

NAME Kensington - Bel Air

Class _____ Course _____ Party _____

WATSON, VALLE & GOUGH

464

1956

FIELD NOTES

No. 403P

ESPECIALLY ADAPTED

TO THE USE OF

ENGINEERING STUDENTS

EUGENE DIETZGEN Co.

MANUFACTURERS

DRAWING MATERIALS

MATHEMATICAL AND SURVEYING INSTRUMENTS

MEASURING TAPES

CHICAGO SAN FRANCISCO NEW YORK
NEW ORLEANS PITTSBURGH

MICROFILMED

DEC 30 1964

3

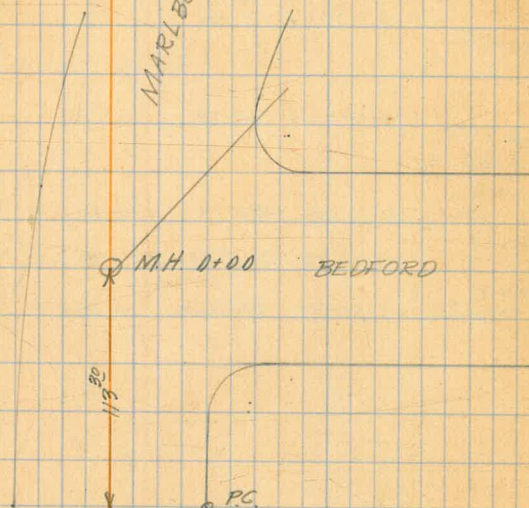
MARLBOROUGH

M.H. 0+00 BEDFORD

113⁸⁰

P.C.

E St.



"A"

SOUTH SIDE OF CANYON

STA.	TRANSIT PT.	HOR. L	VER. L	INT.	DIST.	DIF-ELEV.	ELEVATION GRND GRADE	±	
0+00	0						300.00	300.00	M.H. Int Bedford & Marlborough see Page 1.
3+15		45° 59' Rt.	-1° 43'	3.14	3.15	-9.43			
3+14	1						290.57	278.00	+12° Grade at 35° Lt.
4+44		35° 23' Rt.	-4° 55'	1.29	1.29	-11.10			
4+43	2						279.47	269.00	+10° Grade at 15° Lt.
		49° 43' Rt.	+4° 00'	1.75	1.75	+12.25	(291.7)		Shot to pt. on edge of Canyon on E of Bedford produced Northward
		20° 34' Rt.	-3° 48'	7.12	7.08	-47.20			
11+52							232.27	219.3	+13° Grade 20° Lt.
11+51	3								
24+35		48° 24½' Lt.	-4° 29'	12.90	12.83	-100.57			
24+34	4						131.70	129.6	+2°
26+19									
26+18		18° 33' Lt.	-29° 11'	2.40	2.40	-102.54	29.12	116.7	West bank of Mahogany Wash.
28+71									
28+70		12° 14' Lt.	-12° 48'	4.57	4.36	-98.93	32.73		Shot to Pt. Sta 74+97 Appr.
38+30									
38+29		8° 06' Rt.	+5° 21'	14.06	13.95	+130.57	262.23		Shot in Saddle, East of Mahogany

E.P. Chilton
Wally Reed
E. McGowan
2-27-1928

2.

Elev. Based on 7 1/2' Grade

TRANSIT

"B" NORTH SIDE OF CANYON

EP Chilton
Walky Reed
E. McGowan
2-27-1928
3.

STA.	HORIZ.	VERT.	INT.	DIST.	DIF-ELEV	ELEVATION		
						GRND	GRADE	
0 0+00				✓	✓	300.00	300.0	M.H. Int. Bedford & Marlborough. See page 1.
	27° 10' Rt.	-1° 34'	4.55	455	-12.45			
1 4+55				✓	✓	287.55	268.15	+19 ⁴ Grade 40' Rt.
	65° 11' Rt.	-5° 38'	8.03	795	-78.55			
2 12+50				✓	✓	209.00	212.5	-3 ⁵
	13° 11' Lt.	-5° 51'	2.10	209	-21.40			
3 14+59				✓	✓	187.60	192.0	-10 ⁴
	23° 02' Lt.	-1° 00'	1.14	115	-2.00			
4 15+74				✓	✓	185.60	189.8	-4 ²
	8° 23' Lt.	-4° 50'	7.03	699	-59.14			
5 22+73				✓	✓	126.46	140.9	-14 ⁵ Grade 20' Lt.
	18° 13' Lt.	-7° 10'	2.25	223	-27.98			
6 24+96				✓	✓	98.48	125.3	-26 ⁸ Grade 40' Lt.
	41° 01' Lt.	+0° 46'	0.47	48	+0.64			
7 25+AA				✓	✓	99.12		
	22° 34 ¹ / ₂ Lt.	+1° 50'	1.35	136	+4.35			
8 26+80				✓	✓	103.47		
28+02	88° 41' Rt.	-31° 11'	1.66	(122)	(-73.0)	30.47		Shot in bottom of Mahogany
31+11	91° 53' Rt.	-9° 34'	4.43	(431)	(-72.8)	30.67		Shot on nail at 78150 Mahogany

Elev based on 7 1/2 Grade

Chilton
Anderson
Reed
4-27-28

4

TIE TO 'B' LINE

STA.	HORIZ	VERT	INT	DIST	DIF-ELEV
0+00					
		+1° 36'	455	455	+12.69
4+55	72° 58' Lt.				
		+2° 45'	346	345	+16.57
8+00	23° 52' Rt.				
		+11° 15'	3.08	296	+58.95
10+16	B 15° 05' Lt.				
26+80					
25+44	B 7' ↓				

ELEVATIONS
GROUND GRADE | DIF.

0.00	Assumed	
12.69	15	-2 ³
29.26	42.6	-13 ³
88.21	66.3	+21.9
113.47		+17.9

Sta. 87+50 MAHOGANY

on other line see Page 3

This data indicates that
an 8% grade could be
used on this line

B/M # 40 - 100' Rt. 353+50 - 304.04

" # 39 - 75' Rt. 346+40 274.64

" # 38 - 50' Rt. 339+00 263.61

" # 37 - 60' Rt. 331+60 253.76

10.68
 100
 101.28
 45
 101.73
 5.26
 96.47 p
 8.63
 105.10 #1
 4.24
 100.867
 5.55
 7.9201
 0.22
 106.117
 117
 117.84
 92
 116.99

453
 308
 798
 802
 1094

552
 455
 2760
 2760
 8022
 2511.60

017
 82
 55
 17
 69
 23

10.68
 100
 101.28
 45
 101.73
 5.26
 96.47 p
 8.63
 105.10 #1
 4.24
 100.867
 5.55
 7.9201
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 7.9201
 0.22
 106.117
 117
 117.84
 92
 116.99

BM # 40 - 100' Pt. 353+50 - 302.04

" # 39 - 75' Pt. 346+40 274.64

" # 38 - 50' Pt. 339+00 263.61

" # 37 - 60' Pt. 331+60 253.76

.0635
.1270
.1905
.2540

127
32

10+50

100.3 - 12+75

100.363 13+00

100.490 +25

100.68 - +50

100.93 - +75 P.V.C.

101.25 14-

101.88 14+50 P.V.C.

102.034 +75

102.024 - 15+00

101.851 +25

101.525 +50 P.V.C.

100.52 16+00

99.52 +50

99.92 109.97

1.27
2
57327 1.654
30 25
27 1.635
25
20

~~1.135~~
~~0.3270~~
~~1.905~~
~~0.6540~~

.3275
1.635
.1540

-.0095
1.635
-.1730
1.635
-.3365

2997
.5994

757.14
7635
33.49

296
23.68

1096
87.68
424