

1118

PASTS

FIELD BOOK

No. 385 F



MICROFILMED

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27  
31  
51.3  
10/

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.
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## THE FREDERICK POST CO.

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92 FIFTH ST.  
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SAN FRANCISCO, CAL.

AGENTS FOR

"BERGER" TRANSITS and LEVELS

"GURLEY" SURVEYING and HYDRAULIC INSTRUMENTS

"CHICAGO" STEEL TAPES, etc.







26264

	66' W
N	5.1
cb	5.2
1/4	4.8
c	4.3
1/4	4.1
cb	4.0
S	2.3
	70' W
S	2.8
cb	4.2
1/4	4.3
+6	4.4
c	6.1
1/4	6.6
+3	6.4
+4	5.3
cb	5.5
N	5.3
	92' W
N	6.7
cb	6.9
1/4	6.9
c	7.4
+3	6.9
+5	5.8

SUNSET

	95' W
1/4	5.8
cb	5.6
S	5.5
	95' W
S	5.8
cb	5.8
1/4	6.0
c	6.8
1/4	7.3
cb	7.6
N	7.8
	110' W
N	9.2
cb	9.1
1/4	8.5
c	8.2
1/4	7.4
cb	6.8
S	6.7
	125' W
S	7.9
cb	8.4
1/4	8.9
c	9.4
1/4	9.9
cb	10.4
N	10.4



26264

SUNSET 3

150' W

N	12.1
cb	11.9
1/4	11.6
c	11.3
1/4	10.9
cb	10.5
S	10.0

175' W

S	12.1			
cb	12.7			
1/4	13.2			
T.P.	1.08	250.74	1298	249.66
c	1.7			
1/4	2.1			
cb	2.3			
N	2.4			

200' W

N	3.0
cb	3.2
1/4	3.6
c	3.4
1/4	3.0
cb	2.7
S	2.0

225' W

S	4.1
cb	4.3
1/4	4.4
c	4.7
1/4	5.0
cb	5.1
N	5.3

250' W

N	6.2
cb	6.0
1/4	6.2
c	5.8
1/4	5.7
cb	5.2
S	4.9

265' W

S	6.2
cb	6.2
1/4	6.6
c	6.5
1/4	7.2
cb	7.3
N	7.1



250.74

275' W

N	9.1
cb	8.2
1/4	7.6
C	6.8
1/4	6.7
cb	6.8
S	6.9

285' W

S	7.8
cb	7.6
1/4	7.4
C	7.8
1/4	9.1
cb	10.8
N	11.6

300' W = E.L. Hortensia

N	17.4
cb	15.1
1/4	13.9
C	12.3
1/4	11.8
cb	10.6
S	9.3

SUNSET. 11

305' W. of Witherby

S	10.0			
cb	12.0			
TP	0.72	238.82	1264	238.10.
1/4	1.5			
C	2.3			
1/4	3.3			
cb	4.8			
N	7.9			

310' W. of Witherby = A pt on d

N	9.2	
cb	6.5	
1/4	5.0	
C	4.5	234.3
4th BM.	4.75	on hub
1/4	3.8	
cb	2.9	
S	1.3	

Levels

3+20	7.7
+35	10.9
+43	15.3
+52	17.0
+65	16.0
+80	15.5
+90	13.2



2322

82  
11

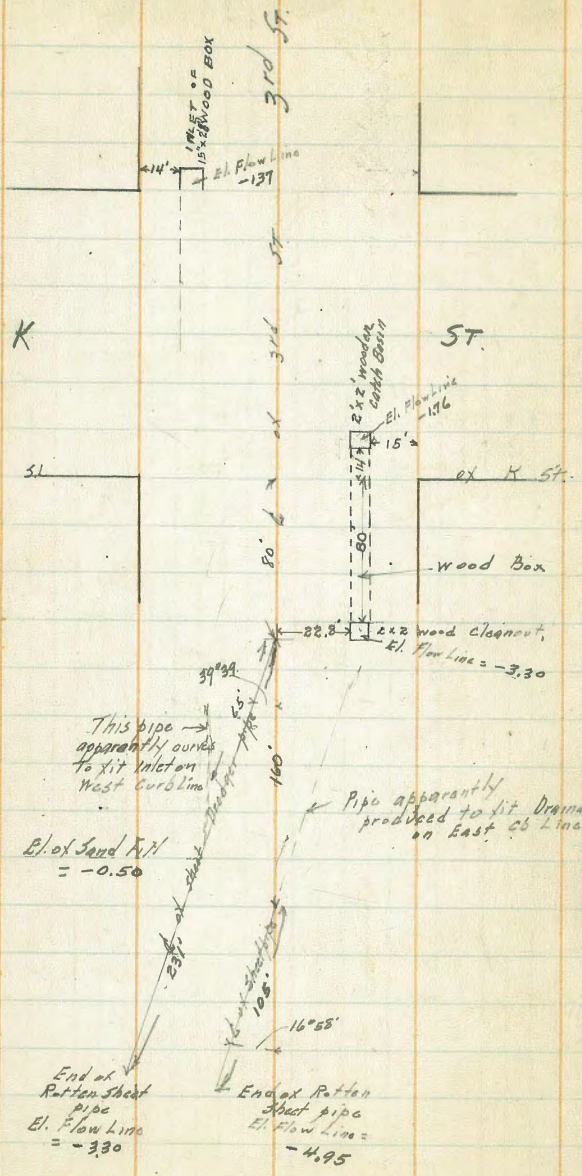
SUNSET

5

4			13.2	
TP	0.30	226.19	12.93	225.89
+10			2.1	
+25			4.0	
+45			4.2	
+65			8.8	
+90			13.0	
5			13.6	
+13			14.4	
+40			13.2	
+65			11.7	
+80			13.0	
TP	0.47	213.65	13.01	213.18
6			4.4	
+22			9.0	
+30			11.3	
+37			12.7	
+60			14.6	
TP	0.54	201.47	12.72	200.93
+80			5.5	
7			7.2	
+50			11.0	
+75			12.5	
+85			12.6	
+90			10.9	
+96.55 = 2 Jun.			11.1	190.4



12/14/24 Gregory, Surrey, ex Drains C, B etc  
at 3rd and K



1.48  
 139  
 498  
 637  
 439  
 198  
 270  
 478

5.5' 594 748 913  
 196 212 248

523  
 475  
 -102

This pipe →  
 apparently connects  
 to pit in lot on  
 West Coroline

El. of Sand Pit  
 = -0.50

Pipe apparently  
 produced to fit Drainage  
 on East CB Line

End of  
 Rotten Sheet  
 pipe  
 El. Flow Line  
 = -330

End of Rotten  
 Sheet pipe  
 El. Flow Line =  
 -4.95





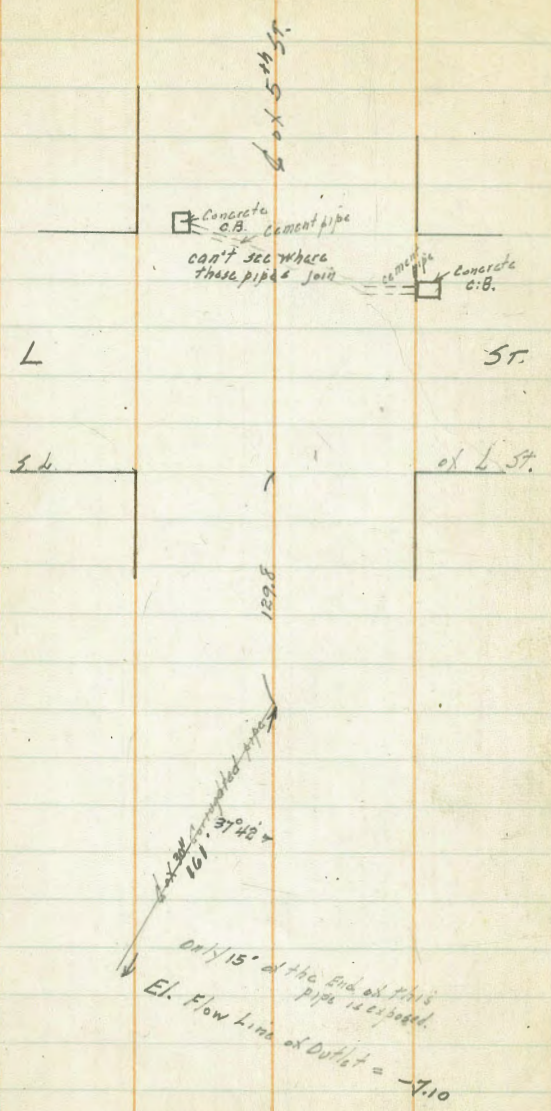


12/12/24

Location of Drains etc  
5th + L

8

4.00	T.P.	13.00
1.20		14.20
5.80		19.00



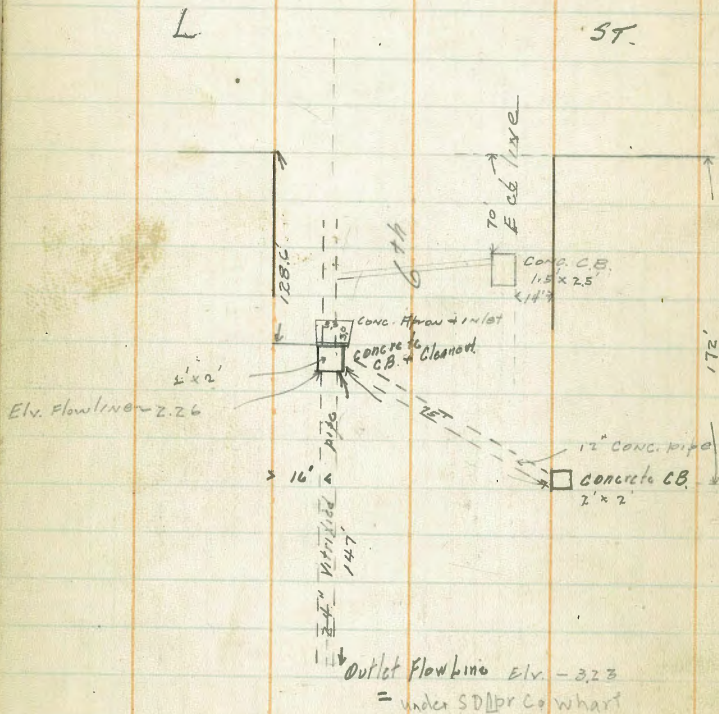
EA



12/1/21 Gregory Location of Drains  
6th

9

4.00	top Hydt 5th	
3.23		10.26
7.23		7.23
		3.23



Outlet Flowline Elev. - 3.23  
= under SDPR Co Wharf

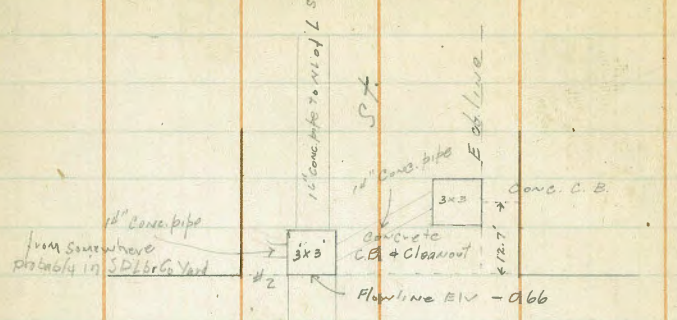


Book #16 for Storm Drain



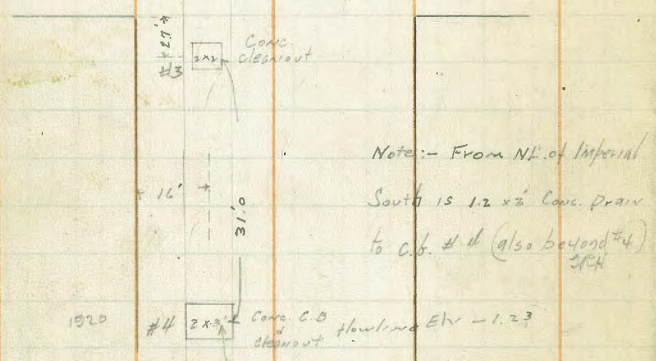
12/4/44

Location of Drain  
Moore 7th St



Imperial

Ave.



1108 NW. 7th + K St  
 200  
 13.65  
 9.77  
 3.88  
 3.93  
 7.81 H/I  
 3.9  
 3.91 check to Hydr. Elev. 4.00

10.5	6.6	9.0	7.81	12.27
7.8	1.55	7.81	4.30	7.81
-2.7	5.47	-1.23	3.51	-4.56
13.0	-0.66	7.8		
7.8				
-5.2		0.0 = 100' S of end		
		-2.7 = 150'		
		-5.2 = 170'		Water's edge

100' S of outlet Ground Elev = 0.0  
 150' ✓ ✓ ✓ ✓ ✓ = -2.7  
 170' ✓ ✓ ✓ ✓ ✓ = -5.2 water's edge



Cross Section of UNFA St.  
Main to ACASIA 60' wide  
10' etc

21.14

11

on SW Main	0.41	39.00	38.59	Min + 30'	W	7.2	13.9
T.P.	0.22	26.23	12.99	26.01	CB	7.2	13.9
T.P.	0.19	13.47	12.95	13.28	E	7.0	14.1
T.P.	4.28	7.02	10.73	2.74			
T.P. Approx 1000' Set BM spike, S. of bridge		7.28	3.36	3.36	RR spike in E.C. Fire Pole S. side of Main	25' W	
T.P.	8.70	12.95	3.03	4.25	CB	6.7	14.4
Set spike in pole SW Main + Thor			4.25	8.71	1/4	6.7	14.4
T.P.	7.07	17.47	2.55	10.40	C	6.9	14.4
Set spike NW Main + Una	6.50	21.14	2.83	14.64	1/2	7.1	14.0
					CB	7.0	14.1
					CB	6.7	14.4
W			8.05	13.09	W	6.3	14.8
C			7.80	13.34			
E			7.50	13.64	W	5.9	15.4
					CB	6.5	14.6
					1/4	6.8	14.3
B			7.3	13.8	C	6.8	14.3
CB			7.2	13.8	1/4	6.8	14.3
1/4			7.4	13.7	CB	6.7	14.4
C			7.2	13.7	E	6.6	14.5
1/4			7.6	13.5			
CB			7.7	13.4			
W			7.3	13.8	E	5.9	15.4
					CB	5.8	15.3
					1/4	6.2	14.9
					C	5.9	15.2
					1/4	6.0	15.1
					CB	6.0	15.1

at S. of NL Main - Wedge of paving

N of Main St = -14'

NL Main = 0+00

50' W

100' N



21.14

W		5.4	15.7
	150' N		
W		4.9	16.4
cb		5.0	16.1
tr		5.3	15.8
1/4		5.2	15.9
c		5.3	15.8
1/4		5.7	15.4
cb		5.8	15.3
E		5.8	15.3
	200' N		
E		4.7	16.4
cb		4.8	16.3
1/4		5.2	15.9
c		4.9	16.7
1/4		5.1	16.0
cb		5.1	16.0
W		4.7	16.4
	250' N		
W		4.3	16.8
cb		4.6	16.5
1/4		4.5	16.6
c		4.2	16.9
1/4		4.4	16.7
cb		4.5	16.6
E		4.4	16.7

21.14

UNFA 12

	285° N		
E		3.4	17.7
cb		4.0	17.1
1/4		4.2	16.9
c		4.1	17.0
1/4		4.2	16.9
cb		3.8	17.3
W		4.0	17.1
	300° N = SL DALBERGIA		
W		2.7	18.4
cb		2.6	18.5
1/4		3.7	17.4
c		3.3	17.8
1/4		3.5	17.6
cb		3.0	18.1
E		2.6	18.5
	S 05		
E		2.3	18.8
cb		2.2	18.9
1/4		2.1	19.0
c		2.4	18.7
1/4		2.2	18.9
cb		2.3	18.8
W		2.4	18.7
	S 1/4		
W		1.6	19.5

100' wide  
20' slope  
15' 1/2



21.14

cb	1.6	19.5
114	1.3	19.8
c	1.5	19.6
114	1.6	19.5
cb	1.8	19.3
E	1.8	19.3
	+6	
E	1.8	19.3
cb	2.1	19.0
114	1.4	19.7
c	1.1	20.0
114	1.0	20.1
cb	1.3	19.8
W	1.2	19.9
	± of St + RR	
W on S Rail SDElectric RR	0.36	20.78
W	0.8	20.3
cb	0.7	20.4
114	0.5	20.6
c	0.5	20.6
114	0.6	20.5
cb	0.6	20.5
E	0.5	20.6
E on S Rail	0.35	20.79
	+5	
E	1.4	19.7

21.14

UNF 13

cb	1.2	20.9
114	0.8	20.3
c	0.6	20.5
114	0.7	20.4
cb	1.2	19.9
W	0.8	20.3
	114	
W	1.4	19.7
cb	1.2	19.9
114	0.9	20.4
c	0.9	20.4
114	1.1	20.0
cb	1.3	19.8
E	1.3	19.8
	N cb	
E	1.3	19.8
cb	1.3	19.8
114	1.2	19.9
c	1.1	20.0
114	1.3	19.8
cb	1.3	19.8
W	1.5	19.6
	N DALBERGIA	
W	1.2	19.9
cb	1.4	19.7
114	1.3	19.8



21.14

23.87

UWVH

14

C		1.6	19.5
1/2		1.4	19.7
0+		1.3	19.8
E		1.5	19.6
	35' N		
F		1.1	20.0
cb		1.0	20.1
+2		0.9	20.2
1/2		1.4	19.7
C		1.2	19.7
1/2		1.2	19.7
+7		1.3	19.8
+8		0.5	20.6
cb		0.6	20.5
w		1.0	20.1
	65' N		
w		0.7	20.4
cb		0.8	20.3
+3		0.6	20.5
+5		1.2	19.9
1/2		1.2	19.9
C		0.9	20.2
1/2		1.1	20.0
cb		0.7	20.4
E		0.8	20.3
T.P.	347	23.87	0.74
			20.40

	100' N		
E		3.3	20.6
cb		3.1	20.8
+2		3.0	20.9
+4		3.6	20.3
1/2		3.5	20.4
C		3.0	20.9
1/2		3.2	20.5
+7		3.3	20.6
+8		2.7	21.4
cb		2.7	21.4
w		2.8	21.1
	125' N		
w		2.0	21.9
cb		1.6	21.3
+3		1.6	21.3
+5		2.7	21.2
1/2		2.9	21.0
C		2.6	21.3
1/2		3.1	20.8
+7		3.3	20.6
+8		2.9	21.0
cb		2.8	21.1
E		2.8	21.1
	140' N		
E		2.9	21.0



23.87

cb	2.8	71.1
+3	3.2	70.7
1/4	3.0	70.9
c	2.7	71.4
1/4	2.8	71.1
+6	2.7	71.7
cb	2.0	71.9
w	2.0	71.9
160° N		
w	1.1	77.8
cb	1.2	77.7
+3	1.5	77.4
+5	2.5	71.4
1/4	2.9	71.0
c	2.7	71.4
1/4	2.8	71.1
+8	3.0	70.9
cb	2.5	71.4
E	2.7	71.4
200° N		
E	3.2	70.7
+8	2.8	71.1
cb	3.3	70.6
1/4	3.3	70.6
c	3.0	70.9
1/4	2.9	71.0

23.87

UN 7

15

+6	2.9	71.0
cb	2.2	71.7
w	1.6	77.3
225° N		
w	2.3	71.6
cb	2.7	71.7
+5	3.5	70.4
1/4	3.5	70.4
C	3.8	70.1
1/4	3.9	70.0
cb	4.0	19.9
+2	3.3	70.6
E	3.5	70.4
250° N		
E	4.9	19.0
+8	4.6	19.3
cb	5.2	18.7
1/4	5.2	18.6
c	5.0	18.9
1/4	4.6	19.3
+6	4.3	19.6
cb	3.8	70.1
w	3.3	70.6
300° N		
w	5.8	18.1
cb	6.4	17.5

51 of Cottonwood 80' wide  
1st shrub  
13' high



2387

+5		7.6	16.3
1/2		7.8	16.1
C		8.1	15.8
1/2		8.2	15.7
cb		8.3	15.6
E		9.2	14.7
	S ab		
E		10.4	13.5
cb		9.5	14.4
1/2		9.2	14.7
C		9.1	14.8
1/2		8.5	15.4
+5		8.2	15.6
cb		7.1	16.8
W		6.2	17.6
	+4		
W		6.7	17.7
cb		7.6	16.3
+5		8.6	15.3
1/2		8.7	15.4
C		9.3	14.6
1/2		9.5	14.4
cb		10.1	13.8
E		11.2	12.7
	+7		
E		12.4	11.5

2387

UN 17 16

cb		11.0	12.9
1/2		9.7	14.2
C		9.3	14.4
1/2		9.0	14.9
cb		8.5	15.4
W		8.3	15.6
	S 1/2		
W		8.1	15.8
cb		8.5	15.4
Sct BM. 13 11/2		9.25	14.62 <small>Cottonwood</small>
1/2		9.5	14.4
C		9.9	14.0
1/2		10.1	13.8
cb		11.1	12.8
E		12.2	11.7
	9		
E		12.7	11.7
cb		11.6	12.3
1/2		10.7	13.4
C		10.5	13.4
1/2		9.4	14.5
W		8.9	15.0
TP	0.95	15.57 ✓	9.25 14.62
	N 1/2		
W		0.1	14.9
cb		1.4	14.2



15.57

1/4		2.3	13.3
c		3.1	14.5
1/4		3.3	14.3
cb		3.6	14.0
E		4.7	10.9
	+7 ✓		
E		5.5	10.1
cb		4.2	11.4
1/4		3.9	11.7
c		3.7	11.9
1/4		3.0	14.6
cb		2.2	13.4
w		1.4	14.7
	+9 ✓		
w		0.8	14.8
cb		1.8	13.8
+5		2.4	13.4
+8		3.4	14.4
1/4		3.2	14.4
c		3.9	11.7
1/4		4.1	11.5
cb		4.5	11.1
E		7.2	8.4
	N cb		
E		8.6	7.0
+6		7.8	7.8

15.57

UN7 17

cb		6.2	9.4
+8		4.5	11.1
1/4		4.5	11.1
c		4.4	11.4
1/4		3.6	14.0
+5		3.2	14.4
+6		2.1	13.5
cb		1.8	13.8
w		1.1	14.5
	N L Cottonwood = 0200		
w		3.0	14.6
cb		3.5	14.1
+4		4.1	11.5
+5		4.5	10.8
1/4		4.9	10.7
c		5.6	10.0
1/4		5.7	9.9
+3		5.7	9.9
cb		8.1	7.5
+3		9.2	6.4
E		10.0	5.6
+10		10.4	5.2
	25' N		
-10		10.6	5.0
E		11.0	4.6
+7		10.2	5.4



15.57

cl	9.2	6.4
+5	8.2	7.4
1/4	7.7	7.9
e	7.7	7.9
1/2	7.2	8.2
+5	7.3	8.3
+6	6.6	9.0
cb	6.1	9.5
w	5.8	9.8

50' N

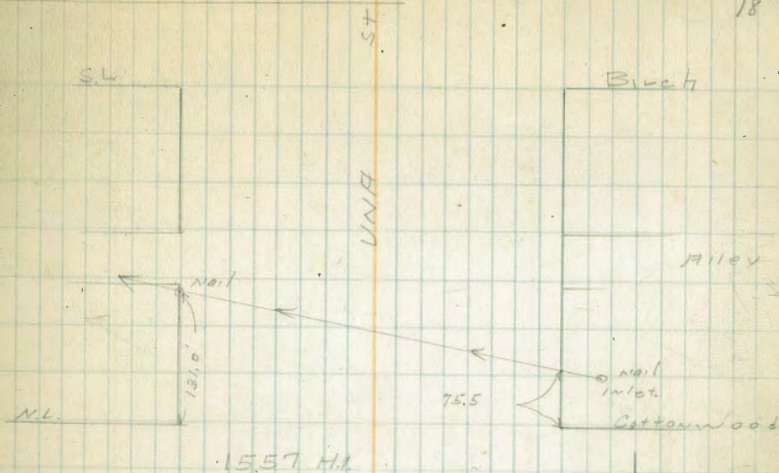
w	7.5	8.1
cb	8.2	7.4
+3	8.2	7.4
+5	9.0	6.6
1/4	8.9	6.7
c	8.9	6.7
1/2	9.2	6.4
cb	10.6	5.0
E	10.8	4.8
#10	10.2	5.4

## Culvert Notes

EL - 18' = inlet = 0+00	10.6	5.0
+18 = E.V.	10.7	4.9
+28	11.1	4.5
+38	10.6	5.0
+58	10.1	5.5

N.B. - 12" Culvert will carry.

18



100' = inlet

11.2

4.4

116' = outlet

12.3

3.3

Section 100' N

-10

9.2

6.4

E

10.5

5.1

cb

10.9

4.7

+5

10.4

5.4

1/4

10.3

5.3

c

10.1

5.5

1/2

10.2

5.3

cb

10.5

5.1

w

10.5

5.1

+10

10.1

5.5

150' N

-10

12.3

3.3

w

11.5

4.1

cb

10.6

5.0



15.57

1/4		10.1	5.5
c		9.8	5.8
1/4		9.7	5.9
+6		9.8	5.8
+7		9.3	6.3
cb		9.3	6.3
E		9.1	6.5
+5		7.8	7.8
	175' N		
-5		7.9	7.7
E		9.0	6.6
cb		8.8	6.8
+3		9.0	6.6
+5		9.5	6.1
1/4		9.2	6.4
c		9.2	6.4
1/4		9.6	6.0
cb		10.2	5.3
w		11.0	4.6
+10		11.6	4.0
	200' N		
-10		10.3	5.3
w		9.7	5.9
cb		9.3	6.3
1/4		8.7	6.9
c		8.3	7.3

15.57

UNA

19

1/4		8.3	7.3
+6		8.7	6.9
+8		8.0	7.6
cb		8.0	7.6
E		8.2	7.4
+5		8.0	7.6
	250' N		
E		4.2	11.4
cb		4.7	10.9
+3		4.6	11.0
+5		5.8	9.8
1/4		5.2	10.7
c		5.6	10.0
1/4		5.8	9.8
cb		5.6	10.0
w		5.8	9.8
+5		5.8	9.8
	300' N = SL BIRCH		80' wide
w		3.1	14.5 14' slw
cb		2.9	14.7 13' 1/2's
+4		2.8	14.8
+6		3.6	14.0
1/4		3.2	14.4
c		2.9	14.7
1/4		2.9	14.7
+5		3.2	14.4



1557

+7		2.2	13.4
cb		2.2	13.4
E.T.P 841	22.06 ✓	1.9	13.65 on Mt.
	5cb		
E		7.3	14.8
cb		7.6	14.5
+2		7.9	14.2
+5		8.8	13.3
1/4		8.7	13.4
C		8.7	13.4
1/4		9.0	13.1
+4		9.3	14.8
+6		8.7	13.4
cb		8.7	13.4
W		8.8	13.3
	+4		
W		8.2	13.7
cb		8.2	13.7
+5		9.0	13.1
1/4		8.5	13.3
C		8.5	13.6
1/4		8.5	13.6
+6		8.3	13.8
+8		7.7	14.4
cb		7.5	14.6
E		7.1	15.0

2206

UN7 20

	+6		
E		7.8	14.3
cb		8.2	13.9
1/4		8.2	13.9
C		8.5	13.6
1/4 =		8.7	13.4
cb		8.7	13.4
W		9.0	13.1
	5 1/4		
W		8.5	13.6
cb		8.2	13.9
1/4		8.4	13.9
C		8.0	14.1
1/4		7.8	14.3
cb		7.5	14.6
E		7.1	15.0
	4		
E		6.1	16.0
cb		6.6	15.5
1/4		7.3	14.8
C		7.5	14.6
1/4		7.6	14.5
cb		7.8	14.3
W		8.1	14.0
	N 1/4		
W		8.1	14.0



22.06

cb		7.7	14.4
1/4		7.3	14.8
c		7.0	15.1
1/4		6.9	15.2
cb		6.3	15.8
E		6.1	16.0
	+7		
E		5.9	16.2
cb		6.5	15.6
1/4		6.9	15.2
c		6.8	15.3
1/4		7.2	14.7
cb		7.9	14.2
W		8.2	13.9
	+10		
W		7.3	14.8
cb		7.0	15.1
+4		6.8	15.3
+6		7.7	14.4
1/4		7.3	14.8
c		6.7	15.4
1/4		6.8	15.3
cb		6.1	16.0
E		5.6	16.5
	N.cb		
E		5.1	17.0

22.06

UN A 21

cb		5.2	16.9
+3		6.7	15.4
1/4		6.6	15.5
c		6.6	15.5
1/4		7.3	14.8
+4		7.8	14.3
+7		6.7	15.4
cb		6.8	15.3
W		7.3	14.8
	ML BIRCH = 0.100		
W		7.0	15.1
cb		6.8	15.3
+5		7.2	14.9
1/4		7.1	15.0
c		6.2	15.8
1/4		6.2	15.9
+7		6.1	16.0
cb		5.0	17.1
E		4.9	17.2
	50 N		
E		5.0	17.1
cb		4.9	17.2
+3		5.1	17.0
+4		6.0	16.1
1/4		5.5	16.6
c		5.4	16.7



2206

114		6.1	16.0
+5		6.3	15.8
cb		6.0	16.1
w		6.2	15.9
	100' N		
w		5.1	17.0
cb		5.0	17.1
+3		5.0	17.1
+6		5.4	16.7
1/4		5.2	16.9
c		4.6	17.5
1/4		4.7	17.4
+5		4.9	17.2
cb		3.9	18.2
+5		3.6	18.5
E		3.2	18.7
	125' N		
E		3.8	18.6
cb		3.5	18.6
+3		3.8	18.3
+4		4.7	17.4
1/4		4.4	17.7
c		4.2	17.9
1/4		4.8	17.3
+5		5.0	17.1
+7		4.4	17.7

2206

UNF 22

cb		4.5	17.6
w		4.5	17.6
	150' N		
w		3.4	18.7
cb		3.2	18.9
+3		3.4	18.7
+6		4.3	17.8
1/4		4.3	17.8
c		3.6	18.5
1/4		3.8	18.3
+4		2.7	18.4
+7		3.0	19.1
cb		2.9	19.3
E		2.7	19.4
	175' N		
E		2.2	19.9
cb		2.4	19.7
+3		2.7	19.4
+5		3.0	18.5
1/4		3.5	18.6
c		3.2	18.9
1/4		3.8	18.3
+4		3.9	18.2
+7		2.3	19.8
cb		2.5	19.6
w		3.1	19.0



22.06

200' N

w	2.5	19.6
cb	2.3	19.8
+4	2.2	19.9
+5	3.5	18.6
1/4	3.6	18.5
c	3.1	19.0
1/4	3.2	18.7
+5	3.2	18.7
+7	1.9	20.2
cb	1.9	20.2
E	1.9	20.2

225' N

E	1.9	20.2
cb	2.0	20.1
+4	2.0	20.1
+6	3.2	18.7
1/4	3.7	18.4
c	3.7	18.4
1/4	4.2	17.9
+4	4.4	17.7
+7	3.3	18.8
cb	3.2	18.9
w	4.1	18.0

233' N

w	5.5	16.6
---	-----	------

22.06

UNF 23

cb	4.8	17.3
+5	4.4	17.7
+7	4.9	17.2
1/4	4.6	17.5
c	4.0	18.1
1/4	4.0	18.1
+3	3.8	18.3
+6	2.2	19.9
cb	2.1	20.0
E	1.9	20.2

250' N

E	2.2	19.9
cb	3.0	19.1
+4	3.3	18.8
+6	5.5	16.6
1/4	5.6	16.5
c	5.5	16.6
1/4	6.0	16.1
+5	6.0	16.1
cb	9.2	12.9
+3	10.7	11.4
w	11.7	10.4
+10	13.5	8.6

270' N

-15	15.0	7.1
w	14.8	7.3



22.06

cb	13.1	9.0
+6	8.8	13.3
1/4	8.2	13.9
c	7.9	14.7 ✓
1/4	8.0	14.1
+3	7.7	14.4
+6	5.9	16.7
cb	4.5	17.6
+5	3.2	18.9
E	2.3	19.8

280' N

E	3.6	18.5 ✓
cb	7.1	15.0
+3	8.8	13.3
1/4	8.8	13.3
c	8.9	13.7 ✓
1/4	9.6	14.5
+2	9.9	14.2
cb	13.9	8.7
+3	14.5	7.6
w	15.0	7.1
+15	15.5	6.6

300' N = SL ALACIA

-15	15.5	6.6
w	15.3	6.8
cb	14.5	6.6

22.06

UNIV 24

+4	14.4	7.7
+7	12.1	10.0
1/4	11.1	11.0
c	10.9	11.7 ✓
1/4	9.9	14.7 ✓
cb	9.7	14.4
+8	9.5	14.6
E	8.5	13.6

T.P. 8.26 30.49 0.43 21.63

T.P. spike SW Cor Vesta + ACPSIA 0.32 30.17 Five Pole



Cross Section of Vesta  
 FLORESIA To MOUNTAIN

60' wide  
 10' SW

32.61

Vesta

25

244

32.61

30.17

on spike  
 Vesta  
 Floresia

EL. FLORESIA = 0.00

w		4.2	28.4
cb		3.9	28.7
1/4		4.0	28.6
c		3.6	29.0
1/4		3.3	29.3
+8		3.1	29.5
cb		2.8	29.8
E		2.7	29.9
	50' S		
E		3.4	29.4
cb		3.6	29.0
1/4		3.9	28.7
c		3.9	28.7
1/4		4.3	28.3
+3		4.5	28.1
+5		4.3	28.3
cb		4.5	28.1
w		4.5	28.1
	100' S		
w		4.5	28.1
cb		4.5	28.1
+3		4.6	28.0
+6		5.1	27.5
1/4		4.7	27.9

c

1/4

+2

+5

+7

cb

E

E

cb

+2

+5

+8

1/4

c

1/4

cb

w

w

cb

1/4

c

1/4

+2

+4

4.3

4.3

4.4

5.2

4.3

3.9

3.9

150' S

5.3

5.2

5.4

6.5

5.7

5.7

5.9

6.2

5.8

6.1

175' S

7.0

6.9

7.0

6.8

6.8

6.7

7.5

28.3

28.3

28.4

27.4

28.3

28.7

28.7

27.3

27.4

27.2

26.1

26.9

26.9

26.7

26.4

26.8

26.5

25.6

25.7

25.6

25.8

25.8

25.9

25.1



32.61

+4	6.1	26.5
cb	6.0	26.6
E	6.1	26.5
200'S		
E	6.8	25.8
cb	6.8	25.8
+2	7.0	25.6
+5	7.8	24.8
1/4	7.6	25.0
o	7.6	25.0
1/2	8.0	24.6
cb	8.2	24.4
W	8.2	24.4
250'S		
W	9.1	23.5
cb	9.0	23.6
1/4	8.9	23.7
C	8.6	24.0
1/2	8.8	23.8
+5	8.8	23.8
+8	8.0	24.6
cb	7.9	24.7
E	7.9	24.7
300'S : NL BIRCH 80' wide		
E	9.2	23.4
cb	8.7	23.9

32.61

Vesta

28

+2	8.8	23.8
+4	9.5	23.1
1/4	9.9	22.7
C	9.7	22.9
1/4	9.9	22.7
+5	9.8	22.8
+6	9.4	23.2
cb	9.5	23.1
W	9.9	22.7
Ncb		
W	10.0	22.6
cb	9.9	22.7
1/4	10.0	22.6
C	10.0	22.6
1/4	10.1	22.5
+5	9.9	22.7
+7	9.4	23.2
+8	9.1	23.5
cb	9.1	23.5
E	9.2	23.4
+6		
E	9.8	22.8
cb	9.8	22.8
1/4	10.3	22.3
C	10.1	22.5
1/4	10.1	22.5



32.61

cb	10.2	22.4
w	10.2	22.4
	N 1/4	
w	10.2	22.4
cb	12.1	22.5
1/4	10.1	22.5
c	10.2	22.4
1/4	10.1	22.5
cb	10.0	22.6
E	10.0	22.6
	Φ	
E	9.6	23.0
cb	9.6	23.0
1/4	10.1	22.5
c	10.2	22.4
1/4	10.2	22.4
cb	10.2	22.4
w	10.3	22.3
	S 1/4	
w	10.9	21.7
cb	10.9	21.7
Set BM 13 Mon	11.28	21.33
1/4	10.6	22.0
c	10.4	22.0
1/4	10.4	22.2
cb	10.2	22.4

32.61

Vesta

29

E	9.8	22.8
	S 1/4	
E	10.1	22.5
cb	10.0	22.6
+5	10.9	21.7
1/4	10.9	21.7
c	10.8	21.8
1/4	11.0	21.6
cb	11.1	21.5
w	10.9	21.7
	SL BIRCH = 0.00	
w	11.2	21.4
cb	11.1	21.5
+5	10.9	21.7
1/4	11.3	21.3
c	10.9	21.7
1/4	11.1	21.5
+5	11.0	21.6
cb	10.4	22.2
E	10.4	22.2
	50' S	
E	10.7	21.9
cb	11.0	21.6
+3	10.8	21.8
+5	11.3	21.3
1/4	11.3	21.3



32.61

c		11.2	71.4
1/4		11.3	71.3
cb		11.6	71.0
w		11.9	70.7
	100'S		
w		12.0	70.6
cb		11.7	70.9
+6		11.3	71.3
1/4		11.7	70.9
c		11.3	71.3
1/4		11.6	71.0
+5		11.5	71.1
+6		10.9	71.7
cb		10.9	71.7
E		11.0	71.6
T P 4.33	25.70	11.24	71.37
	150'S		
E		4.7	71.0
cb		4.9	70.8
1/4		5.1	70.6
c		4.9	70.8
1/4		5.1	70.6
+3		5.0	70.7
+5		4.7	71.0
cb		4.9	70.8
w		5.0	70.7

25.70

Vesta

28

	175'S		
w		5.4	70.3
cb		5.2	70.4
1/4		5.5	70.3
c		5.2	70.5
1/4		5.3	70.4
+7		5.2	70.5
+8		4.8	70.9
cb		4.9	70.8
E		4.8	70.9
	200'S		
E		4.8	70.9
cb		5.0	70.7
+3		4.9	70.8
+4		5.4	70.3
1/4		5.4	70.3
c		5.4	70.3
1/4		5.6	70.1
+4		5.7	70.0
+5		5.4	70.3
cb		5.5	70.2
w		5.9	19.8
	250'S		
w		5.5	70.7
cb		5.2	70.5
+5		5.1	70.6



2570

+6		5.5	70.7
1/4		5.5	70.7
c		5.4	70.3
1/4		5.5	70.7
+6		5.1	70.6
+7		4.7	71.0
cb		4.9	70.8
E		5.2	70.5
E	360° S = N1 Cottonwood	5.1	70.6
cb	80° W1/4 14' 1/2 13' 1/4	5.0	70.7
+3		4.9	70.8
1/4		5.5	70.7
c		5.4	70.3
1/4		6.0	19.7
+5		5.7	70.0
+6		5.3	70.4
cb		5.6	70.1
w		5.9	19.8
w	N cb	5.9	19.8
cb		5.7	70.0
+5		5.5	70.7
1/4		6.2	19.5
c		5.5	70.7
1/4		5.7	70.0

2570

Vesta 29

+8		5.1	70.6
cb		5.2	70.5
E		5.1	70.6
	N 1/2		1
E		5.4	70.3
cb		5.5	70.7
1/4		5.7	70.0
c		5.8	19.9
1/4		6.0	19.7
cb		5.8	19.9
w		6.1	19.6
	E		
w		6.1	19.6
cb		6.0	19.7
1/4		6.4	19.3
c		5.8	19.9
1/4		5.7	70.0
cb		5.4	70.3
E		5.4	70.3
	S 1/4		
E		5.8	19.9
cb		6.0	19.7
1/4		6.1	19.6
c		6.1	19.6
1/4		6.8	18.9
cb		6.4	19.3
w		6.6	19.1



2570

Sob

w	6.9	18.8
cb	6.6	19.1
+7	6.6	19.1
1/4	7.2	18.5
c	6.5	19.4
1/4	6.5	19.4
+5	6.2	19.3
+8	6.0	19.7
cb	6.0	19.7
E	5.8	19.9

SL Cottonwood etc

E	5.9	19.8
cb	6.1	19.6
+5	6.3	19.4
1/4	6.7	19.0
e	6.6	19.1
1/4	7.2	18.4
+5	6.9	18.8
cb	7.0	18.7
w	7.0	18.7

TP 186 21.33 ✓ 6.23 19.47 13 Mon

50'S

w	3.2	18.1
cb	3.1	18.4
1/4	3.1	18.4

2133

Vesta

30

c	3.0	18.3
1/4	2.9	18.4
+6	2.7	18.6
+7	2.2	19.1
cb	2.4	18.9
E	2.4	18.9

100'S

E	3.1	18.2
cb	3.2	18.1
+3	3.0	18.3
+4	3.5	17.8
1/4	3.5	17.8
c	3.6	17.7
1/4	3.7	17.6
cb	3.6	17.7
w	3.6	17.7

150'S

w	4.0	17.3
cb	3.9	17.4
+4	3.8	17.5
+7	4.2	17.1
1/4	4.1	17.4
c	3.9	17.4
1/4	4.0	17.3
cb	3.9	17.4
E	3.9	17.4



21.33

200' S

E	4.4	16.9
cb	4.2	17.1
+7	4.2	17.1
1/4	4.6	16.7
C	4.5	16.8
1/4	4.7	16.6
+5	4.8	16.5
+6	4.3	17.0
cb	4.4	16.9
W	4.4	16.9

225' S

W	5.4	15.9
cb	4.9	16.4
+5	4.7	16.6
+6	5.2	16.1
1/4	5.2	16.1
C	5.0	16.3
1/4	4.9	16.4
+3	4.6	16.7
cb	4.3	17.0
E	4.7	16.6

250' S

E	5.1	16.2
cb	5.2	16.1
1/4	5.2	16.1

21.33

Vest 9

31

C	5.2	16.1
1/4	5.4	15.9
+5	5.5	15.8
+6	4.9	16.4
cb	5.1	16.4
W	5.4	15.9

300' S = NL DALBERGIA 100' wide

W	5.2	16.1 20' 2/W
cb	5.4	15.9 15' 1/4 S
+5	5.4	15.9
+6	6.1	15.4
1/4	5.6	15.7
C	5.3	16.0
1/4	5.5	15.8
cb	5.7	15.6
E	5.8	15.5

NL +13

E	5.4	15.9
cb	5.4	15.9
1/4	5.5	15.8
C	5.3	16.0
1/4	5.5	15.8
cb	5.5	15.8
+15	5.5	15.8
W	4.9	16.4

NL +14

W	5.6	15.7
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21.33

cb		5.6	15.7
1/4		5.5	15.8
c		5.3	16.0
1/4		5.5	15.8
cb		5.9	15.4
E		6.2	15.1
	N cb		
E		5.7	15.6
cb		5.6	15.7
1/4		5.2	15.9
c		5.2	16.1
1/4		5.3	16.0
cb		5.5	15.8
w		5.3	16.0
	N 1/4		
w		5.1	16.2
cb		5.2	16.1
1/4		4.8	16.5
c		4.9	16.4
1/4		4.9	16.4
cb		5.3	16.0
E		5.7	15.6
	+7		
E		5.9	15.4
cb		5.7	15.6
+5		5.3	16.0

21.33

Vesta

32

-7		4.9	16.4
1/4		4.7	16.6
c		4.6	16.7
+8		4.3	17.0
1/4		4.9	16.4
cb		5.1	16.2
w		5.2	16.1
	E		
w top of N Rail		3.79	17.54 Elec. RR
w		3.9	17.4
cb		3.9	17.4
1/4		4.0	17.3
c		4.1	17.2
1/4		4.1	17.4
cb		4.2	17.1
E		4.3	17.0
E top of N Rail		4.20	17.13 ✓
	+8		
E		5.5	15.8
cb		5.6	15.7
+5		5.1	16.2
1/4		4.8	16.5
c		4.8	16.5
1/4		5.0	16.3
cb		5.5	15.8
w		5.4	15.9



21.33

S 1/4

W	5.3	16.0
cb	5.4	15.9
1/4	5.2	16.1
c	5.2	16.1
1/4	5.3	16.0
cb	5.7	15.6
E	5.8	15.5
Sub		
E	6.0	15.3
cb	5.8	15.5
1/4	5.6	15.7
c	5.4	15.9
1/4	5.5	15.8
cb	5.4	15.9
W	5.4	15.9
+3		
W	5.4	15.9
cb	5.5	15.8
1/4	5.6	15.7
c	5.5	15.8
1/4	5.8	15.5
cb	6.0	15.3
E	6.1	15.4
+5		
E	5.4	15.9

21.33

Vesta

33

cb	5.4	15.9
+4	6.0	15.3
1/4	5.8	15.5
c	5.5	15.8
1/4	5.6	15.7
+4	5.7	15.6
+7	5.2	16.1
cb	5.1	16.4
W	5.2	16.1
Slot DALBERG 17 = 0.00		
W	5.1	16.2
cb	5.1	16.2
+5	5.3	16.0
+6	6.0	15.3
1/4	5.8	15.5
c	5.7	15.6
1/4	5.8	15.5
+5	5.8	15.5
+7	5.2	16.1
cb	5.3	16.0
E	5.5	15.8
50' 5		
E	5.1	16.2
c	4.8	16.5
+3	4.8	16.8
+5	5.4	15.9



2133

1/4	5.1	16.4
e	4.8	16.5
1/4	5.1	16.4
+s	5.4	15.9
+7	3.9	17.4
cb	3.9	17.4
w	3.8	17.5
100'S		
w	2.8	18.5
cb	3.1	18.4
+d	3.1	18.4
+s	4.8	16.5
1/4	4.6	16.7
c	4.0	17.3
1/4	4.5	16.8
+b	4.8	16.5
+7	3.7	17.6
d	3.8	17.5
E	3.8	17.5
150'S		
E	3.7	18.4
cb	3.4	17.9
+d	4.0	17.3
1/4	4.1	17.4
c	3.8	17.5
1/4	4.5	16.8

2133

18379 30

+4	4.8	16.51
+6	3.3	18.0
cb	3.2	18.1
w	3.3	18.0
200'S		
w	3.0	18.3
cb	3.4	17.9
+3	3.5	17.8
+5	5.0	16.3
1/4	4.8	16.5
c	4.0	17.3
1/4	4.3	17.0
+6	4.5	16.8
+7	3.5	17.8
cb	3.4	17.9
E	3.4	17.9
250'S		
E	3.9	17.4
cb	3.9	17.4
+3	3.9	17.4
+d	4.9	16.4
1/4	4.9	16.4
c	4.6	16.7
1/4	5.1	16.4
+6	5.4	15.9
+7	4.0	17.3



21.33

cb	4.0	17.3
W	3.9	17.4
	285 S	
W	3.5	17.8
+4	4.3	17.0
cb	4.4	16.9
+3	4.5	16.8
+5	5.8	15.5
1/4	5.7	15.6
C	5.2	16.1
1/4	5.0	15.9
+6	5.4	15.9
+7	4.6	16.7
cb	4.3	17.0
E	4.2	17.1
	300 S = NL of Main	
E	4.6	16.7
cb	4.8	16.5
+4	5.6	15.7
1/4	5.5	15.8
C	5.5	15.8
1/4	5.9	15.4
+5	5.9	15.4
+8	4.7	16.6
cb	4.7	16.6
W	4.6	16.7

21.33

Vesta

35

Ncb	14' S of NL	
W	5.4	15.9
cb	5.4	15.9
+5	6.1	15.7
1/4	6.0	15.3
e	5.7	15.6
1/4	5.6	15.7
cb	5.4	15.9
E	5.0	16.3
	22' S of NL = NL of PANING	
E	5.78	15.55
W	6.03	15.30
W	6.27	15.06
	4.26	17.07
		17.05

Check BM.  
NE spike Main + Vesta



Moore  
Foster  
Walker

Course Section of  
Woden St Main to Heasia

60' wide  
10' sh  
10' 1/4"

1807

595

18.07

12.12

Main d  
Woden

NL MAIN = 0000

22' S of NL Main = NL of paving

W	7.97	10.10
C	8.18	98.9
E	8.45	96.4

18' S of NL Main

E	7.4	10.7
cb	7.4	10.7
+4	8.3	9.8
1/2	8.1	10.0
C	7.7	10.4
1/2	8.1	10.0
cb	7.7	10.4
+2	7.0	11.1
W	6.7	11.4

14' S of NL Main = 0000

W	6.5	11.6
cb	6.7	11.4
+4	7.5	10.6
1/2	7.9	10.2
C	7.5	10.6
1/2	7.9	10.2
+5	8.1	10.0
+7	7.3	10.8
cb	7.1	11.0
E	7.2	10.9

E	6.5	11.6
cb	6.4	11.7
+3	6.5	11.6
+5	7.3	10.8
1/2	7.1	11.0
C	7.2	10.9
1/2	7.3	10.8
+3	7.1	11.0
+4	6.4	11.7
cb	6.3	11.8
W	6.2	11.9

25' N

W	5.0	13.1
cb	5.2	12.7
+3	5.6	12.5
+5	6.6	11.5
1/2	6.2	11.9
C	6.0	12.1
1/2	6.1	12.0
+6	6.2	11.9
+7	5.6	12.5
cb	5.4	12.7
E	5.5	12.6

50' N

E	5.0	13.1
---	-----	------



1807

cb	51	13.0
+3	50	13.1
+4	59	17.7
1/2	56	17.5
0	54	17.7
1/2	57	17.4
+6	61	17.0
+8	50	13.1
cb	47	13.4
w/	47	13.4
	75' N	
w/	42	13.9
cb	43	13.8
+2	45	13.6
+4	55	17.6
1/2	52	17.9
0	50	13.1
1/2	53	17.8
+6	55	17.6
+7	48	13.3
cb	47	13.4
E	48	13.3
	125' N	
E	41	14.0
cb	39	14.4
+3	38	14.3

1807

Woden 37

+4	4.7	13.4
1/2	4.6	13.5
0	4.3	13.8
1/2	4.5	13.6
+6	4.6	13.5
+7	3.7	14.6
cb	3.7	14.6
w/	3.5	14.6
	150' N	
w/	3.2	14.8
cb	3.7	14.4
+1	4.5	13.6
1/2	4.3	13.8
0	4.2	13.9
1/2	4.6	13.5
+6	5.0	13.1
+7	3.9	14.7
cb	3.8	14.3
E	3.7	14.4
	175' N	
E	4.0	14.1
cb	4.1	14.0
+3	4.1	14.0
+4	4.7	13.4
1/2	4.5	13.6
0	4.1	14.0



1807

1/4		4.4	13.7
+6		4.6	13.5
+7		3.3	14.8
cb		3.3	14.8
w		3.3	14.8
	225' N		
w		3.4	14.7
cb		3.6	14.5
+3		3.6	14.5
+2		4.8	13.3
1/4		4.5	13.6
c		4.4	13.7
1/4		4.6	13.5
+6		5.0	13.1
+7		4.4	13.7
1/4		4.5	13.6
E		4.8	13.3
	275' N		
E		5.3	14.8
cb		5.0	13.1
+3		4.9	13.7
+4		4.6	13.5
1/4		5.1	13.0
c		4.8	13.3
1/2		4.9	13.7
+6		4.9	13.7

1807

W. Boden 38

+7		3.4	14.7
cb		3.3	14.8
w		3.1	15.0
	300' N =	SL of DALBERGIA	
w		3.0	15.1 100 wide
cb		3.3	14.8 20' sh
+4		5.0	13.1 15' sh
1/4		5.2	14.9
c		4.8	13.3
1/4		5.3	14.8
+6		5.7	14.4
cb		5.3	14.8
E		5.7	14.4
	+14		
E		6.1	14.0
c		5.6	14.5
+5		6.3	11.8
1/4		5.3	14.8
c		4.9	13.4
1/4		5.1	13.0
+5		5.4	14.7
cb		3.9	14.7
w		3.1	15.0
	+16		
w		5.5	14.6
cb		5.8	14.3



1807

1/2		5.1	13.0
0		4.9	13.7
1/4		5.3	17.8
+5		6.8	11.3
cb		7.0	11.1
E		7.2	10.9
	S cb		
E		6.2	11.7
cb		6.2	11.9
1/4		5.2	17.9
0		4.9	13.7
1/4		4.8	13.3
cb		4.7	13.4
w		4.5	13.6
	S 1/2		
w		4.0	14.1
cb		4.3	13.8
1/4		4.7	13.4
0		5.1	13.0
1/4		5.3	17.8
cb		5.6	17.5
E		6.0	17.1
	+7		
E		6.2	11.9
cb		6.0	17.1
1/4		5.5	17.6

1807

Woden 39.

E		5.3	17.8
1/4		5.4	17.7
cb		5.0	13.1
w		4.5	13.6
	+9		
w		5.9	17.7
cb		5.9	17.7
1/4		5.8	17.3
0		5.3	17.8
1/4		5.6	17.5
cb		6.0	17.1
E		6.2	11.9
	E S D Elect. RR		
E on S Rail		6.11	11.96
E		6.3	11.8
cb		6.1	17.0
1/4		5.7	17.4
0		5.5	17.6
1/4		5.2	17.9
cb		5.1	13.0
w		5.0	13.1
w on S Rail		4.91	13.46
	+6		
w		5.4	17.7
cb		5.8	17.3
1/4		5.8	17.3



1807

c	5.3	17.8
1/4	6.0	17.1
+5	6.0	11.7
cb	6.0	17.1
E	6.2	11.9
	+9	
1E	6.1	17.0
cb	6.0	17.1
+5	6.4	11.7
1/4	6.0	17.1
c	5.2	17.9
1/4	5.4	17.7
cb	4.2	13.9
w	3.4	14.7
	N 1/4	
w	3.0	14.5
cb	4.1	14.0
1/4	4.8	13.3
c	5.1	13.0
1/4	5.8	17.3
+5	6.5	11.6
cb	6.0	17.1
E	6.4	11.7
	N/cb	
E	6.7	11.4
cb	6.7	11.4
+7	6.4	11.7
+8	5.4	17.7

1807

Woden 41

1/4	5.2	17.9
c	4.5	13.6
1/4	4.5	13.6
cb	4.5	13.6
w	4.1	14.0
	+6	
w	4.4	13.7
cb	4.6	13.5
+5	6.0	17.1
1/4	4.5	13.6
c	4.5	13.6
1/4	5.0	13.1
+4	6.3	11.8
cb	6.5	11.6
E	7.8	10.3
	+8	
E	6.3	11.8
cb	6.2	11.9
1/4	5.1	13.0
c	4.5	13.6
1/4	4.5	13.6
+5	5.9	17.4
cb	4.3	13.8
w	3.1	15.0
	NL = 0+00	
w	2.5	15.6



18.07

d	3.5	14.6
+5	4.9	13.4
1/4	4.7	13.4
c	4.6	13.5
1/4	5.1	13.0
cb	5.4	14.7
E	6.5	11.6
25' N		
E	5.5	14.6
cb	5.0	13.1
1/4	5.0	13.1
c	4.4	13.7
1/4	4.5	13.6
+6	4.7	13.4
cb	3.1	15.0
w	2.9	15.4
50' N		
w	2.5	15.6
cb	3.2	14.9
+4	4.5	13.6
1/4	4.2	13.9
c	4.0	14.1
1/6	4.7	13.4
cb	4.2	13.9
E	4.9	13.4

18.07

Woden

75' N		
-5	5.7	17.4
E	5.5	14.6
cb	4.8	13.3
1/4	4.3	13.8
c	3.6	14.5
1/4	3.8	14.3
+7	3.9	14.4
cb	2.6	15.5
w	2.5	15.6
125' N		
w	1.7	16.4
cb	2.3	15.8
+3	3.5	14.6
1/4	3.3	14.8
c	3.2	14.9
1/4	3.6	14.5
+5	3.8	14.3
cb	5.0	13.1
E	5.2	14.9
+5	6.0	14.1
150' N		
-5	5.3	14.8
E	5.2	14.9
cb	4.9	13.4
+7	3.3	14.8



1807		
1/4		14.9
c		15.4
1/4		15.1
+6		15.0
cb		15.8
w		16.7
175' N		
w		16.9
cb		16.8
+3		15.4
1/4		15.7
c		15.9
1/4		15.5
+4		15.4
+7		14.4
cb		13.8
E		14.1
+5		14.3
200 N		
-5		15.5
E		15.4
cb		14.8
+6		16.3
1/4		16.3
c		16.5
1/4		16.1

1807		Waden 43
+7		16.0
cb		17.3
w		17.4
225' N		
w		18.1
cb		17.9
+3		16.7
1/4		16.8
c		17.4
1/4		17.0
+4		17.0
cb		15.4
E		15.5
+5		15.6
275' N		
-5		17.1
E		17.4
cb		17.9
T.P	1092 28.83 ✓	17.91
1/4		18.7
c		18.8
1/4		18.4
+6		18.4
+8		20.0
cb		20.1
w		20.4



2883

297' N

W	7.7	21.1
cb	7.7	21.1
+4	9.7	19.1
1/4	9.3	19.5
c	9.1	19.7
1/4	9.4	19.4
cb	9.8	19.0
E	10.7	18.1
+5	11.2	17.6

300' N - 5L Cottonwood

-5	9.9	18.9	80' water
E	9.9	18.9	10' sky
cb	9.5	19.3	13' 1/2
1/4	9.3	19.5	
c	9.0	19.8	
1/4	9.2	19.6	
+6	9.5	19.3	
+8	8.1	20.7	
cb	7.8	21.0	
W	7.7	21.1	

S cb

W	7.6	21.7
cb	7.7	21.1
+3	8.0	20.8
+5	8.9	19.9

2883

Wodex 20

1/4	8.5	20.3
c	8.5	20.3
1/4	9.0	19.8
cb	9.1	19.7
+5	8.8	20.0
E	9.0	19.8
	-6	
E	9.1	19.7
cb	9.2	19.6
+5	9.3	19.5
1/4	8.8	20.0
c	8.3	20.5
1/4	8.4	20.4
+5	8.7	20.1
+7	7.9	20.9
cb	7.8	21.0
1/4	7.8	21.0
	± 1/4	
W	7.6	21.2
cb	7.7	21.1
+5	8.5	20.3
1/4	8.1	20.7
c	8.0	20.8
1/4	8.6	20.2
+5	9.1	19.7
cb	8.8	20.0
E	9.1	19.7



28.83

Φ

E	8.5	70.3
cb	8.3	70.5
+d	8.7	70.1
1/4	8.2	70.6
c	7.6	71.4
1/4	7.8	71.0
+d	8.1	70.7
cb	7.6	71.4
w	7.1	71.7
	2 1/4	
w	7.0	71.8
cb	7.1	71.7
+s	7.8	71.0
1/4	7.3	71.5
c	7.2	71.6
1/4	7.9	70.9
+b	8.3	70.5
cb	7.8	71.0
E	8.4	70.4
	+7	
E	8.2	70.6
cb	7.5	71.3
+s	8.1	70.7
1/4	7.6	71.4
c	7.1	71.7

28.83

Wodenus

1/4	7.4	71.4
+s	7.6	71.4
cb	7.0	71.8
w	7.2	71.6
	+9	
w	6.2	71.6
cb	6.2	71.6
+s	7.4	71.4
1/4	7.4	71.4
c	7.0	71.8
1/4	7.6	71.4
+s	8.2	70.6
cb	7.2	71.6
E	7.5	71.3
	N cb	
E	7.2	71.6
cb	6.9	71.9
+s	6.9	71.9
+4	7.9	70.9
1/4	7.3	71.5
c	6.9	71.9
1/4	7.2	71.6
+s	7.3	71.5
+8	5.9	71.9
cb	5.8	73.0
w	6.0	71.8



28.83

- N. Cottonwood - 0+00

w	5.8	73.0
cb	5.8	73.0
+3-	5.7	73.1
+5	6.9	71.9
1/4	6.7	74.1
c	6.3	74.5
1/2	6.7	74.1
+5	7.3	71.5
cb	6.5	74.3
E	6.7	74.1
50' N		
E	5.1	73.7
cb	5.0	73.8
+5	5.8	73.0
1/4	5.2	73.6
c	5.0	73.8
1/2	5.4	73.4
+6	5.8	73.0
+7	5.0	73.8
cb	5.0	73.8
w	5.0	73.8
100' N		
w	4.1	74.7
cb	3.7	75.1
+2	3.8	75.0

28.83

Woden 46

+4	4.3	74.5
1/4	3.9	74.9
c	3.7	75.1
1/4	3.9	74.9
+5	4.5	74.3
cb	3.8	75.0
E	3.8	75.0
125' N		
E	2.8	76.0
cb	2.6	76.4
+5	3.5	75.3
1/4	3.1	75.7
c	2.9	75.9
1/4	3.2	75.6
+5	3.5	75.3
+7	3.1	75.7
cb	3.0	75.8
w	3.0	75.8
150' N		
w	2.2	76.6
cb	2.5	76.3
+5	2.9	75.9
1/4	2.2	76.6
c	2.0	76.8
1/4	2.2	76.6
+5	2.6	76.4



2883

cb		2.2	76.6
E		2.1	76.7
	200' N		
R		0.2	78.6
cb		0.1	78.7
+5		0.6	78.4
1/2		0.2	78.6
E		0.0	78.8
1/2		0.2	78.6
+6		0.7	78.1
+8		0.0	78.8
cb		0.1	78.7
W		0.5	78.3
T.P.	12.17	40.73 ✓	0.27
	225' N		
W		11.7	79.0
cb		11.1	79.6
+2		11.7	79.0
1/4		11.2	79.5
E		11.0	79.7
1/2		11.1	79.6
+5		11.4	79.3
+7		10.5	30.7
cb		10.5	30.7
E		10.6	30.1

4073

Woden 47

	250' N		
E		8.7	37.0
cb		9.1	31.6
+3		9.1	31.6
+5		9.8	30.9
1/4		9.8	30.9
E		9.8	30.9
1/2		9.9	30.8
+6		10.6	30.1
+7		10.1	30.6
cb		10.1	30.6
W		10.6	30.1
	275' N		
W		9.3	31.4
cb		9.6	31.1
+3		8.5	32.7
+5		9.3	31.4
1/4		8.8	31.9
E		8.6	32.1
1/4		8.8	31.9
+4		8.6	32.1
+8		7.5	33.7
cb		7.5	33.7
E		7.5	33.7
	300' N SL BIRCH		
E		6.7	34.0

fold do  
13 1/4 5



4073

cb	6.6	34.1
+3	6.7	34.0
+8	8.1	34.6
1/2	8.0	34.7
c	7.8	34.9
1/2	7.9	34.8
+6	8.1	34.6
+7	7.7	33.0
cb	7.6	33.1
w	8.4	34.3
	Sct	
w	7.7	33.0
cb	7.3	33.4
+4	7.4	33.3
+5	8.0	34.7
1/2	7.6	33.1
c	7.4	33.3
1/2	7.7	33.0
+4	7.6	33.1
cb	6.6	34.1
E	6.6	34.1
	+5	
E	6.6	34.1
cb	6.8	33.9
+5	7.6	33.1
1/2	7.6	33.1

4073

Woden. 48

c	7.2	33.5
1/4	7.4	33.3
+5	8.0	34.7
cb	7.4	33.3
w	7.7	33.0
	S 1/4	
w	7.5	33.4
cb	7.5	33.4
1/2	7.3	33.4
c	7.1	33.6
1/2	7.1	33.6
cb	7.1	33.6
E	6.9	33.8
	4	
E	6.7	34.0
cb	6.6	34.1
1/4	6.7	34.0
c	6.8	33.9
1/4	6.9	33.8
cb	7.1	33.6
w	7.1	33.6
	N 1/4	
w	7.1	33.6
cb	6.9	33.8
1/4	6.9	33.8
c	6.8	33.9



40.73

1/2	6.8	33.9
cb	6.8	33.9
E	6.7	34.0
	+7	
E	6.4	34.3
cb	6.6	34.1
1/2	6.8	33.9
C	6.7	34.0
1/2	6.9	33.8
+5	7.3	33.4
+7	6.7	34.0
cb	6.6	34.1
1/2	6.8	33.9
	N of	
1/2	6.7	34.0
cb	6.5	34.2
+4	6.8	33.9
+5	7.5	33.7
1/2	6.9	33.8
C	6.7	34.0
1/2	6.7	34.0
+5	6.7	34.0
+7	6.1	34.6
cb	6.1	34.6
E	6.1	34.6

40.73

Woden

19

N of Birch - 0+00

E	5.8	34.9	
cb	5.8	34.9	
	+4		
	5	6.0	34.7
	+6	6.7	34.0
	1/2	6.4	34.3
	C	6.4	34.3
	1/2	6.7	34.0
	+7	7.2	33.5
	+8	6.4	34.3
	cb	6.4	34.3
	1/2	6.7	34.0
	Set B.M. 13' Mon	7.31	33.42
	50' N		
	1/2	5.9	34.8
	cb	5.8	34.9
	+3	6.1	34.6
	+4	6.7	34.0
	1/2	6.1	34.6
	C	5.7	35.0
	1/2	5.8	34.9
	+5	6.5	34.7
	+7	5.6	35.1
	cb	5.6	35.1
	E	5.6	35.1

Woden  
Birch



40.73

75' N

E	5.0	35.7
cb	4.9	35.8
+3	5.0	35.7
+5	6.0	34.7
1/4	5.5	35.2
c	5.2	35.5
1/4	5.6	35.1
+6	6.1	34.6
+7	5.6	35.1
d	5.7	35.0
w	6.2	34.5
	125' N	
w	5.3	35.4
cb	4.8	35.9
+3	4.8	35.9
+5	5.2	35.5
1/4	4.7	36.0
c	4.4	36.3
1/2	4.6	36.1
+6	5.1	35.6
+7	4.0	36.7
cb	4.2	36.5
E	4.3	36.4
	175' N	
E	3.2	37.5

40.73

Woden 50

cb	3.4	37.3
+4	4.2	36.5
1/4	3.9	36.8
c	3.7	37.0
1/4	4.1	36.6
+6	4.7	36.0
+7	4.3	36.4
cb	4.2	36.5
w	4.7	36.0
	225' N	
w	3.5	37.2
cb	3.0	37.7
+3	3.1	37.6
+4	3.8	36.9
1/4	3.1	37.6
c	2.7	38.0
1/4	2.9	37.8
+5	3.1	37.6
cb	2.6	38.1
E	2.5	38.2
	275' N	
E	1.4	39.3
cb	1.6	39.1
+2	1.7	39.0
+4	2.4	38.3
1/4	1.9	38.8



40.73

0		1.7	39.0
1/4		2.2	38.5
+6		2.8	37.9
+7		2.3	38.4
1/2		2.3	38.4
3/4		2.8	37.9
	300' W		
1		2.1	38.3
cb		1.7	39.0
+5		2.2	38.5
1/2		1.8	38.9
c		1.4	39.3
1/4		1.5	39.4
+7		2.0	38.7
+8		1.2	39.5
cb		1.2	39.5
E		1.1	39.6
	321.01' W		
E		0.6	40.1
cb		0.5	40.4
+3		0.7	40.0
+4		1.4	39.3
1/4		1.2	39.5
c		1.0	39.7
T.P.	546	44.97	39.51
		1.2	
W		6.6	38.4

343.20' W on EL + 30' W on incl. Sections = 1247 on Angle

44.97

Woden

cb		5.8	39.4
+4		6.1	38.9
1/4		5.9	39.1
c		5.2	39.8
1/2		5.2	39.8
+8		5.4	39.6
+10		4.1	40.9
cb		4.0	41.0
E		3.8	41.4
T.P.	322	39.65	8.54
			3643
	check B.M. SW spike		
	Feasig + Vosty	9.49	3016
			3017

SW spike  
Woden +  
Feasig



Moore  
2/20/55  
Cross Section of Epsilon  
Wagon East to 40th

30' wide  
14' shw,  
13' 1/2

51.70

52

Sw spike

12.19

51.70 ✓

39.51

Flordia +  
Wagon

w of 39th =

60' wide 10' s/w

75.45 w of w of 39th on N  
36.84 ✓ ✓ ✓ ✓ ✓ S

S	10.5	41.2
+14	10.2	41.5
cb	11.6	40.1
1/4	10.9	39.2
0	10.9	39.8
1/4	11.4	40.3
+7	11.9	39.8
+9	11.1	40.6
cb	11.2	40.5
N	10.9	39.8

cb = 15.57

1/4 = 14.46

S

cb

+4

+6

1/4

0

1/4

+8

cb

1/4

N

+5

+7

cb

1/4

0

1/4

+7

+9

cb

S

S

cb

9.2

9.2

9.2

9.8

9.2

8.9

9.3

9.9

9.0

9.0

w cb

8.6

8.7

9.7

9.5

8.9

8.6

9.0

9.4

9.7

8.8

8.8

w 1/4

8.8

8.9

44.3

44.5

44.5

41.9

44.4

44.8

44.4

41.8

44.7

44.7

43.1

43.0

44.0

44.2

44.8

43.1

44.7

44.3

43.0

44.9

44.9

44.9

44.8



5170

1/2		8.7	43.0
c		8.4	43.3
1/2		8.6	43.1
cb		8.8	41.9
N		8.6	43.1
	<del>#</del>		
N		8.3	43.4
cb		8.4	43.3
1/4		8.4	43.3
e		8.0	43.7
1/4		8.3	43.4
cb		8.4	43.3
S		8.3	43.4
	E 1/4		
S		8.3	43.4
cb		8.3	43.4
1/4		8.0	43.7
c		7.6	44.1
1/4		8.0	43.7
cb		8.3	43.4
N		8.2	43.4
	E cb		
N		7.9	43.8
cb		7.9	43.8
+4		8.1	43.6
1/4		7.8	43.9

5170

EPSELOW

53

c		7.3	44.4
1/4		7.8	43.9
+8		8.3	43.4
+9		7.8	43.9
cb		7.8	43.9
S		7.8	43.9
		7.8	43.9
	EL of 3944 = 0+00		
S		7.7	44.0
cb		7.5	44.4
+2		7.8	43.9
+5		8.2	43.5
1/4		7.5	44.4
e		7.0	44.7
1/4		7.7	44.0
+9		8.0	43.7
+11		7.3	44.4
cb		7.4	44.3
N		7.0	44.7
	50 E		
N		6.5	45.4
cb		6.6	45.1
+2		6.3	45.4
+5		7.1	44.6
1/4		6.4	45.3
v		6.0	45.7
1/4		6.6	45.1



5170

+7		7.2	44.5
+8		6.6	45.3
cb		6.6	45.1
S		6.7	45.0
	100' E		
S		6.3	45.4
cb		6.0	45.7
+4		6.0	45.7
+6		6.3	45.4
1/4		5.7	46.0
0		5.2	46.5
1/4		5.7	46.0
+7		6.2	45.5
+9		5.7	46.0
cb		5.7	46.0
N		5.5	46.2
	150' E		
N		5.3	46.4
cb		5.1	46.6
+3		5.2	46.5
+5		5.5	46.2
1/4		4.9	46.8
0		4.4	47.3
1/4		4.9	46.8
+7		5.5	46.2
+9		4.9	46.8

5170

EPSELON

51

cb		5.0	46.7
S		5.3	46.4
	200' E		
S		5.1	46.6
cb		4.8	46.9
+4		4.6	47.1
+6		5.3	46.4
1/4		4.7	47.0
0		3.9	47.8
1/4		4.2	47.5
+7		4.8	46.9
+9		4.0	47.7
cb		4.5	47.2
N		4.6	47.1
	225' E		
N		3.2	48.5
cb		3.7	48.0
+4		3.8	47.9
+5		4.6	47.1
1/4		4.2	47.5
0		4.0	47.7
1/4		4.6	47.1
+7		5.0	46.7
+8		4.4	47.3
cb		4.3	47.4
S		4.9	46.8



5170

2517 E on NL

2505 E ✓ SL

S	4.7	47.0
cb	4.1	47.6
+S	4.3	47.4
1/2	3.9	47.8
c	3.7	48.0
1/2	3.8	47.9
+7	3.6	48.1
cb	2.9	48.8
N	2.2	49.5

275 E

N	3.2	48.5
cb	3.8	47.9
1/2	3.9	47.8
c	4.0	47.7
1/4	4.0	47.7
cb	4.1	47.6
S	4.5	47.2

300 E

S	4.5	47.4
cb	4.1	47.6
1/2	4.1	47.6
c	4.0	47.7
1/2	3.8	47.9
cb	3.5	48.2

5170

EPSELON

55

350 E

N	2.9	48.8
N	2.7	49.0
cb	3.0	48.7
1/2	3.3	48.4
c	3.5	48.2
1/2	3.5	48.2
cb	3.8	47.9
S	4.2	47.5
T.P	6.64	56.48
	1.86	49.84

400 E

S	8.3	48.2
cb	8.0	48.5
1/2	7.4	49.1
c	7.0	49.5
1/2	6.6	49.9
cb	6.7	49.8
N	6.6	49.9

450 E

N	5.6	50.9
cb	6.0	50.5
1/2	6.3	50.2
c	6.7	49.8
1/2	6.9	49.7
cb	7.4	48.1
S	7.6	48.9



5648

- 500' E

S	6.9	549.6
N	6.1	550.4
1/4	5.3	551.7
C	5.1	551.4
1/2	5.1	551.4
cb	4.8	551.7
N	4.5	552.0

550' E

N	2.2	554.1
cb	3.0	553.5
1/4	3.7	552.8
C	4.0	552.5
1/2	4.4	552.1
cb	5.1	551.4
S	5.7	550.8

600' E = W.L. of 40+6

S	4.1	552.4
cb	3.3	553.4
1/4	3.3	553.7
C	3.2	553.3
1/2	3.2	553.3
cb	2.6	553.9
N	1.7	554.8

B.M. B.P. North Entrance to School  
in cement floor  
Epselon + 40+6

6.09 550.39

5648

EPSILON

56

T.P. 227 50.75 850 47.98  
 ch B.M. Wadon + Hensler 11.25 39.50 39.51



ACASIA +  
Vesta SW  
on BM spike

Cross Section of 30+6  
ACASIA to Z St

0.79 30.96 3017

NL ACASIA - 0+00

E	5.0	76.0 /
+8	5.5	75.5
+9	6.9	74.1
cb	6.7	74.3
1/4	7.1	73.9
+5	7.5	73.5
C	9.2	71.8 /
+7	10.5	70.5
+9	13.1	17.9
+11	13.1	17.9
+12	11.2	19.8
1/4	10.6	70.4
cb	9.9	71.1
w	9.8	71.2 /
+5	9.9	71.1
-5	11.0	70.0
w	10.9	70.1 /
cb	10.9	70.1
+12	11.1	19.9
1/4	13.2	17.8
+5	13.2	17.8
+9	11.5	19.5
C	9.5	71.5 /

15' N

50 wide  
101 db  
12' 1/4

to Gamma St

3096

57

+8	7.5	73.5
1/4	7.4	73.6
cb	7.1	73.9
+11	7.1	73.9
+5	5.7	75.3
E	4.9	76.1 /
E	5.1	75.9 /
+9	5.8	75.7
+10	7.1	73.9
cb	7.2	73.8
1/4	7.4	73.6
+5	7.5	73.5
C	9.6	71.4 /
+3	10.4	70.6
+6	13.4	17.6
+10	13.7	17.3
1/4	11.5	19.5
cb	11.3	19.7
w	12.0	19.0 /
+5	12.0	19.0
-5	12.7	18.3
w	12.5	18.5 /
cb	11.8	19.2
1/4	12.1	18.9

25' N

35' N



3096

+4	12.8	18.7
+5	14.3	16.7
+9	14.3	16.7
+10	9.9	21.1
c	9.5	21.5 ✓
+8	7.4	23.6
1/4	7.4	23.6
cb	7.2	23.8
+4	7.2	23.8
+5	5.5	25.5
E	5.2	25.8 ✓
	36' N	
E	5.2	25.8 ✓
+9	5.6	25.4
+10	7.2	23.8
cb	7.2	23.8
1/4	7.4	23.6
+5	7.4	23.6
c	9.5	21.5
+3	9.9	21.1
+4	14.3	16.7
+8	14.4	16.6
+9	12.9	18.1
1/4	12.1	18.9
+1	13.6	17.4
+6	13.5	17.5

3096

38+h

+7	12.1	18.9
cb	11.8	19.2
W	12.6	18.4 ✓
+5	12.8	18.7
	50' N	
-5	14.2	16.8
W	13.8	17.2 ✓
+3	13.1	17.9
cb	12.5	18.5
1/4	12.5	18.5
+1	12.6	18.4
+2	14.1	16.9
+6	14.9	16.1
+7	13.4	17.6
+10	10.0	21.0
c	9.2	21.7 ✓
+4	8.6	22.4
+5	7.9	23.1
1/4	7.6	23.4
cb	7.4	23.6
+4	7.2	23.8
+5	4.2	46.8
E	3.5	27.5 ✓
	63' N	
E	2.9	28.1 ✓
+10	3.5	27.5



3096

+11		7.5	73.5
cb		7.7	73.3
114		8.0	73.0
+8		8.0	73.0
c		9.5	71.5'
+1		10.8	70.7
+4		12.6	18.4
+5		15.4	15.6
+7		15.4	15.6
+10		13.2	17.8
1/4		13.1	17.9
+3		13.0	18.0
+4		14.5	16.5
+6		14.6	16.4
+7		13.2	17.8
cb		13.3	17.7
+8		13.6	17.4
w		15.0	16.0'
+10		17.4	13.6
	70' w		
-10		18.1	14.9
w		16.4	14.6'
+7		14.2	16.8
cb		13.6	17.4
+6		13.7	17.3
+7		14.8	16.7

3096

3847 59

+10		14.8	16.7
1/4		13.4	17.6
+2		13.4	17.6
+3		13.4	17.6
+4		16.4	14.6
+6		12.8	18.7
+9		10.9	20.1
+10		9.8	21.7
C		9.4	21.6'
+5		8.0	23.0
1/4		8.2	22.8
cb		8.1	22.9
+3		7.8	23.7
+5		3.1	27.9
E		2.3	28.7'
	82' w		
E		2.0	29.0'
+10		2.9	28.1
-12		8.0	23.0
cb		8.4	22.6
1/4		8.5	22.5
+8		8.7	22.3
C		10.1	20.9'
+2		10.7	20.3
+5		16.2	14.8
1/4		16.8	14.7



3096

+2	16.8	14.7
+4	14.2	16.8
+5	14.2	16.8
+8	16.6	14.4
cb	16.7	14.3
+1	14.3	16.7
+6	14.6	16.4
w	17.8	13.7
+10	19.0	11.0
	94' N	
-1.5	20.3	10.7
w	18.0	13.0
+10	16.8	14.7
+11	17.4	13.6
cb	17.9	13.1
+5	16.2	14.8
+7	17.5	13.5
c	18.0	13.0
+6	16.5	14.5
+10	11.5	19.5
c	11.0	20.0
+5	8.8	22.7
1/4	9.0	22.0
cb	8.7	22.3
+2	8.5	22.5
+5	2.5	28.5

3096

3847

E	2.1	28.9
	102' N	
E	2.3	28.7
+10	2.5	28.5
+12	8.7	27.3
cb	9.1	27.9
1/4	9.4	27.6
+8	9.6	27.4
c	12.0	19.0
+2	12.8	18.7
+6	18.2	17.8
+10	18.4	17.6
+11	16.2	14.8
1/4	16.1	14.9
+3	16.0	15.0
+4	17.2	13.8
cb	18.0	13.0
+1	16.5	14.5
+4	17.0	14.0
w	18.9	12.1
+6	19.3	11.7
+10	20.4	10.6
+15	20.5	10.5
	119' N	
-1.5	20.5	10.5
w	20.3	10.7



3096

+10	18.9	17.1
cb	18.1	17.9
+4	17.9	13.1
+5	18.5	17.5
+9	18.5	17.5
+11	17.7	13.3
1/2	17.5	13.5
+2	17.6	13.4
+3	18.7	17.3
+6	18.7	17.3
+8	15.3	15.7
C	13.1	17.9
+5	10.7	70.3
1/2	10.3	70.7
cb	10.1	70.9
+2	10.1	70.9
+4	3.6	77.4
+12	3.2	77.8
E	2.2	78.8
132' N		
E	3.7	77.3
+2	4.5	76.5
+9	5.5	75.5
+11	10.9	70.1
cb	11.2	19.8
1/4	11.7	19.3

3096

3877

+11	15.4	18.6
C	13.8	17.4
+5	17.6	13.4
+11	19.2	11.8
+12	18.6	14.4
1/2	18.6	14.4
cb	19.4	11.6
+4	20.2	10.8
W	20.7	10.3
+15	20.8	10.7
150' N		
-15	21.0	10.0
W	20.7	10.3
cb	20.0	11.0
1/4	18.9	14.1
+8	14.9	16.1
C	14.3	16.7
1/4	13.1	17.9
cb	12.4	18.6
+3	12.3	18.7
+5	6.5	74.5
+12	5.6	75.4
E	4.8	76.5
175' N		
E	7.3	73.7
+2	8.0	73.0

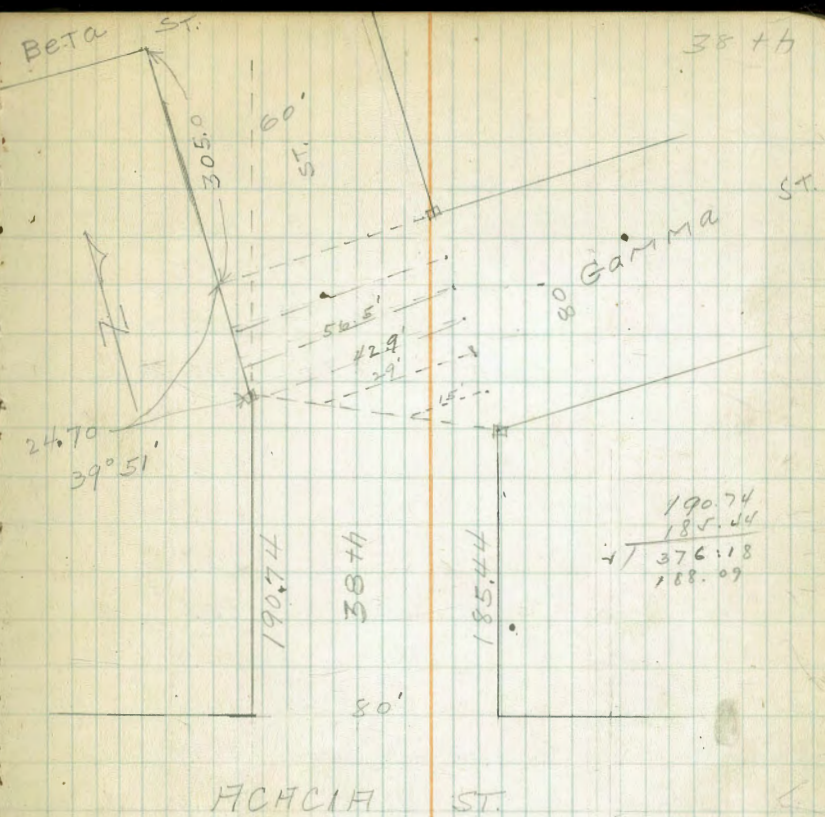


3096

+8	8.5	22.5
+10	11.7	19.3
cb	12.7	18.3
+2	12.9	18.1
1/4	15.3	15.7
C	16.8	14.7
1/4	17.9	13.1
cb	19.3	11.5
w	20.4	10.6
+10	20.5	10.5

185.44' N on E.L. = S.L. Gamma ST.  
 190.74' N of W.L. = A 39° 51'

-10	20.6	10.4	80' wide
w	20.6	10.4	14' slw 13' 1/4's
cb	20.0	11.0	
1/4	19.0	12.0	
C	18.2	14.8	
+7	18.0	13.0	
1/4	17.2	13.8	
cb	12.2	18.8	
+9	10.7	20.3	
E on R.W.H. 0.85	22.61	9.18	21.78
Sct of Gamma ST.			
E	3.0	19.6	
cb	4.8	17.8	
+5	5.9	16.7	



190.74  
 185.44  
 376.18  
 188.09

FCHCIA ST.			
22.61			
S 1/4			
1/4-9	9.8	14.8	38th 10' wide
1-3	10.7	11.9	10' slw
1/4	10.6	14.0	10' 1/4's
E cb	9.9	14.7	
E	9.0	13.6	
+5	8.3	14.3	
-5	11.3	11.3	



2261

E	11.5	11.11
cb	11.7	10.9
1/4	11.8	10.8
c	11.1	11.5
1/4	10.9	11.7
+2.9	10.9	11.7
	N 1/4	
w cb - 65	12.3	10.3
cb	11.9	10.7
1/4	11.7	10.9
c	11.8	10.8
1/4	12.5	10.4
cb	12.2	10.4
E	11.7	10.9
+5	11.6	11.0
	N 06	
-5	12.2	10.4
E	12.5	10.11
cb	12.7	9.9
1/4	12.6	10.0
e	12.3	10.3
1/4	12.4	10.7
cb	12.4	10.7
w	12.5	10.11
+5	12.5	10.1

2261

3874

63

NL GAMMA = 0+00

-5	12.6	10.0
w	12.6	10.01
cb	12.7	9.9
1/4	12.5	10.1
c	12.6	10.0
1/4	12.7	9.9
cb	12.8	9.8
E	12.8	9.81
+5	12.9	9.7
T.P	4.80 14.631	12.78 9.83
	50W	
-5	5.1	9.5
E	5.1	9.51
cb	5.1	9.5
1/4	5.0	9.6
c	4.6	10.0
1/4	4.8	9.8
cb	5.1	9.5
w	5.1	9.51
+5	5.2	9.4
	100W	
w	5.1	9.51
cb	5.0	9.6
1/4	4.9	9.7
c	4.7	9.9



14.63

1/4	5.0	9.6
cb	4.9	9.7
E	5.0	9.6 ✓
125' N		
E	4.8	9.8 ✓
cb	4.9	9.7
+6	5.2	9.4
1/4	4.8	9.8
c	4.7	9.9 ✓
1/4	4.8	9.8
cb	4.8	9.8
W	4.8	9.8 ✓

150' N

W	4.5	10.1 ✓
cb	4.5	10.1
+4	4.9	9.7
1/4	4.4	10.4
C	4.5	10.1
+5	4.9	9.7
+7	4.7	10.5
cb	4.3	10.3
E	4.1	10.5 ✓

175' N

E	4.6	10.0 ✓
cb	4.7	9.9
1/4	4.6	10.0
C	4.4	10.2

14.63

38th 66

1/4	4.6	10.0
cb	4.5	10.1
W	4.3	10.3 ✓
225' N		
W	4.4	10.4 ✓
cb	4.4	10.4
1/4	4.4	10.4
c	4.4	10.4
1/4	4.5	10.1
cb	4.3	10.3
E	4.1	10.5 ✓

275' N

E	4.3	10.3 ✓
cb	4.4	10.4
1/4	4.6	10.0
c	4.5	10.1
1/4	4.7	9.9
cb	4.5	9.8
W	4.7	9.9 ✓

305' N

SL	BETH ST	80 wide
W	4.9	9.7 ✓
cb	4.9	9.7
1/4	5.0	9.6
c	4.6	10.0
1/4	4.7	9.9
cb	4.5	10.1
E	4.5	10.1 ✓



1463

-Sch

E	4.5	10.1
cb	4.7	9.9
1/4	4.8	9.8
C	4.7	9.9
1/4	5.1	9.5
cb	5.2	9.4
W	5.1	9.5

S 1/4

W	5.5	9.1
cb	5.2	9.4
1/4	5.3	9.3
C	5.0	9.6
1/4	5.1	9.5
cb	5.0	9.6
E	4.9	9.7

Φ

E	4.8	9.8
cb	4.7	9.9
1/4	5.0	9.6
C	5.1	9.5
1/4	5.1	9.5
cb	5.2	9.4
W	5.2	9.4

N 1/4

W	4.9	9.7
---	-----	-----

1463

38 + 0.65

cb	5.2	9.4
1/4	5.1	9.5
C	5.3	9.3
1/4	5.1	9.5
cb	4.9	9.7
E	4.9	9.7

N CB

E	4.7	9.9
cb	4.8	9.8
1/4	5.1	9.5
C	5.1	9.5
1/4	5.3	9.3
cb	5.4	9.4
W	5.4	9.4

N 1/4 of BETA = 0 + 0.0

W	5.2	9.4
cb	5.3	9.3
1/4	5.3	9.3
C	5.2	9.4
1/4	4.9	9.7
cb	4.7	9.9
E	4.8	9.8

50' W

E	4.7	9.9
cb	4.7	9.9
1/4	4.7	9.9



14.63

c	4.7	9.9
1/4	4.7	9.9
cb	4.7	9.9
wf	4.8	9.8 /

100' N

wf	5.0	9.6 /
cb	4.8	9.8
1/4	4.8	9.8
c	4.7	9.9
1/4	4.9	9.7
cb	4.7	9.9
E	4.6	10.0 /

150' N

E	4.4	10.4 /
cb	4.5	10.1
1/4	4.5	10.1
c	4.5	10.1
1/4	4.5	10.1
cb	4.6	10.0
wf	4.5	10.1 /

175' N

wf	4.3	10.3 /
cb	4.1	10.5
1/4	4.3	10.3
c	4.1	10.5
1/4	4.2	10.4

14.63

38th W

cb	3.8	10.8
E	3.7	10.9 /
200' N		
E	3.7	10.9 /

cb	3.8	10.8
1/4	4.0	10.6
c	4.0	10.6
1/4	4.0	10.6
cb	4.1	10.5
wf	4.1	10.5 /

250' N

wf	3.5	11.1 /
cb	3.3	11.3
1/4	3.4	11.2
c	3.4	11.2
1/4	3.6	11.0
cb	3.5	11.1
E	3.5	11.1 /

55' N - E Popper tree 30' Diam on w of line

27' ✓ ✓ ✓ ✓ 36' ✓ ✓ ✓ ✓ ✓

300' N - SE of ALPHA ST

E	3.5	11.1 / 30' wide
cb	3.6	11.0 14' dia
1/4	3.9	10.7 12' 1/2 dia
c	3.6	11.0
1/4	3.7	10.9



1463

cb		3.6	11.0	
W		3.6	11.0	1
T.P.	332	16.53 ✓	1.42	13.21
		Scb		SW ALPHA +34th
W		5.3	11.4	1
cb		5.2	11.1	
W		5.4	11.1	
e		5.6	10.9	
W		5.4	11.1	
cb		5.7	10.8	
E		5.7	10.8	1
		1/2		
E		5.3	11.4	1
cb		5.2	11.3	
W		5.2	11.3	
C		5.3	11.4	
W		5.3	11.4	
cb		5.3	11.4	
W		5.3	11.4	1
		E		
W		5.0	11.5	1
cb		4.9	11.6	
W		4.9	11.6	
C		5.0	11.5	
W		5.1	11.4	
cb		5.2	11.3	
E		5.1	11.4	1

1653

38th St

				N 1/4
E		4.9	11.6	1
cb		4.9	11.6	
W		5.0	11.5	
C		5.0	11.5	
W		4.8	11.7	
cb		4.7	11.8	
W		4.9	11.6	1
				N 1/4
W		5.0	11.5	1
cb		5.0	11.5	
W		4.9	11.6	
C		5.0	11.5	
W		5.0	11.5	
W		5.9	10.6	
W		6.1	10.4	
cb		4.9	11.6	
E		4.8	11.7	1
				N 1/4 of ALPHA ST. = 0400
E		4.7	11.8	1
cb		4.6	11.9	
W		6.0	10.5	
W		6.0	10.5	
W		5.0	11.5	
C		5.1	11.4	
W		5.1	11.4	



16.53

cb	5.2	11.3
W	5.2	11.3 /
+5	5.6	10.9
	11' N	
-10	6.7	9.8
W	5.9	10.6 /
cb	5.9	10.6
1/4	5.9	10.6
C	5.3	11.2
+5	5.2	11.3
+8	6.6	9.9
1/4	6.7	9.8
+5	6.2	10.3
+8	4.7	11.8
cb	4.2	11.8
E	4.6	11.9 /
+10	4.6	11.9
	23' N	
-10	5.3	11.7
E	5.2	11.4 /
cb	5.2	11.3
+2	5.5	11.0
+3	6.4	10.1
+5	7.0	9.5
1/4	7.5	9.0
+3	7.5	9.0

16.53

3842 68

+5	6.9	9.6
C	6.5	10.0
1/4	7.1	9.4
cb	8.8	7.7
W	9.9	6.6 /
+3	10.0	6.5
+5	12.2	4.3
+15	13.5	3.0
	25' N	
-15	13.5	3.0
-5	12.4	4.1
W	11.3	5.0 /
+3	10.0	6.5
cb	9.1	7.4
1/4	7.6	8.9
C	6.8	9.7
+4	6.7	9.8
+8	7.7	8.8
1/4	7.8	8.7
+4	7.2	9.3
+8	5.9	10.6
cb	5.5	11.0
E	5.5	11.0 /
+10	5.3	11.4
	29' N	
-10	5.8	10.7



16.53

E	5.9	10.6 ✓
cb	6.1	10.4
+5	7.5	9.0
1/4	8.0	8.5
+5	7.9	8.6
e	7.6	8.9
1/4	9.0	7.5
+8	10.3	6.4
cb	11.6	4.9
w	13.1	3.4 ✓
+15	13.3	3.4
38' N		
-15	13.3	3.4
-10	14.0	4.5
w	14.0	4.5 ✓
cb	13.6	4.9
1/4	13.3	3.4
+5	12.8	3.7
e	11.4	5.1
+2	10.4	6.1
1/4	10.4	6.1
+2	10.4	6.1
+3	9.1	7.4
+5	8.7	7.8
+6	7.7	8.8
cb	7.1	9.4

16.53

38th 60

E	6.7	9.8 ✓
+15	6.5	10.0
40' N		
-15	6.9	9.6
E	7.6	8.9 ✓
cb	9.5	7.0
+2	9.8	6.7
+3	10.5	6.0
+7	11.5	5.0
1/4	12.1	4.4
e	12.1	4.4
1/4	13.0	3.5
cb	13.6	4.9
w	13.6	4.9 ✓
+15	12.9	3.6
49' N		
-15	11.5	5.0 ✓
-2	10.6	5.9
w	11.7	4.8 ✓
cb	13.1	3.4
1/4	12.9	3.6
e	12.9	3.6
1/4	12.3	4.4
+4	11.4	5.1
cb	11.2	5.3
+5	10.6	5.7



16.53

E	10.1	6.2 ✓
+15	7.6	8.9
E3' N'		
-15	8.7	7.8
-7	9.0	7.5
-6	11.3	5.4
E	12.0	4.5 ✓
cb	11.5	5.0
+7	11.5	5.0
1/4	12.3	4.4
+8	12.5	4.0
E	11.2	4.8
+4	12.4	4.1
1/4	12.7	3.8
cb	12.7	3.8
+3	12.4	4.1
+6	10.2	6.1
W	8.8	7.7 ✓
+10	9.5	7.0
+15	8.1	8.4
58' N'		
-15	6.1	10.4
W	6.5	10.0 ✓
cb	8.5	8.0
+2	8.8	7.7
+4	11.6	4.9

16.53

38th 70

1/4	11.7	4.8
+5	12.3	4.4
C	12.0	4.5
1/4	12.2	4.3
+3	12.0	4.5
+5	11.4	5.1
cb	11.5	5.0
E	12.0	4.5 ✓
+15	12.4	4.1
66' N'		
-15	11.7	4.8
E	11.6	4.9 ✓
cb	11.7	4.8
+2	10.8	5.7 ✓
+6	10.8	5.7 ✓
+7	11.6	4.9
1/4	11.7	4.8
+2	11.4	5.1
+3	10.7	5.8
+7	10.5	6.0
C	9.2	7.3
+8	7.2	9.3
+9	6.1	10.4
1/4	6.1	10.4
cb	5.1	11.4
W	4.8	11.7 ✓
+10	4.9	11.6



16.53

75' N

-10	4.7	11.8
w	4.6	11.9 /
cb	4.5	12.0
1/4	4.7	11.8
+7	5.3	11.7
c	6.5	10.0
+7	8.1	8.4
+8	9.6	6.9
1/4	10.0	6.5
+2	10.0	6.5
+4	9.0	7.5
+9	9.6	6.9
cb	10.4	6.1
+4	11.2	5.1
E	11.8	4.7 /
+15	11.9	4.6
-15	11.9	4.6
-3	11.4	5.1
E	10.2	6.3 /
+5	8.5	8.0
cb	8.1	8.4
+6	7.7	8.8
1/4	9.4	7.1
+3	8.4	8.1

80' N

16.53

38+7 71

+5	7.3	9.7
+8	5.1	11.4
c	4.5	14.0
1/4	4.6	11.9
cb	4.4	14.1
w	4.6	11.9 /
+10	4.6	11.9
-10	4.4	14.1
w	4.4	14.1 /
cb	4.3	14.4
1/4	4.3	14.4
c	4.0	14.5
+4	4.3	14.4
+5	5.3	11.7
+8	6.3	10.4
+9	7.2	9.3
1/4	7.7	8.8
+4	7.0	9.5
+6	4.6	11.9
cb	4.5	14.0
+3	4.8	11.7
+4	5.3	11.7
E	6.7	9.8 /
+8	8.2	8.3
+10	9.6	6.9
+15	10.1	6.4

89' N



1653

90° N

-15	8.2	83
-6	5.3	117
E	4.5	170 /
cb	4.3	177
+6	4.4	171
+8	6.1	104
1/4	6.5	100
+4	5.4	111
+6	3.9	176
C	4.1	174
1/4	4.2	177
cb	4.2	177
w	4.3	177 /
+10	4.3	177
110° N		
-10	4.4	171
w	4.4	171 /
cb	4.3	177
1/4	4.4	171
C	4.1	174
+5	3.9	176
1/4	4.5	170
+5	4.1	174
cb	4.1	174
E	4.1	174 /
+15	4.3	177

1653

38 + 1/2

130° N

-10	3.7	177
E	3.8	177 /
cb	4.0	175
1/4	3.9	176
C	4.0	175
1/4	4.2	177
cb	4.4	171
w	4.5	170 /
+10	4.5	170
150° N		
-10	3.8	177
w	3.4	131 /
cb	3.2	133
1/4	3.0	135
C	2.7	138
1/4	2.8	137
cb	2.7	138
E	2.7	138 /
+10	2.6	139
175° N		
-10	0.0	165
E	0.0	165 /
cb	0.4	161
1/4	0.4	161
C	0.5	160



1653

1/4		0.9	156	
cb		1.4	151	
w		1.7	148 ✓	
+10		1.8	147	
T.P.	1239	2880 ✓	0.12	1641
	200' N			
-10		12.0	168	
w		11.4	174 ✓	
cb		11.3	175	
1/4		10.9	179	
c		10.6	184	
1/4		10.1	187	
cb		9.8	190	
E		9.3	195 ✓	
+10		9.4	194	
	250' N			
-10		3.4	254	
E		3.6	254 ✓	
cb		4.0	248	
1/4		4.2	256	
c		4.7	241	
1/4		5.2	236	
cb		5.7	231	
w		6.3	225 ✓	
+10		6.8	220	
T.P.	881	3699 ✓	0.62	2818

36.99

38 + H

73

300' N = S L O + Z S +					
-10		3.2	338		
w		3.0	340 ✓		
cb		3.2	338		
1/4		4.0	330		
c		4.7	323		
1/4		5.0	320		
cb		5.2	318		
E		5.2	318 ✓		
+10		5.1	319		
	Set BM 13' N. W. Z + 38' H				
T.P.	112	25.37 ✓	12.74	24.25	1221
T.P.	142	14.63 ✓	12.16	13.21	check BM M.P.M. + 32' H
T.P.	1223	26.49 ✓	0.37	14.26	✓
T.P.	875	34.14 ✓	1.10	25.89	✓
	check BM M.C. + V. 29				
		3.98	30.16	30.17	✓



5/21/25

Graphic. CROSS SECTION OF 60' wide BONAIR ST 12' cbs, from E.L. of Draper St To S.D. Elec. Ry. Embankment.

BONAIR

79

116.90

10.97 116.90 105.93 ON S. CB W.L. Draper at Bon Air

E.L. Draper

5 7.1 109.8 ✓

+1 8.5 108.4 ✓

cb 8.8 108.1 ✓

1/4 9.7 107.2 ✓

c 9.6 107.3 ✓

1/4 9.7 107.2 ✓

cb 9.0 107.9 ✓

+3 8.5 108.4 ✓

N 8.0 108.9 ✓

N 6.3 110.6 ✓

+10 5.9 111.0 ✓

cb 7.1 109.8 ✓

1/4 7.8 109.1 ✓

c 7.7 109.2 ✓

1/4 8.0 108.9 ✓

+6 7.8 109.1 ✓

cb 7.1 109.8 ✓

+2 6.5 110.4 ✓

5 6.4 110.5 ✓

5 4.6 112.3 ✓

cb 5.6 111.3 ✓

12' E

25' E

1/4

C

1/4

cb

N

N

cb

1/4

C

1/4

T.P.

cb

S

S

cb

1/4

C

1/4

cb

N

N

cb

+L

55' E

12.4/8 129.22

75' E

100' E

5.6	111.3 ✓
5.5	111.4 ✓
5.3	111.6 ✓
4.8	112.1 ✓
4.4	112.5 ✓
2.5	114.4 ✓
2.5	114.4 ✓
2.6	114.3 ✓
2.5	114.4 ✓
0.9	116.0 ✓
0.16	116.74 ✓
12.0	117.2 ✓
10.6	118.6 ✓
9.2	120.0 ✓
10.1	119.1 ✓
11.1	118.1 ✓
12.5	116.7 ✓
13.1	116.1 ✓
13.4 ✓	115.8 ✓
13.4	115.8 ✓
11.3	117.9 ✓
11.2	118.0 ✓
11.1	118.1 ✓



129.22

1/4	10.4	118.8 ✓
c	9.4	119.8 ✓
1/4	8.8	120.4 ✓
cb	8.0	121.2 ✓
s	7.4	121.8 ✓

125 E

s	5.6	123.6 ✓
cb	6.4	122.8 ✓
1/4	6.5	122.7 ✓
c	7.3	121.9 ✓
1/4	8.2	121.0 ✓
cb	9.1	120.1 ✓
N	9.1	120.1 ✓

144 E

N	8.5	120.7 ✓
cb	7.4	121.8 ✓
1/4	6.7	122.5 ✓
c	5.8	123.4 ✓
1/4	5.3	123.9 ✓
cb	4.9	124.3 ✓
+6	4.3	124.9 ✓
s	4.3	124.9 ✓

146 E

s	4.2	125.0 ✓
cb	5.0	124.2 ✓
+1	6.3	122.9 ✓

BONAIR

129.22

1/4	9.0	120.2 ✓
+4	7.4	121.8 ✓
+5	5.6	123.6 ✓
c	5.9	123.3 ✓
1/4	6.8	122.4 ✓
cb	7.3	121.9 ✓
N	8.9	120.3 ✓
+5	8.1	121.1 ✓

155 E

-10	9.8	119.4 ✓
-5	10.9	118.3 ✓
N	10.6	118.6 ✓
+3	9.5	119.7 ✓
cb	8.4	120.8 ✓
+7	7.7	121.5 ✓
1/4	7.0	122.2 ✓
+5	8.1	121.1 ✓
+7	9.6	119.6 ✓
c	9.6	119.6 ✓
+6	9.0	120.2 ✓
1/4	7.3	121.9 ✓
+6	7.3	121.9 ✓
cb	7.9	121.3 ✓
+2	8.7	120.5 ✓
+6	7.6	121.6 ✓
+7	4.8	124.4 ✓
s	4.1	125.1 ✓



129.22

160° E

S	4.1	125.1 ✓
+5	5.0	124.2 ✓
+7	7.6	121.6 ✓
+10	8.4	120.8 ✓
cb	7.8	121.4 ✓
+2	6.4	122.8 ✓
1/4	7.1	122.1 ✓
C	9.1	120.1 ✓
+7	10.5	118.7 ✓
1/4	9.0	120.2 ✓
+4	8.5	120.7 ✓
cb	9.3	119.9 ✓
+5	9.5	119.7 ✓
+6	11.5	117.7 ✓
N	11.6	117.6 ✓
+10	11.7	117.5 ✓

164° E

-10	11.2	118.0 ✓
N	11.2	118.0 ✓
+10	11.6	117.6 ✓
cb	10.9	118.3 ✓
1/4	10.6	118.6 ✓
+4	10.2	119.0 ✓
C	8.4	120.8 ✓
+3	7.4	121.8 ✓

129.22

BONAIR

+5	6.6	122.6 ✓
1/4	7.0	122.2 ✓
+3	6.0	123.2 ✓
cb	6.1	123.1 ✓
+1	7.2	122.0 ✓
+5	8.2	121.0 ✓
+8	7.5	121.7 ✓
+9	4.9	124.3 ✓
5	4.5	124.7 ✓

180° E

S	3.2	126.0 ✓
+2	5.8	123.4 ✓
+7	7.2	122.0 ✓
+10	5.7	123.5 ✓
cb	4.6	124.6 ✓
1/4	4.5	124.7 ✓
+5	5.4	123.8 ✓
C	4.7	124.5 ✓
1/4	4.8	124.4 ✓
cb	5.0	124.2 ✓
+6	5.4	123.8 ✓
N	6.3	122.9 ✓
+10	8.3	120.9 ✓

200° E

-10	5.6	123.6 ✓
N	5.0	124.2 ✓



129.22

cb		3.9	125.3 ✓	
3/4		3.1	126.1 ✓	
c		2.2	127.0 ✓	
1/4		1.8	127.4 ✓	
cb		3.1	126.1 ✓	
+2		4.8	124.4 ✓	
+10		4.9	124.3 ✓	
+11		2.7	126.5 ✓	
5		2.5	126.7 ✓	
+5		1.8	127.4 ✓	
TP.	9.61	137.56	1.27	127.95 ✓

215' E

-5		9.6	128.0 ✓
5		10.0	127.6 ✓
+2		11.9	125.7 ✓
+6		13.0	124.6 ✓
+10		12.4	125.2 ✓
cb		10.3	127.3 ✓
1/4		9.8	127.8 ✓
c		9.6	128.0 ✓
1/4		10.4	127.2 ✓
cb		12.1	125.5 ✓
N		13.0	124.6 ✓
+10		13.3	124.3 ✓

225' E

-10		12.6	125.0 ✓
-----	--	------	---------

137.56

BONAIR

N		12.2	125.4 ✓
cb		11.7	125.9 ✓
1/4		10.2	127.4 ✓
c		9.5	128.1 ✓
1/4		9.3	128.3 ✓
cb		9.1	128.5 ✓
+6		9.7	127.9 ✓
+9		11.8	125.8 ✓
5		12.5	125.1 ✓
+5		11.7	125.9 ✓
+10		8.8	128.8 ✓

230' E

-10		11.6	126.0 ✓
-3		11.7	125.9 ✓
5		9.1	128.5 ✓
cb		8.9	128.7 ✓
1/4		9.0	128.6 ✓
c		9.5	128.1 ✓
1/4		10.4	127.2 ✓
cb		11.5	126.1 ✓
N		11.9	125.7 ✓
+10		12.3	125.3 ✓

250' E

-10		10.9	126.7 ✓
N		10.7	126.9 ✓
cb		10.1	127.5 ✓



137.56

1/4	9.4	128.2 ✓
c	8.6	129.0 ✓
1/4	7.8	129.8 ✓
cb	7.6	130.0 ✓
S	6.8	130.4 ✓
+5	6.5	131.1 ✓
292' E = Toe of RR slope on S.		
S	4.3	133.3 ✓
cb	5.0	132.6 ✓
1/4	5.7	131.9 ✓
c	6.0	131.6 ✓
1/4	6.9	130.7 ✓
cb	7.7	129.9 ✓
N	8.1	129.5 ✓
+10	8.4	129.2 ✓
292' E = 00 S. 7' = Toe of slope 332' - N 1' =		
N	5.2	132.4 ✓
cb	5.2	132.4 ✓
1/4	5.5	132.1 ✓
c	5.0	132.6 ✓
1/4	5.1	132.5 ✓
cb	4.9	132.7 ✓
S	4.3	133.3 ✓

RR Rail is 7.5 higher than

57  
129572  
47  
36

BONAIR

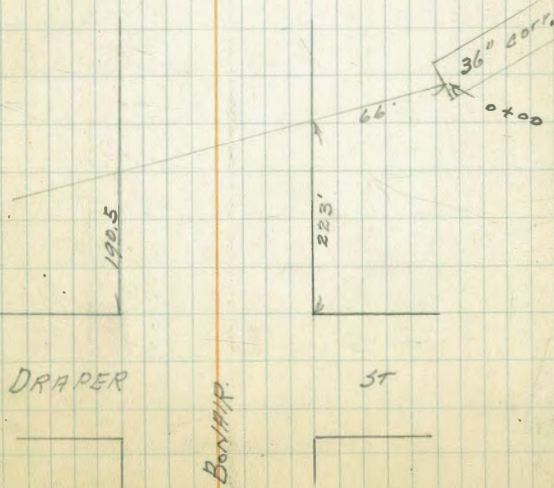
78

Levels on proposed Culvert

0+00 = End of  
36" Corrugated  
Culvert under RR

137.56

6.80	130.76 ✓ = Flowline
8.3	129.3 ✓
6.7	130.9 ✓
8.5	129.1 ✓
10.7	126.9 ✓ 4.7
12.5	125.1 ✓
12.7	124.9 ✓
10.3	127.3 ✓
10.1	127.5 ✓
12.7	124.9 ✓
14.8	122.8 ✓
17.2	120.4 ✓
19.8	118.3 ✓



DRAPER

BONAIR

ST



5/21/48

Levels on E. L. of  
Neptune Place  
from S.L. Playa Del

	0.67	30.15		29.48
T.P.	7.77	25.27	12.65	17.50
S.L. Playa Del Sur			6.0	
12' S			7.2	
20' S			10.3	
30' S			11.4	
35' ✓			13.1	
51' ✓			13.3	
54' ✓			10.2	
59' ✓			7.8	
70' ✓			5.7	
85' ✓			5.2	
100' ✓	bank 25' W.		5.4	
125' ✓	✓ 12' ✓		5.8	
150' ✓	✓ 16' ✓		6.1	
171.47 ✓	= N.L. Gravilla		5.8	
181.50 ✓	= N.Cb (bank 20' W)		5.91	
S.L. Gravilla	Top of pile of Dirt		5.7	
20' S-			4.2	
28' ✓			9.8	
31' ✓			7.7	
50' ✓	bank 35' W.		7.8	
75' ✓	✓ 50' ✓		7.9	
100' ✓	✓ 40' ✓		7.7	
125' ✓	✓ 27' ✓		7.6	

S.E. Kolmar  
+ Anita

150' S	bank 20' W.		7.4	
175' ✓	✓ 15' ✓		7.5	
200' ✓	✓ 6' ✓		7.5	
215.4' ✓	= N.L. Kolmar ✓ 25' ✓		7.2	
N.Cb. Kolmar			7.15	on cement
5' ✓	✓		7.17	✓ ✓
S.L. Kolmar	bank 35' W.		7.2	
25' S	✓ 56' ✓		7.6	
50' ✓	✓ 63' ✓		7.8	
75' ✓	✓ 70' ✓		7.6	
100' ✓	✓ 50' ✓		7.8	17.5
T.P.	9.84	27.15	7.96	17.31
125' S	bank 5' W		10.2	
150' ✓	✓ 2' ✓		9.5	17.1
175' ✓	✓ 2' ✓		8.9	
200' ✓	✓ 10' ✓		7.8	
215.4' ✓	= N.L. Rosemont		6.9	
N.Cb Rosemont	Rosemont		6.6	
150' S ✓	✓		11.1	
33' S. of N.L. ✓	✓		13.2	
38' ✓	✓		10.6	
5' Cb Lino	No cement		5.9	
S.L. Rosemont	bank 15' W		5.5	
50' S	bank 22' W		4.8	
100' ✓	✓ 12' ✓		4.6	
117' ✓			4.6	

269.3  
215.400

79



118.5	6.5
137 ✓	11.2
159 ✓	9.3
162 ✓	6.6
170 ✓	7.3
172 ✓	4.4
185 ✓	4.3
186 ✓	7.8
200 ✓	10.8
212 ✓	6.4
215.40 ✓	4.1
230 ✓	2.3
245.45	1.8



259  
50  
208.6

6 708  
8  
50.70

27.6  
310 J 24.80 (8%)

796  
8  
63.68

2590  
637  
195.3

58  
26  
12

12  
25  
55  
75  
100  
125  
143  
145  
155 100  
180 164  
200  
215  
225  
230  
250  
292 = T.O.

49

11  
23  
25  
29  
38  
44  
49  
58  
66  
75  
80  
89  
94  
100  
130 - 110