

Kensington Hts #1 Sewer
S.D. Beach Club
Islenar Course Sewer

168

1950

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

S.D. BEACH CLUB

Return to

Watson, Valle & Gough Inc.
508 Spreckels Bldg.
San Diego, Calif.

MICROFILMED

DEC 30 1964

SEWER KEN. HTS. RDI #23.

M.H.T. LINE SAN DIEGO BEACH CLUB.

SEWER ILSENAIR

SEWER KEN. HTS #1 (RD123)

JUNE 18, 1926 / TREADWELL
ROODIER &
RUBLINGER, X

STA +5 T -S Elev. GRADE CUT.

B.M. 363.13 3

N.W. COR. HEMP. CIRCLE & CANTERBURY ON HEMPSTEAD

8.83 371.96

SW. Cor. Canterbury & Middle Esst. on Cant.

B.M. 2.79 369.17

M. #19 6.52 365.44 ~~361.22~~

~~4.22~~ ✓

+25 5.38 366.58 ~~361.09~~

~~5.49~~ ✓

stakes set on wrong

+50 5.05 366.91 ~~360.97~~

~~5.94~~ ✓

side - Transferred

+100 4.30 367.66 ~~360.72~~

~~6.94~~ ✓

EPC

+50 3.81 368.15 ~~360.47~~

~~7.68~~ ✓

+74.42 3.72 368.24 ~~360.35~~

~~7.89~~ ✓

2+00 4.0 367.95 ~~360.22~~

~~7.73~~ ✓

+50 6.15 365.81 ~~359.97~~

~~5.84~~ ✓

3+00 8.50 363.46 ~~359.72~~

~~3.74~~ ✓

+30.80 M#15 10.22 361.79 ~~359.57~~

~~2.17~~ ✓

B.M. 8.83 363.13

N.W. COR. CANT. & HEMP. CIRCLE ON HEMP.

EASEMENT B/W 5

.5%

SEWER LEVELS BET. MANOR

STA	+S	T	-S	ELEV.	GRADE
BM.				363.13	
	8.83	371.96			
TR			0.51	371.45	
	3.72	375.17			
7+19.24	M.H.#12		3.96	371.21	362.99
7+00			4.44	370.73	362.79
6+50			4.80	370.37	362.29
6+00			5.96	369.21	361.79
5+50			6.50	368.67	361.29
5+00			7.91	367.26	360.79
4+50			7.23	367.94	360.29
4+00			8.37	366.80	359.79
TR	1.98	368.78			
3+70	M.H.#11		3.77	365.01	359.50
3+50			3.92	364.87	359.20
3+00			3.62	365.16	358.67
2+50			3.80	364.98	358.08
2+00			4.11	364.67	357.48
1+50			4.95	363.83	356.89
1+00			4.53	364.25	356.30
0+50			5.78	363.00	355.90
0+00	M.H.#1		5.84	362.94	355.10
			8.37	360.91	
				360.38	.03

594
2378

JUNE 19, 1926.

PARTY / TREADWELL
BOODIER ?
RUPPLINGER (W)

N.W. COR. HEM. CIRCLE B. CANT. ON HEM. RET.

8.22

7.94

8.08

7.42

7.38

6.47

7.65

7.01

5.51

5.61

6.49

6.90

7.19

6.94

7.95

7.30

TOP OF PAV.

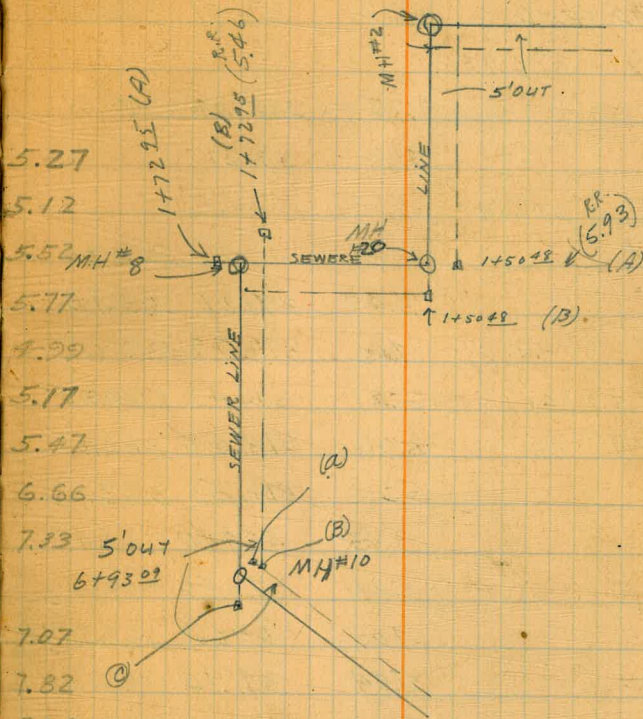
B.M. MARL. RET. AT. S.W. COR. HILDALER ROAD

STA	+S	T	-S	Elev	GRADE
B.M.				360.38	
	11.07	371.45			
0+00 = 2+875 ²			10.61	360.84	355.55
+50			9.15	362.30	357.03
1+00			7.82	363.63	358.51
1+50 ⁴⁸	M.H.#20	(A) Δ	5.93	365.52	360.00
1+50 ⁴⁸	M.H.#20	(B)	5.68	365.77	360.00
+7295	M.H.#8	(B) Δ	5.46	365.99	361.00
+7295	M.H.#8	(A)	5.28	366.17	361.00
2+00			4.77	366.68	361.21
+50			3.20	368.25	361.59
3+00			2.15	369.30	361.97
T.P.	8.09	371.39			
+50			7.96	369.43	362.36
4+00			6.83	370.56	362.74
+4909	M.H.#9		5.59	371.80	363.12
5+00			5.10	372.29	363.52
+50			5.25	372.14	363.90
6+00			4.80	372.59	364.29
+50			4.51	372.88	364.67
+9309	M.H.#10	(a) Δ	4.82	372.57	365.00
+9309	#10	(B)	4.64	372.75	365.00
+9309	#10	(C)	4.83	372.56	365.00
7+50			5.85	371.44	365.57

JUNE 19, 1926

CUT.

S.W. COR. MARL. & CHILDALE ON MARL RET.



STA	+S	T	-S	ELEV.	GRADE	CUT.
		377.89				
7+94 ³⁴	DEAD END		6.32	371.07	366.01	5.06
TP ₂	5.88	376.95				
B.M.			7.78	369.17	✓	
TP ₃			5.68	371.27		
	8.47	379.74				
12+05 ⁹¹	M.H.#6			363.90		
11+76 ⁸⁰			8.47	371.27	363.75	7.52
11+50			7.02	372.72	363.62	9.10
10+96 ⁴⁵	M.H.#5 (A)		5.31	374.43	363.35	11.08
10+96 ⁴⁵	M.H.#5 (B)		5.24	374.50	363.35	11.15
10+50			5.21	374.53	363.12	11.41
10+00			5.64	374.10	362.87	11.23
9+50			5.88	373.86	362.62	11.24
9+00			7.05	372.69	362.37	10.32
8+50			7.84	371.90	362.12	9.78
8+00			8.08	371.66	361.87	9.79
7+78 ⁹⁶	M.H.#4		8.80	370.94	361.76	9.18
7+50		✓	9.08	370.66	361.62	9.04
TP ₁	3.28	373.94				
7+00			3.00	370.94	361.37	9.57
6+53 ⁴⁶			4.01	369.93	361.14	8.79
B.M.			6.38	367.56		
	1.55	369.11				

S.W. COR. CANT. & MIDDLESEX. (ON CANT.)

67.56
66.20
1.36

N.W. COR. MIDDLESEX & MARL (ON MIDD. RETURN IRON PIPE)

THE LONGEST DAY OF THE YEAR.
 JUNE 21, 1926
 PARTY TREADWELL
 ROODIER &
 RUPLINGER (D)

STA	+S	T	-S	Elev	GRADE
6+23 ⁴⁶	DMH#3	369.11	2.35	366.76	360.99 356.05
6+00			2.41	366.70	356.02
5+50			2.98	366.13	355.95
5+00			4.68	364.43	355.87
4+50			4.38	364.73	355.80
4+00			5.57	363.54	355.72
3+50			6.70	362.41	355.65
3+00			7.98	361.13	355.57
2+87 ⁵²	MH#2		8.28	360.83	355.55
2+50			8.91	360.20	355.50
2+00			9.52	359.59	355.42
1+50			10.00	359.11	355.35
B.M.			8.72	360.39	
	635	366.74			
1+00			6.86	359.88	355.27
0+50			5.41	361.33	355.19
0+00	MH#1		4.05	362.69	355.10
B.M.				369.17	
	4.17	373.34			
12+05 ²¹	MH#6		4.54	368.80	363.90
12+50			4.54		364.34
13+00			4.94		364.84
+36 ⁴⁹	MH#7 DEADEND.		5.39		365.21

CUT 5.77
10.71

10.68
10.18
8.56 ✓
8.93 ✓
7.82 ✓
6.76 ✓
5.56 ✓
5.28 ✓
4.70 ✓
4.17 ✓
3.76 ✓

B.M. MARL & HILDALE ON MARL RET. (360.38)

4.61
6.14 ✓
7.59 ✓

B.M. SW. COR. CANT. & MIDD. ON CANT. DRIVE

4.90
4.46
3.56
2.74

JUNE 22, 1926

PARTY / TREADWELL
RODDIER?
RUPLINGER(?)

STA	+S	T	-S	ELV.	GRADE
B.M.				363.13	
	7.40	370.53			
0+00	MH#13		3.53	367.00	358.49
0+50			5.20	365.33	358.64
1+00			6.76	363.77	358.79
1+50			7.60	362.93	358.94
2+05	MH#14		7.75	362.78	359.11
2+50			8.71	361.82	359.24
3+00			8.81	361.72	359.39
3+59.60	MH#15		8.42	362.11	359.57
4+00			7.98	362.55	359.77
4+50			6.71	363.82	360.02
TP	10.94	374.76			
5+00			9.97	364.79	360.27
5+50			9.20	365.56	360.52
5+66.60	MH#16		8.26	366.50	360.61
6+00			7.66	367.10	360.78
6+50			5.64	369.12	361.03
7+00			4.75	370.01	361.28
7+50			4.90	369.86	361.53
8+04.60	MH#17		5.35	369.41	361.80
B.M.			5.14	369.62	✓
8+50			5.66	369.10	362.03
9+00			6.31	368.45	362.28
TP	4.30	372.75			

CUT
NW COR. CANT & HEMP CIRCLE (ON HEMP RD)

8.51	
6.69	✓
4.98	✓
3.99	✓
3.67	✓
2.58	✓
2.33	✓
2.54	✓
2.78	✓
3.80	✓

4.52	✓
5.04	✓
5.89	✓
6.32	✓
8.09	✓
8.73	✓
8.33	✓
7.61	✓

Grades Bottom of Pipe - 7-8-26
{ Dorval
{ Francisco
7.61 + 0.17 + 2.25 = 10.13 = Grade Rod.

COR LOT 1 & DOVER LANE ON I.R. PIPE
7.07 7.07 + 0.17 + 2.56 = 9.80 (Pipe on 0.2 F)
6.11 6.17 + 0.17 + 3.22 = 9.56 (Pipe on 0.3 F)

STA: +S T S Elev. GRADE CUT.

372.75

9+50 4.32 368.43 362.53

10+07 DEADEND 3.76 368.99 362.81

5.90 ✓ $5.90 + 0.17 + 3.76 = 9.83$ (0.7 F)

6.18 ✓ $6.18 + 0.17 + 7.65 = 14.00$ Ditch not done

Stake in side Elev 46.70 = C.422

372.75

3+72³⁰ DEADEND 6.04 366.71 363.08

3+50 5.22 367.53 362.97

3+00 5.45 367.30 362.72

2+50 6.73 366.02 362.47

2+34 MH#18 6.91 365.84 362.39

2+00 7.25 365.50 362.22

1+50 7.89 365.86 361.97

1+00 7.90 364.85 361.72

TP3 4.10 371.95

0+50 6.53 365.42 361.47

0+00 MH#19 6.36 365.59 361.22

2.75 369.20 03

B.M.

369.17

3.63 + 4.89 + 0.17 = 8.70 OK

4.56 ✓ (Stake lost) 8.81

4.58 ✓ $4.19 + 0.17 = 9.06$ OK

3.55 ✓ OK 9.34

3.45 ✓ $3.01 + 0.17 = 6.63$ 6.62 OK 9.40

3.28 ✓ $3.34 + 0.17 = 6.79$ 6.83

3.89 ✓ $4.02 + 0.17 = 7.08$

3.13 ✓ $4.09 + 0.17 = 7.33$

3.95 ✓ $3.45 + 0.17 = 7.57$

4.37 ✓

S.W. COR. CANT. B. ^{HENDSTEAD} MIDDLESEX ON HEMP. (RET)

~~S.W. COR. CANT. B. ^{HENDSTEAD} MIDDLESEX ON HEMP. (RET)~~

+ H.L. - Elev. Grade Cuts.

stake at 4+50 364.73
6.47 371.20

1+62²³ unit line 3.27 367.93 56.37 11.56

+50 3.47 67.73 56.33 11.40

1+00 4.49 66.71 56.18 10.53

+50 5.17 66.03 56.03 10.00

= 0+00 5.39 65.81 55.88 9.93

5+05⁷⁰ on Marlborough at Middlesex
Between MH#2 + MH#3

Middlesex

0.3%

Transferring from Top to ditch
 Lower Grades MH#15 to MH#19
 Red Bottom / Bottom Pipe Grade

BM

363.13

BM

3+20

MH#15

359.40 359.57

3+10

359.55 359.72

4+50

4+00

1+74.0

1+50

4+00

0+50

0+25

0+00

MH#19

7-10-26

{ Boring
 Glover T.
 Copeland ?

Wend Rot N.W. Cor Kempstead Circle S. Canterbury
 Grade Red Bottom Pipe

= 11.54

4.34 + 6.85 + 0.17 = 11.39

6.42 + 4.55 + 0.17 = 11.14

7.90 + 2.85 + 0.17 = 10.92
 12.62
 = 17.50

C 7.77 + 4.81 + 0.17 = 12.75

C 6.15 + 5.68 + 0.17 = 12.00 = Bottom Pipe

= 11.87

= 11.75

SAN DIEGO BEACH.

CLUB.

July 13, 1926

PARTY

TREADWELL
ROODIER
GLOVER P

STA	+S	T	-S	Elev.
B.M.				17.800
	2.135	19.935		
			7.015	12.920
T ₁	3.420	16.340		
			6.505	09.835
T ₂	2.925	12.760		
			6.160	06.600
	5.540	12.140		
B.M.			5.285	06.855
	4.140	10.995		
T ₃			4.800	06.195
	6.635	12.830		
T ₄			3.610	09.220
	6.950	16.170		
			3.540	12.630
T ₅	7.260	19.890		
B.M.			2.095	17.795
B.M.				17.800

NECOR CASS & GRAND INSIDE PROP
LINE, BRASS PLUG IN CON. MON.

BRASS PLUG IN END OF CURB W/END GRAND AVE S/S

ERROR
.005

SAME AS ONE STARTED FROM.

MEAN HIGH TIDE LINE IN FRONT OF
SANDIEGO BEACH CLUB. PROPERTY.

STA DIST L R MAG BEAR.

STA	DIST	L	R	MAG	BEAR.
F					
	147.56				N63°15'E
E					
	144.43				
D					
	92.31				
C					
	99.95				S32°00'E
B					
	212.07				
A					

JULY 13, 1926

PARTY: TREADWELL
GLOVER
ROODIER

179-60
115-39
64-21

FD. 2X2 RW. SEE SKETCH ON NEXT PAGE.

STA DIST L R MAG BEAR

B

212.07

S82°30'W

A

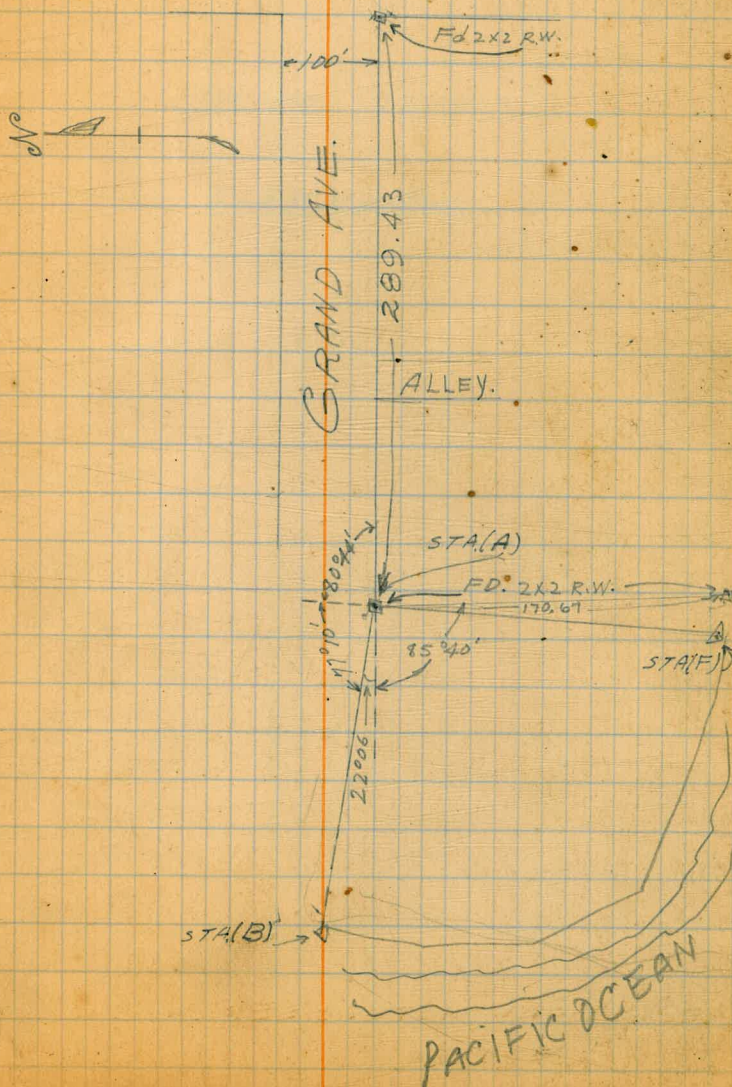
△ 7790'

250.20

F

TIE M.H.T. TRAVERSE TO PROP.

ALLISON. S.D.E. RR. ST.



SEWER LEVELS

ILSENAIR

July 28, 1926

STA	+S	T	-S	Elev	GRADE	CUT.
				297.35		"+" ON WALK. HOUSE AT 3232 CENTER ST.
	11.37	308.74				
	FROM MH #15					
0+00	MH#		10.58	298.16	292.00	6.16
+50			8.91	299.83	293.35	6.48
1+00			6.91	301.83	294.70	7.13
+50			5.19	303.55	296.05	7.50
2+00	MH#16		3.76	304.98	297.40	7.58
			0.78	307.96		
	5.15	313.11				
2+50			6.16	306.95	298.75	8.20
3+00			5.07	308.04	300.10	7.94
+50			3.74	309.37	301.45	7.92
4+00			2.86	310.25	302.80	7.45
+25	MH#17		5.20	307.91	303.48	4.43
+55			0.21	312.90	304.74	8.06
	7.58	322.38				
5+00			7.88	314.50	306.63	7.87
+50			6.41	315.97	308.73	7.24
6+00			4.75	317.63	310.83	6.80
+50			2.55	319.93	312.43	6.90
7+00	MH#18		0.37	322.01	315.03	6.98
	10.29	332.30				
B.M.			8.35	323.95		LOT. HUB. 8+9. B/K (2) ONEUCLID A/C

July 29 1926

STA	+S	X	-S	Elev	GRADE	OUT.
				323.95		
	9.60	333.55				
7+50			9.62	323.93	317.13	6.80
8+00			7.40	326.15	319.23	6.92
+50			5.26	328.29	321.33	6.96
7+00			3.62	329.93	323.43	6.50
+50			1.68	331.87	325.53	6.34
10+00	MH# 19		0.21	333.34	327.63	5.71
			0.14	333.41		
	824	341.65				
10+50			6.52	335.13	328.88	6.25
11+00			5.02	336.63	330.13	6.40
+50			5.02	336.63	331.38	5.25
12+00			5.62	336.03	332.63	3.40
+10	DEAD END		5.68	335.97	332.88	3.09
B.M.			7.92	332.73		

Begin ret on w/s of Belle Ilse Drive
near letter "E" in "Drive!"

AUG. 26 1926
 PARTY / TREAD
 RODIER
 RUDLINGER
 TODD.

STA + - Elev. GRADE CUT.
 0+00 301.51

6.66 308.17

0+00 MH# 15 10.35 297.82 292.00 ↑ 5.82
 +50 8.92 299.25 291.65 7.60
 1+00 8.38 299.79 291.30 8.49
 +25 MH# 14 8.55 299.62 291.13 8.49
 +50 8.36 299.81 290.95 8.86
 2+00 7.30 300.87 290.60 10.27
 +50 DMH#10 7.19 300.98 290.25 10.73

OK

~~3+00 4.18 303.99 289.09
 3+25 6.79 301.38 289.51
 0 11.22 296.95~~

~~9.54 306.49~~

~~3+50 10.30 296.19 287.92
 0 9.54 296.95~~

~~1.44 298.39~~

~~3+75 8.13 290.26 287.34
 0 10.32 288.07~~

~~2.95 290.52~~

4+00 6.23 284.29 286.76 2.37 FILL F.1.2

4+25 7.13 283.30 286.18

4+49²⁰ MH#3 4.92 285.62 285.85 0.23 FILL C.14

0.7% GRADE ↑ 2.32

AUG. 27, 1926

PARTY
TREADWELL N
RUDLINGER T
TODD
ROPIER

STA	+	-	ELEV	GRADE	CUT.
B.M.			333.73		
	4.48	338.21			Beg ret. on W/S Belle Isle Drive near letter "E" in Drive.
1A+05	DEAD END		4.67 333.54	327.64	5.90
13+90			4.77 333.44	327.53	5.91
13+40			5.30 332.91	327.18	5.73
12+90			5.17 332.04	326.83	6.21
12+40	MH#9		5.31 332.90	326.48	6.42 ✓
12+00			5.41 332.80	326.20	6.60
11+50			5.22 332.99	325.85	7.14 ✓
11+00			6.10 332.11	325.50	6.61 ✓
10+50			6.41 331.80	325.15	6.65 ✓
			6.44 331.77	0	
	3.83	335.60			
10+00	MH#8		4.29 331.31	324.80	6.51 ✓
9+75			4.24 331.36	324.62	6.74 ✓
9+25			4.43 331.17	324.27	6.90 ✓
8+75	MH#7		5.34 330.26	323.92	6.34 ✓
8+50			5.30 330.30	323.75	6.55 ✓
8+00			5.26 330.34	323.40	6.90 6.94 ✓
7+50			5.75 329.85	323.05	6.80 ✓
7+00			6.27 329.33	322.70	6.60 6.63
6+50			6.58 329.02	322.35	6.67 ✓
6+00	MH#6		7.18 328.42	322.00	6.42
5+50			7.70 327.90	321.00	6.90 ✓

	T	-	E	GRADE	CUT
5400		8.35	327.25	320.00	7.25
0		8.20	327.40		
	1.47	328.87			
4450		2.76	326.11	319.00	7.11 ✓
4400		4.04	324.83	318.00	6.45 6.83 ✓
0		7.44	321.43		
	2.09	323.52			
3450		0.66	323.46	317.00	6.46 ✓
3400 MH#5		1.59	321.93	316.00	5.93
2450		3.41	320.13	313.16	6.94
2400		6.31	317.21	310.32	6.89
1450		9.49	314.03	307.49	6.54
0		10.51	313.01		
	1.46	314.47			
1400		3.59	310.88	304.66	6.22
0450		6.10	308.37	301.83	6.54
0400 MH#4		7.84	306.63	299.00	7.63
0		7.63	306.83		
	5.34	312.19			
0400 MH#4		5.43	306.74	299.00	7.74
0450		8.01	304.16	291.70	12.46
		<u>302.52</u>			
0475		3.50	299.00 ²	288.05	10.95
0487 ⁵ MH#3		8.20	294.32	286.25	8.07

2.08
5.995

Cut

BM -

30683

5.34 3/2.17

0400 MH#10

11.10 301.00^T 290.25

10.95^{BZ}

0450

7.88 304.29 289.19

15.10

0

12.05 300.12

240 302.52

1400

4.10 298.42 288.13

10.29

1425

8.56 293.96 287.60

06.36

1450

12.83 289.69 287.07

02.62

1475

13.80 288.72 286.54

2.18

1488 MH#3

11.27 291.25 286.25

5.00

S/S MIDDLESEX.
bet CANT & MARL.

1775

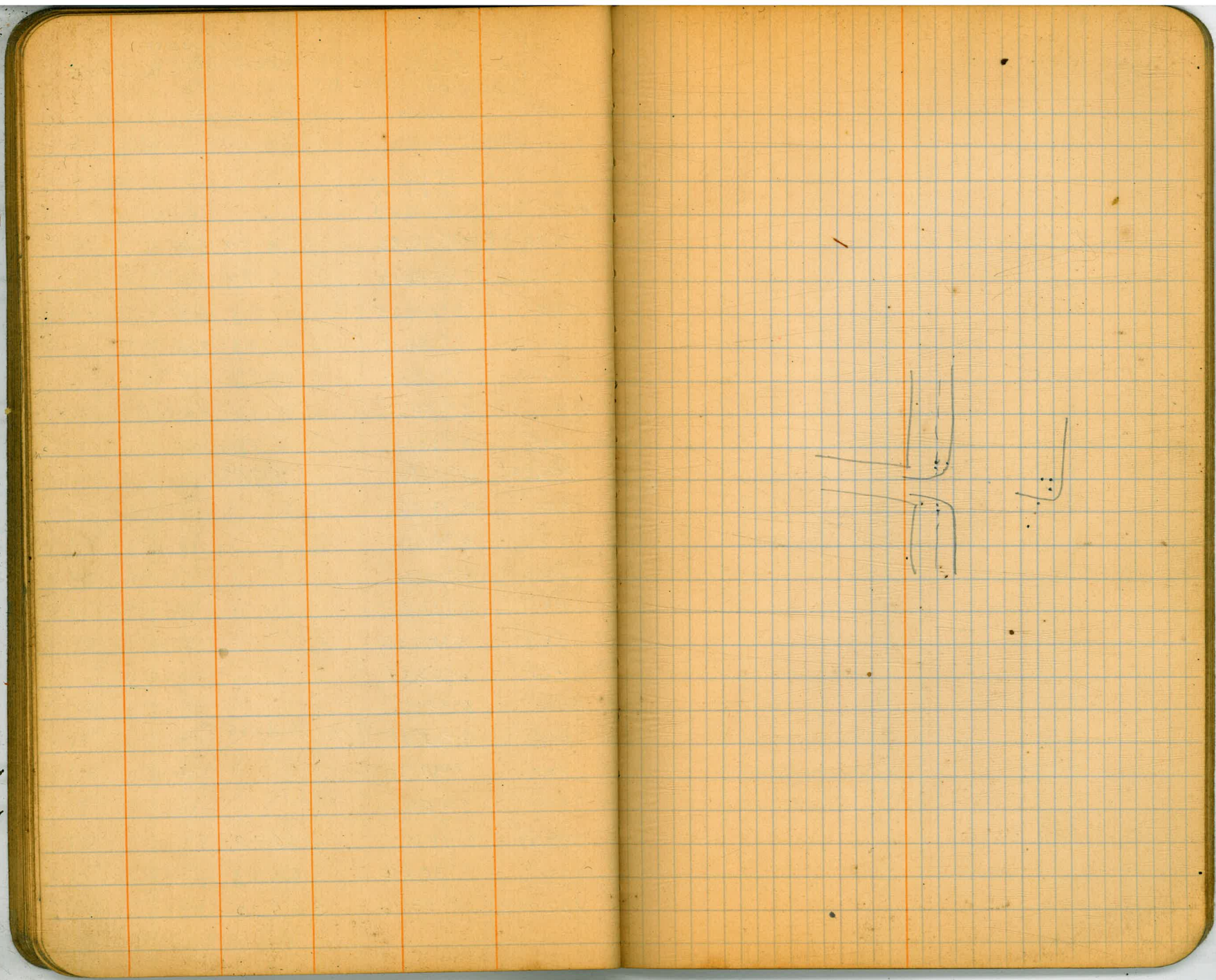
STA	DLEF	GRADE
0+00	PC	
0+25	0°25.03	
+50	0°50.06	
+70.21	1°10.29	371.80
+75	1°15.09	
+70.0	1°40.12	372.20
+75	2°05.15	372.40
+50	2°30.18	372.30
+75	2°55.21	372.10
2+00	3°20.25	371.65
+21.01	3°41.28	371.20
+25	3°45.28	
+50	4°12.31	
+75	4°35.34	
3+00	5°00.38	
+25	5°25.40	
+50	5°50.42	
+75	6°15.44	366.53 d=6°06.96 368.3
+400	6°40.46	
+25	7°05.48	
+50	7°30.50	
+75	7°55.52	
5+00	8°20.54	
+12.05	8°32.60	365.40
EC		

$\Delta = 17^{\circ}05'13''$
 $R = 1717$
 $L = 512.05$
 $E' = 1.001$
 $\frac{1}{2}\Delta = 8^{\circ}32'36''$

N/S MIDDLESEX
bet MARLE & CANT.

STA	DLEF	GRADE
0+00	PC	
0+25	0°25.53	
0+50	0°51.06	
0+75	1°16.59	
+92.70	1°33.92	372.30
+100	1°42.12	72.35
+75	2°07.65	72.60
+50	2°33.17	72.70
+75	2°58.69	72.60
2+00	3°24.21	72.40
+25	3°49.74	72.00
+47.50	4°12.91	371.70
750	4°15.26	
+75	4°40.78	
3+00	5°06.30	
+25	5°31.83	
+50	5°57.36	
+75	6°22.89	
4+00	6°48.42	
+25	7°13.96	
+50	7°39.50	
+75	8°05.06	
+88.68	8°19.03	366.70
5+00.	8°30.62	66.53
+22.86 EC.	8°53.96	366.20

$\Delta = 17^{\circ}04'$
 $R = 1683$
 $L = 522.86$
 $\frac{1}{2}\Delta = 8^{\circ}54'$



~~4.21~~
2.86

7.07

4.21

10.00
2.86

12.86 X
4.61

8.25

359.57 MH#15 ✓	330.88
<u>1.65</u>	<u>5</u>
361.22 MH#19 ✓	165.490
<u>1.17</u>	<u>234.00</u>
362.39 MH#18 ✓ ✓	<u>5</u>
<u>1.69</u>	<u>1.170</u>
363.08 DEADEND ✓ ✓	138.30
	<u>5</u>
	1691.50

302.52
11.25
 391.27

80°44
 2210
7706
 18060

.05
~~780~~
5
 .03650
 .04

SEWER CIRCLE

358.49	MH# 13 ✓	205
.62		3
<hr/>		<hr/>
359.11	MH# 14 ✓	6 15
46		
<hr/>		
359.57	MH# 15 ✓	15460
1.04		3
<hr/>		<hr/>
360.61	MH# 16 ✓	463.80
1.19		207.00
<hr/>		<hr/>
361.80	MH# 17 ✓	1.035.00
1.01		5
<hr/>		<hr/>
362.81	BEADEND. ✓	238.00
		3
		<hr/>
		119000
		202.46
		5
		<hr/>
		1012.00

22°06'

1028
255

1283

71.2	71.2
654	654
<hr/>	<hr/>
658	5.8
	2.9
	654
	<hr/>
	68.3

~~13600~~
\$136,000.00
4.0800

86.55	16.53
92.70	1001
<hr/>	<hr/>
199.25	1653
	165300
	<hr/>
	.1654

488.68

5+12.05
2+21.01
<hr/>
2+91.0+
1+45.52
2+21.01
<hr/>
2+66.53
.5050'42
1654
<hr/>
6006.96

5+22.86
2+47.50
<hr/>
2+75.36
33

488.68
2+47.50
<hr/>
241.16

35849 MH# 13
1.03

359.52 MH# 14
.77

360.29 MH# 15

205
5
1025

15460
5
77300

205
35948
35899
.99

205
3
615

181
3
453

59.07
3
59.52

59.07
3

59.07
62
58.45

371.96

4.55 LIP OF M.H. ON N. MAINLINE CONT. DRIVE
367.41 (E)

370.00 20.74
 " 4
 59.3

530.8
 .005

545.00
- 4.55

361.45

62.00
60.79

1.61

363.44 = Sta 3100
 .650

370.00 = T
 .808

361.92 43.13
 75.1

151
 5

156

70.64
6.54

64.10
59.12

4.98

370.64

59.57

11.17

59.07
 .76

59.83

366.99
 .568

361.31 6.15
300.97 15.51

 11.66

7.41
305.4

372.83 T
 .568

17
56.5

41.5

367.15
60.97

6.18 = @

17.00

WATSON, VALLE & GOUGH