

1966

COUNTY
DE SOTO
SARASOTA

82 0040

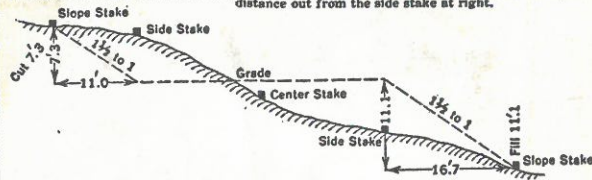
1
9
6
6

46

DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING

Roadway of any Width. Side Slopes $1\frac{1}{2}$ to 1.

In the figure below: opposite 7 under "Cut or Fill" and under 3 read 11.0, the distance out from the side stake at left. Also, opposite 11 under "Cut or Fill" and under .1 read 16.7, the distance out from the side stake at right.



Cut or Fill	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	Cut or Fill
	Distance out from Side or Shoulder Stake										
0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	0
1	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	1
2	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.4	2
3	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.6	5.7	5.9	3
4	6.0	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.4	4
5	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.6	8.7	8.9	5
6	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.1	10.2	10.4	6
7	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.6	11.7	11.9	7
8	12.0	12.2	12.3	12.5	12.6	12.8	12.9	13.1	13.2	13.4	8
9	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.6	14.7	14.9	9
10	15.0	15.2	15.3	15.5	15.6	15.8	15.9	16.1	16.2	16.4	10
11	16.5	16.7	16.8	17.0	17.1	17.3	17.4	17.6	17.7	17.9	11
12	18.0	18.2	18.3	18.5	18.6	18.8	18.9	19.1	19.2	19.4	12
13	19.5	19.7	19.8	20.0	20.1	20.3	20.4	20.6	20.7	20.9	13
14	21.0	21.2	21.3	21.5	21.6	21.8	21.9	22.1	22.2	22.4	14
15	22.5	22.7	22.8	23.0	23.1	23.3	23.4	23.6	23.7	23.9	15
16	24.0	24.2	24.3	24.5	24.6	24.8	24.9	25.1	25.2	25.4	16
17	25.5	25.7	25.8	26.0	26.1	26.3	26.4	26.6	26.7	26.9	17
18	27.0	27.2	27.3	27.5	27.6	27.8	27.9	28.1	28.2	28.4	18
19	28.5	28.7	28.8	29.0	29.1	29.3	29.4	29.6	29.7	29.9	19
20	30.0	30.2	30.3	30.5	30.6	30.8	30.9	31.1	31.2	31.4	20
21	31.5	31.7	31.8	32.0	32.1	32.3	32.4	32.6	32.7	32.9	21
22	33.0	33.2	33.3	33.5	33.6	33.8	33.9	34.1	34.2	34.4	22
23	34.5	34.7	34.8	35.0	35.1	35.3	35.4	35.6	35.7	35.9	23
24	36.0	36.2	36.3	36.5	36.6	36.8	36.9	37.1	37.2	37.4	24
25	37.5	37.7	37.8	38.0	38.1	38.3	38.4	38.6	38.7	38.9	25
26	39.0	39.2	39.3	39.5	39.6	39.8	39.9	40.1	40.2	40.4	26
27	40.5	40.7	40.8	41.0	41.1	41.3	41.4	41.6	41.7	41.9	27
28	42.0	42.2	42.3	42.5	42.6	42.8	42.9	43.1	43.2	43.4	28
29	43.5	43.7	43.8	44.0	44.1	44.3	44.4	44.6	44.7	44.9	29
30	45.0	45.2	45.3	45.5	45.6	45.8	45.9	46.1	46.2	46.4	30
31	46.5	46.7	46.8	47.0	47.1	47.3	47.4	47.6	47.7	47.9	31
32	48.0	48.2	48.3	48.5	48.6	48.8	48.9	49.1	49.2	49.4	32
33	49.5	49.7	49.8	50.0	50.1	50.3	50.4	50.6	50.7	50.9	33
34	51.0	51.2	51.3	51.5	51.6	51.8	51.9	52.1	52.2	52.4	34
35	52.5	52.7	52.8	53.0	53.1	53.3	53.4	53.6	53.7	53.9	35
36	54.0	54.2	54.3	54.5	54.6	54.8	54.9	55.1	55.2	55.4	36
37	55.5	55.7	55.8	56.0	56.1	56.3	56.4	56.6	56.7	56.9	37
38	57.0	57.2	57.3	57.5	57.6	57.8	57.9	58.1	58.2	58.4	38
39	58.5	58.7	58.8	59.0	59.1	59.3	59.4	59.6	59.7	59.9	39
40	60.0	60.2	60.3	60.5	60.6	60.8	60.9	61.1	61.2	61.4	40

KEUFFEL & ESSER CO.

If found return to:

Jon D. Tremper

Florida Geological Survey

P.O. Box 631

Tallahassee, Fla.

The paper in this book is made of 50% high grade rag stock with a WATER RESISTING surface sizing.

Well #	INDEX Page	WELL #	PAGE
7470	1	5950	33
Al Stokes	3	5944	35
SRD	5	OLD NURSERY	37
MIDWAY GROVE	7	6846	39
7413	11	5967	41
CONSUMERS	13	5966	41
MONTGOMERY WARD	15	7212	43
CIRCUS (LGE.)	17	7333	45
CIRCUS (SMALL)	17	6162	47
6089	21	6132	49
BOBBY JONES WELL #5	21	LAKE IOLA	51
6078	23	7397	53
S. IRRIGATION	25	5136	55
6875	27	USGS #15	57
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BOBBY JONES #1	31	USGS Alameda	63
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Well #	Page	Well #	Page	Well #	Page				
USGS 22nd Bay	65	6726	99	6129	133				
6157	67	6006	101	6245	135				
7341	69	6134	103	6426	137				
7684	71	6131	105	6717	139				
6718	73	5189	107	6719	141				
6057	75	6171	109	CADY GROVE	143				
6056	77	6348	111	7645	145				
6877	79	6345	113	6242	147				
6344	81	6099	115	CITY OF ARCADIA	149				
6844	83	7460	117	TEST WELLS	151				
7461	85	6464	119						
6419	87	6347	121						
COON KEY CITY WELL	89	7176	123						
6277	91	6922	125						
6921	93	6882	127						
6126	95	7197	129						
6724	97	6130	131						

Interrupted line -
clutch out

4/5/66

W-7470 B.S. I.H. F.S. E.I.V.

B.M.

Ass
100'

Sarasota Co.

Afternoon - cloudy

Jeff - Rod

Jon - Level

T.P.₁ 3.88 103.88 4.92 98.96

T.P.₂ 4.76 103.72 5.02 98.70

top of
casing
AIRPORT

T.P.₃ 5.01 103.71 4.90 98.81

TP₄ 4.51 103.32 4.62 98.70

TP₅ 5.40 104.10 5.09 99.01

B.M USC+GS

TP₆ 5.30 104.31 4.49 99.82

W-7470

K186

1965

Ass. 100'

B.M. 98.82

E.I.V.

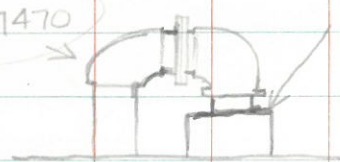
T.P.₁ 4.31 103.13 4.15 98.98

5.70 104.68 5.07 99.61

4.56 104.17 4.78 99.39

Ringling
Well
Top of
CASING

W-7470



14.57

14.00

100.00
99.82
.18

29.04
28.86
.18



ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
NORFOLK REGIONAL OFFICE
NORFOLK, VA. 23510

IN REPLY REFER TO:

August 19, 1966

Mr. Jon D. Tremper
Florida Geological Survey
2257 6th Street
Sarasota, Florida

Dear Mr. Tremper:

Enclosed is a copy of Florida line 43 that you requested in your letter. As for the elevation of the brass disk set in the concrete spillway between upper Myakka Lake and the Myakka River, I was unable to find it. You might check with the U.S. Army Corps of Engineers.

The field elevation of USC&GS K 196 1965 is 7.0193 meters.

If we can be of additional service, please feel free to call on us.

Sincerely yours,

J. Bull
J. Bull, CAPT., USESSA
Director, Atlantic Marine
Center

AGD:dw

Enclosure

AI Stokes	B.S.	I.H.	F.S.	EIV.
B.M.				20.830
TP ₁	^{3 2} 5.42	26.25	^{3 2} 4.31	21.94
TP ₂	4.70	26.64	4.91	21.73
TP ₃	4.36	26.09	4.53	21.56
TP ₄	4.27	25.83	4.69	21.14
TP ₅	4.53	25.67	5.11	20.56
TP ₆	4.27	24.83	3.87	20.96 T.B.M.
TP ₇	<u>3.71</u>	<u>24.67</u>	<u>4.45</u>	<u>20.22</u>
	31.26		31.87	61
			26	20.83
			61	

4/9/66

Cloudy Aft.

Sarasota Co.

Jeff-Rod

Jon - level

B.M. - USC+GS

G 39 1933

EIV. 20.830

EIV
20.22



SRD B.S. I.H. F.S. EIV.

B.M. 20.830

TP₁ 2.1 5.18 26.01 4.89 21.12 19.25 1.58

TP₂ 4.41 25.53 4.89 20.64

TP₃ 4.30 24.94 4.89 20.05

TP₄ 3.30 23.35 4.61 18.74

TP₅ 4.51 23.25 4.87 18.38

TP₆ 5.92 24.30 5.05 19.25

27.62 29.20 27.62 1.58

4/9/66

Sarasota Co

cloudy day (RAIN)

Jeff - rod

Jon - level

B.M. USC4GS

039 1933

EIV 20.830

WELL
HOUSE

19.25
EIV.

MIDWAY
GROVE

B.S. I.H. F.S. ELV

Ass.

100

4/9/66

Sarasota Co.

cloudy aft.

Jeff - Rod

Jon - level

B.M. USC+GS.

K 186

1965 No Elv.

slw = 7.0193 meters

B.M.

TP₁ ⁶ 3.88 103.88 ⁷ 4.99 98.89TP₂ 6.01 104.90 5.44 99.46TP₃ 6.04 105.50 4.54 100.96TP₄ 5.55 106.51 6.02 100.49TP₅ 4.50 104.99 4.92 100.07TP₆ 4.95 105.02 5.13 99.89TP₇ 4.37 104.26 4.37 99.89TP₈ 5.77 105.66 4.46 101.20TP₉ 4.04 105.24 2.76 102.48TP₁₀ 4.98 107.48 4.33 103.13TP₁₁ 4.85 107.98 4.09 103.89TP₁₂ 5.04 108.93 4.38 104.55TP₁₃ 4.45 109.00 4.59 104.41TP₁₄ 5.05 109.46 5.22 104.24TP₁₅ 4.14 108.38 4.02 104.36TP₁₆ 5.30 109.66 3.96 105.70

(7)

78.92

73.22

(8)

105.10

	2'		2'	
TP ₁₇	4.53	110.23	5.65	104.58

TP ₁₈	4.00	108.58	5.21	103.37
------------------	------	--------	------	--------

TP ₁₉	4.84	108.21	4.54	103.67
------------------	------	--------	------	--------

TP ₂₀	4.87	108.54	5.07	103.47
------------------	------	--------	------	--------

TP ₂₁	4.54	108.01	5.61	102.40
------------------	------	--------	------	--------

22.78

26.08

78.92

73.22

101.70

99.30

99.30

2.40

B.M.

+ 2.40

EIV



W-7413 B.S. I.H. F.S. EIV

B.M	21		11		20.96
TP ₁	4.28	25.24	5.87	19.37	18.20
TP ₂	4.83	24.20	5.18	19.02	2.76
TP ₃	4.91	23.93	5.73	18.20	
TP ₄	14.02		16.78		
TP ₅			14.02		
TP ₆			2.76		

Sarasota Co. 4/11/66

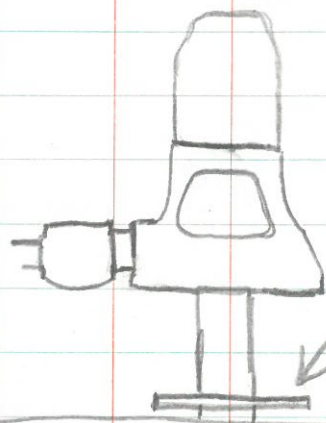
cloudy morn.

Jeff - Rod

Jon - Level

T.B.M. from USC + GS

EIV 20.96



18.20

EIV

Consumer's
(At sewage
plant)

B.S. I.H. F.S. Elv.

B.M. 19.02

T.P.₁ 4.91 23.93 ^{2 2} 6.67 17.26

TP₂ 4.33 21.59 5.97 15.62

TP₃ 5.07 20.69 3.37 17.32

14.31 16.01 1.70

14.31 18.02

1.70

Sarasota Co. 4/11/66

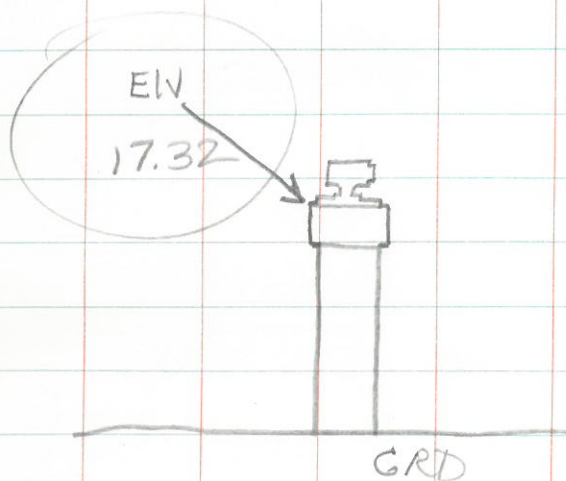
Cloudy morning

Jeff-Rod

Jon-Level

B.M. from USC&GS

Elv. 19.02



Mont. Ward. B.S. I. H. F.S. EIV

B.M.					19.25
					2.02
TP ₁	4.63	23.88	6.32	17.56	17.23
TP ₂	4.62	22.18	4.19	17.99	
TP ₃	5.21	23.20	6.25	16.95	
TP ₄	6.03	22.98	5.75	17.23	GRD
			3.97	19.01	CSG
	20.49		22.51		
			20.49		
			2.02		

19.01
17.23
1.78

Sarasota Co. 4/11/66

cloudy morn

Jeff - rod

Jon - level

B.M. from USC+GS
(SRD WELL)

PUMP
HOUSE

1.78'

19.01
EIV.

GRD
17.23

CIRCUS LOT

LARGE OBS.
WELL

B.S. I.H. F.S. EIV

B.M.

30.13

^{2 2}
 TP₁ 3.44 33.57 4.64 28.93

1.15

^{1 1}
 TP₂ 4.56 33.49 4.33 29.16

 TP₃ 4.44 33.60 5.17 28.43 - WELL
 5.37 28.23
TP₄ 5.11 33.34 6.33 27.01TP₅ 4.99 32.00 3.02 28.98small
well

22.54

23.69

22.54

1.15

22.54

23.69

30.13

18.39

24.51

22.56

40.93

48.20

7.27

40.93

7.27

Sarasota Co. 4/11/66

Cloudy Aft.

Jeff - Rod

Jon - LEVEL

B.M. USC & GS

SARASOTA A

1942

EIV. 30.131

EIV.
28.43

CONC.

EIV.
28.98

14.14

12.44

1.70

B.S. I.H. F.S. E/v.

B.M.

28.98

^{2 2}
 TP₁ 3.99 32.97 7.40 25.57

^{1 1}
 TP₂ 4.65 30.22 6.14 24.08
TP₃ 5.18 29.26 5.70 23.56TP₄ 4.57 28.13 5.27 22.86

18.39

24.51 6.12

18.39 28.98

6.12

CHECK RUN

B.S. I.H. F.S. E/v.

B.M.

22.86

^{3 3}
 TP₁ 5.27 28.13 4.56 23.57
TP₂ 5.99 29.56 3.96 25.60TP₃ 5.41 31.01 3.15 27.86TP₄ 4.32 32.18 5.04 27.14TP₅ 4.07 31.21 3.93 27.28TP₆ 5.98 33.26 3.37 29.89TP₇ 5.33 35.22 4.78 30.44

34.37

28.79

28.79

7.56

Sarasota Co. 4/11/66

cloudy Aft.

Jeff-rod

Jon-level

B.M. from USCGS

E/v. 28.98

USGS R.M. E/v 22.55

7.58

30.13

7.27

7.58

.31

22.55

30.13

7.27

22.86

^{3 1}
 30.44

22.86

7.58

^{1 1}
 36.37

28.79

7.58

(19)

(20)

W-6089 B.S. I.H. F.S. EIV

B.M., 22.55

TP₁ 4.83 27.38 5.78 21.60

TP₂ 3.39 24.99 6.35 18.14

TP₃ 4.52 22.66 4.14 18.52

12.74

16.77

4.03

12.74

22.55

4.03

Bobby Jones Well #5

18.52

TP₁ 3.64 22.16 3.23 18.93

TP₂ 5.55 24.48 3.03 21.45

9.19

6.26

2.72

6.26

18.52

2.93

Sarasota Co. 4/12/66

clear morn.

Bobby Jones Jeff - rod

Well #2 Jon - level

B.M. - USGS R.M.

EIV 22.55

#2

EIV
18.52

EIV
21.45

W-6078 B.S. I.H. F.S. Elv.

B.M.

TP₁ 4.49 27.04 4.77 22.27

TP₂ 4.75 27.02 5.74 21.28

TP₃ 4.35 25.63 3.53 22.10

13.59

14.04

13.59

45

Sarasota Co

4/12/66

22.55

Bobby Jones

clear aft.

3

Left - rod

Jon - level

B.M. from USGS R.M.

Elv 22.55



Elv
22.10

South
IRRIGATION B.S. I.H. F.S. EIV.

B.M

21.45

TP₁ 3.04 24.49 3.95 20.54

TP₂ 3.38 23.92 3.61 20.31

TP₃ 6.42 7.56
6.42

TP₄ 1.14

Sarasota Co.

Bobby Jones

So. Irrigation

4/12/66

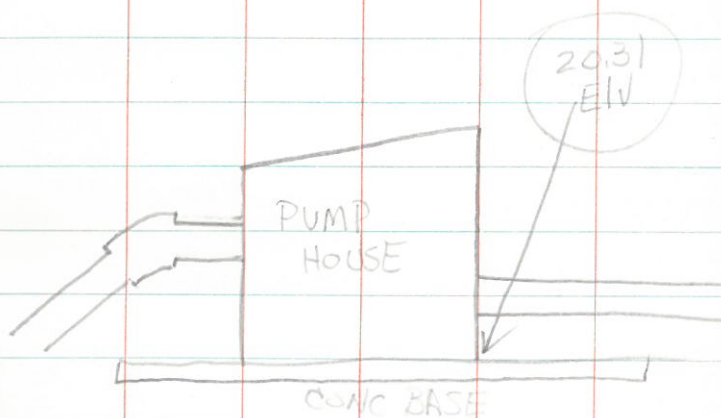
clear morn.

Jeff-rod

Jon-level

B.M. from USC & GS

EIV 21.45



W-6875 B.S. I.H. F.S. EIV.

B.M

22.10

TP₁ 3.42 25.52 3.98 21.54

TP₂ 5.18 26.72 3.70 23.02

TP₃

N. Irrigation

23.02

TP₁ 3.25 26.27 5.34 20.93

TP₂ 2.47 23.40 5.42 17.98

TP₃ 5.31 23.29 3.66 19.63

11.03

14.42

11.03

3.30

Sarasota Co.

4/12/66

Bobby Jones

cloudy aft.

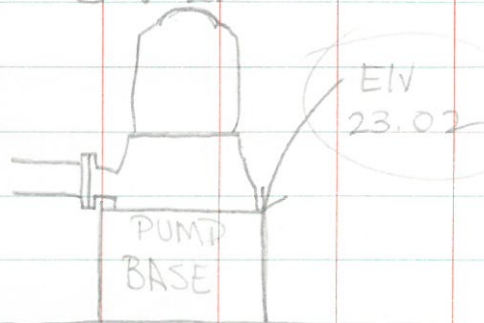
#4

Jeff - rod

Jon - level

B.M. from USC & GS

EIV 22.10



TANK

EIV
19.63

WELL
HOUSE

PUMP BASE
CONC. BASE

Obs.
Wells

B.S. I.H. F.S. Elv

B.M

31

TP₁ 2.83 22.46 4.96 17.50TP₂ 4.70 22.20 1.10 21.10TP₃ 6.75 27.85 6.20 21.65TP₄ 4.92 26.57 4.60 21.97
 .41 26.16

19.20

16.86

16.86

2.34

21.97

19.63

2.34

Sarasota Co.

4/12/66

County Dump
Observation
Wells

cloudy aft.

Jeff - rod

Jon - level

B.M from VSC&GS

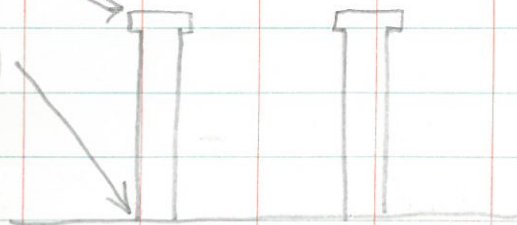
Elv 19.63

Elv

26.16

21.97

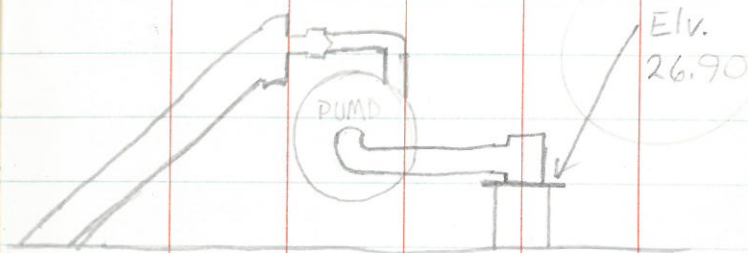
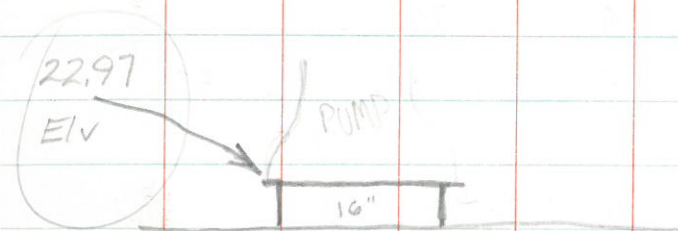
Elv



Bobby Jones #1 B.M	B.S.	I.H.	F.S.	Elv
				97 22.55 42
TP ₁	^{2 2} 3.35	25.90	^{3 2} 6.21	19.69
TP ₂	2.44	22.13	5.10	17.03
TP ₃	4.06	21.09	4.90	16.19
TP ₄	4.44	20.63	4.18	16.45
TP ₅	5.20	21.65	2.98	18.67
TP ₆	6.09	24.76	3.38	21.39
TP ₇	5.50	26.88	3.91	22.97
	31.08		30.66	
	30.66			
				22.97
	5.11	28.08	1.18	26.90

Sarasota Co 4/12/66
Bobby Jones cloudy aft.
Jeff - rod
Jon - level

B.M. from USC&GS
Elv. 22.55



W-5950

B.S. I.H. F.S. EIV

B.M.

4⁵7⁵

30.13

TP₁ 3.74 33.87 5.69 28.18

27.77

2.36

TP₂ 4.23 32.41 4.88 27.53TP₃ 5.32 32.85 4.30 28.55TP₄ 4.78 33.33 4.61 28.72TP₅ 3.60 32.32 4.83 27.49TP₆ 4.25 31.74 5.79 25.95TP₇ 5.26 31.21 5.87 25.34TP₈ 7.05 32.39 6.80 25.59TP₉ 4.48 30.07 4.54 25.53TP₁₀ 4.79 30.32 3.74 26.58TP₁₁ 5.27 31.85 4.08 27.77

52.77

55.13

52.77

2.36

Sarasota Co. 4/13/66

Kensington

clear morning

Park well #26

Jeff-rod

Jon-level

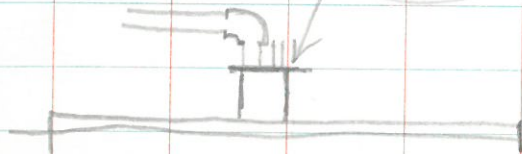
B.M. USC&GS

SARASOTA A

1942 EIV. 30.131

EIV

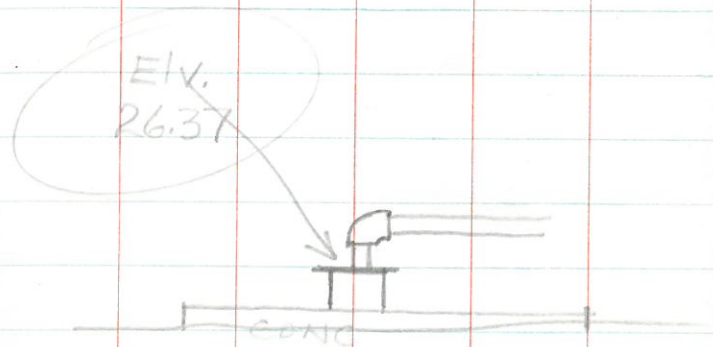
27.77



W-5944 B.S. I.H. F.S. EIV.
 B.M. 27.77
 TP₁ 3.81 31.58 5.23 26.35
 TP₂ 4.04 30.39 4.02 26.37
 7.85 9.25
 7.85
 1.40

Sarasota Co. 4/13/66
 Kensington clear morn.
 Pork Well #22 Jeff - rod
 Jon - level

B.M. from USC & GS
EIV 27.77



OLD
NURSERY B.S. I.H. F.S. EIV 29.52

D.M. 22.55

TP₁ 5.96 28.51 6.21 22.30 6.97

TP₂ 5.31 27.62 3.71 23.90

TP₃ 6.32 30.22 4.07 26.15

TP₄ 5.30 31.45 1.93 29.52

TP₅ 22.89 15.92

6.97

Sarasota 4/17/66

Co. clear morn.

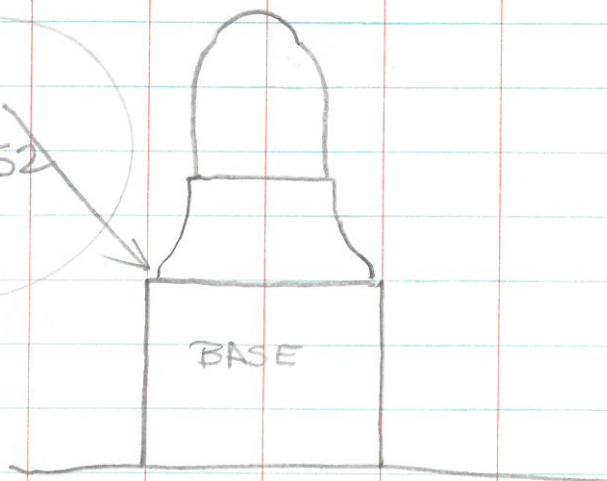
Jeff - rod

Jon - level

B.M. from USC&ES

EIV. 22.55

EIV.
29.52



W-6846	B.S.	I.H.	F.S.	E/V	
B.M.					33.31
					30.85
	4 ³		5 ⁶		2.46
TP ₁	5.35	36.20	4.88	31.32	
TP ₂	4.45	35.77	4.95	30.82	
TP ₃	5.19	36.01	3.67	32.34	
TP ₄	5.22	37.56	4.84	32.72	
TP ₅	5.40	38.12	5.22	32.90	
TP ₆	5.20	38.10	4.44	33.66	
TP ₇	4.11	37.77	5.03	32.74	
TP ₈	5.17	37.91	5.17	32.74	
TP ₉	5.12	37.86	5.54	32.32	
TP ₁₀	5.50	37.82	3.10	34.72	
TP ₁₁	5.61	40.33	5.22	35.11	
TP ₁₂	4.34	39.45	5.38	34.07	
TP ₁₃	4.63	38.70	5.39	33.31	
	65.29		62.83		
	62.83				
	2.46				

Sarasota Co

YOUNGBLOOD

4/17/66

clear aft.

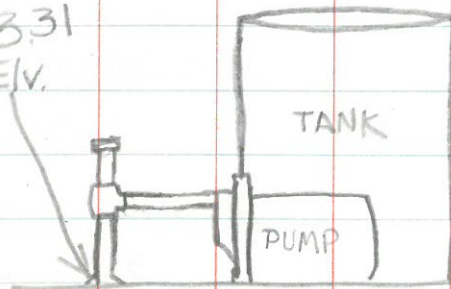
Jeff - rod

Jon - level

B.M. - Sarasota Co

#32

E/V. 30.85

33.31
E/V.

W-5967 B.S. I.H. F.S. EIV

B.M.

TP, 3.98 31.75 4.28 27.47

27.77

Sarasota Co.

5/18/66

Kensington Park

#27

clear morning

Jeff-rod

Jon-level

B.M. from USC & GS

EIV. 27.77

W-5966

TP, 3.98 31.75 5.30 26.45

27.77 #25

27.47

#5967



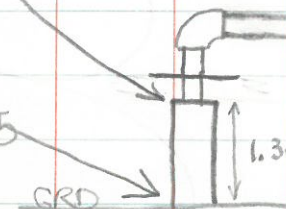
27.75

#5966

26.45

GRD

1.30'



W-7212 B.S. I.H. F.S. EIV

B.M

27.77

TP₁ 3.55 31.32 5.29 26.03

TP₂ 4.03 30.06 3.92 26.14

7.58

9.21

7.58

1.63

Sarasota Co

5/18/66

Kensington Park

23

clear morn,

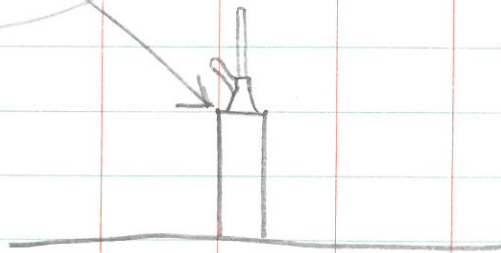
Jeff - rod

Jon - level

B.M. from USC & GS

EIV 27.77

26.14



W-7333 B.S. I.H. F.S. E/v

B.M

26.14

TP₁ 4.20 30.34 4.64 25.70

1.40
27.54

TP₂ 5.43 31.13 3.59 27.54

9.63

8.23

8.23

1.40

Sarasota Co.

5/18/66

Kensington Park

19

clear morn.

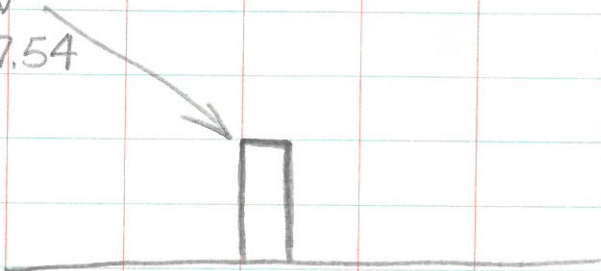
Jeff-rod

Jon-level

B.M from USCGS

E/v. 26.14

E/v
27.54



W-6162 B.S. I.H. F.S. ELV 30.98

B.M. 28.79

TP₁ 5.00¹ 33.79 5.96² 27.83 2.19

TP₂ 6.06 33.89 5.39 28.50

TP₃ 5.19 33.69 4.18 29.51

TP₄ 4.68 34.19 5.00 29.19

TP₅ 5.75 34.94 3.96 30.98 ^{pipe}

26.68 4.72 30.22 ^{grd.}

26.68

24.49

2.19

Rudolf

5/19/66

Renner

clear off.

Sarasota Co

Jeff - rod

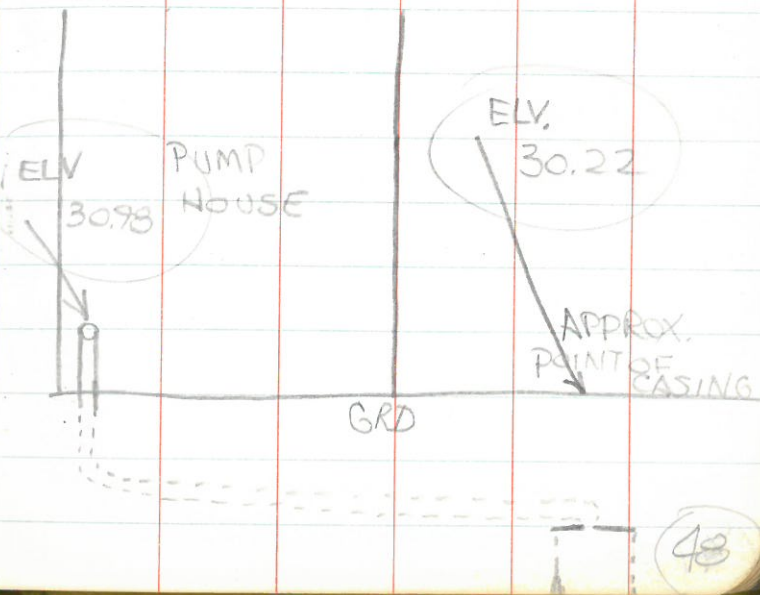
Jon - level

B.M.

Sarasota Co

70C

ELV 28.79



W-6132

B.S. I.H. F.S. EIV

B.M

33.77

TP₁ 5.47 39.24 4.72 34.52TP₂ 4.73 39.25 4.32 34.93TP₃ 4.56 39.49 5.17 34.32TP₄ 4.77 39.09 4.36 34.73TP₅ 4.95 39.68 3.47 36.21

24.48

22.04

2.44

22.04

2.44

APPROX
AREA OF
WELL

PIPE

Sarasota Co.

5/20/66

Fred Gray

clear morn.

Jeff - rod

Jon - level

B.M. Sarasota Co

#21

EIV 33.77

House

36.21

34.73

TANK

GRD

LAKE
IDOLA
GROVE

B.S. I.H. F.S. Elev.

B.M.

4 4

54

39.34

TP₁

4.65

43.99

5.28

38.71

34.42

TP₂

4.31

43.02

4.92

38.10

4.92

TP₃

4.00

42.10

4.42

37.68

TP₄

4.76

42.44

5.54

36.90

TP₅

4.44

41.34

4.89

36.45

TP₆

3.67

40.12

4.95

35.17

TP₇

4.82

39.99

5.25

34.74

TP₈

5.02

39.76

5.00

34.76

TP₉

4.37

39.13

4.71

34.42

TP₁₀

4.76

39.18

4.76

34.42

44.80

49.72

44.80

4.92

Sarasota Co

5/20/66

LAKE IDOLA

clear morn.

GROVE WELL

Jeff - rod

Jon - level

B.M. Sarasota Co

29

Elev. 39.34

Elev.
34.42

PUMP

GRD

W-7397 B.S. I.H. F.S. EIV

B.M.

T.P.₁ ^{2 2} 3.48 22.53 ^{2 2} 6.25 16.28

T.P.₂ 5.64 21.92 6.85 15.07

TP₃ 6.26 21.33 3.14 18.19

TP₄ 4.85 23.04 5.96 17.08

2023

22.20

20.23

1.97

19.05

17.08

1.97

Sarasota Co.

Phillippi Gardens

5/23/66

cloudy morn

Jeff-rod

Jon-level

B.M. Sarasota Co

103

EIV. 19.05

EIV.
17.08



DITCH

W-5136 B.S. I.H. F.S. EIV

B.M

29.92

TP₁ 3.99 33.91 4.57 29.34

TP₂ 5.36 34.70 3.09 31.61

9.35

7.66

1.69

7.66

Sarasota Co

5/23/66

Fla-Sarasota Corp.

(Berkshire Estates)

cloudy aft.

Jeff-rod

Jon-level

B.M. Sarasota Co.

242 A

EIV. 29.92



USGS
Well #15

B.S. I.H. F.S. EIV.

B.M.

37.03 USGS obs

well #15

(BEE RIDGE RD.)

5/23/66

cloudy aft.

Jeff - rod

Jon - level

	² 3.00	¹ 40.03	³ 4.40	¹ 35.63
TP ₁				

TP ₂	4.22	39.85	5.72	34.13
-----------------	------	-------	------	-------

TP ₃	4.78	38.91	4.91	34.00
-----------------	------	-------	------	-------

TP ₄	4.91	38.91	4.92	33.99
-----------------	------	-------	------	-------

TP ₅	4.87	38.86	1.89	36.97
-----------------	------	-------	------	-------

21.78

21.84

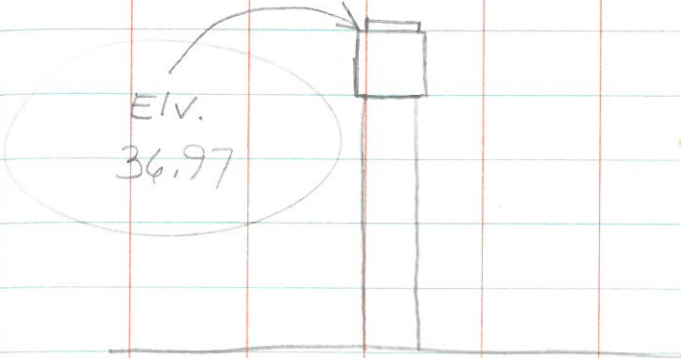
21.78

.06

33.96

B.M. - 244 Sarasota Co.

EIV 37.03



EIV.
36.97

Sapphire Heights

USGS

B.S. I.H. F.S. ELV

B.M.

TP₁ 3 5.01 104.40 2 4 6.58 97.82

TP₂ 2.53 100.35 5.89 94.46

TP₃ 4.40 98.86 6.29 92.57

TP₄ 6.03 98.60 5.48 93.12

TP₅ 4.71 97.83 6.00 91.83

TP₆ 3.92 95.75 6.04 89.71

TP₇ 4.73 94.44 3.02 91.42

31.33

39.30

31.33

7.97

Sarasota Co

5/25/66

USGS

cloudy morn.

Jeff - rod

Jon - level

B.M. from USC & GS

K 186

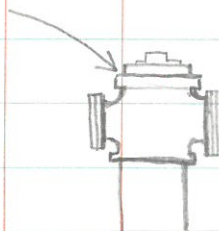
ELV. 99.39

Ass. 100'

B.M. ELV

8.58

CASING ELV



USGS
WHITAKER
BAYOU

B.S. I.H. F.S. EIV.

B.M.

2 2

2 1

9.378

TP₁ 5.49 14.87 4.38 10.49

2.70

12.08

TP₂ 5.96 16.45 4.32 12.13

TP₃ 5.39 17.52 6.84 10.68

TP₄ 4.12 14.80 5.40 9.40

TP₅ 5.92 15.32 3.24 12.08

26.88

24.18

24.18

2.70

15.32

4.31

11.01

61

Sarasota Co.

5/25/66

USGS

cloudy aft.

Jeff - rod

Jon - level

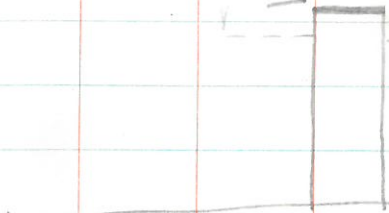
B.M. US&GS

C94 Reset 1956

EIV. 9.378

EIV
12.08

RECORDER



62

USGS
ALMEDA

B.S. I.H. F.S. Elv.

B.M.

9.40

TP₁ 1.64 11.04 5.06 5.98

TP₂ 4.34 10.32 5.01 5.31

TP₃ 5.08 10.39 5.45 4.94

TP₄ 11.06 15.52 4.94
11.06 5.45
4.46

Sarasota Co.

5/25/66

USGS

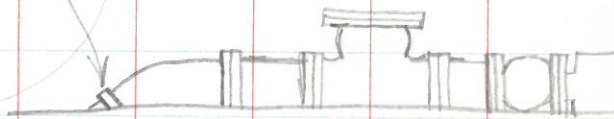
cloudy aft.

Jeff-rod

Jon-level

B.M. from USGS
Elv. 9.40

Elv.
4.94



USGS
22nd F.BAY

B.S. I.H. F.S. EIV

B.M.

TP₁ ^{2 2} 5.54 10.48 ^{1 1} 4.36 6.12

TP₂ 5.69 11.81 6.79 5.02

TP₃ 5.79 10.81 5.24 5.58

17.02

16.39

16.39

63

4.94

Sarasota Co.

5/25/66

USGS

cloudy aft.

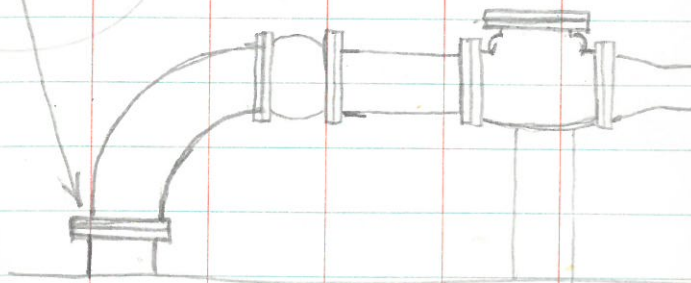
Jeff-rod

Jon-level

B.M. from USCGS

EIV 4.94

5.58
EIV



W-6157 B.S. I.H. F.S. E/V. 28.24

5/26/66

Wilhelm's Nursing Home

B.M. 17.66

Sarasota Co.

cloudy morn.

TP₁ 3.02 20.68 4.90 15.78 10.58

Jeff-rod

TP₂ 4.76 20.54 5.11 15.43

Jon-level

TP₃ 5.02 20.45 5.51 14.94

TP₄ 5.02 19.96 5.33 14.63

B.M. Sarasota Co

TP₅ 4.17 18.80 6.88 11.92

53

TP₆ 4.33 16.25 5.44 10.81 ✓

E/V 17.66

TP₇ 6.45 17.26 6.20 11.06

TP₈ 5.84 16.90 2.87 14.03

TP₉ 8.19 22.22 2.78 19.44

E/V
23.24

TP₁₀ 7.76 27.20 4.37 22.83

TP₁₁ 7.39 30.22 4.12 26.10

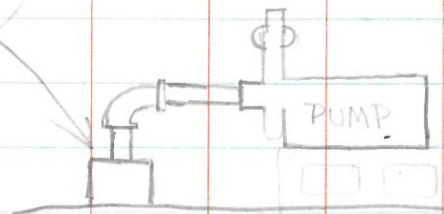
TP₁₂ 6.20 32.30 4.72 27.58

TP₁₃ 6.58 34.16 5.06 29.10

TBM

TP₁₄ 4.18 33.28 5.72 27.56

TP₁₅ 4.78 32.34 4.10 28.24



83.69

13.01

67

73.41

10.58

68

W-7341 B.S. I.H. F.S. EIV

B.M

29.10

	² 2		³ 2	
TP ₁	4.66	33.76	5.54	28.22

TP ₂	4.77	32.99	4.79	28.20
-----------------	------	-------	------	-------

TP ₃	5.69	33.89	4.91	28.98
-----------------	------	-------	------	-------

TP ₄	5.25	34.23	5.57	28.66
-----------------	------	-------	------	-------

TP ₅	5.02	33.68	3.75	29.93
-----------------	------	-------	------	-------

2539

2456

24.56

83

Sarasota Co. 5/26/66

Shrine of the Master

cloudy morn.

Jeff - rod

Jon - level

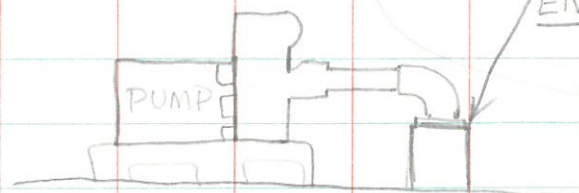
B.M. from Sarasota Co

53

EIV. 29.10

29.93

EIV



W-7684 B.S. I.H. F.S. Elv.

B.M. 1 2 1 2

TP₁ 6.16 12.30 11.68 .62

TP₂ 10.24 10.86 7.28 3.58

TP₃ 6.66 10.24 5.79 4.45

TP₄ 6.57 11.02 6.02 5.00

29.63

30.77

29.63

1.14

Sarasota Co.

5/27/66

6.142 Plymouth Harbour

rainy morning

Jeff - rod

Jon - level

B.M. USCGS

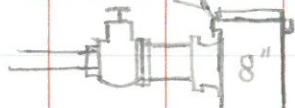
X 92 1942

Elv. 6.124

NW
corner
of
building

5.00 Elv.

C.R.D.



W-6718 B.S. I.H. F.S. Elv

B.M. 11.667

² 2 ³ 2
T.P.₁ 8.96 20.63 2.62 18.01

TP₂ 6.21 24.22 5.50 18.72

TP₃ 4.37 23.09 8.85 14.24

TP₄ 2.25 16.49 6.58 9.91

TP₅ 4.23 14.14 5.56 8.58

Σ B.S. 26.02 29.11 3.09

26.02 11.667

3.09

Sarasota Co 5/27/66

Manolo Lobato cloudy aft.

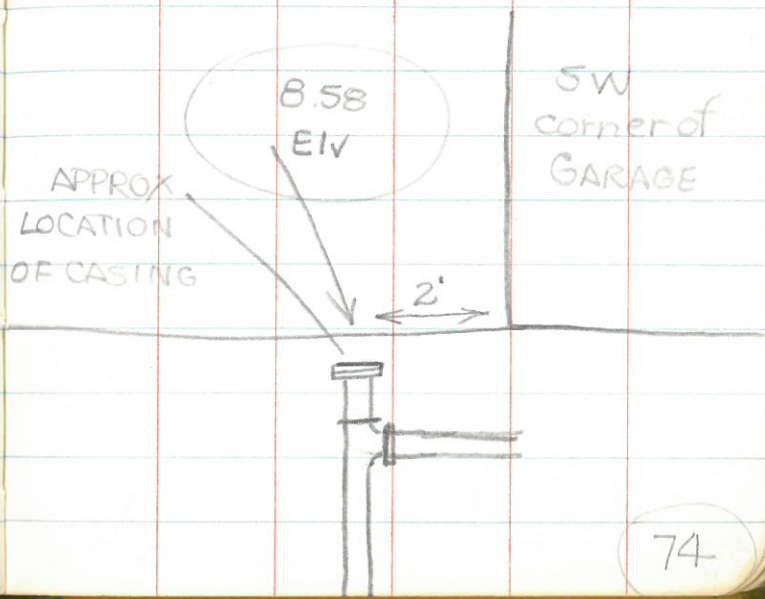
Jeff-rod

Jon-level

B.M. USC&GS

W 92 1942

Elv. 11.667



W-6057 B.S. I.H. F.S. EIV

B.M.

10.90

TP₁ 5.06 15.96 5.31 10.65

TP₂

Sarasota Co

5/31/66

Gulfshore

cloudy morn.

Trailer City

Jeff-rod

Jon-level

B.M. ARVIDA REALTY

#8 EIV. 10.90

EIV

10.65



APPROX
LOCATION
OF PULLED
CASING

GRD

W-6056 B.S. I.H. F.S. EIV

B.M.

TP₁ 5.06² 15.96 9.17 6.79

TP₂ 3.88 10.67 6.91 3.76

TP₃ 5.18 8.94 4.66 4.28

14.12

20.74

14.12

6.62

10.90

6.62

4.28

Sarasota Co.

Gulfshore

Trailer
City

5/31/66

cloudy morn.

Jeff-rod

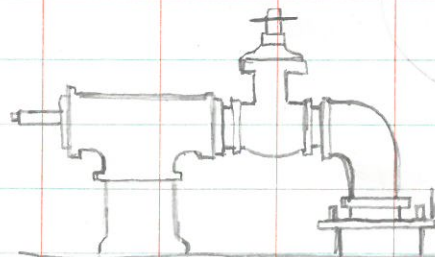
Jon-level

B.M. ARVIDA REALTY

#8 EIV. 10.90

4.28

EIV.



W-6877 B.S. I.H. F.S. E.I.V.

B.M. 6.33

TP₁ 3.93 10.26 4.87 5.39 1.70

TP₂ 5.01 10.40 4.75 5.65 8.06

TP₃ 5.23 10.88 4.54 6.34

TP₄ 4.92 11.26 4.17 7.09

TP₅ 4.81 11.90 4.77 7.13

TP₆ 5.58 12.71 5.08 7.63

TP₇ 4.03 11.66 5.09 6.57

TP₈ 4.58 11.15 4.46 6.69

TP₉ 4.88 11.57 4.76 6.81

TP₁₀ 5.27 12.08 3.75 8.33

TP₁₁ 4.42 12.75 4.82 7.93

TP₁₂ 5.00 12.93 4.87 8.06 T.B.M.

TP₁₃ 3.24 11.30 5.51 5.79

TP₁₄ 4.45 10.24 4.53 5.71

65.35

65.97

35

62

6.33

79

Sarasota Co

6/1/66

Mrs. Stirling

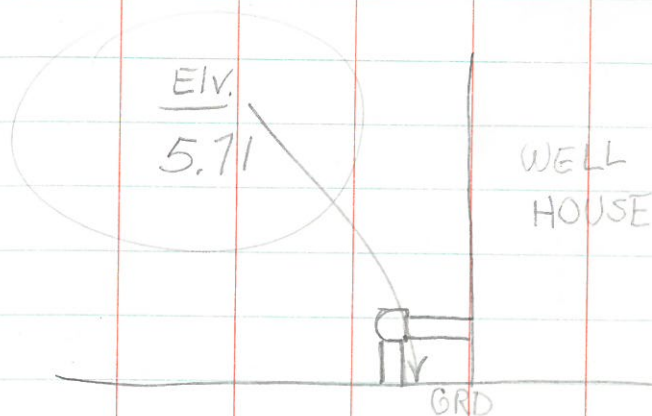
overcast aft.

Jeff-red

Jon-level

B.M. Sarasota Co

108A EIV 6.33



80

W 6344 B.S. I.H. F.S. EIV

B.M.

8.06

	¹ 4.79	¹ 12.85	² 4.87	² 7.98
TP ₁				
TP ₂	4.30	12.28	4.07	8.21
TP ₃	5.28	13.49	7.10	6.39
TP ₄	<u>2.52</u>	<u>8.91</u>	<u>2.97</u>	<u>5.94</u>
TP ₅	16.89		19.01	2.12
			16.89	8.06
			2.12	

Sarasota Co 6/1/66

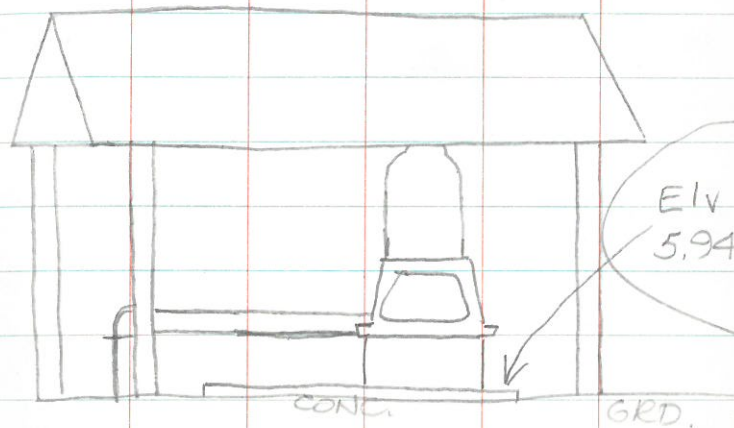
Golf & Bay Club overcast aft.
(Golf Course)

Jeff-rod

Jon-level

from

B.M. Sarasota Co.

108A EIV 8.06

W-6844	B.S.	I.H.	F.S.	E/V.	
B.M.	4.6		5.5		5.11
TP ₁	5.60	8.83	5.13	3.70	3.23
TP ₂	5.29	8.99	5.69	3.30	1.88
TP ₃	5.59	8.89	4.49	4.40	
TP ₄	5.88	10.28	5.55	4.73	
TP ₅	5.58	10.31	4.95	5.36	
TP ₆	4.82	10.18	4.73	5.45	
TP ₇	5.06	10.51	5.16	5.35	
TP ₈	4.34	9.69	4.71	4.98	
TP ₉	5.08	10.06	5.36	4.70	T.B.M.
TP ₁₀	7.28	11.98	6.87	5.11	
	54.52		52.64		
	52.64				
	1.88				

Sarasota Co.

6/7/66

Mr. Erhart

cloudy morn.

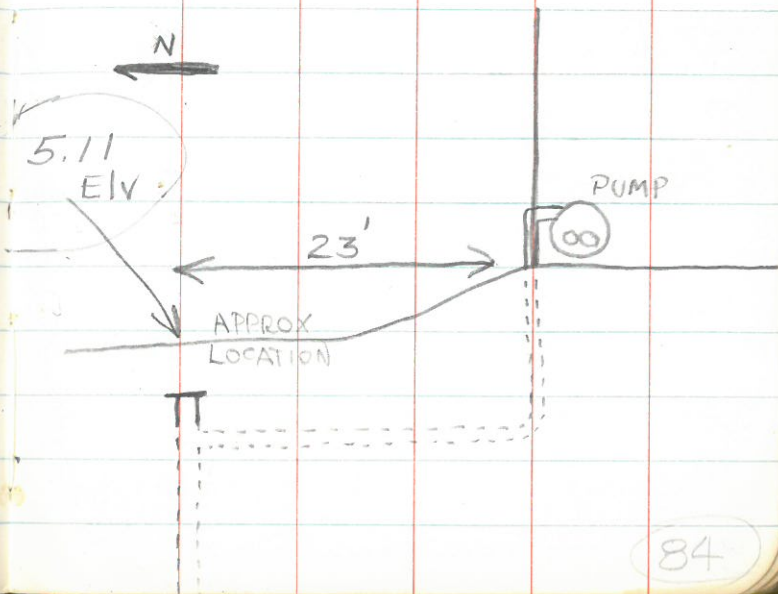
Luria

Brooks - road

101 N. Sandy Hook Jon - level

B.M. Sarasota Co

#82 E/V 3.23



W-7461 B.S. I.H. F.S. EIV

B.M.

TP₁ 4.75 9.45 4.75 4.70

TP₂ 6.64 11.34 6.27 5.07

TP₃ 5.00 10.07 4.61 5.46

16.39

15.63

15.63

.76

4.70

$\frac{76}{596}$

Sarasota Co.

6/7/66

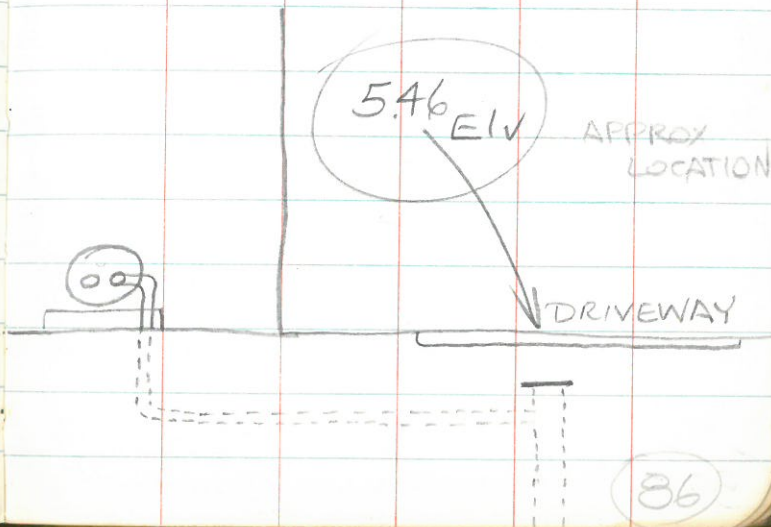
Hamiton

25 S. Sandy Hook cloudy & hot

Brooks-rod

Jon - level

B.M. from Sarasota Co
82



W-6419 B.S. I.H. F.S. EIV.

B.M.

5.00

Sarasota Co.

6/7/66

Rind Fleisch

TP₁ 4.45 9.45 7.98 1.47TP₂ 10.12 11.59 4.95 5.64

TIDAL

14.57

12.93

12.93

1.64

cloudy - cool aft.

Tornado warnings

Brooks - rod

Jon - level

B.M. well at Plymouth
Harbour

EIV. 5.00

HOUSE

NEW
ADDITIONAPPROX
LOCATION
EIV.
6.64

GRD

B.S. I.H. F.S. EIV

B.M.

5.00

	² 1		² 1	
TP ₁	5.42	10.42	5.75	4.67

TP ₂	5.98	10.65	6.70	3.95
-----------------	------	-------	------	------

TP ₃	4.82	8.77	4.60	4.17
-----------------	------	------	------	------

TP ₄	5.43	9.60	4.67	4.93
-----------------	------	------	------	------

21 65

21 72

5.00

65

Sarasota Co. 6/7/66

Citywell

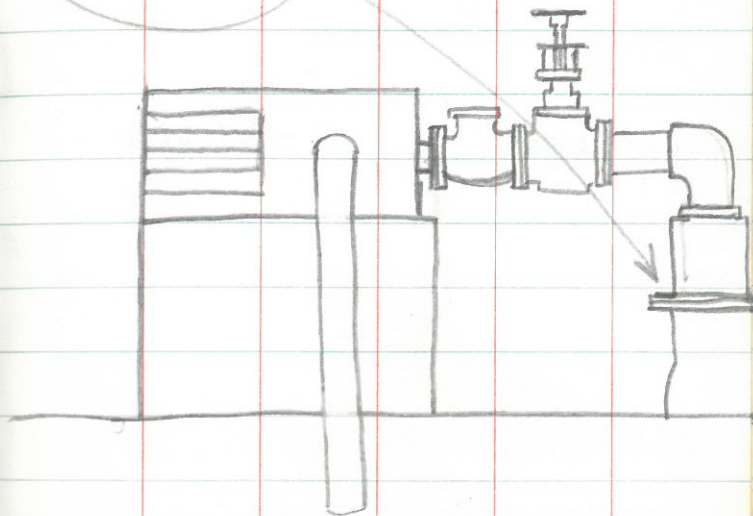
Cloudy-cool

Brooks-rod

Joni-level

B.M. Plymouth Harbour
Well

EIV. 5.00

EIV
4.93

W-6277 B.S. I.H. F.S. Elv

B.M.

	7.4		4.5	
TP ₁	4.63	9.38	5.41	3.97
TP ₂	5.79	9.76	4.87	4.89
TP ₃	5.51	10.40	6.29	4.11
TP ₄	4.62	8.73	4.46	4.27
TP ₅	4.88	9.15	4.46	4.69
TP ₆	4.71	9.40	4.87	4.53
TP ₇	5.48	10.01	4.14	5.87
TP ₈	5.85	11.72	5.28	6.44
TP ₉	4.60	11.04	4.94	6.10
TP ₁₀	10.94	17.04	5.14	11.90

57.01

49.86

49.86

7.15

4.75

7.15

11.90

F.D. Burgmann

6/9/66

7334 Pt. of Rocks Rd

weather - sunny & windy
following hurricane

Brooks - rod

Jon - level

B.M. Sarasota Co.

110

Elv. 4.75

Elv
11.90

GRD

50' from
rear of cottage

W-6921	B.S.	I.H.	F.S.	EIV	
B.M.	4	3	2	3	8.18
TP ₁	6.06	14.24	4.08	10.16	2.49 20.67
TP ₂	5.65	15.81	4.29	11.52	
TP ₃	5.81	17.33	4.30	13.03	
TP ₄	5.74	18.77	4.27	14.50	
TP ₅	5.52	20.02	4.69	15.33	
TP ₆	5.37	20.70	4.54	16.16	
TP ₇	5.23	21.39	4.01	17.38	
TP ₈	5.69	23.07	2.40	20.67	
	45.07		32.58		
	32.58				
	12.49				

Royal Castle

Trail & Stickney Pt. Rd.

6/10/66

windy & warm

Brooks-Rod

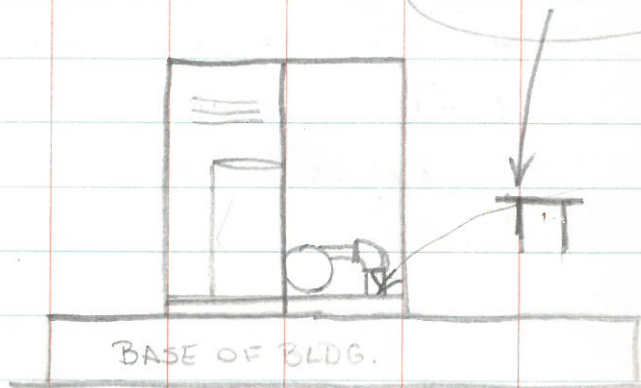
Jon - level

B.M. Sarasota Co

104

EIV. 8.18

20.67 EIV.



W-6126 B.S. I.H. F.S. E.W. 16.76

B.M

TP 3.91 20.67 4.35 16.32

TP 4.01 20.33 5.47 14.86 MP

TP₂ 5.84 14.49 MP₂

TP₄ 7.92 9.82

TP₅ 7.92 1.90

close out

14.49

TP₁ 6.69 21.18 5.10 16.08

TP₂ 4.58 20.66 3.86 16.80

16.76

.04

Andrew Field's

6/10/66

windy & warm

Jon - rod

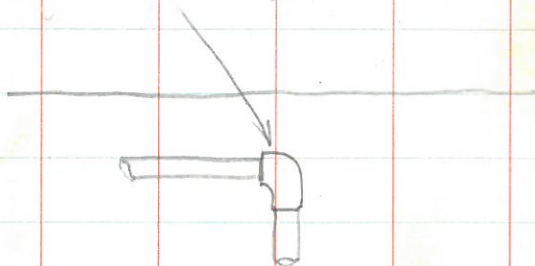
Brooks - level

B.M. Sarasota Co.

130

Elev. - 16.76

E Cottage MP₁ - Ryan



W-6224 B.S. I.H. F.S. EIV.

TP₁

16.76

TP₂ 3.86 20.62 4.97 15.65

TP₃ 3.22 18.87 3.83 15.04

TP₄ 4.24 19.28 4.41 14.87

TP₅ 4.60 19.47 4.76 14.71

TP₆ 4.04 18.75 4.51 14.18

TP₇ 4.50 18.68 4.85 13.83

TP₈ 4.59 18.42 5.00 13.42

TP₉ 4.16 17.58 4.86 13.02

33.21

36.95 3.74

33.21

5.74 16.76

Mrs. Mary Jarvis
8803 Pohoy Ave.

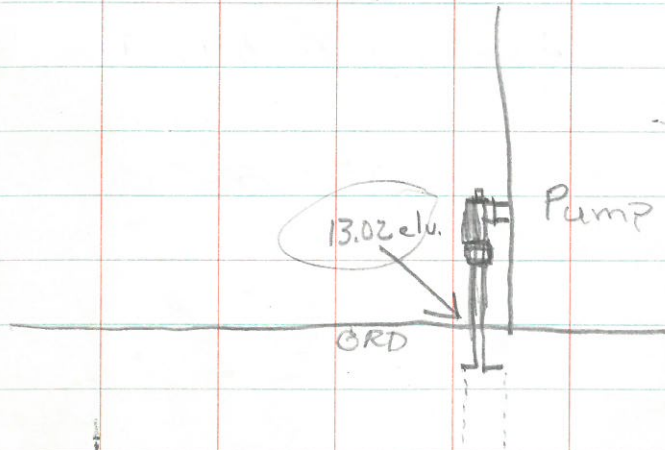
6/10/66

windy & warm

Jon-rod
Brooks-level

B.M. Sarasota Co
130

elv. - 16.76

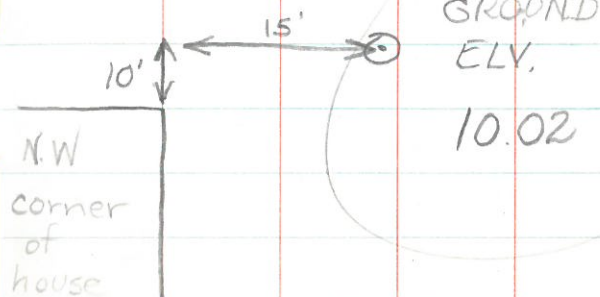


W-6726 B.S. I.H F.S. E.I.V. Sarasota Co. 7/13/66
 B.M. 14 16 J.B. Drake

TP ₁	^{3 3} 5.53	19.69	^{4 4} 5.13	14.56
TP ₂	6.20	20.76	6.34	14.42
TP ₃	7.10	21.52	5.65	15.87
TP ₄	5.12	20.99	4.94	16.05
TP ₅	5.45	21.50	4.27	17.23
TP ₆	4.41	21.64	5.21	16.43
TP ₇	5.05	21.48	6.19	15.29 T.B.M.
TP ₈	4.08	19.37	5.23	14.14
TP ₉	2.65	16.79	6.48	10.31
TP ₁₀	3.66	13.97	3.95	10.02
	<u>49.25</u>		<u>53.39</u>	<u>4.14</u>
			49.25	14.16
			4.14	

cloudy & hot
 Brooks - Rod
 Jon - level

B.M. Sarasota Co
 # 111
 E.I.V. 14.16



W-6006 B.S. I.H. F.S. Ely.

B.M.

15.29

TP₁ 4.91 20.20 6.96 13.24

TP₂ 5.58 18.82 4.39 14.43

10.49 11.35 86

10.49 15.29

86

Sarasota Co.

7/13/66

Pinehurst

Spring Water cloudy & hot

Brooks rod

Jon - level

B.M. from Sarasota Co

III

Ely. 15.29

14.43

GRD

W-6134 B.S. I.H. F.S. E/V

B.M.

16.85

TP₁ 4.97²² 21.82 6.12¹ 15.70

TP₂ 5.95 21.65 4.83 16.82

TP₃ 5.41 22.23 5.00 17.23

TP₄ 5.15 22.38 6.40 15.98

TP₅ 2.45 18.43 4.62 13.81

23.93 26.97 3.04

23.93 16.85

3.04

Sarasota Co

7/13/66

T.H. Phillips

clear & hot

Brooks - rod

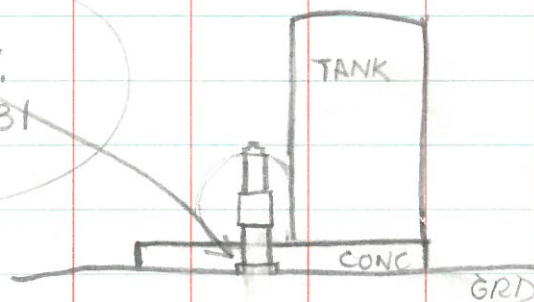
Jon - level

B.M. Sarasota Co

74B

E/V 16.85

ELV.
13.81



W-6131 B.S. I.H. F.S. EIV

B.M

20.76

Sarasota Co.

7/13/66

Mrs. Monsheimer

3414 Key Ave.

clear & hot

TP₁ 4.08² 24.84²² 5.50 19.34

1.16
21.92

TP₂ 5.07 24.41 5.63 18.78

TP₃ 5.50 24.28 4.26 20.02

TP₄ 5.47 25.49 4.49 21.00

TP₅ 5.35 26.35 4.43 21.92

25.47

24.31

24.31

1.16

B.M. Sarasota Co

29 B

EIV, 20.76

SW
corner of
house

EIV.
GRD.
21.92

W-5189 B.S. I.H. F.S. EIV.

B.M.

15.29

TP₁ 4.66 19.95 5.71 14.24

TP₂ 4.70 18.94 3.85 15.09

9.36

9.56

Paul Romance

7/15/66

1846 Sandalwood

cloudy & hot

Brooks - road

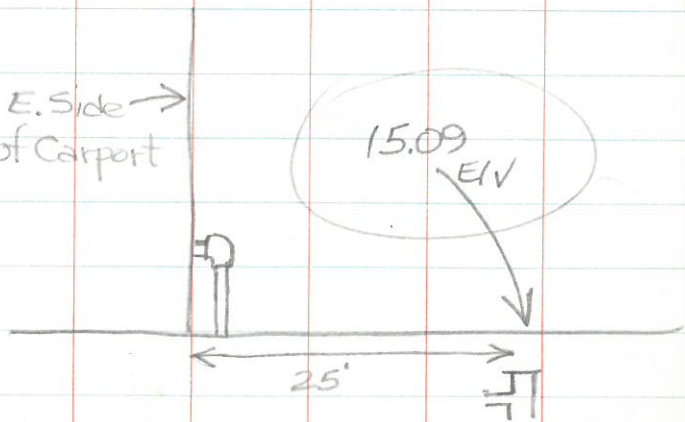
Jon - level

B.M. (T.B.M.) from

Sarasota Co #111

EIV. 15.29

E. Side →
of Carport



W-671 B.S. I.H. F.S. Elv.

B.M.

TP₁ 5.69 17.60 4.10 13.50

TP₂ 5.56 19.06 3.61 15.45

TP₃ 5.36 20.81 4.56 16.25

TP₄ 4.90 21.15 4.05 17.10

TP₅ 5.97 23.07 5.32 17.75

TR₆ 5.78 23.53 4.56 (18.97)

33.26

26.20

26.20

7.56

11.91

7.06
18.97

Field Rd Estates - lot #10

6/15/66

Beach Development Corp.

cloudy & hot

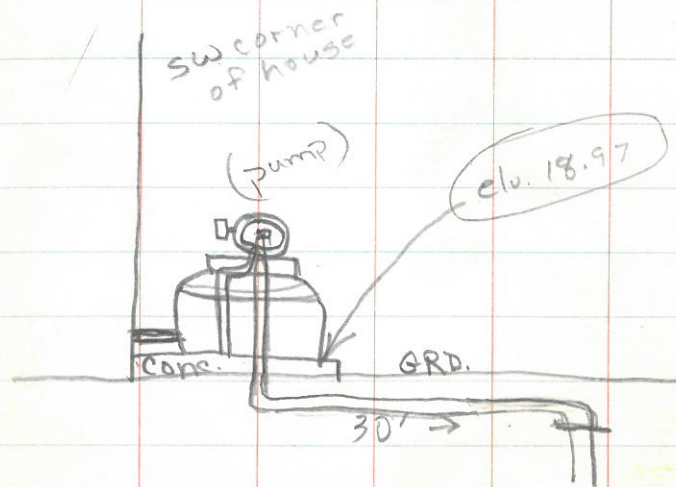
Jon-rod

Brooks-level

B.M. Sarasota Co.

77

elv. - 11.91



W-6348 B.S. I.H. F.S. EIV

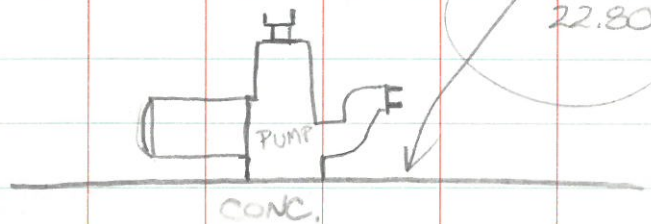
B.M.					27.81
TP ₁	5.09	32.90	5.72	27.18	5.01
TP ₂	5.63	32.81	5.60	27.21	22.80
TP ₃	5.00	32.21	5.48	26.73	
TP ₄	5.01	31.74	7.06	24.68	
TP ₅	2.34	27.02	6.30	20.72	
TP ₆	5.89	26.61	3.81	22.80	
	28.96		33.97		
			28.96		
			5.01		

Dr. Hadley Hasemeier 7/15/66
1841 Lake Shore Dr.

- cloudy & hot
Brooks - rod
Jon - level

B.M. Sarasota Co
76A
EIV. 27.81

W. End of house



W-6345 B.S. I.H. F.S. EIV

B.M.					8.18 4.04 <u>12.22</u>
TP ₁	6.08	14.26	4.83	9.43	
TP ₂	5.90	15.33	4.34	10.99	T.B.M.
TP ₃	5.99	16.98	4.76	12.22	
	17.97		13.93		
	13.93				
	4.04				

John I. Murphy

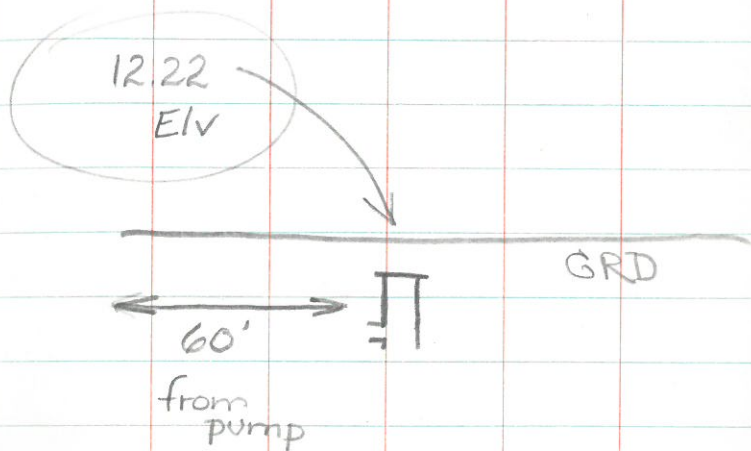
7/16/66

1633 Birchwood cloudy & hot
Brooks - rod
Jon - level

B.M. Sarasota

104

EIV. 8.18



W-6099 B.S. I.H. F.S. Elev

B.M.

$$\begin{array}{r} 3 \quad 3 \\ TP_1 \quad 5.68 \quad 16.67 \quad 4.51 \quad 12.16 \end{array}$$

$$TP_2 \quad 5.38 \quad 17.54 \quad 4.54 \quad 13.00$$

$$TP_3 \quad 5.38 \quad 18.38 \quad 4.98 \quad 13.40$$

$$TP_4 \quad 5.63 \quad 19.03 \quad 4.72 \quad 14.31$$

$$TP_5 \quad 5.94 \quad 20.25 \quad 4.41 \quad 15.84$$

28.01

23.16

4.85

23.16

10.99

4.85

15.84

L.D. Wadsworth

7/16/66

6207 Brentwood cloudy & hot

Brooks - rod

Jon - level

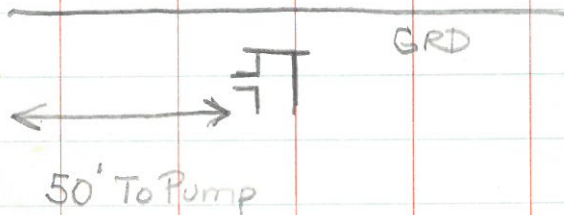
B.M. (T.B.M.) from

Sarasota Co. # 104

Elev 10.99

15.84

Elev.



w-7460 B.S. I.H. F.S. Elv.

BM

TP₁ 5.94 20.10 6.18 13.92

TP₂ 4.04 17.96 4.64 13.32

TP₃ 3.74 17.06 4.74 12.32

13.72

15.56

13.72

1.84

14.16

1.84
12.32

Max Duncan

Buckingham Trailer Pk.

6/17/66

cldy & hot

Jon - rod

Brooks - level

B.M. Sarasota Co.

111

Elv. - 14.16

elv. - 12.32



Well #7460

GRD.

W-6464 B.S. I.H. F.S. ELV.

B.M. 2 4 4 3 19.05

TP₁ 4.18 23.23 5.93 17.30

TP₂ 6.25 23.55 4.65 18.90

TP₃ 3.99 22.89 5.68 17.21

TP₄ 5.18 22.39 4.95 17.44

TP₅ 5.27 22.71 5.29 17.42

TP₆ 5.37 22.79 4.75 18.04

30.24

31.25

30.24

1.01

John Thode
Golden Tee
Golf Course

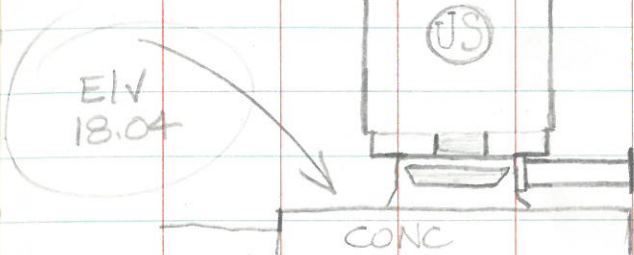
7/17/66
cloudy & hot

Brooks - rod

Jon - level

B.M. Sarasota Co.

103 ELV 19.05



W-6347 B.S. I.H. F.S. Elev

B.M. ^{3 2}
TP₁ 4.23 40.76 ^{2 1} 4.59 36.17

TP₂ 4.81 40.98 4.62 36.36

TP₃ 3.98 40.34 4.83 35.51

TP₄ 3.99 39.50 4.51 34.99 cas.

TP₅ 17.01 5.44 34.06 grd

18.55

17.01

1.54

36.53

Mrs. Ellen Ingram

6/22/66

4844 Baccus

clear & hot

Brooks-rod

Jon-level

B.M. Sarasota Co

69

Elev. 36.53

34.99
Elev

34.06

→ TO PUMP

GRD

W-7176 B.S. I. H. F.S. EIV

B.M.

22.40

TP₁ 5.12 27.52 3.27 24.25

11.12

TP₂ 5.69 29.94 5.36 24.58

33.52

TP₃ 5.18 29.76 2.48 27.28

TP₄ 6.96 34.24 3.08 31.16

TP₅ 5.67 36.83 4.02 32.81

TP₆ 5.42 38.23 3.71 34.52

TP₇ 4.15 38.67 5.26 33.41

TP₈ 3.69 37.10 5.75 31.35

TP₉ 4.95 36.30 2.78 33.52 - Cas.

46.83

4.13 32.17 - Grd.

46.83

35.71

11.12

Hattie Vanderbeke - Sarasota Co.

4951 Sawyer Rd

hot & clear

6/21/66

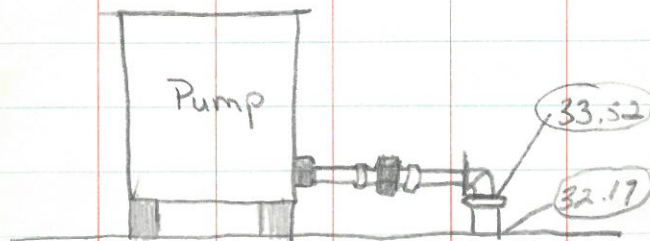
Brooks level

Jon - rod

BM Sarasota Co.

90 A

EIV. 22.40



W-6922 B.S. I.H. F.S. E/v.

B.M.

TP₁ 4.69² 25.26 5.78 19.48 20.57
1.36
19.21

TP₂ 4.36 23.84 5.18 18.66

TP₃ 4.85 23.51 4.30 19.21 cas

13.90 5.73 17.78 grd.

15.26

13.90

1.36

Sarasota Co. School Board

McIntosh school (agricultural Annex)

701 S. McIntosh Rd

6/21/66

hot & cloudy

B.M. Sarasota Co.

52

E/v. 20.57

19.21

E/v

17.78

GRD

W-6882 B.S. I.H. F.S. E/v

B.M

20.76

TP₁ 5.31 26.07 4.10 21.97

 $\frac{20}{20.96}$

TP₂ 5.06 27.03 5.24 21.79

TP₃ 5.09 26.88 5.00 21.88

TP₄ 4.47 26.35 6.13 20.22

TP₅ 5.90 26.12 5.16 20.96

grid

25.83 4.60 21.52

~~7.78~~

25.83

25.63

.20

D. Steinbecke

6/21/66

3439 Webber St.

Sarasota Co.

cloudy & hot

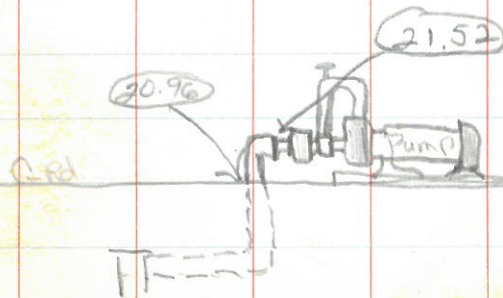
Brooks - level

Jon - rod

B.M. Sarasota Co

29B

E/v. 20.76



W-7197 B.S. I.H. F.S. Elv

B.M.

TP, 3.77 31.38 4.45 26.93

3.77

.68

27.61

⁶⁸

26.93

Sarasota Co. 8/21/66

Lewis Zulion

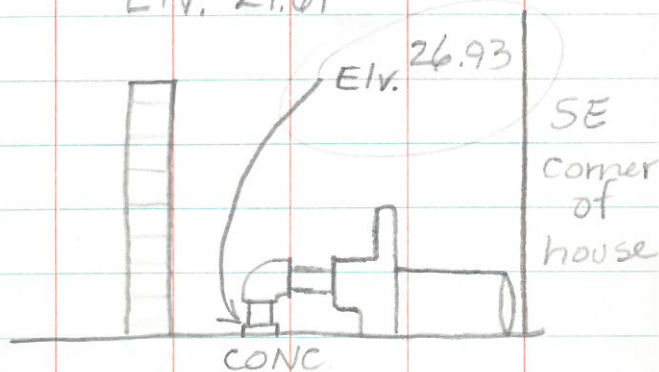
5410 Richardson Rd.

very cloudy & hot
Brooks-rod
Jon-level

B.M. Sarasota Co.

46

Elv. 27.61



W-6130 B.S. I.H. F.S. EIV.

B.M.

TP₁ ³ 5.47 ² 25.21 ¹ 5.79 ² 19.42

TP₂ 3.80 23.22 6.30 16.92

TP₃ 5.77 22.69 4.44 18.25

TP₄ 6.55 24.80 4.08 20.72

TP₅ 6.91 27.63 4.06 23.57

28.50

24.67

3.83

24.67

19.74

3.83

23.57

T.B.M

Sarasota Co. 6/24/66

Jack Horner

Nutmeg & Mohawk

cloudy & hot

Brooks - rod

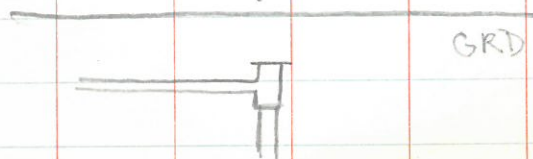
Jon - level

B.M. Sarasota Co.

88B

EIV. 19.74

EIV 23.57



GRD

W-6/29 B.S. I.H. F.S. EIV

B.M.

TP₁ 6.91 27.63 6.12 21.51 $\frac{20.72}{4.68}$
25.40

TP₂ 6.43 27.94 4.54 23.40

TP₃ 6.59 29.99 4.59 25.40 Pipe

19.93

5.20 24.79 grad.

15.25

4.68

15.25

Sarasota Co

6/24/66

Jack Horner

3037 Arapaho

cloudy & hot

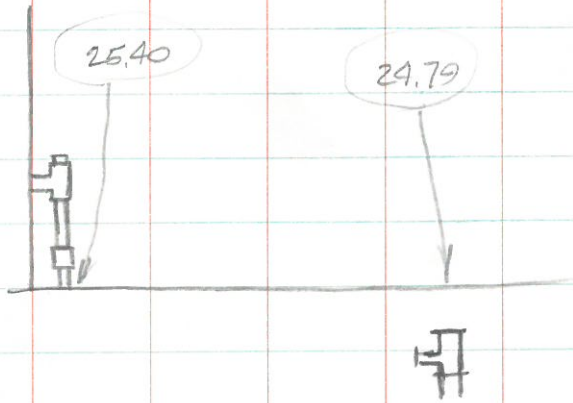
Brooks - rod

Jon - level

B.M. (T.B.M.) from

Sarasota Co # 88B

EIV, 20.72

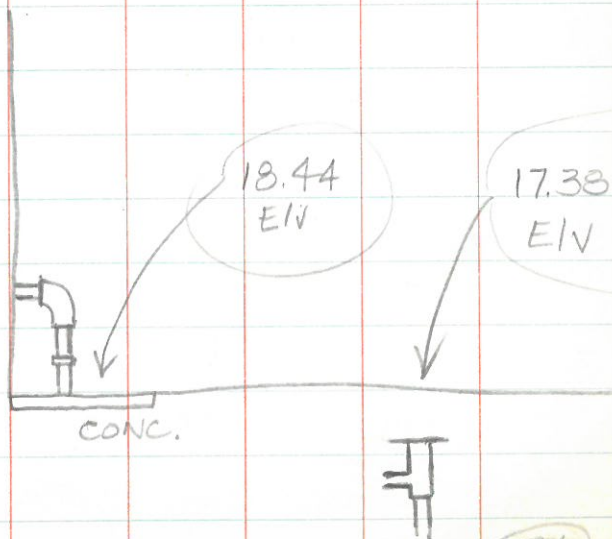


6245	B.S.	I.H.	F.S.	E/V	
B.M.					19.74
	^{2.3}		^{2.3}		^{1.30}
TP ₁	5.57	25.31	5.92	19.39	18.44
TP ₂	4.29	23.68	5.29	18.39	
TP ₃	4.18	22.57	5.05	17.52	
TP ₄	5.57	23.09	5.85	17.24	
TP ₅	4.23	21.47	4.09	17.38	GRD
TP ₆	5.20	22.58	4.14	18.44	PIPE
	29.04		30.34		
			29.04		
			1.30		

135

Sarasota Co. 6/24/66
 J. E. Robinson
 6146 Olive Ave. cloudy & hot
 Brooks-rod
 Jon - level

B.M. Sarasota Co.
 # 88B
 E/V. 19.74



136

W-6426 B.S. I.H. F.S. Elv

B.M.

TP₁ 4.20 26.80 5.22 21.58

TP₂ 3.80 26.38 5.00 20.38

TP₃ 4.03 24.41 3.85 (20.56)

12.03

14.07

14.07

12.03

20.56

22.60

2.04

20.56

Sarasota Co.

Don Pesano

5620 St. Louis

6/24/66

cloudy & hot

Brooks - level

Jon - rod

B.M. Sarasota Co.

± 90

Elv. 22.60

NW
corner
of
garage

(20.56)

W-6717 B.S. I. H. F.S. EIV

BM 1 1 22.60

TP₁ 5.39 27.99 4.30 23.69

TP₂ 4.42 28.11 5.15 22.96

TP₃ 4.53 27.49 5.30 22.19

TP₄ 4.45 26.64 4.14 22.50

TP₅ 4.67 21.97

18.79

18.89
79

10

grd. at
pipe

grd.

Sarasota Co.

6/24/66

M. Dynchuk

5619 New York

cloudy & hot

Brooks-rod

Jon-level

B.M. Sarasota Co.

90

EIV 22.60

SW
corner
of
house

22.50

21.97

40'



W-6719 B.S. I.H. F.S. Elev.

B.M

5.1

36.18

TP₁ 4.19 40.37 5.19 35.18TP₂ 5.45 40.63 5.34 35.29TP₃ 5.23 40.52 5.09 35.43TP₄ 5.28 40.71 5.25 35.46TP₅ 5.31 40.77 4.80 35.97TP₆ 5.10 41.07 5.47 35.60TP₇ 5.48 4.79TP₈ 4.79 4.84TP₉ 4.49 5.05TP₁₀ 4.54 4.81TP₁₁ 4.55 5.06TP₁₂ 5.17 5.19TP₁₃ 4.52 5.33 34.07TP₁₄ 4.70 5.50 33.27 casing

68.80 6.29 32.48 gnd

TBM Ref.
Mark NE
corner Gantt
& ClarkTBM
Ref Mark

Sarasota Co.

6/24/66

R. K. Altman

Honore & Clark

cloudy & hot

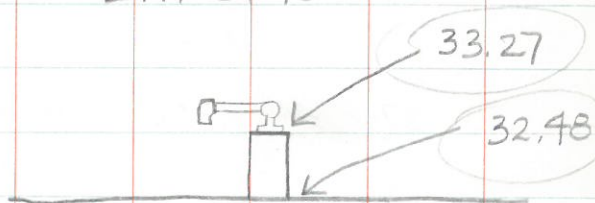
Brooks-rod

Jon-level

B.M. Sarasota Co.

94

Elev. 36.18



71.71

68.80

Diff.

2.91

=

36.18

33.27

2.91

141

71.71

142

W-7645 B.S. I.H. F.S. Elv

B.M. 35.60

TP₁ 5.34 40.94 4.62 36.32 $\frac{34}{35.26}$

TP₂ 4.62 40.94 5.13 35.81 T.B.M.

TP₃ 3.83 39.64 5.15 34.49

TP₄ 4.26 38.75 5.22 33.53

TP₅ 4.76 38.29 5.33 32.96

TP₆ 5.66 38.62 3.36 35.26 - casing

28.47 5.04 33.58 - ground

28.81
28.47
34

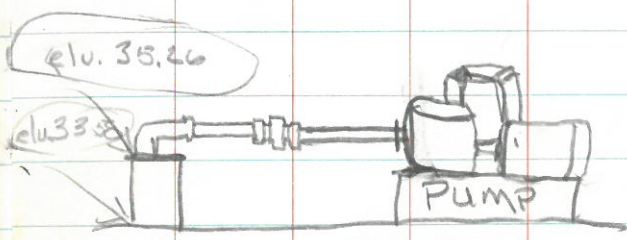
Sarasota Co. 6/27/66

Orange Acres Trailer Park

Well # 2

cloudy & cool
Brooks - level
Jon - road

B.M. (T.B.M.) from
94 Elv. 35.60



W-6242 B.S. I.H. F.S. E/v. Sarasota Co 6/27/66

B.M. 4 3 4 4 35.60 A. DiCurro

TP₁ 5.61 41.21 4.89 36.32

TP₂ 5.09 41.41 4.87 36.54

TP₃ 4.70 41.24 5.39 35.85

TP₄ 4.18 40.03 6.16 33.87

TP₅ 4.75 38.62 4.97 33.65

TP₆ 5.92 39.57 4.15 35.42

TP₇ 4.88 40.30 4.94 35.36

TP₈ 4.80 40.16 4.21 35.95

39.93 39.58 35.60

.58

35

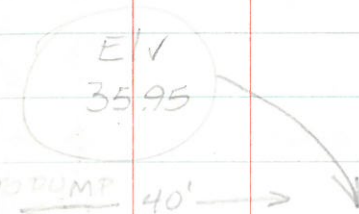
HAWKINS

72

HAWKINS
FERNAR

cloudy & cool
Brooks - rod
Jon - level

B.M. (T.B.M.) from
#94 E/v. 35.60



B.S.	I.H.	F.S.	E/v.
------	------	------	------

B. M.

TP ₁	^{6 5} 3.62	62.37	^{6 4} 6.23	56.14	<u>8.95</u>
-----------------	------------------------	-------	------------------------	-------	-------------

TP ₂	5.05	61.19	5.30	55.89
-----------------	------	-------	------	-------

TP ₃	6.54	62.43	6.35	56.08
-----------------	------	-------	------	-------

TP ₄	5.13	61.21	2.66	58.55
-----------------	------	-------	------	-------

TP₅ 6.48 65.03 3.90 61.13

TP₆ 6.16 67.29 4.57 62.72

TP ₇	6.14	68.86	5.03	63.83
-----------------	------	-------	------	-------

TP _g	6.68	70.51	4.00	66.51
-----------------	------	-------	------	-------

TP ₉	4.90	71.41	4.68	66.73
-----------------	------	-------	------	-------

TP ₁₀	4.93	71.66	4.90	66.76
------------------	------	-------	------	-------

TP	5.00	71.76	4.46	67.30
----	------	-------	------	-------

TP ₁₂	4.85	72.15	4.81	67.34	#3
------------------	------	-------	------	-------	----

TP ₁₃	4.89	72.23	4.53	67.70	CASING
------------------	------	-------	------	-------	--------

10.37	5.77	66.46	GROUND
-------	------	-------	--------

61.42
8.95

61.42

DeSoto Co.

City of Arcadia

test wells

6/30/60

cloudy & cool
windy

Brooks-Rod

Jon-level

B.M USC&GS & State Survey

W-61

Elv. 58.75

#3-Maple St

#1 - N. of Maple St

#4 - W Oak

#2 E. Oalc

Test # 1

4.53 72.23 5.34 66.89

4.97 71.86 3.84 68.02 casing

9.50
9.18

4.70 67.16 ground

.32

WELL
1

67.70

Test # 4

5.05 70.88 5.59 65.29

5.54 70.83 4.34 66.49 casing

5.46 65.37 ground

10.59
9.93

.66

9.93

Well
4

65.83

66.49

Test # 2

3 3 2 3
4.76 72.46 5.28 67.18

5.28 72.46 4.94 67.52

3.41 70.93 5.31 65.62

5.31 70.99 5.79 65.20

5.82 71.02 5.16 65.86

5.35 71.21 5.38 65.83

5.39 71.22 4.11 67.11 casing

35.38 5.26 65.96 ground

WELL
267.70
59
67.11

35.97

39
59

151

152

Sarasota Co
B.M.'s Destroyed

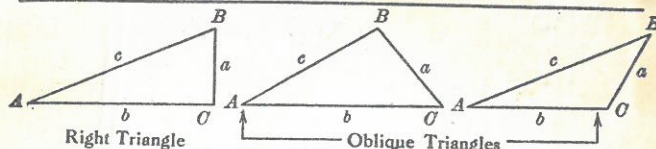
#58

71

101

94 A - disc gone

TRIGONOMETRIC FORMULÆ



Solution of Right Triangles

For Angle A. $\sin A = \frac{a}{c}$, $\cos A = \frac{b}{c}$, $\tan A = \frac{a}{b}$, $\cot A = \frac{b}{a}$, $\sec A = \frac{c}{a}$, $\csc A = \frac{c}{b}$

Given
a, b

Required
A, B, c

$$\tan A = \frac{a}{b} = \cot B, c = \sqrt{a^2 + b^2} = a \sqrt{1 + \frac{b^2}{a^2}}$$

a, c

A, B, b

$$\sin A = \frac{a}{c} = \cos B, b = \sqrt{(c+a)(c-a)} = c \sqrt{1 - \frac{a^2}{c^2}}$$

A, a

B, b, c

$$B = 90^\circ - A, b = a \cot A, c = \frac{a}{\sin A}$$

A, b

B, a, c

$$B = 90^\circ - A, a = b \tan A, c = \frac{b}{\cos A}$$

A, c

B, a, b

$$B = 90^\circ - A, a = c \sin A, b = c \cos A$$

Solution of Oblique Triangles

Given
A, B, a

Required
b, c, C

$$b = \frac{a \sin B}{\sin A}, C = 180^\circ - (A + B), c = \frac{a \sin C}{\sin A}$$

A, a, b

B, c, C

$$\sin B = \frac{b \sin A}{a}, C = 180^\circ - (A + B), c = \frac{a \sin C}{\sin A}$$

a, b, C

A, B, c

$$A + B = 180^\circ - C, \tan \frac{1}{2}(A - B) = \frac{(a - b) \tan \frac{1}{2}(A + B)}{a + b}$$

a, b, c

A, B, C

$$s = \frac{a + b + c}{2}, \sin \frac{1}{2}A = \sqrt{\frac{(s - b)(s - c)}{bc}}$$

$$\sin \frac{1}{2}B = \sqrt{\frac{(s - a)(s - c)}{ac}}, C = 180^\circ - (A + B)$$

a, b, c

Area

$$s = \frac{a + b + c}{2}, \text{area} = \sqrt{s(s - a)(s - b)(s - c)}$$

A, b, c

Area

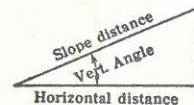
$$\text{area} = \frac{bc \sin A}{2}$$

A, B, C, a

Area

$$\text{area} = \frac{a^2 \sin B \sin C}{2 \sin A}$$

REDUCTION TO HORIZONTAL



Horizontal distance = Slope distance multiplied by the cosine of the vertical angle. Thus: slope distance = 319.4 ft. Vert. angle = $5^\circ 10'$. From Table, Page IX, $\cos 5^\circ 10' = .9959$. Horizontal distance = $319.4 \times .9959 = 318.09$ ft. Horizontal distance also = Slope distance minus slope distance times (1 - cosine of vertical angle). With the same figures as in the preceding example, the following result is obtained. $\cos 5^\circ 10' = .9959$. $1 - .9959 = .0041$. $319.4 \times .0041 = 1.31$. $319.4 - 1.31 = 318.09$ ft. When the rise is known, the horizontal distance is approximately:—the slope distance less the square of the rise divided by twice the slope distance. Thus: rise = 14 ft. slope distance = 302.6 ft. Horizontal distance = $302.6 - \frac{14 \times 14}{2 \times 302.6} = 302.6 - 0.32 = 302.28$ ft.