

1441



WENTWORTH BOOK

NO. 530 F

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DEC 23 1964

Bundles Lath # III
 " Stakes #
 Dozen Hubs II

B.M. - M. Hole - So. of Kansas Court
 North Edge of M.H. - 269.52

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CONTOUR
AND CROSS SECTION
RECREATIONAL AREA

No. East Corner

BALBOA PARK

3-3-32

Drebert, Chief

Walton, ⌘ 3-3 to 3-8

Bailey, Hd. Ch. 3-3 to 3-8

Kanagy, Rr. Ch. 3-3 to 4-5

Elder, ⌘ 3-9 to 3-11

Bell, Hd. Ch. 3-9 to 4-5

Clavert, Ch. 3-12

Keyser, Ch. 3-14 to 4-5

Mosier, ⌘ 4-6 to 4-20

Olmsted, Ch. 4-6 to 4-20

De Ferini, Ch. 4-6 to 4-20

N. Line Halboa Park

3-3-32
Drebert
Walton
Bailey
Kanagy

V 40' R P NW 1000' JW HW FW

CW BW C.T. 20' Nail 700' JE LE 40'

Section "H"

Section A

Section B

Page 64 - 1441

Page 4 - 1441

Page 2 - 1443

450'

Section C

Section D

Page 21 - 1441

Page 21 - 1443

175'

Section E

Section "F"

Page 34 - 1441

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825'

Section "G"

Page 51

1441

400'

A 50
B 100
C 150
D 200
E 250
F 300

T 10 R 9 P 8 NW 7 LW 6 JW 5 HW 4 FW 3

50' 50' 50' CW BW AW 1 BE DE FE HE JE LE NE



index
CSM.



B.M. 3+40 Hub Page 18
Base C.T.
B.M. 5+92 Hub Page 18 Nail

B.M. 7+93 Hub
B.M. 8+87 Hub Replaced 8-17-34

B.M. 10+70 Hub
B.M. 11+15 Hub Found 8-17-34
12+0 Hub

B.M. 13+03 Hub Found
Base line
14+50 Hub B.M. Found

Page 41
B.M. 17+82 Hub B.M. Found

19+81 Hub
19+92 Hub B.M.
20+52 Hub B.M.

3-7-32
Drebert
Walton
Bailey
Kangy

2

Description

Contours in Section A (600' So. of 0+00 & 650' W. of Texas St. base line)

Book 1441 - Data west of Texas St. base line.

" 1443 - " East " " " "

Sections are cut up into 25' squares.

Shots on each corner. Extra shots on all breaks.

Trees and trenches located and noted following cross section notes of each section.

All trenches checked and banked dirt balances the trench

All shots taken on original ground in vicinity of trenches. No breaks taken to show trenches (see trench location section)

B.L. (Texas St. base line)

0+00 (Header board on south edge of Upas St. paving, 40' So. of No. line of Upas.

Survey of Sewer Line from Field House to 12" Main in Florida St. Canyon in Book #1443, page 34

	+	H.I.	-	
S.E. B.P.				
Texas & Myrtle	2.89	285.27'		282.38
C.T. 7' Line Texas			4.35	280.92'
N. Prop. line Upas	1.09	282.01'		
			1.4	280.6
			2.0	280.0
				Contour
				280 Contour
1. 12' W. of B.L., 0+00				
2. A, 0+12				
3. A, 0+30				
4. B.L., 0+45		?		
5. B.L., 5+15		?		
			3.0	279.0
				Contour
1. B.L., 5+73		?		
2. 10' W. of B.L., 5+50				
3. 13' W. of B.L., 5+00				
4. 19' W. of B.L., 4+50				
5. 27' W. of B.L., 4+00				
6. 14' W. of B.L., 3+50				
7. B.L., 3+12				
8. B.L., 0+95				
9. A, 0+80				
10. A+25, 0+50				
11. B, 0+15				
12. B+20, 0+00				

E.P.W. 0+00
N.S. 0+12

+ H.I. 282.01

- 4.0 278.0 Contour

- 1. D +44, 0+00
- 2. D, 0+22
- 3. C, 0+37
- 4. B+25, 0+50
- 5. B, 0+88
- 6. A+40, 1+00
- 7. A, 1+25
- 8. B.L.+20, 1+50
- 9. B.L., 1+72
- 10. B.L.+07, 2+00
- 11. B.L.+05, 2+50
- 12. B.L.+33, 3+00
- 13. A, 3+08
- 14. A, 3+50
- 15. B.L.+36, 4+00
- 16. B.L.+36, 4+50
- 17. B.L.+23, 4+82
- 18. B.L.+37, 5+00
- 19. B.L.+37, 5+20
- 20. B.L.+27, 5+50
- 21. B.L., 6+00

2.80 279.21 TP. 1' offset Hub B.L. 3+40

+ H.I. 282.01

- 5.0 277.0 Contour

- 1. G+07, 0+00
- 2. H, 0+07
- 3. I, 0+12
- 4. J, 0+22
- 5. J+27, 0+50
- 6. J+20, 1+00
- 7. J, 1+33
- 8. I+35, 1+50
- 9. I, 1+70
- 10. H, 1+87
- 11. G, 1+50
- 12. F+27, 1+00
- 13. F, 0+80
- 14. E, 0+82
- 15. D, 0+85
- 16. C+27, 1+00
- 17. C, 1+00
- 18. B, 1+31
- 19. A+36, 1+50
- 20. A+08, 2+00
- 21. A+13, 2+50
- 22. A+21, 3+00
- 23. A+30, 3+50

- 24. A+17, 4+00
- 25. A, 4+50
- 26. B.L.+40, 4+80
- 27. B.L.+45, 5+00
- 28. B.L.+47, 5+50
- 29. B.L.+22, 6+00

+ H.I.
282.01

6.0 276.0 Contour

1. A+05, 6+00	24. K+35, 1+00
2. A+21, 5+50	25. K+25, 0+50
3. A+11, 5+00	26. K+35, 0+25
4. A+27, 4+50	27. J, 0+12
5. B, 4+00	28. I, 0+08
6. B+10, 3+50	29. H, 0+02
7. B+10, 3+00	30. G+36, 0+00
8. B, 2+50	
9. B+5, 2+00	
10. B+45, 1+50	
11. C, 1+55	
12. C+22, 1+50	
13. D, 1+33	
14. E, 1+18	
15. F, 1+50	
16. G, 2+00	
17. G+22, 2+50	
18. H, 2+75	
19. I, 2+75	
20. J, 2+80	
21. K, 2+50	
22. K, 2+00	
23. K+20, 1+50	

Cross Section of Section "A" (600' So. of 0+00
& 650' W. of Texas St. Base Line)

	+	H.I.	-
TP T' Line Texas			
N. Prop. line Hpas	0.97	281.89	280.92
BL, 0+00 Header board			1.72
A, 0+00			2.33
B, 0+00			2.78
C, 0+00			3.17
D, 0+00			3.55
E, 0+00			3.92
F, 0+00			4.35
G, 0+00			4.78
H, 0+00			5.40
I, 0+00			6.05
J, 0+00			6.74
K, 0+00			7.44
L, 0+00			8.10
M, 0+00			8.80
M, 0+20			7.1
L+25, 0+20			6.5
L, 0+20			6.3
K+25, 0+20			5.7
K, 0+20			5.4
J+25, 0+20			5.3
J, 0+20			5.3

ETB.
3/9/32

+	H.I.	-	
	281.89		
I+25,0+20		5.1	276.8
I, 0+20		4.5	277.4
H+25,0+20		4.2	277.7
H, 0+20		4.5	277.4
G+25, 0+20		4.7	277.2
G, 0+20		4.6	277.3
F+25, 0+15		4.4	277.5
F, 0+15		4.3	277.6
E+25, 0+15		4.2	277.7
E, 0+15		4.1	277.8
D+25, 0+15		3.9	278.0
D, 0+15		3.7	278.2
C+25, 0+15		3.6	278.3
C, 0+15		3.5	278.4
B+25, 0+15		3.3	278.6
B, 0+15		2.9	279.0
A+25, 0+15		2.4	279.5
A, 0+15		1.9	280.0
B.L.+25, 0+15		1.3	280.6
B.L., 0+15		1.3	280.6
B.L., 0+50		2.0	279.9
B.L.+25, 0+50		2.0	279.9
A, 0+50		2.4	279.5
A+25, 0+50		2.9	279.0

+	H.I.	-	
	281.89		
B, 0+50		3.4	278.5
B+25, 0+50		3.9	278.0
C, 0+50		4.0	277.9
C+25, 0+50		4.1	277.8
D, 0+50		4.1	277.8
D+25, 0+50		4.4	277.5
E, 0+50		4.6	277.3
E+25, 0+50		4.6	277.3
F, 0+50		4.7	277.2
F+25, 0+50		4.7	277.2
G, 0+50		4.7	277.2
G+25, 0+50		4.6	277.3
H, 0+50		4.4	277.5
H+25, 0+50		4.3	277.6
I, 0+50		4.5	277.4
I+25, 0+50		4.6	277.3
J, 0+50		4.8	277.1
J+25, 0+50		5.0	276.9
K, 0+50		5.4	276.5
K+25, 0+50		5.9	276.0
L, 0+50		6.4	275.5
L+25, 0+50		6.9	275.0
M, 0+50		7.3	274.6

	+	H.I.	-	
		281.89		
0+75				
M			7.4	274.5
L+25			6.9	275.0
L			6.2	275.7
K+25			5.7	276.2
K			5.5	276.4
J+25			5.1	276.8
J			4.8	277.1
I+25			4.7	277.2
I			4.5	277.4
H+25			4.2	277.7
H			4.3	277.6
G+25			4.6	277.3
G			4.7	277.2
F+25			4.8	277.1
F			5.0	276.9
E+25			4.7	277.2
E			4.8	277.1
D+25			4.6	277.3
D			4.3	277.6
C+25			4.4	277.5
C			4.3	277.6
B+25			4.0	277.9
B			3.5	278.4

	+	H.I.	-	
		281.89		
A+25			3.1	278.8
A			2.6	279.3
B.L.+25			2.3	279.6
B.L.			2.2	279.7
I+00				
B.L.			2.6	279.3
B.L.+25			2.9	279.0
A			3.3	278.6
A+25			3.7	278.2
B			4.1	277.8
B+25			4.6	277.3
C			4.9	277.0
C+25			5.0	276.9
D			5.3	276.6
D+25			5.5	276.4
E			5.4	276.5
E+25			5.3	276.6
F			5.3	276.6
F+25			4.9	277.0
G			5.0	276.9
G+25			4.8	277.1
H			4.5	277.4
H+25			4.3	277.6
I			4.6	277.3

	+	H.I.	-	
		281.89		
1+00				
I+25			4.9	277.0
J			5.0	276.9
J+25			5.2	276.7
K			5.5	276.4
K+25			5.8	276.1
L			6.4	275.5
L+25			7.3	274.6
M			7.7	274.2
1+25				
M			8.0	273.9
L+25			7.3	274.6
L			6.5	275.4
K+25			6.1	275.8
K			5.7	276.2
J+25			5.2	276.7
J			5.0	276.9
I+25			4.8	277.1
I			4.7	277.2
H+25			4.4	277.5
H			4.3	277.6
G+25			5.1	276.8
G			5.2	276.7
F+25			5.3	276.6

	+	H.I.	-	
		281.89		
1+25				
F			5.6	276.3
E+25			5.6	276.3
E			5.8	276.1
D+25			5.8	276.1
D			5.5	276.4
C+25			5.5	276.4
C			5.4	276.5
B+25			5.1	276.8
B			4.7	277.2
A+25			4.3	277.6
A			3.9	278.0
H.L+25			3.7	278.2
H.L.			3.2	278.7
1+50				
B.L.			3.6	278.3
B.L+25			4.0	277.9
A			4.4	277.5
A+25			4.7	277.2
B			5.1	276.8
B+25			5.7	276.2
C			5.8	276.1
C+25			5.9	276.0
D			6.1	275.8

	+	H.I.	-	
		281.89		
1+50				
D+25			6.2	275.7
E			6.4	275.5
E+25			6.3	275.6
F			5.8	276.1
F+25			5.6	276.3
G			5.3	276.6
G+25			5.1	276.8
H			4.8	277.1
H+25			4.6	277.3
I			5.1	276.8
I+25			5.1	276.8
J			5.2	276.7
J+25			5.1	276.8
K			5.8	276.1
K+25			6.2	275.7
L			6.8	275.1
L+25			7.5	274.4
M			8.1	273.8
1+75				
M			8.0	273.9
L+25			7.7	274.2
L			6.9	275.0
K+25			6.3	275.6

	+	H.I.	-	
		281.89		
1+75				
K			5.9	276.0
J+25			5.3	276.6
J			5.2	276.7
I+25			5.2	276.7
I			5.1	276.8
H+25			5.0	276.9
H			5.0	276.9
G+25			5.6	276.3
G			5.7	276.2
F+25			5.8	276.1
F			6.0	275.9
E+25			6.7	275.2
E			6.7	275.2
D+25			6.7	275.2
D			6.7	275.2
C+25			6.6	275.3
C			6.4	275.5
B+25			6.2	275.7
B			5.6	276.3
A+25			5.3	276.6
A			4.7	277.2
B.L+25			4.4	277.5
B.L.			4.1	277.8

	+	H.I.	-	
		281.89		
2+00				
B.L.			3.7	278.2
B.L.+25			4.2	277.7
A			4.7	277.2
A+25			5.2	276.7
B			5.5	276.4
B+25			6.3	275.6
C			7.0	274.9
C+25			7.3	274.6
D			7.3	274.6
D+25			7.3	274.6
E			7.3	274.6
E+25			6.8	275.1
F			7.0	274.9
F+25			6.5	275.4
G			6.1	275.8
G+25			5.6	276.3
H			5.3	276.6
H+25			5.4	276.5
I			5.5	276.4
I+25			5.3	276.6
J			5.4	276.5
J+25			5.7	276.2
K			6.2	275.7

	+	H.I.	-	
		281.89		
2+00				
K+25			6.6	275.3
L			7.2	274.7
L+25			7.9	274.0
M			8.4	273.5
2+25				
M			8.8	273.1
L+25			8.2	273.7
L			7.6	274.3
K+25			7.0	274.9
K			6.2	275.7
J+25			5.9	276.0
J			5.6	276.3
I+25			5.4	276.5
I			5.5	276.4
H+25			5.5	276.4
H			5.6	276.3
G+25			6.0	275.9
G			6.4	275.5
F+25			6.8	275.1
F			7.1	274.8
E+25			7.2	274.7
E			7.6	274.3
D+25			7.7	274.2

	+	H.I.	-	
		281.89		
R+25				
II			7.8	274.1
C+25			7.5	274.4
C			7.2	274.7
B+25			6.7	275.2
B			5.9	276.0
A+25			5.2	276.7
A			4.6	277.3
B.L.+25			4.0	277.9
B.L.			3.8	278.1
R+50				
B.L.			3.8	278.1
B.L.+25			4.1	277.8
A			4.6	277.3
A+25			5.0	276.9
B			5.9	276.0
B+25			6.9	275.0
C			7.3	274.6
C+25			7.8	274.1
II			8.1	273.8
II+25			8.0	273.9
E			8.0	273.9
E+25			7.9	274.2
F			7.5	274.4

	+	H.I.	-	
		281.89		
R+50				
F+25			7.1	274.8
G			6.6	275.3
G+25			5.8	276.1
H			5.6	276.3
H+25			5.8	276.1
I			5.7	276.2
I+25			5.6	276.3
J			5.9	276.0
J+25			6.0	275.9
K			5.9	276.0
K+25			6.9	275.0
L			7.4	274.5
L+25			8.4	273.5
M			8.0	273.9
R+75				
M			9.1	272.8
L+25			8.5	273.4
L			7.6	274.3
K+25			6.9	275.0
K			6.4	275.5
J+25			6.1	275.8
J			6.0	275.9
I+25			5.9	276.0

	+	H.I.	-	
		281.89		
2+75				
I			6.1	275.8
H+25			6.1	275.8
H			6.1	275.8
G+25			6.3	275.6
G			6.8	275.1
F+25			7.5	274.4
F			7.9	274.0
E+25			8.1	273.8
E			8.3	273.6
II+25			8.3	273.6
II			8.3	273.6
C+25			8.0	273.9
C			7.6	274.3
B+25			6.3	275.6
B			5.8	276.1
A+25			5.1	276.8
A			4.5	277.4
BL+25			4.0	277.9
B.L.			3.4	278.5
3+00				
B.L.			3.1	278.8
B.L+25			3.6	278.3
A			4.2	277.7

	+	H.I.	-	
		281.89		
3+00				
A+25			4.9	277.0
B			5.8	276.1
B+25			6.5	275.4
C			7.6	274.3
C+25			8.1	273.8
D			8.5	273.4
II+25			8.7	273.2
E			8.8	273.1
E+25			8.6	273.3
F			8.2	273.7
F+25			7.9	274.0
G			7.0	274.9
G+25			7.0	274.9
H			6.4	275.5
H+25			6.5	275.4
I			6.2	275.7
I+25			6.0	275.9
J			6.3	275.6
J+25			6.4	275.5
K			6.7	275.2
K+25			7.3	274.6
L			8.0	273.9
L+25			8.6	273.3
M			8.5	273.4

	+	H.I.	-	
		281.89		
3+25				
M			9.6	272.3
L+25			8.8	273.1
L			8.1	273.8
K+25			7.5	274.4
K			6.9	275.0
J+25			6.5	275.4
J			6.6	275.5
I+25			6.5	275.4
I			6.6	275.3
H+25			6.5	275.4
H			6.6	275.3
G+25			7.5	274.4
G			7.7	274.2
F+25			8.2	273.7
F			8.5	273.4
E+25			8.8	273.1
E			8.0	273.9
D+25			8.9	273.0
D			8.7	273.2
C+25			8.2	273.7
C			7.4	274.5
B+25			6.6	275.3
B			5.9	276.0

	+	H.I.	-	
		281.89		
3+25				
A+25			5.1	276.8
A			4.1	277.8
B.L+25			3.1	278.8
B.L.			2.6	279.3
3+50				
B.L.			2.7	279.2
B.L+25			3.3	278.6
A			3.9	278.0
A+25			4.7	277.2
B			5.7	276.2
B+25			6.5	275.4
C			7.7	274.2
C+25			8.4	273.5
D			8.9	273.0
D+25			9.2	272.7
E			9.3	272.6
E+25			9.2	272.7
F			8.9	273.0
F+25			8.7	273.2
G			8.4	273.5
G+25			7.8	274.1
H			7.5	274.4
H+25			7.3	274.6

	+	H.L.	-
		281.89	
3+50			
I		7.0	274.9
I+25		6.9	275.0
J		6.9	275.0
J+25		6.9	275.0
K		7.3	274.6
K+25		7.6	274.3
L		8.2	273.7
L+25		9.1	272.8
M		9.5	272.4
3+75			
M		9.9	272.0
L+25		9.1	272.8
L		8.4	273.5
K+25		7.8	274.1
K		7.6	274.3
J+25		7.2	274.7
J		7.1	274.8
I+25		7.4	274.5
I		7.7	274.2
H+25		7.9	274.0
H		8.1	273.8
G+25		8.4	273.5
G		8.8	273.1

	+	H.L.	-
		281.89	
3+75			
F+25		8.9	273.0
F		9.1	272.8
E+25		9.4	272.5
E		9.5	272.4
D+25		9.5	272.4
D		9.0	272.9
C+25		8.4	273.5
C		7.8	274.1
B+25		6.8	275.1
B		5.8	276.1
A+25		4.9	277.0
A		4.2	277.7
B.L.+25		3.2	278.7
B.L.		2.3	279.6
4+00			
B.L.		2.2	279.7
B.L.+25		3.0	278.9
A		4.3	277.6
A+25		5.1	276.8
B		5.7	276.2
B+25		6.9	275.0
C		8.0	273.9
C+25		8.6	273.3

	+	H.I.	-	
		281.89		
4+00				
II			9.4	272.5
II+25			9.8	272.1
E			9.9	272.0
E+25			9.7	272.2
F			9.6	272.3
F+25			9.6	272.3
G			9.4	272.5
G+25			9.2	272.7
H			8.7	273.2
H+25			8.6	273.3
I			8.4	273.5
I+25			7.8	274.1
J			7.4	274.5
J+25			7.5	274.4
K			7.6	274.3
K+25			7.9	274.0
L			8.4	273.5
L+25			9.1	272.8
M			9.8	272.1
4+25				
M			10.2	271.7
L+25			9.4	272.5
L			8.8	273.1

	+	H.I.	-	
		281.89		
4+25				
K+25			8.4	273.5
K			8.2	273.7
J+25			7.7	274.2
J			7.1	274.8
I+25			8.2	273.7
I			8.7	273.2
H+25			9.3	272.6
H			9.4	272.5
G+25			9.8	272.1
G			10.0	271.9
F+25			10.0	271.9
F			10.0	271.9
E+25			10.1	271.8
E			10.2	271.7
II+25			10.1	271.8
D			9.7	272.2
C+25			8.9	273.0
C			8.1	273.8
B+25			7.3	274.6
B			6.6	275.3
A+25			5.2	276.7
A			4.1	277.8
B.L+25			3.2	278.7
B.L.			2.1	279.8

	+	H.I.	-	
		281.89		
4+50				
B.L.			2.2	279.7
B.L.+25			3.5	278.4
A			4.6	277.3
A+25			5.7	276.2
B			7.1	274.8
B+25			8.0	273.9
C			8.8	273.1
C+25			9.2	272.7
D			10.1	271.8
D+25			10.5	271.4
E			10.6	271.3
E+25			10.4	271.5
F			10.4	271.5
F+25			10.3	271.6
G			10.3	271.6
G+25			10.4	271.5
H			9.9	272.0
H+25			9.7	272.2
I			9.4	272.5
I+25			8.8	273.1
J			8.2	273.7
J+25			8.1	273.8
K			8.3	273.6

	+	H.I.	-	
		281.89		
4+50				
K+25			8.7	273.2
L			9.3	272.6
L+25			9.6	272.3
M			10.3	271.6
4+75				
M			10.8	271.1
L+25			10.4	271.5
L			9.7	272.2
K+25			9.1	272.8
K			8.4	273.5
J+25			8.4	273.5
J			8.7	273.2
I+25			9.1	272.8
I			9.7	272.2
H+25			10.4	271.5
H			10.7	271.2
G+25			11.1	270.8
G			11.0	270.9
F+25			10.9	271.0
F			10.8	271.1
E+25			10.7	271.2
E			10.7	271.2
D+25			10.7	271.2

	+	H.L.	-	
		281.89		
4+75				
II			10.4	271.5
C+25			10.2	271.7
C			9.1	272.8
B+25			8.1	273.8
B			7.4	274.5
A+25			6.5	275.4
A			5.4	276.5
B.L+25			3.7	278.2
B.L.			2.5	279.4
5+00				
B.L.			2.3	279.6
B.L+25			3.6	278.3
A			5.1	276.8
A+25			6.8	275.1
B			7.9	274.0
B+25			8.9	273.2
C			9.2	272.7
C+25			10.4	271.5
II			11.1	270.8
II+25			11.5	270.4
E			11.2	270.7
E+25			11.0	270.9
F			11.2	270.7

	+	H.L.	-	
		281.89		
5+00				
F+25			11.4	270.5
G			11.6	270.3
G+25			11.6	270.3
H			11.5	270.4
H+25			10.8	271.1
I			10.3	271.6
I+25			9.3	272.6
J			8.9	273.0
J+25			9.3	272.6
K			9.1	272.8
K+25			9.5	272.4
L			10.0	271.9
L+25			11.3	270.6
M			11.9	270.0
5+25				
M			12.7	269.2
L+25			11.8	270.1
L			10.7	271.2
K+25			10.1	271.8
K			9.5	272.4
J+25			9.6	272.3
J			9.5	272.4
I+25			10.0	271.9

	+	H.L.	-	
		281.89		
5+25				
I			10.9	271.0
H+25			11.3	270.6
H			12.0	269.9
G+25			12.3	269.6
G			12.1	269.8
F+25			12.1	269.8
F			11.7	270.2
E+25			11.5	270.4
E			11.5	270.4
II+25			12.2	269.7
II			11.5	270.4
C+25			10.1	271.8
C			9.4	272.5
B+25			8.6	273.3
B			7.8	274.1
A+25			6.5	275.4
A			5.0	276.9
B.L+25			3.3	278.6
B.L.			2.0	279.9
5+50				
B.L.			2.4	279.5
B.L+25			3.7	278.2
A			5.1	276.8

	+	H.L.	-	
		281.89		
5+50				
A+25			6.3	275.6
B			7.5	274.4
B+25			7.9	274.0
C			9.3	272.6
C+25			10.6	271.3
II			11.5	270.4
II+25			12.5	269.4
E			12.3	269.6
E+25			12.2	269.7
F			12.3	269.6
F+25			12.6	269.3
G			12.8	269.1
G+25			12.8	269.1
H			12.5	269.4
H+25			12.0	269.9
I			11.3	270.6
I+25			10.7	271.2
J			9.9	272.0
J+25			10.1	271.8
K			9.9	272.0
K+25			10.8	271.1
L			11.2	270.7
L+25			12.2	269.7
M			13.2	268.7

	+	H.I.	-
		281.89	
5+75			
M		13.9	268.0
L+25		12.9	269.0
L		12.1	269.8
K+25		11.1	270.8
K		10.5	271.4
J+25		10.7	271.2
J		10.7	271.2
I+25		11.2	270.7
I		12.1	269.8
H+25		12.7	269.2
H		13.3	268.6
G+25		13.7	268.2
G		13.9	268.0
F+25		13.7	268.2
F		13.3	268.6
E+25		13.2	268.7
E		12.9	269.0
II+25		13.1	268.8
D		11.9	270.0
C+25		10.8	271.1
C		9.2	272.7
B+25		8.1	273.8
B		7.7	274.2

	+	H.I.	-
		281.89	
5+75			
A+25		6.5	275.4
A		5.8	276.1
B.L.+25		4.3	277.6
B.L.		3.0	278.9
1' offset hub B.L. 3+40		2.69	279.20
1' offset hub B.L. 5+92	0.13	278.37	279.21
6+00		3.65	278.24
B.L.		0.4	278.0
B.L.+25		1.5	276.9
A		2.4	276.0
A+25		3.9	274.5
B		4.5	273.9
B+25		5.5	272.9
C		6.4	272.0
C+25		7.6	270.8
II		8.3	270.1
II+25		9.0	269.4
II+37		9.7	268.7
E		12.6	265.8
5+88, E		13.6	264.8
5+82, E		9.3	269.1
5+82, II+37		9.3	269.1
5+85, E+25		10.9	267.5

	+	H.L.	-	
		278.37		
5+92, E+25			16.5	261.9
6+00, E+25			16.5	261.9
6+03, E+25			11.6	266.8
6+01, E			10.4	268.0
6+05, F			22.7	255.7
5+92, F			15.6	262.8
5+87, F			11.8	266.6
6+00, F+25			12.5	265.9
G			11.7	266.7
G+25			11.3	267.1
H			10.7	267.7
H+25			10.4	268.0
I			9.5	268.9
I+25			8.0	270.4
J			8.2	270.2
J+25			7.8	270.6
K			7.9	270.5
K+25			8.4	270.0
L			9.5	268.9
L+25			10.7	267.7
M			11.6	266.8

Trenches & Trees in Section A

- #1 Straight trench. North end F+35, 2+30; South End G+10, 4+60. Average width 4', average depth 1', length 230'.
- #2 Straight trench. North end, C+05, 3+10; South End C+10, 3+45. Av. width 5', av. depth 1', length 35'.
- #3 Straight trench. North end, B.L.+35, 4+00 South end, B.L., 5+50, Av. width 4', av. depth 0.7', length 150'.
- #4 Straight trench. Intersects #3 at B.L.+25, 4+37. East end B.L., 4+40. Av. width 3.5'. Av. depth 0.6', length 26'.
- #5 Straight trench. Intersects #3 at B.L.+15, 4+75. East end B.L., 4+80. Av. width 3'. Av. depth 0.5', Length 16'.
- #6 Gully. East End, C+25, 6+00. West End, D+40, 5+80. North angle, D, 5+80. Av. width 5.0'. Av. depth 0.7'.

Trees

- #1 Straight row of locust trees. West End, L+34, 3+90. East End, J+04, 4+15. 8 trees. Av. dia. 6". Av. height 25'. Spacing East to west 6', 6', 5.5', 6', 5.5', 5' & 5'.

Trees

- #2 Two trees, 'dia 26" dia. at B+42, 3+47.
8" dia at B+40, 3+20; 6" dia. at B+25, 3+15
Av. heights 20'.
- #3 Group of 6 eucalyptus centered at B+25,
2+75, Av. dia 1'. Av. height 50'. Radius of
group 15'
- #4 One 3" euca. F+40, 2+75. Height 10'
- #5. Three locust trees. Av. 6" dia. Av. Height
20'. In straight line. East end, H+45,
2+75. West end I+25, 2+70. 15' between
trees.
- #6. Main western group. Several hundred
euca. Av. dia 6". Av. height 40'
Boundary starting at N.W. cor., M, 0+60
south to M, 1+80, east to J+35, 2+00,
east to I+40, 1+90, north to J+15,
0+70 west to M, 0+60.
- #7. Main central group. Several hundred mixed
euca. & acacia. Starting at N.W. Cor.
I+10, 0+65, south to I, 1+80, east to
E+44, 2+03, north to F+10, 0+85
West to I+10, 0+65.

Trees

- #8 Main eastern group of about 600 euca,
Av. 6" dia. Av. height 40'. Starting at
N.W. Cor, E+10, 0+80, south to E+30, 1+10
south to E, 1+95, east to C, 1+90, south
to B+10, 2+45, east to A, 2+50, north to
B.L., 2+05, north to B.L., 0+80, west to
C+08, 0+60, west to E+10, 0+80.

3-15-32

8-17-34

See T. 79 for H.I.
Notes.Drebert
Kanagy &
Beth
KeyserShoemaker 8-17-34
Updegraff
Woods

21

Cross Section of Section "C" (600' to 1200' So. of
0+00 & B.L. to 650' West of Texas St. Base Line).

	+	H.I.	-	
B.M. 1' offset hub on B.L. 5+92	1.81	280.71 → 8-17-34 280.05		278.24 8-17-34
B.L.				
6+25			2.0	278.1
+50			2.7	277.4
+75			2.8	277.3
7+00			2.9	277.2
+25			2.8	277.3
+50		8-17-34	2.7	277.4
+75			3.9 2.8 3.8	277.3 276.8
8+00			2.9	277.2 276.9
+25	8-18-34 5+0	Elev	4.0 3.1	276.7 277.0 276.7
+50	8+36 8+41	276.7 277.7	3.0 3.2	277.7 276.9 277.7
+75	8+54	277.4	4.3 3.2	276.4 276.4
9+00	8+58 8+46-25W	276.2 276.7	4.0 3.2	276.7 276.7
+25	8+41-25W	277.6	4.1 3.3	276.6 276.6
+50	7+75-23W	276.8	3.8 3.3	276.9 276.9
+75	7+75-38W	276.4	4.0 3.3	276.8 276.7
10+00			4.4 3.6	276.5 276.5
+25			4.4 3.7	276.4 276.3
+50			4.9 4.2	275.8 275.8
+75			5.8 4.8	274.9 274.9
11+00			6.6 5.5	274.1 274.1
11+15	B.L. Hub. TP.		5.90	274.15

E.L.

	+	H.I.	-	
		280.71 → 8-17-34 280.05		
11+25			8-17-34 → 7.4	273.7 273.3
+50			6.4 7.0	273.1 273.7
+75			7.0 7.7	272.4 273.7
12+00			6.9 7.8	272.3 273.8
B.L. +25				
12+00			6.7 6.4	273.7 274.0
11+75			6.5 6.0	274.1 274.2
+50			6.2 5.4	274.7 274.5
+25			6.0 4.8	275.3 274.7
11+00			5.3 3.8	276.3 275.4
10+75			4.3 2.8	277.3 276.4
+50			3.6 2.1	278.0 277.1
+25			2.9 1.7	278.4 277.8
10+00			2.5 1.4	278.7 278.2
9+75			2.3 1.3	278.8 278.4
+50			2.8 1.6	278.5 277.9
+25			3.2 1.8	278.3 277.5
9+00			3.2 2.0	278.1 277.5
8+75			3.6 2.5	277.6 277.1
+50			4.0 2.6	277.5 276.7
+25			2.9 2.6	277.5 277.8
8+00			2.9 3.0	277.1 277.8
7+75			2.9 3.2	276.9 277.8

Shoemaker 8-17-34
 Updegraf 8-18-34
 Woods

	+	H.L.	-	
		280.71 → 8-17-34		8-17-34
		280.05		
H.L.+25				
7+50			3.4	276.7
+25			3.6	276.5
+00			3.6	276.5
6+75			3.2	276.9
+50			3.6	276.5
+25			3.3	276.8
A				
6+25			4.3	275.8
+50			4.5	275.6
+75			4.4	275.7
9+00			4.4	275.7
+25			4.2	275.9
+50			3.9	276.2
+75	8-18-34	280 8-17-34 → 4.3 279.35 8-18-34	3.4	276.7 276.4
8+00			2.9	276.8 276.5
+25			2.6	277.1 276.8
+50			2.4	277.5 277.0
+75			2.1	278.1 277.3
9+00			1.6	278.5 277.8
+25			1.6	278.7 277.8
+50			1.7	278.7 277.7
+75			1.7	278.8 277.7
10+00			2.0	278.6 277.4

NOTE CHANGE IN H.L.

	+	H.L.	-	
		279.35 → 8-18-34		8-18-34
		280.05		
A				
10+25	8-18-34		2.3	
+50			1.8	278.3 277.1
+75			2.7	2.2 277.9 276.7
11+00			3.2	2.5 277.6 276.2
+25			3.4	3.3 276.8 276.0
+50			4.2	4.1 276.0 275.2
+75			4.6	4.5 275.6 274.8
12+00			5.2	4.9 275.2 274.2
A+25			5.5	5.4 274.7 273.9
12+00			5.6	5.0 275.1 273.8
11+75			5.2	4.6 275.5 274.2
+50			4.8	4.1 276.0 274.6
+25			4.2	3.6 276.5 275.2
11+00			3.8	3.2 276.9 275.6
10+75			3.8	3.0 277.1 275.6
+50			3.5	3.0 277.1 275.9
+25			3.0	2.9 277.2 276.4
10+00			2.7	2.5 277.6 276.7
9+75			2.6	2.3 277.8 276.8
+50			2.3	2.2 277.8 277.1
+25			2.0	2.0 278.1 277.4
9+00			2.1	2.0 278.1 277.3
8+75			2.6	2.3 277.8 276.8

	+	H.I.	-	8-18-34	8-18-34
		279.35	→ 8-18-34		
		280.05			
A+25					
			8-18-34 →	2.6	
8+50				2.8	277.3
					276.8
+25				3.1	276.8
					276.3
8+00				3.4	276.1
					276.0
7+75				3.7	276.1
					275.7
+50					
				4.4	275.7
+25					
				5.0	275.1
+00					
				5.1	275.0
6+75					
				4.9	275.2
+50					
				4.9	275.2
+25					
				5.2	274.9
B					
6+25					
				5.9	274.2
+50					
				6.4	273.7
+75					
				6.2	273.9
7+00					
				5.7	274.4
+25					
				5.6	274.5
+50					
				5.1	275.0
+75					
			8-18-34 →	4.2	
				4.4	275.7
					275.2
8+00				3.7	276.2
					275.7
+25				3.2	276.7
					276.2
+50				2.9	277.1
					276.5
+75				3.0	277.5
					276.4
9+00				2.9	277.3
					276.5

	+	H.I.	-	8-18-34	8-18-34
		279.35	→ 8-18-34		
		280.05			
H					
			8-18-34	3.0	
9+25				3.1	277.0
					276.4
+50				3.6	276.8
					275.8
+75				3.7	276.3
					275.7
10+00				3.8	276.4
					275.6
+25				4.2	276.1
					275.2
+50				3.9	276.1
					275.5
+75				3.9	276.1
					275.5
11+00				4.0	275.9
					275.4
+25				4.3	275.7
					275.1
+50				4.6	275.5
					274.8
+75				5.1	275.1
					274.3
12+00				5.6	274.2
					273.8
B+25					
				5.8	274.2
					273.6
12+00				5.4	274.7
					274.0
11+75				4.9	275.0
					275.5
+50				4.7	275.1
					275.7
+25				4.6	275.2
					275.8
11+00				4.3	275.6
					275.1
10+75				4.6	275.4
					274.8
+50				4.9	275.2
					274.5
+25				4.7	275.1
					274.7
10+00				4.5	275.4
					274.9
9+75					

Shoemaker
Updegraf
Woods

8-18-34

24

+ H.I.
279.35 → 8-18-34
280.05

8-18-34

+ H.I.
279.35 → 8-18-34
280.05

8-18-34

H+25

C

	8-18-34	4.0		8-18-34
9+50		4.1	276.0	275.4
+25		3.5	276.6	275.9
+00		3.3	276.7	276.1
8+75		3.3	276.9	276.1
+50		3.0	276.7	276.4
+25		3.4	276.6	276.0
8+00		4.1	276.1	275.3
7+75		3.4	275.7	276.0
+50		5.3	274.8	
+25		5.9	274.2	
+00		6.7	273.4	
6+75		6.8	273.3	
+50		7.0	273.1	
+25		7.1	273.0	
C				
6+25		8.2	271.9	
+50		7.4	272.7	
+75		7.7	272.4	
7+00		7.3	272.8	
+25		7.0	273.1	
+50		6.5	273.6	
+75	8-18-34	5.5	274.1	273.9
8+00		4.8	274.8	274.6

	8-18-34	4.4		8-18-34
8+25		4.9	275.2	275.0
+50		4.5	275.5	274.9
+75		4.4	275.4	275.0
9+00		4.6	275.4	274.8
+25		5.0	274.8	274.4
+50		5.0	274.5	274.4
+75		5.4	274.5	274.0
10+00		5.7	274.4	273.7
+25		5.6	273.8	273.8
+50		5.4	274.1	274.0
+75		4.8	274.1	274.6
11+00		5.0	274.4	274.4
+25		5.2	274.6	274.2
+50		5.4	274.7	274.0
+75		5.5	274.4	273.9
12+00		5.9	274.0	273.5
C+25				
12+00		6.1	273.8	273.3
11+75		6.0	274.5	273.4
+50		5.7	274.8	273.7
+25		5.4	274.8	274.0
11+00		5.3	274.3	274.1
10+75		5.4	273.8	274.0

Shoemaker
Updegraff
Woods

8-18-34

25

+ H.I.
279.35 → 8-18-34
280.05

8-18-34

+ H.I.
279.35 → 8-18-34
280.05

8-18-34

C+25

II

	8-18-34	6.0		
10+50		6.7	273.4	273.4
+25		6.4	7.2	272.9
10+00		7.0	7.8	272.3
9+75		7.1	7.9	272.2
+50		6.9	7.9	272.2
+25		6.5	7.4	272.7
9+00		6.0	6.7	273.4
8+75		5.9	6.8	273.3
+50		5.6	6.6	273.5
+25		5.8	6.7	273.4
8+00		6.2	6.9	273.2
7+75		6.8	7.4	272.7
+50			7.8	272.3
+25			8.0	272.1
+00			8.3	271.8
6+75			8.7	271.4
+50			8.9	271.2
+25			8.5	271.6
II				
6+25		10.2	269.9	
+50		10.0	270.1	
+75		9.6	270.5	
7+00		9.8	270.3	

	8-18-34	7.9		
7+25		9.3	270.8	
+50		8.8	271.3	
+25		8.8	271.3	271.5
8+00		8.0	8.6	271.5
+25		7.8	8.4	271.7
+50		7.8	8.4	271.7
+75		8.0	8.6	271.5
9+00		8.7	9.4	270.7
+25		8.9	9.5	270.6
+50		8.9	9.6	270.5
+75		8.7	9.4	270.7
10+00		7.8	8.6	271.5
+25		7.0	7.7	272.4
+50		6.2	7.1	273.0
+75		5.6	6.4	273.7
11+00		5.6	6.0	274.1
+25		5.9	5.8	274.3
+50		6.0	5.7	274.4
+75		6.1	5.8	274.3
12+00		6.4	6.5	273.6
II+25				
12+00		6.6	7.2	272.9
11+75		6.4	6.4	273.7

Shoemaker
Updegraf
Woods

8-18-34

26

+ H.I.
279.35 → 8-18-34
280.05

8-18-34

+ H.I.
279.35 → 8-18-34
280.05

8-18-34

II+25

E

11+50	8-18-34	6.4	273.7	273.0
+25		6.2	274.0	273.2
+00		5.8	273.8	273.6
10+75		6.0	273.6	273.4
+50		6.4	273.0	273.0
+25		6.9	272.4	272.5
10+00		7.8	271.6	271.6
9+75		9.5	270.0	269.9
+50		10.1	269.4	269.3
+25		10.6	268.8	268.8
+00		10.4	268.6	269.0
8+75		9.6	268.8	269.8
+50		10.1	269.4	269.3
+25		10.5	269.9	268.9
8+00		10.7	269.9	268.2
7+75		10.3	269.8	
+50		10.8	269.3	
+25		10.8	269.3	
+00		10.6	269.5	
6+75		10.6	269.5	
+50		10.3	269.8	
+25		10.7	269.4	

6+25		11.4	268.7	
+50		11.9	268.2	
+75		11.7	268.4	
9+00		11.9	268.2	
+25		12.1	268.0	
+50		12.3	267.8	
+75		12.4	267.7	
8+00		12.6	267.5	
+25		12.6	267.5	
+50	11.3	13.0	267.1	268.1
+75	10.8	13.4	266.7	268.6
9+00	11.0	13.1	267.0	268.4
+25	11.5	12.7	267.4	267.9
+50	11.4	12.0	268.1	268.0
+75	10.2	11.0	269.1	269.2
10+00	7.8	9.5	270.6	271.6
+25	7.3	8.1	272.0	272.1
+50	6.5	7.3	272.8	272.9
+75	6.5	7.1	273.0	272.9
11+00	6.3	7.1	273.0	273.1
+25		7.1	273.0	
+50	6.8	7.1	273.0	272.6
+75		7.4	272.7	
12+00	7.1	7.6	272.5	272.8

Shoemaker
Updegraf
Woods

8-18-34

27

	+	H.I.	-		
		279.35 → 8-18-34		8-18-34	
		280.05			
E+25		8-18-34 → 7.3			
12+00		7.7	272.4	272.1	
11+75		7.7	272.4		
+50		7.0	272.4	272.4	
+25	8-18-34	7.9	272.2		
11+00	Sta. 10+85 - Elev. 272.8	6.6	8.3	271.8	272.8
10+75	10+80 - 271.8	7.6	8.3	271.8	271.8
+50		7.7	8.3	271.8	271.7
+25		8.1	8.9	271.2	271.3
10+00		9.6	10.2	269.9	269.8
9+75		11.1	11.8	268.3	268.3
+50		12.3	13.0	267.1	267.1
+25		13.1	13.8	266.3	266.3
+00		13.1	14.0	266.1	266.3
8+75			14.7	265.4	
+50			14.5	265.6	
+25			14.3	265.8	
+00			14.3	265.8	
7+75			14.2	265.9	
+50			13.9	266.2	
+25			13.4	266.7	
+00			12.8	267.3	
6+75			12.9	267.2	
+50			13.1	267.0	
+25			12.5	267.6	

	+	H.I.	-			
		280.05		8-18-34		
E+39,6+25	Edge of Canyon		13.2	276.9		
R.E,6+50			11.41	268.64		
R.D+35,9+50	4.58	279.35 → 8-18-34	273.22	11.41	268.64	
F						
6+25			11.3	261.9		
+50			10.3	262.9		
+75			8.9	264.3		
7+00			8.2	265.0		
+25			8.6	264.6		
+50			8.9	264.3		
+75			9.0	264.2		
8+00			9.2	264.0		
+25			9.2	264.0		
+50			9.5	263.7		
+75			9.6	263.6		
9+00			9.0	264.2		
+25			14.6	8.6	264.6	264.8
+50			13.6	7.3	265.9	265.8
+75			12.3	6.2	267.0	267.1
10+00			11.1	4.9	268.3	268.3
+25			10.5	3.8	269.4	268.9
+50	8-18-34		9.5	3.4	269.8	269.9
+75	Sta. 10+82 - Elev. 270.8		8.8	2.6	270.6	270.6
11+00	10+87 - 272.3		6.9	2.4	270.8	272.5

Shoemaker 8-18-34
Updegraf
Woods

28

		+ H.I. -		8-18-34				+ H.I. -		8-18-34	
		279.35	→	8-18-34	8-18-34			275.93	→	8-18-34	8-18-34
		273.22						273.22			
F						G	8+50	19.6	253.6		
							+75	21.4	251.8		
							+85	20.8	252.4		
	11+25		1.8	271.4			9+00	16.8	256.4		
	+50		1.3	271.9			+25	11.6	261.6		
	+75		1.2	272.0			+50	10.5	262.7		
	12+00		7.5 1.0	272.2	271.9		+75	9.1	264.1		
F+25							10+00	8.1	265.1		
	12+00	8-18-34	7.6	271.8	271.8		+25	7.1	266.1		
	11+75		1.4	271.8			+50	6.1	267.1		
	+50		7.7 1.6	271.6	271.7		+75	4.5	268.7		
	+25	8-18-34	2.1	271.1			11+00	3.4	269.8		
	11+00	Sta. 10+89 -	7.0 2.8	270.4	272.4		+25	2.5	270.7		
	10+75	Elev 10+84 -	10.0 3.9	269.3	269.4		+50	2.0	271.2		
	+50		11.2 4.9	268.3	268.2		+75	1.9	271.3		
	+25		11.8 5.7	267.5	267.6		12+00	4.6 1.9	271.3	271.3	
	10+00		12.5 6.3	266.9	266.9	G+25					
	9+75		13.4 7.0	266.2	266.0	12+00	4.7	2.8	270.4	271.2	
	+50		15.0 8.7	264.5	264.4	11+75	4.6	2.8	270.4	271.3	
	+25		9.0	264.2		+50	4.8	3.0	270.2	271.1	
	+00		10.5	262.7		+25	5.4	3.3	269.9	270.5	
	8+75		11.2	262.0		11+00	6.2	4.0	269.2	269.7	
	+50		11.5	261.7		10+75	7.6	5.4	267.8	268.3	
	+25		11.8	261.3		+50	8.9	7.0	266.2	267.0	
	+00		11.5	261.7		+25	9.9	8.4	264.8	266.0	
						10+00	11.1	9.3	263.9	264.8	

Shoemaker 8-18-34
Updegraff
Woods.

29

	+	H.I.	-	
		275.93	8-18-34	8-18-34
		273.23		
G+25				
8+90	✓	24.5	248.7	
9+75		8-18-34 → 11.9	262.8	264.0
+50		12.6	260.6	
+25		14.3	258.9	
+10	✓	16.3	256.9	
H, 9+20	✓	27.8	245.4	
+20	✓	19.5	253.7	
9+50	✓	15.3	257.9	
+75		13.0	260.2	
10+00		8-18-34 → 12.3	11.1	262.1 263.6
+25		11.5	9.5	263.7 264.4
+50		9.7	8.5	264.7 266.2
+75		8.4	7.0	266.2 267.5
11+00		6.9	5.5	267.7 269.0
+25		6.0	4.6	268.6 269.9
+50		5.6	4.2	269.0 270.3
+75		5.5	4.3	268.9 270.4
12+00		5.4	4.0	269.2 270.5
H+25				
12+00		6.6	5.3	267.9 269.3
11+75		7.0	5.3	267.9 268.9
+50		6.8	5.8	267.4 269.1
+25		7.4	6.1	267.1 268.5
+00		8.2	7.0	266.2 267.7
10+75		9.6	8.7	264.5 266.3
+50		11.3	9.6	263.6 264.6

	+	H.I.	-	
		275.93	8-18-34	8-18-34
		273.22		
H+25				
10+25		8-18-34	12.8	10.8 262.4 263.1
+00			12.9	260.3
9+75			15.1	258.1
+50	✓		21.4	251.8
I 9+75	✓		24.6	248.6
10+00	Brk		15.9	257.3
+25			12.7	260.5
+50			11.7	261.5
+75			11.8	10.7 262.5 264.1
11+00			9.9	9.4 263.8 266.0
+25			9.1	8.5 264.7 266.8
+50			8.4	7.7 265.5 267.5
+75			8.3	7.0 266.2 267.6
12+00			8.1	6.7 266.5 266.8
I+25				
12+00			9.5	8.4 264.8 266.4
11+75			9.4	8.8 264.4 266.5
+50			10.3	9.4 263.8 265.6
+25			11.1	9.7 263.5 264.8
11+00			12.1	11.1 262.1 263.8
10+75			12.5	260.7
+50			14.0	259.2
+25			15.2	258.0
+13	✓		17.5	255.7
9+95	✓		25.7	247.5

8-18-34 Line I + 12 W = 1/2 Ditch 3.0' 3' side.
 Surface Elev. = 267.2
 Bottom of Ditch = 263.8

Shoemaker 8-18-34
Updegraff
Woods

30

	+	H.I.	-	
		275.93	8-18-34	8-18-34
		273.22		
J	10+10		28.9	244.3
	10+50	Br.K.	18.4	254.8
	10+50		15.4	257.8
	+75		14.5	258.7
	11+00		12.9	260.3
	+25	12.6	11.9	261.3
	+50	12.1	11.3	261.9
	+75	11.6	10.7	262.5
	12+00	11.1	10.4	262.8
J+25	10+35		24.6	248.6
	12+00		12.2	261.0
	11+75		12.7	260.5
	+50		13.3	259.9
	+25		14.0	259.2
	+00		14.8	258.4
	10+75		16.0	257.2
	+50		18.1	255.1
K	10+32		30.3	242.7
	10+50	Br.K.	21.7	251.5
	10+75		18.8	254.4
	11+00		17.0	256.2
	+25		15.9	257.3
	+50		15.2	258.0
	+75		14.8	258.4
	12+00		14.4	258.8
K+25	12+00		16.3	256.9

	+	H.I.	-	
		273.22		
K+25	11+75		16.8	256.4
	+50		17.3	255.9
	+25		17.8	255.4
	+00		18.3	254.9
L	11+25		19.5	253.7
	+50		18.7	254.5
	+75		17.8	255.4
	12+00		16.5	256.7
L+25	12+00		19.2	254.0
	11+75		19.8	253.4
	+50		20.3	252.9
M	11+50		22.0	251.2
	+75		21.7	251.5
	12+00		20.0	253.2

	+	H.I.	-	
P.E, 650	2.47	271.11		268.64
F+25				
6+07			6.5	264.6
+25			12.5	258.6
G				
6+15			6.9	264.2
+25			11.7	259.4
G+25				
6+25			5.2	265.9
+50			7.3	263.8
H				
6+25			4.8	266.3
+50			5.5	265.6
+75			7.6	263.5
7+00			10.2	260.9
H+25				
7+00			9.9	261.2
6+75			8.1	263.0
+50			6.9	264.2
+25			5.7	265.4
I				
6+25			5.0	266.1
+50			6.1	265.0
+75			7.2	263.9

	+	H.I.	-	
		271.11		
I				
7+00			8.1	263.0
+25			9.6	261.5
+50			11.7	259.4
I+25				
8+25			12.6	258.5
+00			10.2	260.9
7+75			8.9	262.2
+50			7.8	263.3
+25			6.6	264.5
+00			5.4	265.7
6+75			4.4	266.7
+50			3.3	267.8
+25			2.2	268.9
J				
6+25			1.8	269.3
+50			3.0	268.1
+75			3.9	267.2
7+00			5.0	266.1
+25			6.4	264.7
+50			7.7	263.4
+75			9.3	261.8
8+00			10.3	260.8
+25			11.6	259.5

	+	H.L.	-	
		271.11		
J				
8+50			14.0	257.1
+55			14.4	256.7
Pr. J+06, 8+37	Rock		12.30	258.81 ✓
J+25				
8+67			15.5	255.6
+50			13.3	257.8
+25			11.5	259.6
+00			10.4	260.7
7+75			8.9	262.2
+50			7.7	263.4
+25			6.2	264.9
+00			5.0	266.1
6+75			3.8	267.3
+50			2.5	268.6
+25			1.6	269.5
K				
6+25			2.1	269.0
+50			2.9	268.2
+75			4.0	267.1
7+00			5.2	265.9
+25			6.4	264.7
+50			7.7	263.4
+75			9.3	261.8

	+	H.L.	-	
		271.11		
K				
8+00			10.2	260.9
+25			11.7	259.4
+50			13.0	258.1
+75			15.0	256.1
9+00			18.5	252.6
K+25				
9+00			17.8	253.3
8+75			14.8	256.3
+50			12.6	258.5
+25			11.9	259.2
+00			10.5	260.6
7+75			9.5	261.6
+50			8.2	262.9
+25			7.0	264.1
+00			5.3	265.8
6+75			3.9	267.2
+50			2.8	268.3
+25			1.9	269.2
L				
6+25			3.0	268.1
+50			3.8	267.3
+75			4.7	266.4
7+00			5.5	265.6

	+	H.L.	-	
		271.11		
L				
7+25			6.8	264.3
+50			7.8	263.3
+75			9.2	261.9
8+00			10.6	260.5
+25			11.9	259.2
+50			12.8	258.3
+75			14.2	256.9
9+00			16.0	255.1
+25			19.8	251.3
L+25				
9+25			19.1	252.0
+00			16.5	254.6
8+75			14.7	256.4
+50			13.3	257.8
+25			12.4	258.7
+00			11.0	260.1
7+75			9.6	261.5
+50			8.4	262.7
+25			7.0	264.1
+00			6.1	265.0
6+75			5.4	265.7
+50			4.4	266.7
+25			3.2	267.9

	+	H.L.	-	
		271.11		
M				
6+25			4.7	266.4
+50			6.4	264.7
+75			6.7	264.4
7+00			7.6	263.5
+25			8.4	262.7
+50			9.5	261.6
+75			10.8	260.3
8+00			12.1	259.0
+25			13.3	257.8
+50			14.4	256.7
+75			15.6	255.5
9+00			16.8	254.3
+25			19.1	252.0
+50			24.5	246.6

Shoemaker 8-20-34
 Updegraf
 Woods

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	+	H.L.	-	
		275.38 → 8-20-34		8-20-34
		276.14		
B.L. +25				
13+50		3.6	3.8	272.3 271.8
+25			3.3	272.8
+00		3.0	3.1	273.0 272.4
12+75			2.8	273.3
+50		2.0	2.5	273.6 273.4
+25			2.4	273.7
A				
12+25			2.0	274.1
+50		2.2	2.0	274.1 273.2
+75			2.9	273.2
13+00		3.0	3.4	272.7 272.4
+25			3.8	272.3
+50		3.6	4.2	271.9 271.8
+75			4.7	271.4
14+00		4.6	4.5	271.6 270.8
+25			5.4	270.7
+50		5.0	5.7	270.4 270.4
+75			6.0	270.1
15+00		5.8	6.5	269.6 269.6
+25			6.8	269.3
+50		6.3	7.0	269.1 269.1
+75			7.1	269.0
16+00			7.1	269.0

	+	H.L.	-	
		276.14		
A				
16+25			7.0	269.1
+50			6.2	269.9
+75			6.4	269.7
17+00			6.8	269.3
+25			7.5	268.6
+50			8.7	267.4
+75			9.2	266.9
18+00			9.0	267.1
A+25				
18+00			10.4	265.7
17+75			9.7	266.4
+50			8.6	267.5
+25			7.9	268.4
+00			7.1	269.0
16+75			7.0	269.1
+50			7.4	268.7
+25			7.5	268.6
+00			7.8	268.3
15+75			7.7	268.4
+50			7.8	268.3
+25			7.2	268.9
+00			6.6	269.5
14+75			6.4	269.7

Shoemaker, 8-20-34
Updegraf
Woods.

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see P. 79 for H.I. of 8-20-34

	+	H.I.	-	
		275.38 →	8-20-34	8-20-34
		276.14		
A+25				
14+50		6.0	270.1	
+25		5.6	270.5	
+00		5.2	270.9	
13+75		4.8	271.3	
+50		4.5	271.6	
+25		4.0	272.1	
+00		3.7	272.4	
12+75		2.8	273.3	
+50		2.5	273.6	
+25		2.0	274.1	
B				
12+25		2.5	273.6	
+50	2.5	3.0	273.1	272.9
+75		3.5	272.6	
13+00	3.3	4.1	272.0	272.1
+25		4.4	271.7	
+50	4.4	4.7	271.4	271.0
+75		5.2	270.9	
14+00	5.1	5.4	270.7	270.3
+25		5.6	270.5	
+50	5.8	6.0	270.1	269.6
+75		6.3	269.8	
15+00	6.9	6.5	269.6	268.5

	+	H.I.	-	
		275.38 →	8-20-34	8-20-34
		276.14		
B				
15+25		7.3	268.8	
+50	7.1	7.8	268.3	268.3
+75		8.6	267.5	
16+00	8.3	8.9	267.2	267.1
+25		8.8	267.3	
+50		8.6	267.5	
+75		8.1	268.0	
17+00		8.1	268.0	
+25		8.0	268.1	
+50		8.4	267.7	
+75		9.2	266.9	
18+00		10.7	265.4	
B+25				
18+00		12.3	263.8	
17+75		10.7	265.4	
+50		10.4	265.7	
+25		10.3	265.8	
+00		10.1	266.0	
16+75		10.1	266.0	
+50		10.0	266.1	
+25		10.3	265.8	
+00		9.5	266.6	
15+75		8.5	267.6	

Shoemaker 8-20-34
updegraf
woods

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P.79 for H.I.

+

H.I.
275.38 → 8-20-34
276.14

8-20-34

B+25

15+50	7.9	268.2
+25	7.5	268.6
+00	7.0	269.1
14+75	6.7	269.4
+50	6.4	269.7
+25	6.1	270.0
+00	5.8	270.3
13+75	5.3	270.8
+50	5.2	270.9
+25	4.6	271.5
+00	4.0	272.1
12+75	3.8	272.3
+50	3.5	272.6
+25	2.8	273.3

C

12+25	3.0	273.1	
+50	^{2.8} 3.5	272.6	272.6
+75	4.2	271.9	
13+00	^{3.5} 4.6	271.5	271.9
+25	4.9	271.2	
+50	^{4.4} 5.4	270.7	271.0
+75	5.2	270.9	
14+00	^{6.0} 5.7	270.4	269.4

+

H.I.
275.38 → 8-20-34
276.14

8-20-34

C

14+25	6.4	269.7	
+50	^{6.3} 6.6	269.5	269.1
+75	7.1	269.0	
15+00	^{7.6} 7.5	268.6	267.8
+25	7.9	268.2	
+50	^{8.3} 8.3	267.8	267.1
+75	9.1	267.0	
16+00	^{9.4} 10.3	265.8	266.0
+25	^{13.0} 12.2	263.9	262.4
+50	12.6	263.5	
+75	12.0	264.1	
17+00	12.4	263.7	
+25	12.5	263.6	
+50	12.4	263.7	
+75	12.6	263.5	
18+00	14.3	261.8	
C+25			
18+00	17.5	258.6	
17+75	15.0	261.1	
+50	15.1	261.0	
+25	15.2	260.9	
+00	14.9	261.2	
16+75	14.9	261.2	

Shoemaker 8-20-34
Updegraf
Woods

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+ H.I. 275.38 → 8-20-34
276.14

8-20-34

C+25

16+50	15.4	260.7
+25	13.1	263.0
+00	11.3	264.8
15+75	9.5	266.6
+50	8.8	267.3
+25	8.1	268.0
+00	7.9	268.2
14+75	7.5	268.6
+50	7.0	269.1
+25	6.7	269.4
+00	6.3	269.8
13+75	6.2	269.9
+50	6.0	270.1
+25	5.1	271.0
+00	4.8	271.3
12+75	4.4	271.7
+50	3.7	272.4
+25	3.0	273.1

II

12+25	3.3	272.8
+50	^{2.9} 4.2	271.9
+75	5.0	271.1
13+00	^{3.6} 5.2	270.9

II

+ H.I. 275.38 → 8-20-34
276.14

8-20-34

13+25	5.8	270.3
+50	^{4.3} 6.0	270.1
+75	6.7	269.4
14+00	^{5.8} 7.0	269.1
+25	7.2	268.9
+50	^{7.7} 8.2	267.9
+75	8.0	268.1
15+00	^{9.0} 8.5	267.6
+25	9.4	266.7
+50	^{10.9} 9.8	266.3
+75	11.5	264.6
16+00	^{13.6} 13.3	262.8
+25	14.7	261.4
+50	^{15.7} 16.7	259.4
+75	18.5	257.6
17+00	20.0	256.1
+25	20.0	256.1
+50	18.6	257.5
+75	19.4	256.7
+90	21.6	254.5
18+00	20.8	255.3

Shoemaker 8-20-34
Updegraf
Woods

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P. 79 for H. 1.

H. 1.
275.38 → 8-20-34
276.14

8-20-34

	+	H. 1.	-	
		276.14		
II+25				
18+00			22.0	254.1
17+75			26.8	249.3
+65			26.1	250.0
II+35, 17+65			30.0	246.1
II+25				
17+50			27.5	248.6
+25			23.3	252.8
+00			18.5	257.6
16+75			15.8	260.3
+50			15.2	260.9
+25			14.2	261.9
+00			13.2	262.9
15+75			12.1	264.0
+50			10.5	265.6
+25			9.7	266.4
+00			8.7	267.4
14+75			8.2	267.9
+50			7.2	268.9
+25			6.9	269.2
+00			6.8	269.3
13+75			6.4	269.7
+50			6.0	270.1
+25			5.7	270.4

II+25

E

	+	H. 1.	-	
		276.14		
II+25				
13+00			5.4	270.7
12+75			5.0	271.1
+50			4.5	271.6
+25			4.0	272.1
E				
12+25			3.9	272.2
+50			^{3.4} 4.4	271.7
+75			4.8	271.3
13+00			^{3.7} 5.2	270.9
+25			5.6	270.5
+50			^{4.4} 5.7	270.4
+75			6.0	270.1
14+00			^{5.5} 6.1	270.0
+25			6.3	269.8
+50			^{6.3} 6.8	269.3
+75			7.4	268.7
15+00			^{7.0} 7.8	268.3
+25			8.3	267.8
+50			^{7.9} 8.6	267.5
+75			9.0	267.1
16+00			^{8.8} 9.4	266.7
+25			9.9	266.2
+50			10.0	266.1

Shoemaker 8-20-34
 Updegraf
 Woods

P. 79 for H.I.

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+ H.I.
 276.14

+ H.I.
~~275.38~~ → 8-20-34
 276.14

8-20-34

E

E+25

16+75	10.6	265.5
17+00	12.7	263.4
+25	16.8	259.3
+50	23.0	253.1
+70	33.0	243.1
+75	31.0	245.1
18+00	24.0	252.1
E+25		
18+00	29.0	247.1
17+85	35.5	240.6
+75	33.5	242.6
+50	20.4	255.7
+25	12.7	263.4
+00	10.5	265.6
16+75	9.7	266.4
+50	9.3	266.8
+25	9.0	267.1
+00	8.8	267.3
15+75	8.5	267.6
+50	8.3	267.8
+25	8.2	267.9
+00	8.1	268.0
14+75	7.4	268.7

14+50	7.0	269.1	
+25	6.2	269.9	
+00	5.8	270.3	
13+75	5.5	270.6	
+50	5.3	270.8	
+25	5.2	270.9	
+00	5.1	271.0	
12+75	4.7	271.4	
+50	4.3	271.8	
+25	4.0	272.1	
F			
12+25	4.1	272.0	
+50	4.0	271.7	271.4
+75	4.5	271.6	
13+00	4.2	271.3	271.2
+25	4.9	271.2	
+50	4.5	271.0	270.9
+75	5.4	270.7	
14+00	5.6	270.1	269.8
+25	6.6	269.5	
+50	6.7	268.6	268.7
+75	8.1	268.0	
15+00	7.9	267.4	267.5

Shoemaker
Uptograf
Wood 9.

8-20-34

	+	H.I.	-			+	H.I.	-	
		275.38 → 8-20-34		8-20-34			276.14		
F					F+25				
15+25		8.6	267.5		15+50		9.8	266.3	
+50		^{8.1} 8.8	267.3	267.3	+25		9.5	266.6	
+75		9.2	266.9		+00		9.2	266.9	
16+00		^{10.2} 9.3	266.8	265.2	14+75		8.9	267.4	
+25		^{10.1} 9.5	266.6	265.3	+50		8.0	268.1	
+50		9.7	266.4		+25		6.9	269.2	
+75		10.7	265.4		+00		6.4	269.7	
17+00		11.6	264.5		13+75		5.7	270.4	
+25		13.1	263.0		+50		5.4	270.7	
+50		18.7	257.4		+25		5.1	271.0	
+75		28.5	247.6		+00		4.8	271.3	
+95		36.2	239.9		12+75		4.6	271.5	
18+00		39.0	239.1		+50		4.4	271.7	
F+25					+25		4.3	271.8	
17+75		22.3	253.8		TR ROCK F+40, 14+75		9.46	266.68 ✓	
+50		17.9	258.2		B.L. Hub 17+82		6.69	269.45 ✓	
+25		13.7	262.4						
+00		13.2	262.9		TR. Rock F+40, 14+75	5.42	272.10 ✓	266.68	
16+75		12.0	264.1		G 12+0				3-22-32 Drebert Bell, R Kanagy, Rod. Keyser, Ch. 271.3 8-20-34
+50		11.4	264.7				4.1		
+25		10.7	265.4		12+25		0.6	271.5	
+00		10.5	265.6		+50		^{4.3} 0.6	271.5	271.1
15+75		10.2	265.9		+75		1.2	270.9	
					13+00		^{4.7} 1.4	270.7	270.7

Shoemaker 8-20-34
 Updegraf
 Woods.

+ H.L. -
 275.38 → 8-20-34
 272.10

8-20-34

+ H.L. -
 272.10

G+25

G					17+25	14.1	258.0
13+25		1.7	270.4		+00	13.7	258.4
+50		^{5.4} 2.0	270.1	270.0	16+75	13.2	258.9
+75		2.6	269.5		+50	12.3	259.8
14+00		^{6.1} 3.1	269.0	269.3	+25	11.7	260.4
+25		4.1	268.0		+00	10.7	261.4
+50		^{8.3} 5.1	267.0	267.1	15+75	10.0	262.1
+75		5.9	266.2		+50	9.3	262.8
15+00		^{9.8} 6.5	265.6	265.6	+25	8.4	263.7
+25		7.1	265.0		+00	7.5	264.6
+50		^{10.9} 7.3	264.8	264.5	14+75	6.5	265.6
+75		7.8	264.3		+50	6.2	265.9
16+00		^{13.0} 8.4	263.7	262.4	+25	4.9	267.2
+25		^{13.4} 8.5	263.6	262.0	+00	4.0	268.1
+50		9.2	262.9		13+75	3.2	268.9
+75		10.3	261.8		+50	2.6	269.5
17+00		11.2	260.7		+25	2.5	269.6
+25		12.1	260.0		+00	2.3	269.8
+50		15.0	257.1		12+75	1.9	270.2
+75		18.6	253.5		+50	1.8	270.3
G+25					+25	1.7	270.4
17+75		18.9	253.2				
+50		16.5	255.6				

	+	H.I.	-	
		272.10		
H				
12+25			2.7	269.4
+50			2.9	269.2
+75			3.2	268.9
13+00			3.3	268.8
+25			3.6	268.5
+50			3.8	268.3
+75			4.3	267.8
14+00			4.8	267.3
+25			6.1	266.0
+50			6.7	265.4
+75			7.7	264.4
15+00			8.1	264.0
+25			9.2	262.9
+50			10.1	262.0
+75			11.4	260.7
16+00			12.6	259.5
+25			14.2	257.9
+50			14.9	257.2
+75			16.2	255.9
17+00			16.5	255.6
+25			16.7	255.4
+50			17.6	254.5
+75			20.7	251.4

	+	H.I.	-	
		272.10		
H+25				
17+50			20.5	251.6
+25			18.6	253.5
+00			19.0	253.1
16+75			18.2	253.9
+50			17.0	255.1
+25			15.8	256.3
+00			13.9	258.2
15+75			12.1	260.0
+50			10.8	261.3
+25			10.1	262.0
+00			9.1	263.0
14+75			7.9	264.2
+50			7.1	265.0
+25			6.6	265.5
+00			5.6	266.5
13+75			5.1	267.0
+50			5.0	267.1
+25			4.5	267.6
+00			4.6	267.5
12+75			4.4	267.7
+50			4.2	267.9
+25			4.2	267.9

	+	H.L.	-
		272.10	
I			
12+25			5.5 266.6
+50			5.7 266.4
+75			5.9 266.2
13+00			6.0 266.1
+25			6.2 265.9
+50			6.1 266.0
+75			6.0 266.1
14+00			6.4 265.7
+25			6.8 265.3
+50			8.1 264.0
+75			8.7 263.4
15+00			9.5 262.6
+25			10.8 261.3
+50			11.7 260.4
+75			12.9 259.2
16+00			14.8 257.3
+25			16.2 255.9
+50			18.8 253.3
+75			20.6 251.5
17+00			24.0 248.1
H+43, 17+00			20.9 251.2
I+08, 17+00			28.3 243.8
I, 17+25			24.4 247.7

	+	H.L.	-
		272.10	
I+25			
17+25			32.9 239.2
17+00			25.0 247.1
16+95			21.5 250.6
+75			20.2 251.9
I+15, 16+75			21.6 250.5
I+10, 16+75			24.0 248.1
I+25, 16+50			18.1 254.0
16+25			16.7 255.4
+00			15.3 256.8
15+75			13.8 258.3
+50			11.6 260.5
+25			10.5 261.6
+00			9.5 262.6
14+75			8.9 263.2
+50			8.6 263.5
+25			7.8 264.3
+00			6.9 265.2
13+75			7.2 264.9
+50			7.0 265.1
+25			7.6 264.5
+00			7.5 264.6
12+75			7.3 264.8
+50			7.2 264.9
+25			7.0 265.1

	+	H.I.	-	
		272.10		
J				
12+25			9.2	262.9
+50			9.5	262.6
+75			9.7	262.4
13+00			10.0	262.1
+25			9.4	262.7
+50			8.9	263.2
+75			8.0	264.1
14+00			7.4	264.7
+25			7.6	264.5
+50			8.6	263.5
+75			9.4	262.7
15+00			9.9	262.2
+25			10.5	261.6
+50			12.0	260.1
+75			12.9	259.2
16+00			13.5	258.6
+25			14.7	257.4
+50			15.7	256.4
+75			17.0	255.1
17+00			19.1	253.0
+25			22.1	250.0

	+	H.I.	-	
		272.10		
J+25				
17+50			23.5	248.6
+25			19.0	253.1
+00			17.0	255.1
16+75			14.6	257.5
+50			13.3	258.8
+25			12.5	259.6
+00			11.6	260.5
15+75			11.2	260.9
+50			10.9	261.2
+25			10.7	261.4
+00			10.2	261.9
14+75			9.6	262.5
+50			8.9	263.2
+25			7.6	264.5
+00			7.8	264.3
13+75			8.7	263.4
+50			9.6	262.5
+25			10.4	261.7
+00			10.8	261.3
12+75			10.8	261.3
+50			11.2	260.9
+25			11.2	260.9

	+	H.I.	-
		272.10	
K			
12+25			13.0 259.1
+50			12.5 259.6
+75			11.4 260.7
13+00			11.9 260.2
+25			10.9 261.2
+50			10.0 262.1
+75			8.7 263.4
14+00			8.3 263.8
+25			8.2 263.9
+50			8.8 263.3
+75			9.1 263.0
15+00			9.6 262.5
+25			9.4 262.7
+50			9.5 262.6
+75			9.8 262.3
16+00			10.0 262.1
+25			10.4 261.7
+50			11.4 260.7
+75			12.7 259.4
17+00			14.7 257.4
+25			17.4 254.7
+50			26.0 246.1

	+	H.I.	-
		272.10	
K+25			
17+50			21.7 250.4
+25			16.9 255.2
+00			13.2 258.9
16+75			11.6 260.5
+50			10.6 261.5
+25			10.1 262.0
+00			9.7 262.4
15+75			9.4 262.7
+50			9.2 262.9
+25			9.1 263.0
+00			9.2 262.9
14+75			8.8 263.3
+50			8.6 263.5
+25			8.7 263.4
+00			8.8 263.3
13+75			9.0 263.1
+50			9.6 262.5
+25			11.2 260.9
+00			12.3 259.8
12+75			13.4 258.7
+50			14.0 258.1
+25			14.2 257.9

	+	H.L.	-	
		272.10		
L				
12+25			16.0	256.1
+50			15.0	257.1
+75			13.6	258.5
13+00			12.4	259.7
+25			11.4	260.7
+50			10.2	261.9
+75			9.6	262.5
14+00			9.3	262.8
+25			9.1	263.0
+50			9.3	262.8
+75			9.3	262.8
15+00			9.5	262.6
+25			9.4	262.7
+50			9.8	262.3
+75			10.1	262.0
16+00			10.4	261.7
+25			10.7	261.4
+50			10.9	261.2
+75			11.5	260.6
17+00			12.9	259.2
+25			16.5	255.6
+47			22.2	249.9
FP. Rock K+46, 14+55	0.17	263.06	9.21	262.89 ✓

	+	H.L.	-	
		263.06		
L+25				
17+50			12.2	250.9
+25			5.8	257.3
+00			3.9	259.2
16+75			3.1	260.0
+50			2.2	260.9
+25			2.1	261.0
+00			1.6	261.5
15+75			1.8	261.3
+50			1.7	261.4
+25			1.6	261.5
+00			1.4	261.7
14+75			1.2	261.9
+50			1.0	262.1
+25			0.9	262.2
+00			0.8	262.3
13+75			1.2	261.9
+50			1.7	261.4
+25			2.7	260.4
+00			3.4	259.7
12+75			4.4	258.7
+50			6.2	256.9
+25			7.5	255.6

	+	H.I.	-	
		263.06		
M				
12+25			7.6	255.5
+50			6.3	256.8
+75			4.9	258.2
13+00			4.1	259.0
+25			3.4	259.7
+50			2.6	260.5
+75			2.5	260.6
14+00			2.4	260.7
+25			2.3	260.8
+50			2.0	261.1
+75			2.8	260.3
15+00			2.6	260.5
+25			2.7	260.4
+50			2.3	260.8
+75			2.7	260.4
16+00			3.3	259.8
+25			3.6	259.5
+50			3.9	259.2
+75			4.3	258.8
17+00			5.2	257.9
+25			7.1	256.0

	+	H.I.	-	
		263.06		
M+25				
17+00			6.5	256.6
16+75			5.6	257.5
+50			5.3	257.8
+25			3.9	259.2
+00			4.4	258.7
15+75			4.3	258.8
+50			3.9	259.2
+25			4.0	259.1
+00			3.1	260.0
14+75			3.7	259.4
+50			3.7	259.4
+25			3.7	259.4
+00			3.7	259.4
13+75			3.9	259.2
+50			3.5	259.6
+25			4.5	258.6
+00			5.6	257.5
12+75			6.1	257.0
+50			7.4	255.7
+25			8.8	254.3
N				
12+25			10.4	252.7
+50			8.7	254.4

	+	H.L.	-
		263.06	
N			
12+75			7.0 256.1
13+00			6.7 256.4
+25			5.7 257.4
+50			5.1 258.0
+75			5.2 257.9
14+00			5.2 257.9
+25			5.1 258.0
+50			5.1 258.0
+75			5.3 257.8
15+00			5.8 257.3
+25			5.8 257.3
+50			5.6 257.5
+75			5.8 257.3
16+00			5.8 257.3
+25			6.1 257.0
+50			6.3 256.8
+75			7.0 256.1
17+00			8.0 255.1
+25			9.9 253.2
N+25			
17+00			10.3 252.8
16+75			9.4 253.7
+50			8.1 255.0

	+	H.L.	-
		263.06	
N+25			
16+25			7.6 255.5
+00			7.6 255.5
15+75			7.5 255.6
+50			7.1 256.0
+25			7.3 255.8
+00			7.0 256.1
14+75			7.0 256.1
+50			7.2 255.9
+25			7.0 256.1
+00			7.2 255.9
13+75			7.2 255.9
+50			6.9 256.2
+25			7.5 255.6
+00			8.2 254.9
12+75			9.3 253.8
+50			10.7 252.4
+25			12.2 250.9
0			
12+75			11.3 251.8
13+00			10.4 252.7
+25			10.1 253.0
13+50			9.5 253.6
+75			9.5 253.6

	+	H.I.	-	
		263.06		
0				
14+00			9.7	253.4
+25			9.8	253.3
+50			9.1	254.0
+75			9.1	254.0
15+00			9.5	253.6
+25			9.2	253.9
+50			9.3	253.8
+75			8.9	254.2
16+00			9.2	253.9
+25			9.7	253.4
+50			10.3	252.8
+75			10.9	252.2
0+25				
16+50			12.2	250.9
+25			11.3	251.8
+00			11.4	251.7
15+75			11.5	251.6
+50			11.4	251.7
+25			10.8	252.3
+00			11.2	251.9
14+75			11.3	251.8
+50			11.6	251.5
+25			11.2	251.9

	+	H.I.	-	
		263.06		
14+00			11.6	251.5
13+75			11.4	251.7
+50			11.6	251.5
+25			12.1	251.0
<u>13+00</u>			<u>13.0</u>	<u>250.1</u>
P				
13+25			14.7	248.4
+50			14.9	248.2
+75			14.6	248.5
14+00			14.2	248.9
+25			14.6	248.5
+50			13.9	249.2
+75			14.0	249.1
15+00			13.6	249.5
+25			13.7	249.4
+50			13.0	250.1
+75			12.9	250.2
16+00			13.2	249.9
P+25				
15+75			15.8	247.3
+50			15.8	247.2
+25			15.9	247.2
+00			15.4	247.7

3-28-'32

Irebert
Bell
Kanagy
Keyser

51

Cross Section of Section "G" (1800' to 2300'
So. of 0+00, & B.L. to 300' West of Texas St. Base Line

	+	H.I.	-	
		263.06		
P+25				
14+75			15.9	247.2
+50			15.9	247.2
+25			16.2	246.9
+00			16.2	246.9
13+75			16.3	246.8
+50			16.7	246.4
M, 12+00			10.0	253.1
				Page 30. 253.2
P Rock	10.30	272.51 ✓	0.85	262.21 ✓
B.M. Hub				Page 41 269.45
B.L. 17+82	7.12	276.58 ✓	3.05	269.46 ✓
B.M. Hub				Page 21 274.15
B.L. 11+15	7.64	281.79 ✓	2.43	274.15 ✓
B.M. Hub				Page 21 278.24
B.L. 5+92	5.44	283.69 ✓	3.55	278.24 ✓
C.T. E.P.L. Texas				Page 2 280.92
M. Prop. L. Hpas S.E. B.P.	8.18	289.10 ✓	2.76	280.92 ✓
Texas & Myrtle			6.73	282.37 ✓ Page 2 282.38

	+	H.I.	-	
B.M. Hub				Page 41 269.45 ✓
B.L. 17+82	5.72	275.17 ✓		
B.L.				
18+25			5.4	269.8
+50			5.4	269.8
+75			5.0	270.2
19+00			5.3	269.9
+25			6.1	269.1
+50			6.8	268.4
+75			7.2	268.0
20+00			7.2	268.0
+25			8.1	267.1
+50			8.6	266.6
+75			9.4	265.8
21+00			10.2	265.0
+25			9.4	265.8
+50			9.5	265.7
+75			9.6	265.6
22+00			9.6	265.6
+25			9.5	265.7
+50			9.2	266.0
+75			8.5	266.7
23+00			9.9	265.3

	+	H.L.	-
		295.17	
B.L.+25			
23+00			6.7 268.5
22+75			6.4 268.8
+50			6.4 268.8
+25			6.8 268.4
+00			7.3 267.9
21+75			7.5 267.7
+50			7.7 267.5
+25			8.3 266.9
+00			8.7 266.5
20+75			8.6 266.6
+50			8.2 267.0
+25			7.8 267.4
+00			7.2 268.0
19+75			6.8 268.4
+50			6.3 268.9
+25			6.1 269.1
+00			6.3 268.9
18+75			6.5 268.7
+50			6.5 268.7
+25			6.3 268.9

A

	+	H.L.	-
		295.17	
18+25			7.9 267.3
+50			7.7 267.5
+75			7.0 268.2
19+00			6.8 268.4
+25			6.6 268.6
+50			6.6 268.6
+75			6.9 268.3
20+00			7.2 268.0
+25			7.7 267.5
+50			8.3 266.9
+75			8.3 266.9
21+00			8.4 266.8
+25			7.8 267.4
+50			7.5 267.7
+75			7.1 268.1
22+00			7.0 268.2
+25			5.9 269.3
+50			6.0 269.2
+75			6.2 269.0
23+00			6.2 269.0

	+	H.L.	-	
		275.17		
A+25				
23+00			5.8	269.4
22+75			6.2	269.0
+50			6.1	269.1
+25			6.3	268.9
+00			7.2	268.0
21+75			7.6	267.6
+50			7.2	268.0
+75			8.3	266.9
+00			7.5	267.7
20+75			7.9	267.3
+50			7.7	267.5
+25			7.4	267.8
+00			7.1	268.1
19+75			7.0	268.2
+50			7.0	268.2
+25			7.2	268.0
+00			7.2	268.0
18+75			7.5	267.7
+50			8.2	267.0
+25			9.2	266.0

	+	H.L.	-	
		275.17		
B				
18+25			10.5	264.7
+50			9.1	266.1
+75			8.2	267.0
19+00			7.7	267.5
+25			7.6	267.6
+50			7.4	267.8
+75			7.1	268.1
20+00			7.2	268.0
+25			7.3	267.9
+50			7.3	267.9
+75			7.8	267.4
21+00			7.6	267.6
+25			8.4	266.8
+50			8.2	267.0
+75			7.6	267.6
22+00			6.8	268.4
+25			6.7	268.5
+50			6.5	268.7
+75			6.0	269.2
23+00			5.7	269.5

	+	H.L.	-	
		275.17		
B+25				
23+00			5.8	269.4
22+75			6.1	269.1
+50			6.5	268.7
+25			6.7	268.5
+00			6.6	268.6
21+75			7.6	267.6
+50			8.4	266.8
+25			8.1	267.1
+00			8.3	266.9
20+75			7.6	267.6
+50			7.6	267.6
+25			7.3	267.9
+00			7.1	268.1
19+75			7.1	268.1
+50			7.5	267.7
+25			7.9	267.3
+00			8.4	266.8
18+75			9.3	265.9
+50			10.8	264.4
+25			12.5	262.7

C

	+	H.L.	-	
		275.17		
18+25			14.1	261.1
+50			11.5	263.7
+75			9.2	266.0
19+00			8.4	266.8
+25			7.5	267.7
+50			7.2	268.0
+75			6.8	268.4
20+00			6.4	268.8
+25			6.4	268.8
+50			6.5	268.7
+75			7.1	268.1
21+00			8.0	267.2
+25			8.4	266.8
+50			7.8	267.4
+75			6.6	268.6
22+00			7.5	267.7
+25			6.8	268.4
+50			6.6	268.6
+75			6.3	268.9
23+00			6.4	268.8

	+	H.L.	-	
		275.17		
C+25				
23+00			7.2	268.0
22+75			7.0	268.2
+50			6.8	268.4
+25			6.8	268.4
+00			7.2	268.0
21+75			8.1	267.1
+50			8.4	266.8
+25			8.4	266.8
+00			7.6	267.6
20+75			6.8	268.4
+50			6.3	268.9
+25			6.1	269.1
+00			6.3	268.9
19+75			6.6	268.6
+50			6.8	268.4
+25			7.2	268.0
+00			7.6	267.6
18+75			8.6	266.6
+50			10.3	264.9
+25			14.7	260.5

II

	+	H.L.	-	
		275.17		
18+25			14.8	260.4
+50			9.3	265.9
+75			7.7	267.5
19+00			7.2	268.0
+25			6.9	268.3
+50			6.8	268.4
+75			6.8	268.4
20+00			6.4	268.8
+25			6.2	269.0
+50			6.3	268.9
+75			6.8	268.4
21+00			7.2	268.0
+25			7.7	267.5
+50			7.3	267.9
+75			7.5	267.7
22+00			7.7	267.5
+25			7.0	268.2
+50			7.3	267.9
+75			7.8	267.4
23+00			8.0	267.2

	+	H.L.	-	
		275.17		
(D + 25				
23 + 00			9.1	266.1
22 + 75			8.8	266.4
+ 50			8.0	267.2
+ 25			8.4	266.8
+ 00			8.4	266.8
21 + 75			8.6	266.6
+ 50			8.5	266.7
+ 25			8.0	267.2
+ 00			7.8	267.4
20 + 75			7.6	267.6
+ 50			6.7	268.5
+ 25			6.6	268.6
+ 00			6.7	268.5
19 + 75			7.3	267.9
+ 50			7.5	267.7
+ 25			7.5	267.7
+ 00			7.5	267.7
18 + 75			8.0	267.2
+ 50			9.3	265.9
+ 25			14.8	260.4

	+	H.L.	-	
		275.17		
E				
18 + 25			16.4	258.8
+ 50			10.1	265.1
+ 75			8.7	266.5
19 + 00			8.6	266.6
+ 25			8.4	266.8
+ 50			8.4	266.8
+ 75			7.7	267.5
20 + 00			7.2	268.0
+ 25			7.1	268.1
+ 50			7.5	267.7
+ 75			8.3	266.9
21 + 00			8.6	266.6
+ 25			9.0	266.2
+ 50			8.9	266.3
+ 75			9.5	265.7
22 + 00			10.0	265.2
+ 25			9.5	265.7
+ 50			9.7	265.5
+ 75			9.8	265.3
23 + 00			9.9	265.2

	+	H.I.	-	
		275.17		
E+25				
23+00			11.1	264.1
22+75			11.5	263.7
+50			11.4	263.8
+25			11.3	263.9
+00			10.8	264.4
21+75			11.1	264.1
+50			10.1	265.1
+25			9.3	265.9
+00			8.9	266.3
20+75			8.7	266.5
+50			8.4	266.8
+25			7.8	267.4
+00			8.0	267.2
19+75			8.8	266.4
+50			9.3	265.9
+25			9.3	265.9
+00			9.5	265.7
18+75			10.2	265.0
+50			12.6	262.6
+25			15.5	259.7

	+	H.I.	-	
		275.17		
F				
18+50			15.2	260.0
+75			12.3	262.9
19+00			11.5	263.7
+25			11.3	263.9
+50			10.5	264.7
+75			9.3	265.9
20+00			8.8	266.4
+25			8.8	266.4
+50			9.0	266.2
+75			9.2	266.0
21+00			9.6	265.6
+25			10.1	265.1
+50			11.2	264.0
+75			12.0	263.2
22+00			12.8	262.4
+25			12.1	263.1
+50			12.6	262.6
+75			13.0	262.2
23+00			12.0	263.2

3-31-32

(619D)

Drebert
Bell
Kanagy
Keyser

58

Construction Stakes on Sewer Line in
Northeastern Recreation Area of Balboa
Park as per data from location and
profile in book #1443. All stakes offset 5'.

Station	+	H.I.	-	Elev. 1443.238 41	Flow Line Grade	Cut.
B.M. Hub 20+62	12.91	173.44 ✓		160.53 ✓		
20+62 M.H.			13.26	160.18 ✓	154.69 ✓	5.49 ✓ 10'S.
+50			13.26	160.18 ✓	155.27 ✓	4.91 ✓ 5'S.
+25			11.97	161.47 ✓	156.47 ✓	5.00 ✓ 5'S.
+00			11.27	162.17 ✓	157.68 ✓	4.49 ⁵⁰ ✓ 5'S.
19+75			8.83	164.61 ✓	158.88 ✓	5.73 ⁴ ✓ 5'S.
+50			7.33	166.11 ✓	160.09 ✓	6.02 ⁴ ✓ 5'S.
+25			5.81	167.63 ✓	161.29 ✓	6.34 ⁶ ✓ 5'S.
+00			3.94	169.50 ✓	162.50 ⁴⁷ ✓	7.00 ³ ✓ 5'S.
18+75			2.81	170.63 ✓	163.70 ⁶⁷ ✓	6.93 ⁶ ✓ 5'S.
+50			4.12	169.32 ✓	164.91 ⁸⁷ ✓	4.41 ⁵ ✓ 5'N.
+25			3.15	170.29 ✓	166.11 ⁰⁷ ✓	4.18 ²² ✓ 10'S.
PP Rock (18+25)	10.66	182.21 ✓	1.89	171.55 ✓		
18+00			10.21	172.00 ✓	167.32 ²⁷ ✓	4.68 ⁷³ ✓ 5'S.
17+75			7.74	174.47 ✓	168.52 ⁴⁷ ✓	5.95 ⁶⁰⁰ ✓ 5'S.
+50			8.68	173.53 ✓	169.73 ⁶⁷ ✓	3.80 ⁸⁶ ✓ 10'N.
+27 ⁵¹ M.H.			5.20	177.01 ✓	170.75 ✓	6.26 ✓ 10'N.
17+00			5.12	177.09 ✓	172.07 ¹³ ✓	4.96 ⁸ ✓ 5'E.
16+75			3.11	179.10 ✓	173.33 ⁸ ✓	5.77 ⁷² ✓ 5'E.

Grade raised 100' by Phelps
4-5-32 Cuts 1' less

Station	+	H.I.	-	Elev.	Flow Line Grade	Cut
		182.21 ✓				
16+50 TP	11.42	193.13 ✓	0.50	181.71 ✓	174.58 ⁶³	7.13 ⁰⁸ 5'W
+25			8.31	184.82 ✓	175.84 ⁸⁸	8.98 ⁹⁴ 5'W
+00			9.27	183.86 ✓	177.09 ¹³	6.77 ⁷³ 5'W
15+75			8.84	184.29 ✓	178.35 ³⁸	5.94 ⁸⁹ 5'E
+50			8.37	184.76 ✓	179.60 ⁴³	5.16 ¹³ 5'E
+25			4.76	188.37 ✓	180.86 ⁸⁸	7.51 ⁴⁹ 5'W
+00			3.66	189.47 ✓	182.11 ¹³	7.36 ³⁴ 5'W
14+87 ⁵¹ M.H.		Not put in. 12/1/32 Irebert	3.10	190.03 ✓	182.75 ✓	7.28 ✓ 10'W
+75 TP	12.48	202.76 ✓	2.85	190.28 ✓	183.35 ✓	6.93 ✓ 5'W
+50			11.54	191.22 ✓	184.55 ✓	6.67 ✓ 5'W
+25			12.43	190.33 ✓	185.75 ✓	4.58 ✓ 5'E
+00			9.76	193.00 ✓	186.95 ✓	6.05 ✓ 5'E
13+75			8.24	194.52 ✓	188.15 ✓	6.37 ✓ 5'E
+50			9.21	193.55 ✓	189.35 ✓	4.20 ✓ 5'W
+25			5.91	196.85 ✓	190.55 ✓	6.30 ✓ 5'W
+00			3.45	199.31 ✓	191.75 ✓	7.56 ✓ 5'W
12+75			5.43	197.33 ✓	192.95 ✓	4.38 ✓ 5'E
TP 12+40 E Hub	14.03	214.23	2.57	200.19 ✓ 1443/39 200.20 ✓		
12+40 M.H.			11.00	203.23	195.63	7.60 10'N.
+25			12.00	202.23	196.35	5.88 5'N
+00			9.75	204.48	197.55	6.93 5'N.
11+75			8.02	206.21	198.75	7.46 5'N.
+50			8.54	205.69	199.95	5.74 5'N
+25			9.26	204.97	201.15	3.82 5'S

Grade raised 198. Cuts 1' less

4-8-'32

Irebert
Mosien
Olmstead
DePrini

4-8-32

60

Station	+	H.I.	-	Elev.		Flow Line Grade	Cut	
		214.23						
11+00			6.68	207.55		202.35	5.20	10' N
10+75			6.43	207.80		204.55	4.25	5' N
TP (Lath on E at 9+89)	12.50	223.44	3.29	210.94	1443/38 210.94			
10+50			14.68	208.76		204.75	4.01	5' N
+25			13.91	209.53		205.95	3.58	5' N
+00			12.92	210.52		207.15	3.37	5' S
9+75			11.57	211.87		208.35	3.52	5' S
+47.30 M.H.			5.42	218.02		209.68	8.34	10' N
+25			4.51	218.93		210.95	7.98	5' N
+00			5.72	217.72		212.39	5.35	5' N
8+75			5.80	217.64		213.79	3.85	5' N
TP (Lath on E at 8+30)	11.83	234.37	0.89	222.55	1443/38 222.54			
8+50			12.80	221.57		215.21	6.36	5' N
+25			10.06	224.31		216.64	7.67	5' N
+00			8.33	226.04		218.06	7.98	5' N
7+75			8.43	225.94		219.48	6.46	5' N
+50			5.57	228.80		220.90	7.90	5' N
+25			4.05	230.32		222.33	7.99	5' N
+00			5.92	228.45		223.75	4.70	5' N
6+75			3.84	230.53		225.17	5.36	5' So.
TP +50	6.23	239.64	0.96	233.41		226.59	6.82	5' So.
6+24.75 M.H.			8.43	231.21		228.06	3.15	10' N
+00			5.76	233.88		229.66	4.22	
5+75			2.27	239.37		231.28	6.09	

Station	+	H.I.	-	Elev.	Flow Line Grade	Cut	
		239.64					
5+50			0.95	238.69	232.91	5.78	
TP. Rock opp. 5+75	12.99	250.95	1.68	237.96			
5+25			12.45	238.50	234.53	3.97	
+00			9.60	241.35	236.16	5.19	
4+69 ⁷⁵ Grade Brk.			5.60	245.35	238.14	7.21	10'W
+50			6.41	244.54	239.92	4.62	5'W
+25			2.81	248.14	242.17	5.93	5'E
TP. Rock opp. 3+90	11.58	261.98	0.55	250.40			
4+00			10.45	251.53	244.42	7.11	"
3+75			9.70	252.28	246.67	5.61	"
+50			8.65	253.33	248.92	4.41	5'W
TP. & Hub 3+14.43	11.20	269.96	3.20	258.78			
2+89.84					252.17	9.26	5'W
3+14.43			8.53	261.43	254.38	13.14	
2+62.64 Drop M.H.			2.44	267.52	256.38	11.14	5'N
+25 TP.	11.40	280.26	1.10	268.86	256.79	12.07	"
+00			11.68	268.58	257.06	11.52	"
1+50			9.84	270.42	257.60	12.82	"
+00			7.28	272.98	258.14	14.84	"
0+56.50 L. Clean Out			5.81	274.45	258.61	15.84	"
+00 M.H.			3.15	277.11	259.19	17.92	"
B.M. 1 offset Hub							
3+40			1.05	279.21			

1443/37
258.76

Station

+

H.L.

-

Elev.

Flow Line
Grade

Cut.

4-14-32

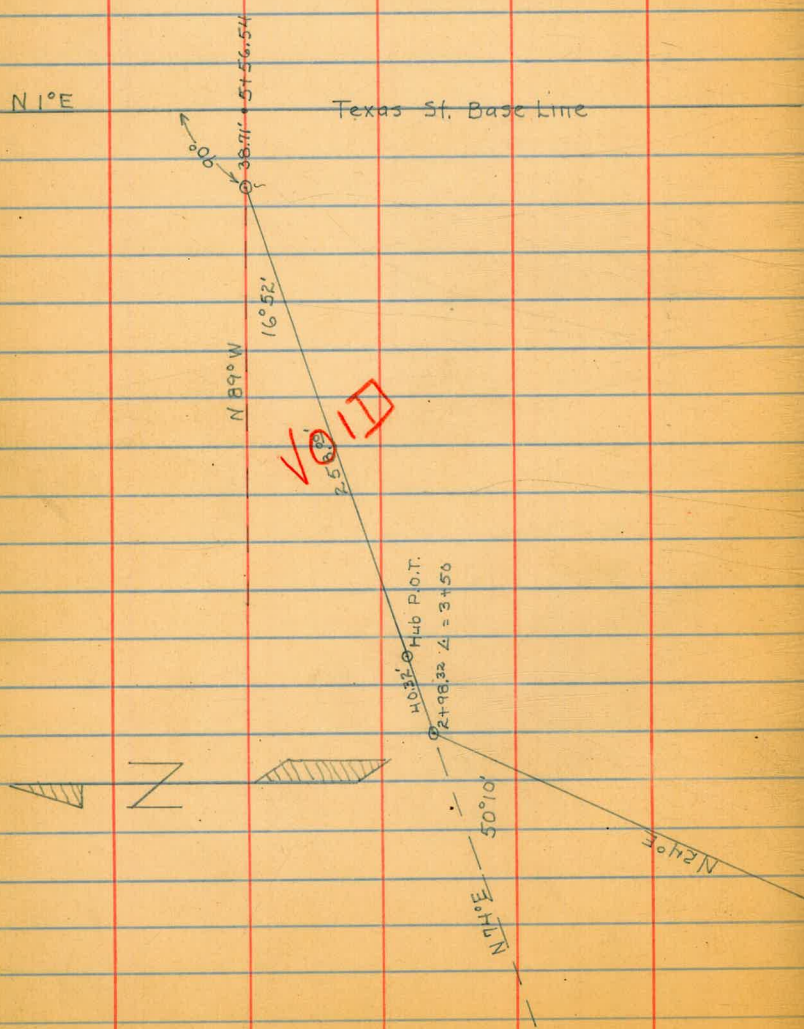
Drebert
Mosien
Olmsted
DePerini

63

Relocation of Sewer Line from Field House to Sta.
3+50 on Line shown in 1443/35

Profile

Station	+	H.I.	-	Elev.
B.M. 1' offset Hub				1441/3
B.L. 3+40	0.01	279.22		279.21
0+00			2.1	277.1
+25			3.2	276.0
+50			4.4	274.8
+75			5.6	273.6
1+00			6.5	272.7
+25			7.8	271.4
+50			8.4	270.8
+75			9.5	269.7
2+00			10.3	268.9
+25			10.8	268.4
+50			11.9	267.3
TP. +58 ⁰⁰ Hub	0.41	267.07	12.56	266.66
+62			0.8	266.3
+75			7.7	259.4
+85			12.4	254.7
+90			13.6	253.5
+91			15.6	251.5
+98.32 Hub M.H. = 3+50			16.8	250.3
B.M. Old Hub at 3+14.43			8.33	258.74
				1443/37 258.76



4-11-32

Drebert
Mosien
Olmsted
De Prini

64

Cross Section of Section "H" (0+00 to 8+00 South
2,650' West to 1100' West of Texas St. B.L.)

	+	H.I.	-			
					276.01	
				M+25		
				4+25		5.2 270.8
C.T.E.T. Line Texas				+50		5.1 270.9
No. Prop. Upas	2.59	283.51 ✓		+75		5.6 270.4
Top of Curb				5+00		6.1 269.9
N.E. Cor. Louis. Upas	4.10	282.21 ✓	5.40	+25		6.7 269.3
P. Rock	1.30	276.01 ✓	7.50	+50		7.2 268.8
				+75		8.2 267.8
M+25				6+00		8.8 267.2
0+00 Headerboard		3.23	272.78	+25		10.3 265.7
+10		2.2	273.8	+50		11.0 265.0
+25		2.1	273.9	+75		11.5 264.5
+50		2.3	273.7	7+00		12.4 263.6
+75		2.3	273.7	+25		13.5 262.5
1+00		2.5	273.5	+50		14.8 261.2
+25		2.8	273.2	+75		16.2 259.8
+50		3.0	273.0	8+00		17.4 258.6
+75		2.9	273.1	N		
2+00		3.1	272.9	8+00		16.0 260.0
+25		3.6	272.4	7+75		14.8 261.2
+50		3.6	272.4	+50		13.9 262.1
+75		4.0	272.0	+25		12.6 263.4
3+00		4.3	271.7	+00		11.5 264.5
+25		4.4	271.6	6+75		10.7 265.3
+50		4.6	271.4			
+75		5.0	271.0			
4+00		5.1	270.9			

	+	H.L.	-
		276.01	
N			
6+50			9.9 266.1
+25			9.4 266.6
+00			8.7 267.3
5+75			7.7 268.3
+50			6.9 269.1
+25			6.4 269.6
+00			6.0 270.0
4+75			5.8 270.2
+50			5.8 270.2
+25			5.9 270.3
+00			5.6 270.4
3+75			5.5 270.5
+50			5.3 270.7
+25			5.1 270.9
+00			4.8 271.2
2+75			4.6 271.4
+50			4.4 271.6
+25			4.1 271.9
+00			3.8 272.2
1+75			3.8 272.2
+50			3.5 272.5
+25			3.5 272.5
+00			3.3 272.7

	+	H.L.	-
		276.01	
N			
0+75			2.8 273.2
+50			3.2 272.8
+25			3.0 273.0
+10			2.9 273.1
+00 Headerboard			3.67 272.34
N+25			
0+00 Headerboard			4.2 271.8
+10			3.4 272.6
+25			3.5 272.5
+50			3.7 272.3
+75			3.8 272.2
1+00			4.2 271.8
+25			4.4 271.6
+50			4.4 271.6
+75			4.6 271.4
2+00			4.8 271.2
+25			5.1 270.9
+50			4.9 271.1
+75			5.2 270.8
3+00			5.4 270.6
+25			5.8 270.2
+50			6.0 270.0

	+	H.I.	-	
		276.01		
N+25				
3+75			6.0	270.0
4+00			6.2	269.8
+25			6.4	269.6
+50			6.2	269.8
+75			6.3	269.7
5+00			6.3	269.7
+25			6.8	269.2
+50			7.2	268.8
+75			7.7	268.3
6+00			8.3	267.7
+25			9.0	267.0
+50			9.6	266.4
+75			10.2	265.8
7+00			11.1	264.9
+25			11.6	264.4
+50			12.5	263.5
+75			13.4	262.6
8+00			14.6	261.4
0				
8+00			14.4	261.6
7+75			12.9	263.1
+50			11.9	264.1
+25			11.0	265.0

	+	H.I.	-	
		276.01		
0				
7+00			10.4	265.6
6+75			9.8	266.2
+50			9.1	266.9
+25			8.6	267.4
+00			8.2	267.8
5+75			8.1	267.9
+50			7.7	268.3
+25			7.5	268.5
+00			7.2	268.8
4+75			6.9	269.1
+50			7.0	269.0
+25			7.0	269.0
+00			7.1	268.9
3+75			7.0	269.0
+50			6.6	269.4
+25			6.2	269.8
+00			6.1	269.9
2+75			5.9	270.1
+50			5.5	270.5
+25			5.5	270.5
+00			5.1	270.9
1+75			5.2	270.8
+50			5.0	271.0

	+	H.l.	-	
		276.01		
0				
1+25			5.0	271.0
+00			4.8	271.2
0+75			4.6	271.4
+50			4.4	271.6
+25			4.3	271.7
+10			4.4	271.6
+00 Header board			4.88	271.13
0+25				
0+00 Header board			5.69	270.32
+10			5.1	270.9
+25			5.0	271.0
+50			5.1	270.9
+75			5.3	270.7
1+00			5.3	270.7
+25			5.0	271.0
+50			5.7	270.3
+75			5.5	270.5
2+00			5.8	270.2
+25			6.0	270.0
+50			6.4	269.8
+75			6.7	269.3
3+00			6.8	269.2
+25			7.2	268.8

	+	H.l.	-	
		276.01		
0+25				
3+50			7.7	268.3
+75			7.4	268.6
4+00			8.0	268.0
+25			7.8	268.2
+50			7.9	268.1
+75			7.8	268.2
5+00			8.1	267.9
+25			8.2	267.8
+50			8.2	267.8
+75			8.4	267.6
6+00			8.7	267.3
+25			9.1	266.9
+50			9.6	266.4
+75			10.0	266.0
7+00			10.5	265.5
+25			11.2	264.8
+50			11.9	264.1
+75			12.7	263.3
8+00			14.2	261.8
P				
8+00			14.1	261.9
7+75			13.4	262.6
+50			12.7	263.3

	+	H.I.	-
		276.01	
CP			
7+25			11.9 264.1
+00			11.2 264.8
6+75			10.8 265.2
+50			10.4 265.6
+25			10.1 265.9
+00			9.6 266.4
5+75			9.3 266.7
+50			9.1 266.9
+25			8.5 267.5
+00			7.9 268.1
4+75			8.6 267.4
+50			8.5 267.5
+25			8.7 267.3
+00			8.5 267.5
3+75			8.4 267.6
+50			8.2 267.8
+25			8.0 268.0
+00			7.7 268.3
2+75			7.4 268.6
+50			7.0 269.0
+25			6.7 269.3
+00			6.6 269.4
1+75			6.2 269.8

	+	H.I.	-
		276.01	
P			
1+50			6.0 270.0
+25			5.8 270.2
+00			5.8 270.2
0+75			5.6 270.4
+50			5.5 270.5
+25			5.8 270.2
+10			6.1 269.9
+00 Headerboard			6.49 269.52
P+25			
0+00 Headerboard			7.40 268.61
+10			6.7 269.3
+25			6.4 269.6
+50			6.4 269.6
+75			6.3 269.7
1+00			6.4 269.6
+25			6.6 269.4
+50			6.7 269.3
+75			7.1 268.9
2+00			7.3 268.7
+25			7.3 268.7
+50			7.6 268.4
+75			8.1 267.9
3+00			8.4 267.6

	+	H.I.	-	
		276.01		
P+25				
3+25			8.4	267.6
+50			8.8	267.2
+75			8.7	267.3
4+00			9.8	266.2
+25			9.9	266.1
+50			9.8	266.2
+75			9.8	266.2
5+00			10.0	266.0
+25			10.1	265.9
+50			10.1	265.9
+75			10.0	266.0
6+00			10.7	265.3
+25			10.8	265.2
+50			11.3	264.7
+75			11.8	264.2
7+00			12.5	263.5
+25			13.1	262.9
+50			13.9	262.1
+75			13.9	262.1
8+00			15.0	261.0
Q				
8+00			16.4	259.6
7+75			15.6	260.4

	+	H.I.	-	
		276.01		
Q				
7+50			14.9	261.1
+25			14.0	262.0
+00			13.7	262.3
6+75			13.4	262.6
+50			13.1	262.9
+25			12.7	263.3
+00			12.2	263.8
5+75			11.7	264.3
+50			11.1	264.9
+25			11.0	265.0
+00			11.0	265.0
4+75			10.8	265.2
+50			10.8	265.2
+25			10.5	265.5
+00			10.6	265.4
3+75			10.2	265.8
+50			9.7	266.3
+25			9.3	266.7
+00			9.4	266.6
2+75			8.4	267.6
+50			8.5	267.5
+25			8.0	268.0
+00			8.0	268.0

	+	H.L.	-
		276.01	
Q			
1+75			7.4 268.6
+50			7.5 268.5
+25			7.3 268.7
+00			7.1 268.9
0+75			7.1 268.9
+50			6.9 269.1
+25			7.3 268.7
+10			7.4 268.6
+00 Header board			8.31 267.70 1441/64
TP Rock			1.30 274.71
			4-12-32
TP Rock	0.11	274.82	274.71
Q+25			
0+00 Headerboard			8.14 266.7
+10			7.2 267.6
+25			6.8 268.0
+50			6.8 268.0
+75			6.4 268.4
1+00			6.8 268.0
+25			6.7 268.1
+50			6.8 268.0
+75			6.9 267.9
2+00			7.8 267.0

	+	H.L.	-
		274.82	
Q+25			
2+25			7.7 267.1
+50			8.2 266.6
+75			8.2 266.6
3+00			9.2 265.6
+25			9.5 265.3
+50			9.7 265.1
+75			10.1 264.7
4+00			10.3 264.5
+25			10.6 264.2
+50			10.8 264.0
+75			11.1 263.7
5+00			11.0 263.8
+25			11.3 263.5
+50			11.8 263.0
+75			12.0 262.8
6+00			12.7 262.1
+25			13.2 261.6
+50			13.5 261.3
+75			13.7 261.1
7+00			14.2 260.6
+25			15.1 259.7
+50			15.8 259.0
+75			16.4 258.4
8+00			17.1 257.7

	+	H.L.	-
		274.82	
R			
8+00			19.5 255.3
7+75			18.6 256.2
+50			17.9 256.9
+25			17.2 257.6
+00			16.5 258.3
6+75			16.2 258.6
+50			15.5 259.3
+25			14.8 260.0
+00			14.0 260.8
5+75			13.6 261.2
+50			13.3 261.5
+25			12.8 262.0
+00			13.0 261.8
4+75			12.8 262.0
+50			12.6 262.2
+25			12.2 262.6
+00			12.0 262.8
3+75			11.2 263.6
+50			11.5 263.3
+25			11.2 263.6
+00			10.5 264.3
2+75			10.1 264.7
+50			9.3 265.5

	+	H.L.	-
		274.82	
R			
2+25			8.9 265.9
+00			8.8 266.0
1+75			8.1 266.7
+50			7.9 266.9
+25			7.9 266.9
+00			7.8 267.0
0+75			7.6 267.2
+50			7.6 267.2
+25			7.5 267.3
+10			8.1 266.7
+00 Headerboard			8.95 265.87
R+25			
0+00 Headerboard			10.08 264.74
+10			9.3 265.5
+25			8.6 266.2
+50			8.8 266.0
+75			8.7 266.1
1+00			8.8 266.0
+25			8.5 266.3
+50			9.0 265.8
+75			9.3 265.5
2+00			9.6 265.2
+25			10.1 264.7

	+	H.I.	-	
		274.82		
R+25				
2+50			10.9	263.9
+75			11.5	263.3
3+00			12.9	261.9
+25			14.1	260.7
+50			14.4	260.4
+75			14.1	260.7
4+00			13.7	261.1
+25			13.3	261.5
+50			13.8	261.0
+75			14.4	260.4
5+00			14.7	260.1
+25			15.0	259.8
+50			15.1	259.7
+75			15.2	259.6
6+00			16.0	258.8
+25			16.6	258.2
+50			17.3	257.5
+75			17.8	257.0
7+00			18.3	256.5
+25			19.3	255.5
+50			19.8	255.0
+75			20.5	254.3
8+00			20.5	254.3

S

	+	H.I.	-	
		274.82		
8+00			22.5	252.3
7+75			22.9	251.9
+50			21.7	253.1
+25			22.2	252.6
+00			21.2	253.6
6+75			19.2	255.6
+50			18.9	255.9
+25			17.9	256.9
+00			19.5	257.3
5+75			17.0	257.8
+50			16.7	258.1
+25			16.7	258.1
+00			16.4	258.4
4+75			16.9	257.9
+50			17.0	257.8
+25			17.6	257.2
+00			17.6	257.2
3+75			18.2	256.6
+50			18.6	256.2
+25			16.8	258.0
+00			15.3	259.5
2+75			13.6	261.2
+50			12.1	262.7

	+	H.L.	-		+	H.L.	-
		274.82				267.80	
S				S+25			
2+25			11.4	263.4	2+25	6.0	261.8
+00			11.2	263.6	+50	7.0	260.8
1+75			10.8	264.0	+75	8.0	259.8
+50			10.3	264.5	3+00	9.6	258.2
+25			10.2	264.6	+25	11.9	255.9
+00			10.0	264.8	+50	15.1	252.7
0+75			9.9	264.9	+75	14.9	252.9
+50			10.0	264.8	4+00	15.0	252.8
+25			10.1	264.7	+25	14.7	253.1
+15			10.5	264.3	+50	13.3	254.5
+00 Headerboard			11.89	262.93	+75	12.5	255.3
P. Rock	4.75	267.80	11.77	263.05	5+00	12.0	255.8
S+25					+25	11.7	256.1
0+00 Headerboard			6.59	261.21	+50	11.7	256.1
+10			5.0	262.8	+75	12.2	255.6
+25			4.7	263.1	6+00	12.1	255.7
+50			4.5	263.3	+25	12.7	255.1
+75			4.2	263.6	+50	14.0	253.8
1+00			4.4	263.4	+75	15.4	252.4
+25			4.8	263.0	7+00	16.2	251.6
+50			4.6	263.2	+25	17.1	250.7
+75			4.8	263.0	+50	17.6	250.2
2+00			5.3	262.5	+75	17.8	250.0
					8+00	18.5	249.3

	+	H.I.	-
		267.80	
T			
8+00			20.1 247.7
7+75			19.9 247.9
+50			20.0 247.8
+25			19.6 248.2
+00			18.4 249.4
6+75			17.7 250.1
+50			16.1 251.7
+25			15.4 252.4
+00			15.0 252.8
5+75			14.5 253.3
+50			14.2 253.6
+25			14.1 253.7
+00			14.6 253.6
4+85			14.9 252.9
+75			16.3 251.5
+50			17.1 250.7
+25			17.4 250.4
+00			18.8 249.0
3+75			19.5 248.3
+65			20.6 247.2
+50			17.0 250.8
+25			13.9 253.9
+00			11.5 256.3
2+75			9.8 258.0

	+	H.I.	-
		267.80	
T			
2+50			8.7 259.1
+25			7.6 260.2
+00			6.9 260.9
1+75			6.7 261.1
+50			6.4 261.4
+25			6.2 261.6
+00			6.0 261.8
0+75			5.9 261.9
+50			5.9 261.9
+25			6.2 261.6
+10			6.8 261.0
+00			7.56 260.24
T+26			
			Gutter 8.31 259.43
0+00			Top of Curb 7.83 259.97
T+25, 0+00			Header board 8.32 259.48
+25			7.7 260.1
+50			7.8 260.0
+75			7.7 260.1
1+00			7.6 260.2
+25			7.7 260.1
+50			7.9 259.9
+75			8.3 259.5
2+00			8.7 259.1

	+	H.I.	-
		267.80	
T+25			
2+25			9.3 258.5
+50			10.1 257.7
+75			11.0 256.8
3+00			12.9 254.9
+25			15.7 252.1
+50			17.7 250.1
+75			21.1 246.7
T+10, 3+80			21.0 246.8
T+25, 3+92			29.1 238.7
4+05			28.3 239.5
+25			22.4 245.4
+50			21.4 246.4
+75			19.6 248.2
5+00			17.3 250.5
+25			16.0 251.8
+50			16.3 251.5
+75			16.7 251.1
6+00			17.2 250.6
+25			17.7 250.1
+50			18.3 249.5
+75			19.8 248.0
7+00			21.2 246.6

	+	H.I.	-
		267.80	
T+25			
7+25			22.1 245.7
+50			22.2 245.6
+75			22.4 245.4
8+00			22.4 245.4
U			
8+00			23.7 244.1
7+75			25.2 242.6
+50			25.2 242.6
+25			24.1 243.7
+00			22.9 244.9
6+75			21.3 246.5
+50			20.5 247.3
+25			19.8 248.0
+00			19.5 248.3
5+75			19.4 248.4
+50			19.2 248.6
+75			19.5 248.3
+00			20.8 247.0
4+75			21.7 246.1
+70			22.2 245.6
+60			24.0 243.8
+45			29.0 238.8
+20			32.0 235.8

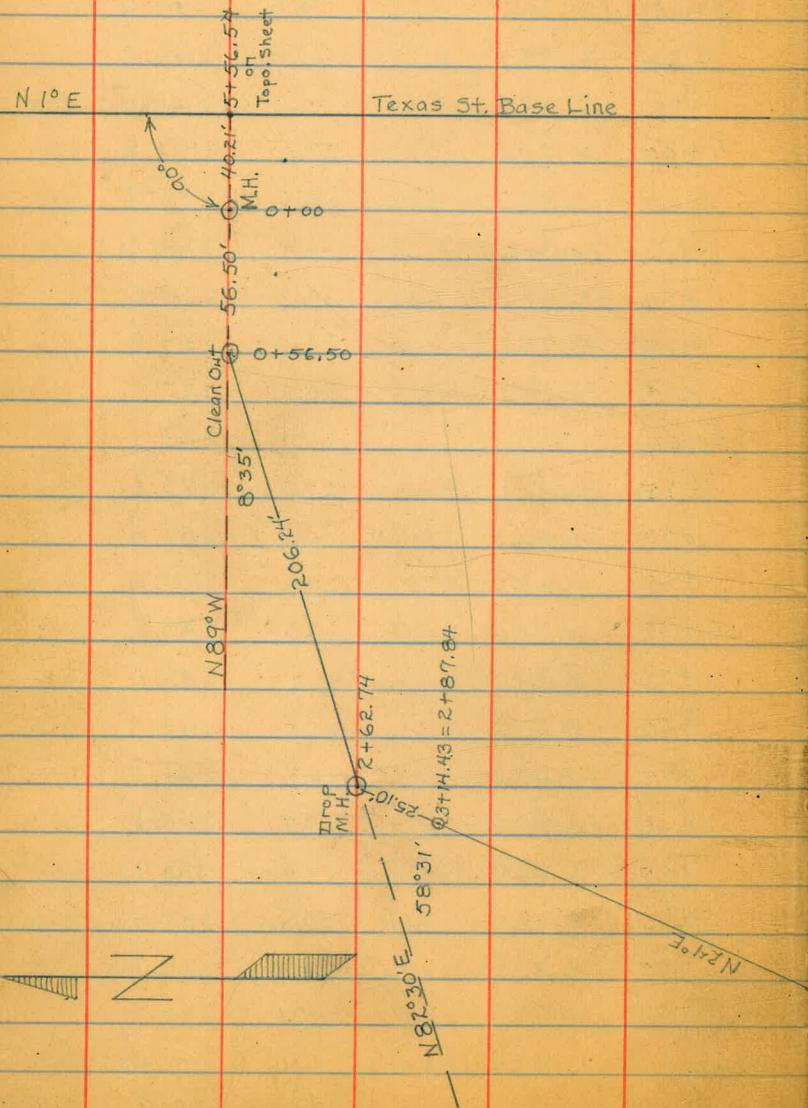
+ H.I. 267.80

4+25			
6+00	21.8	246.0	
+25	22.4	245.4	
+50	22.9	244.9	
+75	23.9	243.9	
7+00	24.8	243.0	
+25	27.4	240.4	
+50	28.1	239.7	
+75	27.9	239.9	
8+00	26.1	241.7	
V			
0+00	13.8	254.0	
+25	13.2	254.6	
+50	12.9	254.9	
+75	12.8	255.0	
1+00	12.8	255.0	
+25	12.8	255.0	
+50	12.9	254.9	
+75	13.7	254.1	
2+00	13.7	254.1	
+25	14.1	253.7	
+50	14.5	253.3	
+75	15.8	252.0	
3+00	16.7	251.1	

+ H.I. 267.80

V			
3+25	18.4	249.4	
+50	20.9	246.9	
+75	23.6	244.4	
4+00	27.6	240.2	
+20	35.4	232.4	
+35	43.5	224.3	
+50	37.8	230.0	
+65	33.0	234.8	
+75	30.1	237.7	
5+00	27.9	239.9	
+25	27.0	240.8	
+50	24.8	243.0	
+75	23.8	244.0	
6+00	24.3	243.5	
+25	24.7	243.1	
+50	25.5	242.3	
+75	26.3	241.5	
7+00	27.7	240.1	
+25	29.7	238.1	
+50	30.8	237.0	
+75	31.4	236.4	
8+00	30.1	237.7	
TP. Rock	3.10	270.90	0.00
M, 600 (Sec. "A" page 19)			4.0
			266.9
			266.8

Relocation of Sewer Line from Field House to
Sta. 3+14.43 on Line shown in 1443/35.



Station	+	H.L.	-	Elev.
B.M. 1 st Offset Hub				1441/3
B.L. 3+40	1.04	280.25		279.21
(M.H. bet. Pool & Field House)			3.0	277.3
(East Wall F.H. Found. Footing)			5.7	274.6
+25			4.1	276.2
(W. Wall F.H. Found. Footing)			6.8	273.5
+40			5.6	274.7
+50			5.7	274.6
+56.50 & Clean Out			6.1	274.2
+75			7.3	273.0
1+00			8.3	272.0
+25			9.9	270.4
+50			11.3	269.0
2+00			12.1	268.2
+20			10.6	269.7
+32			12.2	268.1
+50			13.2	267.1
(S.N. of P. Rock)	2.11	270.11	12.25	268.00
2+62.64 & M.H.			3.30	266.8
+68			5.0	265.1
+67			6.7	263.4
2+87.84 = 3+14.43			11.34	258.77

1443/37
258.76

4-29-32

Drebert
McHugh
Wherry

Bench Levels on Texas St. Base Line.

Station	+	H.L.	-	Elev.
1' offset Hub 3+40	5.93	285.14		279.21
E. Hub 8+87	4.13	281.00	8.27	276.87
" 10+70	3.58	277.76	6.82	274.18
" 13+03			4.41	273.35
" 14+50	4.19	275.69	6.26	271.50
" 16+86			6.05	269.64
" 17+82	4.09	273.57	6.21	269.48
" 19+92			5.24	268.33
" 20+52			7.05	266.52

8-17-34 Shoemaker, Updegraf, Woods

SEC. "C"

B.M. 11+15 P. 21 Hub on B.L.	6.56	280.71		274.15
" 8+36			4.0	276.7
" 8+41			3.0	277.7
" 8+54			3.3	277.4
" 8+58			4.5	276.2
" 8+87 Hub			4.15	276.56
" 8+46-25W			4.0	276.7
" 8+41-25W			3.1	277.6
" 7+75-23W			3.9	276.8
" - 40W			3.4	277.3
" - 38W			4.3	276.4

70

8-18-34 Shoemaker-Updegraf, Woods.

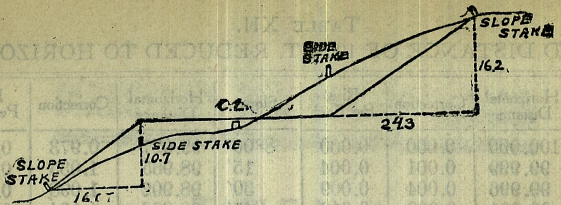
B.M. 11+15 P. 21 Hub on B.L.	5.20	279.35		274.15
E+25-10+85			6.6	272.8
" 10+80			7.6	271.8
" F 10+87			7.1	272.3
" 10+82			8.6	270.8
E+25-10+89			7.2	272.2
" 10+84			9.4	270.0
B.M. 11+15 P. 21 Hub on B.L.	1.78	275.93		274.15
I+12W-E Ditch			Surface 8.7	267.2
"			Bottom of Ditch 12.1	263.8

SEC. "D" 8-20-34

B.M. 11+15 P. 21 Hub on B.L.	0.78	274.93		274.15
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SEC. "E"

Hub 11+15 Hub B.L. 13+03	1.23	275.38		274.15
			2.06	273.32



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

SLOPE 1 1/2 TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0 00	0 15	0 30	0 45	0 60	0 75	0 90	1 05	1 20	1 35	0
1	1 50	1 65	1 80	1 95	2 10	2 25	2 40	2 55	2 70	2 85	1
2	3 00	3 15	3 30	3 45	3 60	3 75	3 90	4 05	4 20	4 35	2
3	4 50	4 65	4 80	4 95	5 10	5 25	5 40	5 55	5 70	5 85	3
4	6 00	6 15	6 30	6 45	6 60	6 75	6 90	7 05	7 20	7 35	4
5	7 50	7 65	7 80	7 95	8 10	8 25	8 40	8 55	8 70	8 85	5
6	9 00	9 15	9 30	9 45	9 60	9 75	9 90	10 05	10 20	10 35	6
7	10 50	10 65	10 80	10 95	11 10	11 25	11 40	11 55	11 70	11 85	7
8	12 00	12 15	12 30	12 45	12 60	12 75	12 90	13 05	13 20	13 35	8
9	13 50	13 65	13 80	13 95	14 10	14 25	14 40	14 55	14 70	14 85	9
10	15 00	15 15	15 30	15 45	15 60	15 75	15 90	16 05	16 20	16 35	10
11	16 50	16 65	16 80	16 95	17 10	17 25	17 40	17 55	17 70	17 85	11
12	18 00	18 15	18 30	18 45	18 60	18 75	18 90	19 05	19 20	19 35	12
13	19 50	19 65	19 80	19 95	20 10	20 25	20 40	20 55	20 70	20 85	13
14	21 00	21 15	21 30	21 45	21 60	21 75	21 90	22 05	22 20	22 35	14
15	22 50	22 65	22 80	22 95	23 10	23 25	23 40	23 55	23 70	23 85	15
16	24 00	24 15	24 30	24 45	24 60	24 75	24 90	25 05	25 20	25 35	16
17	25 50	25 65	25 80	25 95	26 10	26 25	26 40	26 55	26 70	26 85	17
18	27 00	27 15	27 30	27 45	27 60	27 75	27 90	28 05	28 20	28 35	18
19	28 50	28 65	28 80	28 95	29 10	29 25	29 40	29 55	29 70	29 85	19
20	30 00	30 15	30 30	30 45	30 60	30 75	30 90	31 05	31 20	31 35	20
21	31 50	31 65	31 80	31 95	32 10	32 25	32 40	32 55	32 70	32 85	21
22	33 00	33 15	33 30	33 45	33 60	33 75	33 90	34 05	34 20	34 35	22
23	34 50	34 65	34 80	34 95	35 10	35 25	35 40	35 55	35 70	35 85	23
24	36 00	36 15	36 30	36 45	36 60	36 75	36 90	37 05	37 20	37 35	24
25	37 50	37 65	37 80	37 95	38 10	38 25	38 40	38 55	38 70	38 85	25
26	39 00	39 15	39 30	39 45	39 60	39 75	39 90	40 05	40 20	40 35	26
27	40 50	40 65	40 80	40 95	41 10	41 25	41 40	41 55	41 70	41 85	27
28	42 00	42 15	42 30	42 45	42 60	42 75	42 90	43 05	43 20	43 35	28
29	43 50	43 65	43 80	43 95	44 10	44 25	44 40	44 55	44 70	44 85	29
30	45 00	45 15	45 30	45 45	45 60	45 75	45 90	46 05	46 20	46 35	30
31	46 50	46 65	46 80	46 95	47 10	47 25	47 40	47 55	47 70	47 85	31
32	48 00	48 15	48 30	48 45	48 60	48 75	48 90	49 05	49 20	49 35	32
33	49 50	49 65	49 80	49 95	50 10	50 25	50 40	50 55	50 70	50 85	33
34	51 00	51 15	51 30	51 45	51 60	51 75	51 90	52 05	52 20	52 35	34
35	52 50	52 65	52 80	52 95	53 10	53 25	53 40	53 55	53 70	53 85	35
36	54 00	54 15	54 30	54 45	54 60	54 75	54 90	55 05	55 20	55 35	36
37	55 50	55 65	55 80	55 95	56 10	56 25	56 40	56 55	56 70	56 85	37
38	57 00	57 15	57 30	57 45	57 60	57 75	57 90	58 05	58 20	58 35	38
39	58 50	58 65	58 80	58 95	59 10	59 25	59 40	59 55	59 70	59 85	39
40	60 00	60 15	60 30	60 45	60 60	60 75	60 90	61 05	61 20	61 35	40
41	61 50	61 65	61 80	61 95	62 10	62 25	62 40	62 55	62 70	62 85	41
42	63 00	63 15	63 30	63 45	63 60	63 75	63 90	64 05	64 20	64 35	42
43	64 50	64 65	64 80	64 95	65 10	65 25	65 40	65 55	65 70	65 85	43
44	66 00	66 15	66 30	66 45	66 60	66 75	66 90	67 05	67 20	67 35	44
45	67 50	67 65	67 80	67 95	68 10	68 25	68 40	68 55	68 70	68 85	45
46	69 00	69 15	69 30	69 45	69 60	69 75	69 90	70 05	70 20	70 35	46
47	70 50	70 65	70 80	70 95	71 10	71 25	71 40	71 55	71 70	71 85	47
48	72 00	72 15	72 30	72 45	72 60	72 75	72 90	73 05	73 20	73 35	48
49	73 50	73 65	73 80	73 95	74 10	74 25	74 40	74 55	74 70	74 85	49
50	75 00	75 15	75 30	75 45	75 60	75 75	75 90	76 05	76 20	76 35	50

Computed by L. Leland Locke.

13 + 03
11 + 10
1 88

14.50

236.2

1686.2 found

100

517
700
500
57

11+15
51 87
2 28

363

623

986

887

99

C+23.01

10+70

9+86

84

887 887

793 725

94 112

Dec 29, 32

Equipment

- < 1 Berger Transit #14178
- < 1 Gurley Level #273025
- 1 K&E Hand Level
- < 1 Rod
- < 2 Plumb bobs
- < 1 100' chain
- < 1 50' cloth tape
- < 1 Stake Sack
- < 1 Mail
- 1 Gad
- < 1 Handax
- < 1 Pickhammer
- < 1 Brushhook
- < 1 Saw
- < 1 Canteen

Phelps Wade