

F. 812

IND

MICROFILMED
DEC 15 1964

62929
V 527
2161

MAY 2 1912

MAY 2 1912
MAY 2 1912

MAY 2 1912

2 YW

MAY 2 1912

INDEX

FB 812

Sewer Levels	Canijan Line Florida	2 - 11
" "	Alabama (Londis to Uvn)	12 - 14
" "	Uvn. Ave. Alabama South	15 - 16
" "	Alley bet Texas & Ariz. (Uvn to Polk)	17 - 18
" "	Polk (Ariz to Texas)	19 - 20
" "	Alley bet Ariz & Hamilton (Uvn to Cajon)	22 - 24
" "	" " Alabama & Miss (" " ")	25 - 27
" "	" " Miss & Louis (" " ")	28 - 30
" "	" " Louis & Texas (" " ")	31 - 33
" "	Hamilton (Uvn. to Polk)	34 - 35
" "	Alley bet Hamilton & Oregon (Uvn to Cajon)	36 - 38
" "	" " Idaho & " (" " ")	39 - 40
" "	" " " & Utah (" " ")	41 - 43
" "	" " Kansas & " (" " ")	44 - 46
" "	" " Florida & Alabama	47 - 53
" "	" " Cajon Howard (Louis to Oregon)	62 - 65
" "	" " Florida & Georgia (Uvn. to Cajon)	66 - 68
" "	" " Utah & Idaho	69
" "	Alabama (Dwight to Londis)	70 - 71
" "	Howard & Florida	71 -
" "	Dale & Beachy	72
" "	& Dale - Asti to & A	73

FR 815

Fla - & etc - 7
Land Dist. Univ - 12

26557 B.M. Mon. N.E. Ala. & Miss.

1

see Book 466 p. 72

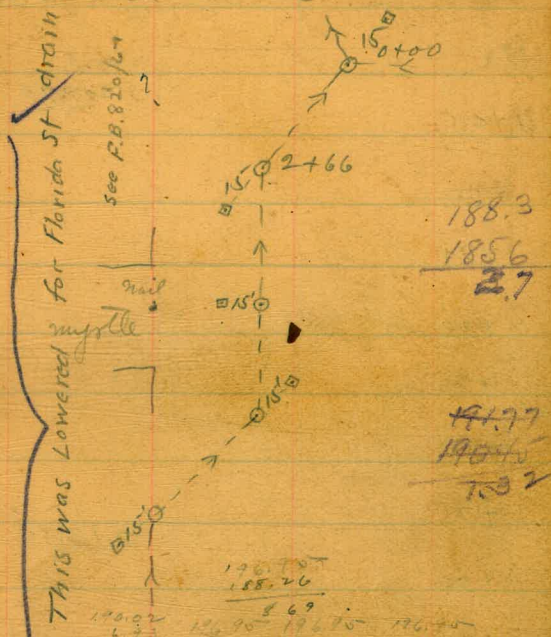
Main canyon line of Florida from
 upas, across to lot line bet. Florida
 canyon to arizonat.
 Sta.

	H.I.	Rod	Cross
0+00 M.H. in city park	198.00	8.52	189.48
+25 No. of upas.		10.1	187.9
+50		8.8	189.2
	202.90		
+75		12.88	190.02
1+00		11.7	191.2
+25		11.6	191.3
+50		10.5	192.4
+75		10.0	192.9
2+00		10.9	192.0
+50		9.9	193.0
+66 M.H. Center		8.63	194.27
+75 Florida & upas.		8.5	194.4
3+00		7.6	195.3
+25		7.0	195.9
+50		6.6	196.3
+75		6.0	196.9
4+00		6.8	196.1

266
 126
 140

M.H. in city park below
 July 6/11
 + Ala. plot line and east ar
 L. L. Little
 Taylor
 Bland

Grade	cut	
183.00	6.5	
183.66	4.2	
184.31	4.9	
184.97	5.0	
185.63	5.6	
186.28	5.0	
186.94	5.5	
187.60	5.3	
188.26	3.7	
189.58	3.4	
190.00	4.3	
190.12	4.3	
190.45	4.9	
190.78	5.1	
191.11	5.2	
191.44	5.5	
191.77	4.3	



190.00	8.69	190.70
188.26	11.32	189.31
190.12	12.64	190.00
190.45		187.70

190.12	188.3
35	1856
186.67	27
190.12	191.77
25	190.45
187.62	1802
18	

See Book ACC P. 72

July 6/11

Lehido
Taylor
Bridges
3

Cont. from page 2

Sta.	H.I.	Rod	Ground	Grade	cut
4+25	<u>202.90</u>	3.8	199.1	192.10	7.0
+50		2.5	200.4	192.43	8.0
+75		0.60	202.30	192.76	9.5
5+00 Spk. bank		7.5	195.4	193.09	2.3
+25		7.3	195.6	193.42	2.2
+50		3.6	199.3	193.75	5.6
+75		2.7	200.2	194.09	6.1
6+00	<u>213.04</u>	13.25	199.79	194.42	5.4
+25		13.4	199.6	194.75	4.9
+43.7 Mt. Center of Myrtle + Florida		12.6	200.4	195.00	5.4
+50		12.8	200.2	195.12	5.1
+75		11.9	201.1	195.57	5.5
7+00		11.8	201.2	196.03	5.2
+25		11.3	201.7	196.48	5.2
+50		10.7	202.3	196.94	5.4
+75		10.2	202.8	197.40	5.4
8+00		9.6	203.4	197.85	5.6

Cont. from page 3

July 7/4

Childs
Taylor
Brinker 4

Sta.	H.I.	Rod	Ground	Grade	cut
8+25	213.04	19.0	204.0	198.31	5.7
+50		8.7	204.3	198.76	5.5
+75		8.3	204.7	199.22	5.5
9+00		7.6	205.4	199.67	5.7
+25		7.1	205.9	200.13	5.8
+50		7.5	205.5	200.58	4.9
+75		7.2	205.8	201.04	4.8
10+00		6.64	206.40	201.50	4.9
+25		6.4	206.6	201.96	4.6
+50		5.8	207.2	202.42	4.8
+75		4.7	208.3	202.88	5.4
+81.5		4.67	208.37	203.00	5.4
11+00		4.9	208.1	203.17	4.9
+25		4.2	208.8	203.40	5.4
+50	222.41	12.65	209.76	203.64	6.2
+75		12.3	210.1	203.87	6.2
12+00		12.5	209.9	204.11	5.8

1081.5
643.7
437.8

1028.5
644.37
437.8

M.H. Center Florida
bet cypress & myrtle

Cont. from page 4

July 7/11 | Childs
Taylor 5
Bunker

Sta.	H.I.	Rod	Ground	Grade	cut
12+25	222.41	12.2	210.2	204.34	5.9
+50		12.5	209.9	204.58	5.3
+75		12.6	209.8	204.82	5.0
+94.3	M.H. alley line bet. Florida & Alabama,	12.47	209.94	205.00	4.9
13+00		12.2	210.2	205.13	5.1
+25		11.6	210.8	205.68	5.1
+50		10.6	211.8	206.23	5.6
+75		9.81	212.60	206.78	5.8
14+00		11.1	211.3	207.34	4.0
+25		9.8	212.6	207.89	4.7
+50		9.5	212.9	208.44	4.5
+75		8.2	214.2	208.99	5.2
15+00		7.6	214.8	209.55	5.3
+20.5	M.H. center of cypress & alley line bet. Flor. & Alabama,	4.4	218.0	210.00	8.0
+25		3.7	218.7	210.10	8.6
+50	231.68	11.11	220.57	210.64	9.9
+75		8.7	223.0	211.17	11.8
16+00		9.0	222.7	211.71	11.0

Sunday

cypress 25'

212.60		
6.70		
219.30	H.I.	220.57
206.23		3.04
13.07		223.61 H.I.
208.44		210.64
10.86		12.97
210.00		
9.30		
211.71		
11.90		

1520
1286
220

Cont. from page 5

July 12/11

Childs
Taylor
Baker 6

Sta	H.I.	Rod	Ground	Grade	cut		
16+25	231.68	6.4	225.3	212.24	13.1	223.47 1.24	213.85
+50		7.2	224.5	212.78	11.7	224.71 H.I. 212.78	10.86
+75		8.2	223.5	213.31	10.2	11.93	214.92 9.79
17+00		8.21	223.47	213.85	9.6	215.99 8.72	217.06 7.65
+25		8.2	223.5	214.38	9.1	218.13 6.58	219.20 5.51
+50		11.3	220.4	214.92	5.5	220.0 4.71	
+75		11.3	220.4	215.45	5.0	230.19 3.23	
18+00		11.6	220.1	215.99	4.1	233.42 220.44	12.98
+25		11.2	220.5	216.52	4.0		
+50		9.9	221.8	217.06	4.7		
+75		9.30	222.38	217.59	4.8		
19+00		7.0	224.7	218.13	6.6		
+25		5.3	226.4	218.66	7.7		
+50		5.0	226.7	219.20	7.5		
+75		8.0	223.7	219.73	4.0		
+87.3		7.55	224.15	220.00	4.1		
20+00		6.05	225.63	220.44	5.2		

M.H. Center alley
bet. Ala. & Florida



14+67.2
15+20.1
466.4

Cont. from page 6

Sta.	H.T.	Rod	Ground	Grade	cut
20+55 old hub	231.68			221.32	
+50		4.5	227.2	222.19	5.0
+75		8.6	228.1	223.06	5.0
21+00		3.2	228.5	223.93	4.6
+25		2.6	229.1	224.81	4.3
+50	242.57	12.32	230.19	225.68	4.5
+75		11.4	231.1	226.55	4.6
22+00		10.4	232.1	227.42	4.7
+25		10.2	232.3	228.30	4.0
+50		9.68	232.93	229.18	3.6
+73.4		8.48	234.03	230.00	4.0
23+00	246.14	11.0	235.1	230.75	4.4
+25		10.2	235.9	231.46	4.4
+50		9.1	237.0	232.16	4.8
+75		7.3	238.8	232.87	5.9
24+00		6.33	239.81	233.57	6.2
+25		6.0	240.1	234.28	5.8

July 12/11
 Shields
 Taylor
 Blumber

233.42 H.T.
 222.19
 11.23 ✓
 223.93 225.68 227.42
 9.49 ✓ 7.74 ✓ 6.00 ✓
 229.18 230.0
 4.24 ✓ 3.42 ✓

M.H. center Alabama
 for 60' street from
 last ride 12.11

Cont. from page 7

July 12/11

Blubb
Taylor
Blubb 8

Sta.	H.I.	Rod	Ground	Grade	cut.
24+50	246.14	6.9	239.2	✓234.98	4.2
+75		7.5	238.6	235.69	2.9
25+00		4.6	241.5	✓236.40	5.1
+25		1.4	244.7	237.11	7.6
+50		1.9	244.2	✓237.81	6.4
+75		3.2	242.9	238.52	4.4
26+00		2.68	243.46	✓239.23	4.3
J.P.	11.82	0.45	245.69	✓240.00	6.3
+273	m.H. center of Mississippi		11.24	246.27	
+50		13.0	244.5	✓240.77	3.7
+75		12.3	245.2	✓241.61	3.6
27+00		11.8	245.7	✓242.45	3.3
+25		9.8	247.7	✓243.29	4.4
+50		7.32	250.19	✓244.14	6.1
+75		6.3	251.2	244.98	6.2
28+00		5.7	251.8	✓245.82	6.0
+25		8.5	249.0	246.66	2.3
+50		5.5	252.0	✓247.51	4.5

July 27/11

Childs
Taylor
Bunker

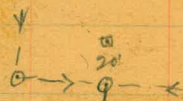
Cont. from page 8

Sta.	H.I.	Rod	Ground	Grade	cut.
28+75	<u>257.51</u>	2.5	255.0	248.35	6.7
129+00		0.03	257.48	249.19	8.3
J.P. +25	4.02 <u>261.50</u>	1.9	259.6	250.04	9.6
1+50		0.7	260.8	250.88	9.9
+75		2.24	259.26	251.73	7.6
1+82.9	M.H. Center of Louisiana 11.95 <u>269.37</u>	4.08	257.42	252.00	5.4
J.P. 30+00		13.3	258.1	252.34	3.8
+25		12.6	256.8	252.84	4.0
V +50		8.72	260.65	253.34	7.3
+75		5.8	263.6	253.84	9.8
31+00		4.5	264.9	254.34	10.6
+25		4.5	264.9	254.84	10.1
+50		9.02	260.35	255.34	5.0
+75		8.2	261.2	255.84	5.4
32+00		7.3	262.1	256.35	5.8
+25		6.8	262.6	256.85	5.8
+50		6.1	263.3	257.35	6.0
+75		8.3	261.1	257.85	3.3

Cont. from page 9

July 27/11
 Colville
 Taylor
 Bunker 10

Sta.	H.I.	Rod	Ground	Sub cut
33700	269.37	7.4	262.0	258.35 3.7
+25		5.8	263.6	258.86 4.7
+32 M.H. Center of Texas		5.60	263.77	259.0 4.8
+50 J.P.	9.41 274.18	4.60	264.77	259.80 5.0
+75		7.9	266.3	260.92 5.4
34700		7.0	267.2	262.03 5.2
+25 not in car pool				263.15
+50		5.7	268.5	264.27 4.2
+75 J.P.	11.29 283.06	24.1	271.77	265.39 6.4
35700		6.6	276.5	266.50 10.0
+25		5.2	277.9	267.62 10.3
+50		6.9	276.2	268.74 7.5
+75		10.0	273.1	269.86 3.2
36700		7.7	275.4	270.97 4.4
+25		4.5	278.6	272.09 6.5
+50		2.23	280.83	273.21 7.6
+67.6 M.H. Center of Arizona		1.20	281.86	274.0 7.9 276.0 5.9



5.56
 280.83
 286.39 H.I.
 274.00
 12.39

274.0
 273.21
 13.18

280.83
 5.56
 286.38 H.I.
 273.21
 13.17

Cont. from page 10

Sta.	H.I.	Red.	Green
J.P. 37+00	10.80	291.63	280.83
+50		11.0	280.6
38+00		8.8	282.8
+50		7.8	283.8
39+00		8.3	283.3
+50		5.4	286.2
40+00		4.00	287.63
+01 M.H. center right turn		2.1	289.5
+50		0.75	290.48
J.P. 41+00	1260	303.48	
+50		11.0	292.5
42+00		10.1	293.4
+50		7.13	296.35
43+00		5.9	297.6
+50		3.0	300.5
+2.14 M.H. center Arizona & Univ. Ave.		22.8	301.20

Aug. 2 / 11

Childs
July
11
Bunker

Grade	cut		
276.78	3.8	286.38 H.I.	277.98
		276.78	8.40
		9.60	279.18
			7.20
277.98	4.8	280.38	281.58
		6.00	4.80
			3.60
279.18	4.6	290.88	
		4.80	
280.38	2.9	295.68 H.I.	
		284.00	285.83
		11.68	9.55
281.58	4.6	289.57	291.44
		6.11	4.24
282.78	4.8		293.31
			2.37
283.98	5.2		
284.50	5.5		
285.83	5.1		
287.70	4.8		
289.57	3.8		
291.44	4.9		
293.31	4.3		
295.19	5.3		
296.00	5.2		

Seiver center alabama from
to center miss ave.

Sta. M.H. bottom of H.I. Rod Grained
0+00 12.50 245.63 232.83
Campus & center
Alabama.

+25 12.2 233.4

+50 5.0 240.6

J.P. 12.84 257.81 0.66 244.97

+75 10.4 247.4

1+00 6.76 251.05

+30 M.H. 2.7 255.1

+50 0.55 257.26

J.P. 11.02 268.28

+75 8.4 259.9

2+00 6.5 261.8

+25 5.4 262.9

+50 4.9 263.4

+75 4.9 263.4

3+00 5.05 263.23

+25 4.9 263.4

+50 5.1 263.2

+75 5.5 262.8

4+00 5.7 262.6

bottom of campus SO. of Landis
North Aug. 7/11 12
Taylor
Bunker

Grade cut

230.00

232.69 0.7

235.38 5.2

238.07 9.3

240.77 10.2

244.00 11.1

244.41 12.9

244.91 15.0

245.42 16.4

245.92 17.0

246.43 17.0

246.93 16.5

247.44 15.8

247.94 15.5

248.45 14.8

248.95 13.9

249.46 13.1

230.19

11.18

241.37 H.E.

235.38

5.99 V

257.26

10.14

267.40 H.I.

7.05

260.35

244.91

15.44 V

257.26

10.14

267.40 H.I.

7.05

260.35

244.91

15.44 V

257.26

10.14

267.40 H.I.

7.05

260.35

244.91

15.44 V

257.26

10.14

267.40 H.I.

7.05

260.35

244.91

15.44 V

257.05

1.93

252.98 H.E.

240.77

12.21 V

4.76

251.05

255.81 H.E.

244.00

11.81 V

257.05

1.93

252.98 H.E.

240.77

12.21 V

4.76

251.05

255.81 H.E.

244.00

11.81 V

257.05

1.93

252.98 H.E.

240.77

12.21 V

4.76

251.05

255.81 H.E.

244.00

11.81 V

257.05

1.93

252.98 H.E.

240.77

12.21 V

Page 228
check

Sept. 11
Taylor
Bunker

Cont. from page 12

Sta.	H.I.	Rod	Ground
4+25	268.28	6.5	261.8
+50		6.9	261.4
+75		7.3	261.0
5+00		8.1	260.2
+25		7.9	260.4
+50		8.48	259.80
+75		9.5	258.8
6+00		12.9	255.4
+24		10.4	257.9
+50		9.2	259.1
+75		8.3	260.0
7+00		6.80	261.48
J.P.	11.12	272.60	
+25		10.8	261.8
+50		10.5	262.1
+75		10.4	262.2
8+00		9.7	262.9
+25		9.4	263.2

M.H. Center
Wrightman

265.57 B.M.

aug 10/41

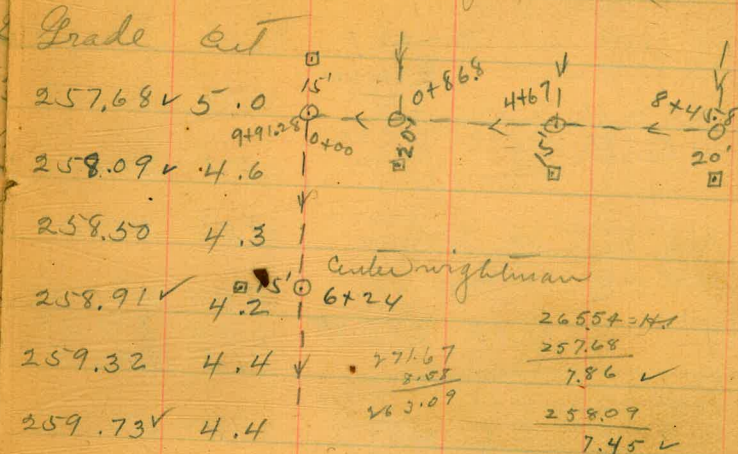
J Childs
Taylor
Bunker 13

Grade	cut				
249.97	11.8	415	1450	4475	265.54
		265.54	265.54	265.54	252.00
		249.97	250.49	250.98	13.54
		15.57	15.06	14.56	
		510	26554	265.54	252.50
		65.59	4.04	251.49	13.04
		51.49	26.150	14.05	
		14.05		740	253.51
				265.54	12.03
				254.00	8.00
				254.92	265.54
				11.54	256.08
				11.12	9.49
				10.30	256.87
					5.67
250.98	10.0				
251.49	8.7				
252.90	8.4				
252.50	7.3				
253.00	5.8				
253.51	1.9				
254.00	3.9				
254.42	4.7				
254.83	5.2				
255.24	6.2				
255.65	6.2				
256.05	6.1				
256.46	5.7				
256.87	6.0				
257.28	5.9				

Cont. from page 13

Sta.	H.S.	Road Ground	Grade cut
8+50	272.60	9.9 262.7	257.68 ✓ 5.0
+75		9.9 262.7	258.09 ✓ 4.6
9+00		9.8 262.8	258.50 4.3
+25		9.5 263.1	258.91 ✓ 4.2
+50		8.93 263.67	259.32 4.4
+75		8.5 264.1	259.73 ✓ 4.4
+91.28 m.H. center line avt.		7.50 265.10	260.00 5.1

Helvids
Taylor
Bunker 14
Aug. 9/11



265.57	271.67	271.67	271.67
6.10	59.73	260.00	
271.67	11.94	11.67	
59.91			
12.76	271.67		

Univ. ave. River from center
to center alley bet. Louisiana & Texas.

Sta.		H.T.	Road	Ground
0+00	M.H. center Alabama at South Quinn Ave.	272.60	7.58	265.10
+50			6.1	266.5
+86.8	M.H. Center alley bet. Alabama & Mississippi		3.98	268.62
1+00			2.90	269.70
J.P.	11.87	284.19	0.28	272.32
+50			11.3	272.9
2+00			7.99	276.20
+50			5.1	279.1
3+00			2.9	281.3
+50			0.85	283.34
J.P.	12.49	295.83		
4+00	46.7		10.2	285.6
+50			7.8	288.0
+67	M.H. Center alley bet. Miss. & Louisiana.		7.25	288.58
5+00			5.6	290.2
+50			3.2	292.6
6+00			0.69	295.14
J.P.	11.35	306.49		
+50			9.3	297.2
7+00			7.2	299.3

Alabama on South
Aug 9/11

Chilts
Taylor
15
Brinker

Grade	Cut				
260.00	5.1	271.67	271.67	271.67	71.67
		1.74	262.96	62.46	64.28
		269.73		9.21	7.39
		10.10		M.H.	6.75
262.46	4.0	280.03	280.03	280.03	289.24
		67.38	69.24	72.20	5.98
		12.65	10.19	7.73	283.26
264.28	4.3	290.03	289.24	289.24	289.24
		0.8470	74.76	77.22	79.68
		279.19	4.98	12.02	9.56
		10.05			7.09
264.92	4.8	289.12	289.24		
			283.00		
267.38	5.5				
269.84	6.4	283.15	295.90	95.90	95.90
		14.75	83.40	84.42	86.07
		295.90	12.90	11.68	9.93
		0.90			7.98
272.30	6.8	295.00			
		7.68			
274.76	6.5	302.68	302.68		
		29.77	291.61		
		12.9			11.07
277.22	6.1				
279.68	5.9				
282.15	5.9				
283.00	5.6				
284.22	6.0				
286.07	6.5				
287.92	7.2				
289.77	7.4				
291.61	7.7				

cont. from page 15.

Blundo
Taylor 16
Bunker
Aug. 9/11

Sta	H.I.	Rod	Ground	Grade	cut				
7+50	<u>306.49</u>	5.03	301.46	293.46	8.0	312.98 - 0.65	306.53	306.53	306.53
8+00		2.5	304.0	295.31	8.7	313.63 - 8.10	293.46	295.31	297.00
+45.8		0.62	305.87	297.00	8.9	305.53 - 1.00	13.07	11.24	9.53
+45.8 M.H. Center alley bet. Louisiana & Texas,						306.53 H.I.			

Sewer line in alley bet. Texas &
center of mid-ave. to center Polk.

Arizona from

Aug. 10/11

Lehidas
Taylor
Bull 17

Sta.	H.I.	4.I.	Rod	Ground	Grade	cut		
0+00	8.15	309.95	5.64	304.31	299.00	5.3	308.97 3.79 312.76 H.I. 300.77 17.99	301.35 11.41 303.27 12.72 304.60 11.39 308.57 7.42 312.48 11.05
+50			3.3	306.6	299.59	7.0	302.53 10.23 307.25 8.74	305.92 10.07 309.90 6.09 311.22 4.77
1+00			0.9	309.0	300.18	8.8		
+50			0.98	308.97	300.77	8.2	316.20 7.33	
J.P. 2+00	8.78	317.75	8.5	309.3	301.35	8.0	323.53 312.00 11.53	
+50			7.7	310.1	301.94	8.2		
3+00	5		7.0	310.8	302.53	8.3		
+40	m.H.		6.8	311.0	303.00	8.0		
+50			6.8	311.0	303.27	7.7		
4+00			6.20	311.55	304.60	7.0		
+50			5.1	312.7	305.92	6.8		
5+00			4.7	313.1	307.25	5.9		
+50			3.6	314.2	308.57	5.6		
6+00			2.6	315.2	309.90	5.3		
+50			1.55	316.20	311.22	5.0		
J.P. +79.38	12.69	328.89	11.8	317.1	312.00	5.1		
m.H. center Lincoln			11.6	317.3	312.48	4.8		
7+00								

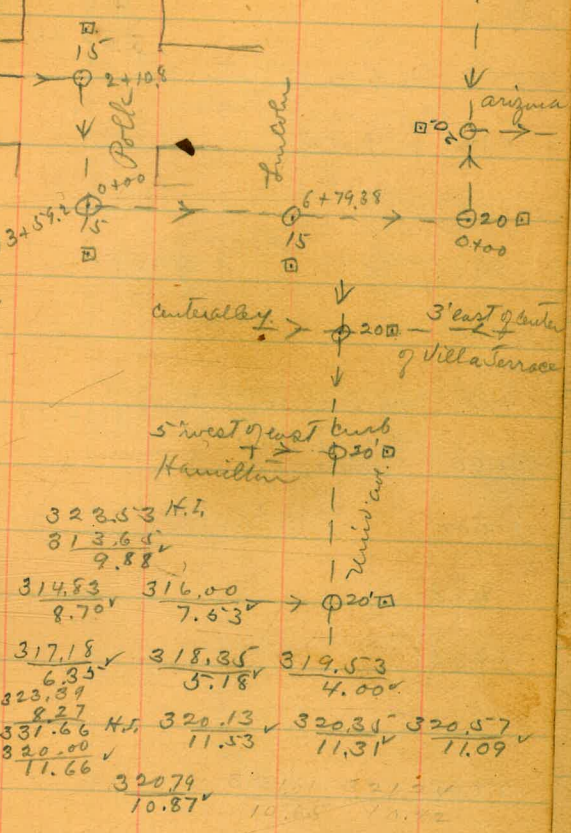
IM

cont. from page 17

Sta.	H.I.	Rod	Ground	Grade	cut	
7+50	328.89	10.2	318.7	313.65	5.1	
8+00		8.1	320.8	314.83	6.0	
+50		7.2	321.7	316.00	5.7	
9+00		5.50	323.39	317.18	6.2	13+59.2
+50		4.1	324.8	318.35	6.5	
10+00		3.1	325.8	319.53	6.3	
+20 M.H.		3.0	325.9	320.00	5.9	
+50		2.4	326.5	320.13	6.4	
11+00		2.0	326.9	320.35	6.6	323.53 H.I. 813.65 9.88
+50		1.4	327.5	320.57	6.9	314.83 8.70 316.00 7.63
12+00		1.6	327.3	320.79	6.5	317.18 6.33 318.35 5.18 319.53 4.00
+50		1.09	327.80	321.01	6.8	323.39 8.27 331.66 H.I. 320.00 11.66 320.13 11.53 320.35 11.31 320.57 11.09
J.P. 13+00	4.93	332.73				320.79 10.87
+50		5.1	327.6	321.24	6.4	
+50		5.25	327.48	321.46	6.0	
✓ +59.2 M.H. Center pole		5.21	327.52	321.50	6.0	

Aug. 10/11
Chields
Taylor
B. 18

alley →

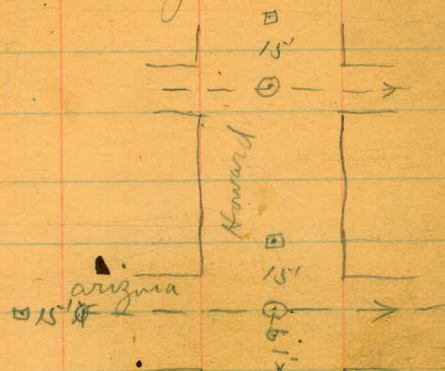


Server. line from M.H. Center alley bet
 Polk to 21' east of center

Arizona + Texas + Polk east on
 Aug 11/11
 To alley bet. Howard + Ellajun

Colville
 Taylor
 19
 Bunker

Sta.	H.I.	Rod	Ground	Grade	cut.
0+00	332.73	5.21	327.52	321.50	6.0
+50		4.5	328.2	321.75	6.5
1+00		4.6	328.1	322.00	6.1
+50		4.3	328.4	322.25	6.2
2+00		3.67	329.06	322.51	6.6
+10.8	334.61	3.52	329.21	322.57	6.6
+50		5.6	329.0	322.76	6.2
3+00		5.6	329.0	323.01	6.0
+50		5.3	329.3	323.26	6.0
4+00		5.1	329.5	323.52	6.0
+50		4.9	329.7	323.77	5.9
5+00		4.76	329.85	324.03	5.8
+50		4.3	330.3	324.28	6.0
6+00		4.7	329.9	324.53	5.4
+50		4.6	330.0	324.78	5.2
7+00		4.5	330.1	325.04	5.1
+50		4.4	330.2	325.30	4.9



Pages 272-73

cont. from page 19

Sta.	H.I.	Rod	Ground	Grade	Cut
8+00	334.61	4.1	330.5	325.55	5.0
+50		3.85	330.76	325.80	5.0
J.P. +88.85 m.H., center Howard.	6.33 337.09	5.7	331.4	326.00	5.4
9+00		6.4	330.7	326.11	4.6
+50		5.5	331.6	326.62	5.0
10+00		4.8	332.3	327.13	5.2
+50		4.3	332.8	327.64	5.2
+85 F.S.		3.6	333.5	328.00	5.5

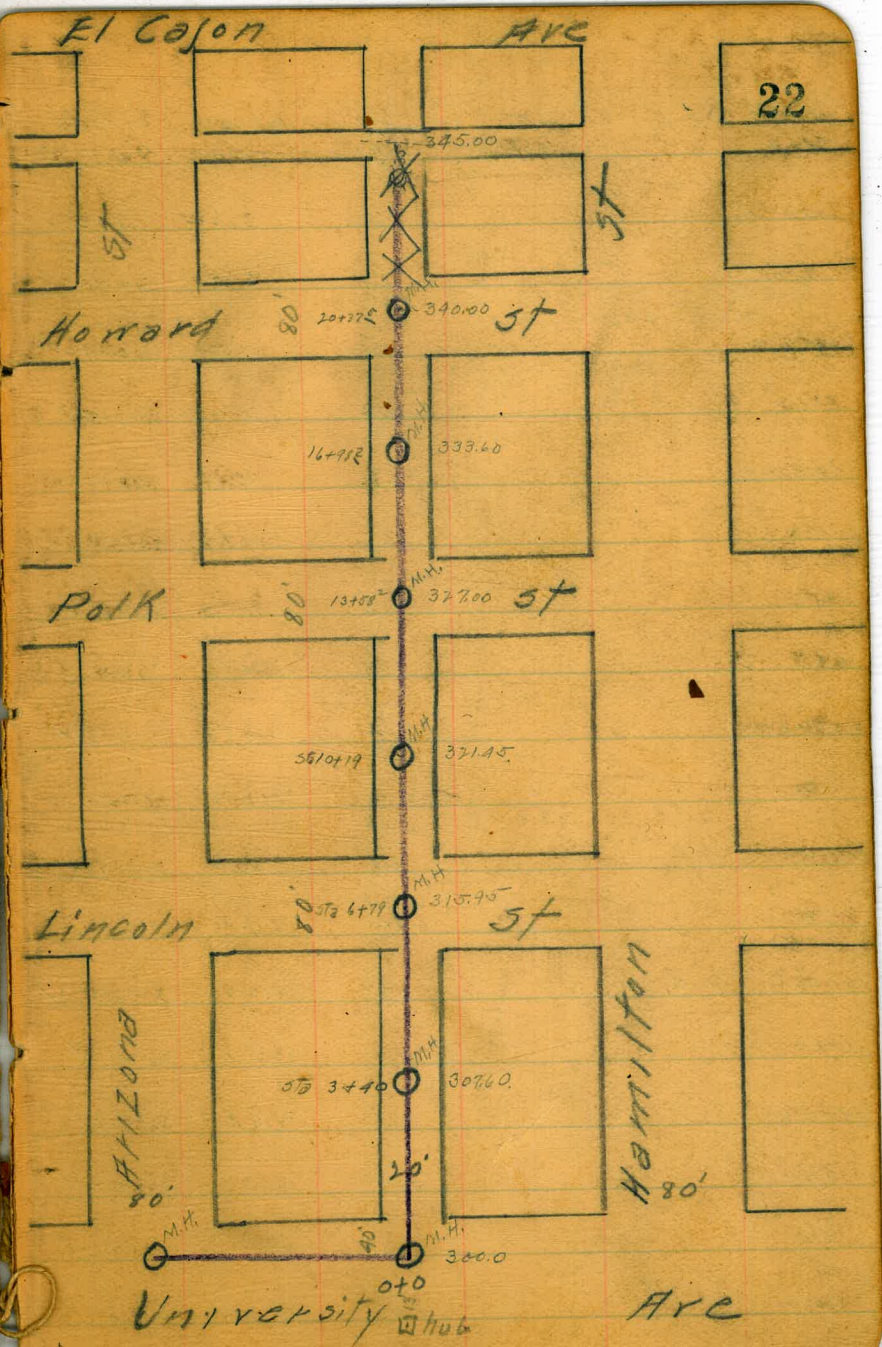
322.10
aug 19/11
6/28
Blair
Taylor
20
Bunker

21

General notes see page 22

7/18/19
 Drunkle
 Evans
 Johnson

Sta	+ R	H.I.	- R	Elevation	Grade	cut
B.M. N.Y. Arizona Univ. RR. SPK				301.80		
B.M.	9.96	311.76				
0+0			7.3	304.25	300.00	4.25
0+50	<u>IM</u>		6.6	305.2	301.12	4.08
1+0			6.1	305.7	302.24	3.46
50		b	4.3	307.5	303.6	3.9
2+0			2.65	307.11	304.48	2.63
50			1.4	310.4	305.0	5.4
T.P.	10.11	320.42	1.45	310.31		
3+0			8.8	311.6	306.70	4.9
2+90-M.H.			7.6	312.5	307.60	4.9
3+50			7.4	313.0	307.85	5.15
4+0			6.1	314.3	309.08	5.22
4+50			4.9	315.5	310.31	5.19
5+0			3.5	316.9	311.54	5.36
50			2.9	317.5	312.77	4.73
6+0			2.0	319.4	314.00	5.4
6+50			0.7	319.7	315.23	4.53
T.P.	11.07	330.74	0.72	319.70		
6+79-M.H.			4.3	326.4	315.75	10.65
7+0			10.0	320.7	312.24	8.46
7+50			8.1	322.0	312.10	9.9



	+ R	H.I	- R	Elevation	Grade
8+0		330.74	7.92	322.92	317.91 ✓
50			6.8	323.9	318.72 ✓
9+0			6.1	324.6	319.53 ✓
50			5.3	325.4	320.39 ✓
10+0			4.6	326.1	321.15 ✓
10+19=M.H.			3.9	326.8	321.45 ✓
10+50			3.5	327.2	321.95 ✓
11+0			2.3	328.4	322.76 ✓
50			1.9	328.8	323.58 ✓
12+0			1.4	329.3	324.90 ✓
50			0.4	330.3	325.22 ✓
T.P.	8+58	338.89	0.43	330.31	325.12+50
13+0			2.8	330.9	326.09 ✓
50			7.0	331.9	326.86
13+53.2	M.H.		6.8	332.1	327.00 ✓
14+0			6.0	332.9	327.81 ✓
14+50			5.6	333.3	328.75 ✓
15+0			5.76	333.13	329.70 ✓
50			5.0	333.9	330.72 ✓
16+0			4.0	334.9	331.69 ✓

cut					
5.0	322.92 7.70	330.62	M.H. 9750	10400	M.H. 10250
5.2	319.53	320.34	321.15	321.45	321.95
5.1	11.09	10.28	9.47	9.17	8.67
5.0	11+00	11+50	12+00	12+50	
5.2	322.76	323.58	324.40	325.22	
5.1	7.86	7.04	6.22	5.40	
5.1	330.31 7.84	338.19	M.H. 13+50	14+00	14+50
5.1	326.04	326.86	327.00	327.81	328.78
5.1	12.15	11.33	11.19	10.38	9.41
5.0	15+50	16+00	16+50		
5.4	330.72	331.69	332.66	333.60	335.45
5.3	7.47	6.50	5.53	4.59	2.79
5.6					
5.2					
4.9					
5.1					
4.9					
5.0					
5.1					
5.1					
4.5					
3.2					
3.2					

23

316

	L.R.	H.F.	- R.	Elev.	Grade
16+50		338.89	3.9	335.0	332.66 ✓
T.P.	10.79	346.24	3.44	335.45	
16+98.2	M.H.?		10.2	336.0	333.60 ✓
17+50			9.2	337.0	334.57 ✓
18+0			8.9	337.3	335.51 ✓
50			7.2	338.0	336.45 ✓
19+0			5.7	340.5	337.39 ✓
50			3.57	342.67	338.33 ✓
T.P.	6.3	348.80	3.57	342.67	
20+0			4.0	344.9	339.28 ✓
20+37.5	M.H.		2.7	346.2	340.00 ✓
	10.86	353.53			
+50			7.8	345.7	340.36 ✓
21+00			7.05	346.48	341.76
+50			5.5	348.0	343.16
22+00			4.9	348.6	344.57
+15	P.S.		3.4	350.1	345.00

cut

- 2.3
- 2.4
- 2.9
- 1.8
- 2.6
- 3.1
- 4.3
- 5.6
- 6.2
- 5.4
- 4.7
- 4.8
- 4.0
- 5.1

338.19
342.67
5.52

343.98
342.67
1.81

338.19 M.H.
3.16
335.03
8.75
343.98

24

343.98 M.H.
333.60 M.H.
10.38 ✓

17+50 18+00 18+50 8.75
334.57 335.51 336.45 337.39
9.41 ✓ 8.47 ✓ 7.53 ✓ 6.59 ✓

19+00
338.33
5.65 ✓
9"

343.98 M.H.

1.30
342.67
7.12

349.79
339.28
10.51 ✓

340.00
9.79

342.67
9.29

351.96 M.H.
339.28

12.68 = 20+00

340.00
11.76 = M.H. ✓

340.35
11.61 ✓ 20+50

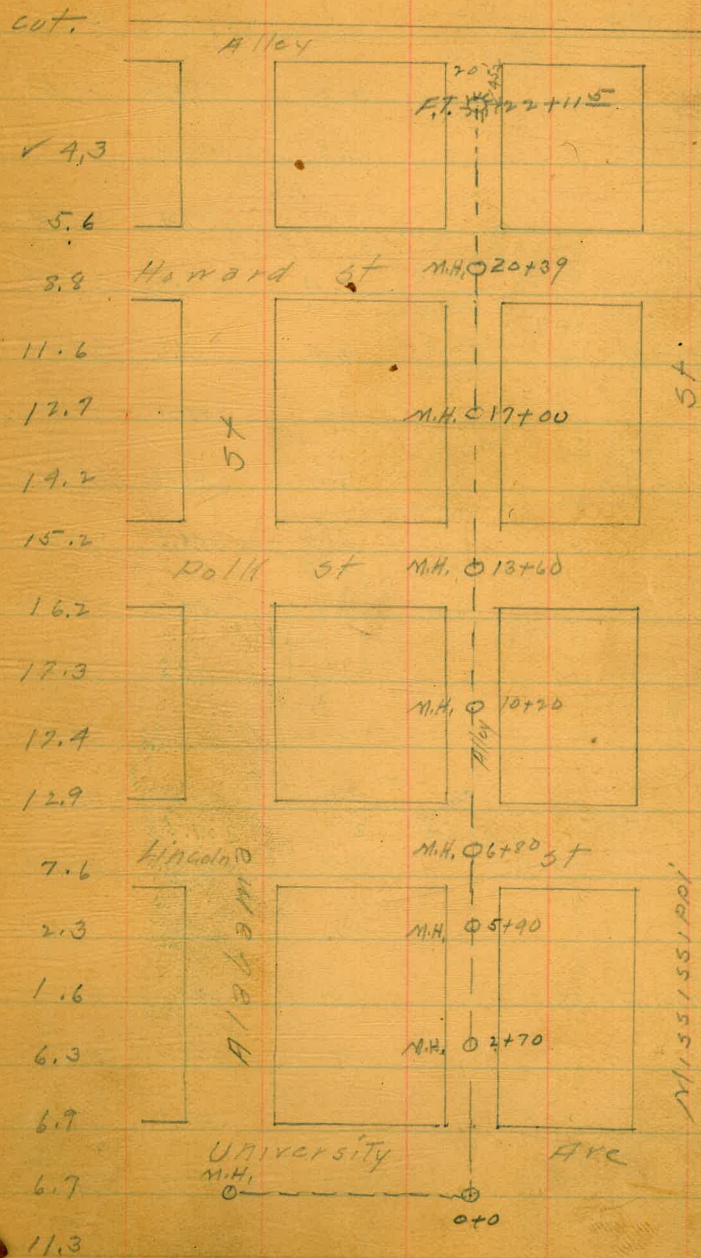
341.76
10.20 ✓ 21+00

343.16
8.80 ✓ 21+50

344.57
7.39 ✓ 22+00

345.00
6.96 = 22+15

Sta	+R	H.I.	-R	Electro	Stations	Grade
B.M. Mon	M.E. Cox	Alabama University				265.57
13+0	9.85	275.42				
0+0			6.8	268.6	269.25	
50			5.3	270.1	269.53 ✓	
1+0			1.8	273.6	269.75 ✓	
T.P.	12.77	297.92	0.27	275.15		
50			11.3	276.6	265.03 ✓	
2+0			9.95	278.0	265.28 ✓	
50			8.2	279.7	265.53 ✓	
70=M.H.			7.1	280.8	265.63 ✓	
3+0			5.9	282.0	265.75 ✓	
50			4.6	283.3	265.93 ✓	
4+0			4.2	283.7	266.35 ✓	
50			8.5	279.4	266.53 ✓	
T.P.	5.93	280.90	12.95	274.97		
5+0			6.59	274.4	266.75 ✓	
5+40=M.H.			16.60	269.3	267.05 ✓	
5+50			11.0	269.9	268.29 ✓	
T.P.	12.86	293.48	0.28	280.62		
6+0			12.5	281.0	274.71 ✓	
6+50			5.5	288.0	286.19 ✓	
6+80=M.H. of Lincoln			1.8	291.7	285.00 ✓	
T.P.	11.08	304.00	0.56	292.72		
7+0			7.2	276.8	285.53	



	+ R.	H.I.	- R.	top stakes	Grade	cut
7450		304.00	9.79	294.2	286.95 ✓	7.4
870			7.8	296.2	288.18 ✓	8.0
50			6.6	297.9	289.50 ✓	7.9
940			5.4	298.6	290.83 ✓	7.8
50			4.4	299.6	292.16 ✓	7.4
1020			3.6	300.4	293.48 ✓	6.9
10750 = M.H.			3.3	300.7	294.00 ✓	6.7
10750			3.5	300.5	294.26 ✓	6.2
1140			3.9	300.1	294.70 ✓	5.4
50			3.2	300.8	295.14 ✓	5.6
1210			2.2	301.8	295.58 ✓	6.2
12150			2.31	301.69	296.02 ✓	5.7
T.P.	5795	307.64	2.31	301.69		
1370			6.2	301.4	296.46 ✓	4.9
13750			6.1	301.5	296.90 ✓	4.6
13760 = M.H. OF F.O.H.			5.6	302.0	297.00 ✓	5.0
1470			4.5	303.1	297.18 ✓	5.8
50			5.6	302.0	297.40 ✓	4.6
1570			5.5	302.1	297.62 ✓	4.5V
50			5.1	302.8	297.84 ✓	4.74

301.69 = B.M.		
4.53		
306.22 = H.I.		
294.26		
11.96	306.22	
	294.70	
	11.52 ✓	
306.22	306.22	306.22
295.14	295.58	296.02
11.08 ✓	10.64 ✓	10.20 ✓
306.22	306.22	306.22
286.46	296.90	297.00
9.76 ✓	9.32	9.22
306.22	306.22	306.22
297.18	297.40	297.62
9.04 ✓	8.82 ✓	8.60
306.22		
4.10		
302.12 = T.P.		
5.60		
307.72 = H.I.		
297.84	307.72	
9.88 ✓		

16+0	307.64	4.8	302.8	298.06 V	4.75
50		4.7	302.9	298.25 V	4.6 V
17+0 = M.H.		3.3	304.3	298.50 V	5.8 V
50		4.1	303.5	298.73 V	4.8 V
18+0		3.1	304.5	298.90 V	5.6 V
50		3.5	304.1	299.17 V	4.9 V
19+0		3.12	304.52	299.39 V	5.15
50		3.3	304.3	299.61 V	4.7 V
T.P.	6.5 V	3.25	309.36		
20+0	310.88	6.4	304.5	299.54 V	4.7 V
20+39 ct. Howard,		6.0	304.9	200.0 V	4.9 V
50		5.3	305.6	200.12 V	5.5
21+0		4.6	306.3	200.67 V	5.5
50		3.0	307.9	301.22 V	6.7
22+0		3.2	307.7	301.77 V	5.9
22+11.5 = F.T. 45' S of S.W. of E 8th Alley		3.1	307.8	301.90 V	5.9

307.72
3.20
 304.52

307.72 H.T.
298.06
 9.66 V 307.72
298.28
 9.44 ✓

307.72 307.72 307.72 307.72
298.50 298.73 298.95 299.17
 9.22 V 8.99 V 8.77 V 8.55 V

307.72 307.72
297.89 299.61 307.72
 8.83 V 8.11 V 299.84
 7.88

304.52
4.47
 309.01 H.T. 309.01 309.01
299.84 300.00 300.12
 9.17 V 9.01 V 8.89 V

309.01 309.01
300.67 301.22
 8.34 V 7.79 V

309.01 309.01
301.77 301.90
 7.24 V 7.11

309.01
2.69
 306.32

Sewer line alley bet. Mississippi
from center Univ. ave. to alley bet.

Sta.	H.I.	Rock	Granite
0+00	298.48	9.90	288.58
+50		7.1	291.4
1+00		6.5	292.0
+50		6.2	292.3
2+00		6.07	292.41
+50		5.7	292.8
3+00		4.9	293.6
+50		4.8	293.7
4+00		4.4	294.1
+50		3.78	294.70
5+00		3.0	295.5
+50		2.5	296.0
6+00		2.5	296.0
+50	5.79	4.58	293.90
5.R	299.69		
+79.6		4.7	295.0
7+00		6.98	292.71
+30		13.5	286.2

+ Saisana
Eleazar + Howard

Aug 29/11

J. Shields
Taylor
Blacker
28

Grade	cut	294.70 - 304.10	Howard
283.00	5.6	3.30	
283.20	8.2	298.00 = H.I.	
283.40	8.6	284.60	
283.60	8.7	13.40	
283.80	8.6	298.00	Polk
284.00	8.8	284.80	
284.20	9.4	13.20 ✓	
284.40	9.3	298.00	
284.60	9.5	285.20	
284.80	9.9	12.80 ✓	Lincoln
285.00	10.5	298.00	
285.20	10.8	285.60	
285.40	10.6	12.40	6x
285.60	8.3	298.00	
285.72	9.3	285.72	3+00
285.80	6.9	12.28 ✓ M.H.	
285.92	0.3	298.00	Univ. Ave
		285.80	0+00
		12.20 ✓	
		298.00	298.00
		285.92	
		12.08 ✓	

cont. from page 28

Sta.	H.I.	Rod	Ground	Grade	cut
7+75	299.69	14.0	285.7	286.10	-0.4
8+00 break in grade		10.13	289.56	286.20	3.4
+50		5.7	294.0	287.52	6.5
9+00		3.2	296.5	288.84	7.7
+50		1.59	298.10	290.16	7.9
J.P.	11.62	309.72			
10+00		10.0	299.7	291.48	8.2
+20 m.H.		9.6	300.1	292.00	8.1
+50		8.6	301.1	292.80	8.3
11+00		6.73	302.99	294.12	8.9
+50		6.0	303.7	295.45	8.3
12+00		5.11	304.61	296.77	7.8
+50		3.6	306.1	298.10	8.0
13+00		1.88	308.34	299.42	8.9
J.P.	12.95	321.29			
+50		11.5	309.8	300.75	9.1
+59.5 m.H. center pole		11.2	310.1	301.20	9.1
14+00		8.5	312.8	301.89	10.9
+50		7.26	314.03	302.99	11.0

Aug. 29/11
 Chills
 Taylor
 B. 29

298.00 K.T.

289.56	297.12	297.12	297.12	297.12	297.12
2.56	286.70	286.20	287.52	287.52	287.52
297.12	11.02	10.9	9.60	8.28	
297.12	297.12	297.12	297.12	297.12	297.12
290.16	291.98	292.00	292.50	294.12	294.12
6.96	5.64	5.12	7.13	3.00	11.00
297.12					
297.12					
308.80	308.80	308.80			
309.61	296.97	98.70			
4.19	12.03	10.70			
308.80					
295.45	313.70	313.70			
13.35	300.75	301.00			
308.34	12.95	12.70			
5.36					
313.70					

Cont. from page 29.

Sta.	H.I.	Rod	Ground
15+00	321.29	5.3	316.0
+50		5.3	316.0
16+00		2.38	318.91
+50		2.7	318.6
17+00 M.H.		3.1	318.2
+50		2.96	318.33
J.P.	12.83	331.16	
18+00		11.5	319.7
+50		11.0	320.2
19+00		9.9	321.3
+50		7.69	323.47
20+00		9.4	321.8
+38.25 M.H. Center Howard		6.5	324.7
+50		6.56	324.60
21+00		5.6	325.6
+50		4.3	326.9
22+00		2.32	328.84
+15 J.S.		1.6	329.6

326.41
5.20
321.21
316.01
93

aug. 30/11
Bluffs
Taylors
Bunker

Grade	Cut
304.09	11.9 ✓
305.19	10.8 ✓
306.29	12.6 ✓
307.39	11.2 ✓
308.50	9.7 ✓
309.61	8.7 ✓
310.72	9.0 ✓
311.83	8.4 ✓
312.93	8.4 ✓
314.04	9.5 ✓
315.15	6.7 ✓
316.29	8.7 ✓
316.60	8.0
319.15	6.5 ✓
321.69	5.2 ✓
324.24	4.6
325.00	4.6

318.91
3.09
322.00 M.H.
319.54
307.39
11.15

322.00 322.00 322.00
3.46 308.50 309.61
13.50
12.39

318.33
8.08
326.71 M.H.
326.00 322.00
318.72 311.83
11.28 10.17

326.41 326.41 326.41
314.84 315.15 316.00
12.37 11.26 10.41

326.41 326.41 326.41
314.80 319.15 321.68
9.81 7.26 4.72

328.84
3.92
332.76 M.H.
29.29 328.20
8.52 7.76

Alley between Louisiana & Texas

Sto	+R	H.L.	-R	Estimated	State
0+0	196	314.94	7.2	305.7	297.00
0+50			4.9	310.0	297.23 ✓
0+75			5.0	309.9	297.35 ✓
1+25			4.8	310.1	297.59 ✓
1+50			4.6	310.3	297.70 ✓
2+0			4.7	310.2	297.94 ✓
2+50			4.7	310.2	298.17 ✓
3+0			4.2	310.2	298.41 ✓
3+25			4.4	310.5	298.60 ✓
4+50	4.52	315.13	4.33	310.61	298.65 ✓
4+75			5.10	310.0	298.88 ✓
5+50			5.6	308.5	299.11 ✓
6+0			6.2	308.9	299.35 ✓
6+50			5.7	309.4	299.59 ✓
6+75			5.0	310.1	299.82 ✓
6+99			4.6	310.5	300.06 ✓
7+0			6.5	308.6	300.20 ✓
7+25			3.9	311.2	300.25 ✓
7+50			3.69	311.94	300.48 ✓

cut, 4/16	M.H.O.	STX
8.7	31294 M.H.O. 1.24 314.22 297.23 16.99 ✓	31194 2.20 313.64 M.H.O. 298.88 14.76 ✓
12.0	314.22 297.35 16.87 ✓	313.64 299.35 14.29 ✓
12.6		
12.5		
12.6	Howard M.H.O. 306.006	5+ 313.64
12.3	314.22 297.59 16.63 ✓	5+ 313.64 299.59 14.05 ✓
12.0	314.22 M.H.O. 164993 297.70 16.52 ✓	313.64 299.72 13.82 ✓
12.3		
11.9		
12.0	P.O.M. M.H.O. 303.006	5+ 313.64 300.06
17.1	314.22 298.60 15.62 ✓	311.44 4.34 315.78 300.48 15.30
18.4	314.22 298.17 16.05 ✓	313.64 300.25 13.44 ✓
9.5	314.22 298.65 15.57 ✓	313.64 300.28 13.36 ✓
9.0		
10.3	314.22 298.58 15.64 M.H.O. 300.26	5+ 313.64 300.28 13.16
10.4		
9.4		
10.9		
11.0		

University M.H.O. Alley

315.13

8+0			3.2	311.9	300.69
8+50			3.3	311.8	300.89
9+0			3.5	311.6	301.09
9+50			3.12	312.01	301.20
T.P.	4.61	316.62	3.12	312.01	
10+00			4.6	312.0	301.80
10+19 1/2 M.H.			4.4	312.2	301.89
10+50			5.2	311.4	301.71
11+0			5.6	311.0	301.91
11+50			5.2	311.4	302.12
12+0			5.4	311.2	302.32
12+50			5.4	311.2	302.53
13+00			5.5	311.1	302.73
13+50			5.0	311.6	302.94
13+59 1/2 M.H. & Pol/K.			5.4	311.2	303.00
14+0			5.9	310.7	303.18
14+50			6.3	310.3	303.40
15+0			6.15	310.47	303.62
15+50			5.7	310.7	303.84
16+0			7.5	309.1	304.06
16+50			7.2	309.4	304.28

315.78
311.50
4.3

315.78
3.25
309.43

315.78
9.90
305.88

315.78
3.79
311.99

32

11.2	315.78 M.T.	315.78	315.78
	300.69	300.59	301.09
	15.09	14.89	14.69
10.9			
10.5	315.78	315.78	315.78
	301.30	301.50	301.58 M.T.
	14.48	14.28	14.20
10.7			
10.5	315.78	315.78	315.78
	301.71	301.91	302.12
	14.07	13.87	13.66
10.6	310.47 = 8 M.		
	4.60		
9.7	315.07 - M.T.		
	302.53		
	12.54		
9.1		315.07	315.07
		302.73	302.94
		12.34	12.13
9.3			
9.9	315.07	315.07	315.07
	303.18	303.40	303.62
	11.89	11.67	11.45
9.7			
9.4	315.07	315.07	315.07
	304.06	304.28	
	11.01	10.79	
9.7			
8.2		310.47	
		305	
		313.52 M.T.	
		304.06	
7.5		9.46	313.52
	313.52		304.28
6.9			9.24
6.8			
6.9			
5.0			
5.1			

	316.62				
16+99 ³ = M.H.		7.49	309.13	304.50	✓ 4.6
T.P.	11.71	7.49	309.13		
17+50		11.8	309.0	304.72	✓ 4.3
18+0		11.5	309.3	304.94	✓ 4.4
18+50		9.7	311.1	305.16	✓ 5.9
19+0		7.8	313.0	305.38	✓ 7.6
19+50		8.9	311.9	305.60	✓ 6.3
20+0		7.6	313.2	305.82	✓ 7.4
20+33 ³ = M.H. & Howard		3.0	317.8	306.00	✓ 11.8
20+50		2.68	318.16	306.05	12.1
20+70				306.13	
21+0		5.8	315.0	306.27	8.7 ✓
21+50		5.5	315.3	306.49	8.8 ✓
22+0		6.1	314.7	306.71	8.0
22+50		5.32	315.2	306.93	8.6 ✓
22+65 ¹⁹				307.00	

306.74
306.75
04
306.25
22

315.07 315.07
304.50 304.72
10.57 10.35

313.52 M1 313.52 21352
304.50 304.72 304.94
9.02 ✓ 8.80 ✓ 8.58 ✓
313.52 313.52 313.52
305.16 305.38 305.60
8.36 ✓ 8.14 ✓ 7.92 ✓

313.52 313.52 313.52
305.82 306.00
7.70 ✓ 7.52

315.52
5.95
321.47 M1
306.00
15.47 ✓

321.47 315.52 M1
306.27 4.96
15.20 320.48 M1
1.8 307.00
15.33 13.48

315.52
5.66
321.18 M1.

19.31
18.16
1.15

19.31
315.52 BM
3.29
319.31 M1
305.93
12.38 ✓

19.31
6.49 ✓
12.82 ✓

19.31
6.27 ✓
13.04 ✓

315.52
3.97
319.49 M1
306.75
12.74

19.49
6.44
13.00

19.49
6.52
12.67

Sewer line 5' west of east curb of
 of Minn. ave. to Polk.

Sta.		H.I.	Rod	Inverted
J.P.	10.68	322.19		311.51
0+00			12.3	309.9
+50			11.2	311.0
1+00			9.54	312.65
+50			8.4	313.8
2+00			7.8	314.4
+50			6.23	315.96
3+00			5.1	317.1
+40			3.5	318.7
3+50			3.5	318.7
4+00			2.6	319.6
+50			1.53	320.66
5+00			1.0	321.2
+50			0.08	322.11
J.P.	12.97	335.08		
6+00			12.1	323.0
+50			10.0	325.1
+78.85			8.3	326.8
7+00			8.87	326.21

Hamilton from center
 Sept. 1/11

Schields
 Taylor
 34
 Bunker

Grade cut

305.00	4.9
306.10	4.9
307.21	5.4
308.31	5.5
309.42	5.0
310.52	5.5
311.63	5.5
312.51	6.2
312.73	6.0
313.84	5.8
314.94	5.8
316.05	5.2
317.15	5.0
318.26	4.7
319.36	5.7
320.00	6.8
320.65	5.6

315.96
 3.74
 319.70 = 4.1
 7.04
 312.66

319.70
 311.0

319.70 319.70 319.70 319.70 319.70
 306.10 307.21 308.31 309.42 310.52
 13.60 12.49 11.94 10.28 9.18

311.63 312.51 312.73 313.84
 8.07 7.19 6.77 5.86

314.94
 4.76

320.66 = 4.50
 7.90
 328.56 = 4.1
 316.05
 12.51 = 5.00

328.56 328.56 328.56 328.56
 317.15 318.26 319.36 320.00
 11.41 10.30 9.20 8.56

328.56
 320.65
 7.91

IM

Sept. 1/11

Leilids
Taylor
Banks 25

Cont. from page 34

Sta.	H.I.	Rod	Ground	Grade	cut
7+50	<u>335.08</u>	8.5	326.6	322.19	✓ 4.4
8+00		6.9	328.2	323.73	✓ 4.5
+50		6.48	329.60	325.27	✓ 4.3
9+00		3.4	331.7	326.81	✓ 4.9
+50		1.88	333.20	328.35	✓ 4.9
10+00 M.H. J.P.	12.00	<u>346.98</u>	0.10	334.98	329.90 ✓ 5.31
+50			10.2	336.8	331.44 ✓ 5.4
11+00		7.58	339.40	332.98	✓ 6.4
+50		6.3	341.7	334.52	✓ 7.2
12+00		3.8	343.2	336.06	✓ 7.1
+50		2.38	344.60	337.60	✓ 7.0
+95 F.S.		15	345.5	339.00	✓ 6.5

328.56	328.56	328.56	328.56
322.19	323.73	325.27	326.81
6.37	4.83	3.29	1.75
328.64	154	329.60	
5.43		9.04	
333.17		338.64	
		326.81	
		11.83	9.00
338.64	338.64	338.64	338.64
328.35	329.90	331.44	332.98
10.29	8.74	7.20	5.66
338.64		333.15	
334.52		3.66	1.50
4.12		1.54	1.54
339.40	= 11+00 BM		
8.78			
348.18	4.1		
336.06			
12.12	12+00		
337.60			
10.58	12+50		
339.00			
9.15	✓		1.54

Sever in alley bet. Hamilton & Univ. ave. to sta. 22+15

Oregon, from center no. of Howard.

Childs Taylor Bar 36

Sept. 11/11

Sta. 12.93 324.44

H.I. Rod Ground

Grade cut

0+00 m.H. center

317.00

Univ. ave.

+10

T.P.

1+00

+50

2+00

+50

3+00

+100 m.H.

+50

4+00

+50

5+00

T.P.

+50

6+00

+50

+78.8 m.H. center of Lincoln

7+00

1.07	323.37	319.18	5.2
1.07	323.37		
8.7	324.2	319.86	4.8
10.00	322.9	320.53	2.4
7.0	325.9	321.71	4.2
5.8	327.1	322.99	4.2
4.7	328.2	324.06	4.1
3.7	329.2	325.03	4.2
4.1	328.5	325.23	3.6
3.1	329.5	326.91	3.4
2.2	330.7	327.59	3.1
0.96	331.93	328.76	3.2
0.96	331.93		
11.8	333.0	329.94	3.1
10.0	334.8	331.12	3.7
7.9	336.9	332.29	4.6
8.5	336.8	333.00	3.8
5.3	339.5	333.87	5.6

323.37 B.M.	1.70	1.50	2.00
7.66			
331.03	331.03	331.03	331.03
318.18	319.36	320.53	321.71
12.85	11.67	10.50	9.32
331.03	331.03	331.03	331.03
322.89	324.06	325.00	325.23
8.14	6.97	6.03	5.80
326.41	327.59	328.76	
4.62	3.74	2.27	
B.M.	331.43		
	8.27		
340.60	340.60	340.60	340.60
327.72	331.12	332.29	
10.66	9.48	8.31	
333.00	333.87		
7.60	6.73		

In

cont. from page 36.

Sept. 11/11
Childs
Jayer
Barber

Sta.	H.I.	Rod	Ground	Grade c.t.
7+50	347.83	5.0	339.83	335.92 ✓ 3.9
8+00		1.78	342.75	337.97 ✓ 4.9
T.P.	11.12 355.80	0.15	344.68	
+50		10.10	345.7	340.02 ✓ 5.7
9+00		8.1	347.7	342.08 ✓ 5.6
+50		6.0	349.9	344.13 ✓ 5.7
10+00		4.55	351.25	346.18 ✓ 5.1
+20 M.H.		4.3	351.5	347.00 ✓ 4.5
+50		3.5	352.3	347.62 ✓ 4.7
11+00		2.4	353.4	348.65 ✓ 4.8
+50	9.88 365.14	0.5	355.3	349.69 ✓ 5.6
12+00		0.54	355.26	
		9.7	355.4	350.72 ✓ 4.7
+50		8.6	356.5	351.76 ✓ 4.7
13+00		7.2	357.9	352.79 ✓ 5.1
+50		6.6	358.5	353.83 ✓ 4.7
+58.38 M.H. center of Polk.		6.1	359.	354.00 ✓ 5.0
14+00		5.1	362.0	354.23 ✓ 5.3
+50		4.5	362.6	355.61 ✓ 5.0

340.60 H.I.	340.60	2.78	351.78
335.92	337.97	4.25	345.00
4.68 ✓	2.63	2.05	345.78
342.85			
89.3			
351.78 H.I.	351.78	351.78	351.78
340.02	342.08	344.13	
11.76 ✓	9.70	7.65	
351.78	351.78	351.78	
346.18	347.00	347.62	
5.60 ✓	2.78	4.16 ✓	
351.78	351.78		
348.65	349.69		
3.13 ✓	2.09		
348.65		26.45	
12.80		6.8	
361.45		355.24	
347.69	361.45	361.45	
11.76 ✓	350.72	351.78	
	10.73 ✓	7.69	
361.45	361.45	361.45	
352.79	353.83	354.00	
8.66 ✓	7.62 ✓	7.45	
361.45	361.45		
354.73	358.81		
6.72 ✓	5.84 ✓		

cont. from page 37

Sta.	H.I.	Rod	Ground	Grade	cut		
15+00	365.14	3.6	361.5	364.99 ✓	5.0	364.10	361.45 H.I.
+50		2.45	362.97	367.87 ✓	5.4	367.16	356.49
16+00		1.1	364.0	358.25 ✓	5.8	357.37	496 ✓
+50						2.51	4.08
17+00	2.78 374.58	0.54	364.60	359.73 ✓	5.5	364.60	6
+50		0.54	364.60	360.80 ✓	6.2	6.45	M.H. 17+50
18+00		2.4	366.2	360.88 ✓	5.3	371.05	371.05 371.05 371.05
+50		2.4	367.2	361.76 ✓	5.4	371.05	371.05 371.05 371.05
19+00		6.8	367.8	362.64 ✓	5.2	361.76	362.64 283.52 364.70
+50		5.3	369.3	363.52 ✓	5.8	9.29 ✓	9.41 ✓ 7.53 ✓ 6.65 ✓
20+00		5.06	369.54	364.40 ✓	5.1	371.05	371.05 371.05 371.05
+38.25 M.H. center of Howard		4.4	370.2	365.28 ✓	4.9	365.28	366.00 366.20 367.05
+50		4.3	370.3	366.00 ✓	4.3	5.77 ✓	5.55 ✓ 4.85 ✓ 4.00
21+00		4.3	370.3	366.20 ✓	4.1	371.05	371.05 371.05 371.05
+50		3.6	371.0	367.05 ✓	4.0	367.90	368.75 369.00
22+00		2.6	372.0	367.90 ✓	4.1	3.15	2.30 2.05
+15 F.S.		1.8	372.8	368.75 ✓	4.1	369.52	373
		1.1	373.5	369.00 ✓	4.5	375.25	367.05

Senior Alley between Oregon & Idaho from
University to 25' S. of Polk, at Sta 12+75

Sta	+P	H.A.	-P	level stone	Grade
B.M. 12+75 M.E. Mon. Oregon Univ				338.85	
B.M.	9.65	348.50			
0+0			6.0	342.5	336.00 ✓
0+50			4.5	344.0	336.25 ✓
1+0			4.8	343.7	336.50 ✓
1+50			4.7	343.2	336.75 ✓
2+0 M.H.			5.0	343.5	337.00 ✓
2+50			5.2	343.3	337.50 ✓
3+0			2.00	346.5	342.00 ✓
T.P.	12.23	359.80	0.93	347.57	
3+50			11.31	348.49	344.50 ✓
3+60 M.H.			11.0	348.8	345.00 ✓
4+0			9.8	350.0	345.88 ✓
4+50			8.6	351.2	346.97 ✓
5+0			7.1	352.7	348.07 ✓
5+50			5.7	354.1	349.16 ✓
6+0			4.0	355.8	350.26 ✓
6+50			4.6	355.2	351.35 ✓
6+77 M.H.			4.4	355.4	352.00 ✓
7+0			2.6	357.2	352.99 ✓
7+50			1.07	358.73	353.66 ✓
T.P.	10.53	369.26	1.07	358.73	
8+0			9.3	360.0	359.74 ✓

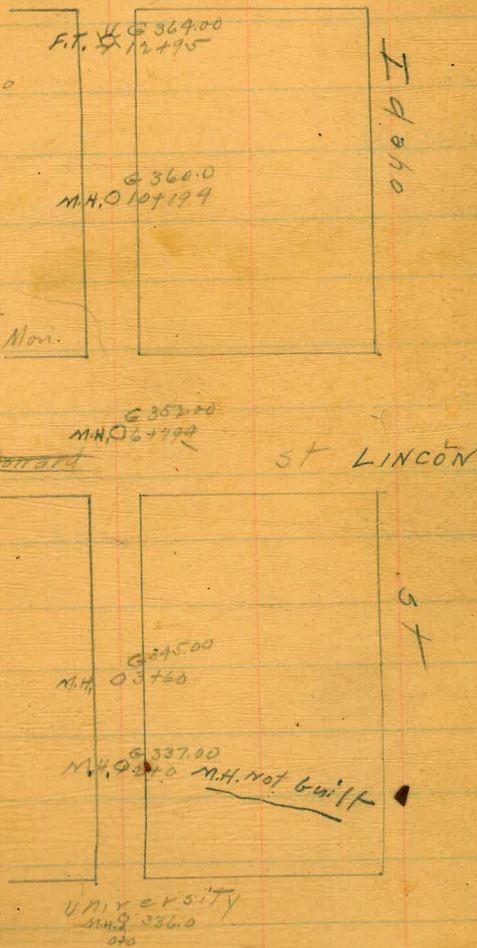
Page 274

348.12
4.18
343.94

39

cut

258.73	- Top Elev Sta 7+50.
5.66	
364.39	- H.A.
6.5	
353.66	
10.73	= 7+50 Polk
7.17	
364.39	
352.49	Fit. \times $\text{E} 369.00$ $12+75$
7.2	
11.90	7+50
7.1 \times	
364.39	
352.00	
12.39	= M.H.
6.5	
364.39	
354.84	
3.8	
9.55	
4.5	
338.85	R.M. Mon.
9.27	
4.0	
348.12	H.A.
336.28	
3.8	
17.87	Standard
4.1	
348.12	
336.50	
11.62	
4.2	
348.12	
336.95	
11.37	
4.6	
348.12	
337.00	
11.12	
4.9	
348.12	
339.50	
8.62	
3.8	
348.12	
342.00	
6.12	
3.4	
348.12	
342.00	
6.12	
4.7	
5.0	
5.2	



	369.26		Elect. Top. Stakes	Grade
8+50	8.0	361.3	356.01 ✓	
9+0	6.6	362.7	357.12 ✓	
9+50	5.3	364.0	358.37 ✓	
10+0	4.9	364.4	359.55 ✓	
10+19.2 M.H.	4.7	364.6	360.00 ✓	
10+50	4.4	364.9	360.45 ✓	
11+0	3.6	365.7	361.17 ✓	
11+50	2.1	367.2	361.90 ✓	
12+0	1.8	367.5	362.62 ✓	
12+50	1.5	367.8	363.35 ✓	
12+95 = "F.T."	0.9	368.4	364.00 ✓	

Cut		
5.3	364.39 <u>356.01</u> 8.38 ✓	371.6 <u>364.0</u> 364.0
5.5	364.39 <u>357.19</u> 7.20 ✓	364.39 <u>4.39</u> 360.00 = 11.14 <u>1.16</u> 371.16 = 11.14 <u>360.45</u> 10.71 ✓
5.6	364.39 <u>358.37</u> 6.02 ✓	371.16 <u>361.17</u> 9.99 ✓
4.9	364.39 <u>359.55</u> 4.84 ✓	371.16 <u>361.90</u> 9.26 ✓
4.6	364.39 <u>360.00</u> 4.39 ✓	371.16 <u>362.62</u> 8.54 ✓
4.5	364.39 <u>360.00</u> 4.39 ✓	371.16 <u>363.35</u> 7.81 ✓
4.5		371.16 <u>364.00</u> 7.16 ✓
4.7		

Senior Alley between Idaho & Utah from Univ to

Sta.	+R	H.I.	-R	ele top chas	Grade
B.M. 2818 R.R. N.W. Univ Utah				350.03	
B.M.	3.59	353.92			
0+0 = 40' S of M.L. University					343.00
0+50			4.90	349.0	✓ 343.73
1+0			4.3	349.6	✓ 344.41
1+50			3.5	350.4	✓ 345.20
2+0		b	2.7	351.2	✓ 345.99
2+50			1.8	352.1	346.67 ✓
3+0			0.71	353.21	347.41 ✓
T.P. 10.29		363.50	0.71	353.21	
3+40 M.H.			9.2	357.3	348.00 ✓
3+50			9.8	354.2	348.26 ✓
4+0			8.2	355.3	348.58 ✓
4+50			8.4	355.10	350.90 ✓
5+0			7.5	356.0	352.22 ✓
5+50			4.7	358.8	353.55 ✓
6+0			3.5	360.0	354.87 ✓
6+50			0.87	362.63	356.19 ✓
T.P. 7.75		370.39	0.87	362.63	
6+80 M.H. Ctr Lincoln			2.2	362.2	357.00 ✓
7+0			7.2	363.2	357.20
7+50			6.9	363.5	357.71

35' S of Howard

B.M. Lincoln Idaho
N.W. cor. H of pole 361.96

Howard 22
51 41

5.3	353.21 6.26 359.27 = H.I. 346.67 12.60 ✓	368.00	19+69
5.1	359.27 347.41 11.86 ✓		017+00
5.2	359.27 348.00 11.27 ✓	390	Utah
5.3	359.27 Polk	367.00	13+60 M.H. 51
5.4	348.26 11.01 ✓		
5.8	359.27 349.58 9.69 ✓	340	Idaho & Howard
6.3	359.27 350.90 8.37 ✓	132	10+20 M.H.
5.9	359.27 352.22 7.05 ✓	390	between Idaho &
5.7	359.27 353.55 5.72 ✓	390	Lincoln 6+30 M.H. 51
4.2	359.27 356.19 3.08 ✓	390	between
3.8	359.27 354.87 4.40 ✓	390	Alley
5.3	359.27 356.19 3.08 ✓	390	340 M.H.
5.1	359.27 357.00 12.55 369.55 H.I.	348.00	3+40 M.H.
6.4	359.27 357.00 3.27 ✓	390	
5.2	359.27 357.00 3.27 ✓		
6.0	369.55 2 21 ✓		
5.8			

313.00 M.H.

	370.38			
840	6.8	364.1	358.23	✓
8450	6.1	364.3	358.79	✓
940	5.2	365.2	359.30	✓
50	4.4	366.0	359.77	✓
1040	3.68	366.70	360.29	✓
10420 M.H.	3.4	367.0	360.50	✓
10450	2.8	367.6	360.84	✓
1140	2.3	368.1	361.32	✓
50	1.7	368.7	361.84	✓
1240	1.4	369.0	362.35	✓
50	1.2	369.2	362.86	✓
1340	1.5	369.9	363.37	✓
50	1.59	369.79	363.90	✓
T.A	1.59	368.79		✓
60-M.H. ctr Pol/K	6.7	369.4	364.00	✓
1440	7.5	368.6	364.26	✓
50	7.7	368.4	364.59	✓
1540	7.7	368.4	364.92	✓
50	7.7	368.4	365.25	✓
1640	7.3	368.8	365.59	✓

369.55 H.1.

cut	358.23	368.79 M.	373.59	373.59	373.59
15.90	11.32	1.50	364.00	364.00	364.00
			9.59	9.59	9.59
✓ 5.6	358.74	373.59 H.1.	373.59	373.59	373.59
	10.81	363.90	364.26	364.59	364.59
✓ 5.9	359.26	9.69	9.32	9.00	9.00
	10.29				
✓ 6.2	359.77	373.59	373.59	373.59	373.59
	9.78	364.92	365.25	365.59	365.59
✓ 6.4	360.29	8.67	8.34	8.00	8.00
	9.26				
✓ 6.5	360.50				
	9.03				
✓ 6.8	360.81				
	8.79				
✓ 6.8	361.32				
	8.23				
✓ 6.9	361.84				
	7.71				
✓ 6.6	362.35				
	7.20				
✓ 6.3	362.86				
	6.69				
✓ 5.5	363.39				
	6.18				
✓ 4.9					
✓ 5.4					
✓ 4.3					
✓ 3.8					
✓ 3.5					
✓ 3.2					
✓ 3.2					

16+50	376.06	5.4	370.7	365.92
17+0 = M.H.		3.7	372.9	366.25
17+50		4.46	371.60	366.58
18+0		4.3	371.8	366.91
50		3.4	372.7	367.25
19+0		4.1	372.0	367.58
19+50		3.4	372.7	367.91
19+64 = F.T. 355 of S. L. Howard, 3.3			372.8	368.00

cut
 ✓ 4.8
 ✓ 6.2
 ✓ 5.0
 ✓ 4.9
 ✓ 5.5
 ✓ 4.4
 ✓ 4.8
 ✓ 4.8

373.59
 371.60
 1.99

373.59

43

373.59 H1. 365.92 7.67 ✓	373.59 366.25 7.34 ✓	373.59 366.58 7.01 ✓
373.59 366.91 6.68 ✓	373.59 367.25 6.34 ✓	373.59 367.58 6.01 ✓
373.59 367.91 5.68 ✓	373.59 368.00 5.59 ✓	373.59

Sonor - Alley between Utah & Kansas see sketch opp page

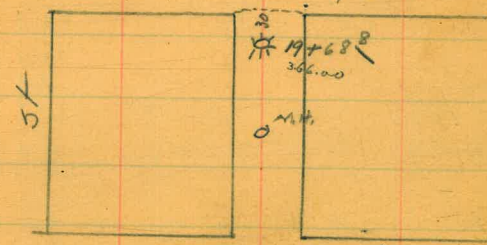
Sta	+ R.	M.H.	- R.	Elev ten stars	Grade
B.M. R.R. SPR N.W. UNIV. UTAH				350.33	
B.M.	7.15			357.48	
0+0 = 406 of N.L. University				347.0	
				342.0	
0+50			5.0	352.5	347.5
1+0			4.8	352.7	348.03
1+50			3.2	354.3	348.55
2+0			3.0	354.5	349.06
50			3.2	354.3	349.59
3+0			2.19	355.28	349.57
T.P.	9.90	365.19	2.19	355.29	
+40 = M.H.			9.7	355.5	350.50
+50			9.8	355.4	350.77
1+0			2.2	357.0	352.03
4+50			7.6	357.6	353.29
5+0			5.8	359.4	354.54
50			4.3	360.9	355.80
6+0			2.11	363.08	357.05
+50			2.0	363.2	357.97
+78 = M.H. & Lincoln			4.1	363.1	358.50

350.33	56.55	56.85	56.85	56.85	56.85
6.52	47.52	48.03	48.55	49.06	47.58
356.85 M.H.	9.33	8.85	8.30	7.79	7.27
355.28	62.59	56.85	56.85	56.85	56.85
7.20	50.77	50.09	50.50	50.50	50.50
362.58 M.H.	11.21	6.76	6.35	6.35	6.35
		62.58	62.58	62.58	62.58
		52.03	53.29	53.29	53.29
		10.55	9.31	9.31	9.31

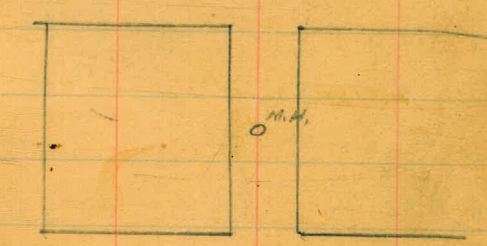
Im

HOWARD

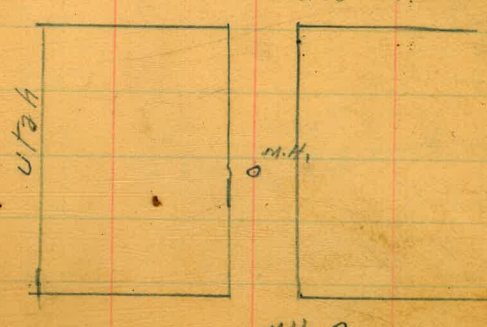
- 5.0
- 4.2
- 4.7
- 8.2
- 5.7
- 8.6
- 5.4
- 7.5
- 4.7
- 6.0
- 5.2
- 5.8
- 5.0
- 4.6
- 5.0
- 4.3
- 4.9
- 5.1
- 6.0
- 5.2
- 4.9
- 4.6
- 4.1



POLK



LINCOLN



UTAH

KANSAS ST

M.H. ?
362.0

365.19			
7+0		0.88	364.31
T.P.	7.74	0.88	364.31
50		7.40	364.6
8+0		6.8	365.2
50		6.0	366.0
9+0		5.9	366.1
50		5.5	366.5
10+0		5.0	367.0
10+18 ²⁵ M.H.		5.1	366.9
10+50		4.6	367.4
11+0		4.2	367.8
50		3.71	368.34
12+0		3.2	368.8
50		2.2	369.8
13+0		2.7	369.3
50		2.0	370.2
13+58 ⁶ M.H.	Polk	1.22	370.53
T.P.	276.31	1.22	370.53
14+0		6.6	369.7
50		6.3	370.0
15+0		6.3	370.0
50		6.3	370.0

363.08			
7.12			
370.20 H.I.			
359.71			
5.5	10.79V	370.20	370.20
5.5	10.50V	360.00	360.29
5.5	9.61V	370.20	370.20
5.5	9.32V	360.88	361.00
5.5	9.02V	370.20	370.20
6.0	8.73V	361.47	361.77
5.8	8.43V	370.20	370.20
5.9	8.12V	375.47	375.47
5.9	7.83V	362.06	362.64
6.1	7.53V	362.94	362.94
5.9	7.23V	375.47	375.47
6.2	6.93V	363.00	363.44
6.3	6.63V	363.69	363.69
6.6	6.33V	375.47	375.47
6.7	6.03V	363.93	363.93
7.4	5.73V	375.47	375.47
6.7	5.43V	363.93	363.93
7.3	5.13V	375.47	375.47
7.8	4.83V	363.93	363.93
6.5	4.53V	375.47	375.47
6.6	4.23V	363.93	363.93
6.3	3.93V	375.47	375.47
6.1	3.63V	363.93	363.93

10 18.75
67875
340

276.31

1640	6.42	369.89	364.18 ✓
50	4.4	371.9	364.42 ✓
16498 ⁶ = M.H.	5.9	370.9	364.67 ✓
50	5.9	370.1	364.91 ✓
1840	5.8	370.5	365.16 ✓
50	5.67	370.64	365.92 ✓
1940	5.5	370.8	365.67 ✓
50	5.6	370.7	365.98 ✓
19468 ⁵ = F.T. 30's of St. Howard,	5.6	370.7	366.00 ✓

This F.T. changed to M.H. and sewer continued M.
To new F.T. 25's of S.L. Alley between El Cajon & Howard,
B.M. R.R. SPRS. W. ^{UTAH} El Cajon 372.51
" " 4.69 377.30

2040	6.5	370.8	366.12
450	6.4	370.9	366.32
2140	6.15	370.85	366.51
450	6.0	371.3	366.71
2240	6.20	371.1	366.90
22424 ⁹ = F.T. 25's of Alley bet El Cajon & Howard	4.69	370.7	367.00

375.47
5.60
369.87

369.89 - B.H.
5.03

374.92 M.H.
364.42
10.50 ✓

375.47 M.H.
364.18
11.29 ✓

374.92 374.92 374.92
364.67 364.91 365.16
10.25 ✓ 10.01 ✓ 9.76 ✓

374.92 374.92 374.92 374.92
365.42 365.67 365.91 366.00
9.50 ✓ 9.25 ✓ 9.01 ✓ 8.92 ✓

370.85
4.71

375.56 = M.H.
366.12
9.44 ✓

75.56 75.56 75.56
66.82 66.51 66.71
9.24 ✓ 9.05 ✓ 8.85 ✓

75.56
66.90
8.66 ✓

75.56
67.00
8.56 ✓

46

corner line from M.H. Bottom Canyon alley bet. Florida
& Alabama.

	+ R	N.I.	- R	elev top stn	Grade
B.M.				225.63	
B.M.	11.53	237.16			
0+0 M.H. Id				220.00	
0+50			10.5	226.7	222.12 ✓
0+75			9.2	228.0	228.15 ✓
1+0			8.2	229.0	224.24 ✓
T.R.	10.50	247.37	0.27	236.87	
1+50			9.99	237.88	226.86 ✓
1+80		5	7.4	240.0	227.92
2+0			4.5	242.7	228.48 ✓
2+5			4.8	242.6	229.54 ✓
3+0			12.9	239.5	230.60 ✓
75 M.H. (X)			11.1	236.3	231.66 ✓
3+0			5.1	242.3	232.22
T.R.	9.49	254.79	2.07	245.30	
2+5			4.2	250.6	233.75 ✓
3+0			2.8	252.0	234.84 ✓
3+5			3.4	251.4	235.90
4+0			4.1	250.7	236.96 ✓
4+15 (X)			5.2	249.6	237.60
4+50			6.9	247.9	237.74 ✓
5+0			9.64	245.15	237.94 ✓
T.R.	6.93	252.08	2.64	245.15	
5+50			7.4	244.7	238.14 ✓

cut

	225.63 - B.M.			
	6.91			47
	232.54 - B.M.	232.54	232.54	
	220.00	222.12	223.18	
	12.54	10.42 ✓	9.36 ✓	
	232.54	232.54		
	224.24	226.56		
	8.30 ✓	6.18		
	232.54 - B.M.			
	6.43			
	244.31 - B.M.	244.31	244.31	244.31
	226.36	227.42	228.48	229.54
	17.95 ✓	16.97	15.83 ✓	14.77 ✓
	244.31	244.31	244.31	
	230.60	231.66	232.72	
	13.71 ✓	12.65 ✓	11.59	
	245.15			
	7.60			
	252.75 - B.M.	252.75	252.75	252.75
	233.78	234.84	236.96	237.74
	18.97 ✓	17.91 ✓	15.79 ✓	15.01 ✓
	252.75	252.75	252.75	252.75
	237.94			
	14.81			
	245.15			
	4.45			
	249.60 - B.M.	249.60	249.60	249.60
	237.94	238.14		
	11.66 ✓	11.46 ✓		

	+ R	H.I.	+ R	elev top stake	Grade
6+0		252.08	6.4	245.7	238.34 ✓
6+50			5.9	246.1	238.09 ✓
7+0			5.9	246.1	238.79 ✓
7+15 M.H.			6.0	246.1	238.84 ✓
7+50			9.9	247.2	238.99 ✓
8+0			3.3	248.8	238.14 ✓
8+50			1.9	250.2	237.34 ✓
8+75			1.5	250.8	237.99 ✓
9+0			0.73	251.35	237.09 ✓
T.P.	4.68	256.03	0.73	251.35	
9+50			5.2	250.8	237.74 ✓
10+0	3.15	254.53	11.20	244.8	239.94 ✓
10+15 M.H. & University			9.0	245.5	240.00 ✓
10+50			9.2	245.3	240.70 ✓
11+0			8.9	245.6	241.70 ✓
11+50			6.5	248.0	242.70 ✓
12+0			6.8	247.7	243.70 ✓
12+50			4.5	250.0	244.70 ✓
12+65 M.H. for Florida St sewer			4.0	250.5	245.00 ✓
13+0			1.53	253.00	247.03 ✓
T.P.	12.63	266.09	0.97	253.66	
50			2.8	263.5	249.93 ✓
14+10			+ 0.4	266.7	253.92 ✓

cut

- 7.4
- 7.6
- 7.4
- 7.3
- 8.3
- 9.7
- 10.9
- 11.4
- 11.8
- 11.1
- 4.7
- 5.5
- 4.6
- 3.9
- 5.3
- 4.0
- 5.3
- 5.5
- 6.0
- 13.6
- 13.2

253.00
0.91
 253.91 H.I.
245.00
 8.91 ✓

253.91
244.70
 9.21 ✓

253.91
243.70
 10.21

48

253.91
242.70
 11.21 ✓

253.91
241.70
 12.21 ✓

253.91
240.70
 13.21 ✓

253.91
240.00
 13.91

253.91
245.28 = T.P.
 4.74

250.02
242.00
 100.2 ✓

250.02
239.94
 10.04 ✓

250.02
237.74
 10.28 ✓

251.35 = 9+00
4.25
 255.60 H.I.
239.54
 16.06 ✓

255.60
239.44
 16.16

264.44
2.16
 266.68
253.42
 13.26

249.60
238.34
 11.26 ✓

249.60
238.54
 11.06 ✓

249.60
238.74
 10.86 ✓

249.60
249.60
 0.00

249.60
239.14
 10.66 ✓

264.19
4.65
 268.84 H.I.
249.93
 18.91 ✓

251.35
2.85
 254.20
239.14
 15.06 ✓

254.20
239.34
 14.86 ✓

254.20
239.44
 14.76 ✓

268.84
253.42
 15.42 ✓

268.84
255.74
 13.10

254.20
239.54
 14.66

14+50		266.29	2.10	264.19	255.74 ✓
15+0					
T.P.	11.05	277.15	5.00	261.3	258.65 ✓
50			0.19	266.10	
			10.8	266.3	261.56 ✓
16+0			5.3	271.8	264.46 ✓
+50			3.0	274.1	267.37 ✓
+95 = M.H. ♀ Lincoln			1.4	275.7	270.00
17			1.6	275.5	270.02
+50			0.07	277.05	270.24
T.P.	7.91	289.89	0.07	277.08	
18+0			6.5	278.4	270.46
50			6.5	278.4	270.58 ✓
19+0			6.0	278.9	270.90
50	5.32	294.28	5.83	278.96	271.12
20+0			4.8	279.5	271.34 ✓
20+35 M.H.			4.6	279.7	271.50 ✓
20+50			4.7	279.6	271.57 ✓
21			5.4	278.9	271.81
50			4.5	279.8	272.03
22			5.3	279.0	272.25 ✓
50			6.4	277.9	272.97
23			5.6	278.7	272.69 ✓

Quando sale alla

204.19 B.M.					
3.10					
267.29 = H.I.					
255.74					
11.55					
267.29					
264.46					
2.83					
264.19					
41.6					
268.35 M.I.					
255.74					
12.61 ✓					
270.97					
26156					
9.21					
268.35					
264.46					
3.89 ✓					
268.35					
267.37					
0.98					
264.19 = B.M. Station					
6.58					
270.77 H.I.					
267.37					
3.40					
270.97					
26156					
9.21					
278.96					
38.4					
282.80 M.I.					
270.46					
12.34 ✓					
282.80					
71.34					
11.42 ✓					
82.80					
72.03					
10.77 ✓					
82.80					
72.25					
10.55 ✓					
82.80					
72.47					
10.33 ✓					

23+50	284.28	5.9	278.4	272.91
23+75 = M.H. & P.O.K.		5.8	278.5	273.02
24+0		5.69	278.59	273.13
T.P.	4.89	283.43	278.59	
50		4.7	278.7	273.35
25+0		5.1	278.3	273.57
50		4.9	278.5	273.80
26+0		5.53	277.90	274.02
450		9.3	274.1	274.24
27+0		5.6	277.8	274.44
27+15 = M.H. & B. King Road		5.9	277.5	274.50
27+50		4.5	278.9	275.15
28		6.0	277.4	276.08
T.P.	12.12	293.60	281.98	
150		11.8	278.18	277.00
29		9.6	284.00	277.93
450		8.9	284.7	278.85
30+0		8.2	285.2	279.78
150				280.70
30+55 = M.H. & Howard		5.0	288.6	280.80
31+0		5.72	287.88	281.63
450		4.1	289.5	282.56

287.84
4.97
292.85 H.I.
281.63
11.22

92.85
278.59
5.05
283.64 H.I.
72.47
11.17 dkt

298.59
366
50
282.25
274.02
8.20

82.25
73.80
72.69
10.95 ✓
6.45
2.2
6.67

8368 8368
72.91 73.02
10.72 ✓ 10.67

81.47
73.0
8.45

278.59
2.58
281.47 H.I.
273.13
8.34 ✓

8363 8368
72.91 73.02
10.72 ✓ 10.67

278.59
2.58
281.47 H.I.
273.13
8.34 ✓

82.25 82.25
74.24 74.44
8.91 7.81 ✓
82.25 75.35
74.50 7.10

278.59
2.58
281.47 H.I.
273.13
8.34 ✓

81.47 81.47 81.47 81.47
74.24 74.44 74.50 74.50
7.23 ✓ 7.03 6.77

278.59
4.32
282.91 H.I.
274.44
8.47 ✓

82.91 82.91 82.91
74.50 75.15 76.08
8.41 ✓ 7.76 ✓ 6.83 ✓

82.91 82.91 82.91
77.00 77.93 78.85
5.91 ✓ 4.98 ✓ 4.06 ✓

282.91
274.24
8.67

287.84
5.17
293.05 H.I.
280.80

82.91 82.91
80.80 2.11 73.05

6.3 ✓ 12.25 ✓

93.05 93.05
81.63 82.56
11.8 10.49

6.9 ✓

				293.60	
23	3240		4.4	289.2	283.48
23+	32150		3.1	290.5	284.91
24	32482 ²	Alley bet El Capon, Howard	3.0	290.6	285.00
T.P.		200.95			
5	3340		8.70	392.2	285.44
2	450		7.7	393.2	286.67
+	3440		6.5	394.7	287.21
	450		4.6	396.3	289.14
+	35400		2.6	298.3	290.38
T.P.	297	306.19	2.63	298.32	
+	450		8.9	297.8	291.61
2	3640		7.1	299.1	292.85
2	450		6.3	299.9	294.08
	3740		3.9	302.8	295.32
	3127 MIN. Alley		4.3	301.9	296.00
T.P.	8.5V	310.26	4.95	301.74	
	4450		6.9	303.4	296.37
	3840		6.5	303.5	297.12
	750		7.2	303.1	297.77
	3940		6.7	303.6	298.50
	450		5.3	305.0	299.61
	39477 MIN.		4.6	305.7	300.05

		293.60	1270	1570	
		51.0	578	971	
		291.50	7	7	51
5.7	✓	298.32			
		2.90			
6.1	✓	501.22 M.	301.22	301.22	301.22
		285.44	280.67	287.91	289.14
		15.78 ✓	14.55 ✓	13.31 ✓	12.08
5.6	✓				
6.8	✓				
		301.22	301.22	301.22	
		290.88	291.61	292.85	
		10.84	9.61	8.37	
6.5	✓				
		301.22	301.22	301.22	
		294.08	295.82	292.85	
		7.14	5.90		
6.5	✓				
		298.32	301.28	301.28	301.28
		2.86	287.91	289.14	290.38
7.2	✓	301.18	13.27 ✓	12.04 ✓	10.80
		286.67			
		14.51 ✓			
7.9	MIN		301.28	301.18	301.78
			291.61	292.85	294.08
			9.57 ✓	8.33 ✓	7.10 ✓
6.2	✓				
		301.28			
		295.32	301.18		
		5.86 ✓	296.00		
			5.18		
5.8	✓				
7.5	✓	307.93	93.05	93.05	93.05
		301.74	83.48	84.41	310.13
		6.19	9.57		3.75
5.9	✓				306.38
7.0	✓				
		292.85 M.	92.85	92.85	92.85
		306.33	84.41	85.00	85.44
		1.60	8.44 ✓	7.85	7.41
6.3	✓	307.93			
		296.00			
		11.93	307.93	307.93	307.93
		296.37			
		11.56			
4.8	✓	308.80 BM.	310.13	310.13	310.13
		1.33	297.14	297.99	298.80
		310.13 M.	12.95 ✓	12.14 ✓	11.33 ✓
5.4	✓	296.37			10.5 ✓
		13.74 ✓			
5.6	✓				
		310.13			
		300.05			
		10.08 ✓			

	310.26			
40+0		3.6	306.7	300.92
+50		2.9	307.9	301.23
41+0		3.93	306.33	302.04
+50		2.9	307.7	302.85
42+0		1.46	B.M.	
7.0	8.90	1.46	308.80	303.66
			308.80	
42+22 ²	M.H. & Noade	6.9	310.8	304.00
+50		7.6	310.1	309.20
43+0		7.6	310.1	304.70
+50		6.8	310.9	305.15
44+0		7.1	310.6	305.60
+50		7.1	310.6	306.05
45+0		5.4	312.3	306.51
+50		4.2	313.5	306.96
46 ²	M.H.	4.8	312.9	307.07
46+0		6.1	311.6	307.91
+50		5.2	312.5	307.86
+85	shed	4.7	313.0	308.17
47+0		4.2	313.5	308.40

35 81
29
306

	310.13	310.13	310.13	310.13	310.13
	300.42	301.23	302.04	302.85	303.52
6.3V	7.71V	8.90V	8.09V	7.28V	6.47V
6.7V	310.13	310.13	310.13		
	304.00	304.25	304.70		
4.3V	6.13V	5.88	5.43		
	308.80				
	5.97				
4.6V	314.77 H.I.				
	304.25				
	10.52V				
5.1V		314.77	314.77	314.77	314.77
		304.70	305.15	305.60	
		10.07V	9.62V	9.17V	
6.8V		314.77	314.77	314.77	314.77
		306.05	306.51	306.96	307.07
		8.72V	8.26V	7.81V	7.70V
5.9V					7.36
		314.77	314.77	314.77	
		307.86			318.56
5.4V					307.07
					11.49
		314.45			
		4.11			
5.8V		318.56 H.I.	318.56	318.56	318.56
		307.41	308.17	308.40	
5.0V		11.15V	10.39V	10.16V	
4.6V					308.17
					96
5.8V					316.81
					308.56
6.5V					95
5.8V					
4.2V					
4.6V					
4.8V					
5.1V					

		317.70		
47+50		3.7	313.08	308.76
48+0		3.25	8.8 314.85	309.21
49+0		2.1	315.6	309.66
48+85 ⁷ M.H. & Mission Drive		0.6	317.1	310.00
T.P.	48.75	329.82	0.61	317.09
49+0		13.4	316.4	310.30
45+0		B.M. 11.65	318.17	311.38
50+0		10.2	319.6	312.46
45+0		9.1	320.7	313.53
51+0		7.8	322.0	314.61
50		7.2	322.6	315.69
52+0		7.0	322.8	316.76
52+25 ⁷ M.H.		6.9	322.9	317.80
45+0		6.5	323.3	317.87
53+0		6.06	B.M. 323.76	319.92
45+0		5.3	324.5	320.00 319.00
54+0		4.2	325.6	321.07 320.07
T.P.	7.61	334.28	3.15	326.67
45+0		6.1	328.2	322.15 321.65
55+0		6.6	327.7	323.22 322.22
45+0		6.13	328.05	324.30
55+82 ³ M.H. & Madison		5.4	329.9	325.00

540
1200

M.H. = 318.56	318.56	318.56	318.56	58
308.76	309.21	309.66	310.00	
<u>9.80V</u>	9.35V	8.90	8.56	
5.0 ✓	31445 = B.M.			
	6.99			
5.2 ✓	321.44	21.44	21.44	21.44
	309.66	10.00	10.30	11.38
5.9 ✓	<u>11.78V</u>	11.44	11.14V	<u>10.06V</u>
				1246
				<u>8.95L</u>
7.1	Notes	21.44	21.44	21.44
		13.53	14.61	15.69
		7.91V	6.83V	5.75V
				4.68V
6.1 ✓		21.44		
		<u>17.30</u>		
6.8 ✓				328.25
				316.76
				1.49
7.1 ✓		323.76		
		4.49		
		328.25 = M.H.	28.25	28.25
		317.30	17.84	18.92
7.2 ✓		<u>10.95V</u>	10.41V	9.33V
				8.25V
7.4 ✓		3101	28.25	28.25
		21.32	21.07	22.15
		9.94	7.18V	6.10
				5.03
6.9 ✓				331.07
				<u>328.05</u>
				2.96
6.0 ✓		323.76		
		7.31		
		331.07		
		<u>321.07</u>		
		10.00		
5.6 ✓				331.01
				323.22
				7.79V
5.5 ✓				331.01
				324.30
				<u>6.71V</u>
4.8 ✓				
				331.01
				<u>325.00</u>
				6.01V
4.5 ✓				
4.5 ✓				
6.1 ✓				
4.5 ✓				
3.7 ✓				
3.9 ✓				

55

56

61

Senior Lincoln University from E. Arizona to E. Alley
between Arizona & Texas.

Sta	+ R	H.I.	- R	electro stakes	Grade
18. M.				301.80	
48. M.	5.60	307.40			
070 = N.H. & Arizona to South			6.2	301.7	296.0
075.0			5.1	302.3	297.75
85.6 = N.H. & Alley between Arizona & Texas			3.1	304.3	299.00

Im-Page 229

57

cut

Seven Lines from ϕ Arizona on S To ϕ Alley between
Utah & Kansas on University

	+ R	H.I.	- R	eleven states	Grade
B.M. M. R.R. on University of Arizona		301.80			
B.M.	9.38	311.18			
M.H. of Arizona		10.0	301.2	296.00	
0+50		10.4	300.8	296.68	
1+0		10.3	300.9	297.37	
1+50		9.5	301.7	298.05	
2+0	b	8.6	302.6	298.74	
2+50		7.9	303.8	299.42	
2+91.7 M.H. & Alley of Arizona		6.7	304.5	300.00	
3+0		6.4	304.8	300.19	
3+50		5.2	306.0	301.37	
4+0		3.9	307.3	302.56	
4+50		2.6	308.6	303.74	
5+02.2 M.H. Hamilton		1.3	309.9	305.00	
	11.56	323.07	311.51	6th Hamilton	
5+50		10.1	313.0	308.34	
6+0		5.6	317.5	311.89	
6+50		1.9	321.2	315.44	
7+0		1.2	321.9	317.00	
7+11.2 Alley to Oregon & Hamilton		0.30	322.77		
T.P.	11.82	334.59	323.0	318.90	
7+0		11.6	323.0	318.90	
7+50		7.4	327.2	320.90	

Cut

301.80	M.H.	0+50	1+0	1+50	58
4.37	306.17	306.17	306.17	306.17	
306.17	296.00	296.68	297.37	298.05	
	10.17	9.99	8.80	8.12	
	4+0	2+50	M.H.		
	306.17	306.17	306.17		
	298.74	299.42	300.00		
	7.43	6.75	6.17		
311.51	M.H.				
2.34	313.85	313.85	313.85	313.85	
313.85	20.19	301.37	302.56	303.74	305.00
0.73	13.66	12.88	11.59	10.11	8.85
313.92	313.85	323.76	323.76	323.76	323.76
10.84	308.34	311.89	315.44	317.00	318.40
323.76	5.51	11.87	5.82	6.76	5.36
	332.50	332.50			
	6.27	320.90			
	337.12	11.60			
	8.77				
	330.49				
	2.32				
	332.50				

230-31-35

8+0		334.59	2.7	331.9	323.39
T.P.	11.02	344.98	0.63	333.96	
	M.H. Alley bet Villa Terrace Oregon?				
8+50			9.90	325.1	325.89
9+0			7.8	327.2	329.40
9+50			6.0	329.0	330.89
10+0			4.0	331.0	334.0
10+50	M.H. Alley bet Oregon & Idaho		2.47	342.51	336.00
11+0			1.8	343.2	336.88
50			0.9	344.1	337.80
12+0			0.09	344.89	338.72
T.P.	6.43	351.32	0.09	344.89	
50			5.7	345.6	339.64
13+0			5.3	346.0	340.55
50			4.5	346.8	341.47
14+0			3.9	347.4	342.35
14+33	M.H. Alley bet Idaho & Utah		3.5	347.8	343.00
14+50			3.3	348.0	343.18
15+0			2.8	348.5	343.70
15+50			2.4	348.9	344.23
16+0			1.8	349.5	344.75

339.06	331.50	339.16	337.06	339.06	346.07
1.17	323.39	325.87	28.90	30.89	2.03
337.12	9.11	13.17	10.26	8.17	37.80
28.90					6.24
11.5					
6.7	8.5				
	338.85	338.85	346.07	346.07	346.07
	0.21	7.22	33.40	36.00	36.88
	339.06	346.07	12.67	10.07	9.17
					37.80
					8.27
	346.07	346.07			
	38.72	39.69			
	7.35	6.93			
	346.07	49.78	49.78	49.78	49.78
	1.63	40.55	41.47	42.38	43.00
	344.44	9.23	8.31	7.40	6.78
	5.34				
	349.78				
	350.33	54.91	54.91	54.91	54.91
	9.58	43.18	43.70	44.23	44.75
	354.91	11.73	11.21	10.68	10.16
		350.33			
		6.15			
		35.648			
		34.685			
		9.63			

		351.32			
16+50			1.3	350.0	345.28
17+0 S			0.9	350.4	345.80
17+50			0.44	350.28	346.33
T. P.	3.87	354.75	0.44	350.88	
18+0			3.3	351.4	346.85 ✓
18+12 ³ = N.N. of alley bet 0 ¹ / ₈ & 1 ¹ / ₈ Kansas			3.3	351.4	347.00

54.91	54.91	54.91	54.91	54.91
<u>45.28</u>	<u>45.30</u>	<u>46.33</u>	<u>46.85</u>	<u>47.00</u>
9.63 ✓	9.11 ✓	8.58 ✓	8.06	7.91

60

4.7

4.6

4.6

4.6 ¹/₂ in4.4 ¹/₂ in

Levels of Cypress from
to Alabama West to M.H.

512. page 70
1777.63 & 171.2
= 0400

		246.97	245.72	on stub
			1.25	245.72 on stub
			2.0	245.0
x			9.1	237.9
			10.5	236.5
	T.P.	0.35	234.39	1293
				234.04
x			2.2	232.2
			4.5	229.9
			12.8	221.6
	T.P.	1.54	223.23	1290
				221.69
			5.5	217.7
			8.4	214.8
			7.7	215.5
			7.4	215.8
			8.9	214.3
			9.1	214.1
			7.5	215.7
			5.6	217.6 Top
			1799	21024 Flow Line
	+ 66.8 = M.H. in alley			
	= 579 15 + 20.5 on page 5 this book			

60

62

63

Corner Line Alley bet El Cajon & Howard from 25' E of Louisiana to 25' W of Oregon

		322.14	
B.M. from El Cajon & Texas			
0+0 = 25' E of Louisiana	1.7	326.7	321.0
0+3 D.E. 18"			✓ 320.28
0+50	7.0	321.4	✓ 316.60
1+0	11.1	317.3	✓ 312.20
			310.00
1+25 = Alley bet Louisiana & Texas	12.90	315.6	307.00
1+50	11.4	317.0	308.05
2+0	10.5	317.9	✓ 310.16
3+0	10.2	318.2	312.26
3+15 E. Texas for north M.H.	8.0	320.9	315.00
3+50	7.3	321.1	315.74
4+00	6.1	322.3	316.79
4+50	4.2	324.2	317.84
5+00	2.7	325.5	319.90
Alley bet Texas & Arizona			
5+04 M.H. for South ex	2.8	325.6	319.80
T.P. 12.89 352.45	2.82	325.56	
5+50	11.8	327.1	320.59
6+0	9.7	328.7	323.00
6+50	7.7	330.7	325.10
6+95 M.H. E. Arizona no ex.	5.5	332.9	327.00
7+0	5.22	333.23	327.95
7+50	2.00	336.4	331.90
T.P. 11.46 349.19	0.74	337.73	

64

cut,	322.14					
5.7	320.79	323.62	323.62	323.62	323.62	323.62
9.8	2.89	312.20	312.20	312.20	310.16	312.26
5.1	314.37	11.92	7.02	7.57	13.46	11.36
5.6 for MEX	320.62	323.62	323.62	323.62	323.62	323.62
8.6 ✓	317.84	210.00	15.74	16.77	17.84	
9.0 ✓	330.36	8.25	8.62	7.88	6.83	5.78
7.7 ✓	333.23	3.20	11.41	3.50	6.20	5.78
5.9 ✓	375.11 H.1	330.36	320.36	20.36	30.86	20.36
5.6 ✓		317.84	18.70	19.20	20.89	23.00
5.4 ✓		11.92	11.36	9.47	7.36	
5.4 ✓		330.36				330.36
5.4 ✓		325.10				327.00
5.4 ✓		5.26				3.36
5.5 ✓		45.11	45.11	45.11		
6.4 ✓		31.93				
6.6 ✓		13.18				
6.6 ✓					321.18 M.H.	
6.2 ✓					308.05	
5.7 ✓					13.13	
5.6 ✓						
5.9 ✓						
5.8						
4.5 ✓						

Page 202-72-75

695
Lag
885

34
172

		349.19	9.9	339.3	336.40
8+0					
8+50			3.5	395.7	340.88
T.P.	11.60	340.11	0.68	398.51	
9+0			7.45	352.66	345.35
50			1.2	358.9	349.83
T.P.	12.73	372.67	0.17	359.94	
10+0			9.18	363.19	359.20
10+50			5.6	367.1	358.78
10+75	M.H. Hamilton Noex.		4.4	368.3	361.90
11+0			2.0	370.7	361.63
50			2.52	370.15	362.90
T.P.	3.22	278.97	2.52	270.15	
12+0			8.0	271.00	364.17
50			6.8	272.2	365.44
13+0			5.6	273.4	366.71
50			5.22	273.75	367.98
13+90	FT. 25W of Oregon		4.8	274.2	369.00

345.11 - H1.

2.9 ✓	45.11	45.11	45.11	45.11	45.11
4.8 ✓	36.40	40.88	45.35	49.83	
7.3 ✓	8.71 ✓	4.23 ✓	76		
9.1 ✓		352.66			4.48
8.9 ✓		6.0			
8.3 ✓	359.26 H1.		59.26		
7.3 ✓	45.35		49.83 ✓		
9.1	13.91 ✓		9.43 ✓		
7.2 ✓		363.19			
6.8 ✓		5.68			
6.8 ✓	368.87 H1.				
6.7 ✓	354.30		68.87	68.87	
5.8 ✓	14.57 ✓		58.78	61.00	
5.2 ✓	2.29		10.09 ✓	7.87 ✓	
	16.81		2.29		
			12.33		
		370.15			1.27
		5.79			.27
		375.94 H1.		95.94	
		362.90		64.17	
		13.04 ✓		11.77 ✓	
	75.94	75.94	75.94	75.94	75.94
	65.44	66.71	67.98	69.00	
	105.0 ✓	9.23 ✓	7.96 ✓	6.74 ✓	

126

Corner of Alley between Florida & Georgia from 40' W of
 N.L. University to E Alley between El Cajon & Howard,

Sta	+ R	M.H.	- R	Level on Stake	Grade
B.M. Men N.E. cor Alabama				265.57	
B.M.	12.35			277.95	
T.P.	12.32		0.33	277.62	
T.P.	11.74		0.61	289.33	
T.P.	12.00		0.44	300.63	
T.P.	7.04		1.58	311.05	
0+0 = Dead end			3.8	314.3	310.00
0+50			3.34	314.75	309.59
1+0			2.9	315.2	309.17
1+20			4.7	313.4	309.00
2+0			5.27	312.82	307.19
2+70			8.5	309.6	304.17
3+50			12.30	305.79	301.15
T.P.	2.79	303.58	12.30	305.79	
3+0 M.H.			5.2	303.4	298.13
4+0			8.4	300.2	295.11
4+0			11.95	296.63	292.09
T.P.	1.92	298.55	11.95	296.63	
4+50			6.2	292.4	289.07
5+0			10.7	287.9	286.05
5+0			12.78	285.77	283.03
T.P.	7.31	293.08	12.78	285.77	
6+0 = M.H. & Lincoln			9.7	283.4	280.00
6+50			9.7	285.4	280.70
7+0			9.7	285.4	281.97

Cut

Sta	Cut
	314.75 +56 317.31 M.
	17.31 17.31 17.31 17.31 17.31 17.31
	10.00 9.59 9.17 9.00 7.19 4.17
	7.91 7.72 8.14 8.31 10.12 13.14
	305.79 1.94 307.73 M. 301.15 6.58
	297.66 7.60
	307.73 307.73 307.73 307.73
	298.13 295.11
	9.60 12.52
	296.63 1.03 297.66 M. 292.09 5.57
	297.66 297.66 297.66 297.66
	289.07 286.05 8.59 11.61
	285.77 3.22 288.79 M. 283.03 5.76
	58.99 88.99 88.99
	80.00 80.73 81.47
	5.99 8.26 7.52
	297.66 285.77 11.89

66

Pages 192-93

293.08

7+50		7.7	285.4	282.20
8+0		6.7	286.4	282.94
x 7+50		^{B.M.} 5.80	287.3	283.67
9+0		4.5	288.6	284.41
9+90 M.H.		11.55	291.53	285.00
T.P.	12.82	304.35	1.55	291.53
x 9+50		11.95	292.40	285.58
10+0		9.9	294.5	288.46
10+50		5.2	299.2	291.35
11+0		^{B.M.} 2.34	302.01	294.23
T.P.	9.02	311.04	2.34	302.01
7+50		6.9	304.1	297.12
12+0 = F.T. 40' S of P.M.K.		6.5	304.5	300.00
<hr/>				
			311.04	
13+60 = D.F.		^{B.M.} 4.37	306.67	303.00
14+0		3.6	307.4	302.10
5+0		5.1	305.9	300.95
15+0		6.5	304.5	299.85
+50		9.1	301.9	298.73
16+50 = M.H. break		10.7	300.3	297.60
+50		11.4	299.6	297.38

67

3.2 ✓	288.99 = N.1.			
3.5 ✓	88.99	88.99	88.99	88.99
	82.20	82.94	83.67	84.41
3.6 ✓	6.79	6.05	5.32	4.55
	292.40 B.M.			
4.2 ✓	285.77 B.M.	857		
	500	9077	9077	9077
6.5 ✓	290.77	8294	8367	8441
	282.20	08.57 ✓	7.83 ✓	7.10 ✓
6.8 ✓			6.36 ✓	5.77 ✓
6.0 ✓	9077	9077	9077	
	8558	8846		
	5.19 ✓	231 ✓		
7.8 ✓	292.40			
	10.12			
7.8 ✓	302.52 = N.1	302.52	302.52	
	288.46	291.35	294.23	
	14.06	11.17	8.29 ✓	
7.0 ✓	302.52	302.52		
	297.12	300.00		
4.5 ✓	5.40 ✓	2.52 ✓		
<hr/>				
3.8 ✓	2.98.05			
	1.39	309.39	302.10	
	309.39			
	303.00			
	6.39	7.27		
5.3 ✓	305.71 = N.1.	305.71	305.71	305.71
	298.23	297.60	297.85	300.98
4.9 ✓	6.98 ✓	8.11 ✓	5.86 ✓	4.73 ✓
4.7 ✓	305.71	305.71		
	302.10	303.00		
	3.61 ✓	2.71 ✓		
3.2 ✓				
2.7 ✓				
2.2 ✓				

311.04

17+0			B.M.	298.05	297.16
T.P.	10.23	308.28	12.99	298.05	
+50			10.2	298.1	296.93
18+0			8.4	299.9	296.71
+50			6.0	302.3	296.49
19+0			5.0	303.3	296.26
+50			5.2	303.1	296.04
+60 = M.H. & Howard.			5.3	303.0	296.00

308.28

0+0 = D.E. 40' N of Howard.			B.M.	304.91	301.00
+50			1.7	306.6	300.66
+70	51		2.3	306.0	300.32
+96 ⁵ = M.H. & Alley			2.3	306.0	300.00

298.05

7.66

305.71 M.L.

297.16

8.55

17+50

18+00

68

305.71

305.71

305.71

296.93

296.71

296.49

8.78

9.00

9.22

0.9

1.2

3.2 ✓

5.8 ✓

7.0 ✓

7.1 ✓

7.0 ✓

305.71

297.38

8.33 ✓

305.71

296.26

9.45

304.91

3.48

308.39 M.L.

301.00

7.39 ✓

308.39

308.39

308.39

300.66

300.32

300.00

7.73 ✓

8.07 ✓

8.39 ✓

308.39

296.49

1.90

308.39

296.26

12.13 ✓

308.39

296.00

12.39 ✓

308.39

296.04

12.35 ✓

3.9 ✓

5.9 ✓

5.7 ✓

6.0 ✓

Sewer in alley bet. Utah & Idaho
of Harvard to center alley north of

Sta	H.I.	Rod	Elev.	Grade	Cut
0+00	6.27 old F.I. ab. mt 35 379.28	6.3	373.01 373.0	368.50	4.5
+50	South of Harvard center alley bet. Utah & Idaho.	6.3	373.0	388.70	4.3
1+00		5.90	373.38	368.90	4.5
+50	0.4 % grade 374.3 369.7 4.6	5.0	374.3	369.10	5.2
2+00		5.3	374.0	369.30	4.7
+50		4.9	374.4	369.50	4.9
3+00	M.H. center alley no. of Harvard 105' to cut hub	4.63	374.65	369.70	5.0
+50		4.6	374.7	370.10	4.6
4+00	0.8 % grade	4.1	375.2	370.50	4.7
+50		5.0	374.3	370.90	3.4
+89.83	center Idaho. dead end.	4.9	374.4	371.22	3.2

from F.J. Smith near 1/16 of
Howard + west to center Idaho
69
sluic

Grade cut

0.6
0.8
3.2

12/1/20

Wright.
Thorp.
Ellis.
Shaw.

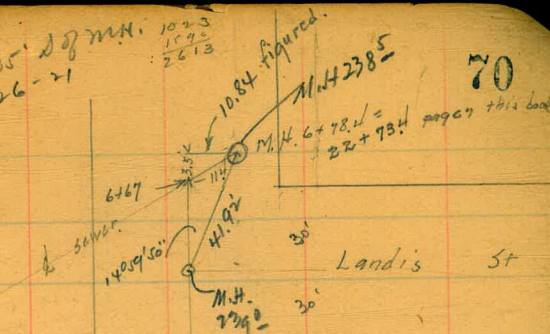
Sewer Levels on 4 Alabama
from NL Dwight to NL Landis
also 4 of Alabama.

	0.18	256.14	255.96	BP. NE Dwight + Ala.
0+00 = NL Dwight.			255.27	on stub
+50		4.0	254.1	
1+00		7.3	248.8	
+37.63		9.6	246.5	
+50		10.1	246.0	
+77.63 = 6 of Cypress		10.4	245.72	on stub.
+17.63 = NL		10.6	245.5	
+50		9.9	246.2	
3		8.6	247.5	
+50		7.5	248.6	
4		6.6	249.5	
+30		6.7	249.4	
5		8.0	248.1	
+50		9.6	246.5	
6		11.0	245.1	
+50		10.70	245.4	
+67 Δ		10.30	245.8	
		10.73	245.91	= Top M.H.
+78.4 = M.H.		26.13	230.01	Flow line

373

Extended 35' of M.H. 1023
11-26-21 1143
2613

See 915-68



70

Landis St



-D.E. 247°-

Dwight St

Power Line & Lincoln from M.H. & Florida to M.H. & Alley
between Florida & Georgia

Sta	+ R	H.T.	- R	elev top stakes	Grade
B.M.	10.88	271.86		260.98	
0+0 = M.H. & Florida			11.4	260.5	256.00
450			6.2	265.7	262.81
T.P.	12.51	284.05	0.32	271.59	
1+0			11.5	272.6	268.63
1+50			6.9	277.2	274.25
1+90 = M.H. & Alley			0.65	283.40	280.00

192
193

Power Line & Howard from M.H. & Florida to E

Alley between Georgia & Florida

Sta	+ R	H.T.	- R	elev top stakes	Grade
B.M.	11.27	302.77		291.50	287.00
0+0 = M.H. & Florida			11.27	291.50	287.00
0+50			9.0	293.8	289.37
1+0			6.0	296.8	291.79
1+50			2.5	300.3	294.11
1+90 = M.H. & Alley				303.0	296.00

CUT STAKES

260.98	
11.27	
272.27 - H.T.	
262.31	
9.96 ✓	
1.5	
3.4 ✓	
4.0 L	
2.3 ✓	
3.4 L	

280.00
4.17
288.17
285.40
2.77

71
272.27
3.65
268.62
12.11
280.73 H.I.
274.95
5.78 ✓
280.73
280.00 ✓
0.73 M.I.

2.37 2.37

293.80
1.79
301.79 H.T.
299.37
12.42 ✓

301.79 301.79
291.74 294.11
10.05 ✓ 7.68 ✓

CUT

4.5
4.5
4.4 ✓
5.1 ✓
6.2 ✓
7.0

over E. Dale from M.H. & Beech to D.E. 90'

of N.L. Ash	H.I.	-R	dev top stages	Grade
370 + R			223.29	
M.H. & Beech	227.88			
457				
0+0 = M.H. & Beech		19.30	213.6	207.50
0+50		13.8	214.1	208.08
1+0	5	13.4	214.5	208.67
1+50		11.8	216.1	209.25
2+0		12.00	215.9	209.84
2+50		12.2	215.7	210.42
3+0 = D.E. 90' of N.L. Ash		12.1	215.5	211.00

In Tag 260

Installed 1911

Cut			
6.1	223.29		380
	0.02		
	223.81 H.I.	208.67	3274
	8.80	10.47	
6.0	214.57 J.P.	209.25	25048
	4.63	9.89	
5.7	219.14 H.I.	209.84	28028
	208.08	9.30	
	11.06	210.42	
		8.72	
6.1			
5.3			
4.5			

Water & Top Stakes for Proposed Sewer & Date Beginning
 of M. Ash thence to E of A thence W to M.H. & of
 29th Bot. Stakes set on & offset elev. Top
 + A M.H. - R. elev. Top
 57th 223.29 Grade cut
 58th M.H. S.E. 32th & Beach 227.86
 60th 15.64 12.47 214.09
 0+0 = 20 S of S.W. Ash 2.5 213.1 208.50 5.1
 0+50 3.8 211.8 207.34 4.5
 1+0 4.0 211.6 206.67 4.9
 1+50 4.1 211.5 206.00 5.5
 2+0 5.01 210.63 205.33 5.3
 2+50 5.9 209.7 204.67 5.0
 3+0 6.76 208.88 204.00 4.9
 3+50 12.9 202.7 195.01 7.7
 2.29 205.02 12.41 202.73
 3+65 break in grade 4.7 200.3
 3+83 = E of A & Date Produced 14.3 190.7 189.00 1.7
 4+0 13.3 191.7 188.92 2.8
 4+50 8.4 196.6 188.69 7.9
 5+0 9.72 195.30 188.46 6.8
 5+50 8.7 196.3 188.23 8.1
 T.P. 0.75 193.34 12.43 192.59
 6+0 2.76 190.38 188.00 2.6
 6+50 9.4 183.9 176.98 6.9
 7+60 M.H. & A.S.W. of 29th 22.3 178.2 174.00 4.2

Jan 21/12
 cut stakes
 190.58
 0.85
 191.43 H.I. 190.58
 15.2 0.46
 178.2 191.04 H.I.
 7.15 190.58
 183.89 T.P. 8.06
 5.62 199.04 H.I.
 189.51 H.I. 188.00
 176.98 11.04
 12.53
 188.69 188.92 188.00
 208.88 10.33 10.12 10.0
 0.06 208.88
 208.82 H.I. 5.23
 195.01 214.11 H.I. 204.67
 13.81 204.00 9.44
 10.11
 205.33 206.00 206.67 207.34 208.00
 8.78 8.11 7.44 6.77 6.11

Jaggs
 Evans
 73



Nov 14
Sta 100
B. 100
0 070 =
045
14
11
11

257.88
13.07

200.75

306.19
4.22

301.97
227.84
12.10

215.74

300 350 11.17
300 5.5

500 5.9 15.1
200 0 7.2

300 22.3

192.59
7.01

201.60
9.16

217.94
4.22

197.94
4.22

196.96
4.22

196.94

M.H. & Univ Ave & W.L. Richmond 290.60
M.H. & Univ Blvd & Univ Ave 296.00
M.H. & Univ Ave & Alley E of Univ Blvd 297.60
E. Town Alley bet Univ & Essex 290.00
" " " Essex & Robinson 290.00

FT. 30432 Howard

266 700 (2.63
320.34 532 16
7.64 11.680 1578
316.19 15.96 353.0
9.49 84.8
320.34 778.5208
1.58
322.12

6.78 45.00 (663
4068
4820 4.90
4068 3.63 350.33
2520 29.40
888.8 (4500 (506
4440
56000

196.2 2000 (1.0467 2301 (492
7262 1868
3800 4360
4221
11.2 22 99
142 93 165
224 125
172

21 72 267
102
38
510 291
306 15
3570 1405 1000
281 250
4215 3512.5 2895
279.49 474.58
5.52 1.09
279.01 273.99
2.52
579.01
7.90
271.11 372.60
5.56 377.56
378.16 9.92
573.02 372.66
4.54
377.56

