

1162

DASTY

FIELD BOOK

No. 385

MICROFILMED

DEC 21 1964

Our Leather Bound Engineers Note Books are carried in the following rulings:

No. 380 LEVEL BOOK. Left and Right Hand Page the same as Left Hand Page of this Book.

No. 382 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 4 x 4 to the inch, Center Line Red.

No. 384 MINING TRANSIT BOOK. Left Hand Page as in this Book, Right Hand Page 8x8 to the inch, Center Line Red.

No. 385 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 8 vertical and 4 horizontal lines to the inch, Center Line Red.

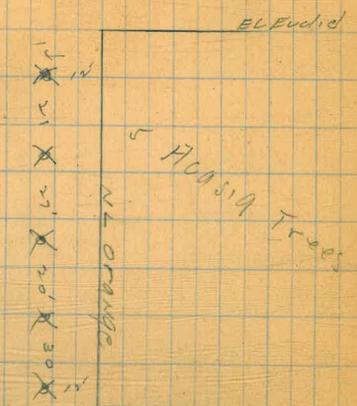
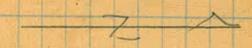
We also carry the Note Books listed above, bound in extra strong Fabri-Hide (otherwise the same quality of book), which can be furnished at a somewhat lower price.

In ordering Fabri-Hide covered books, add the letter "F" to catalog number.

THE FREDERICK POST CO.
ENGINEERING and DRAFTING SUPPLIES
IRVING PARK STATION
CHICAGO, ILL.

Moore Cross Section of ORANGE Ave.
 Euclid to Radio Road. 80' wide
 15' obs
 12 1/4' 1/4'

MMBP	1/4	357.13	350.69	Orange Euclid
	WL Euclid			
N cb		1.7	350.66	
J cb		1.57	350.56	
	E Euclid 15' strip paving			
SL		1.67	350.46	
NL		1.60	350.53	
	EL Euclid			
L		2.7	349.4	
cb		3.3	348.8	
1/4		2.9	349.2	
e		3.1	349.0	
1/4		3.4	348.7	
cb		3.6	348.5	
S		3.2	348.8	
	50' E			
S		5.7	346.4	
cb		5.6	346.5	
1/4		5.2	346.9	
C		4.3	347.8	
1/4		4.1	348.0	
cb		4.4	347.7	
N		3.2	348.8	
	100' E			
N		5.4	346.7	



	357.13		
cb		5.9	346.2
1/4		6.1	346.0
e		6.0	346.1
1/4		6.6	345.5
cb		6.9	345.2
S		7.2	344.9
	135' E		
S		7.6	344.5
cb		7.3	344.8
1/4		6.9	345.2
C	rim Sewer M.H.	6.56	345.57
1/4		6.7	345.4

352.13

cb		6.9	345.2
N		6.0	346.1
	1+60 E		
N		6.6	345.5
+iv		6.7	345.4
cb		7.5	344.6
1/4		7.1	345.0
e		6.8	345.3
1/4		7.2	344.9
cb		7.7	344.2
S		7.7	344.4
	180' E		
S		7.2	344.9
+iv		7.4	344.9
cb		8.0	344.1
1/4		7.3	344.8
e		7.1	345.0
1/4		7.5	344.6
cb		7.8	344.3
+3		6.7	345.4
N		6.3	345.8
	200' E		
N		7.5	344.6
+iv		7.4	344.7
cb		8.3	343.8
1/4		7.8	344.3

352.13

ORANGE

2

e		7.2	344.9
1/4		7.7	344.4
cb		8.3	343.8
+iv		7.4	344.7
S		7.4	344.7
	235' E		
S		8.2	343.9
+3		8.3	343.8
cb		8.9	343.2
1/4		8.4	343.7
e		7.8	344.3
1/4		8.1	344.0
cb		8.5	343.6
+3		8.1	344.0
N		8.3	343.8
	270' E = wL Alpine = 48 + 1/2		60' de
N		8.5	343.6 iv' cbc
+iv		8.4	343.7
cb		8.9	343.2
1/4		8.8	343.3
e		8.5	343.6
1/4		9.0	343.1
cb		9.4	342.7
+iv		8.8	343.3
S		9.1	343.0

252.13

w/cb.

S	9.4	342.7
cb	9.5	342.6
1/4	9.0	342.1
c	8.7	343.4
1/4	8.9	343.2
cb	8.8	342.3
N	8.7	343.4

w/1/4

N	8.9	343.2
cb	9.2	342.9
1/4	9.0	342.1
c	8.9	343.2
1/4	8.9	343.2
cb	9.4	342.7
S	9.7	342.4

♀

S	9.3	342.8
cb	9.3	342.8
1/4	9.2	342.9
c	9.0	343.1
1/4	8.9	343.2
cb	8.8	343.3
N	8.7	343.4

E 1/4

N	8.9	343.2
cb	9.0	343.1

252.13

Orange

cb

1/4	8.9	343.2
c	9.1	343.0
1/4	9.5	344.6
cb	9.4	342.7
S	9.6	342.5

E cb

S	9.6	342.5
cb	9.5	342.6
1/4	9.4	342.7
c	8.9	343.2
1/4	8.9	343.2
cb	9.2	342.9
+3	8.7	343.4
N	8.6	342.5

E.L. Altine - 48th St

N	8.5	342.6
+1W	8.6	343.5
cb	9.1	343.0
1/4	8.8	343.3
c	8.7	343.4
1/4	9.4	342.7
cb	9.7	342.4
+3	9.4	342.7
S	9.5	342.6

T.P. 8.18 351.20

9.11 343.0

35120

35'E

S	8.2	342.9	✓
+14	8.2	343.0	
cb	8.7	342.5	
1/4	7.9	343.3	
c	7.2	344.0	
1/4	7.5	343.7	
cb	7.7	343.5	
+3	7.1	344.1	
N	6.9	344.3	

70'E

N	6.7	344.5	
+14	7.0	344.2	
cb	7.5	343.7	
1/4	6.9	344.3	
c	6.5	344.7	
1/4	7.3	343.9	
cb	8.1	343.1	
+2	7.4	343.8	
S	7.8	343.4	✓

100'E

S	7.0	344.2	
+13	7.0	344.2	
cb	7.7	343.5	
+5	7.1	344.1	
1/4	6.6	344.6	

35120

Orange

44

c	6.0	345.2	
1/4	6.5	344.7	
cb	6.8	344.4	
+2	6.2	345.0	
N	5.9	345.3	

135'E

N	5.0	346.2	
+12	4.9	346.3	
cb	5.9	345.3	
1/4	5.6	345.6	
c	5.2	346.0	
1/4	6.0	345.2	
cb	6.7	344.4	
+3	6.2	344.9	
S	6.7	344.5	

170'E

S	6.4	344.8	
+12	6.7	345.1	
cb	6.5	344.7	
1/4	5.5	346.7	
c	4.7	346.5	
1/4	4.9	346.3	
cb	5.1	346.1	
+3	4.2	347.0	
N	4.0	347.2	

35120

200'E

N	3.2	348.0
tr	3.2	348.0
cb	4.2	346.9
1/4	4.4	346.8
c	4.2	346.9
1/4	5.2	346.0
cb	6.2	345.0
tr	5.6	345.6
S	6.0	345.0

225'E

S	5.6	345.6
tr	5.0	346.2
cb	5.6	345.5
1/4	5.0	346.2
c	4.4	346.8
1/4	4.2	347.0
cb	4.3	346.8
tr	3.8	347.4
N	3.6	347.6

270'E = WL ESTRICH

N	2.8	348.4
tr	3.6	347.6
cb	4.5	346.7
1/4	4.2	346.9
c	4.1	347.1
1/4	4.4	346.8

6' wide
12' cbs

35120

Orange 5

cb	4.7	346.5
S	4.9	346.3
w/cb		
S	4.8	346.4
cb	4.8	346.4
1/4	4.3	346.9
c	4.2	347.0
1/4	4.5	346.7
cb	4.9	346.3
tr	3.8	347.4
N	3.5	347.7

w/cb tr

N	5.8	345.4
cb	5.5	345.7

w/1/4

N	5.8	345.4
cb	5.4	345.8
1/4	4.8	346.4
c	4.2	347.0
1/4	4.2	346.9
cb	4.5	346.7
1/4	4.3	346.9

w/

35120

C	4.2	347.0
1/4	4.7	346.5
cb	5.1	346.1
N	5.3	345.9
E 1/4		
N	5.5	345.7
cb	5.3	345.9
1/4	4.7	346.5
C	4.4	346.8
1/4	4.5	346.7
cb	4.7	346.5
S	4.6	346.6
E 1/4 + S		
N	5.4	345.8
cb	5.2	346.0
E CB		
S	4.5	346.7
cb	4.5	346.7
1/4	4.7	346.5
C	4.5	346.7
1/4	4.7	346.5
cb	5.2	346.0
+ S	4.3	346.9
N	4.2	347.0
EL Estrella		
N	4.0	347.2

35120

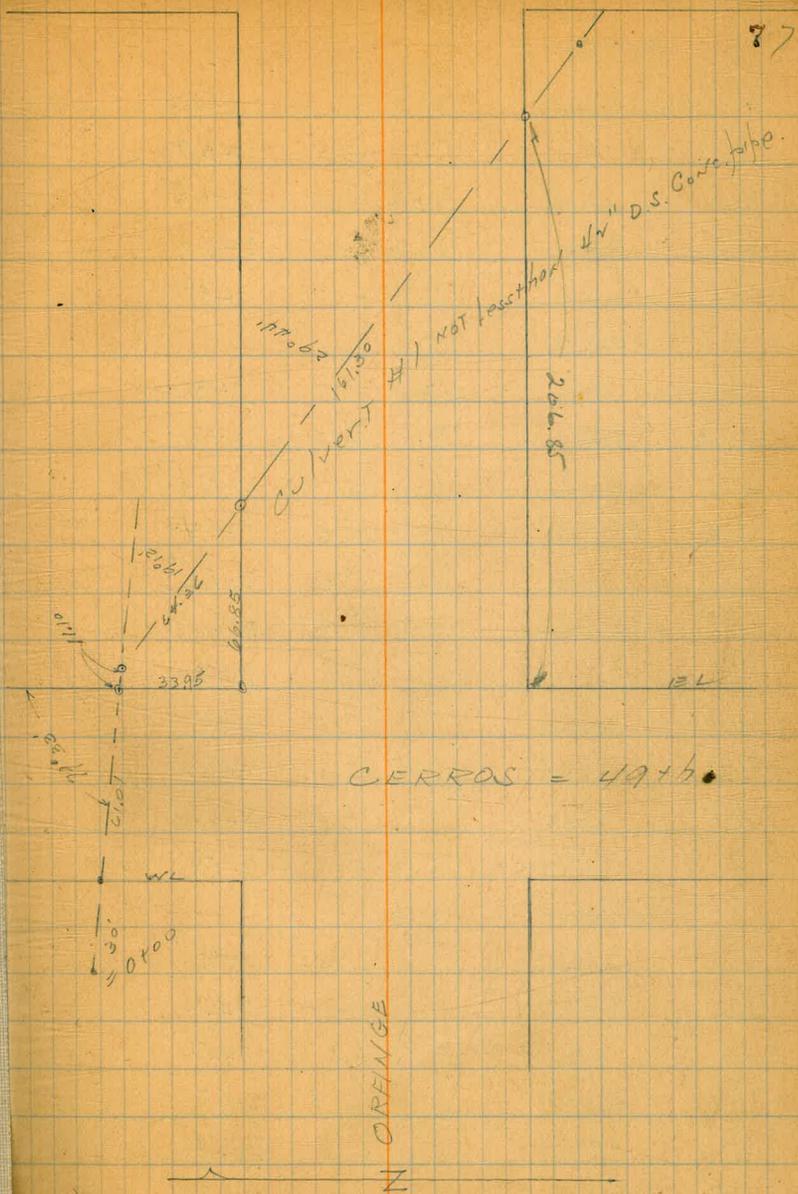
Orange

66

+13	4.6	346.6
cb	5.4	345.8
1/4	4.9	346.3
e	4.6	346.6
1/4	4.9	346.3
+10	5.0	346.2
cb	4.6	346.6
+3	4.1	347.1
S	4.3	346.9
35'E		
S	3.2	348.0
cb	3.6	347.6
+4	4.9	346.3
1/4	4.9	346.3
e	4.6	346.6
1/4	5.0	346.2
+8	5.5	345.7
cb	4.9	346.3
+3	4.3	346.9
N	4.2	347.0
80'E		
N	4.9	346.3
cb	4.8	346.4
+5	5.4	345.8
1/4	5.2	346.0
C	4.7	346.4

Level notes Culvert #1

	806	33025	321.57 T.P. No. 160
0+00		9.3	321.0
+30 = in 2 Cerrros		9.8	320.5
+44		9.8	320.5
+48		7.9	322.4
+60		0.0	330.3
+78		0.1	329.9
+91 = EL Cerrros		9.0	321.0
+94		11.7	318.9
+102.1 = Δ		11.6	318.7
+17		12.9	317.4
T.P. 246	321.47	11.2	319.01
+125		3.4	319.1
+66.6 = NL Orange		3.2	319.3
+95		4.8	317.7
+150		6.2	315.3
+68		3.7	317.8
3+00		4.5	317.0
+16		4.7	316.8
+22		8.4	313.1
3+27.76 = SL Orange		8.5	313.0
+33		8.2	313.2
+34		6.6	314.9
+63		9.6	312.9
+66		11.3	310.2
3+92 = OUTLET		10.6	310.9



	300 E	347.50	
S		0.6	346.9
+2		0.9	346.6
+3		3.7	343.8
+8		6.4	341.1
cb		6.6	340.9
+3		5.5	342.0
+7		6.6	340.9
1/4		6.0	341.5
C		5.9	341.6
1/4		6.1	341.4
1+		8.6	338.9
+		13.2	334.3
T		15.3	332.2
1+			
+	20.5 E		
+10		15.5	332.0
+	N	13.6	333.9
v+	+5	11.9	335.6
+	cb	9.8	337.7
3+	1/4	6.6	340.9
+			
+	22.5 E		
3+	-13	20.2	327.3
+	N	17.1	330.4
+	cb	13.3	334.2
+	1/4	9.8	337.7
+	+7	7.9	339.6
3+	C	8.0	339.5

	347.50	Orange	99	
1/4		7.9	339.6	
cb		7.3	340.2	
+2		6.6	340.9	
+12		3.3	344.2	
S		2.8	344.7	
	250 E			
S		4.0	343.5	
+5		5.2	342.3	
+7		6.3	341.2	
cb		6.7	340.8	
+3		7.7	339.8	
+5		9.6	337.9	
1/4		9.7	337.8	
C		10.3	337.2	
+7		10.9	336.6	
1/4		13.1	334.4	
cb		17.9	329.6	
N		23.3	324.2	
+10		26.3	321.2	
TP	7.7	344.0	12.2	335.2
	270 E = WIL Connors Ave = 49 ft		60' wide	
-25		22.2	320.2	14' 6"
N		20.5	321.9	
cb		16.2	326.2	
1/4		9.5	332.9	
+7		6.7	335.7	

34240

c		6.5	3359
1/4		6.0	336.4
+7		5.4	337.0
+11		4.5	337.9
cb		2.8	339.6
s		0.7	341.7
	wcb		
s		2.5	339.9
cb		4.6	337.8
+5		5.4	337.0
+7		6.9	335.5
1/4		6.7	335.7
c		7.2	335.2
+6		8.2	334.1
1/4		11.2	332.2
cb		16.5	325.9
N		20.0	322.4
+25		22.3	320.1
	wcb+t		
-25		21.8	320.6
N		19.9	322.5
+7		18.7	323.7
cb		15.6	326.8
	w 1/4		
-20		18.1	324.3
N		17.0	325.4

34240

Orange

10

cb		14.9	327.5
1/4		11.1	331.3
+7		8.1	334.3
c		7.7	334.7
1/4		7.3	335.1
+5		7.5	334.9
+6		6.4	336.0
cb		5.3	337.1
s		3.0	339.4
	E		
s		5.4	337.0
cb		6.3	334.1
+7		7.7	334.7
1/4		7.8	334.6
c		8.2	334.2
1/4		9.2	333.0
cb		10.5	331.9
N		11.8	330.6
+10		12.4	330.0
	E 1/4		
-10		12.3	330.1
N		11.7	330.7
cb		10.7	331.7
1/4		9.5	332.9
c		8.6	333.8
1/4		8.6	333.8

342.40

cb	7.6	3321.8
S	5.4	337.0
EC6		
S	6.2	336.2
cb	8.4	334.0
+5	9.6	332.8
1/4	9.6	332.8
e	9.4	333.0
1/4	10.1	332.3
cb	11.0	331.4
N	12.0	330.4
+10	12.5	329.6

EL Cerritos Ave 49th

-25'	20.7	321.7
N	19.8	322.6
cb	18.0	324.4
1/4	15.7	326.7
+8	12.2	330.2
c	12.5	329.9
+4	10.8	331.6
1/4	10.8	331.6
+7	11.0	331.4
+8	11.7	330.7
+10	11.7	330.7
cb	9.7	332.7
+3	7.7	334.7

342.40

Orange

11 1/2

+8	5.8	336.6
S	4.0	338.4
15'E		
S	4.6	337.8
+11	8.5	333.9
cb	12.1	330.3
1/4	12.1	330.3
+10	12.5	329.9
c	14.2	328.2
1/4	15.0	324.4
cb	20.2	322.2
+10	23.6	318.8
N	23.7	318.7
+5	25.2	317.2
+20	23.0	319.4
+30	23.1	319.3
25'E		
-20	23.1	319.3
-8	23.9	318.5
-4	25.2	317.2
N	23.2	319.0
cb	21.8	320.6
1/4	21.2	321.2
c	14.2	328.2
1/4	14.2	328.2
+10	13.9	328.5

342.40

cb			12.6	329.8
+4			9.2	333.2
S			5.7	336.7
	50'E			
S			10.1	332.3
+5			12.0	330.4
+9			15.5	326.9
T.P.	0.7W	330.52	12.60	329.80
cb			5.9	324.6
+4			5.0	325.5
1/4			5.0	325.5
+10			5.0	325.5
C			6.2	324.3
1/4			11.4	319.1
cb			12.2	318.3
N			12.0	318.5
+30			12.5	318.0
	75'E			
-25			9.1	321.4
-18			13.2	317.3
N			12.6	317.9
cb			12.9	317.6
1/4			13.3	317.2
+8			11.8	318.7
C			10.2	320.3
+7			7.8	322.1

330.52

Orange

12

1/4			7.6	322.9
cb			7.6	322.9
+9			7.1	323.4
S			4.2	326.1
+5			2.7	327.8
	100'E			
-5			7.4	327.1
S			9.3	321.2
cb			10.2	320.3
1/4			10.0	320.5
cb			13.3	317.2
1/4			13.3	317.2
cb			14.3	316.2
N			12.9	317.6
+5			10.6	319.9
+15			7.3	323.2
	115'E			
-10			5.5	325.0
N			8.2	322.3
+4			9.0	321.5
+6			11.6	318.9
+10			13.5	317.0
cb			13.5	317.0
	125'E			
-10			4.9	325.6
N			7.0	323.5
+10			9.0	321.5

32052

cb	11.3	319.2
+7	12.6	316.9
1/4	14.5	316.0
c	14.2	316.3
1/4	11.8	318.7
cb	11.7	318.8
S	12.1	318.4
+12	10.0	320.5
T.P. unaltd 7.07	328.66	8.90
150'E		221.59
-15	7.2	321.3
-10	9.8	318.9
S	10.9	317.8
cb	10.9	317.8
1/4	10.8	317.9
+5	11.9	316.8
c	13.7	315.0
1/4	11.4	317.3
cb	8.0	320.7
N	4.2	324.4
+10	2.2	326.3
175'E		
-10	3.7	325.0
N	6.6	322.1
cb	12.1	316.6
1/4	13.6	315.1

32866

Orange

13/13

⊕	14.0	314.7
+7	13.5	315.2
1/4	11.6	317.1
cb	11.3	317.4
S	10.0	318.7
+15	5.2	323.3
200'E		
-15	10.1	318.6
S	11.4	317.3
cb	11.2	317.4
1/4	12.1	316.6
+5	13.7	315.0
c	14.4	314.3
1/4	14.1	314.6
cb	13.6	315.1
+10	11.2	317.3
N	9.1	319.6
+10	4.8	323.9
203'E		
-15	10.5	318.2
S	11.8	316.9
+7	13.6	315.1
+10	11.3	317.4
cb	11.1	317.6
205'E		
-15	10.7	318.0

328.66

S	11.8	316.9
+1	15.8	317.9
+5	16.3	317.4
+10	11.7	317.0
cb	11.4	317.5
225'E		
-10	4.5	317.2
✓	7.1	316.6
+5	10.3	318.4
cb	14.2	314.5
1/4	15.3	313.4
C	15.1	313.6
+8	14.3	314.4
1/4	12.0	316.7
cb	11.8	316.9
+5	12.1	316.6
+10	16.6	312.1
S	17.2	311.5
-3	15.5	313.2
-13	14.8	313.9
-25	12.1	316.6
230'E		
-25	15.0	313.7
-15	16.5	312.2
-6	16.4	312.3
-3	18.8	309.9

328.66

Orange

141

S	15.5	313.2
+10	11.8	316.9
cb	11.1	317.6
243'E		
cb	10.8	317.9
+5	11.6	317.1
S	16.5	312.2
+1	18.6	310.1
+8	19.3	309.4
+30	17.2	311.4
250'E		
-30	17.3	311.4
S	16.7	312.0
+10	10.8	317.9
cb	10.5	318.2
+7	10.5	318.2
1/4	12.1	316.6
+4	14.7	314.0
C	14.4	314.3
1/4	10.4	318.3
cb	6.6	322.1
N	2.3	326.4
+5	1.0	327.7
T.P.	6.4	333.6
270' W2 W100'	1.47	327.19
N	1.3	332.3
60' wide		
14' cbs		

333.61

+5	2.0	331.6
cb	5.2	328.4
1/4	9.8	323.8
e	13.8	319.8
1/4	14.5	319.1
+1	14.5	319.1
+8	13.8	319.8
cb	14.8	318.8
S	20.7	312.9
+25	21.5	312.1
	WL + 08'	
1/4	7.3	326.3
cb	4.0	329.6
NL	1.7	331.9
	wcb	
-20	19.0	314.6
S	16.0	317.6
+11	13.0	320.6
cb	12.4	321.2
1/4	12.9	320.7
e	11.0	322.6
+2	11.9	321.7
+6	11.1	322.5
+8	10.0	323.6
1/4	7.8	325.8
cb	6.2	327.4

333.61

155

Orange

N on cen. cb	2.46	331.15
w 1/4		
N	3.7	329.9
cb	5.6	328.0
1/4	7.5	326.1
c	9.6	324.0
1/4	11.3	322.3
cb	11.8	321.8
S	12.9	320.7
+10	14.1	319.5
	±	
-10	13.4	320.2
S	12.6	321.0
cb	11.1	322.5
1/2	10.4	323.2
e	8.7	324.9
1/4	7.4	326.4
cb	5.3	328.3
N	3.1	330.5
	E 1/4	
N	2.9	330.7
cb	5.3	328.3
1/4	7.1	327.5
e	8.4	325.2
1/4	9.9	323.7
cb	10.5	323.1

333.61

S		12.2	321.4
+10		13.4	320.2
	e ^{1/4} +5		
1/4		6.9	326.7
cb		6.0	327.6
N		3.6	330.0
	E cb		
-10		13.4	320.4
S		11.4	322.2
cb		10.1	323.5
1/4		9.5	324.1
c		8.2	325.4
1/4		7.0	326.6
cb		3.5	330.1
N	fur ydgo	2.5	331.1
N	on com cb	2.0	331.60
	EL Winona		
N		1.1	332.5
cb		2.3	331.3
+4		3.1	330.5
1/4		6.6	327.0
c		7.5	326.1
1/4		1.5	325.1
+7		9.2	324.4
cb		8.2	325.4
+7		8.4	325.2

333.61

Orange

166

+8		9.4	324.2
S		10.1	323.5
+5		9.9	323.7
T.P.	120	333.04 ✓	1.77
	20' E of EL Winona		331.84
N		1.2	331.8
cb		1.7	331.3
+3		4.3	328.7
1/4		5.3	327.7
+2		5.8	327.2
c		5.7	327.3
1/4		6.3	326.7
+7		6.7	326.3
cb		5.8	327.2
+3		4.9	328.1
S		5.2	327.8
	70' E		
S		7.2	325.8
cb		6.7	326.3
1/4		6.4	326.6
c		5.5	327.5
1/4		5.6	327.4
+7		5.3	327.7
cb		4.4	328.6
+3		3.9	329.1
N		3.2	329.8

Set BP
NECOR
Winona
Orange

333.04

100' E

N	4.2	3288
+12	4.7	3283
cb	5.7	3273
1/4	6.2	3268
c	6.2	3268
1/4	7.0	3260
cb	7.4	3256
S	7.6	3254

135' E

S	7.4	3256
+12	7.1	3259
cb	7.6	3254
1/4	7.4	3256
c	6.5	3265
1/4	6.6	3264
+11	6.7	3263
+7	6.2	3268
cb	6.2	3268
N	5.2	3278

170' E

N	6.0	3270
+11	5.9	3271
cb	6.9	3261
+5	7.1	3259
+7	7.8	3252
1/4	7.3	3257

333.04

Orange

17.17

C	7.0	3260
1/4	7.7	3255
cb	8.0	3250
+4	7.6	3254
S	7.7	3253

200' E

S	8.0	3250
+12	8.0	3250
cb	8.4	3244
1/4	8.0	3250
c	7.3	3257
1/4	7.5	3255
+7	8.0	3260
cb	7.7	3255
+11	7.2	3258
N	7.2	3258

235' E

N	7.2	3258
cb	8.3	3257
+7	8.7	3243
1/4	8.1	3249
c	7.9	3251
1/4	8.3	3247
cb	8.5	3245
+3	8.2	3248
S	8.4	3246

333.04

270° E = W.L. MANZANITA - 50th ST 60' wide.

S	8.4	324.6	12' cbs
cb	8.7	324.3	
1/4	9.4	323.6	
C	8.6	324.4	
1/4	8.8	324.2	
cb	8.9	324.1	
+3	8.9	324.1	
+5	8.3	324.7	
N	7.7	325.3	

w/cb

N	8.1	324.9	
+10	8.4	324.8	
cb	8.7	324.3	
1/4	9.0	324.0	
C	9.0	324.0	
1/4	9.4	323.6	
cb	9.8	323.2	
S	9.1	323.9	

w/1/4

S	9.8	323.2	
cb	9.8	323.2	
1/4	9.8	323.2	
C	9.3	323.7	
1/4	9.3	323.7	
cb	9.0	324.0	

333.04

Orange

188

N	8.6	324.4	
ϕ			
N	8.2	324.8	
cb	8.9	324.1	
1/4	9.3	323.7	
C	9.4	323.6	
1/4	9.8	323.2	
cb	9.8	323.2	
S	9.9	323.1	
E 1/4			
S	10.2	322.7	
cb	9.9	323.1	
1/4	9.8	323.2	
C	9.6	323.4	
1/4	9.5	323.5	
cb	9.3	323.7	
N	8.4	324.6	
E Cb			
N	8.0	325.0	
+8	8.6	324.4	
cb	9.3	323.7	
+3	9.4	323.6	
+5	10.5	322.5	
+7	9.7	323.3	
1/4	9.6	323.4	
C	9.8	323.2	

		33304		
C	+7		10.2	3228
	1/4		10.0	3230
	cb		10.0	3230
	S		10.4	3226
	EL 50th			
	S		11.0	3220
	+7		10.6	3224
	cb		10.5	3225
	1/4		10.2	3228
	+5		10.1	3229
	+7		10.6	3224
	C		10.3	3227
	1/4		9.8	3232
	+7		10.1	3229
	+9		10.6	3224
	cb		9.9	3231
	+5		9.4	3236
	+10		8.2	3246
	N		7.9	3251
T.P. spike pole	132	32674	7.62	32542
	25' E of EL 50th			
	N		1.8	3249
	+6		1.8	3249
	+13		4.2	3225
	cb		4.4	3223
	1/4		4.3	3224

near corner 50th
Orange

		32674	Orange	199
	C		4.7	3220
	1/4		5.1	3216
	cb		5.6	3211
	S		6.8	3199
	+5		6.7	3200
	50' E			
	-5		8.8	3179
	S		8.6	3181
	cb		7.4	3193
	1/4		6.1	3206
	C		6.1	3206
	1/4		5.0	3217
	+8		5.3	3214
	+9		5.8	3209
	+11		5.8	3209
	cb		4.9	3218
	+4		4.6	3221
	+9		2.8	3239
	N		2.7	3240
	75' E			
	N		4.6	3221
	+5		4.6	3221
	+12		7.6	3191
	cb		7.6	3191
	+3		6.9	3198
	1/4		6.7	3200

326.74

1/4+7	7.0	319.7
c	8.1	318.6
+5	8.2	318.5
+7	7.8	318.9
1/4	8.4	318.3
cb	8.6	318.1
+5	9.6	317.1
S	11.2	315.5
+5	12.0	314.7

100'E

-5	15.5	311.2
S	14.6	312.1
cb	11.7	315.0
1/4	10.2	316.5
+9	9.7	317.0
c	10.5	316.2
+3	10.6	316.1
+6	9.7	317.0
1/4	9.5	317.2
cb	9.7	317.0
+7	8.8	317.9
+12	7.3	319.4
N	7.0	319.7

125'E

N	10.2	316.5
+6	10.2	316.5

326.74

orange

20-

+11	11.2	315.5	
cb	11.5	315.2	
1/4	11.8	314.9	
+8	12.5	314.2	
C	12.0	314.7	
T.P. 338	318.05 ✓	12.97	314.67
1/4	5.2	312.9	
cb	7.0	311.1	
+10	8.2	309.9	
S	8.4	309.7	
+10	8.7	309.4	

150'E

-10	10.0	308.1
S	9.7	308.4
cb	9.3	308.8
1/4	8.2	309.9
+9	7.4	310.7
C	5.5	312.6
1/4	4.3	313.8
cb	5.0	313.1
+10	4.7	313.4
N	4.8	313.3
+5	4.6	313.5

175'E

-5	6.4	311.7
N	6.5	311.6

318.05

+8	6.8	311.3
+11	6.3	311.8
cb	6.3	311.8
1/4	6.1	312.0
C	7.0	311.1
+5	9.0	309.1
1/4	9.8	308.3
cb	10.2	307.9
S	10.7	307.4
+10	11.0	307.1

200 E

-15	12.2	305.9
S	11.5	306.6
cb	11.3	306.8
1/4	10.4	307.7
+8	10.0	308.1
C	7.9	310.2
1/4	7.3	310.8
cb	7.5	310.6
+5	7.7	310.4
N	7.7	310.4
+10	7.6	310.2

225 E

-10	8.1	310.0
N	8.4	309.7
cb	8.4	309.7

318.05

Orange

261

1/4	8.4	309.7	
C	9.0	309.1	
+7	10.6	307.5	
1/4	10.8	307.3	
cb	11.7	306.4	
S	12.0	306.1	
+10	13.5	304.6	
+15	13.7	304.4	
T.P. sat	313.86v	9.53	308.52
250 E			

-15	9.4	304.5
S	9.2	304.7
cb	9.2	304.7
1/4	7.8	306.1
+5	6.9	307.0
+9	5.7	308.2
C	5.5	308.4
+8	4.9	309.0
1/4	5.2	308.7
cb	4.6	309.3
N	3.7	310.2
+10	2.6	311.3

270 E = WL ALTADENA

60' wide

-10	2.4	311.5	12' cbs
N	3.6	310.3	
cb	4.8	309.1	

31386

1/4	5.7	308.2
c	6.0	307.9
+8	6.8	307.1
1/4	8.2	305.6
+7	9.7	304.2
cb	12.0	301.9
+5	11.0	302.9
s	9.2	304.7
+15	9.4	304.7
	wL +5	
-15	12.2	301.7
s	12.2	301.7
+5	10.6	303.3
cb	10.3	303.6
+7	9.0	304.9
+10	8.6	305.3
1/4	7.4	306.5
	wcb	
-15	10.3	303.6
s	9.9	304.0
+3	10.1	303.8
+5	12.1	301.8
+10	11.0	302.9
+11	9.6	304.3
cb	9.1	304.8
+10	8.3	305.6

31386

Orange 222

1/4	7.2	306.7
c	6.6	307.3
1/4	5.7	308.2
cb	4.9	309.0
w	2.6	310.3
+10	2.9	311.0
	w 1/4	
-10	2.4	311.5
w	3.6	310.3
cb	5.2	308.7
1/4	6.0	307.9
c	6.6	307.3
1/4	7.3	306.6
cb	7.8	306.1
+4	9.4	304.5
+10	9.5	304.4
+13	8.3	305.6
s	8.1	305.8
+15	8.0	305.9
	φ	
-15	8.4	305.5
s	8.2	305.7
cb	7.6	306.3
1/4	7.5	306.4
c	6.7	307.2
1/4	6.3	307.6

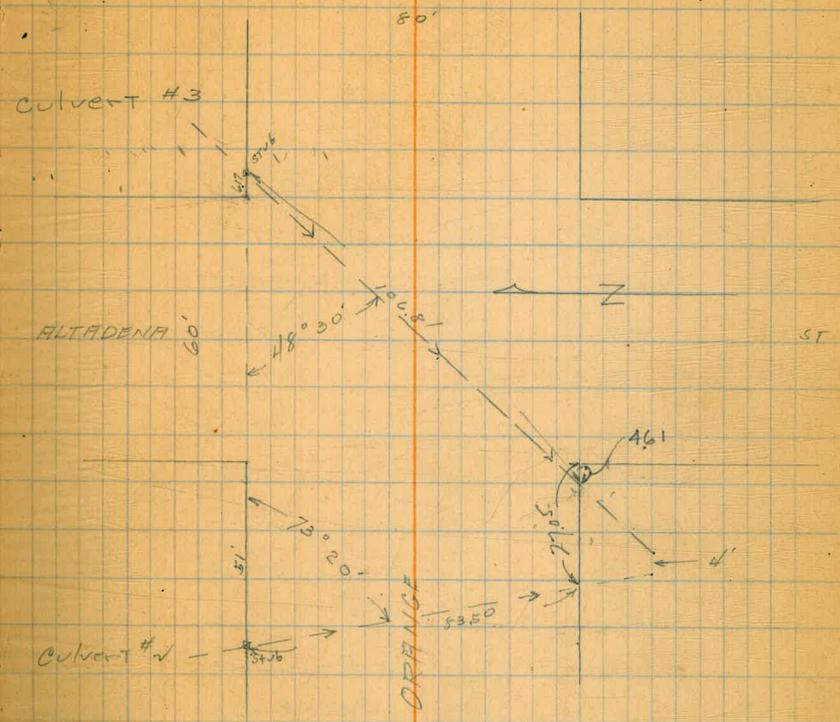
Level Notes Culvert #2

313.86 π

00 ± 10' N of NL = inlet	3.9	310.0	
0+10 = NL Orange	4.9	309.77	stub
+43	4.2	309.7	
+57	5.4	308.5	
+64	7.0	306.9	
+80	7.7	306.2	
+90 = east Orange	9.2	304.7	
1+10 = outlet	9.4	304.5	

Culvert #3

15' N of NL = inlet	6.8	307.1	
0+15 = NL Orange	7.5	306.4	
0+30	8.1	305.8	
+34	8.9	305.0	
+35 = inlet of existing 18" concrete	9.8	304.1	
+37	9.8	304.1	
+39	8.0	305.9	
+42	7.5	306.4	
+45	6.6	307.3	
+70	6.7	307.2	
+88	7.6	306.3	
+90	7.7	306.7	
1+00	10.0	303.9	
+10	10.6	303.3	
+11	11.4	302.5	



313.86 π

1+14	11.2	302.7
+16	9.2	304.7
+21.8 = SL	9.1	304.8
+47.6 = outlet	9.4	304.5

313.86

1/4 + 5	5.7	308.2
cb	5.3	308.6
N	4.0	309.9
+10	2.4	311.5
E + 4		
-10	2.4	311.5
N	3.6	310.3
cb	5.5	308.4
1/4	6.5	307.4
E 1/4		
-10	5.2	308.7
N	5.7	308.6
cb	6.3	307.6
1/4	6.6	307.3
C	6.9	307.0
1/4	7.3	306.6
cb	7.6	306.3
S	7.9	306.0
+15	8.2	305.7
E cb		
-15	8.2	305.7
S	7.8	306.1
cb	7.3	306.6
1/4	7.2	306.7
C	7.0	306.9
1/4	6.6	307.3

313.86

orange 24²

+5	7.0	306.9
+9	8.0	305.9
cb	8.5	305.4
N	8.3	305.6
+15	7.7	306.2
EL FITADONG		
-15	7.3	306.6
N	7.4	306.5
+10	7.8	306.1
cb	7.5	306.4
1/4	7.0	306.9
C	7.1	306.8
1/4	7.2	306.7
cb	7.4	306.5
S	7.7	306.2
+15	7.7	306.2
T.P. ^{hole} 10.3 / 318.29	5.88	307.98
15' E		
-15	10.9	307.4
S	11.1	307.2
cb	11.3	307.0
1/4	11.1	307.2
C	11.3	307.0
1/4	11.1	306.2
cb	11.4	306.9

Cont. page 35

Culvert Notes

Trias St West side

0+6.5 S	-1.0
0+14	-6.0
0+20	-12.0
0+22	-17.0

Trias + East side

0+6.0	-1.0
0+13	-5.0
0+20	-13.0
0+25	-18.5

Crescent Drive Culvt.

0+09	^{HJ} 224.17	Ob. 224.17	Ob elev = H.I. West
0+33		+0.5 ✓ 224.7	East curb same elev
0+52		-1.8 ✓ 222.4	about 5' below trias
0+70		-5.0 ✓ 219.2	
0+82		-10.0 ✓ 214.2	
0+93		-15.0 ✓ 209.2	
1+06		-20.0 ✓ 204.2	
1+18		-25.0 ✓ 199.2	
1+28		-30.0 ✓ 194.2	
1+38		-35.0 ✓ 189.2	
		-40.0 ✓ 184.2	

H.T. end of SW

Ambudia St South end
Culvert

0+45.5 - 2.0
0+50 - 7.0
1 1/2 to 1 slope 60'

0+00 = Prop line
H.I. = Top of curb

Whitman St culvert

0+14 ^{HI} 236.15 - 4.0
0+24 - 9.0
0+30 - 14.0

0+00 = curb line HI = Top of Curb

Hickory St.

0+00 = curb line
0+50 30° Rt ^{HI} 239.8 - 0.6 239.2
1+04 - 2.0 237.8
1+24 - 18.0 221.8
1+40 40° Rt - 22.0 217.8
1+49 - 27.0

Elev HI = Top Curb

8/30/76
Moore

8663
MONROE AVE. Cross Section/
30th ST TO OHIO ST.
80' wide
14' SW
13' NW

387.36

2727

SEBP	8211	387.36	378.95
		EL. 30th = 0+00	
S	on cement	8.08	379.28
cb	r cb	8.33	379.03
gut	on paving	8.76	378.60
1/4		8.48	378.88
c		8.22	379.14
1/4		8.21	379.15
gut		8.31	379.05
cb	on corr cb	7.87	379.49
N	r cor. 25'E	7.55	379.81
N		7.4	80.0
+5		8.3	79.1
cb		8.2	79.2
1/4		8.1	79.3
c		7.8	79.6
1/4		8.5	78.9
cb		8.2	79.2
S		7.9	79.5
	37'E		
S		7.9	79.5
cb		7.9	79.5
1/4		8.4	79.0
c		7.6	79.8
1/4		7.8	79.6

cb		7.7	379.7
N		7.2	80.2
	50'E		
N		6.8	80.6
cb		5.7	81.7
+10		5.7	81.7
1/4		7.3	80.1
c		7.3	80.1
1/4		7.7	79.7
+5		6.9	80.5
cb		7.3	80.1
S		7.7	79.7
	70'E		
S		7.6	79.8
cb		8.0	79.4
1/4		7.5	79.9
c		7.0	80.4
1/4		7.3	80.1
cb		6.9	80.5
N		6.6	80.8
	78'E		
N		6.4	81.0
cb		6.7	80.7
1/4		7.1	80.3
	88'E		
N		6.0	81.2

387.36

N + v		5.9	381.5
+5		5.0	82.4
cb		6.0	81.4
1/4		6.8	80.6
c		6.7	80.7
1/4		7.6	79.8
cb		7.8	79.6
S		7.5	79.9
	100' E		
S		6.5	80.9
cb		7.1	80.3
1/4		7.2	80.2
c		6.3	81.1
1/4		6.5	80.9
+5		5.5	81.9
cb		6.4	81.0
N		6.0	81.4
	106' E		
S		6.1	81.3
cb		7.1	80.3
	115' E		
N		5.1	82.3
+3		4.9	82.5
+5		4.0	83.4
cb		5.0	82.4
1/4		6.2	81.2

387.36

Monroe

288

c		6.0	381.4
1/4		6.8	80.6
cb		7.1	80.3
S		6.4	81.0
	135' E		
S		6.4	81.0
cb		6.5	80.9
1/4		6.2	81.2
c		5.5	81.9
1/4		5.8	81.6
cb		5.9	81.5
+10		4.9	82.5
N		5.3	82.1
	160' E = EL Alley		
N		4.4	83.0
cb		5.2	82.2
1/4		5.3	82.1
c		4.9	82.5
1/4		5.7	81.7
cb for ydge		6.1	81.3
cb cement		5.75	81.61
S on alley return		5.43	81.93
S for ydge		6.1	81.3
	180' E		
S cb (cement)		5.60	81.76
gut		6.0	81.4

50' cb & sidewalk to
 include in good return

38736

1/4		5.6	81.8
c		4.8	82.6
1/4		5.1	82.3
cb		4.8	82.6
N		4.3	83.1
	200'E		
N		4.0	83.4
cb		4.1	83.3
1/4		5.0	82.4
c		4.4	83.0
1/4		5.0	82.4
gut		5.5	81.9
S cement cb		5.22	82.14
	230'E		
S		5.0	82.4 E end cb.
cb (cement)		4.77	82.59 and sidewalk
gut		5.0	82.4
1/4		4.7	82.7
c		4.2	83.2
1/4		4.8	82.6
cb		4.8	82.6
N		4.2	83.2
	240'E		
N		4.0	83.4
cb		4.1	83.3
1/4		4.6	82.8

38736

Monroe 299

	250'E		
N		3.0	84.4
cb.		2.8	84.6
+7		3.4	84.0
+10		4.5	82.9
1/4		4.4	83.0
c		4.2	83.2
1/4		4.7	82.7
cb		4.5	82.9
S		4.2	83.2
	260'E		
S		3.5	83.9
+10		3.4	84.0
cb		4.4	83.0
1/4		4.7	82.7
	275'E		
S		4.1	83.3
cb		4.5	82.9
1/4		4.3	83.1
c		3.6	83.8
1/4		4.0	83.4
cb		3.4	84.0
N		3.0	84.4
	290'E		
S		2.7	84.7
+10		3.2	84.2

387.36

Monroo

3030

cb		4.1	383.3
1/4		4.0	83.4
	300' E =		
N		2.4	85.0
cb	on com return	2.74	84.62
gut		2.3	84.1
1/2		3.2	84.2
c		3.2	84.2
1/4		3.5	83.9
gut		4.1	83.3
cb	on com return	3.69	83.67
S.		3.3	84.1

20' wide

See Alley BIK in Univ Hots 9-25-23
 Adams to Madison Bet Idaho & Utah.

BM.	4.00	382.85	378.85	se Idaho & Madison
				00' N. line Madison.
W		4.37	378.48	cmt el
W		4.9	379.0	ground
E		4.9	378.0	
E		4.8	378.1	"
E		4.29	378.56	cmt el
				40' N
E		4.6	78.2	
C		4.5	78.3	
W		4.6	78.2	
				85' N. Double garage on E. 5' Back cmt floor
N		4.5	78.3	
C		4.7	78.1	
E		4.2	78.6	
45'		3.60	79.2	cmt floor
				110' N
E		4.7	78.1	
C		4.8	78.0	
W		4.2	78.6	
				120' N. garage on W Wood floor 2' Back
W-2		4.0	78.8	floor
				130' N
W		4.2	78.6	
C		3.9	79.0	
E		4.1	78.7	

PLOTTED

382.85
 152' N

3131

E		4.6	78.2	
E		4.5	78.3	
W		4.2	78.6	
				148' N garage on W. cmt floor 6.5' Back
W-65		3.7	79.1	floor
W		3.7	79.1	
E		4.0	78.8	
E		4.3	78.5	
				200' N
E		4.1	78.7	
C		4.3	78.5	
W		3.9	79.0	
				230' N
W		3.6	79.2	
E		3.3	79.5	
E		3.2	79.6	
				255' N
E		3.0	79.8	
C		2.7	80.1	
W		3.1	79.7	
				300' N
W		2.6	80.2	
C		2.6	80.2	
E		2.2	80.6	
T.P.	8.06	388.59	2.32	380.53 v

388.59
 317' N Garage on E. emb floor 4' Back
 E-4 7.60 381.0 floor
 E 8.0 80.6
 C 8.1 80.5
 W 8.2 80.4

335' N garage on E dirt floor 9.5 Back
 N 7.0 81.6
 C 7.4 81.2
 E 7.8 80.8

370' N
 E 6.9 81.7
 C 7.4 81.2
 W 7.5 81.1

400' N
 W 6.8 81.8
 C 6.5 82.1
 E 5.5 83.1

420' N
 E 6.2 82.4
 C 6.2 82.6
 W 6.1 82.5

460' N
 W 4.8 83.8
 C 5.4 83.2
 E 5.5 83.1

Alley BIK 14.24th 32
 32

388.59
 497' N garage on E wood floor 0.4 Back
 E 4.5 384.1 floor
 C 5.3 83.3
 W 4.2 84.4

532' N garage on W emb floor 7.4 Back
 W-7.4 3.6 85.0 floor
 W 4.4 84.2
 C 4.5 84.1
 E 4.3 84.3

565' N
 E 3.9 84.7
 C 3.7 84.9
 W 4.0 84.6

590' N
 W 3.9 84.7
 C 3.5 85.1
 E 3.7 84.9

600' N = S. Lim Adams Ave
 E 2.80 85.79 emb cl
 E 2.90 85.69 Paving
 C 3.20 85.39
 W 2.90 85.60 emb cl
 W 2.98 85.61 Paving

2 See Alley BIK 25 Univ Hqts 9-25-20
mills

33 33

B.M.	5.09	359.67	354.58	N.E. Adams & Park Blvd
4' N of S. line Adams on S. end Alley Returns				
E			4.20	ent ch
E			4.3	
W	see Book 1146/59		4.05	ent ch
00 = S. line Adams				
N			4.2	
E			4.5	
E			4.2	
62' S garage on E ent floor 2.7 Back				
E-21			4.70	floor
E			5.1	ent apron
E			5.2	
W			5.6	"
80' S garage on W ent floor 3.4 " 4' Back				
W-34			5.20	floor
W			5.45	apron
E			5.7	
E			5.40	apron
+4			5.30	floor
125' S double garage on E ent floor 0.5 Back				
E			6.0	floor
E			6.3	
W			6.5	

359.67

180' S double garage on E ent floor 2.7 Back				
E			7.0	
E			6.5	
E			6.4	
+21			6.20	floor
195' S garage on W dirt floor 6.5 Back				
E			6.7	
E			6.8	
W			7.3	
+65			6.8	floor
220' S: N End 4 garages on W dirt floor 5' Back				
W-5			7.0	floor
W			7.0	
E			7.1	
E			7.6	
253' S: S. end 4 garages on W dirt floors 5' Back				
W-8			7.7	
E			7.3	
W			7.2	
+5			7.2	floor
T.P.	4.60	357.09	7.18	352.49
280' S garage on W ent floor 7' Back				
W			4.2	
E			4.6	
E			5.0	

double 357.09
 305' S garage on E dirt floor 6' Back
 E-6 4.1 floor

E 4.3
 C 4.8
 W 4.5

garage on W. dirt floor 6' Back
 335' S double garage on C dirt floor 6.0 Back

N-6 4.05 floor

W 4.4
 C 4.8
 C 4.8

+6 4.4 floor

garage on W dirt floor 5' Back
 355' S double garage on E dirt floor 6.11 Back

E-6 4.6 floor

E 4.7
 C 4.8
 W 4.6

+5 4.5 floor

garage on W. dirt floor 5' Back
 375' S " " E " " " " " "

W-5 5.0 floor

W 5.0
 C 4.9
 E 4.7
 +6 4.7 floor

357.09

4114 BIK 25 U.H.

344

400's double doors to Dryworks on E dirt floor 5.5 Back

E-5.5 4.90 floor

E 5.1
 E 5.1
 W 5.3

468's = N. Line Madison Ave

W 5.24 PAVING + dirt el

C 5.45 PAVING

E 5.30 " dirt el

T.P. 5.06 356.65 5.50 351.59

chk on BM 5.25 351.40 OK

Cross Section of Orange Fluv
318.29 from page 24

350

N	11.1	307.2
+20	11.4	307.1
50' E		
-20	10.2	308.1
N	10.5	307.8
cb	10.8	307.5
1/4	10.9	307.4
c	10.9	307.4
1/4	10.8	307.5
cb	10.9	307.4
s	11.0	307.3
+20	10.7	307.6

75' E

-20	9.9	308.4
s	9.9	308.4
cb	10.1	308.2
1/4	10.5	307.8
e	10.7	307.6
1/4	10.7	307.6
cb	10.6	307.7
N	10.2	308.1
+10	12.6	305.7
+15	11.7	306.6
+20	11.7	306.6

318.29

100' E

-20	10.6	307.7
-10	11.1	307.2
-5	12.5	305.8
N	10.4	307.9
cb	10.3	308.0
1/4	10.3	308.0
c	9.8	308.5
1/4	9.6	308.7
cb	9.8	308.5
s	9.6	308.7
+20	9.3	309.0

125' E

-20	8.5	309.8
s	8.7	309.6
cb	8.7	309.6
1/4	8.9	309.4
c	8.3	310.0
1/4	8.9	309.4
cb	9.7	308.6
N	9.8	308.5
+20	10.8	307.5

150' E

-20	10.5	307.8
-12	9.2	309.1
N	8.8	309.5

318.29

cb	8.5	309.9
1/4	8.0	310.3
+4	7.9	310.4
+7	6.8	311.5
c	6.8	311.5
+6	6.3	312.0
+10	7.4	310.9
1/4	7.5	310.8
cb	7.5	310.8
S	7.2	311.1
+20	7.2	311.1

175'E

-15	5.3	313.0
S	5.3	313.0
cb	5.3	313.0
1/4	5.3	313.0
+6	3.6	314.7
c	4.4	313.9
+7	4.3	314.0
+11	6.3	312.0
1/4	6.5	311.8
cb	7.1	311.2
N	7.3	311.0
+20	8.0	310.3

200'E

-20	7.3	311.0
-----	-----	-------

318.29

Orange

3636

N	6.1	312.2
cb	5.5	312.8
1/4	4.6	313.7
+6	1.4	316.9
c	1.7	316.6
+8	1.0	317.3
1/4	2.7	315.6
cb	3.0	315.3
S	2.8	315.5
+15	2.8	315.5
TP	1287	33033.1
	0.83	317.46

225'E

-10	10.7	319.6
S	11.4	318.9
cb	12.0	318.3
+10	12.0	318.3
1/4	10.9	319.4
+5	9.7	320.6
c	10.4	319.9
+6	10.1	320.2
1/4	13.9	316.4
cb	15.1	315.2
N	15.8	314.5
+20	17.2	313.1

250'E

-15	13.6	316.7
-----	------	-------

330.33

N	12.1	3182	
cb	11.0	3193	
+10	9.4	3209	
1/4	8.1	3222	
+5	5.5	3248	
C	6.1	3242	
+10	5.7	3246	
1/4	6.8	3235	
cb	6.9	3234	
S	5.4	3249	
+10	4.7	3256	
	270° E = W L 51	12' CBS 9' W.S.	
-10	0.4	3291	
S	0.0	3303	✓
cb	0.4	3299	✓
1/4	1.4	3289	✓
C	1.9	3284	✓
+10	1.6	3287	
1/4	2.5	3278	✓
cb	5.0	3253	✓
N	6.9	3234	✓
+15	8.1	3222	
	WCB		
-5	3.4	3269	
N	2.9	3274	✓
cb	1.4	3287	✓

330.33

Orange 37³⁷

1/4		0.6	329.7	✓
T.P.	12.94	342.89	0.38	329.95
C		12.4	330.5	✓
1/4		11.5	331.5	✓
cb		11.1	331.8	✓
S		10.0	332.9	✓
	W 1/4			
S		9.3	333.6	✓
cb		10.3	332.6	✓
1/4		10.5	332.4	✓
C		11.2	331.7	✓
1/4		12.1	330.8	✓
cb		13.5	329.1	✓
N		15.2	327.7	✓
+10		16.0	326.9	
	±			
-10		16.3	326.6	
N		14.6	328.6	✓
cb		13.5	329.4	✓
1/4		11.4	331.5	✓
C		10.2	332.7	✓
1/4		9.2	333.7	✓
cb		9.0	333.9	✓
S		8.8	334.1	✓
	E 1/4			
S		7.1	335.8	✓

34v.89

cb	7.4	335.5	✓
1/4	8.0	334.9	✓
C	8.6	334.3	✓
1/4	9.3	333.6	✓
cb	11.1	331.8	✓
N	11.6	331.3	✓
+10	12.8	330.1	
-10	9.4	333.5	
N	8.4	334.5	✓
cb	7.4	335.5	✓
+6	7.0	335.9	
1/4	7.~	335.7	✓
C	6.8	336.1	✓
1/2	6.~	336.7	✓
+4	6.4	336.5	
+8	5.0	337.9	
cb	4.8	338.1	✓
S	4.3	338.6	✓
S	2.0	340.9	✓
cb	2.6	340.3	✓
+6	2.9	340.0	
+11	4.~	338.7	
1/4	3.9	339.0	✓
C	4.5	338.4	✓

EC6

EV 5/05

34v.89

Orange

38₃₅

1/4	4.8	338.1	✓
+6	4.~	338.7	
cb	4.4	338.5	
N	5.4	337.5	✓
T.P. 1295	355.37	0.47	342.47
25'E			
N	12.4	343.0	
cb	11.7	343.7	
+5	11.5	343.9	
+8	12.8	342.6	
1/4	12.7	342.7	
C	12.5	342.9	
1/4	12.2	343.2	
+5	12.2	343.2	
+9	10.4	345.0	
cb	10.4	345.0	
S	10.5	344.9	
S	6.6	348.8	
cb	6.8	348.6	
+5	6.9	348.5	
+8	7.8	347.6	
1/4	7.5	347.9	
C	7.4	348.0	
1/4	8.1	345.3	
+8	6.6	348.8	

50'E

355.37

cb			6.3	349.1
N			7.2	348.2
	75'E			
N			1.4	354.0
cb			1.1	354.3
+5			1.3	354.1
+8			2.6	352.9
1/4			2.9	352.5
C			2.6	352.8
1/4			2.9	352.5
+4			3.1	352.3
+7			2.2	353.2
cb			1.9	353.5
S			2.8	352.6
T.P.	1285	368.22	0.00	355.37
	100'E			
S			12.4	355.8
cb			11.9	356.3
1/4			12.0	356.2
C			11.9	356.3
1/4			11.4	356.8
+7			11.5	356.7
+10			10.5	357.7
cb			10.5	357.7
N			10.9	357.3

368.22

Orange

39 39

125'E

N			6.6	361.6
cb			6.4	361.8
+5			6.6	361.6
1/4			7.2	361.0
C			7.6	360.6
1/4			7.7	360.5
cb			7.8	360.4
S			8.9	359.3
	150'E			
S			5.1	363.1
cb			3.2	365.0
+8			2.5	365.7
+10			3.1	365.1
1/4			3.0	365.2
C			2.6	365.6
+7			3.1	365.1
1/4			3.0	365.2
+2			2.3	365.9
+6			1.5	366.7
cb			1.2	367.0
N			1.6	366.6
T.P.	1265	380.85	0.02	368.20
	175'E			
N			8.7	372.2
cb			9.2	371.7
+6			9.7	371.2

380.55

eb + q	10.9	370.0
1/4	10.8	370.1
c	10.8	370.1
1/4	11.6	369.3
cb	11.9	369.0
S	12.6	368.3
	200'E	
S	9.2	371.7
cb	7.9	373.0
+8	7.3	373.6
+10	8.1	372.8
1/4	7.7	373.2
c	6.9	374.0
1/4	6.6	374.3
+f	6.2	374.7
+7	5.4	375.5
cb	5.5	375.4
+5	4.7	376.2
N	4.3	376.6
	225'E	
N	2.1	378.8
cb	2.4	378.5
+7	2.5	378.4
+9	3.4	377.5
1/4	3.4	377.5
c	3.7	377.2

380.55

Orange 4040

1/4	4.2	376.7
+2	4.0	376.9
cb	4.4	376.5
S	5.5	375.4
	250'E	
S	3.3	377.6
cb	2.5	378.4
+10	1.9	379.0
1/4	2.4	378.5
c	2.2	378.7
1/4	2.3	378.6
+2	2.3	378.6
+5	1.3	379.6
cb	1.2	379.7
N	0.6	380.3
TP 1174	392.29	0.30 380.55.
	270'E = W/L 52nd	10' cbs
N	11.3	381.0
cb	11.7	380.6
1/4	13.0	379.3
c	13.0	379.3
1/4	13.1	379.2
cb	13.0	379.3
S	13.9	378.4

392.29

Sec A - S Orange to West

W + 5 th md	13.9	378.4
+4	13.9	378.4
+8	16.0	376.3
cb	16.1	376.2
1/4	15.8	376.5
c	16.0	376.3
1/4	15.7	376.6
cb	16.2	376.1
EV	16.8	375.5

Sec B = S cb orange to west

E	14.3	378.0
cb	13.9	378.4
1/4	13.6	378.7
c	14.0	378.3
1/4	14.7	377.6
cb	14.6	377.7
+3	14.6	377.7
+6	13.2	379.1
W	13.0	379.3

Sec C = S 1/4 Orange to west

W	13.1	379.2
cb	13.9	378.4
1/4	13.6	378.7
c	13.3	379.0
1/4	12.4	379.9

392.29

Orange 41

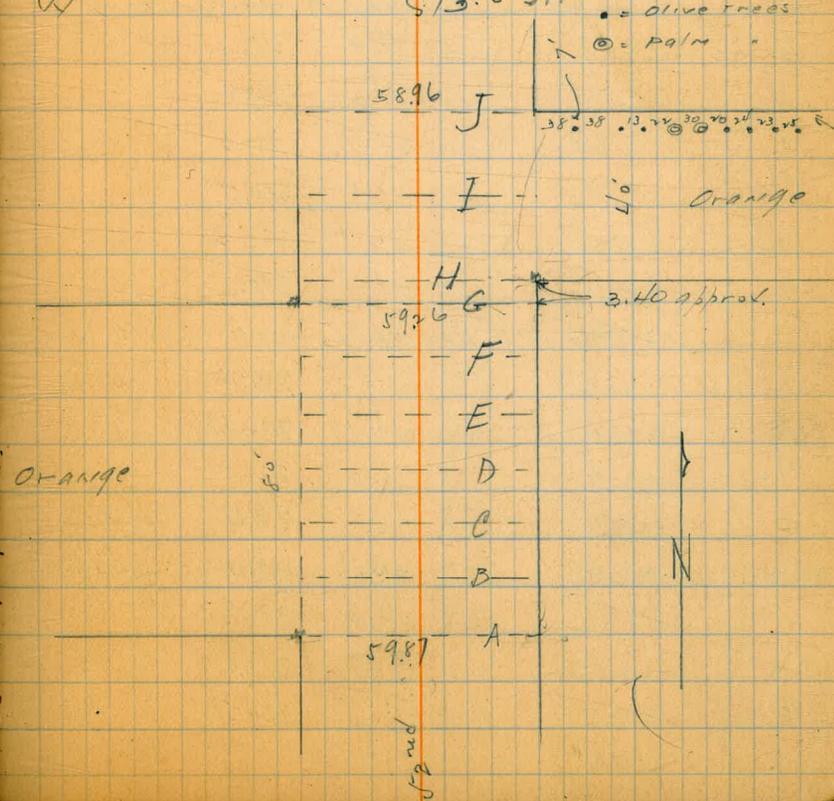
cb	12.0	380.3
E	12.0	380.3

Sec D = S Orange to west

E	10.8	381.5
cb	10.9	381.4
1/4	11.8	380.5
c	12.3	380.0
1/4	12.7	379.6
cb	12.9	379.4
W	13.0	379.3

• = olive trees

⊙ = Palm



39229

Sec E = N 1/4 orange to west

w/	13.0	3793
cb	12.7	3796
1/4	12.2	3801
c	12.1	3802
1/4	11.5	3808
cb	10.1	3822
E	9.9	3824

Sec F = N cb of orange to west

E	8.7	3836
cb	9.3	3830
1/4	11.0	3813
c	11.7	3806
1/4	11.8	3805
cb	12.1	3802
w/	11.7	3806

Sec G = NW orange to west

w/	11.3	3810
cb	11.7	3806
1/4	11.3	3810
c	10.7	3816
1/4	10.7	3816
+7	9.0	3833
cb	8.8	3835
E	7.8	3845

39229

Orange 42

Sec H = SE orange 1/4 inside to east

E	7.7	3846
cb	8.8	3835
+6	10.3	3820
1/4	10.7	3816
c	10.7	3816
1/4	11.3	3810
cb	11.7	3806
w/	11.3	3810

Sec I = E orange to east

w/	10.6	3817
cb	11.2	3811
1/4	10.8	3815
c	10.4	3819
+8	10.1	3822
1/4	9.4	3829
cb	7.7	3846
E	7.2	3851

Sec J = NW orange to east

E	7.1	3852
cb	7.7	3846
1/4	9.0	3833
c	9.8	3825
1/4	10.2	3821
cb	10.5	3818
w/	10.3	3820

397.29

Orange 40' wide.
5 cbs

0+00 = EL 52 md

S	7.7	384.6
cb	7.9	384.4
c	7.2	385.1
cb.	7.1	385.2
N	7.1	385.2

0+50

N	3.8	388.5
cb	3.6	388.7
c	4.9	387.4
cb	4.9	387.4
S	5.2	387.1

1+00

S	2.5	389.8	
cb.	2.5	389.8	
c	2.4	389.9	
cb	1.8	390.5	
N	1.6	390.7	
T.P.	5.63	397.70	
	1+42	0.22	392.07

N	5.2	392.5
cb	5.2	392.5
c	5.8	391.9
cb	5.8	391.9
S	5.9	391.8

397.70

Orange 43

1+80

S	5.9	391.8
cb	5.9	391.8
c	5.7	392.0
cb	5.5	392.2
N	5.2	392.5

2+20

N	6.5	391.2
cb	6.4	391.3
c	6.5	391.2
cb	6.4	391.3
S	6.5	391.2

2+80

S	6.8	390.9
cb	6.9	390.8
c	6.9	390.8
cb	6.6	391.1
N	6.3	391.4

3+15

N	5.5	392.2
cb	5.8	391.9
c	6.4	391.3
cb	6.5	391.2
S	6.3	391.4

3+50

S	5.0	392.7
cb	5.0	392.7

397.70

c		4.9	392.8
cb		4.7	393.0
N		4.6	393.1
	3+75		
N		3.9	393.8
cb		3.6	394.1
+10		3.8	393.9
cb		4.6	393.1
+10		4.3	393.4
cb		3.9	393.8
S		3.7	394.0
	4+00		
S		6.7	391.0
cb		6.7	391.0
+7		7.0	390.7
c		7.7	390.0
+v		6.9	390.8
cb		5.5	392.2
N		5.8	391.9
	4+40		
N		11.3	386.4
cb		12.2	385.5
c		13.1	384.6
+7		12.7	385.0
cb		12.8	384.9
S		12.8	384.9
T.P	1.0v	385.78	12.9v 384.76

385.78

Orange 44

	4+75		
S		6.0	379.8
cb		5.6	380.2
c		5.2	380.6
cb		3.9	381.9
N		3.5	382.3
	5+00		
N		5.4	381.4
cb		6.0	379.8
c		7.8	378.0
cb		8.6	377.2
S		8.7	377.1
+5		9.4	376.4
	5+50		
-5		14.0	371.8
S		12.2	373.6
cb		11.5	374.3
c		10.9	374.9
cb		9.1	376.7
N		8.5	377.3
	6+00		
N		10.7	375.1
cb		11.5	374.3
c		13.5	372.3
cb		14.4	371.4
S		14.8	371.0
+5		15.4	370.4

Orange

	385.78			
T.P.	5.88	378.65	130'	374.77
	6+50			
-10			13.4	365.5
S			10.6	368.1
cb			10.2	368.5
C			8.5	370.2
cb			6.8	371.9
N			5.9	372.8
	6+64 = fig tree 5' N of 5L			
	7+09			
N			7.1	371.6
cb			8.0	370.7
C			9.9	368.8
+10	fig tree			
cb			11.5	367.2
S			12.0	366.7
+5			13.3	365.4
+10			14.2	364.5
	7+60			
-10			12.2	366.5
-5			11.3	367.4
S			10.6	368.1
cb = fig tree			10.4	368.3
C			9.2	369.5
cb			7.9	370.9
N			7.5	371.2

8+07

N		6.6	372.1
cb		7.2	371.5
C		8.1	370.6
cb = fig tree		9.0	369.7
S		9.9	368.8
+5		10.2	368.5
	8+55		
-5		9.2	369.4
S		8.6	370.1
cb = fig tree		8.3	370.4
C		7.5	371.2
cb		6.4	372.3
N		5.6	373.1
	9+04		
N		4.2	374.5
cb		4.7	374.0
C		5.8	372.9
cb = fig tree		6.5	372.2
S		7.2	371.5
+5		7.9	370.9
	9+52		
-5		7.2	371.5
S		6.2	372.5
cb = beginning of row of		5.5	373.2
C		4.9	373.7
cb		2.9	375.8
N		2.6	376.1

2' trees 2' apart
373.2' distance on South

378.65

T.P. 9.90 388.48 0.07 378.58

10+00

N 7.8 380.7

cb 7.8 380.7

+5 8.9 379.6

C 9.7 378.8

+5 11.3 377.2

cb 11.9 376.6

S 12.3 376.2

+5 13.8 374.7

10+53 beginning row olive trees in North 6' soil

N 2.8 385.7

cb 3.0 385.5

C 3.7 384.8

+5 5.2 383.3

cb 5.7 382.8

S 6.7 381.8

+8 11.3 377.2

11+00

-10 9.8 378.7

S 5.0 383.5

cb 3.6 384.9

+10 3.4 385.1

C 2.4 386.1

cb 1.1 387.3

N 1.1 387.3

388.48

Orange 46

T.P. 4.70 392.09 1.09 387.39

11+50

N 3.4 388.7

cb 3.6 388.5

C 5.0 387.1

+5 5.9 386.2

cb 6.6 385.5

S 7.7 384.4

+10 11.2 380.9

12+00

-10 9.6 382.5

S 6.8 385.3

cb 5.9 386.2

+10 5.4 386.7

C 3.9 388.2

cb 2.9 389.2

N 2.8 389.3

12+50

N 1.8 390.3

cb 1.9 390.2

C 3.2 388.9

+5 4.8 387.3

cb 5.3 386.8

S 6.2 385.9

+10 8.9 383.2

	13700	392.09		
-10			7.0	385.1
S			4.1	388.0
cb			3.5	388.6
+10			3.1	389.0
C			2.4	389.7
cb			1.0	391.1
N			0.8	391.3
T.P.	4.9	394.75	163	390.46
	13+50			
N			3.0	391.8
cb			3.4	391.4
C			4.6	392.2
cb			5.0	389.8
S			5.5	389.3
+5			6.9	387.9
	14+00			
S			5.0	389.8
cb			4.7	390.1
C			4.7	390.1
cb			4.0	390.8
N			3.7	391.1
	14+50			
N			6.7	388.1
cb			7.0	387.9
C			7.2	387.6
+8			7.2	387.6

	394.75	Orange 47		
cb		6.4	388.4	
S		6.2	388.6	
	144.75			
S		9.6	385.2	
cb		9.6	385.2	
C		10.7	384.1	
cb		10.6	384.2	
N		10.4	384.4	
T.P.	0.05	381.93	12.87	381.88
	15+25			
N			7.7	374.2
cb			7.4	374.5
C			6.2	375.7
+10			6.7	375.2
cb			5.2	376.7
S			5.3	376.6
	15+55			
S			10.5	371.4
cb			10.7	371.2
C			11.6	370.3
cb			12.3	369.6
N			12.3	369.6
+5			12.6	369.3
T.P.	1.09	371.25	11.77	370.16
	15+905	Approd w/L Radio		
N			6.2	365.1
cb			6.0	365.3

37/25

48

c	5.6	365.7
cb	4.7	366.6
S	4.4	366.9

+25 to Radio Rd.

S	7.1	364.2
c	7.6	363.7
N	8.5	362.8

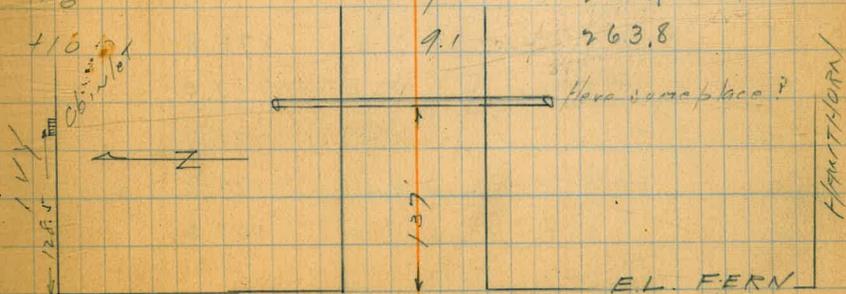
+50 to fence Cor approx EL Radio

N	9.3	362.0
c	8.8	362.5
S	7.5	363.8

11/24/26
Moore Cross Section of Alley 20' wide
BIK 4 WATKINS + BIDDLE

Fern to 31st
Hawthorn + Ivy
272.90

nw/SE	371	vs 0.75	2770	Fern/Hawthorn	N + S	6.7	266.2
EL Fern = 00					1+37 = Culvert		
S	out paving	2.83	277.92	-10	9.5	263.4	
C		2.95	277.80	-5	8.3	264.6	
N		2.60	278.15	N	5.8	267.1	
	0+50			+3	4.8	268.1	
N		3.7	277.1	C	5.7	267.2	
		3.7	277.1	+3	6.2	266.7	
S		3.9	276.9	+5	7.5	265.1	
	0+75			S	8.7	264.2	
S		5.2	275.6	+5	10.0	262.9	
C		5.2	275.6	+15	10.5	262.4	
N	5' wide wedge porch 0.6 in alley	5.1	275.7				
	0+83			1+42			
S	11' long porch 2.5 in alley			-10	10.3	262.6	
	1+00			S	8.5	262.2	
N		7.1	273.7	C	6.3	266.6	
C		7.8	273.0	N	4.8	268.1	
S		6.7	274.1	+6	9.0	263.9	
TP	413	vs 290	1198	+10	9.1	263.8	
	1+23						
-6		8.5	264.4				
S		7.4	265.5				
C		4.5	268.4				
+8		4.2	268.7				
N		5.1	267.8				



Look up grading plans for Ivy for location of culvert
Thru BIK 4 Watkins Biddle - Ivy to Hawthorn
Prop. owner says last winter culvert became clogged up

272.90

1+57

N			1.8	271.1
C			2.2	270.7
+3			2.5	270.4
S			5.7	267.2
+5			9.0	263.9
+10			9.7	263.2
T.P.	6.4w	278.31	10.1	271.89
	1+80			
-10			11.3	267.0
.5			11.0	267.3
S			7.6	270.7
+5			5.2	273.1
C			5.2	273.1
N			5.0	273.0

1+90

N & Garage 11' x 1' N.E.

2+00

N			4.5	273.8
C			5.3	273.0
+7			5.6	272.7
S			8.1	270.2
+5			9.0	269.3
	2+25			
S			4.8	273.5
C			4.8	273.5

278.31

50

SE HWY 31
278.05

N			4.3	274.0
	2+57			
N			4.5	273.8
C			5.0	273.3
+8.9	2 Cem Apron ^{16" wide}		4.93	273.385 ^{50% double garage}
	2+91			
S	fence 66' in alley		4.1	274.2
C			4.0	274.3
N			3.7	274.6
+5	& Garage dirt floor		3.5	274.8
	3+20			
N			0.9	277.4
C			2.6	275.7
S			3.6	274.7
T.P.	4.95	281.89	1.37	276.94
	3+39			
S			5.1	276.5
C			4.9	277.0
N			4.5	277.4
+9	& Garage Com floor		4.18	277.71
	3+87			
-1.5	& Cem Apron 20' wide		3.41	278.48
N			3.4	278.5
C			4.1	277.5
S			4.9	277.0

28189

	3+9N			
E	garage wood floor 3's of 5L	5.0	276.9	
	4+0V			
S	✓ dirt floor 03 N of 5L	4.2	277.7	
C		4.0	277.9	
N		3.1	278.5	
	4+35			
-8	garage dirt floor	4.7	279.2	
N		2.9	279.0	
C		3.3	278.6	
S		3.5	278.4	
	4+59			
S		2.9	279.0	
C		3.3	278.6	
N		3.2	278.7	
	4+91			
N	Apron Cem on line	2.7	279.2	
C		3.0	278.9	
S	✓ Garage dirt floor	2.7	279.2	
	5+05			
S	✓ Cem Apron 10' wide 15' ^{in alley}	2.7	279.2	garage on line
	5+38			
S		2.0	279.9	
C		1.8	280.1	
+9.8	Edge of Cem Apron ^{13' wide}	1.9	280.0	garage East entrance

28189

51

	5+88			
N		1.3	280.6	
C		1.2	280.7	
S		1.5	280.4	
	5+96.5 = W/L 31.07			
S	on paving	1.93	279.97	
C		2.09	279.81	
N		1.66	280.24	
TP	5+5 ✓ 85.37	1.97	279.9 ✓	
check DIT SEBF	Hornhorn 31.07	7.2 ✓	278.13	278.05

Plotted 12/7/26
JB Burgster

11/24/66 Cross Section of Alley 20' wide
Moore BIK 7 Reed + Hubbell's

28th to 29th
light to North. 67.59

52

NWIDP 856 67.59 59.03 North + 28th

EL 28th = 67.00

S	tot ab.	5.58	62.01	
C		5.3	62.3	
N	inside sidewalk	5.07	62.5	
	0+15			
N		4.1	63.5	
C		4.3	63.3	
S		4.0	63.6	
	0+45			
S	S. & Garage on inside	4.1	63.5	dirt floor
C		3.4	64.2	
C		3.2	64.4	
N		2.9	64.7	
	0+57			
N	S. & Garage cent floor	3.0	64.6	
C		2.9	64.7	
S		4.1	63.5	
	1+13			
S	S. & Building 10' in alley	2.8	64.8	
C		2.5	65.1	
N		2.2	65.4	
	1+33			
N		2.4	65.2	
C		2.6	65.0	
S	S. & cent Drive	3.04	64.55	

Plotted
11/27/66
H.P. Chace

	1+40			
N	A double garage	2.14	65.45	2' No. 2 N.L.
T.P.	4.5	69.17	2.87	64.7
	1+75			
S	shed on alley	4.9	64.3	
C		4.9	64.3	
N		4.9	64.3	
	2+00			
N		5.0	64.2	
C		5.1	64.1	
S	shed on alley	5.6	63.6	
	2+35			
S		5.6	63.6	
C		4.8	64.4	
N		5.6	63.6	
	2+60			
N		5.2	64.0	
C		4.6	64.6	
S		5.1	64.1	
S	S. & Garage cent floor	5.05	64.07	
	3+00			
S	ledge 10' in alley	4.2	65.0	
C		4.2	65.0	
N		4.1	65.1	

69.17

3+44	9' wide		
N. of Shed on alley	3.2	660.1	
C	3.6	656.1	
S	3.2	660.1	
3+78	15' wide		
S. of Corv. Brown	3.6	656.1 on line	
C	3.0	662.1	
N	2.3	669.1	
3+84			
N. Garage dirt floor	2.20	669.7	4' involunt
T.P. 4.25	2.23	66.94	
4+00			
N	4.0	67.2.1	
C	4.8	66.4.1	
S	5.7	65.7.1	
4+45			
S	4.3	66.9.1	
+3	5.0	66.2	
C	5.2	66.0.1	
N	4.6	66.6.1	
4+70			
-6 Garage dirt floor	5.2	66.0	
N	5.5	65.7.1	
C	5.9	65.2.1	
S	5.1	65.8.1	

Plotted 7.19
HP Chase

71.19

53

5+00			
S	7.0	64.2.1	
C	7.6	63.6.1	
N	7.5	63.7.1	
5+30	1/2 filled rock	Locate Culvert	
N	8.3	62.9.1	
C	8.4	62.8.1	
S	8.8	62.4.1	
5+75			
S	8.1	62.1.1	
C	7.9	63.3.1	
N	8.2	63.0.1	
6+00	walk 29+5		
N	inside edge walk	6.1.4	65.9.5
C		6.8	64.4.1
S	" " "	6.4.7	64.7.1
T.P. 4.30	67.90.1	7.5.9	64.60.1
at BM near Natl + 29th		5.9.7	61.9.3 ✓ 61.9.4

1/3/56
Moore

CROSS SECTION of VINO ST
STATE TO UNION
50 wide
10' cbs
75' 1/2"

161.88

Per Men	x 67	161.88	159.21	
FL	STATE =	0+00		
S		11.1	150.8 ✓	
cb		15.9	146.0 ✓	
1/5		18.8	143.1 ✓	
c		20.9	141.0 ✓	
1/2		23.2	138.7 ✓	
cb		25.0	136.9 ✓	
1/2		25.1	133.8 ✓	
+20		27.8	134.1 ✓	
	0+30			
1/2		18.8	143.1 ✓	
1/2		19.0	142.9 ✓	
cb		19.2	142.7 ✓	
1/2		17.8	144.1 ✓	
c		15.7	146.2 ✓	
1/2		13.5	148.4 ✓	
cb		11.5	150.4 ✓	
S		7.6	154.3 ✓	
+5		6.0	155.9 ✓	
	0+53			
S		0.9	161.0 ✓	
cb		4.2	157.7 ✓	
1/2		6.3	155.6 ✓	
c		8.5	153.4 ✓	
1/2		10.2	151.7 ✓	

cb		12.0	149.9 ✓	
1/2		12.3	149.6 ✓	
+15		12.0	149.9 ✓	
	0+63			
-15		8.8	153.1 ✓	
1/2		8.7	153.2 ✓	
cb		8.0	153.9 ✓	
1/2		6.8	155.1 ✓	
c		5.0	156.9 ✓	
1/2		2.6	159.3 ✓	
cb		0.1	161.8 ✓	
T.P	1187	173.45 ✓	0.30	161.58 ✓
S		9.9	163.6 ✓	
	0+82			
S		6.7	166.8 ✓	
cb		7.6	165.9 ✓	
1/2		8.4	165.1 ✓	
c		9.5	164.0 ✓	
1/2		10.0	163.5 ✓	
cb		11.9	161.6 ✓	
1/2		12.6	160.9 ✓	
+10		11.8	161.7 ✓	
	0+92			
-10		7.9	165.6 ✓	
1/2		8.2	165.1 ✓	
cb		8.0	165.5 ✓	

173.45

1/4	7.8	165.7	✓
c	7.2	166.3	✓
1/4	6.5	167.0	✓
cb	6.2	167.3	✓
S	5.0	168.5	✓

1+02

S	2.9	170.6	✓
cb	3.9	169.6	✓
1/4	4.9	168.6	✓
c	5.0	168.5	✓
1/4	5.3	168.2	✓
cb	5.8	167.7	✓
N	6.2	167.3	✓
+10	6.7	166.8	✓

1+25

N	1.3	172.2	✓		
cb	0.9	172.6	✓		
1/4	1.3	172.2	✓		
c	0.4	173.1	✓		
1/4	0.2	172.3	✓		
T.P.	12.9W	185.03	13.4	172.11	✓
cb	11.1	173.9	✓		
S	10.9	174.1	✓		

1+45

S	7.3	177.7	✓
cb	8.0	177.0	✓

185.03

1+20 55

1/4	8.4	176.6	✓		
c	8.2	176.8	✓		
1/4	8.3	176.7	✓		
cb	8.1	176.9	✓		
N	8.1	176.9	✓		
T.P.	8.08	194.60	8.5	184.52	✓

1+69

N	11.2	181.4	✓
cb	11.0	181.6	✓
1/4	10.8	181.8	✓
c	11.0	181.6	✓
1/4	10.6	182.0	✓
cb	10.3	182.3	✓
S	9.8	182.8	✓

1+85

S	6.2	186.4	✓
cb	6.1	186.5	✓
1/4	6.7	185.9	✓
c	6.6	186.0	✓
1/4	7.6	185.0	✓
cb	7.7	184.9	✓
N	8.2	184.2	✓

1+95

N	6.4	186.2	✓
cb	5.8	186.8	✓
1/4	5.3	187.3	✓

192.60

C	4.9	187.7 ✓
1/2	4.5	188.1 ✓
cb	4.0	188.6 ✓
S	3.3	189.3 ✓
1+99.5 = WL Union		
S on hub	3.07	189.53 ✓
cb	3.8	188.8 ✓
1/2	4.5	188.1 ✓
C	5.2	187.4 ✓
1/4	6.2	186.4 ✓
cb	7.3	185.3 ✓
1/4	8.6	184.0 ✓

Cross Section
UPAS ST.
STATE TO HORTON

50' wide
10' cbs 56

Mon	1290	172.11	159.1	UPAS STATE
EL STATE = 0+00				
-10			8.1	
1/4			6.8	
cb			4.5	
1/2			3.2	
C			1.8	
1/4			1.2	
cb			0.3	
T.P.	1241	184.52	0.00	172.11
S			11.7	
0+25				
S			7.0	
cb			7.7	
1/2			8.8	
C			10.2	
1/4			11.6	
cb			12.4	
1/4			14.2	
+10			15.4	
0+37				
-10			12.1	
1/4			11.4	
cb			10.2	
1/4			9.2	
C			8.1	

Transfer of 1169

Moore
initials

Cross Section of L Upas ST
INDIA to STATE

50' side
10' cb
7' 1/2

9565

Upas 57

JEER	11.7	95.65	83.93	Upas INDIA
6EL India = 0+00				
S	11.4		84.2	
cb. Top cart	11.66		84.0	
1/4	11.6		84.0	
C	11.6		84.2	
1/4	11.5		84.1	
cb	11.72		83.93	
1/4	11.3		84.3	
	0+12			
1/4	9.5		86.1	
cb	9.0		86.6	
+3	10.2		85.4	
1/4	10.5		85.1	
C	10.6		85.0	
1/4	11.3		84.3	
cb	11.5		84.1	
S	11.6		84.0	
	0+30			
S	11.6		84.0	
cb	11.2		84.4	
1/4	9.9		85.7	
C	8.1		87.5	
1/4	8.3		87.3	
cb	7.9		87.7	
+1	7.2		88.4	

Plotted on old profile
Larry (12-17-26)

+9	7.2		88.4
N	5.7		89.9
		0+46	
N	5.1		90.5
+8	5.5		90.1
cb	6.8		88.8
1/4	6.9		88.7
C	7.0		88.6
+1	2.8		92.8
1/4	0.8		94.8
cb	0.0		95.6
S	5.5		90.1
T.P.	12.90	108.35	0.20
		0+42	
S	7.5		100.9
cb	10.2		98.2
1/4	13.2		95.2
+6	15.4		93.0
C	19.5		88.9
1/4	19.6		88.8
cb	19.2		89.2
+4	18.0		90.4
N	17.4		91.0
		0+60	
N	15.2		93.2
+8	15.1		93.3

108.35

cb		16.9	91.5
1/4		16.8	91.6
c		16.8	91.6
+5		16.1	92.3
+6		11.8	96.6
1/4		11.3	97.1
cb		7.8	100.6
S		5.1	103.3
	0+80		
J		1.0	107.4
cb		5.5	102.9
+5		7.4	101.0
1/4		10.6	97.8
+4		11.2	97.2
+5		13.7	94.7
c		13.7	94.7
1/4		14.1	94.3
cb		14.1	94.3
+1		12.2	96.2
J		11.8	96.6
	1+00		
N		8.8	99.6
+9		9.0	99.4
cb		10.4	98.0
1/4		10.9	97.5
C		10.4	98.0

108.35

Up 90

58

+2		5.8	102.6
+6		6.4	102.0
1/4		4.0	104.4
cb		2.7	105.7
S		0.5	107.9
T.P	12.44	120.53	108.09 ✓
	1+25		
S		8.8	111.7
cb		9.7	110.8
1/4		11.1	109.4
+5		12.4	108.1
C		19.0	101.5
1/4		19.2	101.3
cb		18.9	101.6
+2		17.4	103.1
N		17.4	103.1
	1+52		
N	cam apron	13.4	107.1 <i>wide</i>
	1+60		
N		12.6	107.9
cb		13.4	107.1
1/4		13.6	106.9
C		13.6	106.9
+2		5.0	112.5
1/4		5.5	115.0
cb		4.0	116.5

12053

S		3.2	117.3
	1780		
S		0.8	119.7
cb		1.4	119.1
+5		2.5	118.0
1/4		3.5	117.0
+7		6.5	114.0
C		6.7	113.8
+2		10.5	110.0
1/4		10.9	109.6
cb		10.5	110.0
+1		8.7	111.8
✓		8.6	111.9

2+00 = old w/ Colum 619

✓		5.7	112.8
+8		6.1	114.6
cb		7.7	112.8
1/4		7.9	112.6
C		6.2	114.3
1/4		1.7	118.8
T.P.	1210 13254	0.09	120.44
cb		11.7	120.8
S		9.4	123.1

2+13 = New w/ Colum 619

S		7.4	125.1
cb		9.1	123.1

-50 wide
10' cbs
75 1/45
17.5 corrected

13254

UPAS

59

1/4		11.5	121.0
C		16.4	116.1
+5		17.4	115.1
1/4		18.2	114.3
cb		18.5	114.0
✓		17.2	115.1
	w/ cb		
✓	top com cb	17.6	114.9
cb		17.9	114.6
1/4		17.8	114.7
C		17.1	115.4
+1		13.2	119.3
1/4		11.7	120.8
cb		7.9	124.6
S		6.1	126.4
	w/ 1/4		
S		4.7	127.8
cb		6.6	125.9
1/4		9.0	123.5
+5		10.5	122.0
C		15.4	117.1
+2		17.2	115.3
1/4		17.6	114.9
cb		17.6	114.9
✓		17.5	115.0

132.54

φ Columbia

N	17.2	115.3
cb	17.3	115.2
1/4	17.7	114.8
+5	17.7	114.8
C	13.2	118.9
+1	10.8	121.7
1/4	8.4	124.1
+2	6.7	125.8
cb	5.3	127.2
S	3.4	129.1

E 1/4

S	1.9	130.6
cb	3.8	128.7
1/4	6.2	126.3
C	9.5	123.0
+1	15.5	117.0
1/4	17.5	115.0
cb	17.3	115.2
N	17.1	115.4

E cb

N to com cb	16.65	115.89
cb	17.1	115.4
1/4	16.7	115.8
C	15.3	117.2
+1	9.9	122.6
+2	6.7	125.8

132.54

Vp95 60

1/4	5.6	126.9
cb	2.7	129.8
S	0.7	131.8
T.P.	132.23	145.56 ✓ 0.21
NEW E.L.		132.33 ✓

S	12.9	132.7
cb	14.6	131.0
1/4	16.8	128.8
C	21.3	124.3
+1	27.6	118.0
1/4	28.1	117.5
cb	28.8	116.8
N	29.4	116.4

12.5' E of last section = old E.L. Columbia = 0400

N	25.5	116.8
cb	28.0	117.6
1/4	27.3	118.3
C	26.9	118.7
+1	17.2	128.4
1/4	15.0	130.6
cb	13.2	132.4
S	11.6	134.0

0425

S	8.3	137.3
cb	10.1	135.5
1/4	13.8	131.8

145.56

1/4+5	14.7	130.9
C	23.7	121.9
1/4	25.7	119.9
cb	25.8	119.8
N	26.3	119.3

0+43

x/	23.3	122.3
cb	23.0	122.6
1/4	22.8	122.8
C	21.8	123.8
+1	17.0	128.6
1/4	13.3	132.3
+4	11.6	134.0
cb	9.0	136.6
S	6.6	139.0

0+60

S	4.7	140.9
cb	7.3	138.3
1/4	10.5	135.1
+6	13.3	132.3
C	18.7	126.9
1/4	20.1	125.5
cb	20.0	125.6
N	21.2	124.4

0+93

N	15.1	130.5
---	------	-------

145.56

UPAS 61

cb	16.1	129.5
1/4	16.0	129.6
C	15.1	130.5
+1	15.0	130.6
+4	3.2	142.6
1/4	2.5	143.1
cb	0.6	145.0
T.P.	13.00	158.20 ✓ 0.36
S	11.7	146.5

1+25

S	4.2	151.0
cb	5.6	152.6
1/4	8.1	150.1
+4	8.7	149.5
C	20.5	137.7
+5	23.0	135.2
1/4	23.3	134.9
cb	23.0	135.2
N	22.4	135.8

1+50

N	15.3	139.9
cb	19.3	138.9
+3	20.2	138.0
1/4	19.3	138.9
C	17.3	140.9
+4	7.7	150.5

10

158.20

UPAS 62

1/4		6.4	151.8
cb		4.8	153.4
S		2.5	155.7
	1475		
S		0.5	157.7
cb		1.6	156.6
1/4		3.0	155.2
+d		4.5	153.7
c		11.5	146.7
+d		13.3	144.9
1/4		15.3	142.9
+d		15.6	142.6
cb		13.8	144.4
nt		13.6	144.6
	2400 = W/L STATE		
nt		9.3	148.9
cb		9.2	149.0
1/4		9.6	148.6
c		7.9	150.3
F3		1.7	156.5
1/4		0.7	157.5
T.P	8.05	166.06	0.19 158.01 ✓
cb		7.2	158.9
S		6.0	160.1
about and from	STATE UPAS	7.08	158.98 159.01 ✓

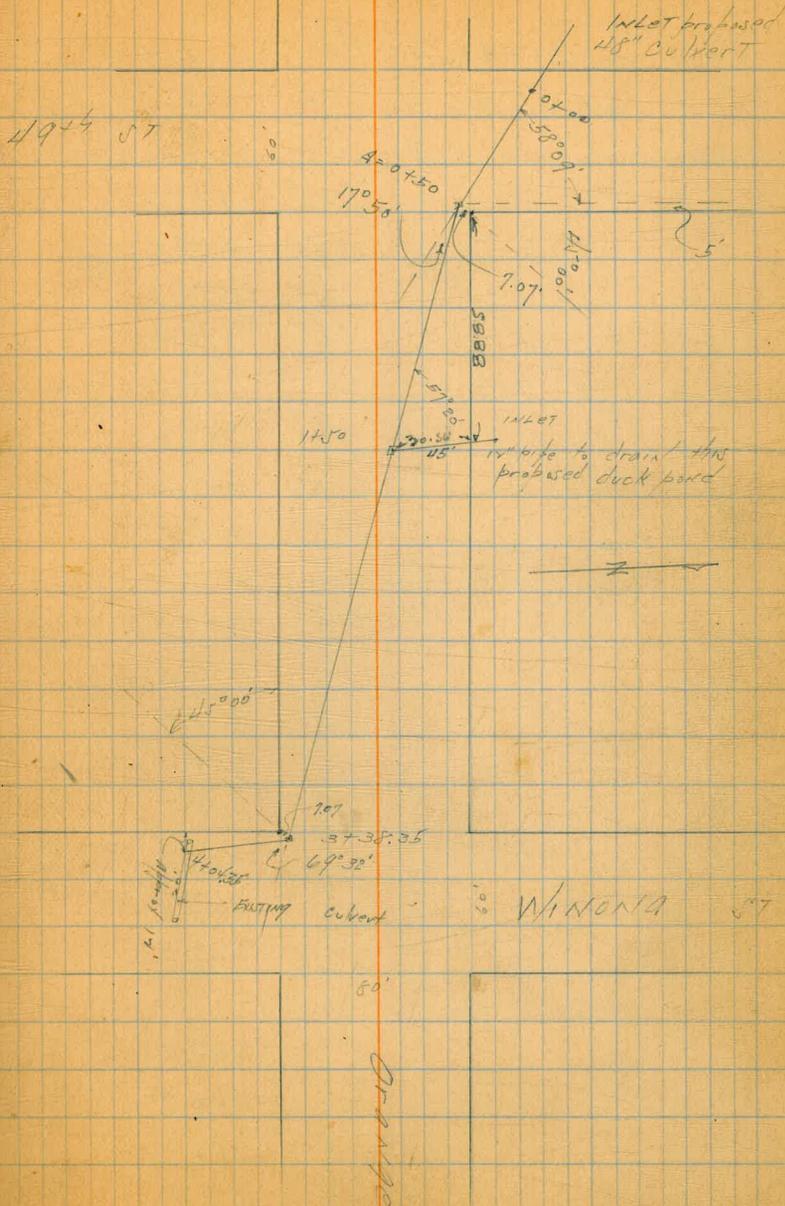
This B.M. is the BUNK
 should be 159.01

Relocation of Culvert at
Orange & 49th

9000
4/10/07

	Elev	330.11	321.59	note/info
0+00		10.1	320.0	
0+20		0.6	329.5	
0+40		0.0	330.1	
0+50 = Δ hub		4.9	325.92	
0+60		6.6	321.5	
1+00		11.5	318.6	
1+50 = Junction in culvert		13.08	317.03	hub
1/2 North of " " "		12.98	317.13	= inlet hub
T.P.	5.09	322.12	317.03	
2+00		6.6	315.5	
2+50		4.9	317.2	
3+00		4.3	317.8	
3+95.25 = Δ		5.4	316.71	
3+95.25	Approach to Orange	6.6	315.5	
3+63.35	" end of proposed 48"	5.8	313.3	culvert
4+06.35	existing at bank. Elevation fill has been removed washed away from pipe	12.0	310.1	

49th St



353.vv

		4.6	348.6
		4.8	348.4
N=		4.6	348.6
	048010 = P.C. on NW - 60' wide w/ cbs		
N		4.8	348.4
cb		4.8	348.4
1/4	2131 = 51' + 4' + 1' = 28.31	4.7	348.5
e		4.8	348.4
1/4		4.9	348.3
cb		4.7	348.5
S		4.9	348.3
	1+0841		
S		5.1	348.1
cb		5.0	348.2
1/4		5.0	348.2
c		4.9	348.3
1/4		4.7	348.5
cb		4.7	348.5
N		4.9	348.3
	1+36.7v		
N		4.9	348.3
cb		4.7	348.5
1/4		4.8	348.4
c		4.6	348.6
1/4		5.1	348.1
cb		5.0	348.2

353.vv

004-Cross 65

S		5.0	348.2
	1+65.03		
S		5.1	348.1
cb		5.6	347.6
1/4		5.0	348.2
e		4.7	348.5
1/4		5.0	348.2
cb		5.1	348.1
N		5.1	348.0
	* 1+93.34 = E.C.		
N		5.1	348.0
cb		5.5	347.7
1/4		5.1	348.0
e		4.6	348.6
1/4		4.9	348.3
cb		5.0	348.2
S		5.1	348.1
TP	2.6v 350.50	5.34	347.88
	2+65.29 = c. west of w/ of 50' + 4'		
S		2.8	347.7
cb		3.0	347.5
1/4		2.6	347.9
e		2.5	348.0
1/4		2.7	347.8
cb		2.8	347.7
N		2.9	347.6

35050

3+22.60 = w/ 50+6 produced from South

n	3.3	347.2
cb	3.4	347.1
1/4	3.2	347.3
c	2.9	347.6
1/4	2.9	347.6
cb	3.1	347.4
S	3.2	347.3
3+53.81 = w/ 50+6		
S	3.5	347.0
cb	3.2	347.3
1/4	3.2	347.3
c	3.1	347.4
1/4	3.3	347.2
cb	3.5	347.0
n	3.4	347.1
3+68.97 = w/ 1/4		
n	3.8	346.7
cb	3.7	346.8
1/4	3.3	347.2
c	3.2	347.3
1/4	3.2	347.3
cb	3.3	347.2
S	3.3	347.2
3+84.13 = 50+6		
J	3.4	347.1

35050

Oak-Crest 66

cb	3.5	347.0
1/4	3.3	347.2
c	3.1	347.4
1/4	3.6	346.9
cb	3.9	346.6
n	4.3	346.2
3+99.29 = E 1/4		
n	4.0	346.5
cb	4.0	346.5
1/4	3.7	346.8
c	3.4	347.3
1/4	3.5	347.0
cb	4.0	346.5
J	4.0	346.5
4+1.445 = E cb		
S	3.8	346.7
cb	3.6	346.9
1/4	3.6	346.9
c	3.3	347.2
1/4	4.0	346.5
cb	4.3	346.2
n	4.3	346.2
4+3.466 = EL 50+6 produced from South		
n	4.2	346.3
cb	4.1	346.4
1/4	4.1	346.4

350.50

e	3.5	347.0
1/4	3.8	346.7
eb	3.6	346.9
S	3.5	347.0
L+95.46 = EC E. / EL 5.0 + 5 *		
S	L.1	346.4
eb	3.8	346.7
1/4	L.4	346.1
e	L.0	346.5
1/4	L.7	345.8
eb	J.0	345.5
L	J.2	345.3
J+62.80		
L	J.7	344.8
eb	J.3	345.2
1/4	J.2	345.3
e	L.6	345.9
1/4	J.1	345.4
eb	J.0	345.5
S	J.1	345.4
6+12.8		
S	J.2	345.3
eb	J.6	344.9
1/4	J.5	345.0
e	J.0	345.5
1/4	J.3	345.2

350.50

Oak-Cross 67

eb	J.6	344.9
L	J.6	344.9
6+62.80		
L	6.0	344.5
eb	6.0	344.5
1/4	J.7	344.8
e	J.5	345.0
1/4	6.0	344.5
eb	J.4	345.1
S	J.5	345.0
7+12.80		
S	6.4	344.1
eb	6.1	344.4
1/4	6.2	344.2
e	6.0	344.5
1/4	6.5	344.0
eb	6.8	343.7
L	6.3	344.2
7+62.80		
L	6.7	343.8
eb	6.8	343.7
1/4	6.9	343.6
e	6.6	343.9
1/4	7.2	343.3
eb	7.0	343.5
S	6.7	343.8

350.50

8+12.80

S		7.9	342.6	
cb		8.0	342.5	
1/4		8.0	342.5	
c		7.6	342.9	
1/4		7.9	342.6	
cb		8.0	342.5	
N		7.9	342.6	
r	8+7.5			
N		10.0	340.5	
cb		9.9	340.6	
1/4		9.7	340.8	
c		9.5	341.0	
1/4		9.8	340.7	
cb		9.6	340.9	
S		9.2	341.3	
	8+89.66 = FC			
S	8+90.23 = MB	9.7	340.56	on pipe
cb		10.0	340.5	
1/4	parts	10.0	340.1	
c	dot = 1.01	10.1	340.4	
1/4	dot = 1.64	10.2	340.3	
cb	dot = 1.64	10.2	340.3	
N	dot = 2.53	10.6	339.9	
T.P.	0.53	9.7	340.76	on pipe

341.59

341.6

Oak-Crest 68

9+06.14 = D

N		3.1	338.5	
cb		2.7	338.9	
1/4		2.3	339.3	
c		2.2	339.4	
1/4		2.4	339.2	
cb		2.7	338.9	
+1		1.9	339.7	
S		1.9	339.7	

9+20.58 = D

S		2.7	338.9	
+10		2.9	338.7	
cb		3.9	337.7	
1/4		3.8	337.8	
c		3.1	338.2	
1/4		3.6	338.0	
cb		4.0	337.6	
N		4.3	337.3	

9+39.04 = D

N		6.1	335.2	
cb		5.0	336.3	
1/4		4.9	336.7	
c		4.7	336.9	
1/4		5.1	336.5	
cb		4.9	336.7	
+2		3.5	338.1	
S		3.2	338.4	

341.59
341.6

10 + 0.488 = PRC on NL

-5		15.3	326.3
1/1		13.4	328.2
06		10.8	330.8
+3		12.1	331.5
1/1		10.0	331.6
C		10.1	331.5
1/1		10.3	331.3
06		9.9	331.7
1/1		9.7	331.9
+6		7.7	333.9
5		7.3	334.3
T.P.	333.2		
xxb	333.19	1066	330.93
Sec H	5 = w/c chords = 29.06 N = 0.1 " = 1.98		
w = baseline		0.9	332.3
+12		1.8	331.4
+15		3.3	329.9
+30		3.0	330.2
+50		3.1	330.1
+60		5.6	326.6
+67.8 = EL		6.4	326.8
+5		7.0	326.2
	Sec B		
w		1.9	331.3
+12		2.6	330.6
+17		4.4	328.8

333.19
333.2

Oak-Crest 70

w + 35	4.0	329.2
+50	3.5	329.7
+60	5.9	327.3
+75	7.3	325.9
+88.1 = EL	9.1	324.1
EL + 5	9.5	323.7
	Sec C	
w	2.0	331.2
+15	3.3	329.9
+20	5.6	327.6
+35	5.3	327.9
+55	4.2	329.0
+60	4.4	328.8
+70	6.9	326.3
+85	8.1	325.1
+100	9.5	323.7
+122.4 = EL	11.3	321.9
E + 5	13.6	319.6
	Sec D	
w	1.6	331.6
+25	3.2	330.0
+30	7.7	325.5
+35	7.9	325.3
+40	7.9	325.3
+57	6.1	327.1
+70	4.5	328.7

333.19
333.2

W + 80	6.8	326.4 ✓
1 + 00	8.6	324.6
1 + 20	10.1	323.1
1 + 40	13.1	320.1
1 + 60 = EL	15.9	317.3
EL + 5	16.7	316.5

Sec E

W	1.9	331.3
+ 25	2.1	331.1
+ 44	3.1	330.1
+ 48	4.2	329.0
+ 50	9.0	324.2
+ 60	9.5	323.7
+ 75	8.0	325.2
+ 90	4.8	328.4
+ 95	5.1	328.1
1 + 00	6.4	326.8 ✓
1 + 25	8.9	324.3
1 + 50	11.0	322.2
1 + 75	14.7	318.5
1 + 95	17.1	316.1
2 + 11.5 = EL	20.4	312.8

NL of Univ Ave

W = PCC top bank	1.0	332.2
W " bottom "	6.0	327.0

#

333.19
333.2

Oak-Crest 71

W + 50 top bank	2.3	330.9	
" " bottom "	8.8	324.4	
W + 75 top "	3.4	329.8	
" " bottom "	11.5	321.7	
W + 80 top "	10.8	322.4	edge of approach
" " bottom "	11.8	321.4	
W + 100 on paving E of	13.3	319.9	edge of approach to Oak-Crest
W + 123 top bank	11.6	321.6	edge of approach
" " bottom "	15.2	318.0	
W + 130 top "	7.2	326.0	
" " bottom "	15.7	317.5	
W + 165 top "	9.9	323.3	
" " bottom "	18.4	314.8	
W + 200 top "	14.7	320.5	
" " bottom "	20.9	312.3	
T.P. 251	320.51	13.19	320.00
W + 240 top bank	4.6		315.9
" " bottom "	11.1		309.4
W + 270 top "	7.4		313.1
" " bottom "	13.3		307.2
W + 300 top & bottom merge	7.0		305.5
+ 318.0 = EL Oak-Crest Drive	16.6		303.9
T.P. 1x50	332.69	2.35	320.16
T.P. 7019	339.06	3.32	328.87
check to BM		2.52	326.14
			336.54

Sh 199 Cross Section of Polk Ave 40' wide
 Moore Euclid to 11546 ST 6 1/2 curbs

352.88

72

BM	158	354.88	351.30	STAP E of Euclid 4615			
					c	3.7	349.2
					1/4	3.7	349.2
N		7.0	345.1		+3	3.6	349.3
cb Top cement Return		7.35	345.53		+4	2.4	350.5
gutter		8.1	344.8		cb	2.4	350.5
1/4		7.7	345.2		S	2.4	350.5
c		7.7	345.2				
1/4		8.1	344.8		S		
gutter		8.4	344.5		cb	2.3	350.6
cb top cement Return		7.88	345.00		1/4	3.1	349.8
S		7.7	345.2		c	3.1	349.8
	0+01				1/4	3.1	349.8
S		3.1	349.8		+4	3.0	349.9
cb		2.9	350.0		cb	2.3	350.6
+3		4.4	348.5		N	1.6	351.3
1/4		5.0	347.9				
c		7.0	345.9		N	1.6	351.3
1/4		6.8	346.1		cb	1.9	351.0
cb		4.0	348.9		1/4	1.9	351.0
+3		1.6	351.3		c	1.8	351.1
N		1.4	351.5		1/4	2.0	350.9
	0+15				cb	2.3	350.6
N		1.3	351.6		S	2.2	351.7
+4		1.6	351.3				
cb		3.5	349.4		S	2.5	350.4
1/4		3.6	349.3		cb	2.7	350.2

Plotted
 5-24-27
 L.B.H.

0+25

0+50

0+85

352.88

1/4		2.3	350.6
c		2.3	350.6
1/4		2.2	350.7
cb		2.3	350.6
N		2.2	350.7
	0+87 ϕ cement walk N	2.05	350.83
	1+15 ϕ x drive N	3.07	349.81
	1+45		
N		3.6	349.3
cb		4.0	348.9
1/4		3.9	349.0
c		3.9	349.0
1/4		4.1	348.8
cb		4.3	348.6
S		4.1	348.8
	1+45		
S		4.9	348.0
cb		5.2	347.7
1/4		4.8	348.1
c		4.7	348.2
1/4		4.8	348.1
cb		5.1	347.8
N		4.8	348.1
	7+00		
N		6.0	346.9
cb		6.6	346.3

352.88

73

1/4		6.5	346.4
c		6.5	346.4
1/4		6.8	346.1
cb		7.2	345.7
S		7.1	345.8
	7+70 = walk 18+4 ST		
S		8.0	344.9
cb		8.3	344.6
1/4		7.7	345.2
c		7.5	345.4
1/4		7.7	345.2
cb		7.6	345.3
N		7.1	345.8

X. Section Polk st. 40' wide
 From E.L. Estrella to r.l. 49th

6.5' cbs
 6.75' 7S

74

SE.B.P.

Orange + Estrella 0.94. 349.39 348.45

T.P. 0.46 337.56 14.29 337.10

T.P. 10.55 335.59 14.54 325.05

E.L. Estrella

S 13.2 322.4

+3 14.3

cb 14.2

$\frac{1}{4}$ 14.5

$\frac{1}{2}$ 12.0

$\frac{1}{4}$ 12.6

cb 13.5

N 10.1 325.5

5'E

N 8.7 326.9

+4 9.3

cb 11.3

$\frac{1}{4}$ 11.9

$\frac{1}{2}$ 11.5

$\frac{1}{4}$ 12.0

cb 13.4

S 12.4 323.2

T.P. 5.91 329.68

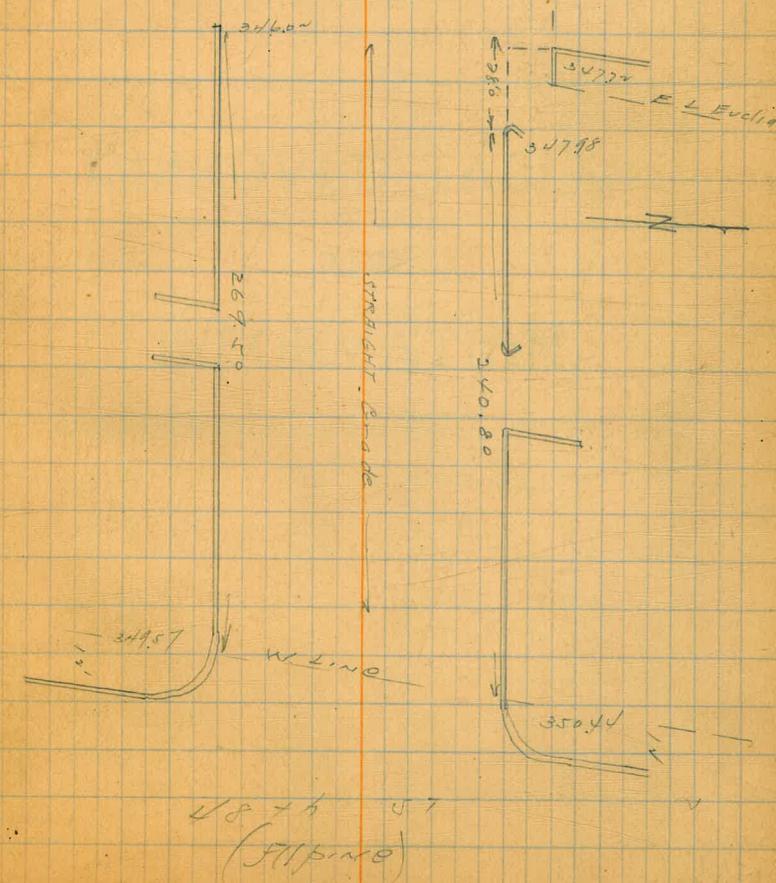
NAIL IN Pole
 SW. Cr. Alley. 11 Polk

Curb ELV.s Euclid + EL Cayon ^{Moore} 7/29/26

SWBP	3.97	351.17	34720	EL Cayon 7/27/26
SW Cor		5.25	345.74	
SE end cb + EL Euclid		5.05	346.04	
Ncb EL Cayon		3.19	347.98	
NW cor + EL Euclid		3.45	347.74	
SW cor + NW ✓		4.63	346.54	
SW Cor EL Cayon + 4/8th		1.60	349.57	
NW ✓ ✓ ✓		0.73	350.44	



EL Euclid



Maker
5/29/07.

LEVELS OF SEWER
SAN DIEGO ATHLETIC CLUB
6TH AND H STS.

N.E.B.P.				
S H 6th St.	1.65	99.92		98.27
SE T.P.	1.27	88.17	13.07	86.90
N T.P.	2.47	77.85	14.74	75.43
N T.P.	4.54	78.07	4.37	73.48
Dist. of Nail of Elevator Shaft.			5.43	72.51 = top of Elevator shaft
				72.59
				39.36 = Floor line

72.61
42.66 = E.L.
42.67 - X.S.

DIRECTIONS FOR USE OF TABLES

TABLE No. 1.

Distance of slope stake from side or shoulder stake for any width roadway, slope 1/2 to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level, the correction is found in the correction table. Add this amount to cut or fill and find in table. Set up rod at this point and line of sight should cut larger instrument.

IMPROVED TABLES
AND
INFORMATION

To find Tangent and External for curve of any other degree, divide by degree of curve and add correction found in column of corrections. Degree of curve with a given L may be found by dividing tangent (or external), opposite L by given tangent (or external). The distance from a point on the tangent to the curve is very nearly the square of the tangent length divided by twice the radius.

15
675
13.5
20.00
26.15
33.50
40.00

13
5/2

135
3
2/135
675

351.20
675

348.45 BP
SECOR Orange
+ Estrella
in chub step

242.40
13.20
329.20 TPOROCK

351.17
294
298.23

333.61
1.77
331.84

267 27.1 MP3
208 11
25 11
30

65.3 = 476

202 = 06

15.16 = 166

164.1

20.21 = 2651.50

60.80

211.5 28.3
15
41.3