

NAME Fort Mount Ave Est

Class _____ Course _____ Party Sub 170

Alignment - from Helena National City to
East San Diego.

165

1895

FIELD NOTES

No. 403P

ESPECIALLY ADAPTED

TO THE USE OF

ENGINEERING STUDENTS

EUGENE DIETZGEN Co.

MANUFACTURERS

DRAWING MATERIALS

MATHEMATICAL AND SURVEYING INSTRUMENTS

MEASURING TAPES

CHICAGO SAN FRANCISCO NEW YORK
NEW ORLEANS PITTSBURGH

FAIRMOUNT AVE. EXT.

From

N'y Line National City

to

East San Diego -

Job # 124

Return to.

Watson, Valle & Gough Inc.

508 Spreckels Bldg.

San Diego, Calif.

MICROFILMED

DEC 30 1964

INDEX -

FAIRMOUNT AVE SURVEY -

Location Alignment

0+00 to 203+93.60

Reference Points - - - - -

PAGE.

1 - 31

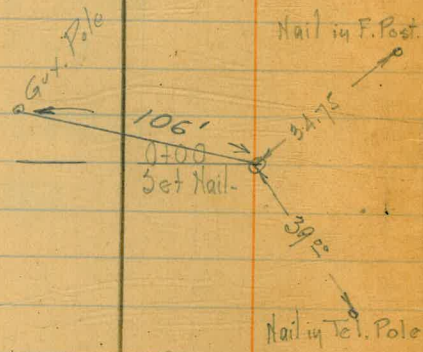
32 -

Sta. Dist. Angle Az. Def. Ties

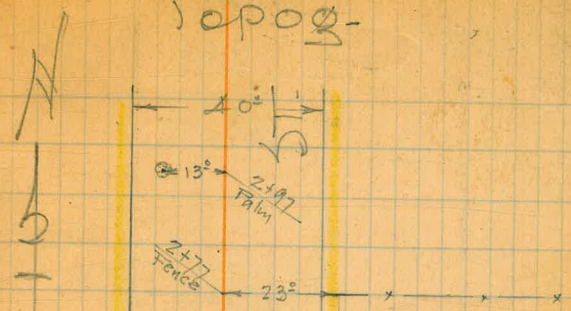
All azimuths turned clockwise from back sight.

676.30

0+00

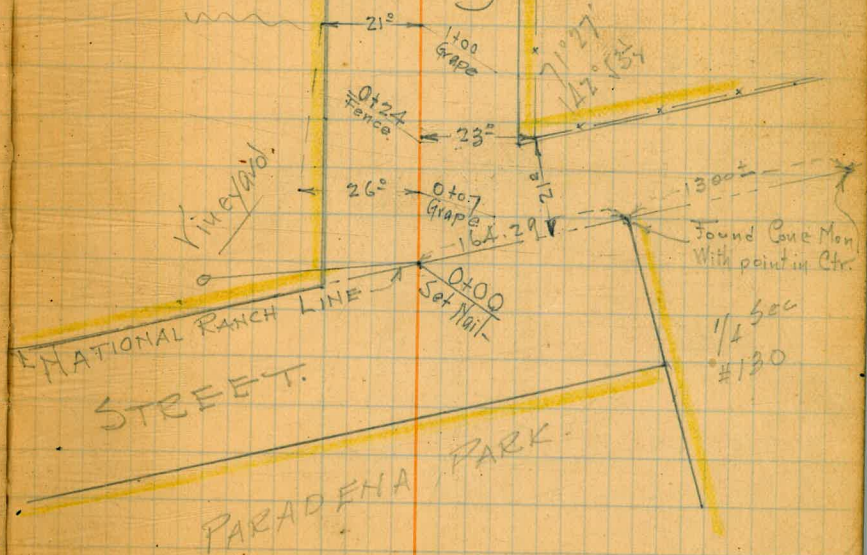


Topog-



Coote
Cliffen
Burk.

UPPER



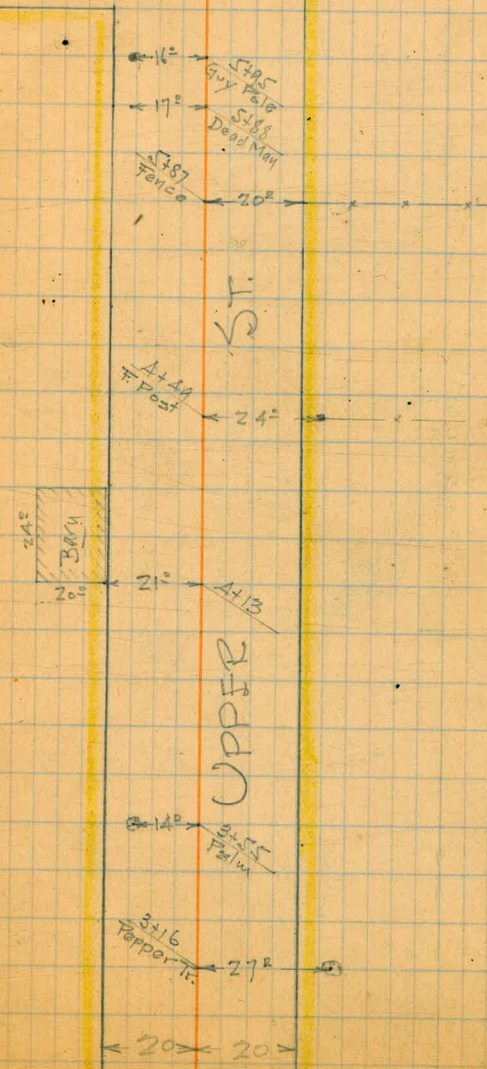
Sta Dist Angle Az Def ± Ties

446.88
POT

676.30

2

FISHER ST.



Sta. Dist. Angle Az. Def. ± Ties-

3

2801.97

6+76.30
F.I.

179°56'
354°52½'

0°04'

Nail in Pole 15.90

6+76.30
Set Nail

30.90
Nail in Pole

FISHER ST.

ST.

8+34
10.5

Sta 8+34
24" C.M.P.
In Place -
Good Condition
Size OK.

UPPER

20°
7+28
Fence

7+16
20°

7+02
Tel. Pole 16°

6+43
Dead Pin 17°

6+29
Anchor Post 18°

Find 3/4 Pipe 15°
6+78
Pole

20°
6+76.40
6+69
Water Meter 15°

20

Sta.

Dist

Angle
Az.

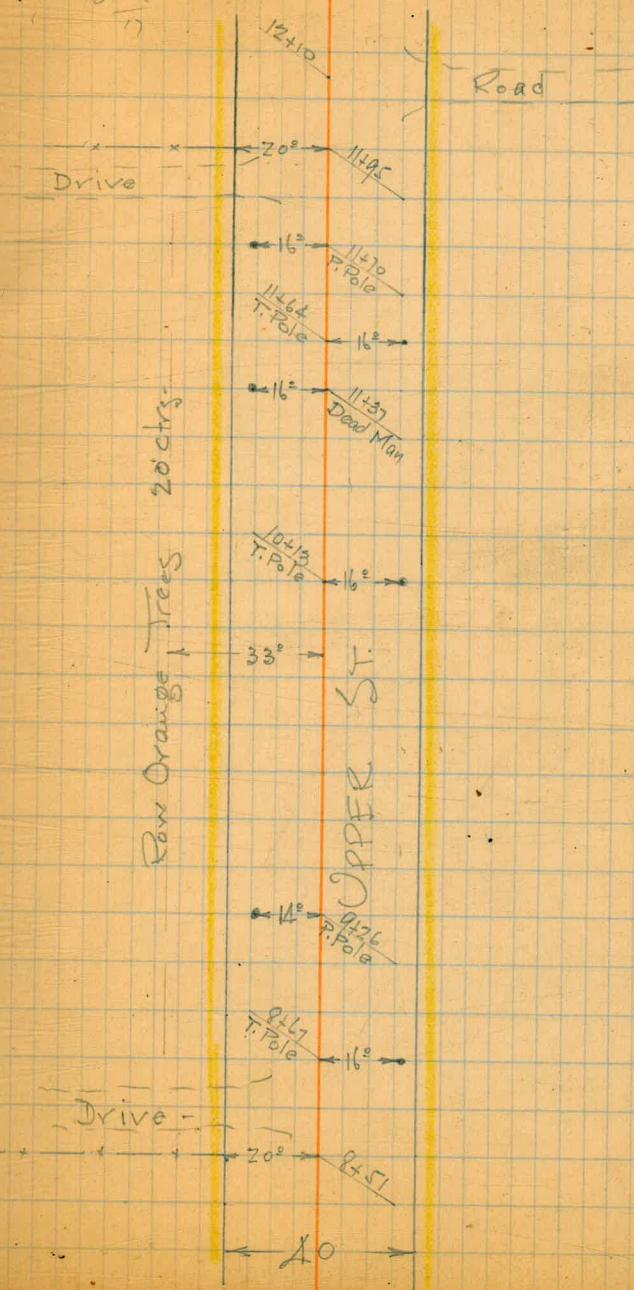
Def.

Ties

280197

13+08
17

✓



Sta.

Dist.

Angle
Az.

Def.

± Ties:

5

17+50
P.O.T.

15+91.10
P.O.T.

15+09.25
P.O.T.

2801.97

15+91.10 Set Nail-

15+09.25 Set Nail-

31.301
Nail in P.Pole

23.50
Set 2x2 Hub

STREET



Sta. Dist

Angle
Az. Def.

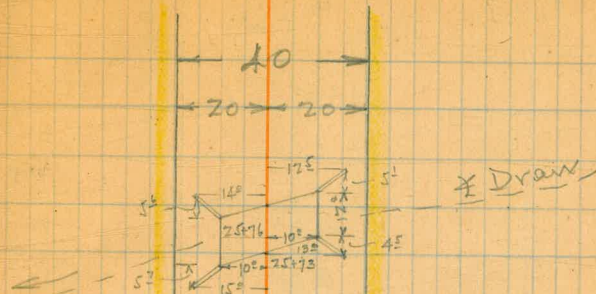
± Ties.

6

Wooden Bridge -

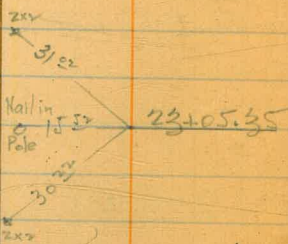
8 Piles 9x9
2 Caps 9x9x20
11 Stringers 3x12x12
Deck 3x12x20

Old Bridge -



23+05.35
P.O.T.

280197

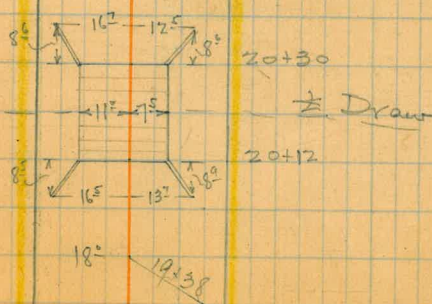


Wooden Bridge
Sta. 20+21

8 Piles 9x14
2 Cap 9x9x18'6"
10 Stringer 3x14x16'9"
Deck 3x12x19

Channel Area = 60 m²

Bridge New



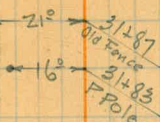
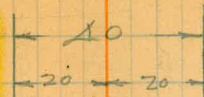
Sta Dist Angle
 Az. Def. ± Ties-

28+66.75

2801.97

7

Row of Gun Traps



ST

Install 18" Pipe
 Sta. 30+50

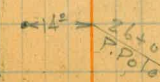
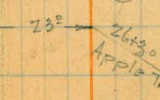


Install 18" Pipe

Row of Trees 15' Ctr.



ORDER



Sta.	Dist	Angle Az. Des.	Ties
------	------	-------------------	------

42+10.15 P.I.	X	179°56' 359°51'	0°04' Lt.
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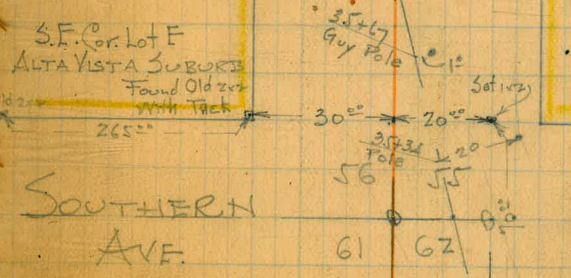
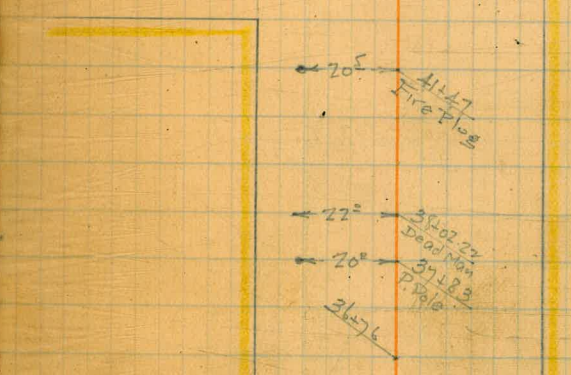
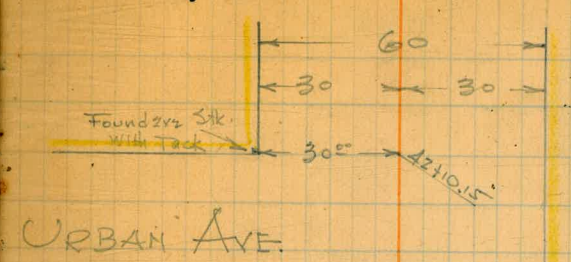
610.20

35+99.95 P.I.	X	189°35' +19°10'	9°35' R.
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121.68

34+78.27 P.I.	X	170°37' 341°14'	9°23' Lt.
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Nail in Pole
15.6
34+78.27
Set Nail
42.6
Nail in Gum Tree



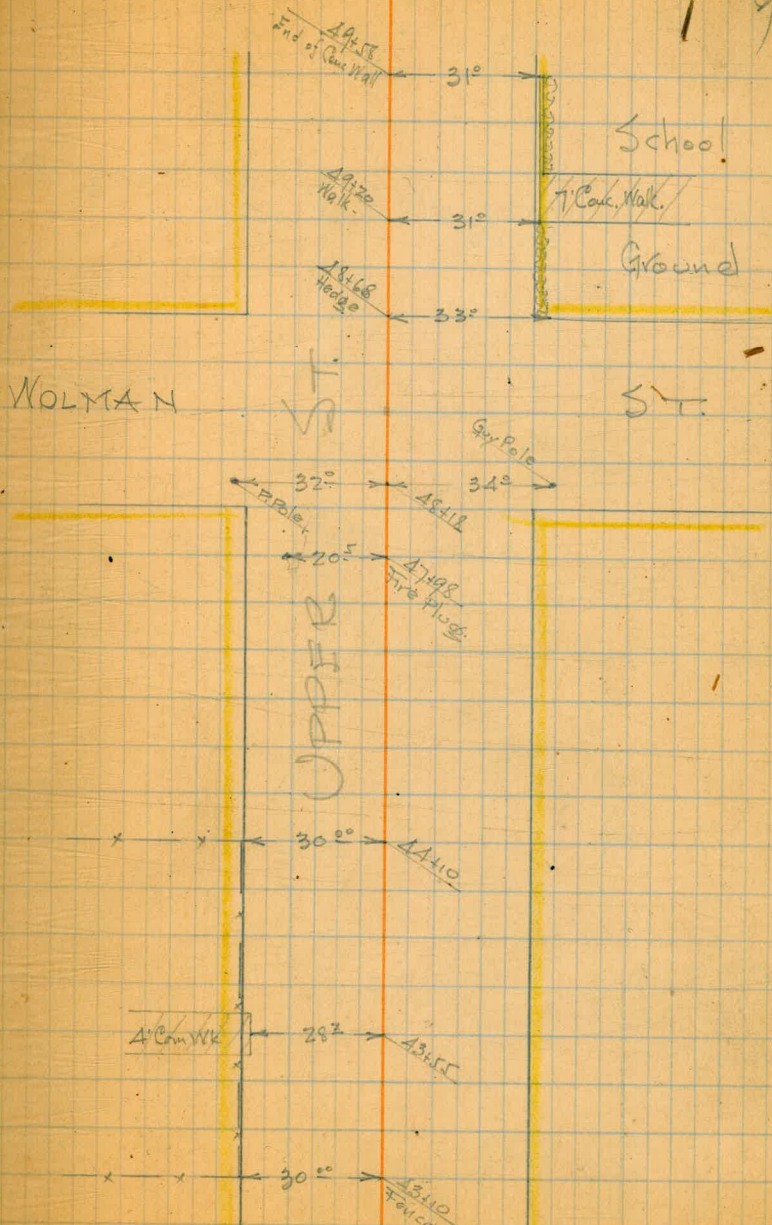
Sta. Dist. Angle Az. Def. Ties-

1326.60

WOLMAN

UPPER

ST.



School

Can Wall

Ground

Gay Pole

FPole

Fire Plug

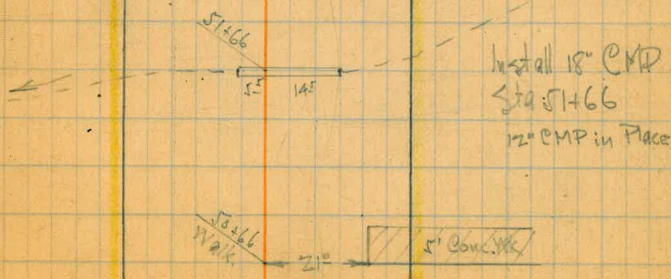
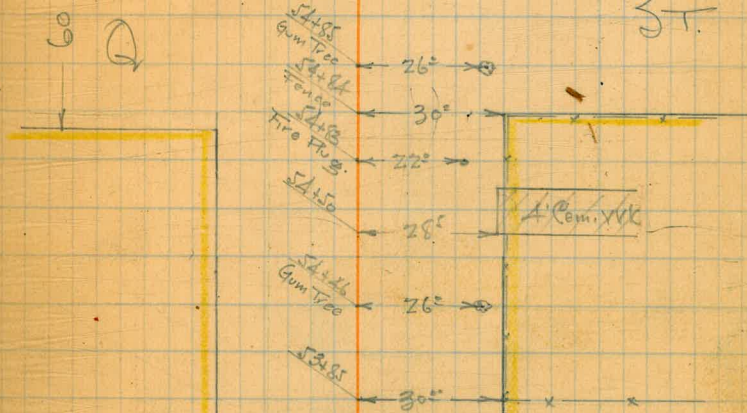
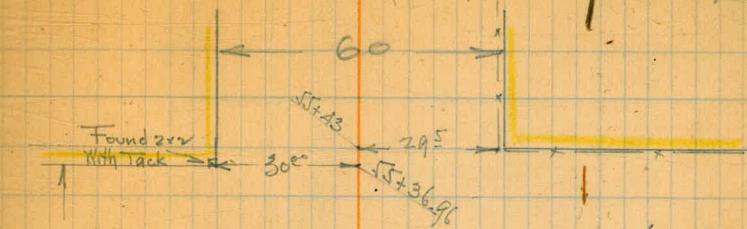
Can Wall

Fence

Sta.	Dist	Angle	Ties-
		Az. Def.	

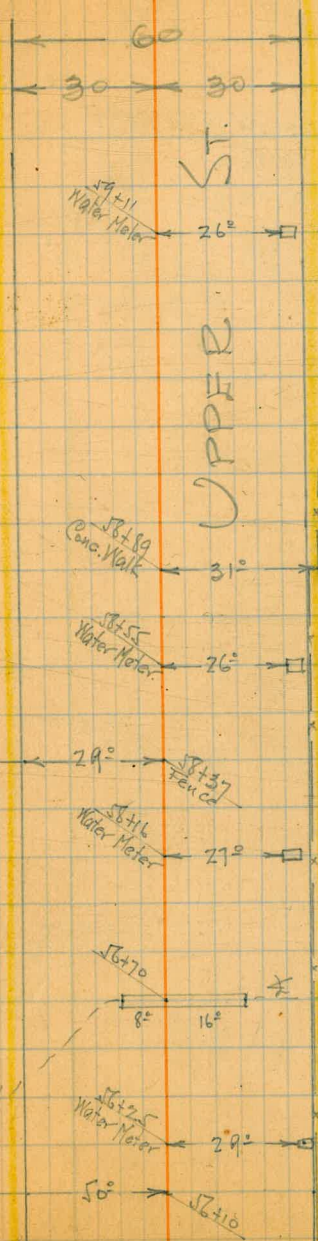
55+36.75 P.I.	180° 02' 360° 03 1/2	0° 02' Rt.	55+36.75 Set Nail - 30.54 → Nail in #5 Post 60.75 ↘ Nail in #Post.
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1326.60



Sta. Dist. Angle Az. Def. Ties-

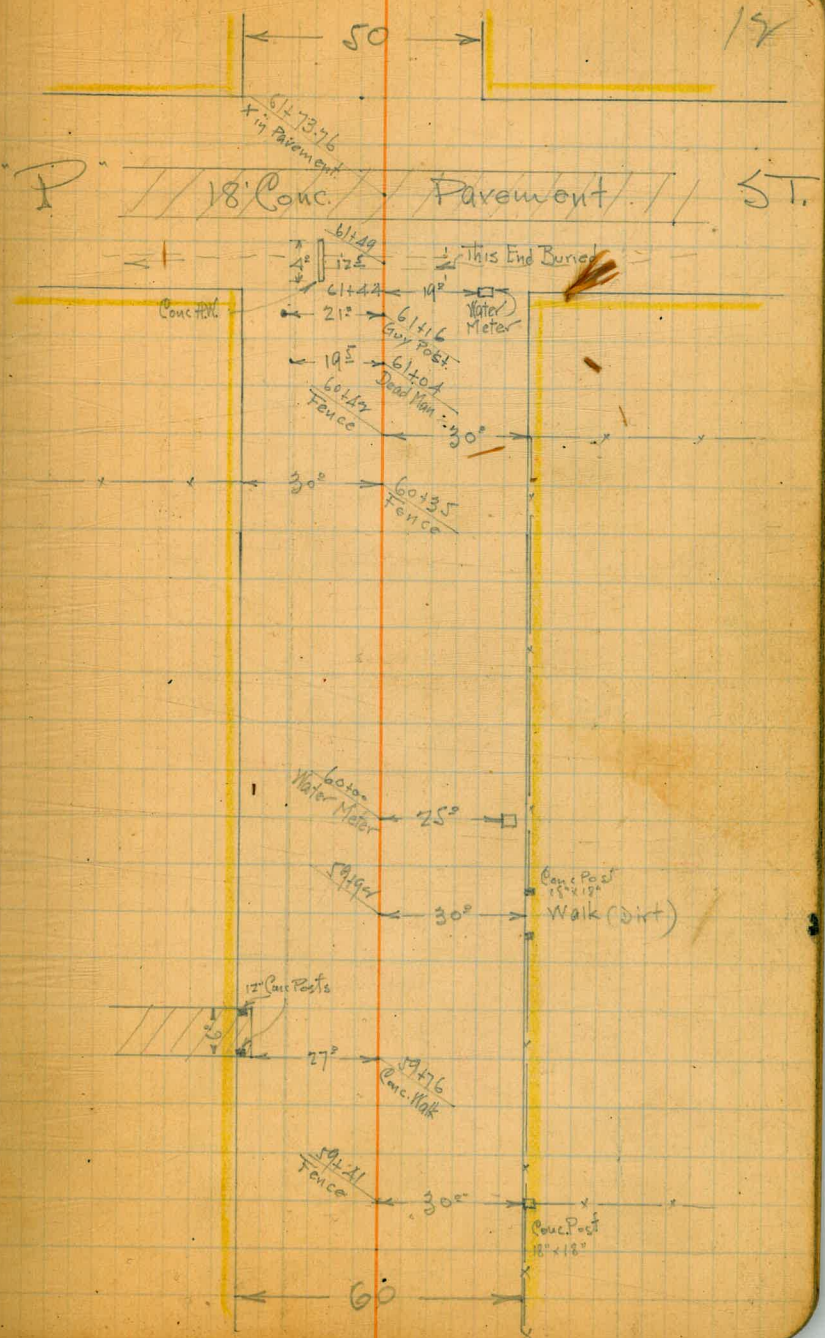
637.01



Install 24" C.M.P.
Sta 56+70
15" C.M.P. in Place
Too small -
Good Condition -

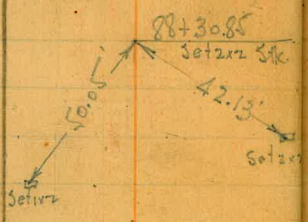
Sta.	Dist.	Angle Az. Def.	* Ties -
26+56.59 61+73.76 Pt. ↓	↑ ↓	179°59' 359°58'	0°01' Lt. X in Chr. Pavement
			31.80 37.30

637.01



Sta.	Dist.	Angle	Ties
		Az. Def	

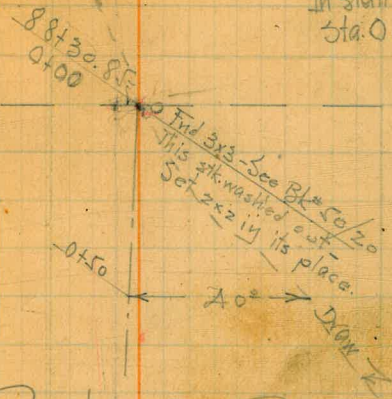
88+30.85 0+00	↑	179°38'	0°22' Lt.
	↓	359°17'	



~~MARKET ST.~~

89°55'

Install 36" CMP
Sta. 0+00



See Book # 50, Pg. 20+21

13+24.37
P.I.

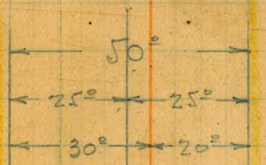
1332.22

26+56.59
61+73.76
P.I.

13+24.37
Bk 50/21

0°10' Lt

0°10' Rt - ?



IMPERIAL

AVE.



Sta.	Dist.	Angle Az.	Def.	Ties-
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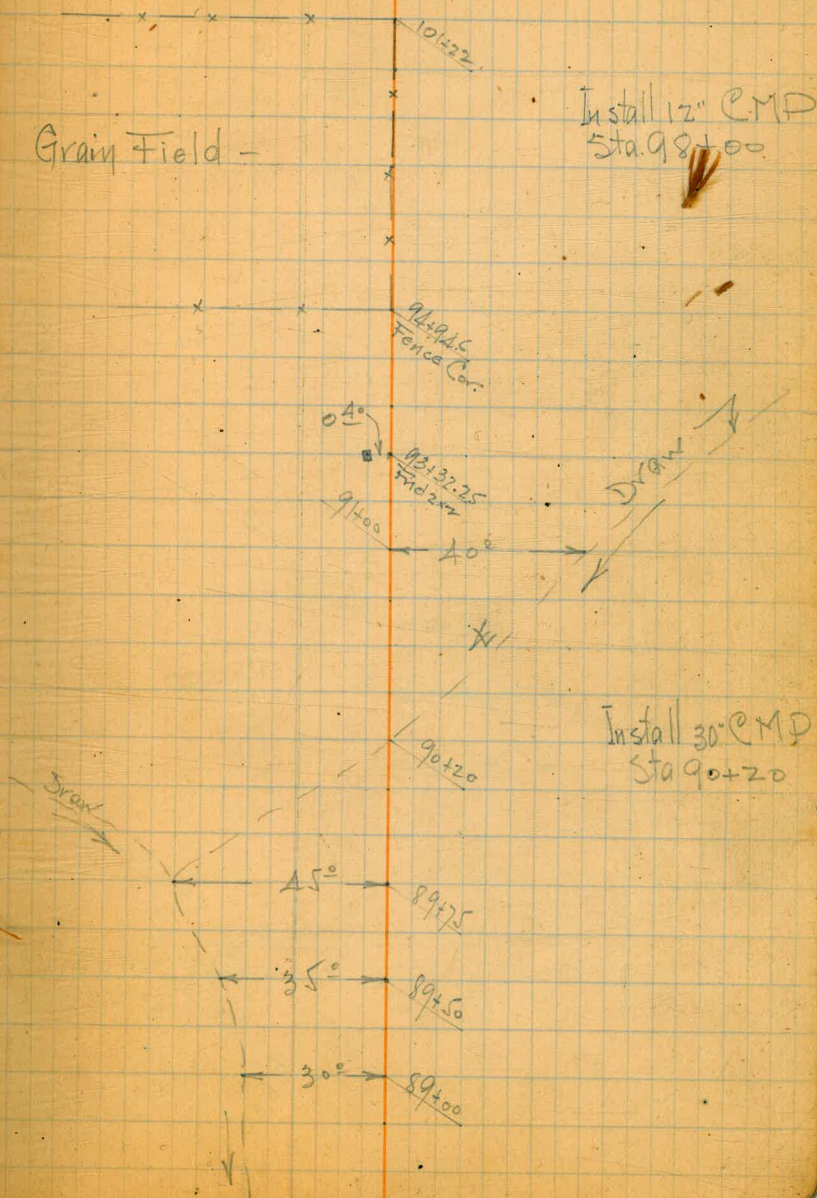
14

94+41.40
P.O.T.

1326.50 ←



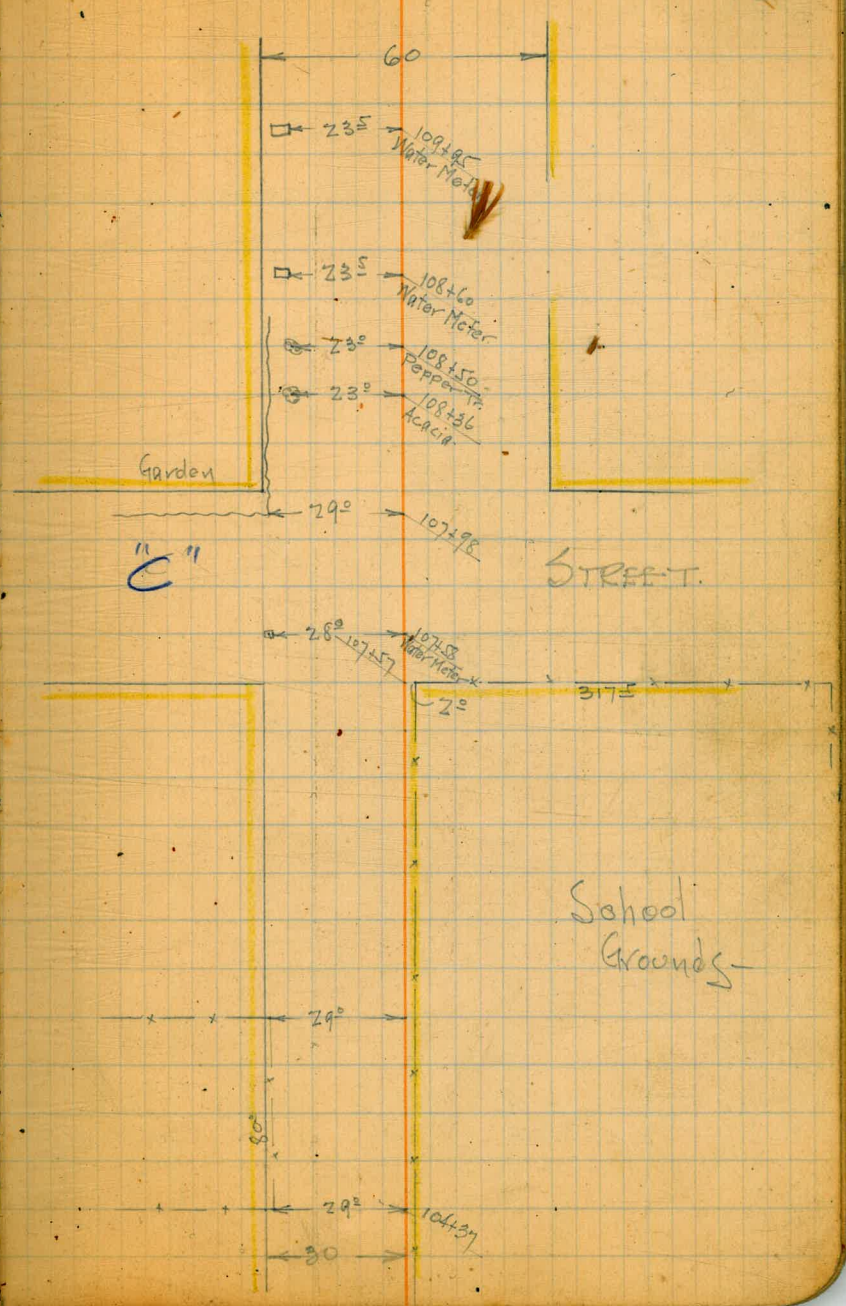
Grain Field -



Sta. Dist. Angle Az. Def. Trees

327.05

16



30

Dist. Angle Az. Def.

Ties -

128+09.20
P.I.

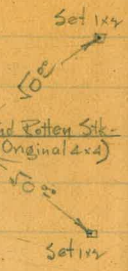


179°40'
359°19'

0°20' Lt.

128+09.20

Find Patten Sht.
(Original 2x4)



127+46.00
P.O.T.

1324.80



114+84.40
P.I.



180°12'
360°24'

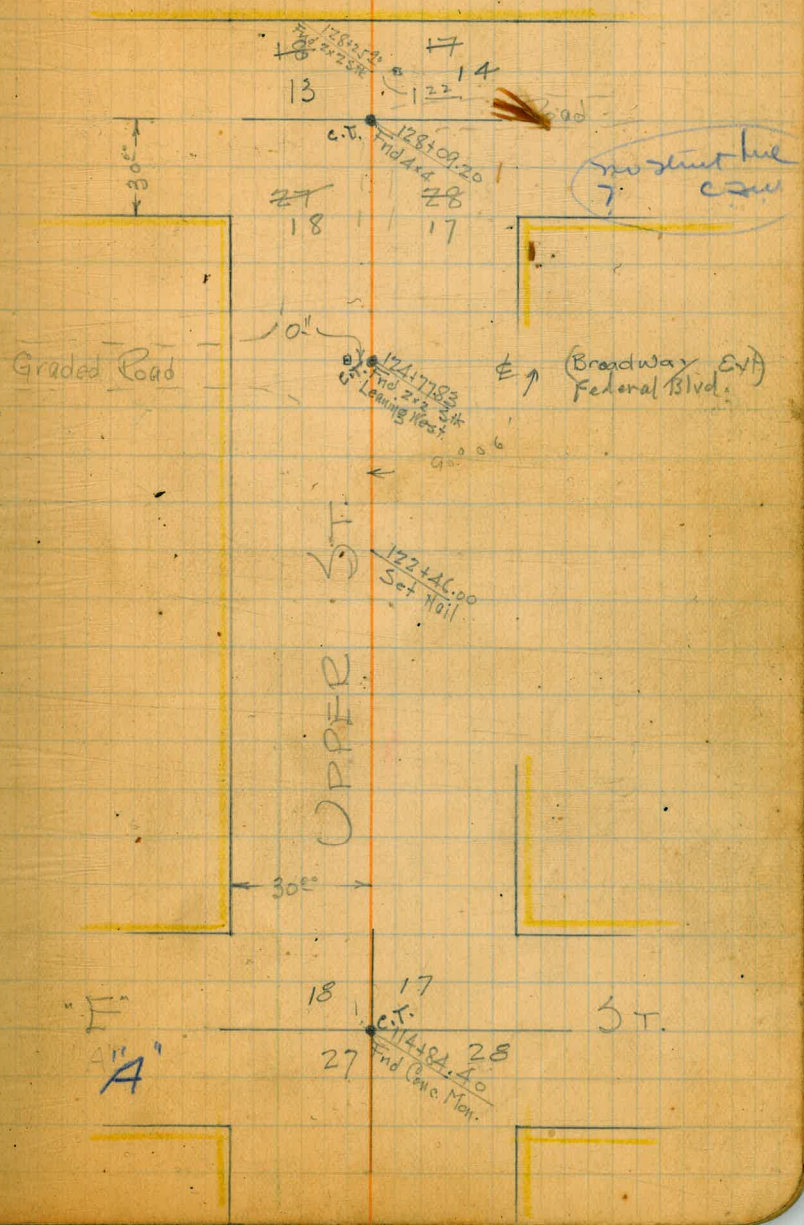
0°12' R.

114+84.40

Found Round
Conc. Man. 6" Dia.

C.T.S. 12-7-38 Miller

17



Sta.	Dist.	Angle Az.	Def.	± Ties.
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13470.75
P.O.T.

13349.85
P.O.T.

1195.70



13470.75
The Old 3x3



13440.25
The Old 2x2



Install 30" C.M.P.
Sta. 1314.05

1344.38
Grove Road

Old Lemon

Sta. Dist. Angle Az. Def. ± Ties-

141+09.79
P.T.

140+04.90
P.I.

138+63.12
P.C.

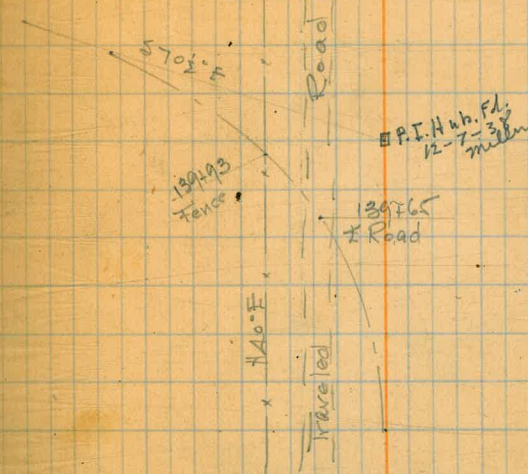
109° 20' 70° 40' ±
218° 41'

$\Delta = 70^\circ 40'$
 $R = 200$
 $T = 141.78$
 $L = 246.67$

1195.70

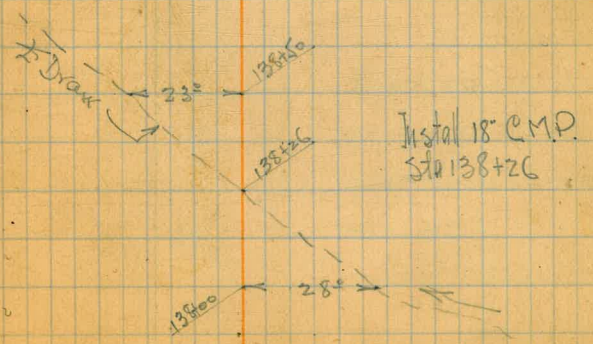
137+68.78
P.O.T.

137+68.78 Set Nail-



Deflections-

138+75	= 1° 42'
139	= 5° 17'
+25	= 8° 52'
+50	= 12° 26'
+75	= 16° 01'
140	= 19° 26'
+25	= 23° 11'
+50	= 26° 46'
+75	= 30° 21'
141	= 33° 56'
+09±	= 35° 20'



Sta.

Dist.

Angle

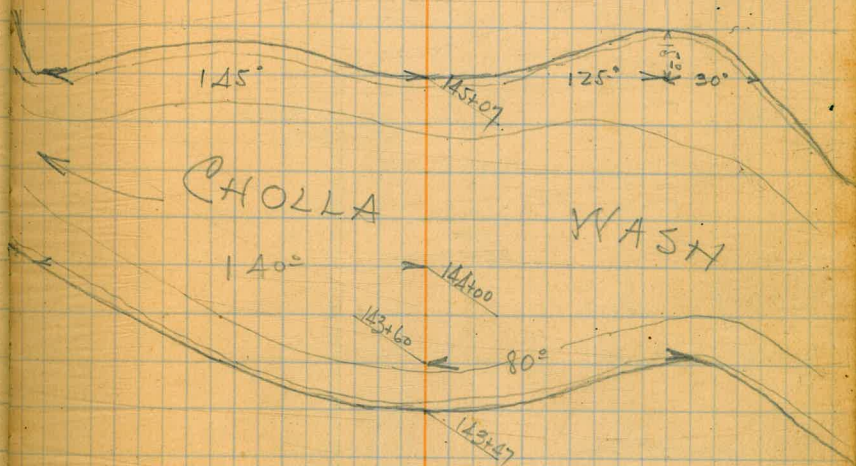
Az.

Def

± Ties-

20

643.95'



Sta. Dist. Angle Az. Def. Ties

147+53.38
POT.

712.27

147+53.38
Set 2x2



147+00.15
P.T.

146+11.96
P.I.

132°06' 47°54' Lt.
264°12'

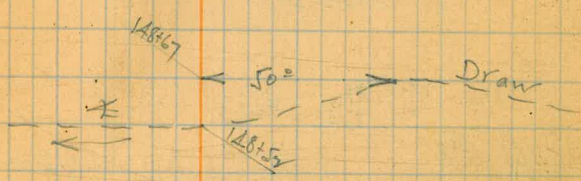
145+40.20
P.O.S.T.

Set Hub

145+12.02
P.C.

643.95

$\Delta = 47^{\circ}54'$
 $R = 225'$
 $T = 99.94'$
 $L = 188.13'$



Install 18" C.M.P.
Sta 148+52

Deflections -
145+25 = 1°39'
+50 = 4°50'
+75 = 8°01'
146 = 11°12'
+25 = 14°23'
+50 = 17°34'
+75 = 20°45'
147+00.15 = 23°57'

Sta. Dist. Angle Def. Ties-

Topog-

22

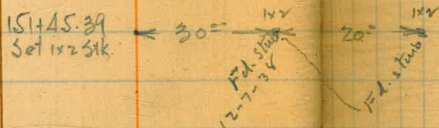
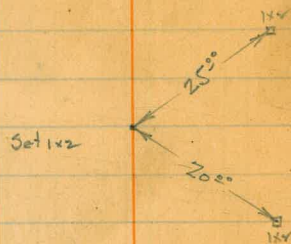
89.49
153+97.15
P.T.
340.14

153+42.18
P.I.
276°10' 96°10' P.
+192°20'

151+45.39
P.C.

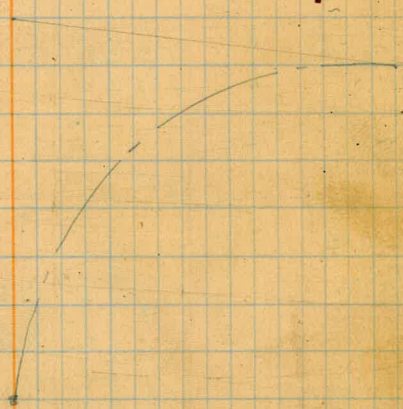
712.27

$\Delta = 96^{\circ}10'$
 $R = 150'$
 $T = 167.09'$
 $L = 251.76'$

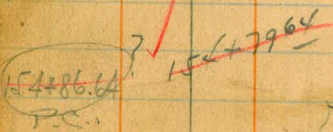
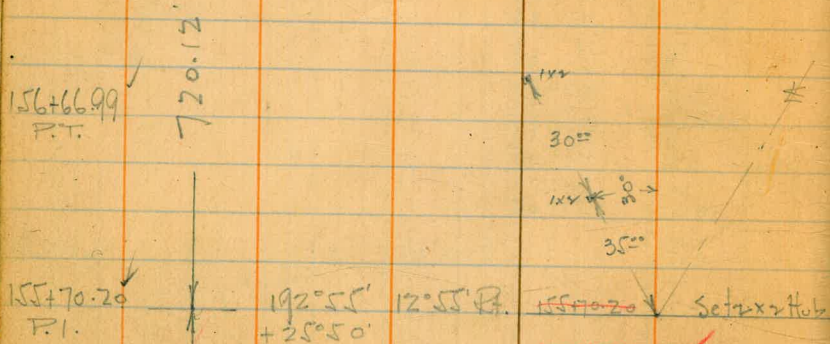


Deflections -

151+50	=	0°	53'
+75	=	5°	39'
152	=	10°	26'
+25	=	15°	12'
+50	=	19°	59'
+75	=	24°	45'
153	=	29°	32'
+25	=	34°	18'
+50	=	39°	05'
+75	=	43°	51'
+97.15	=	48°	05'



Sta. Dist. Angle Az. Def. * Ties-



154+86.64 PC
154+79.64 P.O.T. =

$l = 12.55'$
 $R = 800'$
 $T = 90.56'$
 $L = 180.35'$

340.14

89.49'

= There "aint" no "Equation"
JD

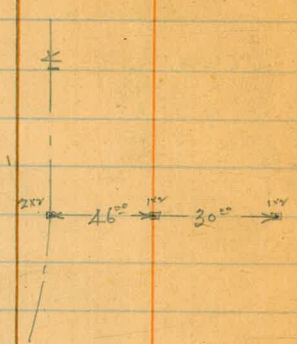
Deflections -

155	=	0° 29'
156	=	1° 16'
157	=	0° 33'
158	=	51'
159	=	27'

156+66.99	=	60.275'	✓
+50	=	50.51'	
+25	=	42.575'	
156+00	=	42.04'	
+75	=	30.10'	
+50	=	20.165'	
+25	=	10.225'	
155	=	00.29'	
154+86.64	=	00.00'	End ✓

Sta Dist Angle Az. Def. \neq lies

164+18.25
P.T.
462.43



162+06.55
P.I.

130° 06' 19° 54' Lt
260° 12'

161+56.97
P.C.

720.12'

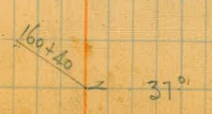
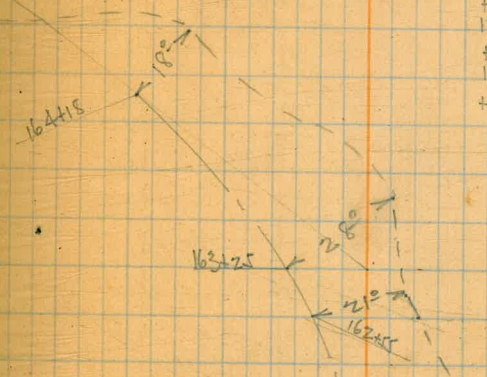
L = 19° 54'
R = 300'
T = 139.58
L = 261.28



- 164+18.25 = 292.57'
- 164+00 = 222.12.5'
- +75 = 200.49'
- +50 = 180.26'
- +25 = 160.02.5'
- 163+00 = 132.39.5'
- +75 = 112.16'
- +50 = 80.53'
- +25 = 60.29.5'
- 162+00 = 42.06.5'
- +25 = 17.43'
- 161+56.97 = 02.00'

Deflections -

- 162 = 4° 06 1/2'
- +50 = 8° 53'
- 163 = 13° 39 1/2'
- +50 = 18° 26'
- 164 = 23° 12 1/2'
- +18.25 = 24° 51'



Sta.

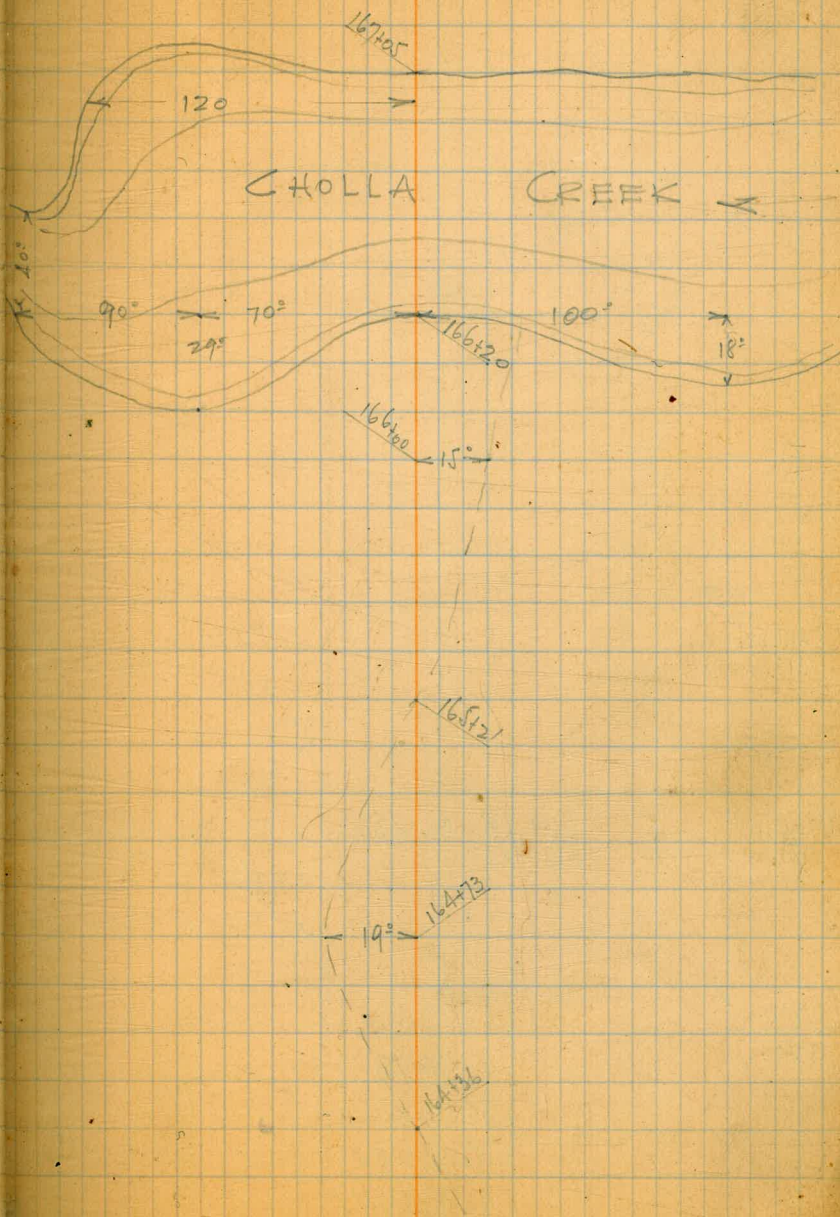
Dist.

Angle
Az. Def.

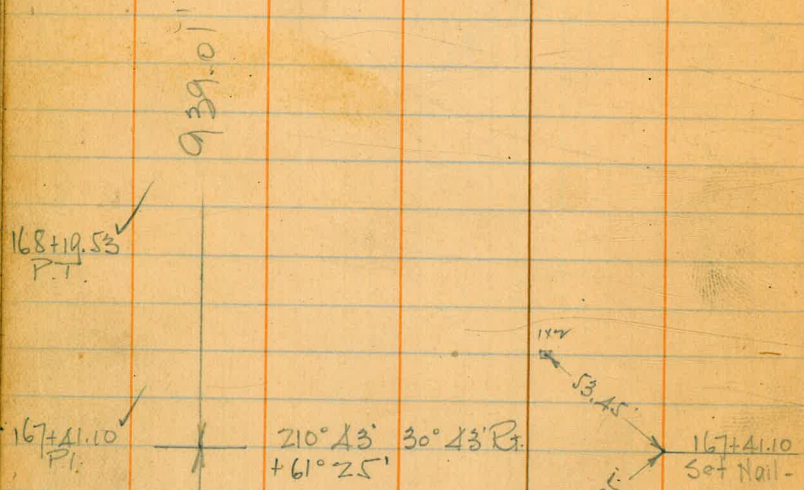
± Ties

25

462.43



Sta. Dist. Angle Az. Ties -



168+19.53
P.T.

167+41.10
P.I.

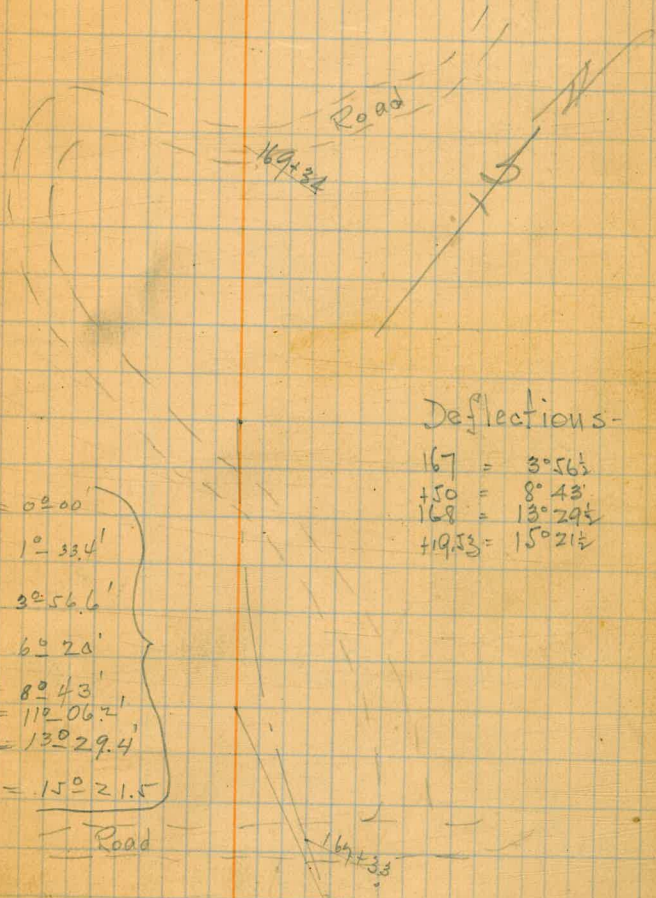
166+58.70
P.C.

210° 43' 30° 43' R.
+61° 25'

167+41.10
Set Nail -

A = 30° 43'
R = 300
T = 82.40'
L = 160.83'

- 166+58.70 = 02.00
- +75 = 1° 32.4'
- 167 = 32° 56.6'
- +25 = 6° 20'
- +50 = 8° 43'
- +75 = 112° 06.2'
- 168+00 = 132° 29.4'
- 168+19.53 = 152° 21.5'



Deflections -

- 167 = 3° 56.3'
- +50 = 8° 43'
- 168 = 13° 29.5'
- +19.53 = 15° 21.5'

Road

167+33

Sta. Dist. Angle Az. Def. Ties

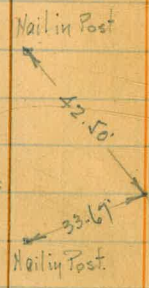
177+76.35
P.T.

176+76.14
P.I.

175+71.33
P.C.

209°22' 29°22' R
+58°45'

$\Delta = 29^{\circ}22'$
 $R = 400'$
 $T = 104.81'$
 $L = 205.02'$



939.0'



40°

178+31.00
Sound Conc. Mix
With Lead & Tack

Laurel

PL = 40' Pal

177+50 = 20' Pal.

Deflections-

- 176 = 2°03'
- +25 = 30°50.6'
- +50 = 5°38'
- +75 = 7°25.4'
- 177 = 9°13'
- +25 = 110°00.2'
- +50 = 12°48'
- +76.66 = 14°41'

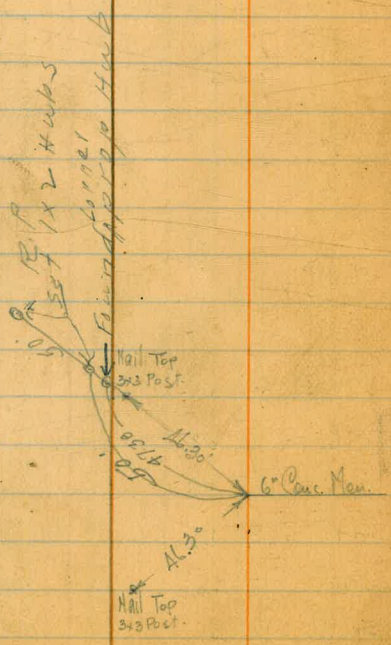
[177+29.60 = 110°20']

Sta.	Dist.	Angle		Ties -
		Az.	Def	
188+84.50 P.I.	✓	180° 01'	0° 01' R.	Concrete Monument

COLUMBINE AVE.

188+84.50
Found 6" Conc. Mon.
With Lead & Tack.

1212.96

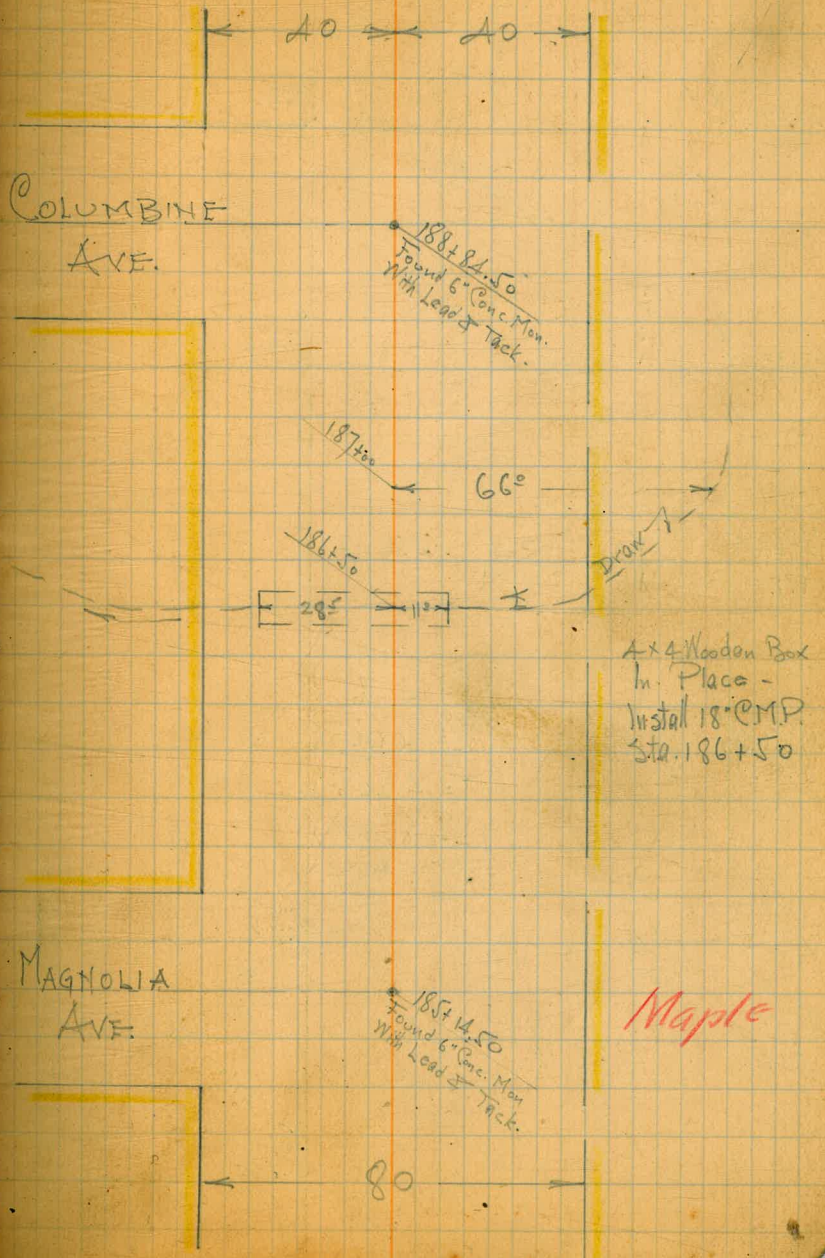


185+14.50
P.O.T.

MAGNOLIA AVE.

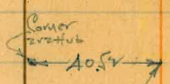
185+14.50
Found 6" Conc. Mon.
With Lead & Tack.

Maple



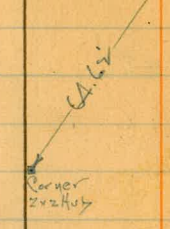
Sta. Dist. Angle Az. Def. Ties-

198+22.33
P.I.



197+43.02
P.T.

122.39



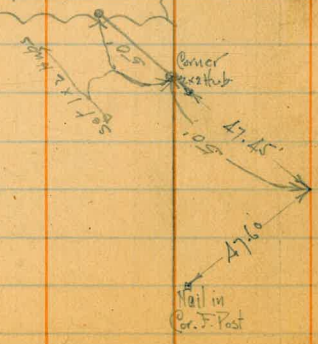
197+00
P.I.

175°04'
356°09' 4°56' Lt.

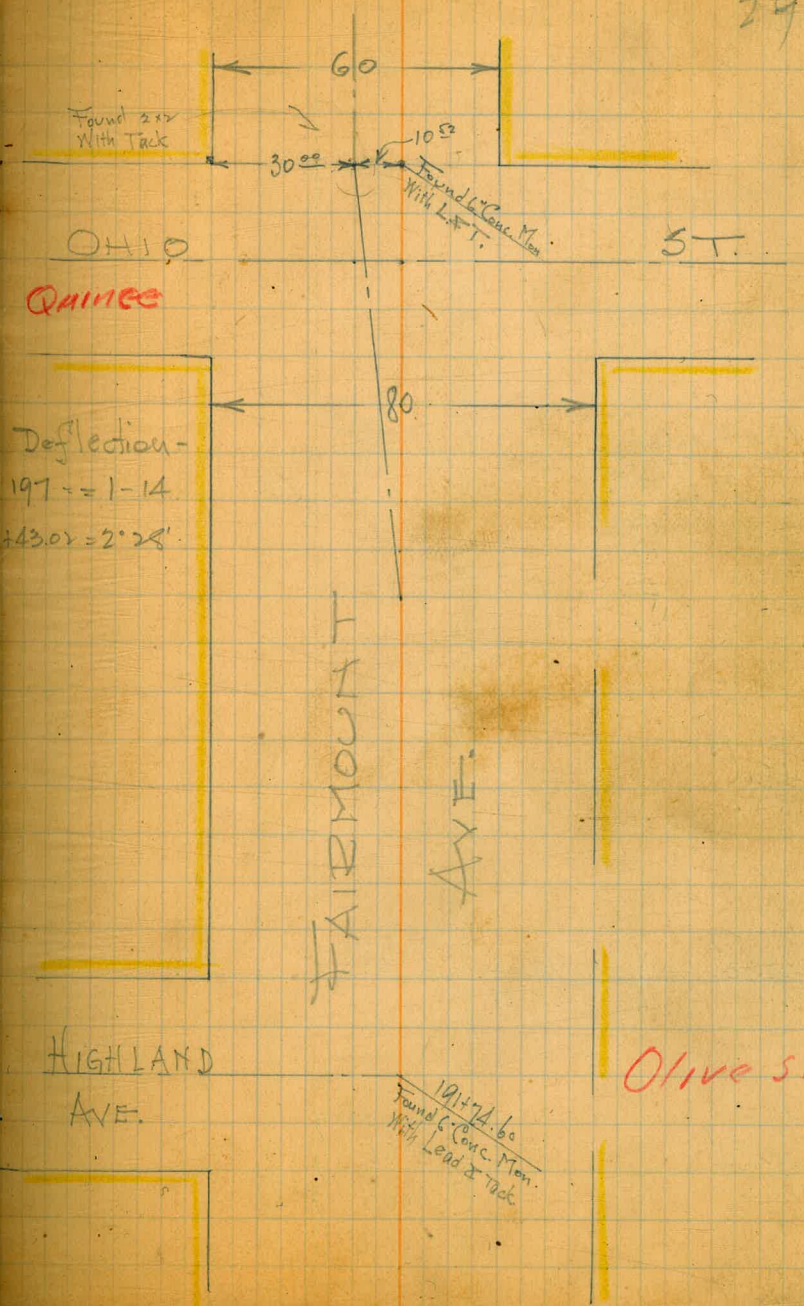
196+56.92
P.C.

815.50

$\Delta = 4°56'$
 $R = 1000$
 $T = 43.08'$
 $L = 86.10'$



191+74.60
P.O.T.



30

Sta.	Dist.	Angle Az. Def.	* Ties-
	571.33		
198+65.06 P.T.			
198+22.33 P.I.		184°54' +9°48'	1°54' R.
197+79.54 P.C.			

571.33

198+65.06
P.T.

198+22.33
P.I.

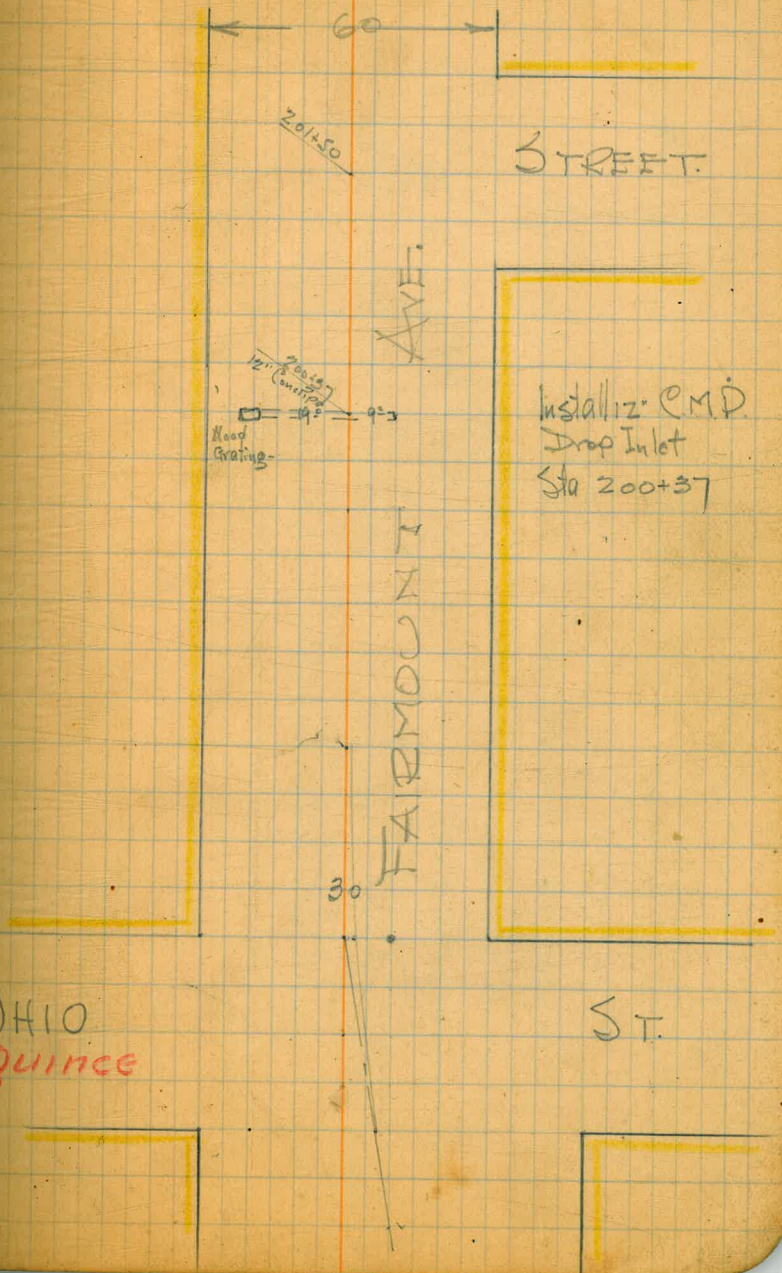
184°54'
+9°48'

1°54' R.

197+79.54
P.C.

$L = 42.79$
 $R = 1000'$
 $T = 85.52$
 $L = 42.79$

OHIO
QUINCE



60

201+50

STREET.

FARMOUNT
AVE.

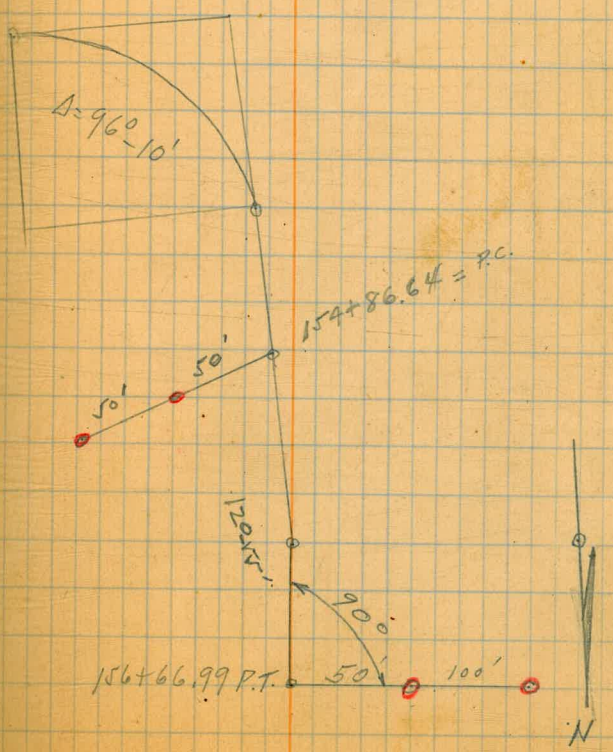
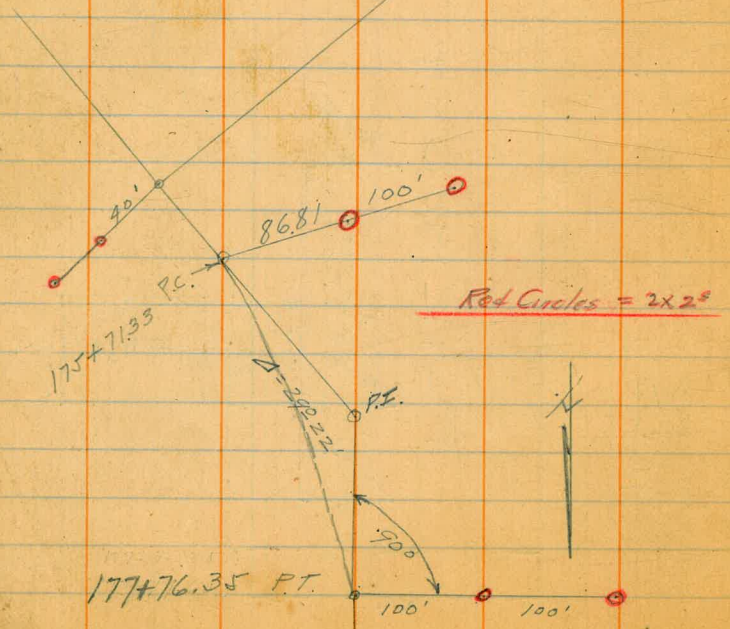
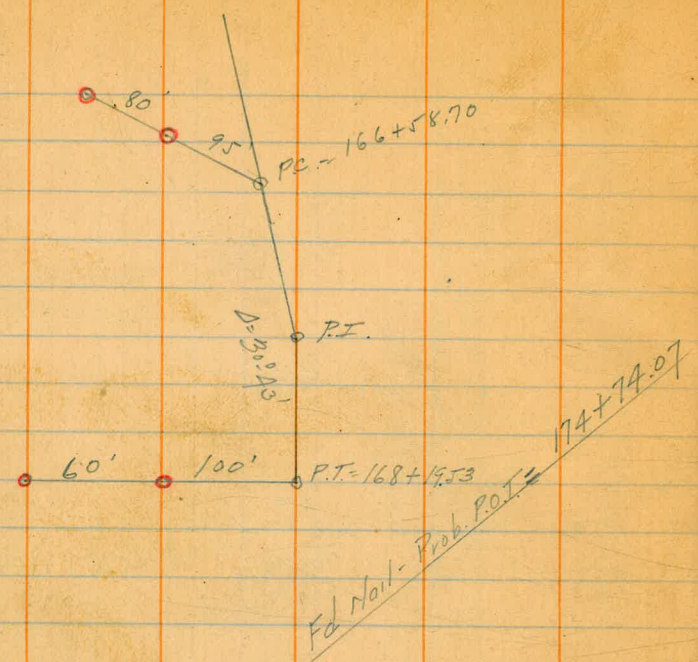
Road
Grating

Installiz. C.M.P.
Drop Inlet
Sta 200+37

FARMOUNT
AVE.

30

ST.



33

34

35

21491.2 u. Luce 66-65
13.20
35+11.2 " 61-62

23+05.35
POT

Mail Luc 66-65
H. 25+66.75

35+48.27

52+10.15
PI

15x

55+36.75

⊙

61+73.76

26+47.59
9

21
136.96

26+56.59

~~222
93+52.25~~

152+45.16
POT

179-38
359-17

114+84.34
180-17
86.64

~~0.40 west~~

~~142+19.13
222, 011 west~~

~~570 balance~~

94+41.40
POT

138+09.20
chip notes 254

131+40.25
06 wr. 03F

137+69.73
Mail POT

140+04.90
109-20
215-41

94+94.6
Fence

133+09.65
POT

134+70.75
POT

06.513

125+30
6.80.50

85+14.50
3.90

188+84.50
6.16.98

95+31.48

191+71.60
6.16.98

199+91.59
90

5.70.50

203+91.40

6.51.44
35+28.75
26+48.55
37+08.35
61+73.76
36+56.59
85+30.35
13.20
101+19.35
12+10
143+17.35
184.40
13.1.0
38+2
128+00
6.60
134+69
3.20
3.50
3.50
76+97.50
104.00

203+91.75
1.56

203+93.31

4075