1801

DETROIT

ENGINEERS'

FIELD BOOK

No. 4045

Contractor _____
Engineer _____
Manager _____
Attorney _____

CITY OF SAN DIEGO
CALIFORNIA

AUTHORIZATION FOR CHANGE ORDER NO. _____
TIME EXTENSION OF _____ DAYS.

Contractor _____

Date _____
W. O. NO. _____
Contract No. _____
Pur. Order No. _____
Ordinance No. _____
Fund No. _____

Job: _____

Card No. _____

Description of Change: _____

Reason for Change: _____

This will (1) not change ( ) (2) increase ( ) (3) decrease ( ) the amount payable under the contract by:

(A) $_____ based on: (1) Agreed lump sum _____ (2) Unit prices in bid _____ (3) Unit prices agreed upon _____

Approx.
(B) $_____ based on: (1) Agreed lump sum _____ (2) Unit prices in bid _____ (3) Unit prices agreed upon _____

(C) Approx. $_____ based on estimated cost plus.

_____ days time extension requested to _____
_____ additional funds requested.

This Change Order (will or will not) require Council Resolution No. _____

Ordered by _____ Accepted by _____
(Contractor)

cc: City Clerk
Auditor
Contractor
File W. O. _____
Budget Officer
Bunch
Knapp
Inspector
Attorney
_____
_____

Approved by _____
City Engineer

Recommended by _____
Asst. City Manager

Approved by _____
Deputy City Attorney

21624

(Form No. 17)

(5) Intersection Barnac and 72nd St.

Remove 350 sq ft existing pavement and replace with 2" A.C. paving on 5" soil cement

(6) Intersection of Barnac and 71st Street

Remove 375 sq feet of existing pavement and replace with 2" A.C. paving on 5" soil cement

Contractor _____
Engineer _____
Manager _____
Attorney _____

CITY OF SAN DIEGO
CALIFORNIA

AUTHORIZATION FOR CHANGE ORDER NO. _____
TIME EXTENSION OF _____ DAYS.

Contractor _____

Date _____
W. O. NO. _____
Contract No. _____
Pur. Order No. _____
Ordinance No. _____
Fund No. _____

Job: _____

Card No. _____

Description of Change: _____

Reason for Change: _____

This will (1) not change ( ) (2) increase ( ) (3) decrease ( ) the amount payable under the contract by:

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Approx.
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_____ days time extension requested to _____
_____ additional funds requested.

This Change Order (will or will not) require Council Resolution No. _____

Ordered by _____ Accepted by _____
(Contractor)

cc: City Clerk
Auditor
Contractor
File W. O. _____
Budget Officer
Bunch
Knapp
Inspector
Attorney
_____
_____

Approved by _____
City Engineer

Recommended by _____
Asst. City Manager

Approved by _____
Deputy City Attorney

(Form No. 17)

(1) North West Corner of Elcajon Blvd and 71st Street

Remove 27 linear feet existing curb
180 sq ft existing sidewalk

Replace 25 linear feet Type G Curb
25 linear feet of 4.5' standard sidewalk also
50 sq ft of side walk to ramp into existing sidewalk

(2) North east Corner of Elcajon Blvd and 71st Street

Remove: 27 linear feet existing curb
40 sq ft existing sidewalk

Replace 25 linear feet type G Curb
90 sq ft standard sidewalk

Remove 575 sq ft of existing A.C. pavement and replace with 2 inches A.C. paving on 5" soil cement.

(3) North west corner of Elcajon Blvd and 72nd Street

Remove 20 linear feet of existing curb
80 sq ft existing sidewalk

Replace 27 lineak feet type G Curb
60 sq ft standard sidewalk

(4) North East Corner of Elcajon Blvd and 72nd Street

Remove 27 linear feet of existing curb

Replace 25 linear feet of Type G curb

Resurface 575 sq feet of A.C. surface

2 CA
96
72
12
36

CITY O
CAL

AUTHORIZATION FOR CHANGE ORDER NO. _____

(2) Unit prices in bid
(3) Unit prices agreed upon _____

sed on estimated cost plus.

equested to _____
ested.

re Council Resolution No. _____

ted by _____
(Contractor)

Approved by _____
City Engineer

Recommended by _____
Asst. City Manager

Approved by _____
Deputy City Attorney

(Form No. 17)

Pages.

1-2 - Sewer Grades - Housing Project.
3 - Sewer M.H. Elev. - Bangor - Bet. Hill + Trumbull
4 Cross Sec. Van Nuys - La Jolla Mesa Dr. West
5-15 X-Sec - Alley Block 87, E.W. Morse's Sub.
17-25 - X-Sect. Mohawk - 71st to 73rd.
26-32 - " " 72nd - El cajon to Saranac
33-35 Topog P.L. 272, 282, 283
36-44 Saranac 70-72nd
45-50 Mohawk 70-71st
51-56 73rd El Cajon to Saranac
57-59 Van Nuys - La Jolla Mesa - east

Location & Grades for Private
6" Sewer Line from Ext. 4" C.I (Farmers Market)
Existing M.H. in Housing Project.

INDEXED

3+56.31 = Conn. to Ext. M.H.
Assumed elev. of Flowline to be 10.00

2+243 = Top of 18" pipe = 12.90 = El. Top Pipe

2+06.31 = Ang. 65° 02' Lt.

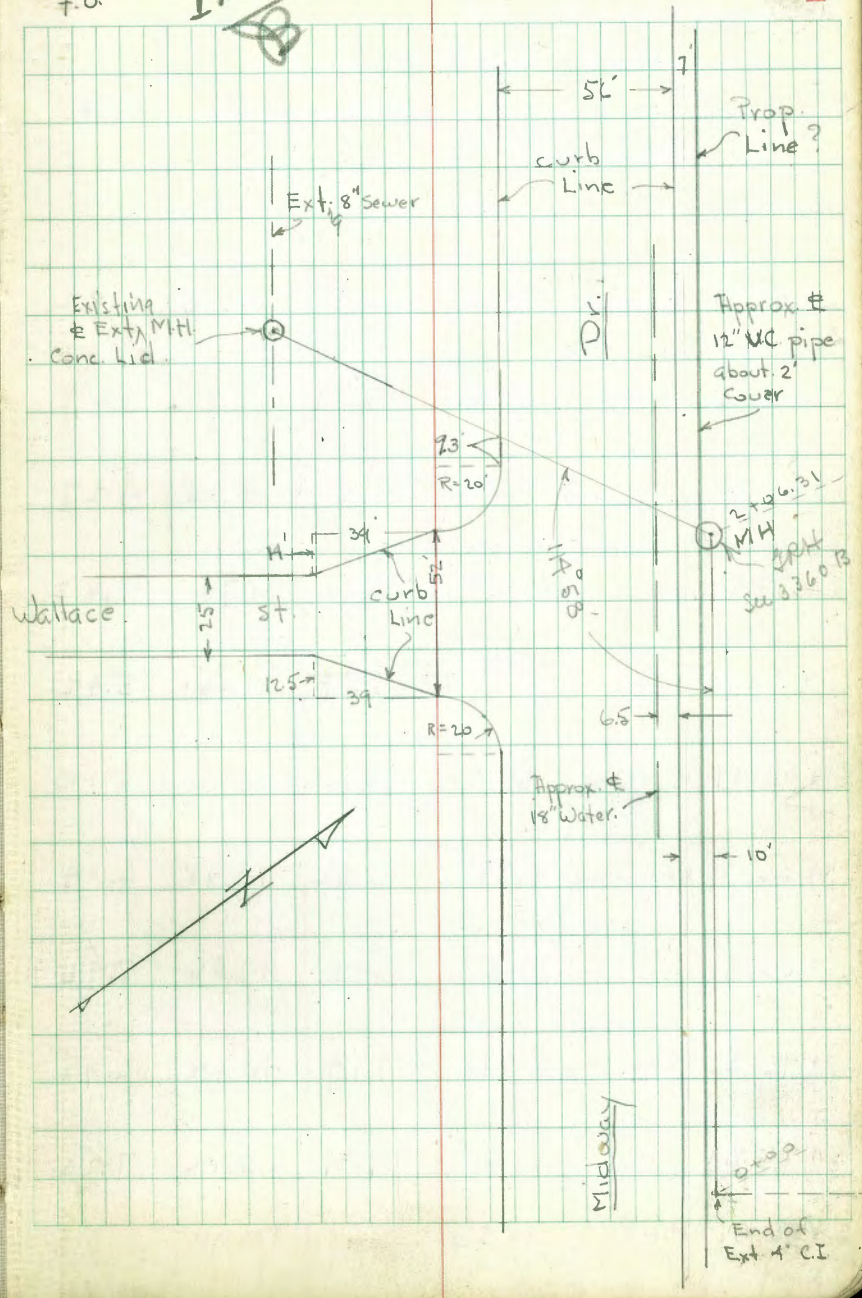
Line 10' from curb face - should be 3' back of Prop. Line

0+00 = Conn. to Ext. 4" C.I. Sewer

10-2-47
7.0.

Indexed

1



3+56.31
Assumed El. of F.L. M+1. 10.00

11.50 21.50 = π

		Rod	El. Stake	Grade	Cut
	Stakes - 6' Lt.				
0+00		7.60		13.90	
+34.38	Pr. = crossin	5.33	16.17	13.35	2.82
+68.76	Nail	5.03	16.47	12.80	3.67
1+03.14	"	4.98	16.52	12.25	4.27
+37.52	"	4.98	16.52	11.70	4.82
+71.90	"	4.93	16.57	11.15	5.42
2+06.31	6' Lt. = Nail 12" W. Cross in cb	4.80	16.70	10.60	6.10
+36.31	Nail in pave	4.98	16.52	10.48	6.04
+66.31	"	5.18	16.32	10.36	5.96
+96.31	stub.	4.31	17.19	10.24	6.95
3+26.31	"	4.16	17.34	10.12	7.22
3+56.31 = M.H.		11.50		10.00	

Check Elev. of Sewer M.H.'s

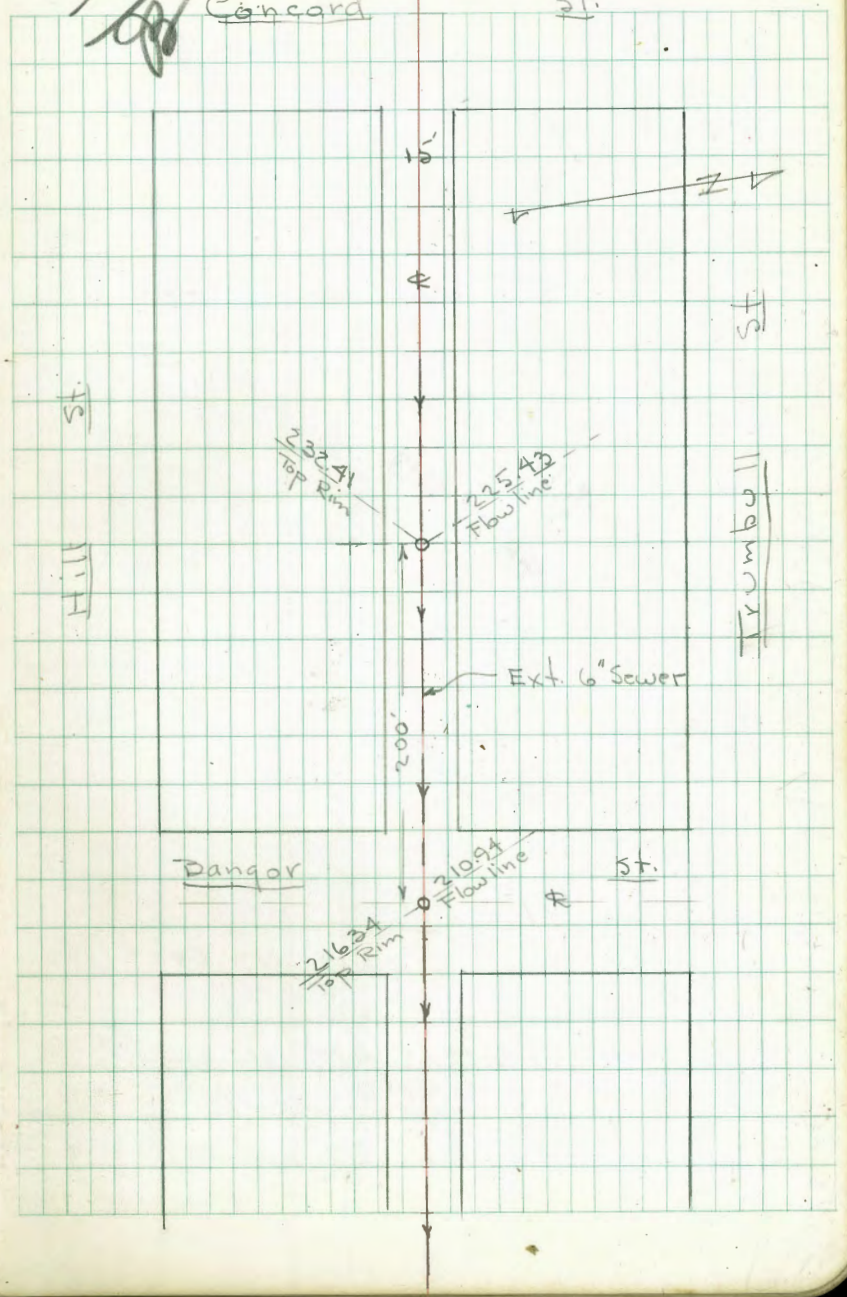
10-9-47

Osborne

INDEXED

B.M	11.35	227.44		216.09	NW B.P. Concord + Talbot
T.P	10.54	237.87	0.11	227.33	
T.P.	5.52	241.44	1.95	235.92	
Top Rim - MH in Alley			9.03	232.41	
F.L	"	"	"	16.01	225.43
T.P.	0.30	228.56	13.18	228.26	
Top Rim - MH in ℄ Bangor			12.22	216.34	
F.L.	"	"	"	17.62	210.94

Indexed



Cross Section
VAN NUYS St.
La Jolla Mesa Dr. West to P.L.

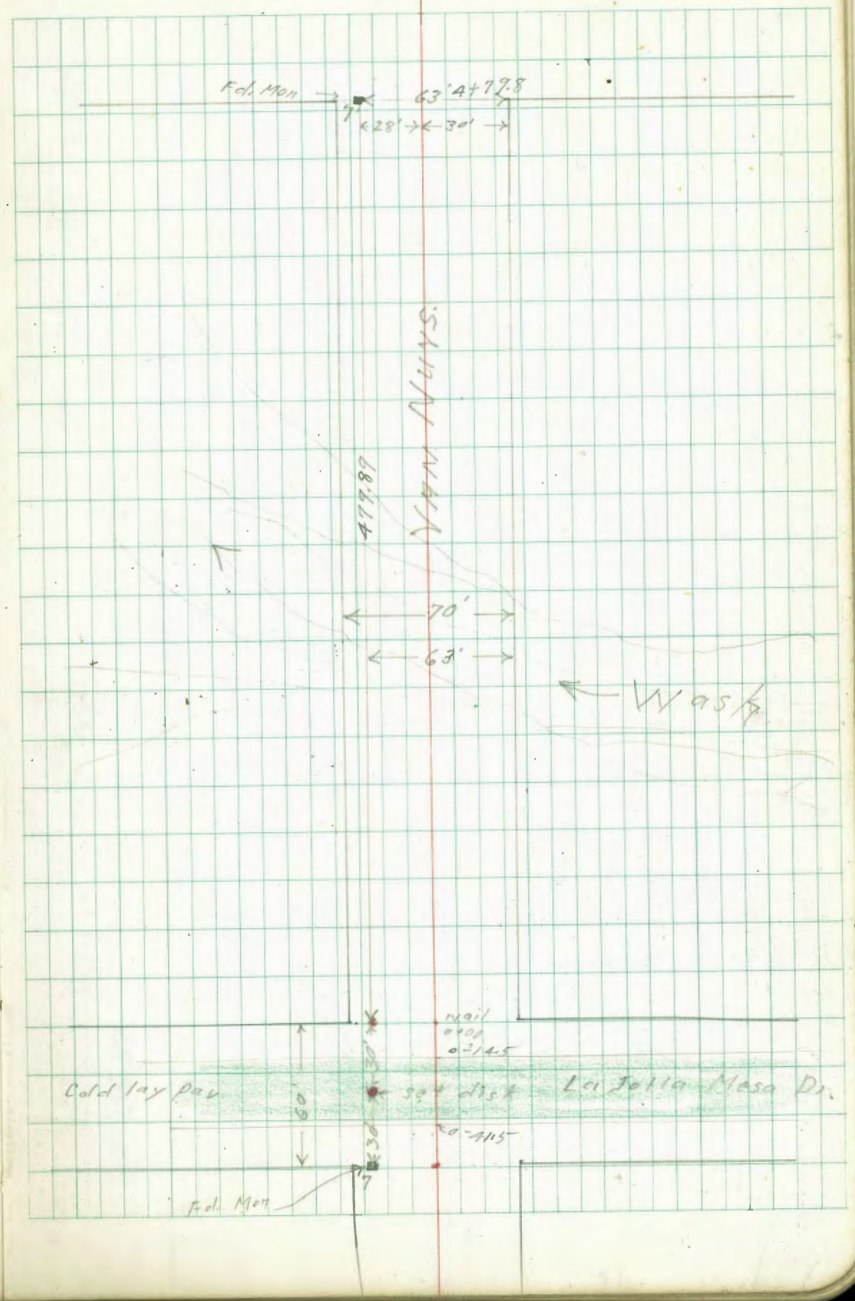
2-26-48
W.O. 25001

Sommermeyer
McCoy
Moore
E Sherman

See FB 1724 P-57
(for new improvements)

INDEXED
FEB 27 1948

Disk ℄ La Jolla Mesa Dr. & S. 7' line Van Nuys.			5.17	137.68	B.M. #1
T.P.	8.95	~~144.87~~	0.39	135.92	
S.E. Mon. Archer & La Jolla Mesa Dr. East line & So. 7' line	13.03	136.31	—	123.28	



Van Nuys St.

INDEXED

0+05				
0+00 = Wly line La Jolla Mesa Dr.				
0-10				
0-14^{5} = Wly. edge pavement				
0-28 = Apex of crown in paving				
T.R. S.E. Mon S. of Van Nuys E.L. La Jolla Mesa. Dr.	10.46	150.00	5.33	139.54
0-41^{5} = Ely. edge paving (on paving				
		144.87		

136.50	140.20	140.10	139.30	139.80	140.90	143.70	147.80
13.5/100	9.8/35	9.9/25	10.7/21	10.2	9.1/23	6.3/35	2.2/100
134.60	139.90	140.00	139.10	139.70	141.00	142.30	146.10
15.4/100	10.1/35	10.0/28	10.9/22	10.3	9.0/25	7.7/35	3.9/100
		134.80	137.90	139.50	141.20	144.30	
		15.2/100	12.1/35	10.5	8.8/35	5.7/100	
135.10	136.50	138.40	139.90	141.50	143.00	144.70	
14.9/100	13.5/70	11.6/35	10.1	8.5/35	7.0/70	5.3/100	
135.90	137.50	139.30	141.00	142.60	144.40	145.90	
14.1/100	12.5/70	10.7/35	9.0	7.4	5.6	4.1	
			150.00				
135.67	137.17	138.87	140.57	142.27	143.97	144.97	
7.2/100	7.7/70	6.0/35	4.3	2.6/35	1.2/70	+0.1/100	

VAN NUYS

INDEXED

1+80				
1+60				
1+50				
T.P.	1.57	139.06	12.51	137.49
1+00				
0+65				
0+30				
		150+00		

			132.06	133.66	131.16	133.16	137.26
			7.0 / 35	5.4 Edge wash	7.9 / 18 Bottom wash	5.9 / 35	1.8 / 60 Edge wash
			132.96	134.46	136.46	133.26	140.26
			6.1 / 35	4.6	2.6 / 35 Edge wash	5.8 / 35 Bottom wash	+1.2 / 100 Edge wash
		133.26	134.96	137.26	137.86	139.16	140.86
		5.9 / 35	4.1	1.8 / 35	1.2 / 56 Edge wash	4.9 / 55 Bottom wash	+1.8 / 131 top wash
	133.30	135.80	135.80	138.20	139.70	143.70	144.90
	16.7 / 120	14.2 / 35	14.2 / 25	11.8	10.3 / 35	6.7 / 60	5.1 / 100
		138.20	137.90	139.60	141.60		
		11.8 / 35	12.1 / 26	10.4	8.4 / 35		
		139.70	138.80	140.40	143.00	144.60	145.10
		10.3 / 35	11.2 / 23	9.6	7.0 / 35	5.4 / 45	4.9 / 60

139.06

150.00

Van Nuys

℄

Station							
3+50				11.5/35 127.56	9.8 129.26	8.2/35 130.86	
3+00		14.2/100 124.86		10.2/35 128.86	8.5 130.56	6.2/35 132.86	3.2/100 135.86
2+50				9.2/35 129.86	7.2 131.86	4.6/35 134.46	
2+15			11.9/100 127.46	9.0/35 130.06	6.6 132.46	4.0/35 135.06	+0.2/100 139.26
2+00	11.7/100 127.36	8.1/35 130.96	7.8/74 131.26	8.7/7 Bottom wash 130.36	7.1 131.96	3.8/35 135.26	+0.5/100 139.56
1+89 Cross wash ℄ on ℄ Van Nuys			7.4/35 131.66	6.6/71 Edge wash 132.46	8.5 Wash Bottom 130.56	3.5/35 Edge wash 135.56	2.7/50 136.36

139.06

139.06

Van Nuys

				Error: 0.02	
Page 4 Orig B.M.			10.14	123.26	(123.28)
T.P.	1.13	133.40	10.76	132.27	
B.M. #1 Page 4	55		3.37	139.66	(139.68)
T.P.	4.29	143.03	12.14	138.74	
N.E. 5'247. tapt. T.P. + Colima	3.16	150.88	3.27	147.72	(147.52)
T.P.	12.92	150.99	0.99	138.07	
4+79.8	Pueblo	line			
4+40					
4+00					
		139.06			

118.96

20.1/100

By Hand level

122.26

16.8/35

123.96

15.1/35

125.26

13.8/35

123.56

15.5

124.86

14.2

126.86

12.2

125.26

13.8/35

126.96

12.1/35

128.56

10.5/35

126.76

12.3/100

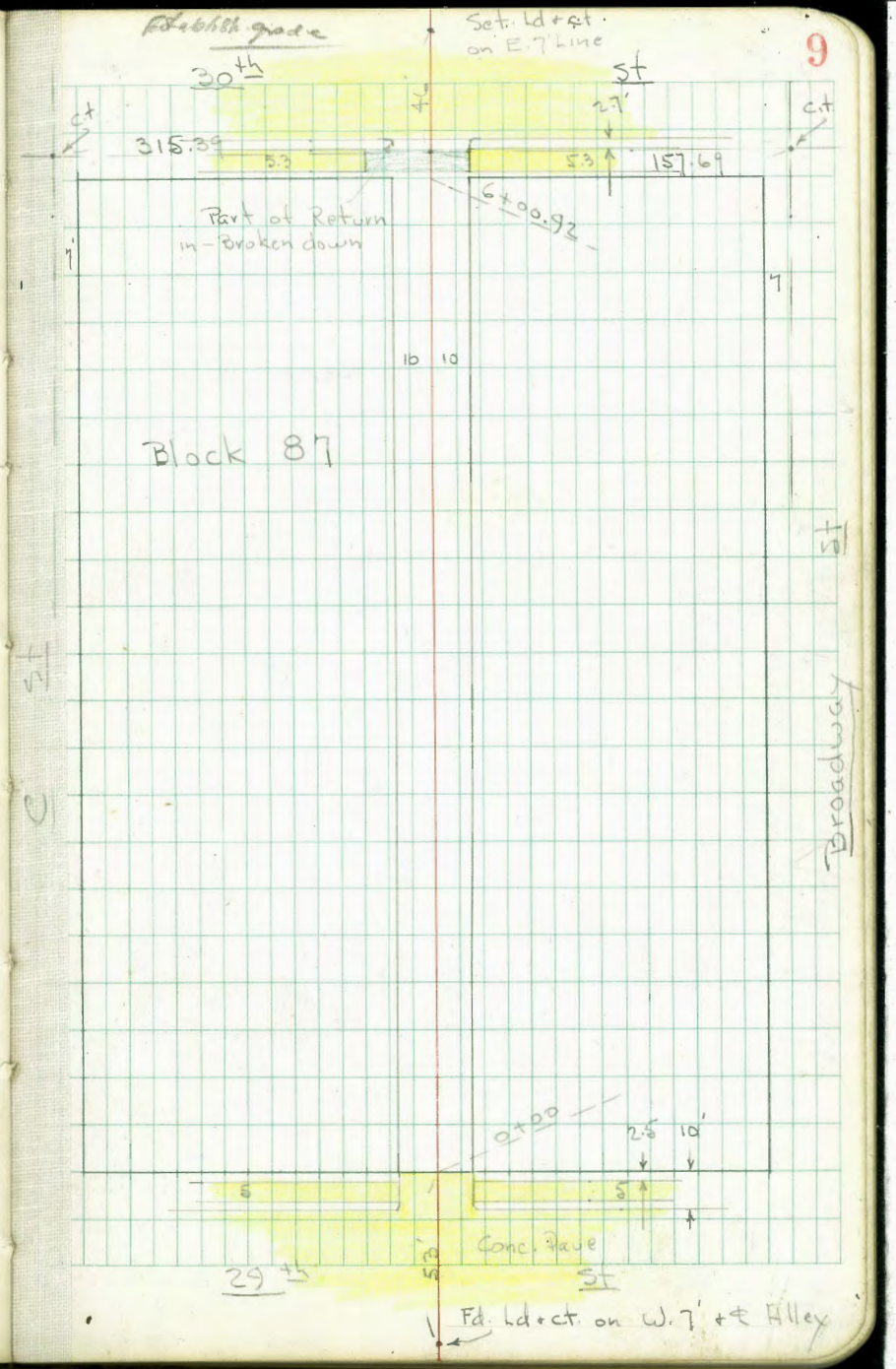
139.06

X-Sect. 20' Alley in Block 87 in
E.W. Morses Sub. - Map 547

W.O. 25001 4-6-48

INDEXED

Indexed



X-Sect. 20' Alley - Blk. 87

INDEXED

0+52.5 - 13.4 Rt. = Beg. Conc. apron - to Doub. Gar. (Conc. floor)

0+50 - 14.3 Rt. = end apron

0+35

0+34 - 14.5 Rt. = Beg. Conc. apron to Doub. Gar. (House above, Conc. floor)

0+33 - 6.2 Lt. = end Picket fence

0+31 - 11 Rt. = end Conc. Wall

0+17 - 10.2 Rt. = Wall

0+07.5 - 6.7 Lt. = Beg. Picket fence

0+07

10.4 Rt. = beg. 6" Conc. wall

0+00 = E.L. 29th = edge of Conc. pave

0-10 = E. cb 29th

Check Top Hyd. SE. Bwdy & 29th			8.49	183.64	Book 183.60
T.P.	5.30	192.13	11.21	186.83	
Check B.M. S.W. 30th & C (sunk)			3.24	194.80	194.96 = Book
B.M.	2.96	198.04		195.08	S.E. Bwdy & 30th

Lt. = N. ℄ Rt. = S.

0+52.5: 184.06 / 8.07 / 13.4 apron; 184.09 / 8.04 / 16.2 floor

0+50: 184.11 / 8.02 / 14.3 apron; 184.22 / 7.91 / 16.4 floor

0+35: 182.5 / 9.6 / 15; 182.9 / 9.2 / 10; 184.6 / 7.5 / 4; 184.8 / 7.3; 184.8 / 7.3 / 10; 184.25 / 7.88 / 14.5 apron

0+34: 184.26 / 7.87 / 14.5 apron; 184.27 / 7.86 / 16.6 floor

185.2 / 6.9 / 11 ground; 187.03 / 5.10 / 11 Top wall; 186.8 / 5.3 / 10.2 ground; 187.90 / 4.23 / 10.2 Top

185.8 / 6.3 / 17.2 along House; 186.2 / 5.9 / 10; 187.2 / 4.9 / 6; 187.1 / 5.0; 187.4 / 4.7 / 10; 188.33 / 3.80 / 10.4 Top wall; 189.0 / 3.1 / 15

186.93 / 5.20 / 10 Top end cb.; 186.85 / 5.28 / 10 gut.; 186.80 / 5.33; 187.18 / 4.95 / 10 gut.; 187.66 / 4.47 / 10 Top-end cb.; 188.33 / 3.80 / 10.4 Top Conc. wall

184.95 / 7.18 / 50 Top; 184.28 / 7.85 / 50 gut; 186.30 / 5.83 / 25 Top; 185.65 / 6.48 / 25 gut; 186.77 / 5.36 / 10 Top 2' Rad; 186.17 / 5.96 / 10 gut.; 186.51 / 5.62; 186.85 / 5.28 / 10 gut; 187.62 / 4.51 / 10 Top 2' Rad; 187.34 / 4.79 / 25 gut.; 188.01 / 4.12 / 25 Top; 188.19 / 3.94 / 50 gut; 188.81 / 3.32 / 50 Top

192.13

1+92 = ℄ Wash = on Conc. inc of Sewer.

1+70

1+50 - 1.1 Rt = ℄ Sewer MH.

1+03 - - 3' Rt = ℄ .24" Palm.

T.P. 0.24 167.80 13.22 167.56

1+25 - Filling in on Rt.

1+02 - 9.3' Rt = Nly P pole # A-2916

1+00

0+85

T.P. 1.83 180.78 13.18 178.95

0 + 71 - 13.1 Rt. = end Apron

0+70

Lt. ℄ Rt

149.5	148.5	148.7	147.72	148.2	148.3
18.3	19.3	19.1	20.08	19.6	19.5
30	10	above ground	Top - Bottom conc. of wash	10	30

148.2	149.9	149.5	149.7	149.6	148.9
19.6	17.9	18.3	18.1	18.2	18.9
55	30	10		10	25 Toe fill
℄ wash					

150.2	151.2	153.57	152.0	152.1	159.0
17.6	16.6	14.23	15.8	15.7	8.5
30	10	on Rim	ground	10 Toe Fill	25 on Slope

154.7	157.6	167.80			
26.1	23.2	21.3	20.2		
30	10		10 Toe fill		

171.6
9.2
20 Top - flat fill

162.15	164.3	166.4	169.0	169.4	170.4
18.3	16.15	14.4	11.0	11.4	10.4
30	20	10		10	20

166.1	170.7	174.7	178.7	178.9	176.2
14.7	10.1	6.1	2.1	1.9	4.6
30	20	10		10	20

180.78

170.9	181.1	183.3	183.6	183.6	183.46	183.72	183.42
2.12	11.0	8.8	8.5	8.5	8.67	8.41	8.7
28	10	6		10	13.1 apron	16.7 elbow	13.1 end apron

192.13

4+01.5	8.3 Rt. = Nly. P. pole # A 2980 along N. S of House			
3+98.5	8.4 Lt. = S.E. Cor. House & Beg. Conc. slab			
3+92.5	6 Lt. = end Conc. slab			
3+80.5	8.4 Lt. = S.W. Cor. House			
3+75	5.6 Lt. = Wly. Conc. Slab along House			
T.P.	11.23	191.85	0.19	180.62
3+40				
T.P.	13.25	180.81	0.24	167.56
3+00				
2+60	1.1 Rt. = ℄ Sewer M.H.	12.05		on Rim
2+50				
2+47	7.6 Rt. = Nly. P. pole # J.P.A. 2946			
2+10				

Lt. ℄ Rt.

189.92 / 1.93 / 8.4 floor House	189.68 / 2.17 / 8.4 Top Conc.	184.94 / 6.91 / 20.4 end Conc.	185.19 / 6.66 / 8.4 Conc	184.63 / 7.22 / 10	186.72 / 5.13 / 8.4 along House	184.49 / 7.36 / 5.6 Top slab	186.84 / 5.01 / 6 Top slab	182.6 / 9.3 / 5.6	187.0 / 4.9 / 8.4 ground	181.9 / 10.0	181.9 / 10.0 / 10	178.6 / 13.3 / 30

191.85

175.5 / 5.3 / 30	173.9 / 6.9 / 10	173.5 / 7.3	173.2 / 7.6 / 10	169.5 / 11.3 / 30

180.81

165.7 / 2.1 / 30	164.1 / 3.7 / 10	163.3 / 4.5 / 7	163.2 / 4.6	162.4 / 5.4 / 10	160.2 / 7.6 / 30

158.0 / 9.8 / 30	154.6 / 13.2 / 10	154.5 / 13.3	153.4 / 14.4 / 10	152.1 / 15.7 / 30

149.7 / 18.1 / 30	149.5 / 18.3 / 20	149.9 / 17.9 / 10	149.4 / 18.4	148.6 / 19.2 / 10	148.2 / 19.6 / 30	146.7 / 21.1 / 50 ℄ wash

167.80

T.P. 8.52 198.70 1.67 190.18

5+00 - 8' Lt. = ℄ 3" Tree

Note: Filling in Dirt from Here to 30+00

4+89 - 8' Lt. = Bottom - ℄ of 5' wood steps

4+79 - 19.5 Lt. = Door to dirt floor basement to House

4+76.7 - 7.2 Lt. = end Wood wall

4+70

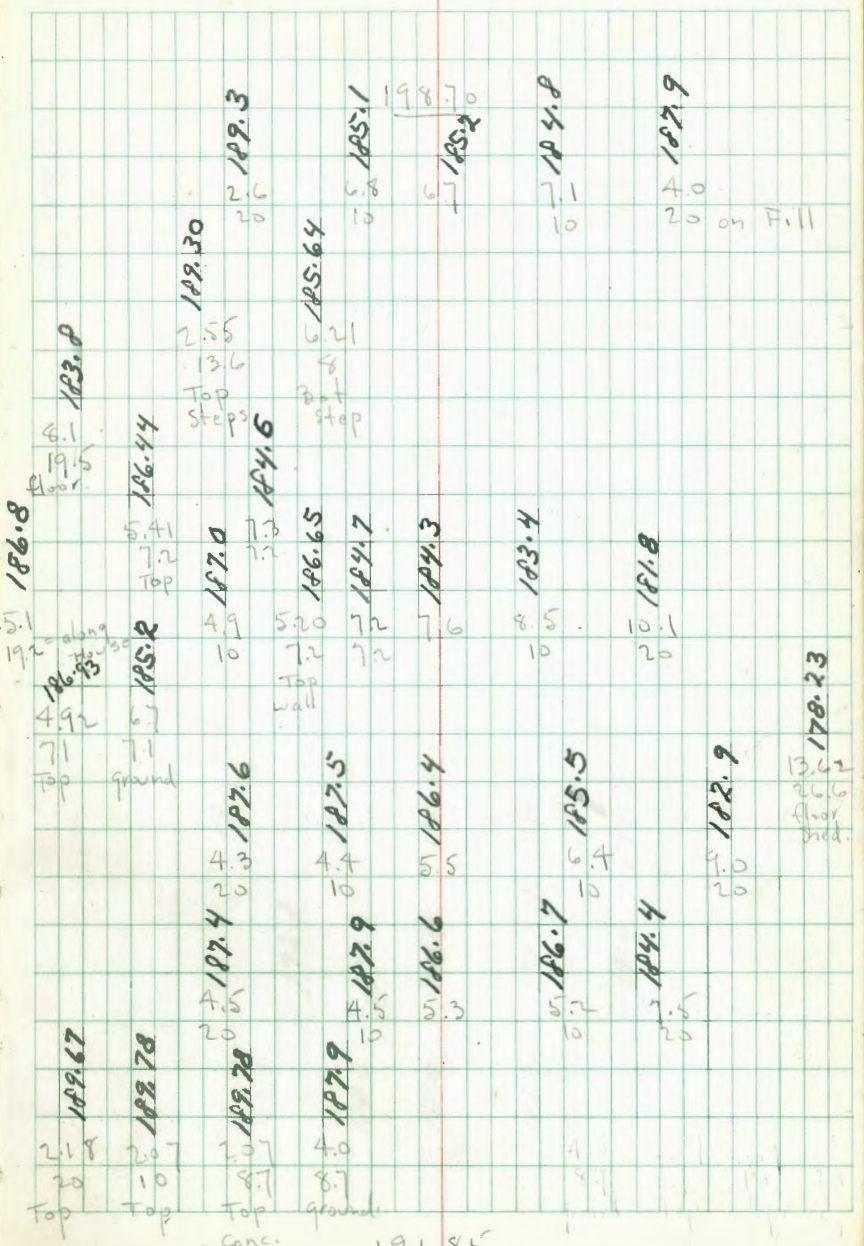
4+63 - 7.1 Lt. = Sly. 8"x8' Post for 2"x12' board Ret wall

4+58 - 26.6 Rt. = ℄ work Shed.

4+35

4+05

4+02.7 - 8.7 Lt. = Cor. Conc. Slab.



10' E. Cont.

10' E. = W. cb. 30th

on Both sides - Broken Down.

7.3' E. = E edge of Walks - end of old Returns

Cold Lay walk - between

Walk on Lt. broken out - Poor Cond. on Rt.

2' E. = Line of Back of Side walks

6+00.97 = W.L. 30th - No Returns at Prop.

6+00 - 8.8 Rt. = Nly. 6"x6" Light Post.

5+75

5+50 - Used Car Lot on Rt.

5+25

Lt ℄ Rt

14

192.87 / 5.83 / 50 / Top — 192.28 / 6.42 / 50 / gut.

193.21 / 5.49 / 50 / gut. — 193.69 / 5.01 / 50 / Top

192.98 / 5.72 / 25 / gut. — 193.51 / 5.19 / 25 / Top — 193.20 / 5.50 / 10 / Top old Ret. — 192.75 / 5.95 / 10 / gut. — 193.41 / 5.29 / 10 / Top — 193.21 / 5.49 / Top — 192.62 / 6.08 / gut — 193.19 / 5.51 / 10 / Top — 192.58 / 6.12 / 10 / gut. — 192.98 / 5.72 / 10 / Top old Ret. — 193.15 / 5.55 / 20 / Top — 192.53 / 6.17 / 20 / gut.

193.58 / 5.12 / 25 / walk — 193.55 / 5.15 / 17.6 / Cor. walk — 193.3 / 5.4 / 10 / C.L. — 193.07 / 5.63 / 10 / end of old Ret. — 193.2 / 5.5 — 193.17 / 5.53 / 10 / Cor walk — 193.06 / 5.64 / 10 / on old Ret. — 193.15 / 5.55 / 20 / walk

193.52 / 5.18 / 25 / walk — 193.38 / 5.32 / 17.6 / Cor. walk — 193.3 / 5.4 / 10 / on C.L. — 193.2 / 5.5 — 193.33 / 5.37 / 10 / Cor. walk — 193.34 / 5.36 / 20 / walk

193.5 / 5.2 / 20 — 193.3 / 5.4 / 10 — 193.2 / 5.5 — 193.3 / 5.4 / 10 — 193.3 / 5.4 / 20

192.8 / 5.9 / 20 — 192.7 / 6.0 / 10 — 192.3 / 6.4 — 192.4 / 6.3 / 10 — 192.1 / 6.6 / 20

192.8 / 5.9 / 20 — 191.8 / 6.9 / 10 — 191.5 / 7.2 — 191.3 / 7.4 / 10 — 191.4 / 7.3 / 20

193.1 / 5.6 / 25 — 188.6 / 10.1 / 10 — 188.0 / 10.7 — 187.4 / 11.3 / 10 — 189.3 / 9.4 / 20

198.70

Check Starting B.M.	3.60	195.10	195.08
15' E. to Show Pave			

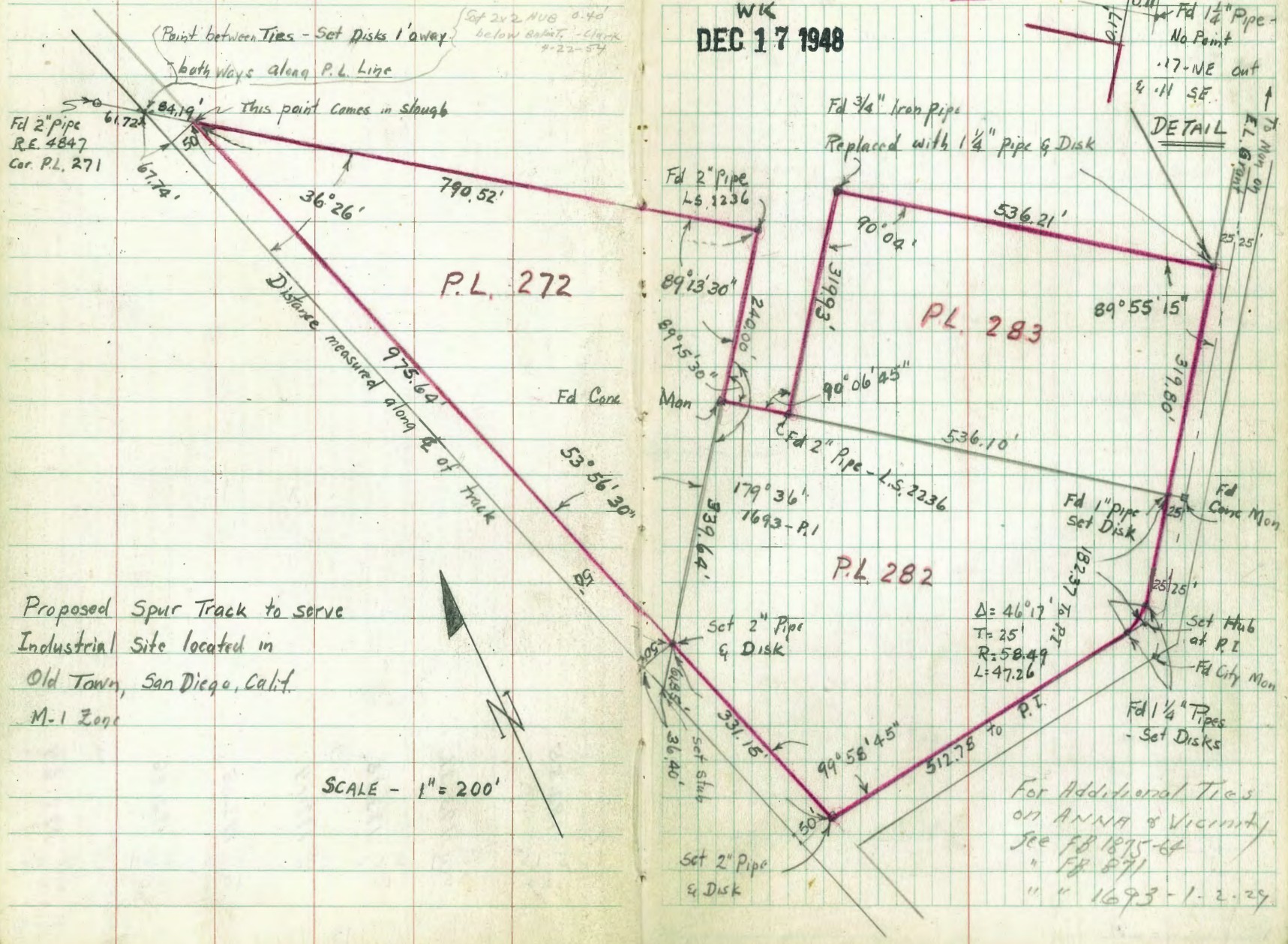
Lt	℄	Rt
5.15		193.55
50		
5.39		193.31
25		
5.52		193.18
10		
5.56		193.14
5.65		193.05
10		
5.84		192.46
20		
6.06		192.64
50		

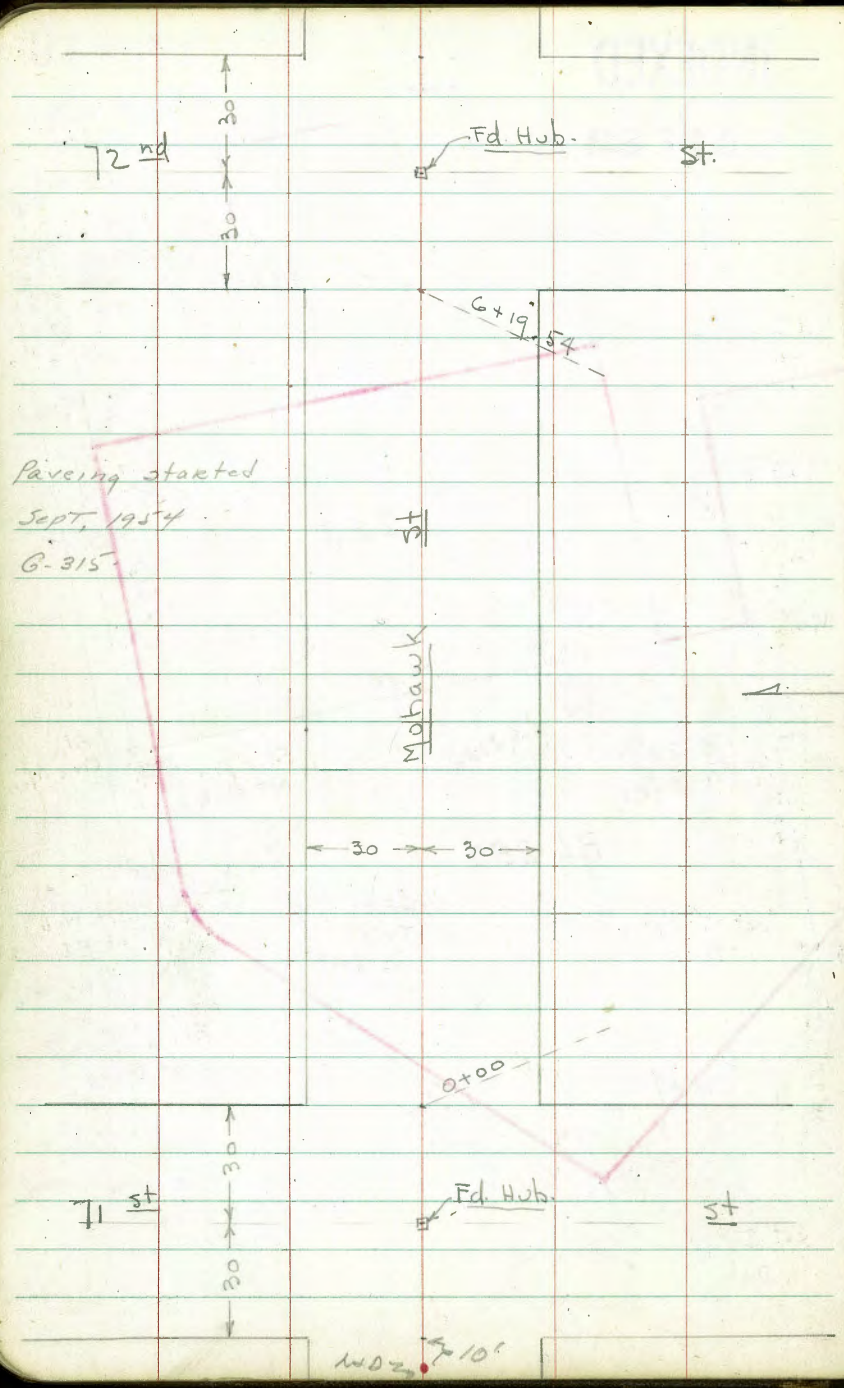
198.70

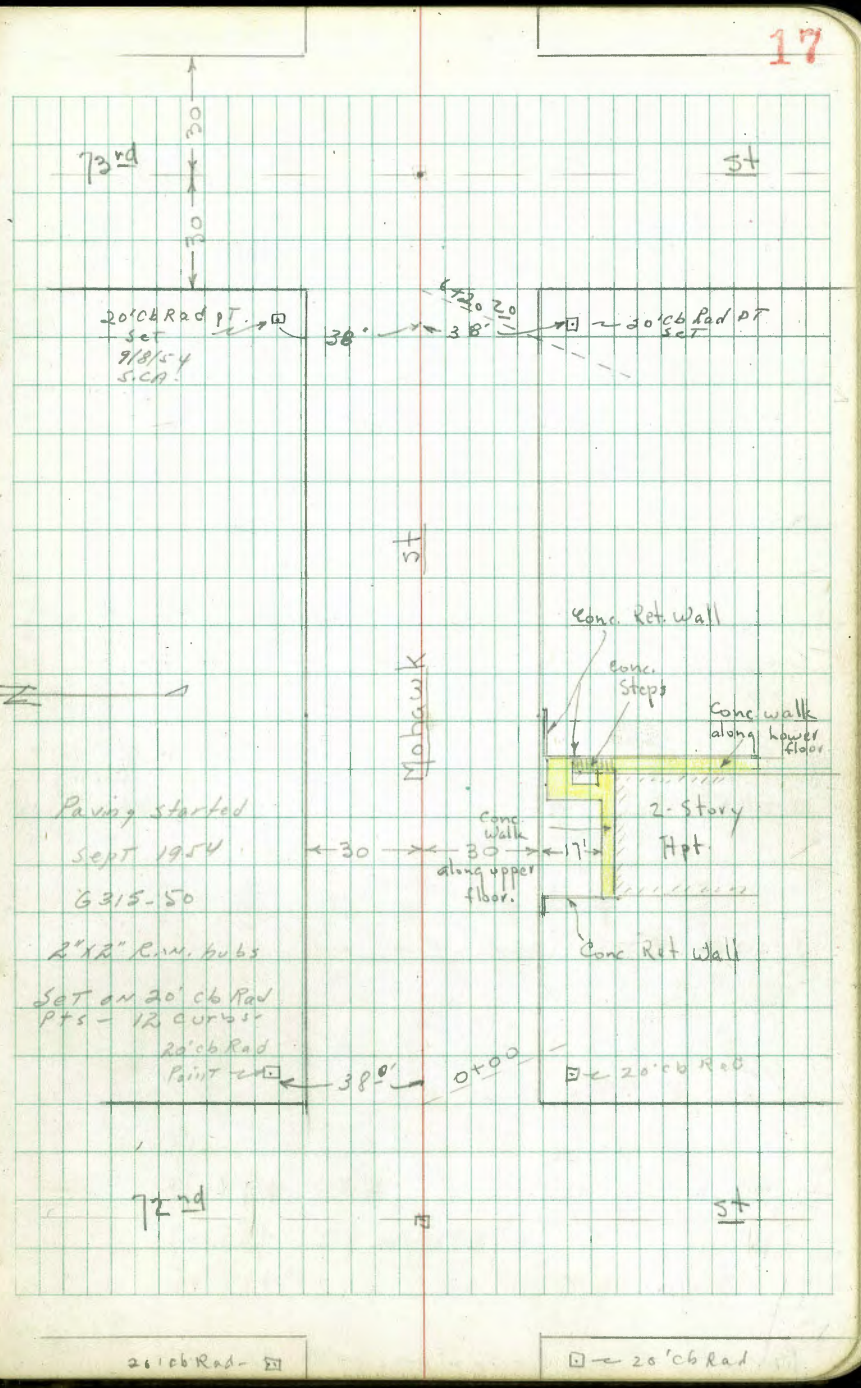
W.O. 90082

INDEXED
WK
DEC 17 1948

Plotted 12-20-48
3649-B C.S.K.




72nd
Fd. Hub.
St.
30
30
6+19
54
Paveing started
Sept, 1954
G-315
Mohawk
30
30
0+00
71st
Fd. Hub.
St.
30
30
10'


73rd
St
30
30
20'cb Rad pt
Set
9/8/54
S.C.M.
38'
38'
20'cb Rad pt
Set
Mohawk
Conc. Ret. Wall
Conc. Steps
Conc. walk
along lower floor
2-Story
Apt.
Conc
walk
along upper
floor.
17'
Conc Ret. Wall
Paving started
Sept 1954
G315-50
2"x2" R.W. hubs
Set on 20' cb Rad
pts - 12 curves
20'cb Rad
Point
38'
0+00
20'cb Rad
30
30
72nd
St
20'cb Rad
20'cb Rad

NOTE: For Add. Notes - see 2170-10 (4-17-53)

χ-Sect. Mohawk - from 71st to 73rd

60' St. - 10' cbs. - Dirt - Graded

3182 — 1-13-49

W.O. 31270 — Osborne, Hardin, Hatch, Decker

1+97 - 42.3 Lt. = ℄ Conc. Porch to House

1+71 - 27' Lt. = ℄ 10' Coldlay Drive — Gar. way back

0+65 - 30.3 Lt. = end of wall

0+50

0+00 = E.L. 71st - 30.4 Lt. = Beg. 6' Conc. Block wall

0-10 = E. cb. Line

0-30 = ℄ 71st

Set B.M. on T.P. 71st + Mohawk S.W. Pole			5.80	492.78
S.W. B.P. 71st +	12.91	498.58	0.42	485.67
B.M. El Cajon	13.04	486.09		473.05

NW BP Mohawk + 71st St. - 490.37

INDEXED
WK
JAN 20 1949

Lt. ℄ Rt

500.90 +2.32 46.1 House floor

500.80 +2.22 42.3 = Top Porch 497.58 10.6 50 = Brk

497.0 1.6 42.3 = ground at Porch

497.83 0.7 30.3 Top wall

494.9 3.7 30.3 = ground.

497.8 0.8 40 — 0.80 30.3 — 497.78 3.7 30 — 494.7 4.6 20 — 494.0 6.3 10 — 492.3 6.6 — 492.0 6.7 10 — 491.9 7.9 20 — 490.7 9.0 30 — 489.6 9.7 40 — 488.9

Top wall

498.4 0.2 75 — 498.6 2.0 40 — 0.8 30.4 — 497.75 3.3 30 — 495.9 3.5 20 — 495.1 4.7 10 — 493.9 5.0 — 493.6 5.7 10 — 492.9 6.7 20 — 491.9 7.3 30 — 491.3 8.2 40 — 490.7 9.4 — 49.4 12.0 100 — 486.6

Top wall

495.8 2.8 40 — 495.4 3.2 30 — 495.0 3.6 20 — 493.9 4.7 — 492.5 6.1 20 — 492.0 6.6 30 — 491.2 7.4 40

498.1 0.5 75 — 496.0 2.6 50 — 495.1 3.5 30 — 494.6 4.0 20 — 493.7 4.9 — 492.6 6.0 20 — 491.8 6.8 30 — 488.0 10.6 100

498.58

3+82 - 49.7' Rt. = ℄ Conc. Porch to House

3+60 - 30.1' Lt. = Beg. Rail fence

3+50 - 64' Lt. = Sing. Gar. Conc apron

3+00

2+58 - 31' Lt. = ℄ 24" Euc.

2+51 - 31.2 Lt. = ℄ 6" Euc.

2+50

2+46 - 31.6' Lt. = ℄ 20" Euc. tree

2+06 - 30.8 Lt. = ℄ 3' Conc. Steps to slab - Below

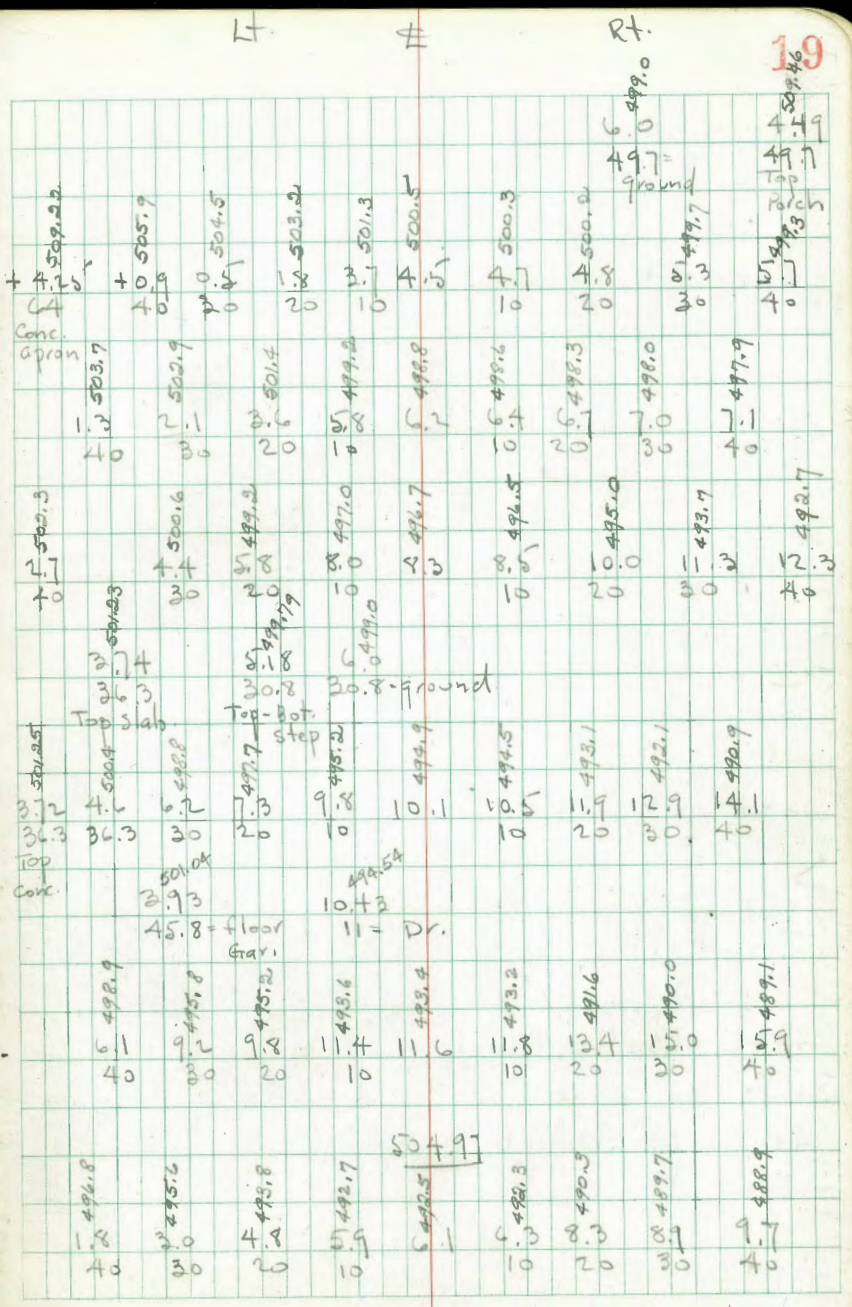
2+00 - 36.3 Lt. = ℄ 12' Conc. Slab along House

1+68 - 11' Lt. = ℄ 8.7' Conc. Dr. to Sing Gar. Conc. floor.

1+50

T.P. 11.14 504.97 4.75 493.83

1+00



49858

6+19.54 = WL. 72nd

5+85 = ℄ House on Rt.

5+50

5+41 - 30' Rt. = ℄ 15' Conc. Dr. to Doub. Gar. (Conc. floor)

5+00

4+84 - 64' Lt = ℄ 4' Conc. steps to House

4+50

4+44 - 49.3 Rt. = ℄ Porch to House

4+18 - 43' Lt. = ℄ 7' Dr. - 2 - 2' Conc. strips - to Gar. (way back)

4+09 - 30' Lt. = end fence

4+00 - 63.8' Lt. = Conc. apron to Sing. Gar.

T.P. 7.72 508.96 3.73 501.24

Lt. 502.2 501.7 501.2 500.0 499.8 499.3 498.8 498.5 498.1 Rt.

6.8 7.1 7.8 9.0 9.2 9.7 10.2 10.5 10.9

40 30 20 10 10 20 30 40

501.0 500.6 499.9 499.3 499.1 498.6 498.0 497.5 497.4 497.6

8.0 8.4 9.1 9.7 9.9 10.4 11.0 11.5 11.6 11.4

40 30 20 10 10 20 30 40 44.8 along house

500.9 500.5 499.9 499.2 499.1 498.7 497.9 497.7 497.4

8.1 8.5 9.1 9.8 9.9 10.3 11.1 11.3 11.6

40 30 20 10 10 20 30 40

497.79 496.71

11.17 12.25

30 56.2 = floor Gar.

500.0 500.8 500.4 499.1 498.9 498.8 497.9 497.5 497.1

7.0 8.2 8.6 9.9 10.1 10.2 11.1 11.5 11.9

40 30 20 10 10 20 30 40

505.73

3.23

64 = Top of bottom step.

502.7 501.6 501.1 499.7 499.5 499.4 498.5 497.8 497.2

6.3 7.4 7.9 9.3 9.5 9.6 10.5 11.2 11.8

40 30 20 10 10 20 30 40

498.35

10.61

49.3 = Porch

505.79 503.36

3.17 5.60

63 = Dr. 43 = Dr.

507.52 506.0 504.2 503.1 501.4 500.8

14.4 4.0 4.8 5.9 7.6 8.2

63.8 40 30 20 10

apron Dr. in gravel Dr.

508.96

504.97

0+50 = ℄ House on Rt. 51.8 out.

0+34 - 30' Lt = ℄ 3' Conc. walk

0+25

0+21 - 30.2 Lt = ℄ 8' Conc. Dr. - to Sing. Gar (Conc. floor.)

60' E. = E.L. 72nd = 0+00 ahead

50' E = E. cb

30' E = ℄

10' E = W. cb 72nd - See 72nd Sections

Set B.M. = 11.58 510.49 10.05 498.91
Nail in Pole
S.W. 72nd + Mohawk

Lt. ℄ Rt.

507.0	506.7	505.6	504.0	503.6	503.5	503.1	502.9	500.6	500.6	502.27
3.5	4.3	4.9	6.5	6.9	7.0	7.4	8.2	9.9	9.9	8.27
40	30	20	10		10	20	30	40	51.8	51.8

ground floor House

506.83		506.00								
3.66		4.49								
40		30 = walk								

walk at Porch

506.6	505.9	505.2	503.2	502.9	503.1	502.6	501.9	501.0		
3.9	4.6	5.3	7.3	7.6	7.4	7.9	8.6	9.5		
40	30	20	10		10	20	30	40		

506.83		505.82								
3.66		4.67								
45.3		30.2 = Dr.								

floor Gar.

505.1	504.5	502.3	501.7	501.7	501.8	501.1				
5.4	6.0	8.2	8.8	8.8	8.7	9.4				
30	20	10		10	20	30				

503.8	502.5	501.5	501.3	501.1	501.1	500.8				
6.7	8.0	9.0	9.2	9.4	9.4	9.7				
30	20	10		10	20	30				

502.4	501.7	500.6	499.7	499.2						
8.1	8.8	9.9	10.6	11.2						
30	20		20	30						

502.0	501.3	500.4	499.9	499.0	498.5					
8.5	9.2	10.1	10.6	11.5	12.0					
30	20	10		20	30					

510.49

1+75

1+74- 12' Lt. = Sly. of 8" Conc. Ret. wall along Dr.

1+69- 12' Lt. = ℄ 10' Conc. Dr. to Gar- way back
1+60 - 31' Rt. = end Conc. wall

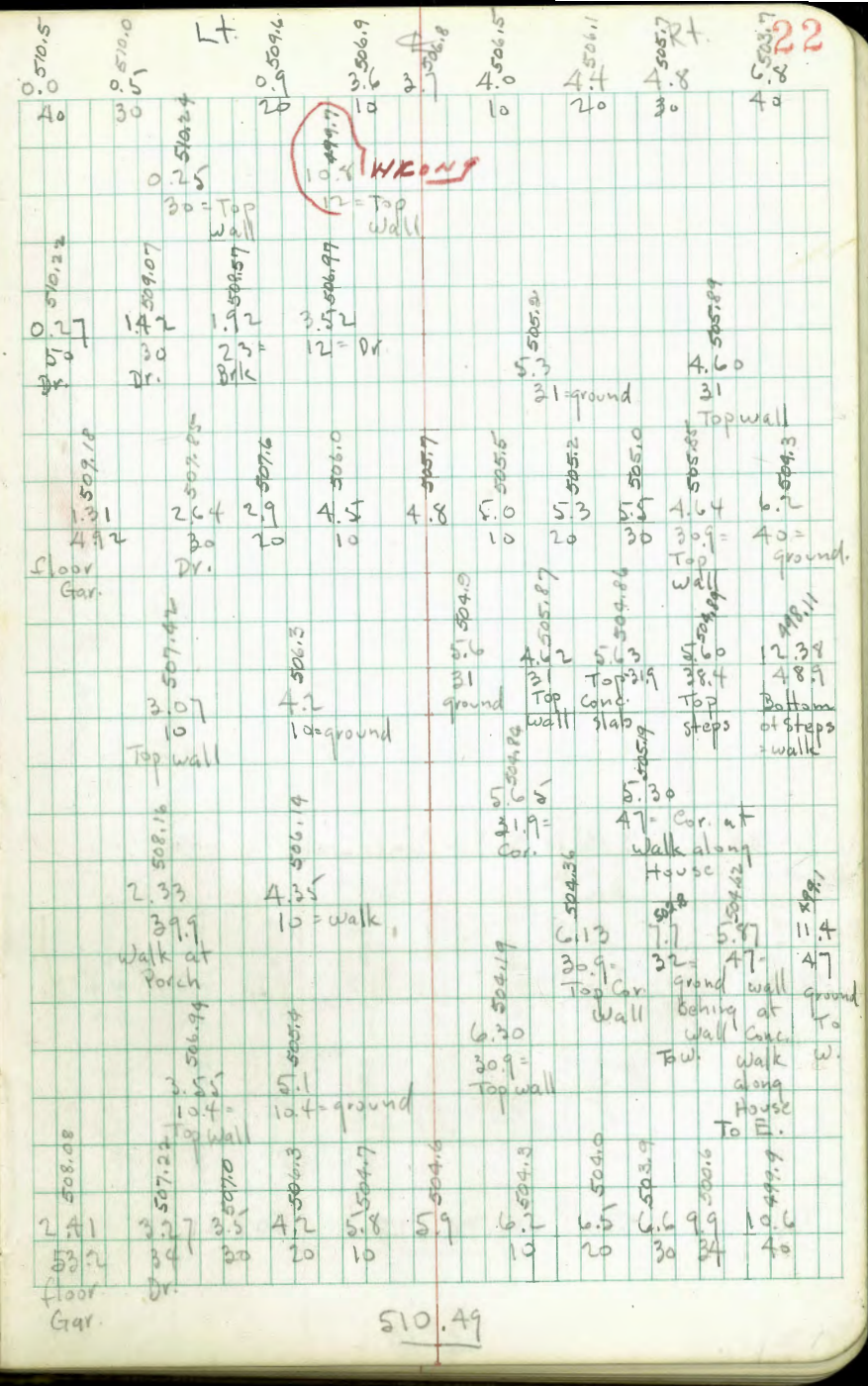
1+50 - 30' Lt. = 7' Conc. Dr to Sing. Gar- Conc. floor

1+48- 31' Rt. = Cor. 8" Conc. Ret. wall - + 31.9 = end Conc. slab.
1+44- 10' Lt. = end Conc. wall
See sketch
1+39- 31.9 Rt = N.W. Cor. Conc Slab. to Apt. House

1+29- 10' Lt. = ℄ 3' Conc. Walk thru Wall
1+14- 30.9' Rt = end E+W. Wall at Cor. Wall goes South

1+10 - 30.9 Rt. - Beg. 8" Conc. Ret. wall - E + W.
1+08- 40.4 Lt = Beg. 8" Conc. Brick Wall

1+00 - 34' Lt. = 8' Conc. Dr. - to Sing. Gar. Conc floor



3+60	30.4 Rt. = Beg 4" Conc. wall = base for Picket fence			
3+50				
3+42	71.5 Lt. = Doub. Gar. under House - Conc. floor			
3+00				
2+50				
2+31	31.3 Rt. = ℄ 3.2 Conc. walk			
2+25				
2+00				
T.P.	9.52	517.73	1.28	508.21

Lt. ℄ Rt.

11.41 506.32
30.4 = Top wall

3.4 514.3 40
6.1 512.7 30
6.0 511.7 20
7.6 510.1 10
8.0 509.7
8.2 509.5 10
10.2 507.5 20
10.9 506.8 30
11.0 506.0 40

1.5 516.55 7
71.5 = floor Gar
2.3 515.4 47
0 = ground

3.1 514.0 40
4.9 512.2 30
5.9 511.2 20
7.5 509.6 10
8.0 509.1
8.1 509.0 10
9.6 508.1 20
10.2 507.5 30
11.2 506.5 40

4.2 513.5 40
5.2 512.5 30
6.0 512.0 20
7.5 510.5 10
8.3 509.4
8.5 509.2 10
9.6 508.1 20
10.2 507.5 30
11.3 506.3 40

11.28 506.45
31.3 = walk
12.49 505.24
48.4 walk at Porch

4.4 513.3 40
5.5 512.2 30
5.9 511.8 20
8.1 509.6
8.7 509.0
9.0 508.7 10
10.5 507.2 20
11.4 506.3 30
12.2 505.5 40

6.0 511.7 40
6.5 511.2 30
7.0 510.7 20
9.4 508.3
9.6 508.1
10.0 507.7 10
10.8 506.9 20
10.6 507.1 30
11.2 506.5 40

517.73

510.49

4+82 - 28' Rt. = ℄ 20" Pine
4+78 - 45.7 Rt. = Porch to House
4+69 - 27.5' Rt. = ℄ 16" Pine Tree
4+59 - 30' Rt. = ℄ 16" Pine Tree
4+50

4+45 - 50' Rt. = ℄ Sing. Gar. - Dirt floor

4+40 - 30.4' Rt. = end Conc. wall & fence
4+40 - 98' Lt. = Gar. under House - Conc. floor

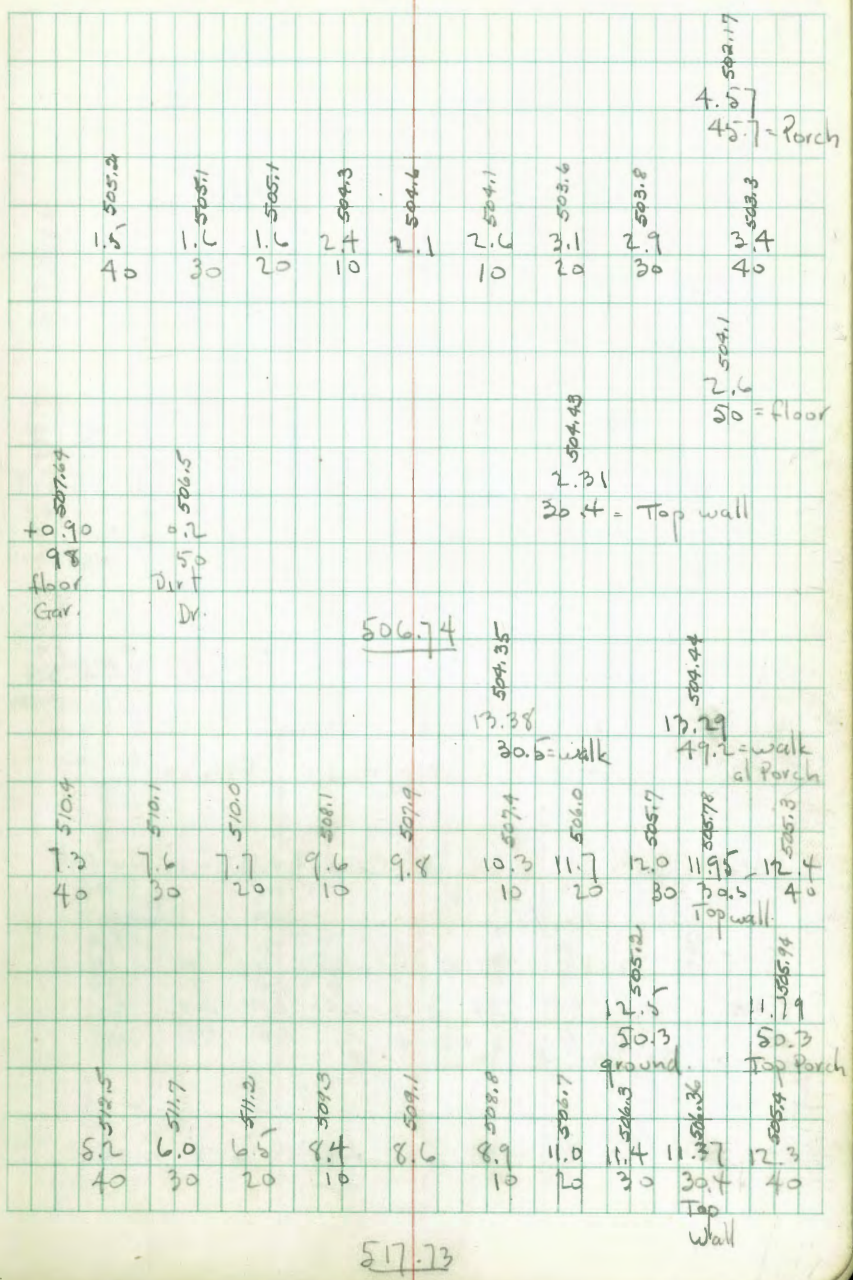
T.P. 1.89 506.74 12.88 504.85

4+28 - 30.5 Rt. = ℄ Brick Walk

4+00

3+92 - 50.3' Rt. = Conc. Porch to House

3+75



Check BM - S.W. El Cajon + 73rd 9.26 480.30 480.35
T.P. 1.72 489.56 6.96 487.84

6+50.2 = ℄ 73rd = end

6+45.2

Set BM = Top. S.W. Hyd. 2.75 492.05

6+30.2 = W. cb.

6+29.20 = 20' Rt. = ℄ 20" Tree

6+20.20 = W.L. 73rd - 30.3' Lt. = end wall 489.12 5.68 150 Top N+S. wall

5+80 = 44.4' Rt. to Nearest Part of House 491.0 3.8 40

5+75 - 20.5 Rt. = ℄ 8" Acacia

T.P. 0.60 494.80 12.54 494.20

5+61 - 30.3 Lt. = Beg. 8" Conc Brick wall

5+55 - 20' Rt. = ℄ 10" Acacia

5+40

5+10 - 21' Rt. = ℄ 10" Tree

5+00 = 88.5 Rt. = ℄ Sing Gar - Dirt floor

Lt. ℄ Rt.

478.6 16.2 100 | 481.8 13.0 50 | 483.4 11.4 30 | 484.2 10.6 20 | 485.6 9.2 | 486.7 8.6 20 | 486.3 8.5 30 | 486.9 7.9 50 | 488.2 6.6 100

483.7 11.1 50 | 485.3 9.5 30 | 486.0 8.8 20 | 485.2 9.6 13 | 486.1 8.7 | 486.5 8.3 10 | 486.6 8.2 20 | 488.4 6.4 30 | 488.4 6.4 50

480.8 14.0 100 | 484.6 10.2 50 | 486.6 8.2 30 | 487.3 7.5 20 | 487.4 7.4 13 | 486.7 8.1 10 | 487.1 7.7 | 487.4 7.4 8 | 488.8 6.0 11 | 489.6 5.2 20 | 489.2 5.6 30 | 489.4 5.4 50 | 489.4 5.4 100

485.9 8.9 50 | 491.48 3.32 30.3 Top wall | 488.4 6.4 30 | 488.7 6.1 20 | 488.7 6.1 14 | 487.8 7.0 10 | 487.9 6.9 | 488.2 6.6 8 | 490.1 4.7 11 | 490.4 4.4 20 | 490.8 4.0 30 | 490.6 4.2 50 | 490.2 4.6 100

495.02 +0.22 30.4 Top wall | 492.0 2.8 30 | 492.4 2.4 20 | 492.7 2.1 13 | 492.7 2.7 0 | 492.2 2.6 | 492.0 2.8 7 | 492.9 1.9 10 | 493.3 1.5 20 | 493.7 1.1 30 | 493.9 0.9 44.4 ground at House | 494.86 +0.06 44.4 Nearest of House - floor

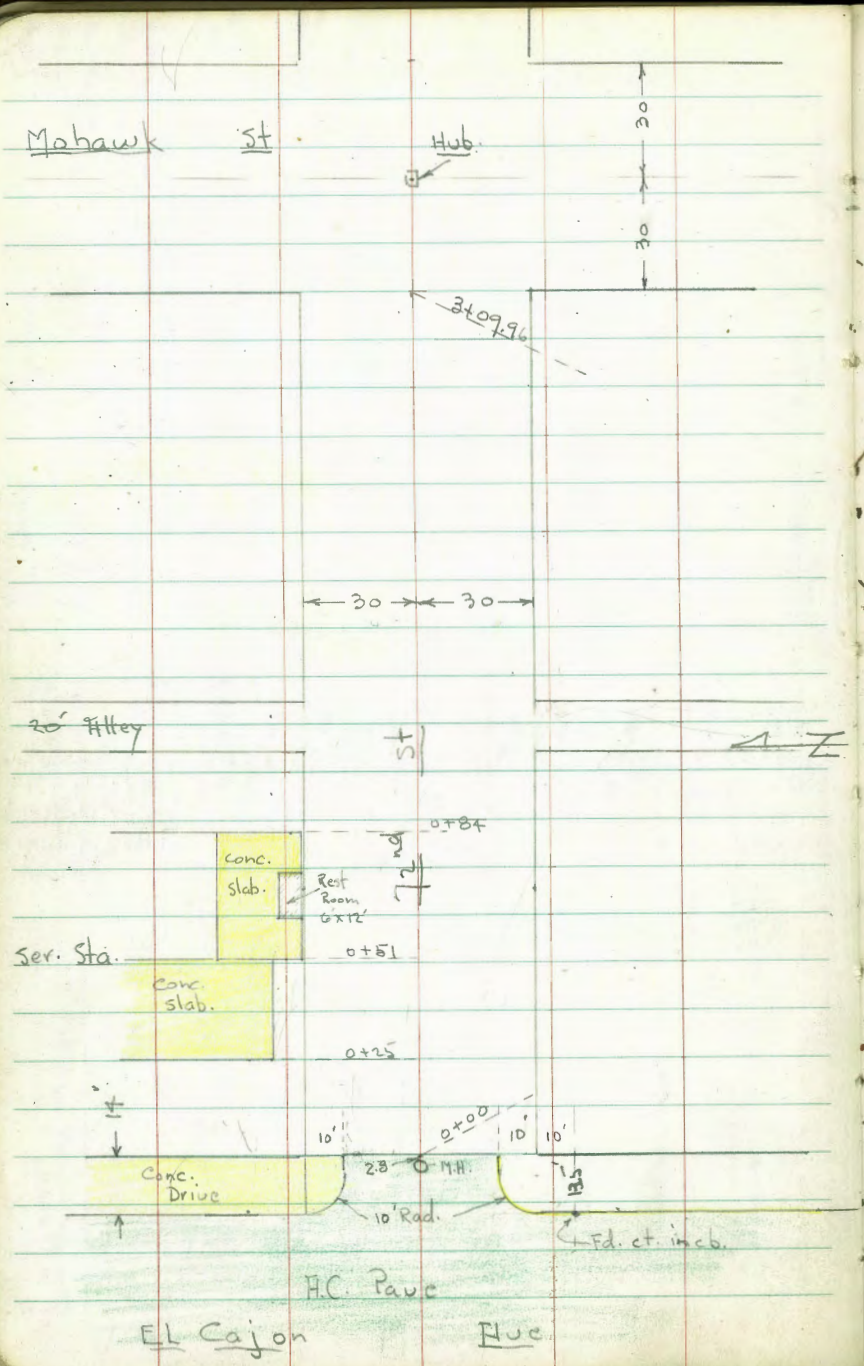
494.80

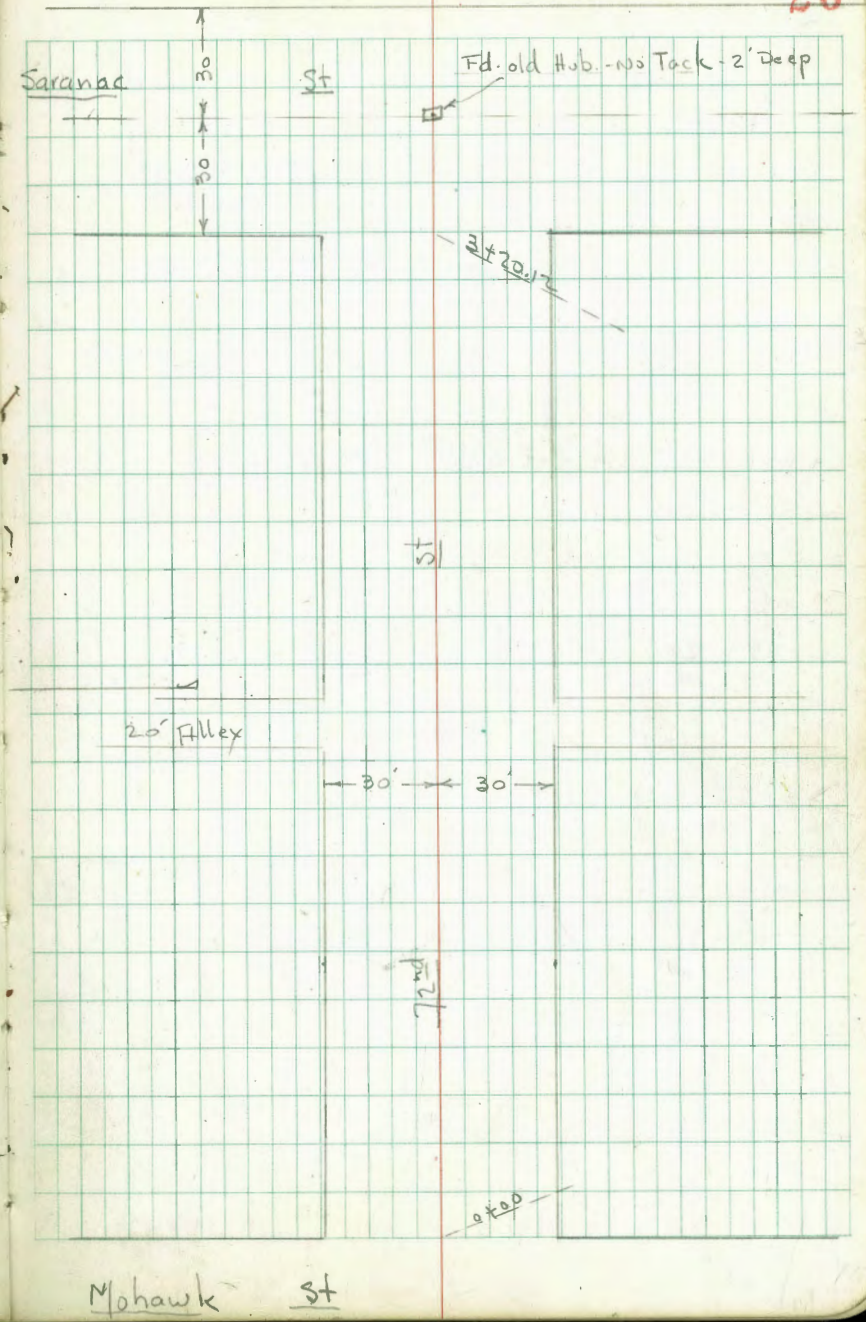
496.08 10.66 30.3 Top-wall | 496.6 10.1 30.3 ground

495.7 11.0 40 | 496.1 10.6 30 | 496.2 10.5 20 | 496.1 10.6 10 | 496.2 10.5 | 496.0 10.7 8 | 497.7 9.0 11 | 498.1 8.6 20 | 498.1 8.6 30 | 498.0 8.7 40

500.2 6.5 40 | 500.5 6.2 30 | 500.7 6.0 20 | 500.1 6.6 10 | 500.4 6.3 | 500.4 6.3 10 | 501.0 5.7 20 | 500.8 5.9 30 | 500.0 6.7 50 Dirt Dr. | 488.2 8.5 88.5 floor

506.74


Mohawk St
Hub.
30
30
3+09.96
30
30
20' Alley
0+84
Conc. slab.
Rest Room 6x12'
Ser. Sta.
0+51
Conc. slab.
0+25
10'
0+00
10'
10'
2.8
M.H.
Conc. Drive
10' Rad.
Fd. ct. in c.b.
A.C. Pave
El Cajon Ave.


Saranac St
30
30
Fd. old Hub. - No Tack - 2' Deep
3+20.12
20' Alley
30'
30'
0+00
Mohawk St

X-Sect. 72nd from El Cajon to Saranac

60' st - 10' cbs. - Dirt Rough Graded

3182 1-18-49

W.O. 31270 7.0

0+56 - 22' Rt. = ℄ 40" Euc. Tree

House gone - Conc. work remains

0+52 - 34.3 Rt. = Beg 2' Conc. walk - Was around House

Small Real Estate OFFICE on conc piers Now - 7-13-53

0+51 - 30.6 Lt. = E. side Conc Slab - Grease Rack

See sketch

0+40 - 23' Lt. = ℄ P. pole # 170913

0+25 - 38.5 Lt. = Cor Conc. Slab in Ser. Sta.

0+05

0+01 - 22' Rt. = ℄ Tel. pole # D 34027, T (OUT 7-13-53)

0+00 = N.L. El Cajon = edge of A.C. Pave

0-02.8 = ℄ Sewer M.H.

0-14 = N. cb. El Cajon = Cross gutter

B.M. 10.58' 491.01 480.46

B.W. - El Cajon + 72nd

INDEXED
WK
JAN 20 1949

Lt.							℄						Rt.
491.01	481.56	481.59	481.9	482.8	482.8	483.4	483.2	483.3	483.6	483.9			484.54
9.40	9.45	9.42	9.1	7.2	8.2	7.6	7.8	6.7	7.4	7.1			6.47
52.4 = W. side slab	37.8 edge 10	30.6 Cor. slab	28	24	15		14	20	30	40			34.3 walk
481.56	481.51	481.7	481.8	481.6	481.8	481.6	482.2	482.4	482.7				
9.45	9.50	9.3	9.2	9.4	9.2	9.4	8.8	8.6	8.3				
50 slab	33 28.5 cor	30	20	10		14	20	30	40				
	481.0	480.9	480.6	480.6	480.5	480.3	480.1	481.2	481.4				
	10.0	10.1	10.4	10.4	10.5	10.7	10.9	9.2	9.6				
	40	30 C.L. in Sta.	20	10		10	18	20	30	40			
481.01	480.87	480.86	480.82	480.35	480.34	479.79	479.46	480.13	480.16				
10.00	10.12	10.15	10.19	10.66	10.77	11.22	11.55	10.88	10.4				
50 edge of Conc Dr.	30	20 Top = end cb.	20 gut	10		10	20 gut.	20 Top = end of cb	30				
481.15	480.50	480.57	479.94	479.90	479.85	479.76	479.57	479.35	479.20	479.80	478.44	479.06	
9.86	10.50	10.44	11.05	11.11	11.16	11.25	11.42	11.66	11.81	11.21	12.57	11.95	
90 Top cb.	90 gut	30 Top = PC 10' Rad. Ret	30 gut	20	10		10	20	30 gut	30 Top = PC 10 Rad. Ret	100 gut	100 Top	

491.01

1+88 - 28.8 Rt. = ℄ 3' Conc. walk

1+82

+30' Rt. = wly. of 6" Conc Wall along Alley

1+60 = N.L. Alley - 22' Rt. = ℄ Tel. pole # D 325 37 T

Pole out 7-13-53

T.P. 12.39 503.04 0.36 490.65

1+50 - 0.5 Rt = ℄ Sewer M.H. 0.71 on Rim

1+40 = S.L. Alley

1+39 - 22' Lt. = ℄ P. pole # P 78374

1+32 - 29.7 Lt. = ℄ 10" Palm

1+30 - 21.4 = ℄ Fire Hyd.

1+09 - 21.8' Rt. = ℄ 8" Pepper

1+00 - 29.6' Lt. = ℄ 10" Palm

0+93 - 34.4 - Rt. = end Conc. walk

0+84 - 30.7 Lt. = N.E. Cor. Slab - 6" Conc. cb. N. of Rest Rooms

0+62 - 30.7 Lt. = Cor. Rest Room

12 x 62

Lt. ℄ Rt.

			10.02		9.90												
			41.2 = walk at Porch		28.8 = walk												
			493.02		493.14												
490.2	491.0	491.0	490.8	491.0	491.4	491.8	491.64	492.53	492.27	497.3							
12.8	12.0	12.0	12.2	12.0	11.6	11.2	11.40	10.51	10.77	1.7							
50	30	20	17		10	20	30 = Toe of Wall + ground	30 Top wall	50	50 ground							
				503.04													
490.4	490.3	490.1	489.2	489.4	489.8	490.4	490.5	490.0									
0.6	0.7	0.9	1.8	1.6	1.2	0.6	0.5	1.0									
50	30	20	17		10	20	30	50									
488.1	487.7	486.9	485.8	486.5	486.1	486.7	486.8	487.06									
2.9	3.3	4.1	5.2	4.5	4.9	4.3	4.2	3.95									
40	30	20	17		10	20	30	41.3 on old Gar. Slab.									
									486.48								
									4.53								
									34.4 walk								
480.25	482.40	483.01	485.7	485.7	484.6	485.4	485.1	485.4	485.8	485.29							
8.56	8.51	8.00	5.3	5.3	6.4	5.6	5.9	5.6	5.2	5.12							
40 on slab.	on slab.	30.7 Top cb.	28	20	16		12	20	30	34.4 = walk							
			482.16														
			8.85														
			30.7 on Conc Slab														

491.01

0+30

T.P.	12.82	515.24	0.62	502.42
0-05 - 0.5 Lt. = ℄ M.H. Sewer		13.22		on Rim
0+00 = N.L. Mohawk				= P. 21
check B.M. in Pole		4.11	498.93	498.91

See P. 21 for Int.

3+09.96 = S.L. of Mohawk

2+80 - 30' Rt. = ℄ 2.5' Conc. walk

2+60 - 30.1 Lt. = ℄ Conc. Walk

2+50

2+40 - 76' Rt. = Doub. Gar. - Conc. floor

2+00 - 51' Rt. = ℄ Sing. Gar. - Conc. floor

503.0	503.7	504.2	504.9	505.1	505.2	505.3	506.4	506.9	507.1
12.2	11.5	11.0	10.3	10.1	10.0	9.9	8.8	8.3	8.1
40	30	20	10		10	18	20	30	40
501.8	502.0	501.8	502.4	502.6	503.7	505.1			
13.4	13.2	13.4	12.8	12.6	11.5	10.1			
30	20	12		10	20	30			

515.24

	498.5	498.5	499.0	499.3	500.1	500.8	501.1		
	4.5	4.5	4.0	3.7	2.9	2.2	1.9		
	30	20	10		10	20	30		
496.9	497.3	497.3	497.6	497.9	498.5	499.1	499.60	499.67	
6.1	5.7	5.7	5.4	5.1	4.5	3.9	3.44	3.37	
40	30	20	10		10	20	30 walk	40 on walk	
496.06		496.50							
6.98		6.54							
42.1 = walk ℄ Line of House		30.1 = walk							
495.6	495.9	496.2	496.9	496.7	497.5	497.7	497.9	497.9	
7.4	7.1	6.8	6.1	6.3	5.5	5.3	5.1	5.1	
40	30	20	10		10	20	30	40	
495.0	495.4	495.8	496.3	496.3	496.2	496.3	496.4	496.76	
8.0	7.6	7.2	6.7	6.7	6.8	6.7	6.6	6.28	
40	30	20	10		10	20	30 Dirt Dr.	76 = floor Gar.	
493.2	493.3	493.7	494.1	494.1	494.4	494.4	494.5	494.64	
9.8	9.7	9.3	8.9	8.9	8.6	8.6	8.5	8.40	
40	30	20	10		10	20	30	51 = Gar. floor	

503.04

1+90 - 34.4' Lt. = Porch (wood) to House

1+70 = N.L. Alley

1+64.8 0.7' Rt. = ℄ Sewer M.H. 4.55 on Rim

1+60 = ℄ Alley

1+52 - 24' Lt. = ℄ P. pole # P 273 091

1+50 = S.L. Alley - 19.7 Lt. = Ely. of 6" Conc. Brick wall

1+25

T.P. 12.95 527.84 0.35 514.89

1+14 - 23.5 Lt. = Nly. of Dr. + Sly. of 2.5' Conc. Walk

1+03 - 23.4 Lt. = Sly. of 11' Conc. Dr. - No Gar.

1+00

0+65

Lt. ℄ Rt.

+0.18 528.02 525.4 34.4 = ground

34.4 Top Porch

4.2 523.6 40 | 4.1 523.7 30 | 3.8 524.0 20 | 4.0 523.8 10 | 3.9 523.9 | 4.5 523.3 10 | 4.4 523.4 20 | 4.7 523.1 30 | 4.6 523.2 40

5.9 521.9 0 | 5.6 522.2 30 | 5.3 522.5 20 | 5.0 522.8 10 | 4.9 522.9 | 5.4 522.4 10 | 5.3 522.5 20 | 5.4 522.4 30 | 5.1 522.7 40

520.18 7.66 40 | 519.22 9.6 30 | 520.19 7.65 30 | 519.53 9.5 19.7 | 520.21 7.63 19.7 | 521.22 6.6 10 | 521.9 5.9 | 521.3 6.5 10 | 521.5 6.3 20 | 521.6 6.2 30 | 522.0 5.8 40

Top ground To S. | Top ground wall To S. | Top wall

518.87 8.97 32 | 516.0 11.8 30 | 515.9 11.9 20 | 516.4 11.4 10 | 517.4 10.4 | 517.9 9.9 10 | 518.4 9.4 20 | 518.4 9.4 30 | 519.7 8.1 40 | 521.0 6.8

= Top Porch To House

527.84

513.96 1.28 37 walk at House

512.02 3.22 37 = Dr.

512.43 1.62 23.5 = Dr.

513.91 3.3 23.5 = Top walk

512.73 3.31 37 + Slab.

512.62 2.62 23.4 = Gar. Dr.

511.4 3.8 40 | 511.7 3.5 30 | 512.3 2.9 20 | 512.9 2.3 10 | 513.0 2.2 | 513.9 1.3 10 | 514.9 0.8 20 | 516.1 +0.9 30 | 516.6 +1.4 40

503.6 9.6 40 | 506.0 9.0 30 | 506.9 8.3 20 | 507.4 7.4 10 | 508.6 6.6 | 509.1 6.1 10 | 509.9 5.9 0 | 511.1 4.1 25 | 511.6 3.6 30 | 511.9 3.3 40

515.24

S.W. House

Set B.M. = Cross on Cor. of Porch = 533.46 — 7.0.

Hyd to be moved. 533.43 = adj. 3.50 Top Hyd.

T.P. = B.M. 0.89 534.34 2.58 533.45 S.W. Saranac

2+20.12 = S.L. Saranac

2+85

2+78 - 30.4 Rt. = ℄ 3.5' Conc. Walk

2+50 - 58.1 Lt. = Apron to Doub. Gar - Conc. floor

2+38 - 30.9' Lt. = Ely. of 6" Conc. Wall

2+30 - 57.3 Rt. = Doub. Gar. - Conc. floor

T.P. 8.46 / 536.03 0.27 527.57

2+00

Lt. ℄ Rt.

534.34

533.8	532.2	531.3	531.0	530.5	530.0	529.3	524.8		
2.2	3.8	4.7	5.0	5.5	6.0	5.7	9.2		
100	50	30	20		18	30	60		

531.9	531.5	531.3	530.8	530.2	529.6	529.5	529.4		
4.1	4.5	4.7	5.2	5.8	6.4	6.5	6.6		
51	40	30	20		20	30	40		
along House									

529.36	528.78								
6.73	7.25								
30.4 = walk	40 = walk								

530.67	530.1	530.1	529.7	529.5	529.1	528.6	528.3	528.1	
5.36	5.9	5.9	6.3	6.5	6.9	7.4	7.7	7.9	
58.1 = Apron	40 Dirt Dr.	30	20	10		20	30	40	

530.62	529.0								
4.1	7.0								
30.9 = Top wall	30.9 = grounded								

528.5	528.3	528.1	527.9	527.9	527.8	527.5	527.4	527.58	
7.5	7.7	7.9	8.1	8.1	8.2	8.5	8.6	8.45	
40	30	20	10		20	30	40 Dirt Dr	57.3 = floor Gar.	

536.03

526.4	526.3	526.1	526.1	526.1	525.6	525.5	525.3	525.6	
1.4	1.5	1.7	1.7	1.7	2.2	2.3	2.5	2.2	
40.3 along House	30	20	10		10	20	30	40	

527.84

					P.29
check B.M. on Pole - Mohawk			10.25	498.95	498.93
	1.03	509.20	13.11	508.17	
T.P.	0.17	521.28	13.23	521.11	

3+80.12 = N.L. Saranac = end

3+70.12 = N. cb.

3+60.12 = Brk.

3+50.12 = ℄

3+30.12 = S.cb. of Saranac.

Station	Lt				℄	Rt			
3+80.12		522.4 11.9 / 50	517.7 16.6 / 30	516.0 18.3 / 20	511.6 22.7	508.5 25.8 / 20	507.1 27.2 / 30		505.7 28.6 / 50
3+70.12		526.8 7.8 / 50	523.7 10.6 / 30	521.3 13.0 / 20	517.7 16.6	513.3 21.0 / 20	512.4 21.9 / 30		510.8 23.5 / 50
3+60.12		528.7 5.6 / 50	526.7 7.6 / 30	525.3 9.0 / 20	522.9 11.4	520.7 13.6 / 20	520.1 14.2 / 30		518.6 15.7 / 50
3+50.12	534.1 0.2 / 100	532.6 1.7 / 50	528.6 5.7 / 30	525.1 9.2 / 20	523.4 10.9		522.3 12.0 / 20	522.3 12.0 / 30	520.2 14.1 / 50
3+30.12	533.9 0.4 / 100	532.0 2.3 / 50	531.4 2.9 / 30	531.3 3.0 / 20	530.9 3.4 / 10	530.7 3.6	526.7 7.6 / 20	524.5 9.8 / 30	522.7 11.6 / 50

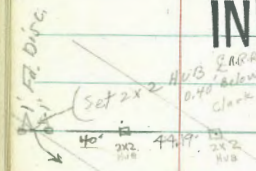
534.34

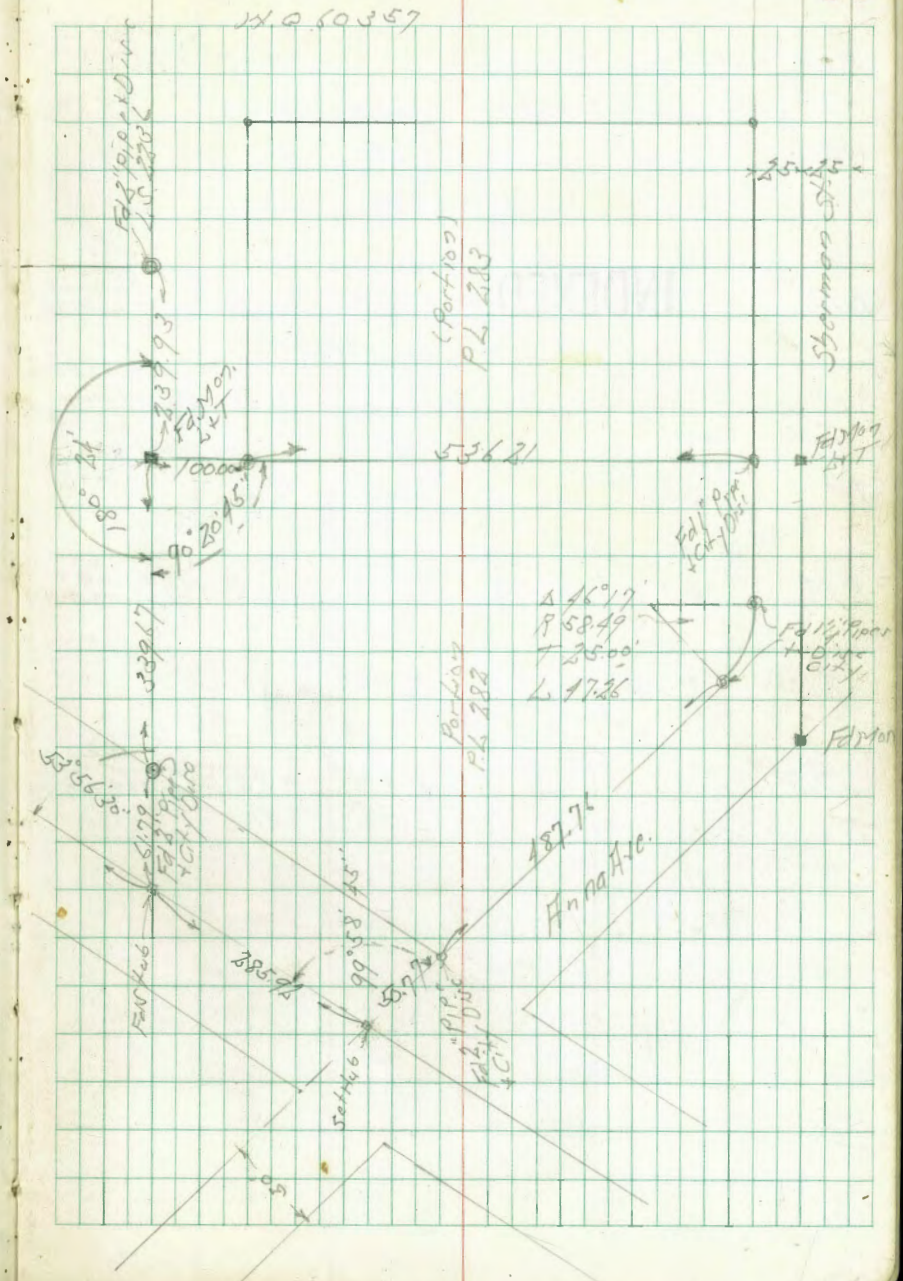
Topog. Portion P.L. 272 - 282 - 283
Anna Ave. Sherman St. + H.T. + S.F. Ry.

See Page 16

March 21-49
A. Sisson
D. Smith
Becker
Gorber

INDEXED





Topog. Control Levels
Anna + Sherman St + A.T. + S.F. Ry.

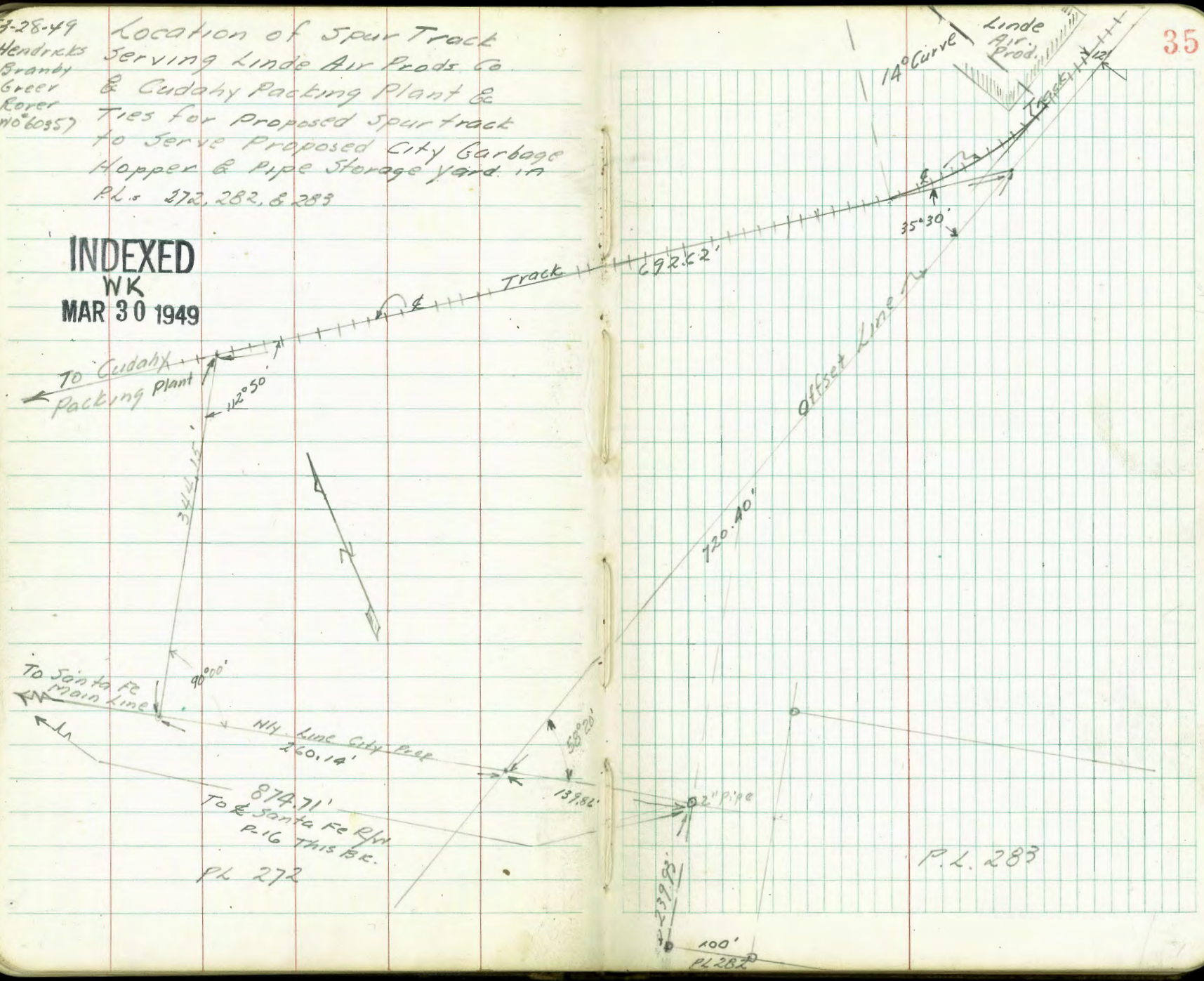
B.M.	4.01	24.08		20.07	S.W. B.P. Toilor + Bs Page
TP	0.10	11.17	13.01	11.07	
TP	5.58	10.19	6.56	4.61	
TP	7.43	12.78	4.84	5.35	
B.M.			10.58	2.20	1½ Pipe + Disc H.L. Sherman Fly City Prop.
B.M.			6.42	6.36	S Mon S.L. Anna & Sherman Stone 6.44 1893-37
TP	5.85	13.04	5.59	7.19	
B.M.	6.92	12.18	7.78	5.26	2" Pipe + Disc H.L. Anna + E.L. Santa Fe R.R.
T.P.	5.39	11.70	5.87	6.31	
B.M.			6.84	4.86	Con. Mon. corner Pueblo Lots 282, 283, 272

INDEXED

3-28-49
Hendricks
Brandy
Greer
Rorer
WO 60357

Location of Spur Track Serving Linde Air Prods. Co. & Cudahy Packing Plant & Ties for Proposed Spur track to Serve Proposed City Garbage Hopper & Pipe Storage yard in P.L.s 272, 282, & 283

INDEXED
WK
MAR 30 1949



See B.2012 - P.16
for Pave Details

Ld+ct.
RP Nails 3.82
2.63

Saranac

Hub.

0+00
6+19.95
0+00

30'
30'
30'
30'

st.
st.
st.

30'
30'
30'
30'

Set 20' c6 Rod
PTS
38'
6+20.14
0+00
Mohawk st
Nail
10'
Hub
38'
30'
30'

st.
st.
st.

El Cajon

Set 1" Pipe + Disk
Fd. old Hub.-2' Deep
6+18.82
Fd. Hub.
st.
1+60
20
20
0+00
7+20.15
Hub
6
7
Lot

st.
st.
st.

30'
30'
30'
30'

Set 20' c6
Rod PTS.
38'
20
38'
7+40
Hub
Pk.
38.0
Hub
38'
38'
Set 20' c6 Rod
PTS.

st.
st.
st.

0+00

Hue 1'x1' Conc with
Brass Plug
30'
Fd. Conc. Mon.
40'
30'
Mon.
Fd. Nail

X-Sect. Saranac St. - from 70th to 72nd
60' St. - Dirt - Rough Graded.
W.O. 25001 4-27-49 - 7.0.

T.P.	12.61	483.46	0.44	470.85'

0+77 - 37.7 Lt. = Ely. of 10' Conc. walk to Clinic

0+40 - 18' Lt. = Beg. edge of Cold Lay Drive to clinic.
0+38 - 28' Rt. = ℄ 4" Pepper

0+30

INDEXED
W. K
AUG 15 1949

0+17

0+02.5' = edge of A.C. Pave at ℄ - outs on Diag. along edge

Rod in ℄ of 10' Rad. Return S.E. Cor.	10.15	461.14	gut.
	9.60	461.69	Top

0+00 = F.L. 70th to South = end of cb. + edge Pave on Rt.

0-10 = E. cb Line of 70th
See sketch - B. 2012 - P. 16

B.M.	9.42	471.29	461.87 = SW. B.P. 70th + Saranac. B. 2012 - P. 31

Lt. = N. ℄ Rt. = S.

0+77:
467.37 / 3.92 / 58 floor; 466.93 / 4.36 / 37.7 Conc.; 466.7 / 4.6 / 30; 466.6 / 4.7 / 18 end C.L.; 466.3 / 5.0 / 14; 467.0 / 4.3 / ℄; 467.2 / 4.1 / 9; 468.6 / 2.7 / 12; 468.9 / 2.4 / 18; 469.4 / 1.9 / 30; 469.7 / 1.6 / 40

0+40:
465.4 / 5.9 / 40; 463.8 / 7.5 / 30; 463.2 / 8.1 / 18 edge C.L.; 463.0 / 8.3 / 15; 463.4 / 7.9 / ℄; 463.6 / 7.7 / 8; 465.1 / 6.2 / 18; 465.2 / 6.1 / 30; 465.3 / 6.0 / 40

0+30:
463.9 / 7.4 / 30; 464.9 / 6.4 / 22; 461.2 / 10.1 / 16; 462.3 / 9.0 / ℄; 462.5 / 8.8 / 9; 463.3 / 8.0 / 18; 464.0 / 7.3 / 30; 464.4 / 6.9 / 40

0+17:
458.0 / 13.3 / 30; 459.8 / 11.5 / 18; 461.1 / 10.2 / ℄; 461.4 / 9.9 / 9; 462.5 / 8.8 / 18; 463.0 / 8.3 / 30

0+02.5:
458.13 / 13.16 / 30.5; 458.80 / 12.49 / 20 edge of A.C.; 457.42 / 11.87 / 10; 460.11 / 11.18 / ℄; 460.66 / 10.63 / 10; 461.24 / 10.05 / 20.6 gut.; 461.66 / 9.63 / 20.6 Top

0+00:
458.27 / 13.02 / 30; 458.90 / 12.39 / 20; 459.54 / 11.75 / 10; 460.17 / 11.12 / ℄; 460.71 / 10.58 / 10; 461.24 / 10.05 / 20.2 gut.; 461.66 / 9.63 / 20.2 Top = end cb.; 462.2 / 9.1 / 30

0-10:
458.35 / 12.94 / 30; 459.24 / 12.05 / 15; 460.22 / 11.07 / ℄; 461.04 / 10.25 / 20; 461.29 / 10.00 / 30 gut.; 461.77 / 9.52 / 30 Top = P.C. Ret.; 462.23 / 9.06 / 50 gut.; 462.79 / 8.50 / 50 Top; 464.80 / 6.49 / 100 gut.; 465.39 / 5.90 / 100 Top

471.29

T.P.	13.04	521.12	0.77	508.08
3+50				
3+33 - 12' Rt. = Nly. of 6" Rock + Conc. Ret. wall				
3+00				
T.P.	13.22	508.85	0.26	495.63
2+50				
2+00				
T.P.	12.77	495.89	0.34	483.12
1+73 - 46.7 Rt. = N.Wly. Cor. House				
1+50				
1+10				

Lt

505.8	505.5	504.9	505.2	506.0	506.9	507.5	
3.1	3.4	4.0	3.7	2.9	2.0	1.4	
40	30	16		15	30	40	
					5.00 / 17 = Top wall 503.85		5.13 / 30 = Top 503.72
499.1	498.9	498.0	498.0	498.0	497.5	499.6	499.3
9.8	10.0	10.9	10.9	10.9	9.4	9.3	9.6
40	30	15		5	20	30	40
			508.85				
489.9	490.0	490.1	490.5	490.4	491.4	491.5	491.3
6.0	5.9	5.8	5.4	5.5	4.5	4.4	4.6
40	30	15		18	20	30	40
483.00	483.6	483.0	482.7	482.6	482.6	482.5	482.6
12.9	12.3	13.9	13.2	13.3	13.3	13.4	13.3
40	30	15		9	20	30	40
			495.89				
				491.6			
			Dirt Dr.	2.4 - 47.3 - ground at Cor.		+ 2.58 47.3 floor	
468.9	469.2	474.9	475.1	476.8	475.5	476.3	476.5	476.9
14.6	14.3	8.6	8.4	7.7	8.0	7.2	7.0	6.6
40	34	29	13		8	10	30	40
467.3	467.7	469.0	469.7	470.5	470.8	471.9	472.3	472.6
16.2	15.8	14.5	13.8	13.0	12.7	11.6	11.2	10.9
40	30	20	12		9	12	30	40

483.46

5+50

5+25

5+09 - 22' Lt = Ely. of Conc. Drive slab

5+00 = ℄ Gar. on Rt. - Dirt floor
wly. of 4' Conc. walk Behind Conc. Dr. slab on Lt.

4+90 = 21.8' Lt. = wly of Conc. Dr.

4+75 - 26.8' Rt. = ℄ 2' Conc. Block walk

4+50

T.P. 12.27 533.03 0.36 520.76

4+00

3+75 - 58' Rt. = wly. of Doub Gar. - Conc. floor

	Lt	℄	Rt
530.1	529.7	528.5	527.8
2.9 / 40	3.3 / 30	4.5 / 0	5.2
529.2	529.0	527.9	527.0
3.8 / 40	4.0 / 30	5.1 / 15	6.0
528.41		528.01	
4.62 / 30 = Cor. = end		5.02 / 22 = edge	
528.40	527.89	527.32	526.4
4.43 / 43 on walk	5.14 / 30 Beg	5.71 / 22 edge Conc	6.6 / 12
	527.70	527.67	526.93
	5.43 / 4 walk	5.46 / 30	6.2 / 0
527.3	526.0	524.7	523.9
5.7 / 40 on Dr.	7.0 / 30	8.3 / 16 Dr.	9.1 / 21.6 = Dr.
523.5	522.4	521.1	520.3
9.5 / 40	10.6 / 30	11.9 / 26	12.7
514.5	513.7	512.6	512.9
6.6 / 40	7.4 / 30	8.5 / 15	8.2
		533.03	

	Lt	℄	Rt
527.4	526.4	525.8	525.0
6.5 / 8	6.6 / 14	7.2 / 20	8.0 / 40
526.5	525.5	525.0	524.8
6.5 / 8	7.5 / 14	7.2 / 20	7.8 / 30
524.8	524.5	523.9	519.9
8.2 / 16	8.5 / 30	9.1 / 40 Dirt Dr.	11.6 / 96 floor Gar.
523.8.9		523.01	
9.74 / 26.8 = walk		10.02 / 44.3 = at Porch	
520.0	519.1	520.2	
13.0 / 15	13.1 / 30	12.8 / 40	
513.1	513.0	512.3	
8.0 / 15	7.9 / 30	8.8 / 40	
509.4		509.78	
11.7 / 30 on Gravel Drive		11.14 / 58 = Floor Gar.	

521.12

0+35 - 20' Lt. = ℄ 10' Gravel Dr. - Gar. way back

0+20 - 21.6' Rt. = ℄ 3" Pine

0+07 - 16.8' Rt. = ℄ 14" Euc

60' E = E.L. 71st = 0+00 ahead.

58' E - 20.7' Lt. = ℄ 24" Euc.

52' E - 27' Lt. = ℄ 3" Pipe = F.H.

41' E - 19' Lt. = ℄ of 10' B.C. Drive

32' E - 22' Lt. = ℄ 24" Euc

30' E = ℄ 71st

Dirt Dr.

10' E - 28.8' Lt. = Sly. of 8" Conc + Rock wall - Wly. of

7' E - 33.8' Rt. = ℄ P. pole # P-71104

8' E of W.L. - 22.2' Lt. = ℄ Guy Pole

6+19.95 = W.L. 71st

6+08 - 29.4' Lt. = end wall

6+00 - 51.1 Rt. = House

T.P. 3.96 534.96 2.03 531.00 = Nail in Pole

5+85

5+80 - 21.7' Rt. = ℄ Guy Pole

5+67 - 22' Lt. = ℄ Tel. pole # J.P. 271034

5+65 - 30' Lt. = Beg. 8" Conc. & Rock wall

Lt. ℄ Rt.

530.4 2.6 50 | 529.4 3.6 30 | 528.4 6 20

530.3 2.7 40 | 529.6 3.4 30 | 528.0 5.0 15 | 526.9 6.1 | 526.1 6.9 15 | 525.1 7.9 30 | 520.8 12.2 80

530.75 2.28 50 = Dr. | 529.44 3.59 30 = Dr. | 528.49 4.54 9 = Dr.

529.3 3.7 30 | 528.1 4.9 15 | 527.0 6.0 | 525.93 7.1 15 | 524.63 8.4 30 | 520.4 12.6 80

530.7 2.3 60 Dr. | 531.49 1.54 100 Top | 529.8 3.8 28.8 ground = Dr. | 530.14 2.89 28.8 = Top

529.8 3.2 40 = Dr. | 529.0 3.8 30 | 528.0 5.0 15 | 526.9 6.1 | 526.1 6.9 10 | 525.6 7.4 16 | 525.0 8.0 30 | 520.9 12.1 80

528.9 4.1 29.4 ground | 530.49 2.54 29.4 = Top wall | 524.23 8.7 51.1 ground | 525.59 7.44 51.1 floor

534.96

531.5 1.0 40 | 531.71 3.2 29.8 Top wall | 530.4 2.4 29.8 | 529.5 3.3 15 | 528.6 4.4 | 527.9 5.1 8 | 526.9 6.1 15 | 527.2 5.8 20 | 526.5 6.5 30 | 526.5 6.5 40

531.46 1.7 30 Top wall | 530.0 3.0 30 ground

533.03

	7.77	539.76	2.97	531.99

2+00 - Wly. of Gravel Dr. on Lt.

about 10' of Lawn + planting to N.

1+80 - 27' Rt = Beg. 8" Loose Rubble wall - with

1+72 - 30' Rt. = ℄ 15' Conc Dr.

1+67 - 17' Lt. = ℄ 10' H.C. Drive

1+60 - 26.5' Rt. = end of Wall

1+50

1+37 - 23.6' Rt. = ℄ 2 - 14" Euc Trees

1+32 - 26.6' Rt. = Beg. 8" Granite wall

1+23 - 30.2' Rt. = ℄ 15' Conc. Dr.

1+02 - 28.5' Lt. = ℄ P. pole # J.P. 277211

1+00

0+82 - 22.2' Rt. = ℄ 14" Euc.

0+64 - 20.8' Lt. = ℄ 24" Euc

0+55 - 24.2' Lt. = ℄ 6" Euc.

0+50

0+48 - 21.2' Lt. = ℄ 30' Euc.

Lt. ℄ Rt.

Elev. / Rod / Dist.								
532.1 / 2.9 / 50	531.8 / 3.2 / 30 Dr.	531.5 / 3.5 / 15	℄ 531.4 / 3.6	531.3 / 3.7 / 15	531.38 / 3.58 / 27 Top wall	529.1 / 5.9 / 28	529.0 / 6.0 / 30	528.7 / 6.3 / 40
				531.0 / 4.0 / 15	530.90 / 4.06 / 27 = Top wall	528.7 / 6.3 / 28	528.4 / 6.6 / 30	
				530.7 / 4.3 / 15	528.30 / 6.66 / 30 = Dr.	527.79 / 7.17 / 53 = floor Gar.		
532.2 / 2.8 / 50	531.5 / 3.5 / 30	530.9 / 4.1 / 17 = Dr.			530.40 / 4.56 = Top wall			
531.6 / 3.4 / 40	531.5 / 3.5 / 30	530.8 / 4.2 / 15	℄ 530.4 / 4.6	530.3 / 4.7 / 15	530.15 / 4.81 / 27 Top wall	527.8 / 7.2 / 28	527.8 / 7.2 / 30	527.3 / 7.7 / 40
					529.90 / 5.06 / 26.6 Top	529.7 / 5.3 / 26.6 = ground		
				527.73 / 7.23 / 30.2 = Dr.	526.43 / 8.53 / 46 Drk	526.54 / 8.42 / 52.5 = floor Gar.		
532.3 / 2.7 / 40	531.6 / 3.4 / 30	530.4 / 4.6 / 15	℄ 529.8 / 5.2	530.0 / 5.0 / 15	527.5 / 7.5 / 30	526.5 / 8.5 / 40		
532.0 / 3.0 / 40	531.4 / 3.6 / 30	530.0 / 5.0 / 15	℄ 529.2 / 5.8	528.3 / 6.7 / 15	527.5 / 7.5 / 30	527.2 / 7.8 / 40		

534.96

3+77 - 11' Lt. - Beg. 8" Conc. wall

3+72 - 22.4' Lt. - Cor. Conc. wall

3+50

3+43 - 23.1' Lt. = Beg. 6" Conc. wall + end Lawn
3+35 - 30.5' Rt. = end Nly. of 2' Hedge
3+17 - 30.6' Lt. = ℄ 6" Strawberry Tree
3+12 - 28' Rt. = ℄ 11" Palm
3+07 - 30.9' Rt. = ℄ 6' Dr. - 2 - 2' Conc. strips

3+00

also Lawn
2+86 - 22.3' Lt. = ℄ 3' Conc. Stepping stone walk
2+74 - 29.9' Rt. = ℄ 3' Conc. walk

2+57 - 25.5' Lt. = ℄ 16" Abbasynian Guava
2+50 27.5' Rt. = end Rubble wall
2+46 - 22' Rt. = ℄ P. pole # 277212
2+10 - 29.5' Rt. = Beg. Nly. of 2' Hedge - 4' High

Lt. ℄ Rt.

536.45 3.31 30
536.60 3.16 24 0 = Top
536.53 3.23 11 = Top wall
536.58 3.18 22.4 = Top
536.4 3.4 40
536.3 3.5 30
536.46 3.30 22.9 Top wall
536.1 3.7 5
535.7 4.1
535.3 4.5 15
534.8 5.0 30
534.3 5.5 40
536.8 3.6 30 ground
536.43 3.33 30 Top
536.2 3.6 23.1 ground
536.44 3.32 23.1 = Top
533.80 5.96 30.9 = Dr.
532.87 6.87 50 = Dr.
535.7 4.1 40
535.5 4.3 30
534.7 5.1 15
534.3 5.5
534.1 5.7 15
533.7 6.1 30
533.2 6.6 40
535.59 4.17 50
534.86 4.90 22.3
532.50 7.24 29.9 = walk
532.43 7.43 49.3 = ℄ Porch
533.9 5.9 40
533.5 6.3 30
530.7 7.1 15
532.7 7.1
532.4 7.4 13
531.99 7.77 27.5 Top-end wall
530.8 9.0 29
530.8 9.0 30
530.4 9.4 40

539.76

5+40

5+30 - 31.4 Rt. = ℄ 3' stepping stone walk

5+14 - 30.1 Lt. = end Conc. slab.

5+00

4+93 - 30' Lt. = wly. of Conc. slab

4+68 - 29.9' Lt. = ℄ 5' Conc. walk

4+50

4+49 - 18' Lt. = ℄ P. pole # 370690

4+28 - 9.8' Lt. = end Conc. wall - goes N.

4+00

Lt	℄	Rt
5.2 534.6 / 40	5.5 534.3	5.7 534.1 / 15
3.4 536.4 / 30 spoil pile	4.0 535.8 / 15	4.9 533.9 / 30
3.57 536.19 / 32 = Gar.	3.69 536.07 / 30.1 = Cov. Conc.	5.81 533.95 / 31.4 walk
3.56 536.20 / 32 floor Gar.	4.6 535.2	4.9 534.9 / 15
3.68 536.08 / 30 edge Conc	4.5 535.3 / 15	5.0 534.8 / 30
3.49 536.27 / 40 Conc.	3.68 536.08 / 30 = Cov. Conc	5.2 534.6 / 40
3.26 536.50 / 40 = at House	3.32 536.44 / 29.9 = walk	
3.4 536.4 / 30	4.9 535.9	4.5 535.3 / 15
3.54 536.4 / 30	4.5 536.3 / 15	5.1 534.7 / 30
3.22 536.54 / 30 Top wall	3.32 536.44 / 9.8 = Top	5.3 534.5 / 40
3.2 536.6 / 40	3.3 536.5 / 30	3.28 / 10.6 Top wall
3.7 536.1 / 10.6	3.8 536.0	4.2 535.6 / 15
4.8 535.0 / 30	4.4 534.7 / 40	539.76

5.1 533.86 / 40 = at House

5.1 533.7 / 40

check B.M. on F.H.			6.41	533.35	533.45
6+18.82 = W.L. 72nd					
5+80					

P.31

513.2	517.5	526.5	526.5	528.7	531.4	531.4	531.4	
26.6 / 40	22.3 / 30	13.3 / 16	13.3 / 5	11.1	8.4 / 6	8.4 / 15	8.4 / 30	

532.1	528.2	530.1	532.5	532.8	532.8	533.2	533.2
17.7 / 40	11.6 / 30	9.7 / 15	7.3	7.0 / 15	7.0 / 27	6.6 / 30	6.6 / 40

539.76

X-Sect. Mohawk - from 70th to 71st

W.O. 25001 - 4-28-49 - 7.0.

See sketch - P. 36 + B. 2012 - P. 16

479.56

Begin - Rods around Returns.

N.E. Return - 15.8' around - 3-parts - 5.3 each

Beg. N. end = N.L. Mohawk		4.61	474.95	T = Top
		5.20	474.36	g = gut
5.3		4.74	474.82	T
		5.30	474.26	g
"		4.71	474.85	T
		5.37	474.19	g
5.3 = end = E.L. 70th		4.62	474.94	T
		5.27	474.29	g

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See 2012 - P. 17. for w/p of Int.

check Nail in Pole		5.94	473.~~62~~ 63	475.~~52~~ .61 =	2012 - P. 17
	5.34	479.56	1.49	474.22	
B.M.	11.45'	475.71		464.~~36~~ .27	SW. BP. 70th + El Cajon

479.56

S.E. Ret. - 15.4 around - 3 - 5.2 each

Beg. S. end = S.L. Mohawk	5.72	473.84	T
	6.32	473.24	g
5.2	5.70	473.86	T
	6.29	473.27	g
"	5.63	473.93	T
	6.19	473.37	g
5.2 = end = E.L. 70th	5.60	473.96	T
	6.20	473.36	g

Begin Regular Sections of Mohawk

1+00

T.P. 12.49 491.77 0.28 479.28

0+72 - 29.4 Rt. = ± 15' Conc Dr.

3-2.5' Conc Strips

0+50 = 30.5' Lt. = 3' E. of W.L. of 14' Dr.

0+25 - 29.2 Rt. = ± 3' Conc. walk

0+05

Rods on Edge

0+00 = E.L. 70+4 - edge of A.C. Pave is 0.4' W.

0-10 - Cont

0-10 = E. cb. of 70+4 - ± A.C. Pave

Lt. Rt.

480.1	480.1	479.4	478.9	479.3 ±	479.0	479.3	479.0	478.7
11.7	11.7	12.4	12.9	12.5	12.8	12.5	12.8	13.1
40	30	18	12		13	18	30	40

491.77

478.11

1.45'
29.4 = Dr.

478.52

1.24
45.5' = floor Gar.

477.93	477.92	477.8	477.6	477.0	477.1	476.8	477.5	477.5	477.6
1.63	1.64	1.8	2.0	2.6	2.5	2.8	2.1	2.5	2.0
30.5	30.5	30	18	10		13	17	30	40
floor Gar.	Dr.								

476.89
2.67
29.2 = walk

476.96
2.60
43.2 at Porch

	477.5	477.2	474.4	474.6	473.9	474.0	474.3	474.5	
	2.1	2.4	5.6	5.0	5.7	3.4	3.3	3.1	
	40	30	18		18	26	30	40	

475.8	474.94	474.29	474.40	474.23	473.86	473.56	473.96	474.4	
3.8	4.62	5.27	5.16	5.33	5.70	6.20	5.60	5.2	
30	20 Top	20 gut	10		18	20.2 gut	20.2 Top	30	

473.27	472.65	472.90	474.34		471.26		471.88		
6.29	6.91	4.66	5.22		8.30		7.68		
130 Top	130 gut	70 Top	70 gut		100 gut		90 Top		

475.13	474.47	474.45	474.36	474.21	473.85	473.20	473.24	473.84	472.73	473.51
4.43	5.09	4.61	5.20	5.35	5.71	6.06	6.32	5.72	6.83	6.2
50 Top	50 gut	30 Top	30 gut	20		20	30 gut	30 Top	50 gut	50 Top

479.56 - P. 45

3+00 – 30' Lt. = wly. of 7' Dr. – 2-2' Conc. Strips

T.P. 7.41 496.03 3.15' 488.62

2+98 – 30' Lt. = end Conc.

2+60 – 30' Lt. = Beg. 12" Conc. found. for fence

2+50

2+31 – 30.5' Rt = ℄ 3' Conc. walk

2+18 – 29.8 Lt. = ℄ 7' Conc. Dr.

2+00

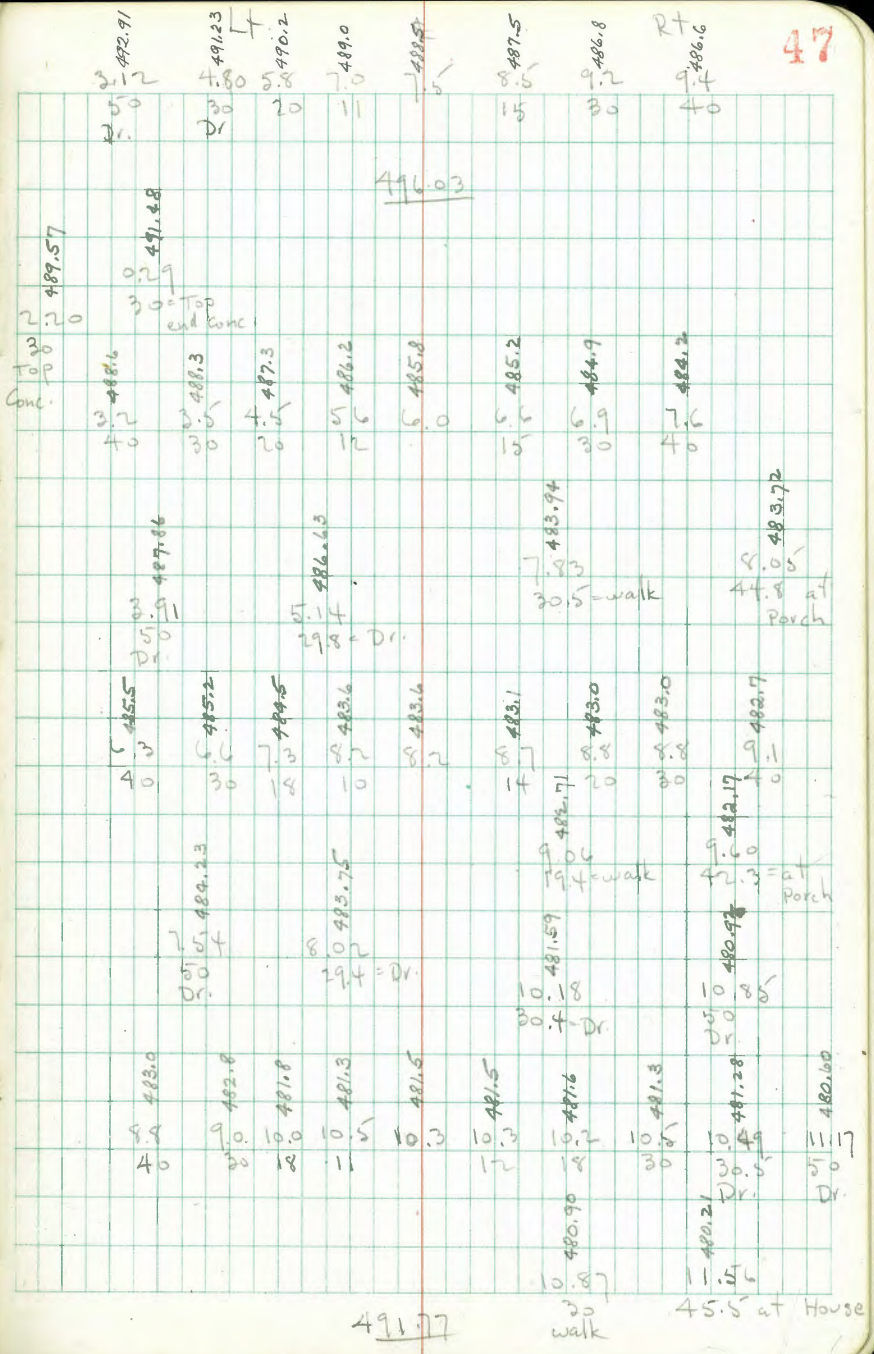
1+87 – 19.4' Rt. = ℄ 2' Conc. walk (slabs)

1+66 – 29.4' Lt. = ℄ 12.5' Conc. Dr.

1+64 – 30.4' Rt = ℄ 8' Conc. Dr.

1+50 – 30.5' Rt = ℄ 7' Dr. – 2 – 18" Conc. strips

1+32 – 30' Rt. = ℄ 3' Conc. walk



4+95 - 26' Lt. = ℄ Conc. slab on 3' Conc. walk
4+85 - 25.8 Rt. = ℄ 3' Conc. walk

4+50 - 30' Lt. = ℄ 4' Conc. walk

4+20

4+14 - 29.9 Lt. = ℄ 7.5' Conc. Dr.
3+94 - 28.5 Rt. = ℄ 2.5' Conc. walk
3+92 - 28.5' Rt. = end ℄ Hedge

3+80

3+61 - 28.5' Rt. = Beg. ℄ of 2.5' Hedge = 3' High
3+60

3+40 - 30.2' Lt. = ℄ 3' Conc. walk

3+18 - 30.1 Lt. = ℄ 7' Dr. - 2-2' Conc. strips
3+11 - 30.7 Rt. = ℄ 4' Conc. walk

Lt ℄ Rt.

497.67 4.36 50 walk
489.41 6.62 33 Beg. Reg. walk
488.75 7.1 26 = slab
486.44 9.59 25.8 = walk
485.65 10:38 49.3 = at Porch

489.57 6.44 50 walk
488.23 7.80 30 walk
487.3 8.7 15
486.7 9.3
486.6 9.4 15
485.4 10.6 30
484.8 11.2 40

489.6 6.4 40
488.3 6.7 30
487.7 8.3 12
487.6 8.4
487.2 8.8 15
486.2 9.8 30
486.2 9.8 40

490.38 5.65 45 Dr.
489.43 6.60 29.9 = Dr.
486.07 7.96 28.5 = walk
487.57 8.52 48.8 at Porch

491.8 4.2 40
491.7 4.3 30
491.5 4.7 18
490.2 5.8 10
489.8 6.2
489.3 6.7 5
488.4 7.6 30
487.9 8.1 40

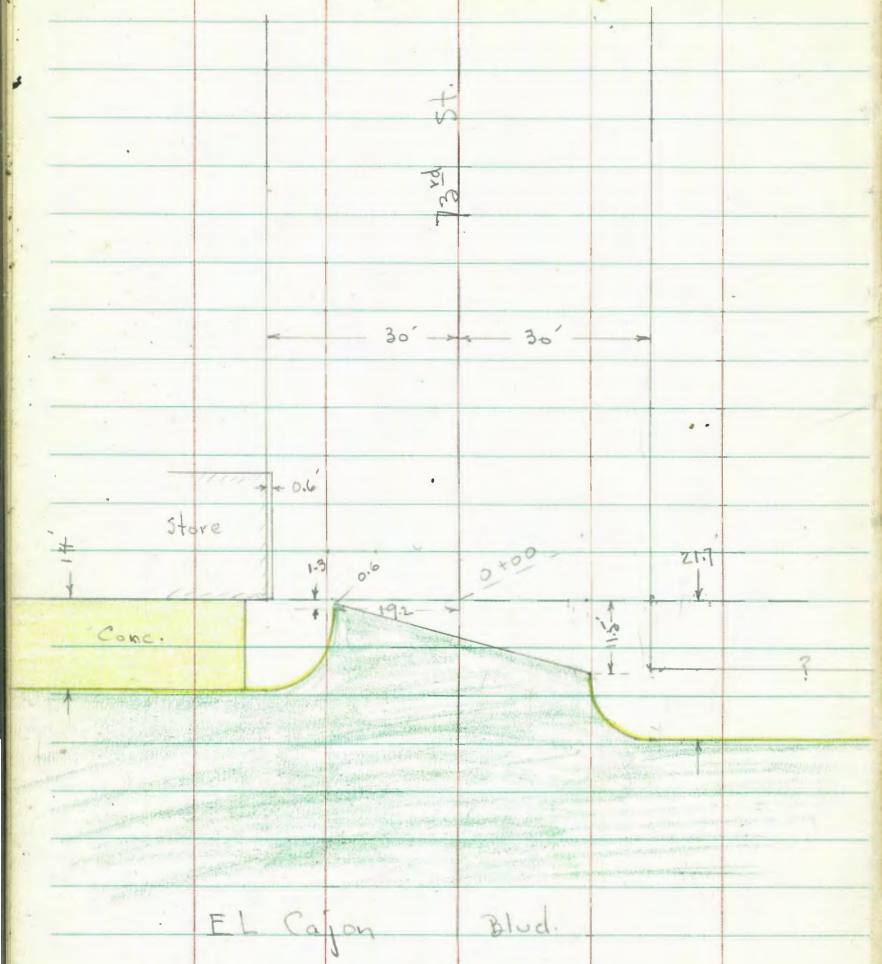
492.9 3.1 40
492.6 3.4 30
492.1 3.9 20
490.9 5.1 10
490.3 5.7
489.6 6.4 15
488.5 7.5 30
488.0 8.0 40

493.73 2.30 40.9 Walk
492.92 3.11 30.2 walk
491.67 4.5 15
490.2 5.8
489.1 6.9 15
488.5 7.5 30
487.9 8.1 40

473.90 2.13 50 Dr.
492.18 3.85 30.1 Dr.
487.20 8.83 30.7 walk
486.67 9.36 48.9 - at Porch

496.03

Sta.	Notes	Lt.	℄	Rt.
10' E =	W. cb.	2.1/75 (498.2); 4.7/50 (495.6); 6.0/30 (494.3); 6.2/20 (494.1); 7.3/9 (493.0)	7.4 (492.9)	8.0/15 (492.3); 8.4/30 (491.9); 9.6/50 (490.7); 11.6/100 (488.7)
08' E -	29.4 Rt = ℄ P. pole - #P 71107 = B.M.			
6+20.14 =	W.L. 71st	1.9/75 (498.4); 4.5/50 (495.8); 6.1/30 (494.2); 6.8/20 (493.5); 8.0/9 (492.3)	8.1 (492.2)	8.7/15 (491.6); 8.9/30 (491.4); 9.9/50 (490.4); 11.6/100 (488.7)
T.P.	7.48 | 500.26 | 3.25 | .79 492.78 = P.18 492.78 ✓ = Nail in Pole 71st		500.26	
5+98 -	26.8' Rt. = ℄ 3' Conc. walk			5.40/26.8 walk (490.63); 5.80/50 walk (490.23)
5+80		2.0/40 (494.0); 3.6/30 (492.4); 4.3/20 (491.7); 6.0/11 (490.0)	6.1 (489.9)	6.6/15 (489.4); 6.5/23 (489.5); 5.6/26 (490.4); 5.8/30 (490.2); 5.8/40 (490.2)
5+57 -	19.5' Rt = ℄ 10' Conc. Dr.			7.72/19.5 Dr. (488.31); 7.67/30 Dr. (488.36); 8.23/50 = Dr. (487.80)
5+40		4.1/40 (491.9); 5.5/30 (490.5); 7.3/15 (488.7)	7.7 (488.3)	8.0/12 (488.0); 7.9/20 (488.1); 8.2/30 (487.8); 8.5/40 (487.5)
5+37 -	26.1 Rt = ℄ 3' Conc. walk			8.29/26.1 walk (487.74); 8.88/49 at Porch (487.15)
5+14 -	16.3' Rt = Wkg. 6" Conc. wall			8.47/16.3 Top wall (487.56); 8.92/30 Top (487.11)
5+00		5.8/40 (490.2); 7.0/30 (489.0); 8.5/15 (487.5)	8.6 (487.4)	9.0/15 (487.0); 9.8/30 (486.2); 10.2/40 (485.8)
			496.03	


Lapd St.
30'
30'
0.6'
Store
1'
1.3
0.6
0+00
19.2
21.7
1.8
Conc.
?
El Cajon Blvd.

X-Sect. 73rd - from El Cajon to Saranac
W.O. 25001 5-2-49 - 7.0.
See Sketch - P. - 36 + 50
Beg. - Rods around Returns -
N.W. Ret. 19' around - 4-parts - 4.7' each

487.03 - Compare B.M's Before Reducing

W.L. 73rd
Beg. at W. end = P.C. 10' Rad.

	6.83	480.20	T =
	7.45	479.58	q
4.7'	6.75	480.28	T
	7.38	479.65	q
"	6.67	480.36	T
	7.26	479.77	q
"	6.57	480.46	T
	7.14	479.89	q
4.7 = end = 13' S. of El Cajon N.L.	6.45	480.58	T
	7.10	479.93	q

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B.M.	6.68	487.03	480.35 = S.W. B.P. El Cajon + 73rd

487.03

N.E. Return - 15.6 around - 3-parts - 5.2' each

N.L. El Cajon Prod.
Beg. at N. end = 11.5' S. of

	5.51	481.52	T
	6.27	480.76	q
5.2'	5.59	481.44	T
	6.38	480.65	q
"	5.65	481.38	T
	6.34	480.69	q
10' Rad. 5.2 = end = E.L. 73rd = P.C.	5.66	481.37	T
	6.21	480.82	q

Begin regular Sections of 73rd
Dirt Dr. to Gar.

0+56 - 30.2' Lt. = Ely of 4" Conc. cb. along Sly of

0+50

0+37 - 29.6' Lt. = ℄ 4' Conc walk

0+13 - 22.9' Lt = Beg. Row of Trees (dead) = 10' cc

0+03 - 22.5' Lt. = ℄ P. pole # P-78379

0+00 = N.L. of El Cajon to West

0 - 01.3 end of cb. on Lt

Rods along edge of Pave

0 - 05.9 = edge of H.C. Pave at ℄ = See sketch

0 - 11.5 = end of cb. on Rt.

0 - 14 = N. cb. to W.

0 - 21.7 = N. cb. to East

Lt ℄ Rt

481.43 — 5.60, 5.45, floor Gar.

481.73 — 5.30, 5.55 end

482.31 — 4.72, 30.2 = Top

481.7 — 5.3, 40

481.6 — 5.4, 30

482.6 — 4.4, 15

483.2 — 3.8

483.5 — 3.7, 5

484.5 — 3.2, 0.5

484.9 — 2.1, 40

481.18 — 5.85, 47.2, at Porch

481.32 — 5.73, 29.6 = walk

480.84 — 6.19, 29.4, floor.

480.4 — 6.6, 29.4 = Cor. Stove

480.58 — 6.45, 19.2 Top

479.93 — 7.10, 19.2 gut

480.3 — 6.7, 10

480.7 — 6.3

481.0 — 6.0, 10

481.4 — 5.6, 20

482.3 — 4.7, 30

479.94 — 7.09, 20 = Cor. A.C. 13' S. of W.L.

480.36 — 6.67, 10

480.66 — 6.37

480.76 — 6.27, 10

480.76 — 6.27, 9 = 11.5' S.

481.52 — 5.51, 22 = Top. end cb.

480.2 — 6.8, 30

480.34 — 6.69, 27.8 Top

479.73 — 7.30, 22.8 gut

480.15 — 6.88, 10

480.49 — 6.54

480.69 — 6.34, 10

480.76 — 6.27, 20 gut

481.54 — 5.51, 20 Top end

481.9 — 5.1, 30

478.77 — 8.26, 10, Top

478.12 — 8.91, 0, gut

479.82 — 7.21, 50, Top

479.13 — 7.90, 50 gut

480.20 — 6.83, 30 Top

479.58 — 7.45, 30 gut

479.86 — 7.17, 20

480.41 — 6.62

480.76 — 6.27, 20, gut

481.47 — 5.56, 20, Top

481.9 — 5.1, 30

479.48 — 7.55, 50

479.85 — 7.18, 30

480.01 — 7.02, 20

480.38 — 6.65

480.70 — 6.33, 20

480.82 — 6.21, 30, gut

481.37 — 5.66, 30, Top

481.20 — 5.83, 50, gut

481.73 — 5.30, 50, Top

482.09 — 4.94, 100, gut

482.63 — 4.40, 100, Top

487.03

3+40.28 = ℄

3+10.28 = S.L. Mohawk to W.

3+06 - 23' Lt. = ℄ P. pole # P.76144-P

Note = 0.05 Diff.

check B.M. on F.H. 1.75 492.10 492.05 =

3+00.5

2+80 19.5' Lt. = ℄ F.H.

2+50 - 32' Lt. = N'ly of 8' Coldway Dr.

2+00

1+99 - 21.9' Lt. = ℄ Guy Pole

1+68 - 20' Lt. = ℄ 14" Acacia

1+50 = ℄ Alley

1+45 - 22' Lt. = ℄ end Row of Dead Trees (Acacia)

1+38 - 22.5' Lt. = ℄ P. pole # P 78378

1+00

T.P. 7.85 493.85 1.03 486.00

0+67 - 21.8' Lt. = ℄ Guy Pole

Lt.							℄							Rt.
														488.1
														5.8
														30
														486.9
														7.0
														15
														485.8
														8.1
														484.7
														9.2
														15
														484.6
														9.3
														30
														483.4
														10.5
														40
							490.5							
							3.4							
							30							
							489.5							
							4.4							
							20							
							489.0							
							4.9							
							10							
							486.4							
							7.5							
							486.4							
							7.8							
							15							
							489.8							
							8.1							
							30							
							484.5							
							9.4							
							40							
P.25														
							491.5							
							2.4							
							40							
							490.2							
							3.2							
							30							
							489.3							
							4.6							
							20							
							488.8							
							5.1							
							10							
							487.3							
							6.6							
							487.1							
							6.8							
							15							
							486.6							
							7.3							
							30							
							485.9							
							8.0							
							40							
			492.0											
			1.9											
			2.4											
			0											
			490.7											
			3.2											
			3.2											
			Dr.											
			490.0											
			3.9											
			30											
			489.0											
			4.9											
			15											
			488.0											
			5.9											
			487.8											
			6.1											
			15											
			487.7											
			6.2											
			30											
			487.7											
			6.2											
			40											
			489.9											
			4.0											
			40											
			489.5											
			4.4											
			30											
			488.9											
			5.0											
			15											
			488.4											
			5.5											
			488.6											
			5.3											
			15											
			487.8											
			6.1											
			30											
			490.4											
			3.5											
			40											
		487.4												
		6.5												
		100												
		486.8												
		7.1												
		50												
		486.9												
		7.0												
		30												
		487.4												
		6.5												
		15												
		487.4												
		6.5												
		487.5												
		6.4												
		15												
		488.4												
		5.5												
		30												
		489.0												
		4.9												
		40												
		484.5												
		9.4												
		40												
		484.6												
		9.3												
		30												
		485.3												
		8.6												
		15												
		485.6												
		8.3												
		485.9												
		8.0												
		15												
		486.8												
		7.1												
		30												
		487.0												
		6.9												
		40												

493.85

487.03

5+42 - 21.6 Lt. = ℄ Guy Pole # 469144H

5+30 - Alley to W.

5+20 - 30 Lt. = end of wall

5+13 - 22.3 Lt. = ℄ P. pole # I.P. 76028

5+00

4+67 - 30' Lt. = Beg. 6" Conc. wall

4+50 - 29.3 Lt. = Doub. Gar. under House - Conc. floor. 3' S. of Nly. of 15' Conc. Apron to

T.P. 2.34 483.40 12.79 481.06

4+00

3+97 - 29.8' Lt. = end wall

3+70.6 - 30.1 Lt. = Beg. 8" Conc. Brick wall

3+70.28 = N.L. Mohawk

Lt. # Rt.

| | | |

7+20.15 = ℄

T.P.	7.33	482.22	3.31	474.89

7+00.15' = S.L. of Saranac to W.

Set B.M. on F.H. 3.31 474.89

6+90 - 22.1 Lt. = ℄ F.H.

6+87 - 22' Lt. = ℄ P. pole # 76029

6+52 - 30' Lt. = end of wall

6+50

6+36 - 22' Lt. = ℄ 8" Pine

6+34 - 29.8 Lt. = ℄ 3' Conc. walk Thru wall

T.P.	6.74	478.20	11.94	471.46

6+00

5+93 - 21.6 Lt. = ℄ 4" Pine

5+77 - 30' Lt. - Beg 6" Conc. wall

5+65

477.84
5.56
30
Top

Lt. ℄ Rt.

| Lt. | | | |

1+80 = for Profile

1+60 = end of St

1+07 = ℄ Dirt Dr. on Lt. - to House

1+00

T.P. 12.29 494.03 0.48 481.74

0+50 = ℄ of Dirt Dr. on Lt

0+00 = W.L. 73rd
See Sketch.
W. of 73rd

Beg. Sections of 40' Portion of Saranac

7+42 - 22.3 Lt. = ℄ P. pole # 76030

7+40.15 = N.L. of Saranac = end = Dirt Drive to Gar. ~~way back~~

Lt	℄	Rt
	3.2 490.8 / 20	4.3 494.7
		5.9 488.1 / 20
5.1 488.9 / 30	6.0 488.0 / 20	6.2 487.8 / 10
	6.3 487.7 / 10	6.5 487.55 / 10
	7.0 487.0 / 20	7.8 486.2 / 30
3.28 490.75 / 66 floor House	5.5 488.5 / 60 Dr.	6.5 487.5 / 20 Dr.
	8.6 485.4 / 20 Dr.	11.0 483.0
8.3 485.7 / 30	9.3 484.7 / 20	10.7 483.3 / 10
	11.8 482.2	12.1 481.9 / 10
	11.9 482.1 / 20	12.8 481.2 / 30
0.03 482.19 / 50 floor House.	0.8 481.4 / 50 Dr. at Porch	2.9 479.3 / 20
	4.1 478.1 / 10	494.03
	5.1 477.1	5.9 476.3 / 10
	5.8 476.4 / 20	6.4 475.8 / 30
9.7 472.5 / 20	10.2 472.0 / 10	10.4 471.8
	10.8 471.4 / 10	10.9 471.3 / 20
	11.4 470.8 / 30	
10.9 477.3 / 30	12.2 470.0 / 15	12.5 469.7
	13.0 469.2 / 15	14.0 468.2 / 30
	15.0 467.2 / 40	

482.22

8-10-49
Hendricks
Roberts
Greer
Bunch
WO#25020

X Sect Van Nuys Ave
La Jolla Mesa Dr. to East

Note: These X sects are for New Improvements & Changes only. See FB 1724 P. 35 for original notes.

INDEXED
W.K.
AUG 15 1949

0+38

0+32 ℄ 4' Conc. Walk 35.3 Rt.

Reduced
J. Barnett
WB 8/16/49

0+05

0+00 ℄ Line La Jolla Mesa Dr.

B.M. 12.02 151.70
A

13968

149.5 148.1 146.7 145.1 144.8 143.2 143.0 142.7
2.2 3.6 5.0 6.6 6.9 8.5 8.7 9.0
50 35 25 5 6 35 50

142.81 142.72
8.89 8.98
35.3 50

147.2 146.0 144.3 142.2 140.9 140.5 139.9 140.1 140.9
4.5 5.7 7.4 9.5 10.8 11.3 11.8 11.0 10.8
50 55 33 22 4 32 35 50

143.8 142.9 142.10 140.6 139.5 139.4 138.9
7.9 8.8 9.6 11.5 12.3 12.3 12.8
50 35 21 28 35 50

151.70
A

City Engr's Dist. ℄ La Jolla Mesa Dr. & Sol. Pickard Van Nuys Ave. (Bk 4 this Book)

Van Nuys Contd.

4+71	℄ 3' Conc. Walk		34.5' Lt	
T.P.	1310	160.00	4.80	146.90
2+27	℄ 3' Conc Walk		35.2	Rt
1+42	℄ 3' Conc. Walk		35' Rt.	
1+12	℄ 10' Conc. Dr.		35' Rt.	
0+96	℄ 8' Conc Dr.		35' Rt	
0+74	℄ 4' Conc. Walk		34.5' Rt.	
		151.70		

158.88 156.20

3.12 3.80

50 34.5

160.00

145.30 144.81

6.40 6.89

35.2 50

145.22 144.45

6.48 7.25

35' 55

144.77 144.32

6.83 7.38

35 50

144.67 144.32

7.03 7.38

35' 50

143.81 143.89

7.89 7.81

34.5 50

151.70

Van Huys Contd

[illegible]		1.26	167.67	(167.64)
6+68	℄ 11' Conc. Dr.	34.8 Rt.		
6+18	℄ 8 Conc Dr.	34.6 Rt.		
T.P.	10.76	168.93	1.83	158.17
5+40	℄ Conc. Dr.	35' Lt.		
4+89	℄ 8' Conc. Dr.	35.3 Lt.		

16000

CL & 2' Conc. Walk Lt 7+28 (FB 724 P 42)

161.03 160.50
7.90 8.43
34.5 48

158.81 158.43
10.12 10.50
34.6 46

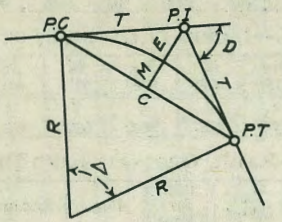
168.93
161.91 159.77
7.91 0.23
50 35

157.67 157.05
2.33 2.95
50 35.3

16000

DIETZGEN'S RAILROAD CURVE
AND
REDUCTION TABLES

Copyright, 1914, by Eugene Dietzgen Co., New York City



CURVE FORMULAS

Radius$=R=\frac{50}{\sin. D/2}$ (1) Degree of Curve$=D$ and $\sin. \frac{D}{2}=\frac{50}{R}$ (2)

Tangent$=T=R\tan\frac{\Delta}{2}$ (3) Length of Curve$=L=100\frac{\Delta}{D}$ (4)

Middle ordinate$=M=R(1-\cos. \frac{\Delta}{2})$ (5)$=R\text{vers}\,\frac{\Delta}{2}$ (6)

External$=E=T\tan\frac{\Delta}{4}$ (7)$=R\div\cos.\frac{\Delta}{2}-R$ (8)$=R\text{x}\sec\frac{\Delta}{2}$ (9)

Long Chord$=C=2\,R\sin.\frac{\Delta}{2}$ (10) Δ=Central Angle

EXPLANATION AND USE OF TABLES

Stations.—Given P. I.=Sta. 161+60.35 to find Sta. of P. C. and P. T. $\Delta=62°\ 10'$ $D=8°\ 20'$. From Table IV for 1° curve T=3454.1 and ÷8⅓=414.49 ft. From Table V correction=.36 or T=414.85 ft. P. C.=Sta. P.I.—T=157 +45.50. Also from (4) L=746.00 and P. T.=Sta. P. C.+L=164+91.50.

Offsets.—Tangent offsets vary (approximately) directly with D and with square of the distance. Thus tangent offset for Sta. 158 on above curve is 2.16 ft. found as follows. From Table III tangent offset for 100 ft.=7.27 ft. Distance=158—Sta. P. C.=54.50, hence offset=7.27 $(54.50\div100)^2$=2.16 ft. Also square of any distance divided by twice the radius equals (approximately) the distance from tangent to curve. Thus $(54.50)^2\div(2\text{ x }688.26)$=2.16 ft.

Deflections.—Deflection angle=½ D for 100 ft., ¼ D for 50 ft., etc. For c ft.=(in minutes) .3 x C x D° or=defl. for 1 ft. from Table III x C. For Sta. 158 of above curve=.3 x 54.5 x 8⅓=136.2′ or 2° 16.2′, or=2.50 x 54.5=136.2′ from Table III. For Sta. 159 deflection angle=2° 16.2′ +8° 20′ ÷2=6° 26.2′, etc.

Externals.—May be found in similar manner to tangents. Thus E for curve above is 115.37. For from Table IV for 1° curve E=960.6 for 8° 20′=960.6÷8⅓=115.27 and from Table V correction=.10 or E=115.37 ft. Or suppose Δ=32° and E is measured and found to be 42 ft. What is D? From Table IV E=230.9 and ÷42=5.5 or D=5° 30′.

NE 5'L4+ tall a Colima 147.52

3+20.12 = S.L. Savanac

461.87 = S.W. 70th + Savanac = 2012 - 31

464.26 = SW 70th + El Cajon

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

Roadway 16 feet wide. Side Slopes 1 on 1½

For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.2	8.3	8.5	8.6	8.8	8.9	9.1	9.2	9.4	0
1	9.5	9.7	9.8	10.0	10.1	10.3	10.4	10.6	10.7	10.9	1
2	11.0	11.2	11.3	11.5	11.6	11.8	11.9	12.1	12.2	12.4	2
3	12.5	12.7	12.8	13.0	13.1	13.3	13.4	13.6	13.7	13.9	3
4	14.0	14.2	14.3	14.5	14.6	14.8	14.9	15.1	15.2	15.4	4
5	15.5	15.7	15.8	16.0	16.1	16.3	16.4	16.6	16.7	16.9	5
6	17.0	17.2	17.3	17.5	17.6	17.8	17.9	18.1	18.2	18.4	6
7	18.5	18.7	18.8	19.0	19.1	19.3	19.4	19.6	19.7	19.9	7
8	20.0	20.2	20.3	20.5	20.6	20.8	20.9	21.1	21.2	21.4	8
9	21.5	21.7	21.8	22.0	22.1	22.3	22.4	22.6	22.7	22.9	9
10	23.0	23.2	23.3	23.5	23.6	23.8	23.9	24.1	24.2	24.4	10
11	24.5	24.7	24.8	25.0	25.1	25.3	25.4	25.6	25.7	25.9	11
12	26.0	26.2	26.3	26.5	26.6	26.8	26.9	27.1	27.2	27.4	12
13	27.5	27.7	27.8	28.0	28.1	28.3	28.4	28.6	28.7	28.9	13
14	29.0	29.2	29.3	29.5	29.6	29.8	29.9	30.1	30.2	30.4	14
15	30.5	30.7	30.8	31.0	31.1	31.3	31.4	31.6	31.7	31.9	15
16	32.0	32.2	32.3	32.5	32.6	32.8	32.9	33.1	33.2	33.4	16
17	33.5	33.7	33.8	34.0	34.1	34.3	34.4	34.6	34.7	34.9	17
18	35.0	35.2	35.3	35.5	35.6	35.8	35.9	36.1	36.2	36.4	18
19	36.5	36.7	36.8	37.0	37.1	37.3	37.4	37.6	37.7	37.9	19
20	38.0	38.2	38.3	38.5	38.6	38.8	38.9	39.1	39.2	39.4	20
21	39.5	39.7	39.8	40.0	40.1	40.3	40.4	40.6	40.7	40.9	21
22	41.0	41.2	41.3	41.5	41.6	41.8	41.9	42.1	42.2	42.4	22
23	42.5	42.7	42.8	43.0	43.1	43.3	43.4	43.6	43.7	43.9	23
24	44.0	44.2	44.3	44.5	44.6	44.8	44.9	45.1	45.2	45.4	24
25	45.5	45.7	45.8	46.0	46.1	46.3	46.4	46.6	46.7	46.9	25
26	47.0	47.2	47.3	47.5	47.6	47.8	47.9	48.1	48.2	48.4	26
27	48.5	48.7	48.8	49.0	49.1	49.3	49.4	49.6	49.7	49.9	27
28	50.0	50.2	50.3	50.5	50.6	50.8	50.9	51.1	51.2	51.4	28
29	51.5	51.7	51.8	52.0	52.1	52.3	52.4	52.6	52.7	52.9	29
30	53.0	53.2	53.3	53.5	53.6	53.8	53.9	54.1	54.2	54.4	30
31	54.5	54.7	54.8	55.0	55.1	55.3	55.4	55.6	55.7	55.9	31
32	56.0	56.2	56.3	56.5	56.6	56.8	56.9	57.1	57.2	57.4	32
33	57.5	57.7	57.8	58.0	58.1	58.3	58.4	58.6	58.7	58.9	33
34	59.0	59.2	59.3	59.5	59.6	59.8	59.9	60.1	60.2	60.4	34
35	60.5	60.7	60.8	61.0	61.1	61.3	61.4	61.6	61.7	61.9	35
36	62.0	62.2	62.3	62.5	62.6	62.8	62.9	63.1	63.2	63.4	36
37	63.5	63.7	63.8	64.0	64.1	64.3	64.4	64.6	64.7	64.9	37
38	65.0	65.2	65.3	65.5	65.6	65.8	65.9	66.1	66.2	66.4	38
39	66.5	66.7	66.8	67.0	67.1	67.3	67.4	67.6	67.7	67.9	39
40	68.0	68.2	68.3	68.5	68.6	68.8	68.9	69.1	69.2	69.4	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 41.9. For same slopes but other widths of readbed correct above figures by one-half difference in width of roadbed; thus in example above for 20 ft. roadbed distance will be 41.9+(20—16)÷2 or 2 ft. added to 41.9 =43.9. For slopes of 1 on 1 see inside of front cover.

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