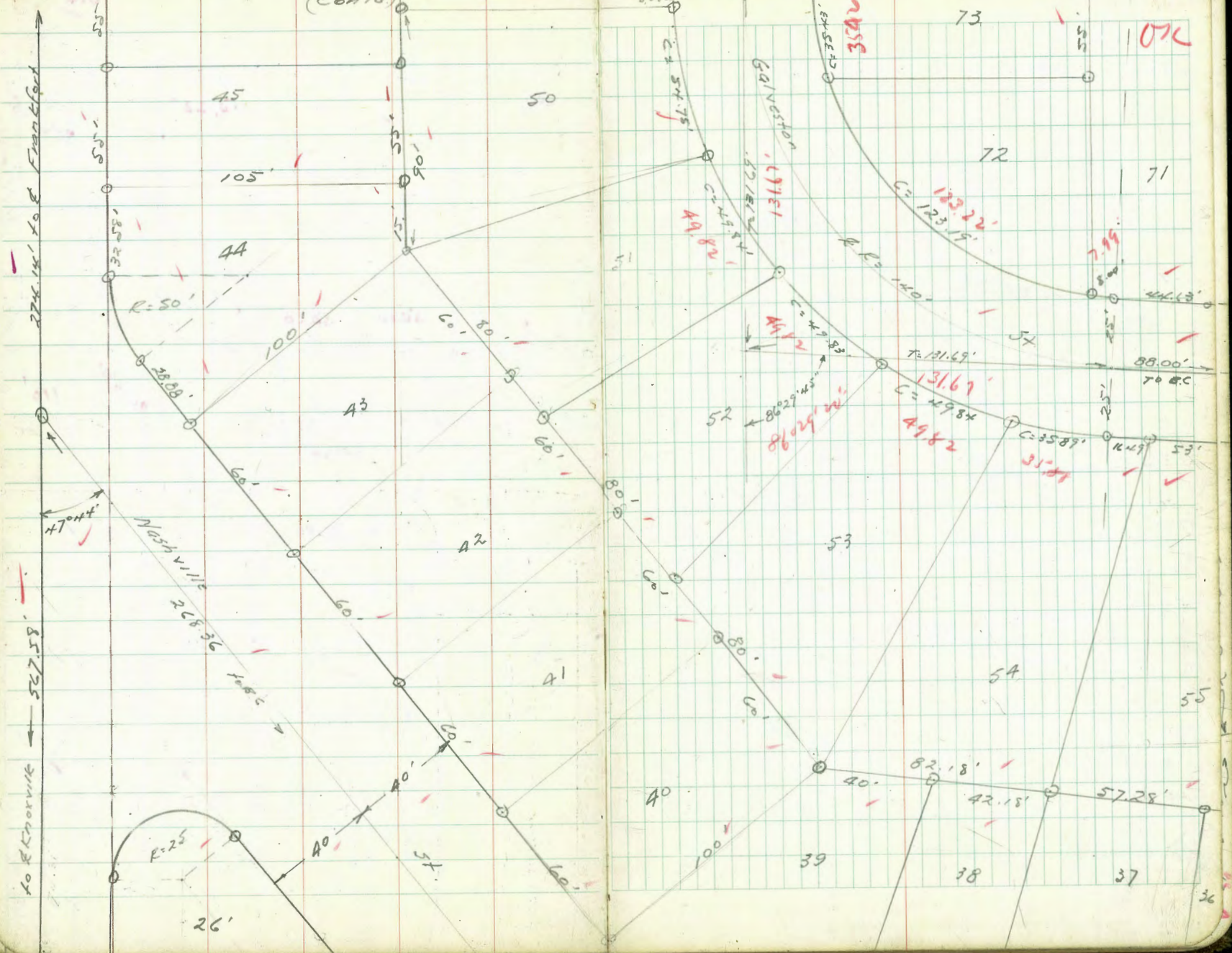


Hazard Tract No 1
Contd.

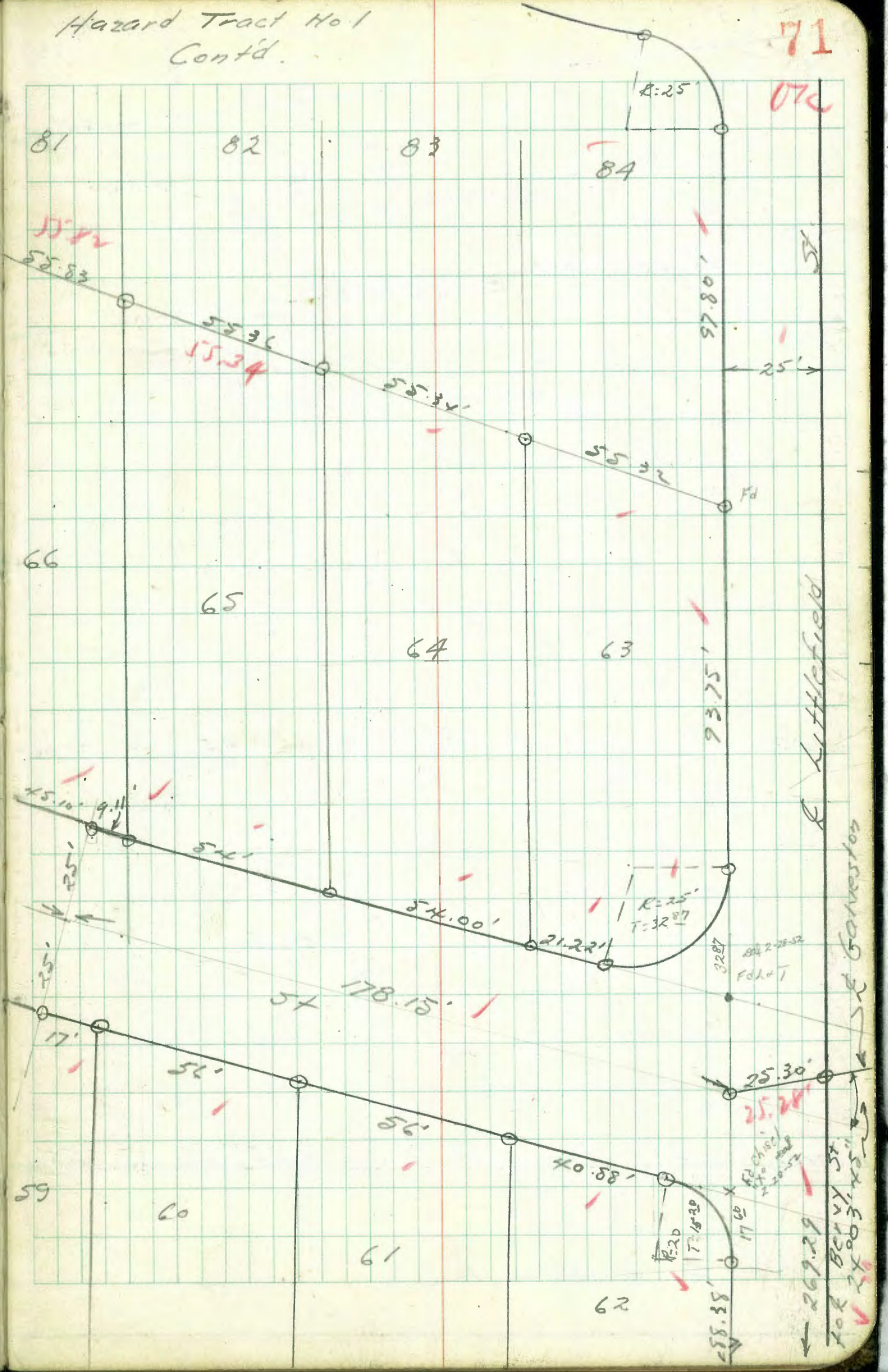
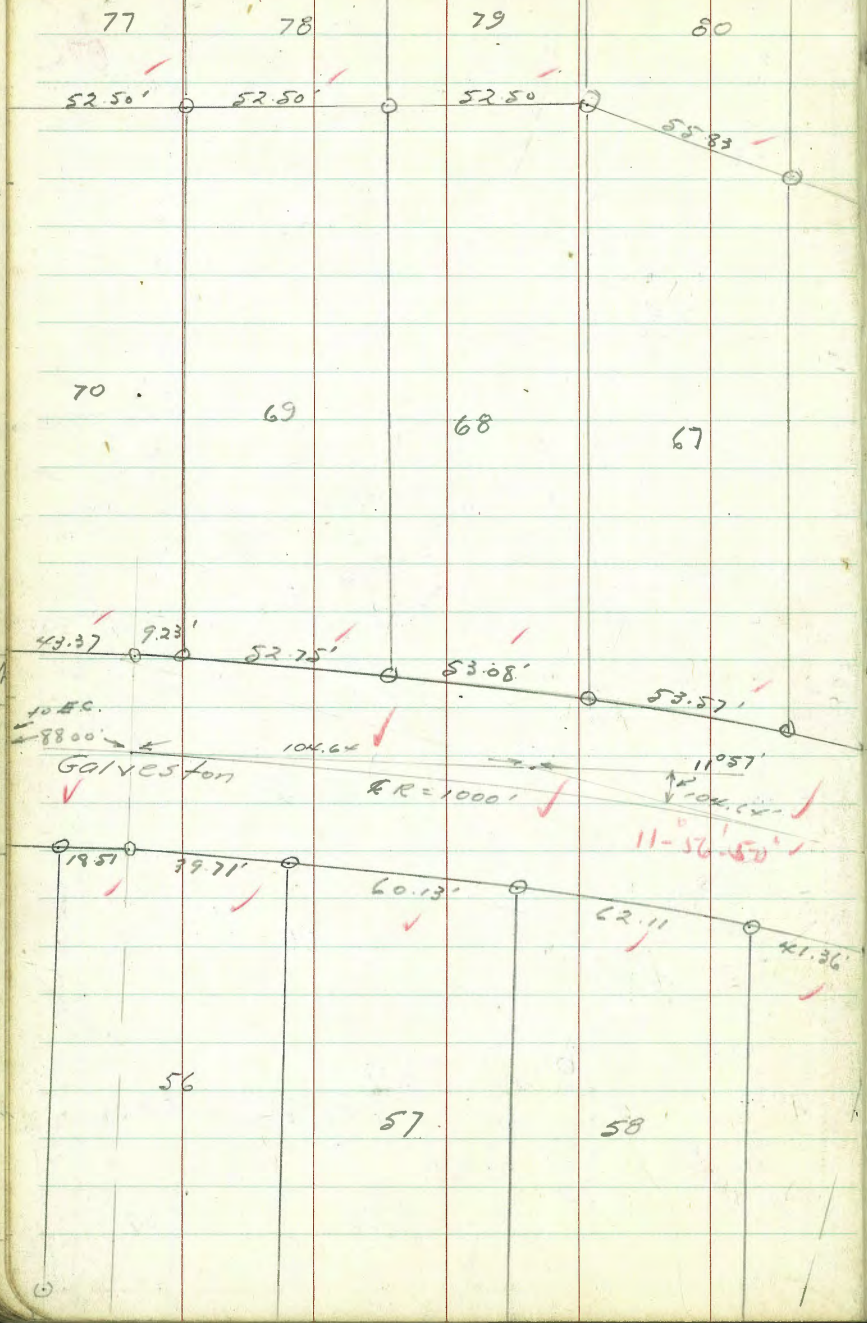
OK 69

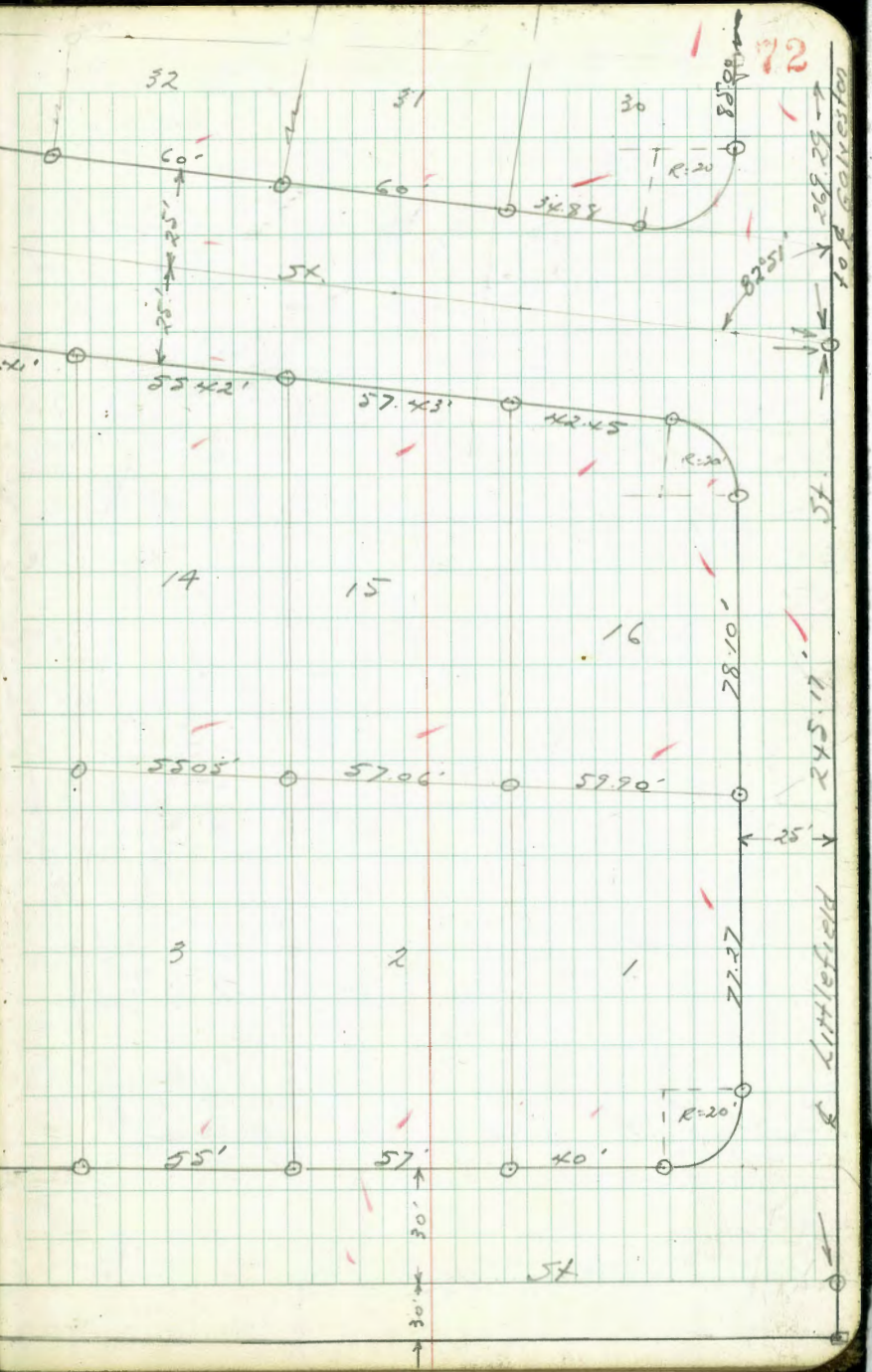
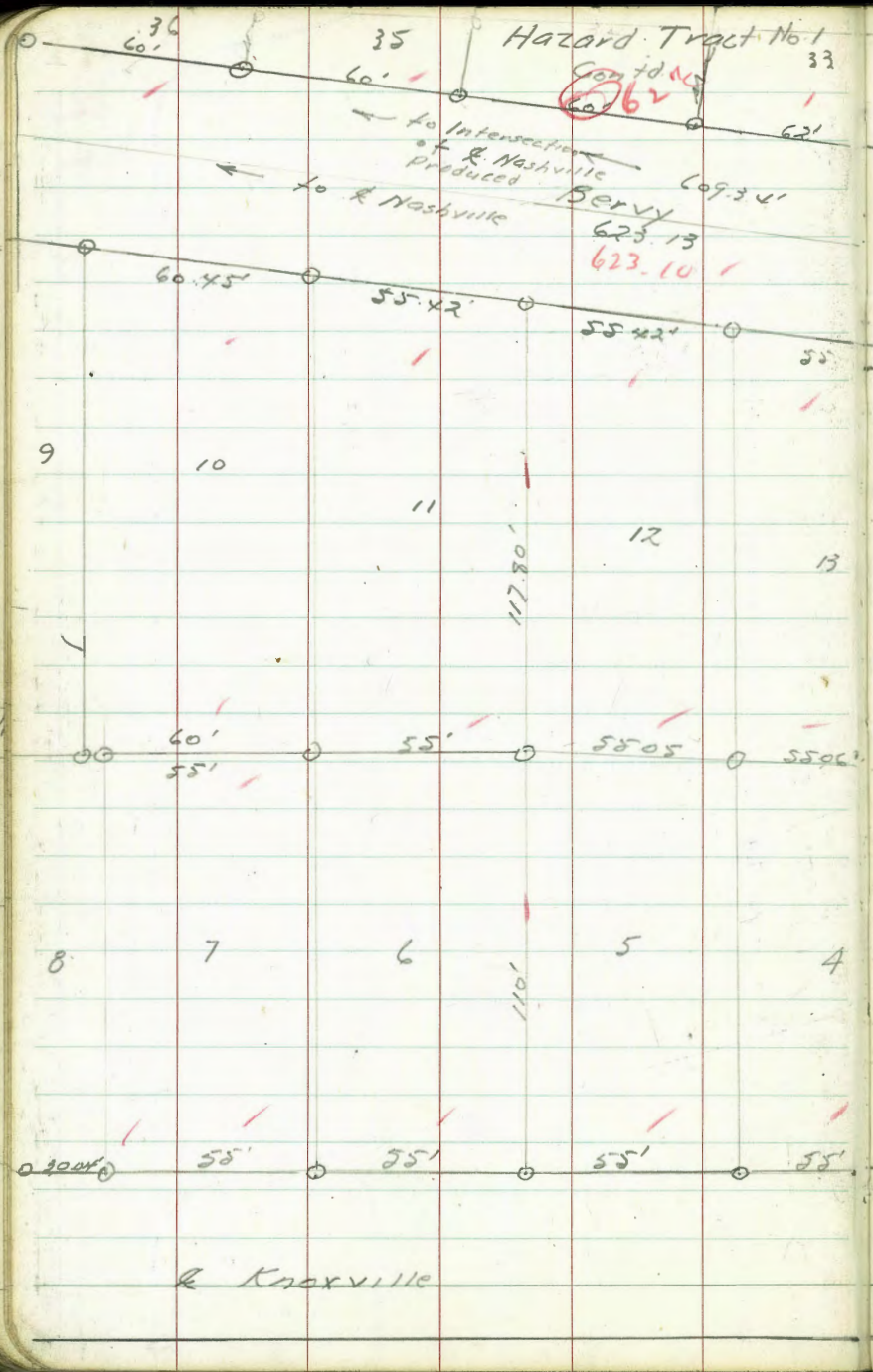


AL Hazard Tract No. 1 49
(Cont'd)



Hazard Tract No 1
Cont'd.





Survey to check Alley lines + encroachments in 15' Alley in Catalina Terrace - Map - 1883

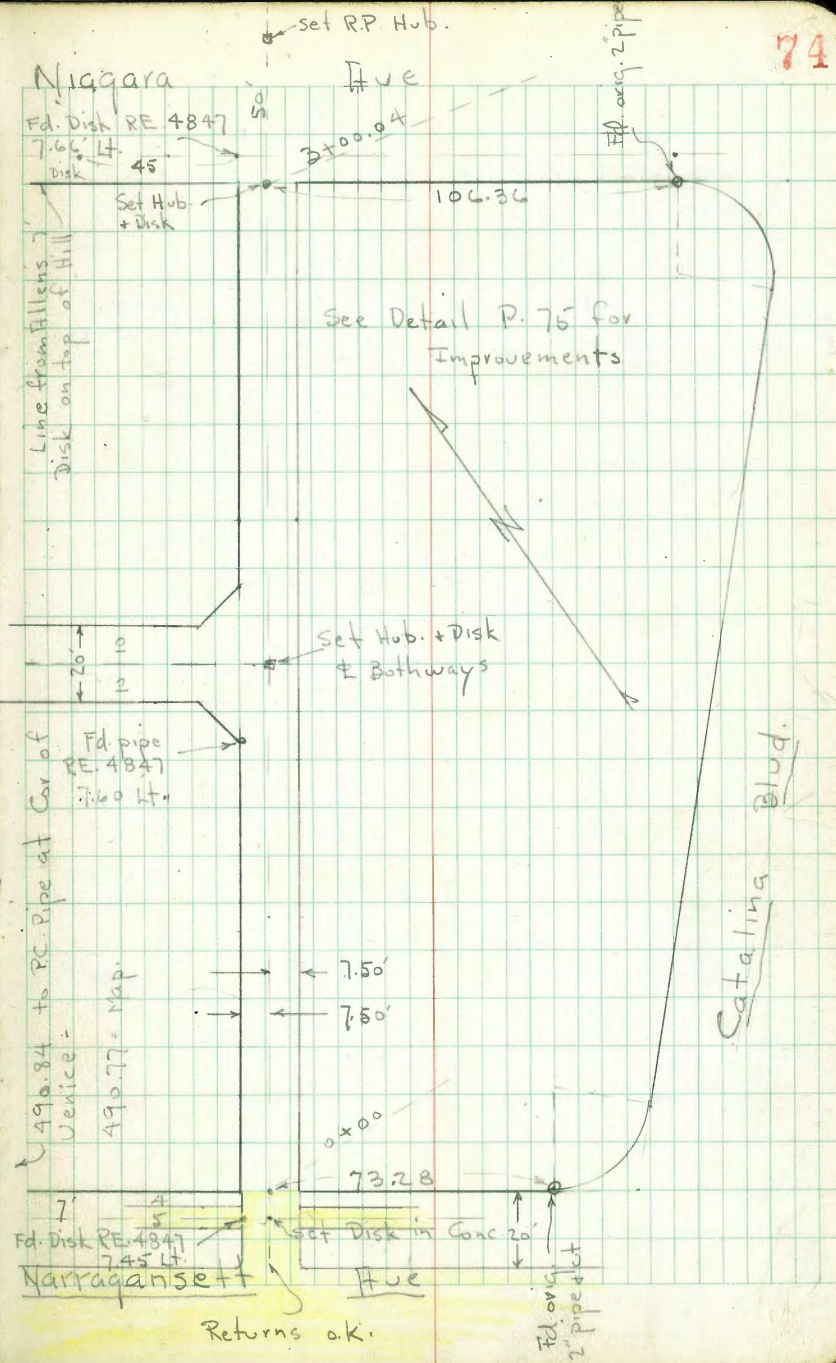
W.O. 20006

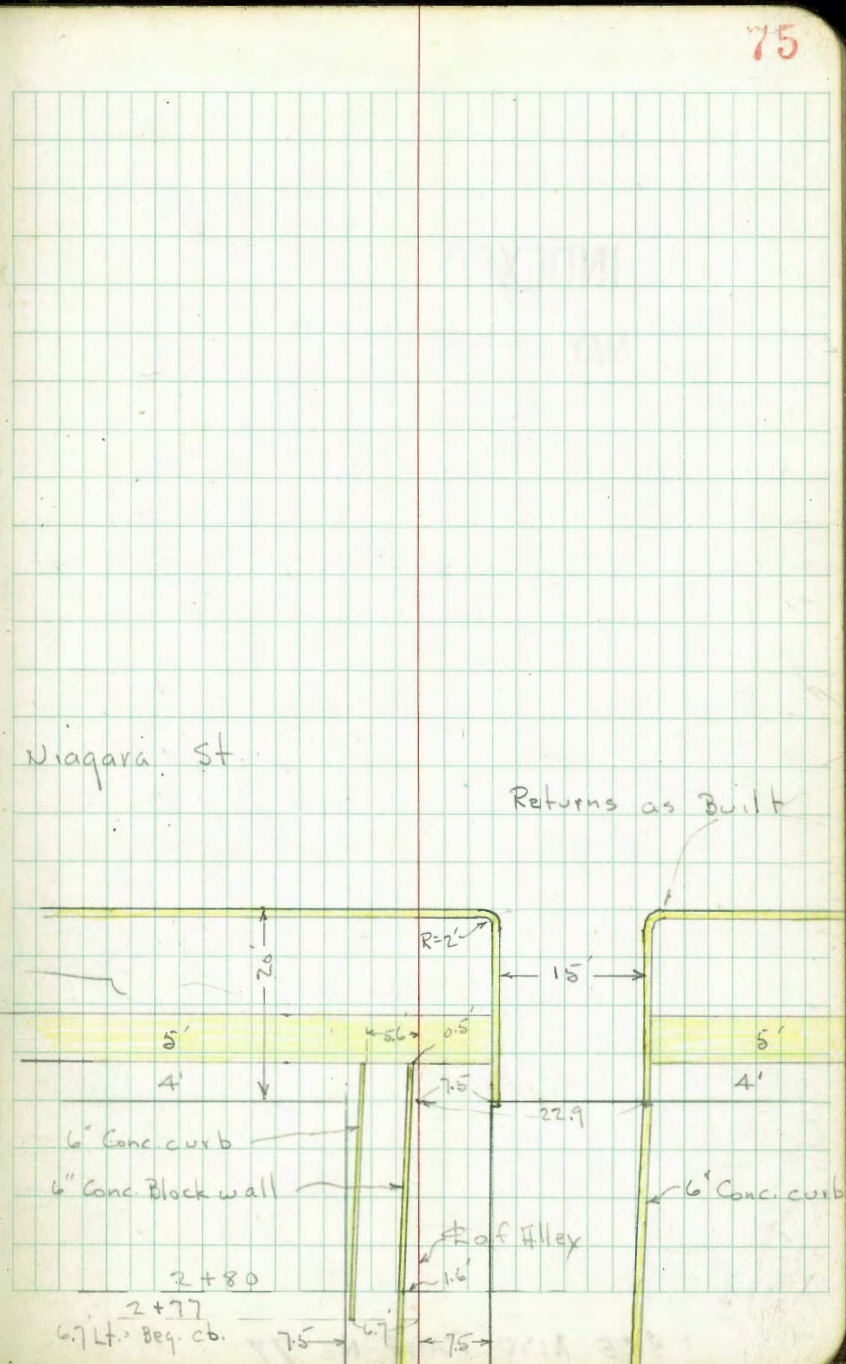
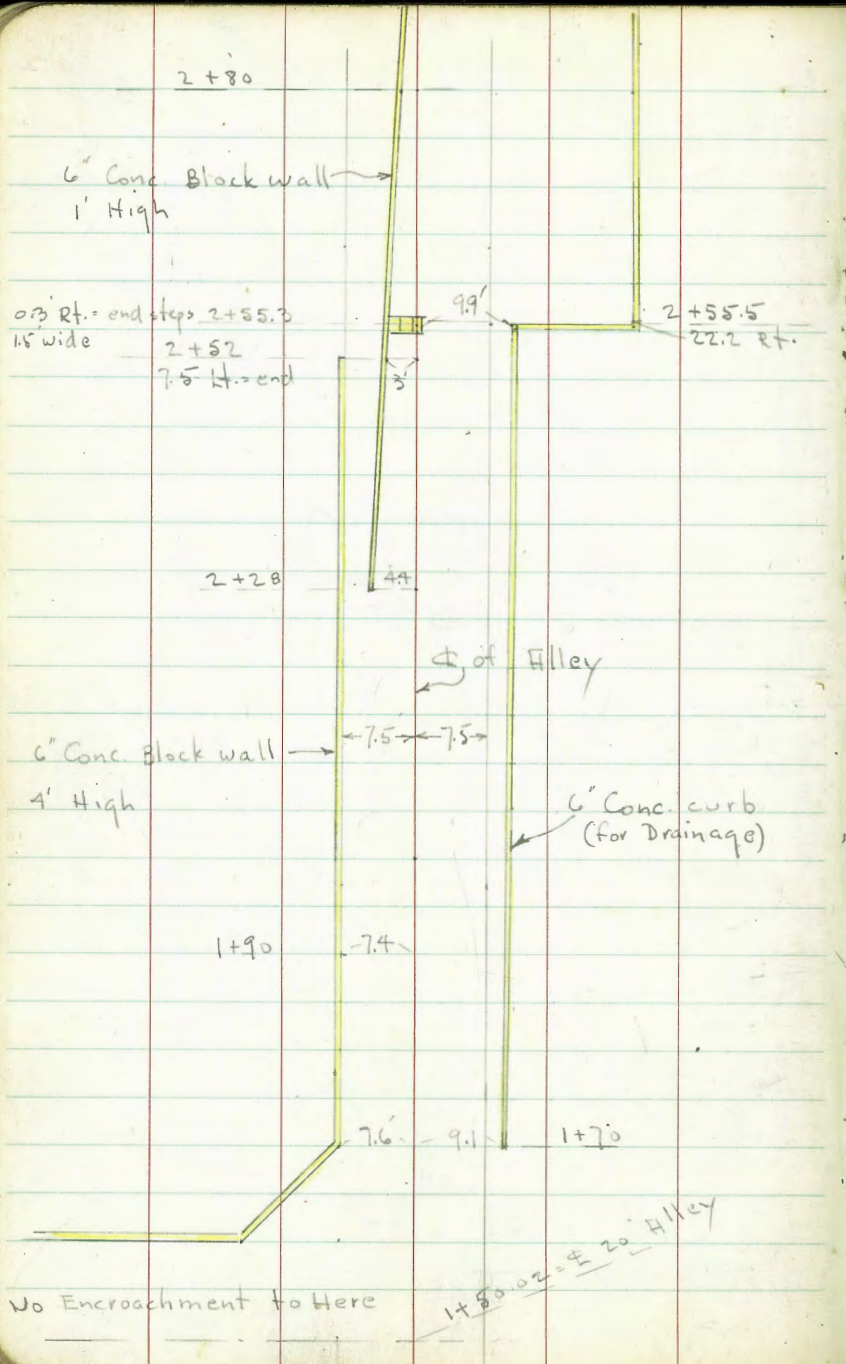
12-12-49

Clear - Cool

Osborne
Hardin
Hatch
Shepard

INDEXED
W.K.
DEC 13 1949





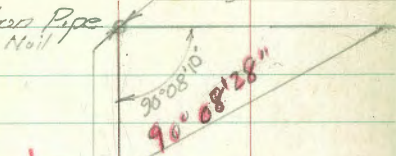
SHEPARD PARK
Field check of outer Boundary line

Walker
F. Gregory
G. Pope
R. Sisson
1-4-50

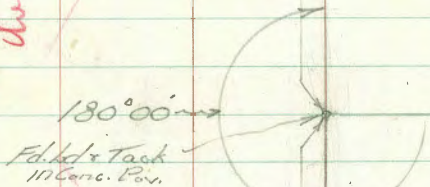
Fd. 2" Iron Pipe
No. 2362
Nail

INDEXED
MK.
MAY 19 1950

Turn
chucks

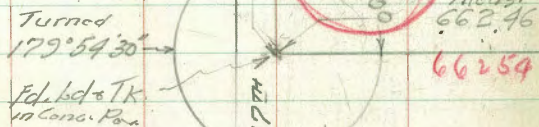


660.95
Meas.
661.19



1321.90
1321.90

660.95
Meas.
660.71



Meas.
662.46
662.54

Fd. hd. & Tail

SEE ALSO PAGE No 77

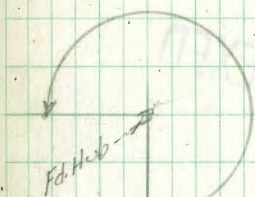
Fd 1382
1383

76

Meas.
1325.31
1324.83



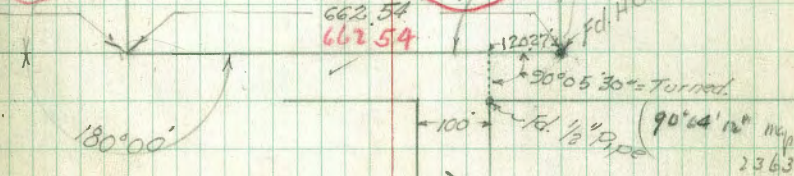
1322.32
1324.22



90° 07' 33"
90° 02"
662.75
661.00

90° 01' 49"
90° 02"

Meas.
662.54
662.54



Federal

Blvd.
Fd. hd. Pkg.
& Cap. Foot

SEE ALSO PAGE 77

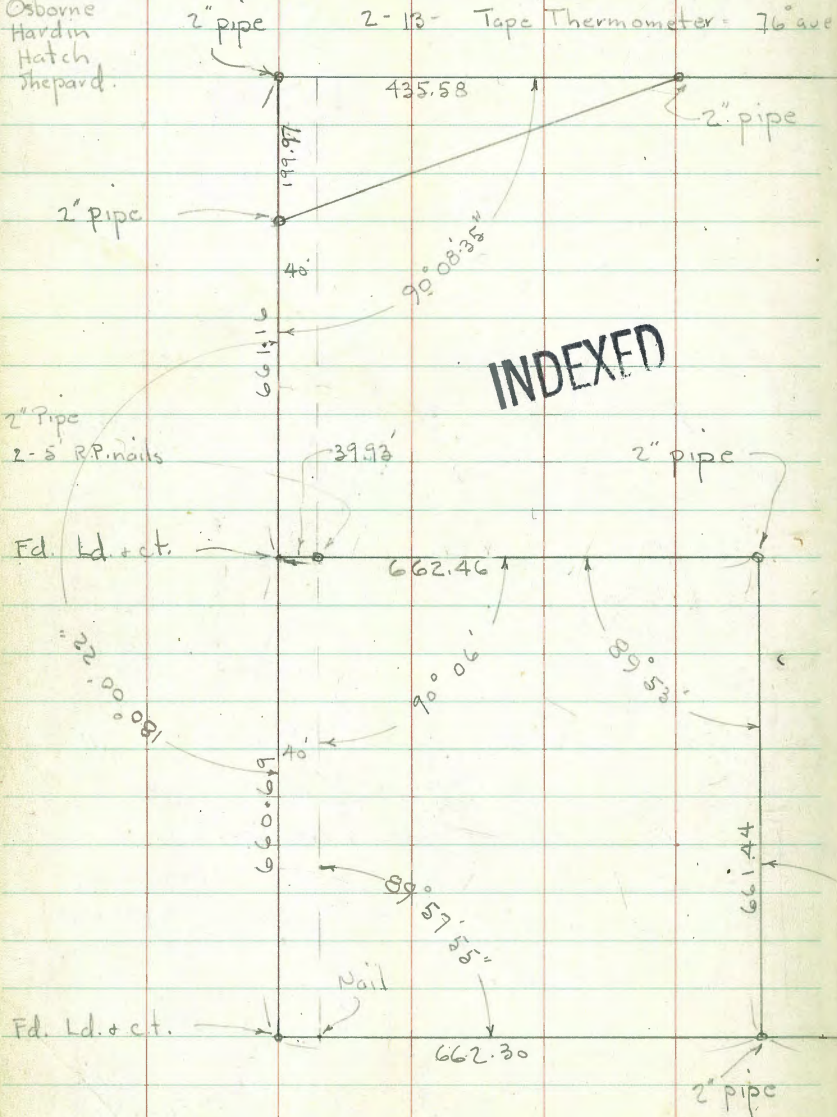
Recheck Boundary of Shepard Park -

2-10-50

Ave Temp = 64° F.

Osborne
Hardin
Hatch
Shepard.

2-13- Tape Thermometer = 76° ave



SEE ALSO PAGE 76

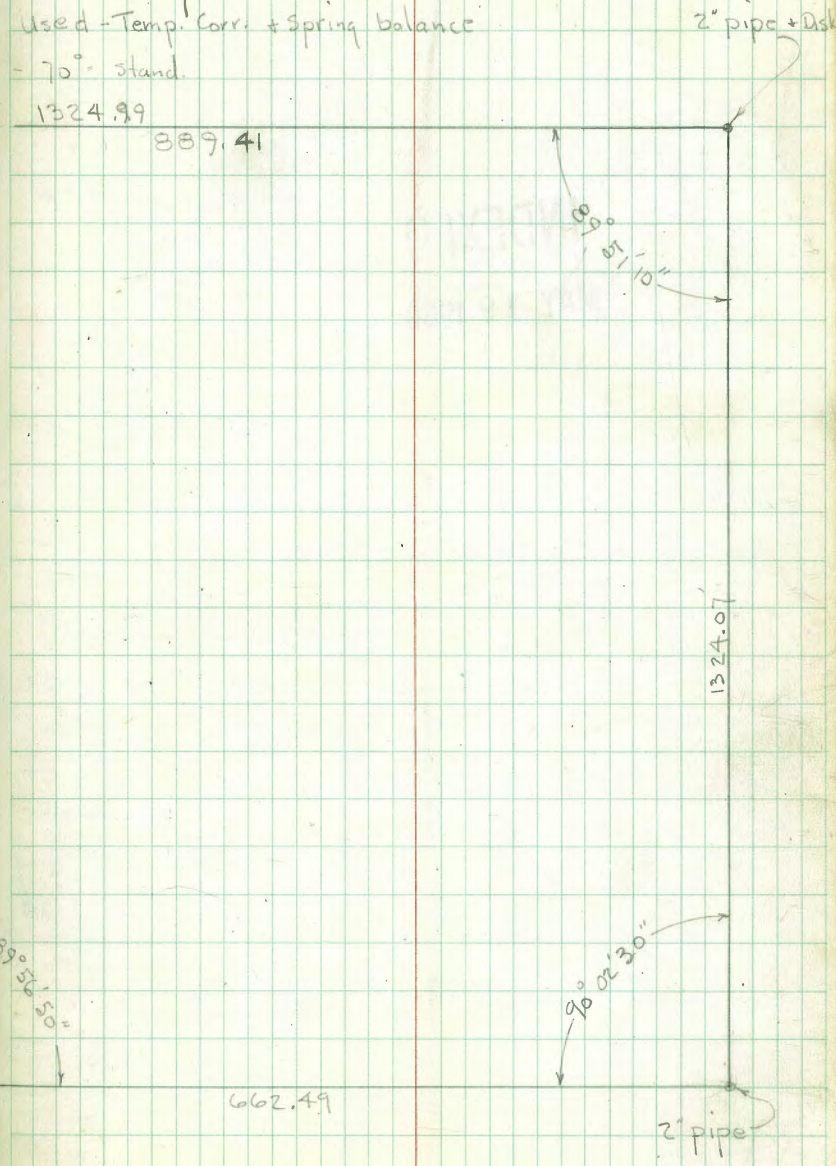
after changes

Used - Temp. Corr. + Spring balance

- 70° stand.

1324.99

889.41



Check Ext. Boundary of Hubner Knolls

4252

W.O. 23132

INDEXED
M.K.
MAY 19 1950

3-16-50

Osborne
Hardin
Hatch
Shepard

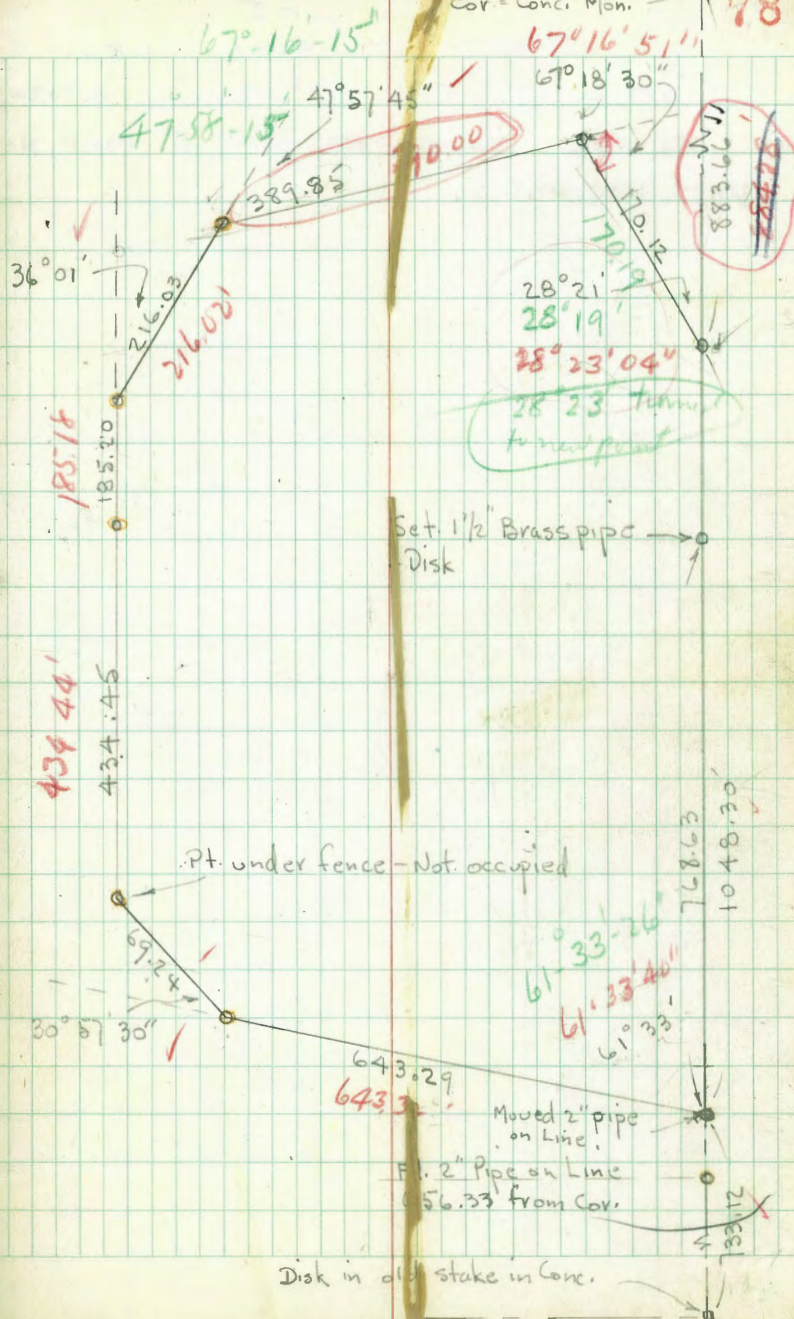
2" pipes on Jackson + Scott Boundary
shown by red circle thus

132-01-41
47-58-11

Lot 25	121.37
24	98.19
23	94.56
22	75.65
4	389.77

Cor = Conc. Mon.

78



UNIT 5

BELVIEW HTS FIELD CHK,

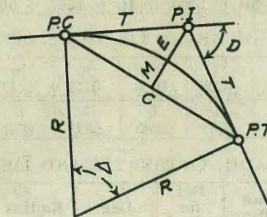
EXT, & INT. OK BY OSBORNE 4-13-50

AS PER BELVIEW HTS UNIT 5 MAP, NOT
YET RECORDED.

79

DIETZGEN'S RAILROAD CURVE AND REDUCTION TABLES

Copyright, 1914, by Eugene Dietzgen Co., New York City



CURVE FORMULAS

- Radius= $R = \frac{50}{\sin \frac{D}{2}}$ (1) Degree of Curve= D and $\sin \frac{D}{2} = \frac{50}{R}$ (2)
- Tangent= $T = R \tan \frac{\Delta}{2}$ (3) Length of Curve= $L = 100 \frac{\Delta}{D}$ (4)
- Middle ordinate= $M = R(1 - \cos \frac{\Delta}{2}) = R \text{vers} \frac{\Delta}{2}$ (5)
- External= $E = T \tan \frac{\Delta}{4} = R \div \cos \frac{\Delta}{2} - R$ (6) $= R \text{exsec} \frac{\Delta}{2}$ (9)
- Long Chord= $C = 2 R \sin \frac{\Delta}{2}$ (10) Δ = Central Angle

EXPLANATION AND USE OF TABLES

Stations.—Given P. I. = Sta. 161 + 60.35 to find Sta. of P. C. and P. T. $\Delta = 62^\circ 10'$ $D = 8^\circ 20'$. From Table IV for 1° curve $T = 3454.1$ and $\div 8\frac{1}{3} = 414.49$ ft. From Table V correction = .36 or $T = 414.85$ ft. P. C. = Sta. P. I. - $T = 157 + 45.50$. Also from (4) $L = 746.00$ and P. T. = Sta. P. C. + $L = 164 + 91.50$.

Offsets.—Tangent offsets vary (approximately) directly with D and with square of the distance. Thus tangent offset for Sta. 158 on above curve is 2.16 ft. found as follows. From Table III tangent offset for 100 ft. = 7.27 ft. Distance = 158 - Sta. P. C. = 54.50, hence offset = $7.27 (54.50 \div 100)^2 = 2.16$ ft. Also square of any distance divided by twice the radius equals (approximately) the distance from tangent to curve. Thus $(54.50)^2 \div (2 \times 688.26) = 2.16$ ft.

Deflections.—Deflection angle = $\frac{1}{2} D$ for 100 ft., $\frac{1}{4} D$ for 50 ft., etc. For c ft. = (in minutes) $.3 \times C \times D^\circ$ or = defl. for 1 ft. from Table III $\times C$. For Sta. 158 of above curve = $.3 \times 54.5 \times 8\frac{1}{3} = 136.2'$ or $2^\circ 16.2'$, or = $2.50 \times 54.5 = 136.2'$ from Table III. For Sta. 159 deflection angle = $2^\circ 16.2' + 8^\circ 20' \div 2 = 6^\circ 26.2'$, etc.

Externals.—May be found in similar manner to tangents. Thus E for curve above is 115.37. For from Table IV for 1° curve $E = 960.6$ for $8^\circ 20' = 960.6 \div 8\frac{1}{3} = 115.27$ and from Table V correction = .10 or $E = 115.37$ ft. Or suppose $\Delta = 32^\circ$ and E is measured and found to be 42 ft. What is D ? From Table IV $E = 230.9$ and $\div 42 = 5.5$ or $D = 5^\circ 30'$.

TABLE VI.—CORRECTIONS FOR SUB-CHORDS AND LONG CHORDS.

Table with columns for 'FOR SUB-CHORDS ADD' and 'LONG CHORDS'. The sub-chord section includes columns for angles from 4 to 60 degrees and 10-foot increments. The long chord section includes columns for lengths from 1 to 60 feet. Values represent corrections in feet per 100 feet of chord.

NOTE.—When a chord of less than 100 ft. is used the corrections given in the above table should be added to the nominal length of chord to get the length which should be used in order that the 100 ft. points will check with those obtained by using the standard 100 ft. chord.

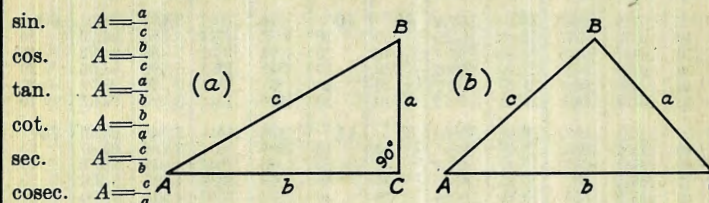
TABLE VII.—MIDDLE ORDINATES FOR RAILS IN FEET.

Table showing middle ordinates for rails in feet. It is organized by degree of curve (4 to 30) and length of rails (32, 30, 28, 26, 24, 22, 20 feet). Values are listed in feet.

SLOPE REDUCTIONS.

When distances are measured on a slope that may be reduced to the equivalent horizontal distance by the following approximate rule:—subtract from the slope distance the square of the rise divided by twice the slope distance.

TRIGONOMETRICAL FORMULAS.



FORMULA FOR SOLVING TRIANGLES.

- Given Sought. Right triangles. See fig. (a).
a, c A, B, b sin. A = a/c, cos. B = a/c, b = sqrt((c+a)(c-a))
a, b A, B, c tan. A = a/b, cot. B = a/b, c = sqrt(a^2 + b^2)
A, a B, b, c B = 90 - A, b = a cot. A, c = a / sin. A
A, b B, a, c B = 90 - A, a = b tan. A, c = b / cos. A
A, c B, a, b B = 90 - A, a = c sin. A, b = c cos. A
Oblique triangles. See fig. (b)
A, B, a b b = (a sin. B) / sin. A
A, a, b B sin. B = (b sin. A) / a
a, b, C A - B tan. 1/2 (A - B) = (a - b) tan. 1/2 (A + B) / (a + b)
c, b, c A { If s = 1/2 (a + b + c), sin. 1/2 A = sqrt((s-b)(s-c)/bc)
cos. 1/2 A = sqrt(s(s-a)/bc), tan. 1/2 A = sqrt((s-b)(s-c)/s(s-a))
sin. A = 2 * sqrt(s(s-a)(s-b)(s-c)) / bc
A, B, C, a area area = (a^2 sin. B sin. C) / (2 sin. A)
A, b, c area area = 1/2 bc sin. A
a, b, c area s = 1/2 (a + b + c), area = sqrt(s(s-a)(s-b)(s-c))

110
3-50
1 55

H
0
1
2
3
4
5
6
7
8
9
0
1
2
3
4
5
6
7
8
9

39-50-40
 7680
 6285
 5585
 12270
 13526
 24579.6
 69.54
 78.07
 167.91
 5.98
 161.83
 34.01
 5.74
 40.81
 53.31
 10.34
 37.97
 56.96
 96.24
 96.62
 96.54
 97
 00-85-68
 000-25-65519
 25661

McCoy Pd. 3.00 dues.
 Allen Pd. 3.00 dues
 Sisson Pd. 3.00 dues.
 2921
 7680
 10601
 11501
 5304
 22205
 6190
 10015
 6190
 90-1-25
 150-1-25
 90-1-30
 9612
 22817
 17959.60
 894530
 22367
 5-10-30
 10-28-30
 5-09-25
 75-36-20
 151-13-20
 75-36-45
 75-36
 151

R-8138

DISTANCES FROM CENTER OF ROADWAY FOR
 CROSS-SECTIONING.

Roadway 16 feet wide. Side Slopes 1 on 1½
 For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.2	8.3	8.5	8.6	8.8	8.9	9.1	9.2	9.4	0
1	9.5	9.7	9.8	10.0	10.1	10.3	10.4	10.6	10.7	10.9	1
2	11.0	11.2	11.3	11.5	11.6	11.8	11.9	12.1	12.2	12.4	2
3	12.5	12.7	12.8	13.0	13.1	13.3	13.4	13.6	13.7	13.9	3
4	14.0	14.2	14.3	14.5	14.6	14.8	14.9	15.1	15.2	15.4	4
5	15.5	15.7	15.8	16.0	16.1	16.3	16.4	16.6	16.7	16.9	5
6	17.0	17.2	17.3	17.5	17.6	17.8	17.9	18.1	18.2	18.4	6
7	18.5	18.7	18.8	19.0	19.1	19.3	19.4	19.6	19.7	19.9	7
8	20.0	20.2	20.3	20.5	20.6	20.8	20.9	21.1	21.2	21.4	8
9	21.5	21.7	21.8	22.0	22.1	22.3	22.4	22.6	22.7	22.9	9
10	23.0	23.2	23.3	23.5	23.6	23.8	23.9	24.1	24.2	24.4	10
11	24.5	24.7	24.8	25.0	25.1	25.3	25.4	25.6	25.7	25.9	11
12	26.0	26.2	26.3	26.5	26.6	26.8	26.9	27.1	27.2	27.4	12
13	27.5	27.7	27.8	28.0	28.1	28.3	28.4	28.6	28.7	28.9	13
14	29.0	29.2	29.3	29.5	29.6	29.8	29.9	30.1	30.2	30.4	14
15	30.5	30.7	30.8	31.0	31.1	31.3	31.4	31.6	31.7	31.9	15
16	32.0	32.2	32.3	32.5	32.6	32.8	32.9	33.1	33.2	33.4	16
17	33.5	33.7	33.8	34.0	34.1	34.3	34.4	34.6	34.7	34.9	17
18	35.0	35.2	35.3	35.5	35.6	35.8	35.9	36.1	36.2	36.4	18
19	36.5	36.7	36.8	37.0	37.1	37.3	37.4	37.6	37.7	37.9	19
20	38.0	38.2	38.3	38.5	38.6	38.8	38.9	39.1	39.2	39.4	20
21	39.5	39.7	39.8	40.0	40.1	40.3	40.4	40.6	40.7	40.9	21
22	41.0	41.2	41.3	41.5	41.6	41.8	41.9	42.1	42.2	42.4	22
23	42.5	42.7	42.8	43.0	43.1	43.3	43.4	43.6	43.7	43.9	23
24	44.0	44.2	44.3	44.5	44.6	44.8	44.9	45.1	45.2	45.4	24
25	45.5	45.7	45.8	46.0	46.1	46.3	46.4	46.6	46.7	46.9	25
26	47.0	47.2	47.3	47.5	47.6	47.8	47.9	48.1	48.2	48.4	26
27	48.5	48.7	48.8	49.0	49.1	49.3	49.4	49.6	49.7	49.9	27
28	50.0	50.2	50.3	50.5	50.6	50.8	50.9	51.1	51.2	51.4	28
29	51.5	51.7	51.8	52.0	52.1	52.3	52.4	52.6	52.7	52.9	29
30	53.0	53.2	53.3	53.5	53.6	53.8	53.9	54.1	54.2	54.4	30
31	54.5	54.7	54.8	55.0	55.1	55.3	55.4	55.6	55.7	55.9	31
32	56.0	56.2	56.3	56.5	56.6	56.8	56.9	57.1	57.2	57.4	32
33	57.5	57.7	57.8	58.0	58.1	58.3	58.4	58.6	58.7	58.9	33
34	59.0	59.2	59.3	59.5	59.6	59.8	59.9	60.1	60.2	60.4	34
35	60.5	60.7	60.8	61.0	61.1	61.3	61.4	61.6	61.7	61.9	35
36	62.0	62.2	62.3	62.5	62.6	62.8	62.9	63.1	63.2	63.4	36
37	63.5	63.7	63.8	64.0	64.1	64.3	64.4	64.6	64.7	64.9	37
38	65.0	65.2	65.3	65.5	65.6	65.8	65.9	66.1	66.2	66.4	38
39	66.5	66.7	66.8	67.0	67.1	67.3	67.4	67.6	67.7	67.9	39
40	68.0	68.2	68.3	68.5	68.6	68.8	68.9	69.1	69.2	69.4	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 41.9. For same slopes but other widths of roadbed correct above figures by one-half difference in width of roadbed; thus in example above for 20 ft. roadbed distance will be 41.9+(20-16)+2 or 2 ft. added to 41.9 = 47.9. For slopes of 1 on 1 see inside of front cover.