1624

DIXIGEN

ENGINEER'S

LABEL BOOK

No. 410E

# EUGENE DIETZGEN CO.

DRAWING MATERIALS, MATHEMATICAL and
SURVEYING INSTRUMENTS

Chicago New York San Francisco New Orleans Pittsburg Toronto

Distances from Center of Roadway for Cross-Sectioning
Roadway 16 feet wide. Side Slopes 1 on 1.
For Single Track Embankment.

| H | 0 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | H |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 8.0 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 0 |
| 1 | 9.0 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 1 |
| 2 | 10.0 | 10.1 | 10.2 | 10.3 | 10.4 | 10.5 | 10.6 | 10.7 | 10.8 | 10.9 | 2 |
| 3 | 11.0 | 11.1 | 11.2 | 11.3 | 11.4 | 11.5 | 11.6 | 11.7 | 11.8 | 11.9 | 3 |
| 4 | 12.0 | 12.1 | 12.2 | 12.3 | 12.4 | 12.5 | 12.6 | 12.7 | 12.8 | 12.9 | 4 |
| 5 | 13.0 | 13.1 | 13.2 | 13.3 | 13.4 | 13.5 | 13.6 | 13.7 | 13.8 | 13.9 | 5 |
| 6 | 14.0 | 14.1 | 14.2 | 14.3 | 14.4 | 14.5 | 14.6 | 14.7 | 14.8 | 14.9 | 6 |
| 7 | 15.0 | 15.1 | 15.2 | 15.3 | 15.4 | 15.5 | 15.6 | 15.7 | 15.8 | 15.9 | 7 |
| 8 | 16.0 | 16.1 | 16.2 | 16.3 | 16.4 | 16.5 | 16.6 | 16.7 | 16.8 | 16.9 | 8 |
| 9 | 17.0 | 17.1 | 17.2 | 17.3 | 17.4 | 17.5 | 17.6 | 17.7 | 17.8 | 17.9 | 9 |
| 10 | 18.0 | 18.1 | 18.2 | 18.3 | 18.4 | 18.5 | 18.6 | 18.7 | 18.8 | 18.9 | 10 |
| 11 | 19.0 | 19.1 | 19.2 | 19.3 | 19.4 | 19.5 | 19.6 | 19.7 | 19.8 | 19.9 | 11 |
| 12 | 20.0 | 20.1 | 20.2 | 20.3 | 20.4 | 20.5 | 20.6 | 20.7 | 20.8 | 20.9 | 12 |
| 13 | 21.0 | 21.1 | 21.2 | 21.3 | 21.4 | 21.5 | 21.6 | 21.7 | 21.8 | 21.9 | 13 |
| 14 | 22.0 | 22.1 | 22.2 | 22.3 | 22.4 | 22.5 | 22.6 | 22.7 | 22.8 | 22.9 | 14 |
| 15 | 23.0 | 23.1 | 23.2 | 23.3 | 23.4 | 23.5 | 23.6 | 23.7 | 23.8 | 23.9 | 15 |
| 16 | 24.0 | 24.1 | 24.2 | 24.3 | 24.4 | 24.5 | 24.6 | 24.7 | 24.8 | 24.9 | 16 |
| 17 | 25.0 | 25.1 | 25.2 | 25.3 | 25.4 | 25.5 | 25.6 | 25.7 | 25.8 | 25.9 | 17 |
| 18 | 26.0 | 26.1 | 26.2 | 26.3 | 26.4 | 26.5 | 26.6 | 26.7 | 26.8 | 26.9 | 18 |
| 19 | 27.0 | 27.1 | 27.2 | 27.3 | 27.4 | 27.5 | 27.6 | 27.7 | 27.8 | 27.9 | 19 |
| 20 | 28.0 | 28.1 | 28.2 | 28.3 | 28.4 | 28.5 | 28.6 | 28.7 | 28.8 | 28.9 | 20 |
| 21 | 29.0 | 29.1 | 29.2 | 29.3 | 29.4 | 29.5 | 29.6 | 29.7 | 29.8 | 29.9 | 21 |
| 22 | 30.0 | 30.1 | 30.2 | 30.3 | 30.4 | 30.5 | 30.6 | 30.7 | 30.8 | 30.9 | 22 |
| 23 | 31.0 | 31.1 | 31.2 | 31.3 | 31.4 | 31.5 | 31.6 | 31.7 | 31.8 | 31.9 | 23 |
| 24 | 32.0 | 32.1 | 32.2 | 32.3 | 32.4 | 32.5 | 32.6 | 32.7 | 32.8 | 32.9 | 24 |
| 25 | 33.0 | 33.1 | 33.2 | 33.3 | 33.4 | 33.5 | 33.6 | 33.7 | 33.8 | 33.9 | 25 |
| 26 | 34.0 | 34.1 | 34.2 | 34.3 | 34.4 | 34.5 | 34.6 | 34.7 | 34.8 | 34.9 | 26 |
| 27 | 35.0 | 35.1 | 35.2 | 35.3 | 35.4 | 35.5 | 35.6 | 35.7 | 35.8 | 35.9 | 27 |
| 28 | 36.0 | 36.1 | 36.2 | 36.3 | 36.4 | 36.5 | 36.6 | 36.7 | 36.8 | 36.9 | 28 |
| 29 | 37.0 | 37.1 | 37.2 | 37.3 | 37.4 | 37.5 | 37.6 | 37.7 | 37.8 | 37.9 | 29 |
| 30 | 38.0 | 38.1 | 38.2 | 38.3 | 38.4 | 38.5 | 38.6 | 38.7 | 38.8 | 38.9 | 30 |
| 31 | 39.0 | 39.1 | 39.2 | 39.3 | 39.4 | 39.5 | 39.6 | 39.7 | 39.8 | 39.9 | 31 |
| 32 | 40.0 | 40.1 | 40.2 | 40.3 | 40.4 | 40.5 | 40.6 | 40.7 | 40.8 | 40.9 | 32 |
| 33 | 41.0 | 41.1 | 41.2 | 41.3 | 41.4 | 41.5 | 41.6 | 41.7 | 41.8 | 41.9 | 33 |
| 34 | 42.0 | 42.1 | 42.2 | 42.3 | 42.4 | 42.5 | 42.6 | 42.7 | 42.8 | 42.9 | 34 |
| 35 | 43.0 | 43.1 | 43.2 | 43.3 | 43.4 | 43.5 | 43.6 | 43.7 | 43.8 | 43.9 | 35 |
| 36 | 44.0 | 44.1 | 44.2 | 44.3 | 44.4 | 44.5 | 44.6 | 44.7 | 44.8 | 44.9 | 36 |
| 37 | 45.0 | 45.1 | 45.2 | 45.3 | 45.4 | 45.5 | 45.6 | 45.7 | 45.8 | 45.9 | 37 |
| 38 | 46.0 | 46.1 | 46.2 | 46.3 | 46.4 | 46.5 | 46.6 | 46.7 | 46.8 | 46.9 | 38 |
| 39 | 47.0 | 47.1 | 47.2 | 47.3 | 47.4 | 47.5 | 47.6 | 47.7 | 47.8 | 47.9 | 39 |
| 40 | 48.0 | 48.1 | 48.2 | 48.3 | 48.4 | 48.5 | 48.6 | 48.7 | 48.8 | 48.9 | 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 30.6. For same slopes but other widths of roadbed, correct above figures by one-half difference in width of roadbed; thus in example above, for 20 ft. roadbed distance will be 30.6+(20—16)÷2 or 2 ft. added to 30.6 =32.6. For slopes of 1 on 1½ see inside of back cover.

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MICROFILMED
JAN 1, 1985

Boyd

1624

ENGINEERING DEPARTMENT,
CITY OF SAN DIEGO,
CALIFORNIA.

The paper stock of this book is made of a **high grade 50% rag** paper having a **water resisting surface.** This book is sewed with Bing **Special Enamel Waterproof Thread.**

Made in U. S. A.

| | | |
|---|---|---|
| 29th St. | O.V.B. to Imp. | 1 - 18 |
| Alley Blk 6 | Plumosa Park | 19 - 22 |
| " | N.T.S. " " | 23 - 24 |
| " | E & W " " | 25 - 28 |
| A - Street | Kettner to Pacific Blvd | 29 - 30 |
| Survey Lots 21 & 22 | Blk 160 U.H. | 31 - 32 |
| 20' Alley | Blk 160 U.H. | 33 - 38 |
| Glenfield | Fairmount to Manzanita | 39 - 43 |
| Manzanita Dr | Heather & Place | 44 - 50 |
| C - St | Columbia to Union | 51 - 53 |
| Art St. | El Cajon to Catalina | 54 - 58 |
| Fire Sta. Lots 21 & 24 | Blk. 160 U.V. Hts | 59 - |
| Cabin | Texas St. Grade | 60 - 62 |
| " | east of 39th @ Edna Pl. | 63 - 65 |
| Kurtz St. | East of Noell | 66 - 68 |

Moore
Rand
France
1-6-47.

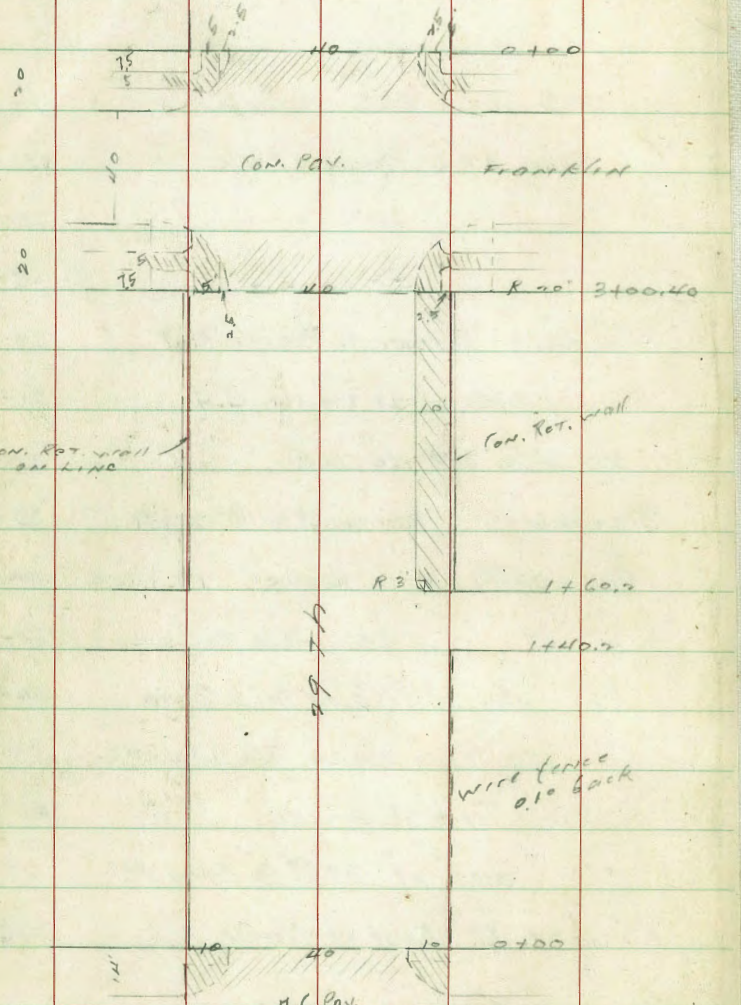
Indexed
C.S.K.

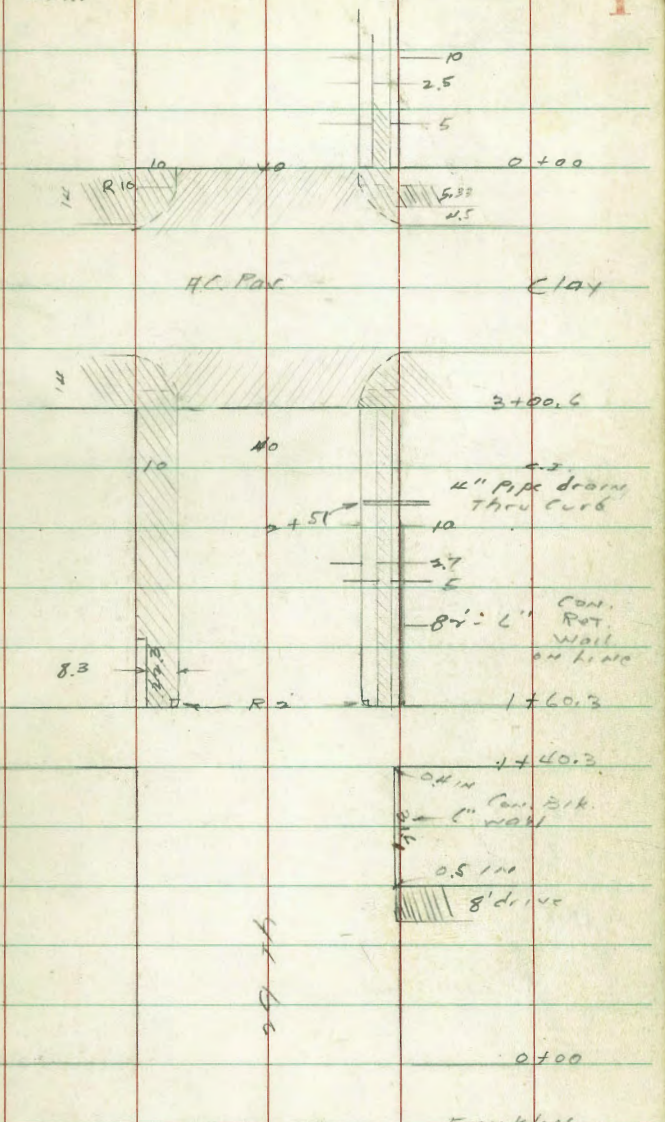


X sec of 29th St.

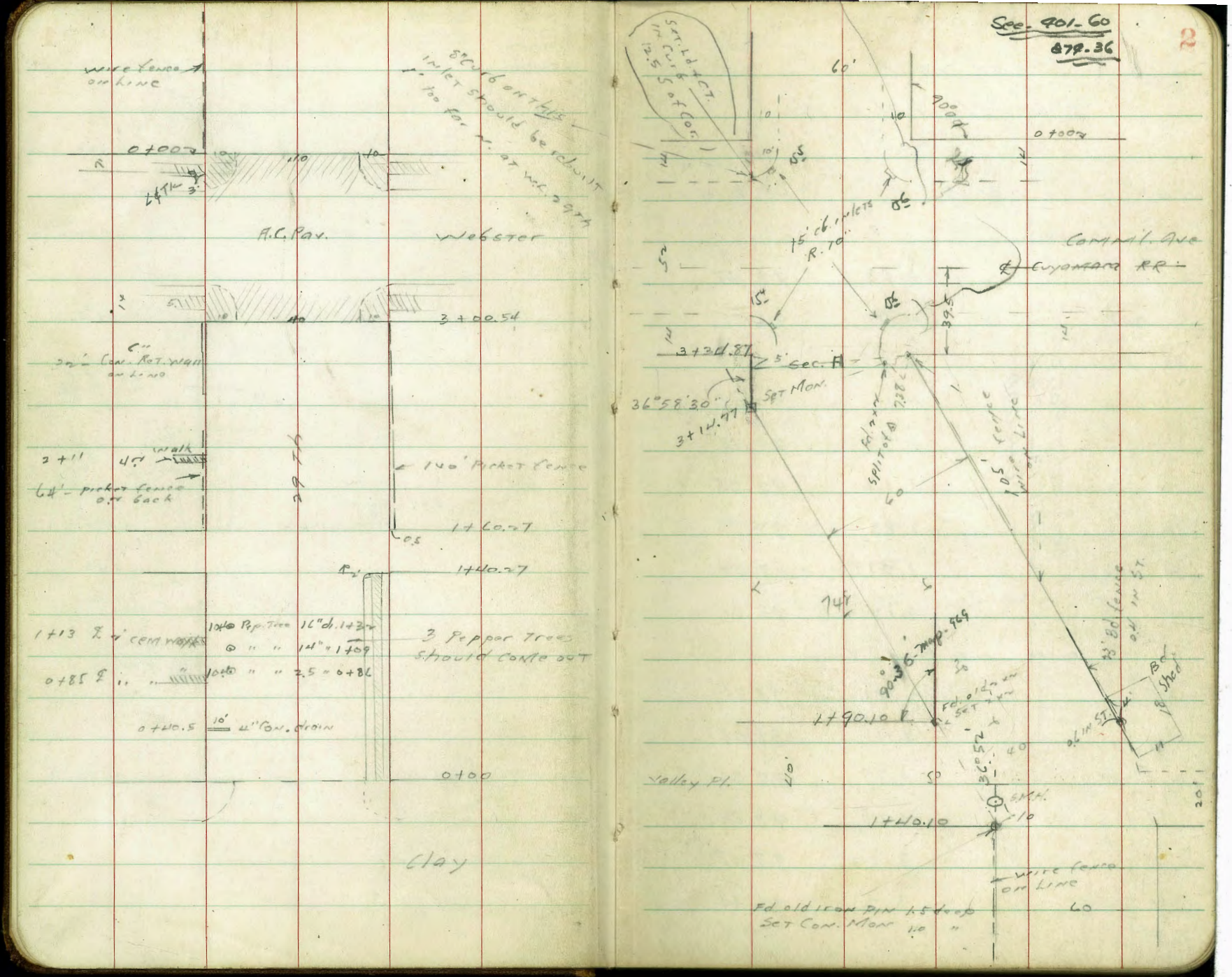
60' wide
10' curbs
10' 1/2's

Ocean View Blvd. to Imperial Ave.



Sec. 401-60
878.36

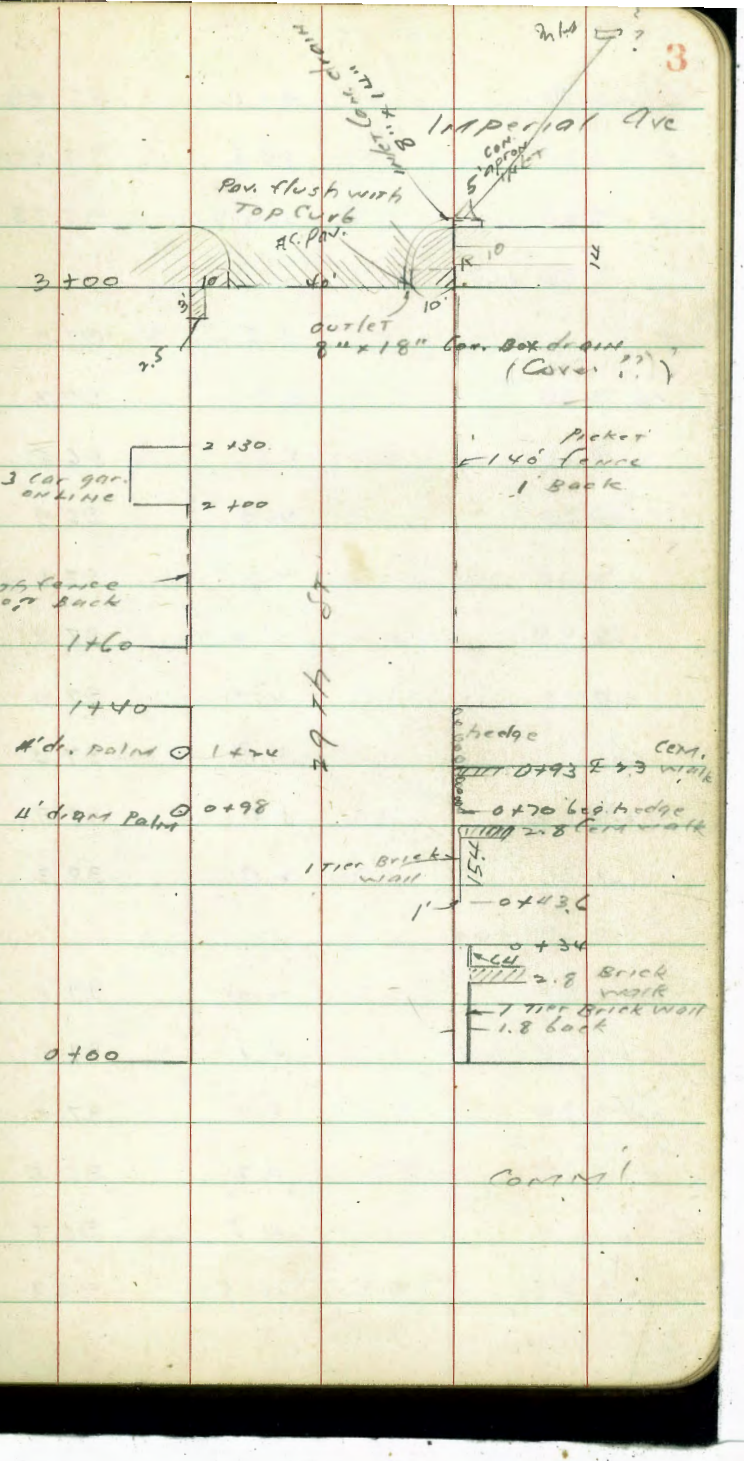


X sec of 29th

Ocean View Blvd nly.

| | | | | |
|---|---|---|---|---|
| NEBP | 3.70 | 101.15 | 97.45 | 29th and Ocean View |
| | 0-1x | | | |
| E cb | | 3.68 | 97.47 | |
| E gut | | 4.40 | 96.75 | |
| cb pav. | | 4.25 | 96.90 | |
| 1/4 " | | 4.11 | 97.04 | |
| c " | | 3.97 | 97.18 | |
| 1/4 " | | 3.89 | 97.26 | |
| cb " | | 3.83 | 97.32 | |
| W gut | | 3.81 | 97.34 | |
| W cb | | 3.14 | 98.01 | |
| | 0+00 | N/L Ocean View | | |
| W | | 2.84 | 98.31 | |
| cb | | 3.11 | 98.04 | |
| gut pav | | 3.79 | 97.36 | |
| 1/4 " | | 3.65 | 97.50 | |
| c " | | 3.57 | 97.58 | |
| 1/4 " | | 3.71 | 97.44 | |

Reduced & Plotted Jan 13-1942 CBHough



| | | | |
|---|---|---|---|
| | 101.15 | | |
| E out pav | 4.1 | 96.99 | |
| E c6 | 3.5 | 97.50 | |
| E | 3.4 | 97.73 | |
| 0+50 | | | |
| E | 3.5 | 97.7 | |
| c6 | 3.9 | 97.3 | |
| +1 | 4.6 | 96.6 | |
| 1/4 | 4.3 | 96.9 | |
| c | 4.1 | 97.1 | |
| 1/4 | 4.0 | 97.2 | |
| +9 | 4.2 | 97.0 | |
| c6 | 3.8 | 97.4 | |
| +7 | 3.5 | 97.7 | |
| w | 2.9 | 98.3 | |
| 1+00 | | | |
| w | 2.2 | 99.0 | |
| +2 | 3.7 | 97.5 | |
| c6 | 4.2 | 97.0 | |
| +1 | 4.7 | 96.5 | |
| 1/4 | 4.5 | 96.7 | |
| c | 4.5 | 96.7 | |

| | | | |
|---|---|---|---|
| | 101.15 | | |
| 1/4 | | 4.7 | 96.5 |
| +9 | | 5.1 | 96.1 |
| c6 | | 4.4 | 96.8 |
| E | | 3.6 | 97.6 |
| 1+38 | | | |
| E | | 4.3 | 96.9 |
| c6 | | 5.3 | 95.9 |
| +2 | | 5.6 | 95.6 |
| w 1/4 +9 | | 5.0 | 96.2 |
| w c6 | | 4.0 | 97.2 |
| w | | 3.5 | 97.7 |
| 1+40.2 | | | |
| w | | 3.8 | 97.4 |
| c6 | | 5.1 | 96.1 |
| 1/4 | | 5.2 | 96.0 |
| c | | 5.2 | 96.0 |
| 1/4 | | 5.4 | 95.8 |
| c6 | | 5.5 | 95.7 |
| E | | 4.6 | 96.6 |
| 1+60 | | | |
| E | | 4.8 | 96.4 |

| | | | | |
|---|---|---|---|---|
| | | 101.15 | | |
| E +9 | | 5.4 | 95.8 | |
| c6 | | 6.4 | 94.8 | |
| 1/4 | | 5.1 | 95.1 | |
| c | | 5.8 | 95.4 | |
| 1/4 | | 5.8 | 95.4 | |
| +9 | | 6.0 | 95.2 | |
| c6 | | 5.0 | 96.2 | |
| W | | 3.8 | 97.4 | |
| | 1+Co.rd | | | |
| E | alley Ret. | 4.8rd | 96.33 | |
| c6 | | 5.36 | 95.79 | |
| 9UT | | 6.4 | 94.8 | |
| | 2+00 | | | |
| E | | 6.77 | 94.38 | |
| c6 | | 7.13 | 94.02 | |
| 9UT | | 8.4 | 92.8 | |
| 1/4 | | 7.9 | 93.3 | |
| c | | 7.7 | 93.5 | |
| 1/4 | | 7.7 | 93.5 | |
| +9 | | 8.1 | 93.1 | |
| c6 | | 6.3 | 94.9 | |

| | | | | |
|---|---|---|---|---|
| | | 101.15 | | |
| W | | 6.0 | 95.2 | |
| | 2+50 | | | |
| W | | 8.3 | 92.9 | |
| c6 | | 8.9 | 92.3 | |
| +1 | | 10.5 | 90.7 | |
| 1/4 | | 10.3 | 90.9 | |
| c | | 10.5 | 90.7 | |
| 1/4 | | 10.8 | 90.4 | |
| 9UT | | 11.1 | 90.1 | |
| c6 | | 9.83 | 91.32 | |
| E | | 9.5C | 91.59 | |
| | 3+00.40 | SL Franklin | | |
| E | | 12.16 | 88.99 | |
| c6 | | 12.45 | 88.70 | |
| 9UT | Pav | 13.01 | 88.14 | |
| 1/4 | | 12.57 | 88.63 | |
| c | | 12.20 | 88.95 | |
| 1/4 | | 12.11 | 89.04 | |
| 9UT | | 12.16 | 88.99 | |
| c6 | | 11.26 | 89.79 | |
| W | | 11.2 | 90.0 | |

| | | | | | |
|---|---|---|---|---|---|
| | | 101.15 | | | |
| T.P. | 205 | 91.29 | 11.91 | 89.24 | |
| SL+20 = S cb Franklin | | | | | |
| -10 | cb | | 1.99 | 89.30 | |
| -10 | gut | | 2.84 | 88.45 | |
| W | pav | | 2.96 | 88.33 | |
| cb | " | | 2.90 | 88.39 | |
| 1/4 | " | | 2.93 | 88.36 | |
| c | " | | 3.03 | 88.26 | |
| 1/4 | " | | 3.37 | 87.92 | |
| cb | " | | 3.86 | 87.43 | |
| E | " | | 4.33 | 86.96 | |
| +10 | gut | | 4.48 | 86.81 | |
| +10 | cb | | 3.62 | 87.67 | |
| 0-20 = N cb Franklin | | | | | |
| -10 | cb | | 4.94 | 86.35 | |
| -10 | gut | | 5.49 | 85.80 | |
| E | pav | | 5.42 | 85.87 | |
| cb | " | | 5.11 | 86.18 | |
| 1/4 | " | | 4.65 | 86.64 | |
| c | " | | 4.40 | 86.89 | |



| | | | | | |
|---|---|---|---|---|---|
| | | 91.29 | | | |
| 1/4 | pav | | 4.20 | 87.09 | |
| cb | " | | 4.10 | 87.19 | |
| W | " | | 4.04 | 87.25 | |
| +10 | gut | | 3.81 | 87.48 | |
| +10 | cb | | 3.25 | 88.04 | |
| | 0+00 | N L Franklin | | | |
| W | | | 4.1 | 87.2 | |
| cb | | | 4.09 | 87.20 | |
| gut | pav | | 4.94 | 86.35 | |
| 1/4 | " | | 4.80 | 86.49 | |
| c | " | | 4.85 | 86.44 | |
| 1/4 | " | | 5.21 | 86.08 | |
| gut | " | | 5.72 | 85.57 | |
| cb | | | 5.29 | 86.00 | |
| E | | | 5.1 | 86.2 | |
| | 0+50 | | | | |
| E | | | 6.3 | 85.0 | |
| cb | | | 7.3 | 84.0 | |
| +W | | | 8.0 | 83.3 | |
| 1/4 | | | 7.7 | 83.6 | |
| c | | | 7.5 | 83.8 | |

91.~9

| | | | | |
|---|---|---|---|---|
| 1/4 | | | 7.3 | 84.0 |
| +7 | | | 7.5 | 83.8 |
| c6 | | | 6.0 | 85.3 |
| W/ | | | 5.8 | 85.5 |
| | 1+00 | | | |
| W | | | 7.3 | 84.0 |
| c6 | | | 7.~ | 84.1 |
| +3 | | | 8.9 | 82.4 |
| 1/4 | | | 8.8 | 82.5 |
| C | | | 8.9 | 82.4 |
| 1/4 | | | 9.1 | 82.2 |
| +3 | | | 9.~ | 82.1 |
| c6 | | | 8.7 | 82.6 |
| E | | | 8.0 | 83.3 |
| | 1+05 | | | |
| E+0.5 E 8" | | Conc. drive | 8.30 | 82.99 ✓ |
| | 1+37 | | | |
| W | | | 8.3 | 83.0 |
| c6 | | | 8.4 | 82.9 |
| +4 | | | 9.7 | 81.6 |
| | 1+40.30 | | | |
| E | | | 9.4 | 81.9 |

91.~9

7

| | | | |
|---|---|---|---|
| c6 | | 9.4 | 81.9 |
| +3 | | 9.8 | 81.5 |
| 1/4 | | 9.9 | 81.4 |
| C | | 10.3 | 81.0 |
| 1/4 | | 10.~ | 81.1 |
| c6 | | 9.4 | 81.9 |
| W | | 8.8 | 82.5 |
| | 1+50 | | |
| W | RIM M.H. | 8.6~ | 82.65 ~ |
| | 1+C0.30 | | |
| W | Alley Ret | 8.73 | 82.56 |
| W/ | OUT dirt | 9.1 | 82.2 |
| c6 | Top | 9.00 | 82.29 |
| OUT | | 10.~ | 81.1 |
| 1/4 | | 10.7 | 80.6 |
| C | | 10.7 | 80.6 |
| 1/4 | | 10.3 | 81.0 |
| OUT | | 9.8 | 81.5 |
| c6 | Top | 9.56 | 81.73 |
| E | Top Ret | 9.30 | 81.99 |
| E | dirt | 9.4 | 81.9 |

| | | | | |
|---|---|---|---|---|
| | | 91.29 | | |
| | 2+00 | | | |
| E | | | 10.6 | 80.7 |
| cb | | | 10.57 | 80.72 |
| gut | | | 11.9 | 79.4 |
| 1/4 | | | 11.9 | 79.4 |
| c | | | 11.6 | 79.7 |
| 1/4 | | | 11.2 | 80.1 |
| gut | | | 11.0 | 80.3 |
| cb | | | 10.22 | 81.07 |
| W | | | 10.05 | 81.24 |
| T.P. | 2.56 | 81.84 | 12.01 | 79.28 |
| | 2+50 | | | |
| W | | | 2.06 | 79.78 |
| cb | | | 2.29 | 79.55 |
| gut | | | 3.2 | 78.6 |
| 1/4 | | | 3.2 | 78.6 |
| c | | | 3.3 | 78.5 |
| 1/4 | | | 3.4 | 78.4 |
| gut | | | 3.5 | 78.3 |
| cb | | | 2.43 | 79.41 |
| E | | | 2.3 | 79.5 |

| | | | |
|---|---|---|---|
| | | 81.84 | |
| | 2+51 4" drain through cb | | |
| E cb | | 2.46 | 79.38 |
| F.L. outlet | | 3.36 | 78.48 |
| | 3+00.6 SL clay | | |
| E | | 3.5 | 78.3 |
| cb | | 3.78 | 78.06 |
| gut Pav | | 4.36 | 77.48 |
| 1/4 " | | 4.01 | 77.83 |
| c " | | 3.88 | 77.96 |
| 1/4 " | | 3.97 | 77.87 |
| gut " | | 4.27 | 77.57 |
| cb | | 3.83 | 78.01 |
| W | | 3.53 | 78.31 |
| | SL+12 5cb clay | | |
| W cb | | 3.84 | 78.00 |
| W gut pav | | 4.45 | 77.39 |
| cb " | | 4.28 | 77.56 |
| 1/4 " | | 4.13 | 77.71 |
| c " | | 4.07 | 77.77 |
| 1/4 " | | 4.14 | 77.70 |
| cb " | | 4.27 | 77.57 |
| E gut " | | 4.44 | 77.40 |
| E cb | | 3.81 | 78.03 |

| | | | | | |
|---|---|---|---|---|---|
| Found | | 81.84 | | | |
| check to SEBP 29th + Clay | | | 3.81 | 78.03 | |
| | 0-14 N cb Clay | | | | |
| E cb | | | 4.78 | 77.06 | |
| E gut | Pav | | 5.36 | 76.48 | |
| cb | " | | 5.08 | 76.76 | |
| 1/4 | " | | 4.92 | 76.92 | |
| c | " | | 4.82 | 77.02 | |
| 1/4 | " | | 4.92 | 76.92 | |
| cb | " | | 5.14 | 76.60 | |
| W gut | " | | 5.38 | 76.46 | |
| W cb | | | 4.85 | 76.99 | |
| | 0+00 NL Clay | | | | |
| W | | | 4.52 | 77.32 | |
| cb | | | 4.83 | 77.01 | |
| gut | Pav | | 5.45 | 76.39 | |
| 1/4 | " | | 5.14 | 76.70 | |
| c | " | | 4.98 | 76.86 | |
| 1/4 | " | | 5.12 | 76.72 | |
| gut | " | | 5.38 | 76.46 | |
| cb | | | 4.85 | 76.99 | |
| E | | | 4.54 | 77.30 | |



| | | | | | |
|---|---|---|---|---|---|
| | | 81.84 | | | |
| | 0+40.5 | | | | 75.44 F.L. 4" Con. pipe drain |
| W cb | | | 6.40 | | |
| | 0+50 | | | | |
| E | | | 5.6 | 76.2 | |
| cb | | | 5.97 | 75.87 | |
| gut | | | 7.2 | 74.6 | |
| 1/4 | | | 6.9 | 74.9 | |
| c | | | 6.7 | 75.1 | |
| 1/4 | | | 6.7 | 75.1 | |
| gut + curb | | | 6.4 | 75.4 | |
| W | | | 6.0 | 75.8 | |
| T.P. | 141 | 76.09 | 7.16 | 74.68 | |
| | 0+85 | | | | |
| W | ℄ of 2' cem walk | | 0.94 | 75.15 | |
| | 1+00 | | | | |
| W | | | 1.3 | 74.8 | |
| cb | | | 1.6 | 74.5 | |
| 1/4 | | | 2.2 | 73.9 | |
| c | | | 2.3 | 73.8 | |
| 1/4 | | | 2.3 | 73.8 | |
| E gut | | | 2.7 | 73.4 | |

| | | | | |
|---|---|---|---|---|
| | | 76.09 | | |
| E cb | | | 1.44 | 74.65 |
| E | | | 1.2 | 74.9 |
| | 1+13 | | | |
| W ℄ 2' cent walk | | | 1.30 | 74.79 |
| | 1+40.27 | | | |
| EL cb alley Ret | | | 2.00 | 74.09 |
| EL gut | | | 2.6 | 73.5 |
| E cb | | | 2.30 | 73.79 |
| gut | | | 3.0 | 73.1 |
| 1/4 | | | 3.5 | 72.6 |
| c | | | 3.5 | 72.6 |
| 1/4 | | | 3.1 | 73.0 |
| cb | | | 2.5 | 73.6 |
| W | | | 2.2 | 73.9 |
| | 1+50 | | | |
| W Rim M.H. | | | 2.05 | 74.04 ✓ |
| | 1+60.27 | | | |
| W | | | 2.7 | 73.4 |
| cb | | | 3.3 | 72.8 |
| 1/4 | | | 3.7 | 72.4 |
| c | | | 3.9 | 72.2 |

| | | | | |
|---|---|---|---|---|
| | | 76.09 | | |
| 1/4 | | | 4.1 | 72.0 |
| cb | | | 3.6 | 72.5 |
| E | | | 2.7 | 73.4 |
| | 2+00 | | | |
| E | | | 3.5 | 72.6 |
| cb | | | 4.2 | 71.9 |
| +2 | | | 4.7 | 71.4 |
| 1/4 | | | 4.8 | 71.3 |
| c | | | 4.7 | 71.4 |
| 1/4 | | | 4.7 | 71.4 |
| cb | | | 4.4 | 71.7 |
| W | | | 3.5 | 72.6 |
| | 2+11 | | | |
| W ℄ 4.2 Cent walk | | | 3.47 | 72.62 ✓ |
| | 2+50 | | | |
| W nb of 5.2 wide Cent walk | | | 4.02 | 72.07 |
| +1 | | | 4.9 | 71.2 |
| cb | | | 5.5 | 70.6 |
| 1/4 | | | 5.6 | 70.5 |
| c | | | 5.4 | 70.7 |
| 1/4 | | | 5.5 | 70.6 |

| | | | | | |
|---|---|---|---|---|---|
| | | 76.09 | | | |
| 1/4 + 5 | | | 5.6 | 70.5 | |
| cb | | | 5.1 | 71.0 | |
| E | | | 4.4 | 71.7 | |
| | 3+00.54 SL Webster Ave | | | | |
| E | | | 5.76 | 70.33 | |
| cb | | | 5.94 | 70.15 | |
| gut | Pav | | 6.54 | 69.55 | |
| 1/4 | " | | 6.56 | 69.53 | |
| c | " | | 6.46 | 69.63 | |
| 1/4 | " | | 6.62 | 69.47 | |
| gut | " | | 6.91 | 69.18 | |
| cb | | | 6.32 | 69.77 | |
| W | | | 6.16 | 69.93 | |
| T.P. Ld. C.T. N.W. 10' RP | 5.86 | 75.02 | 6.93 | 69.16 | 29th Webster |
| | S.L. +14 S cb Webster | | | | |
| wh cb | | | 5.33 | 69.69 | |
| wh gut | | | 5.96 | 69.06 | |
| cb | Pav | | 5.90 | 69.12 | |
| 1/4 | " | | 5.85 | 69.17 | |

| | | | | | |
|---|---|---|---|---|---|
| | | 75.02 | | | |
| c | Pav | | 5.81 | 69.21 | |
| 1/4 | " | | 5.78 | 69.24 | |
| cb | " | | 5.67 | 69.35 | |
| Eh | gut | | 5.54 | 69.48 | |
| Eh | cb | | 4.84 | 70.18 | |
| | 0+14 N cb Webster | | | | |
| Eh | cb | | 5.47 | 69.55 | |
| " | gut | | 6.01 | 69.01 | |
| cb | Pav | | 6.16 | 68.86 | |
| 1/4 | " | | 6.30 | 68.72 | |
| c | " | | 6.36 | 68.66 | |
| 1/4 | " | | 6.42 | 68.60 | |
| cb | " | | 6.46 | 68.56 | |
| wh | gut | | 6.58 | 68.44 | |
| " | cb | | 5.96 | 69.06 | |
| | 0+00 N L Webster | | | | |
| W | | | 5.64 | 69.38 | |
| cb | | | 5.85 | 69.17 | |
| gut | Pav | | 6.43 | 68.59 | |
| 1/4 | " | | 6.18 | 68.84 | |
| c | " | | 5.97 | 69.05 | |

| | | | | |
|---|---|---|---|---|
| | | 750N | | |
| 1/4 | Pav. | | 5.98 | 69.04 |
| qut | " | | 6.07 | 68.95 |
| cb | | | 5.43 | 69.59 |
| E | | | 5.33 | 69.69 |
| | 0+50 | | | |
| E | | | 4.6 | 70.4 |
| +9 | | | 5.2 | 69.8 |
| cb | | | 5.7 | 69.3 |
| 1/4 | | | 5.9 | 69.1 |
| c | | | 6.0 | 69.0 |
| 1/4 | | | 5.9 | 69.1 |
| cb | | | 5.7 | 69.3 |
| W | | | 5.0 | 70.0 |
| | 1+00 | | | |
| W | | | 4.6 | 70.4 |
| cb | | | 5.4 | 69.6 |
| 1/4 | | | 5.5 | 69.5 |
| c | | | 5.2 | 69.8 |
| 1/4 | | | 5.0 | 70.0 |
| cb | | | 4.9 | 70.1 |
| +1 | | | 4.4 | 70.6 |

| | | | | |
|---|---|---|---|---|
| | | 750N | | |
| E | | | 4.2 | 70.8 |
| | 1+40.1 | SL | Valley | Pl. = Δ 36°52' Lt. |
| E | | | 4.0 | 71.0 |
| cb | | | 4.4 | 70.6 |
| 1/4 | | | 4.6 | 70.4 |
| c | | | 4.7 | 70.3 |
| 1/4 | | | 5.0 | 70.0 |
| cb | | | 5.1 | 69.9 |
| +2 | | | 4.4 | 70.6 |
| W | | | 4.3 | 70.7 |
| | E. Valley Pl. ∥ Parallel | | | |
| 1/4 | | | 5.0 | 70.0 |
| cb | | | 5.1 | 69.9 |
| 1/4 | | | 5.3 | 69.7 |
| c | | | 4.9 | 70.1 |
| 1/4 | | | 4.6 | 70.4 |
| c | | | 4.4 | 70.6 |
| E | | | 4.5 | 70.5 |
| | 1+90.1 | NL | Valley & W ∥ | Parallel |
| E | | | 4.1 | 70.9 |
| cb | | | 4.3 | 70.7 |

| | | | | |
|---|---|---|---|---|
| | | 75.02 | | |
| 1/4 | | | 4.7 | 70.3 |
| c | | | 4.8 | 70.2 |
| 1/4 | | | 5.2 | 69.8 |
| cb | | | 5.1 | 69.9 |
| w | | | 4.7 | 70.3 |
| | 1+90.1 | at 90° with 29th | | |
| w | | | 4.7 | 70.3 |
| +9 | | | 4.7 | 70.3 |
| cb | | | 5.3 | 69.7 |
| 1/4 | | | 5.2 | 69.8 |
| c | | | 5.3 | 69.7 |
| 1/4 | | | 5.0 | 70.0 |
| cb | | | 4.7 | 70.3 |
| E | | | 4.0 | 71.0 |
| | 2+50 | at 90° | | |
| E | | | 4.7 | 70.3 |
| cb | | | 5.0 | 70.0 |
| 1/4 | | | 5.3 | 69.7 |
| c | | | 5.6 | 69.4 |
| 1/4 | | | 5.5 | 69.5 |
| cb | | | 5.5 | 69.5 |

| | | | | |
|---|---|---|---|---|
| | | 75.02 | | |
| +2 | | | 5.1 | 69.9 |
| w | | | 4.8 | 70.2 |
| | 3+14.77 = Δ | | 36° 58' 30" RT. | Section on split of Δ |
| w | | | 4.8 | 70.2 |
| cb | | | 5.1 | 69.9 |
| 1/4 | | | 6.3 | 68.7 |
| c | | | 5.9 | 69.1 |
| 1/4 | | | 6.6 | 68.4 |
| +9 | | | 6.7 | 68.3 |
| cb | | | 6.2 | 68.8 |
| E | | | 6.0 | 69.0 = Δ PT. |
| | Sec. A | P2 | | |
| E | | | 6.0 | 69.0 |
| +9 | | | 6.0 | 69.0 |
| cb | | | 6.5 | 68.5 |
| +2 | | | 7.0 | 68.0 |
| 1/4 | | | 6.7 | 68.3 |
| c | | | 6.2 | 68.8 |
| 1/4 | | | 6.5 | 68.5 |
| +5 | | | 6.6 | 68.4 |
| cb | | | 4.8 | 70.2 |
| w | | | 5.2 | 69.8 |

75.02

S + 34.87
~~S + 38.87~~ S.L Comm'l = 80' wide 14' cbs

| | | | | | |
|---|---|---|---|---|---|
| W | | | 6.3 | 68.7 | |
| cb | | | 6.5 | 68.5 | |
| 1/4 | | | 6.5 | 68.5 | |
| c | | | 6.2 | 68.8 | |
| 1/4 | | | 6.8 | 68.2 | |
| +8 | | | 6.9 | 68.1 | |
| cb | | | 6.2 | 68.8 | |
| E | | | 6.0 | 69.0 | |
| T.P. Ld. C.T. 12.5 S. of NW Cor. | 5.13 | 74.24 | 5.91 | 69.11 | 29th & Comm'l. |

S cb Comm'l.

| | | | | | |
|---|---|---|---|---|---|
| E | | | 6.3 | 67.9 | |
| cb | | | 6.3 | 67.9 | |
| 1/4 | | | 6.1 | 68.1 | |
| c | | | 5.7 | 68.5 | |
| 1/4 | | | 5.6 | 68.6 | |
| cb | | | 6.5 | 67.7 | |
| W | | | 6.3 | 67.9 | |

74.24

S cb + 2

| | | | | | |
|---|---|---|---|---|---|
| W | | | 6.6 | 67.6 | |
| cb | | | 6.3 | 67.9 | |
| 1/4 | | | 5.6 | 68.6 | |
| c | | | 5.7 | 68.5 | |
| 1/4 | | | 6.0 | 68.2 | |
| cb | | | 6.4 | 67.8 | |
| E | | | 6.3 | 67.9 | |

E. Comm'l.

| | | | | | |
|---|---|---|---|---|---|
| E | S | rail | 5.38 | 68.86 | |
| E | N | " | 5.34 | 68.90 | |
| C | S | " | 5.52 | 68.72 | |
| C | N | " | 5.52 | 68.72 | |
| W | S | " | 5.61 | 68.63 | |
| W | N | " | 5.63 | 68.61 | |

E. + 20

| | | | | | |
|---|---|---|---|---|---|
| W | | | 6.0 | 68.2 | |
| cb | | | 6.0 | 68.2 | |
| 1/4 | | | 5.5 | 68.7 | |
| c | | | 5.5 | 68.7 | |
| 1/4 | | | 5.6 | 68.6 | |

74.24

| | | | |
|---|---|---|---|
| cb | | 5.9 | 68.3 |
| E | | 5.9 | 68.3 |
| N cb Comm'l | | | |
| E | | 5.7 | 69.0 |
| cb | | 5.9 | 68.3 |
| 1/4 | | 5.5 | 68.7 |
| c | | 5.4 | 68.8 |
| 1/4 | | 5.5 | 68.7 |
| cb | | 6.0 | 68.2 |
| NW | | 5.7 | 69.0 |
| N L Comm'l = 0+00 | | | |
| W | | 4.5 | 69.7 |
| cb | | 4.7 | 69.5 |
| +W | | 5.8 | 68.4 |
| 1/4 | | 5.3 | 68.9 |
| c | | 5.7 | 69.0 |
| 1/4 | | 5.4 | 68.8 |
| +9 | | 5.7 | 68.5 |
| cb | | 4.7 | 69.5 |
| E | | 4.4 | 69.8 |

74.24

| | | |
|---|---|---|
| cb inlet NE Cor Comm'l & 49th | | |
| E Top | 5.07 | 69.22 curb Level |
| " grate | 6.00 | 68.24 |
| cb. inlet NW Cor | | |
| E Top | 5.17 | 69.07 |
| both ends cb | 5.11 | 69.13 |
| grate | 6.14 | 68.10 |
| cb. inlet SW Cor | | |
| W Top cb | 5.75 | 68.49 |
| S " " | 5.78 | 68.46 |
| E " " | 5.81 | 68.43 |
| grate | 6.77 | 67.47 |
| cb inlet SE Cor | | |
| E Top cb | 5.50 | 68.74 |
| both ends " | 5.47 | 68.77 |
| grate | 6.46 | 67.78 |
| 0+04 | | |
| E | 4.1 | 70.1 |
| cb | 4.3 | 69.9 |
| +1 | 5.6 | 68.6 |
| 1/4 | 5.3 | 68.9 |

74.24

| | | | |
|---|---|---|---|
| c | | 5.1 | 69.1 |
| 1/4 | | 5.3 | 68.9 |
| +7 | | 5.7 | 68.5 |
| cb | | 5.0 | 69.2 |
| +7 | | 4.5 | 69.7 |
| W | | 4.3 | 69.9 |
| | 0+26.7 | | |
| E - 1.8 | Brick walk | 3.43 | 70.81 |
| | 0+50 | | |
| E | | 3.6 | 70.6 |
| +8 | | 4.1 | 70.1 |
| cb | | 4.7 | 69.5 |
| 1/4 | | 4.6 | 69.6 |
| c | | 4.6 | 69.6 |
| 1/4 | | 4.8 | 69.4 |
| +9 | | 5.0 | 69.2 |
| cb | | 4.4 | 69.8 |
| W | | 3.8 | 70.4 |
| | 0+66.4 | | |
| E - 0.8 | Cent Walk | 2.77 | 71.47 |

74.24

| | | | |
|---|---|---|---|
| | 0+93 | | |
| E - 0.8 | Cent Walk | 2.20 | 71.94 |
| | 1+00 | | |
| W | | 3.5 | 70.7 |
| cb | | 4.2 | 70.0 |
| +7 | | 4.7 | 69.5 |
| 1/4 | | 4.5 | 69.7 |
| c | | 4.4 | 69.8 |
| 1/4 | | 4.5 | 69.7 |
| cb | | 4.6 | 69.6 |
| +8 | | 3.7 | 70.5 |
| E | | 3.3 | 70.9 |
| | 1+50 | | |
| E | | 3.5 | 70.7 |
| +8 | | 3.7 | 70.5 |
| cb | | 4.4 | 69.8 |
| 1/4 | | 3.9 | 70.3 |
| c | | 3.7 | 70.5 |
| 1/4 | | 4.0 | 70.2 |
| +7 | | 4.3 | 69.9 |
| cb | | 3.5 | 70.7 |
| W | | 3.4 | 70.8 |

| | | | | | |
|---|---|---|---|---|---|
| | | 74.24 | | | |
| | 2+00 | | - | | |
| w | | | 3.1 | 71.1 | |
| cb | | | 3.3 | 70.9 | |
| +2 | | | 3.8 | 70.4 | |
| 1/4 | | | 3.6 | 70.6 | |
| c | | | 3.5 | 70.7 | |
| 1/4 | | | 3.6 | 70.6 | |
| +9 | | | 4.1 | 70.1 | |
| cb | | | 3.4 | 70.8 | |
| E | | | 3.0 | 71.2 | |
| | 2+50 | | | | |
| E | | | 2.8 | 71.4 | |
| +9 | | | 3.2 | 71.0 | |
| cb | | | 3.8 | 70.4 | |
| 1/4 | | | 3.5 | 70.7 | |
| c | | | 3.4 | 70.8 | |
| 1/4 | | | 3.5 | 70.7 | |
| cb | | | 3.2 | 71.0 | |
| w | | | 2.8 | 71.4 | |
| +0.2 SL 2 Story Frame Store | | | | | |



| | | | | | |
|---|---|---|---|---|---|
| | | 74.24 | | | |
| T.P | 5.10 | 76.32 | 3.02 | 71.22 | |
| | 2+97 | | | | |
| w | | | 4.2 | 72.1 | |
| cb | | | 4.6 | 71.7 | |
| +1 | | | 5.2 | 71.1 | |
| 1/4 | | | 4.8 | 71.5 | |
| c | | | 4.6 | 71.7 | |
| 1/4 | | | 4.8 | 71.5 | |
| +8 | | | 4.9 | 71.4 | |
| +8.5 | | | 6.0 | 70.3 | |
| +9.5 | | | 6.0 | 70.3 | |
| cb | | | 5.2 | 71.1 | |
| E | | | 4.7 | 71.6 | |
| | 3+00 SL Imp. avc | | | | |
| E | | | 4.46 | 71.86 | |
| cb - gut + Pav. | | | 4.76 | 71.56 | |
| +0.75 F.L. of drain | | | 6.22 | 70.10 outlet | |
| 1/4 | Pav | | 4.67 | 71.65 | |
| c | " | | 4.63 | 71.69 | |
| 1/4 | " | | 4.60 | 71.72 | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 76.37 | | | Fd. BM. BP in Curb | | 76.37 | | | 79th & |
| gut | | | 4.88 | 71.44 | SW Cor IP | 7.84 | 79.64 | 4.37 | 72.10 | Imperial |
| w/ c6 | | | 4.37 | 22.09 | | | | | | |
| w | | | 3.87 | 22.50 | SE BP check to 79th & L | 57. | 7.97 | 76.97 | 76.97 | |
| | 5. c6. of Imp. | | | | | | | | | 0.05 |
| w/ c6 | | | 4.37 | 22.04 | | | | | | |
| " | gut | | 4.71 | 71.61 | | | | | | |
| c6 | pav | | 4.53 | 71.79 | | | | | | |
| 1/4 | " | | 4.37 | 72.09 | | | | | | |
| c | " | | 4.37 | 72.04 | | | | | | |
| 1/4 | " | | 4.40 | 71.92 | | | | | | |
| c6 | " | | 4.67 | 71.70 | | | | | | |
| E.L. | Top pav | | 4.77 | 71.60 | | | | | | |
| " | " c6 | | 4.77 | 21.60 | | | | | | |
| " | Fd. inlet drain | | 5.99 | 70.33 | | | | | | |
| +5 | " conc apron | | 5.70 | 70.62 | | | | | | |
| " | Top c6 | | 4.75 | 71.57 | | | | | | |

Indexed
C.S.K.

alley Xsec of Blk L, Plumosa Park

all alleys = 20' wide

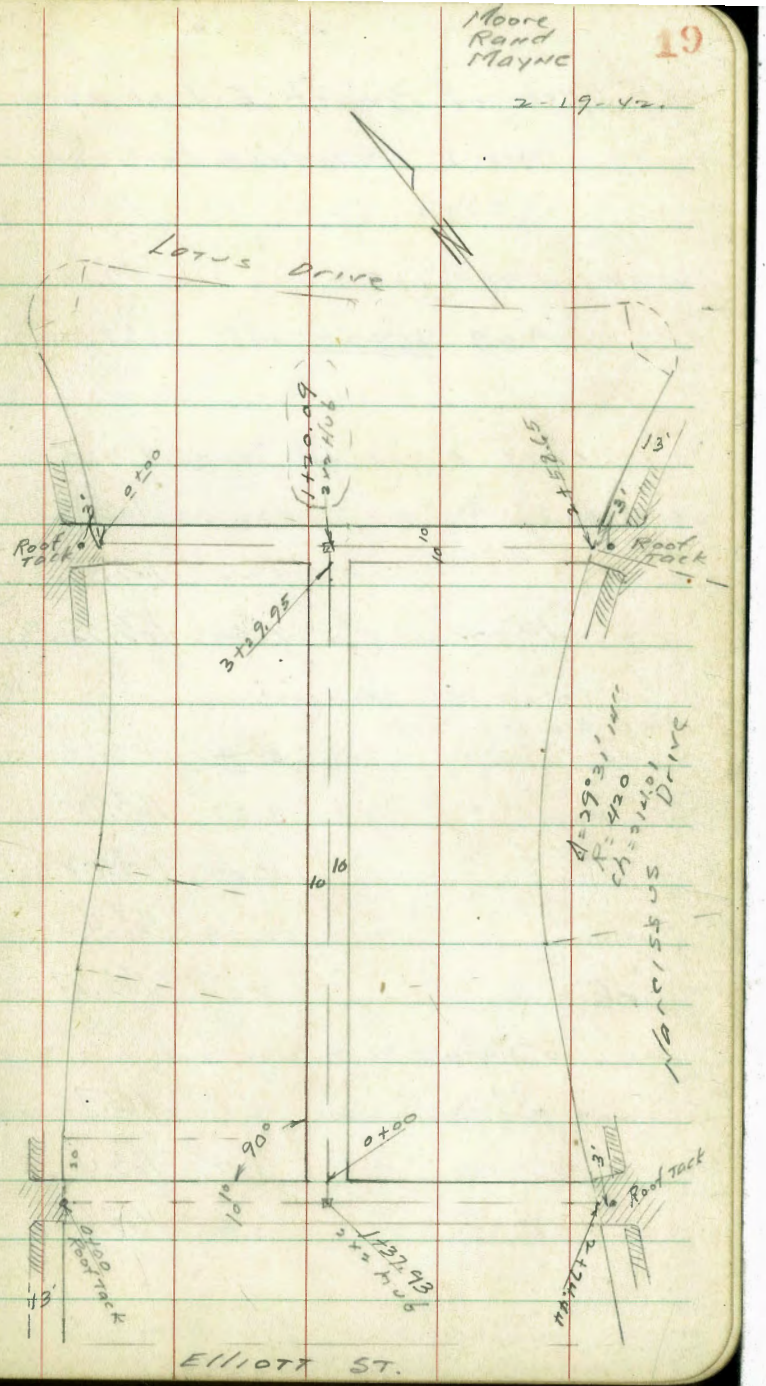
℄ Sta.

Δ = 21°20'51"
R = 470
ch = 174.08

Moore
Rand
Mayne



2-19-42.



9 Xsec of South, E & W alley

Blk L Plumosa Park

| | | | | | |
|---|---|---|---|---|---|
| SW BP | 1.97 | 159.11 | | 157.14 | Elliott Narcissus |
| T.P. | 9.29 | 167.29 | 1.11 | 158.00 | |
| | 0-13 E gut on Jonquil | | | | |
| S | Pav. | | 4.33 | 162.96 | |
| C | " | | 4.22 | 163.07 | |
| N | " | | 3.96 | 163.33 | |
| | 0+0 Ely Jonquil | | | | |
| N-1 | Beg. Eug. hedge | | | | |
| N cb | | | 3.19 | 164.10 | |
| N | Pav. | | 3.57 | 163.72 | |
| C | " | | 4.07 | 163.22 | |
| S | " | | 3.89 | 163.40 | |
| S cb | | | 3.62 | 163.67 | |
| | 0+20 | | | | |
| S +0.07 | Beg. Stuccowall | | 3.6 | 163.7 | 0.07 in alley |
| C | | | 3.9 | 163.4 | |
| N | | | 3.7 | 163.6 | |

Red. & Plotted 2/24/42 (W)

167.29

| | | | | |
|---|---|---|---|---|
| | 0+47.4 | | | |
| N +0.12 | End hedge Beg. Con. Blk wall | 4.5 | 162.8 | 0.12 in alley |
| C | | 4.9 | 162.4 | |
| S | | 4.7 | 162.6 | |
| | 0+59 | | | |
| S +0.5 | 1.2 P.P. | | | |
| | 0+60 | | | |
| S -0.15 | end Stuccowall Wt. Con. apron | 5.39 | 161.90 | 0.15 back |
| | 0+70 | | | |
| S -4 | & do. gar. cem. | 5.43 | 162.06 | |
| S -0.15 | cem. apron | 5.48 | 161.81 | |
| C | | 5.6 | 161.7 | |
| N | | 5.6 | 161.7 | |
| | 0+75 | | | |
| N +0.17 | end Con. Blk wall | | | in alley |
| | 0+76.5 | | | |
| N +0.17 | 3.3 Cem walk | 5.15 | 162.14 | in alley |
| " | ground | 5.6 | 161.7 | |
| C | | 5.9 | 161.4 | |
| S | | 5.6 | 161.7 | |
| S +0.15 | on Cem. apron | 5.53 | 161.76 | |

167.29

| | | | | |
|---|---|---|---|---|
| | 0+80 End apron | | | |
| S −0.15 | Beg. Stucco wall | 5.60 | 161.69 | |
| | 0+84.5 | | | |
| N +0.10 | E 12.3 wide Brick R-66-3th Stand | 5.31 | 161.98 | in alley |
| | 0+90.6 | | | |
| S | | 6.0 | 161.3 | |
| C | | 6.4 | 160.9 | |
| +9.8 | Beg. Picket fence | 5.9 | 161.4 | |
| N +3 | | 5.9 | 161.4 | |
| | 1+00 | | | |
| N −5 | | 9.6 | 157.7 | |
| N | | 6.7 | 160.6 | |
| C | | 6.9 | 160.4 | |
| S | | 6.4 | 160.9 | |
| | 1+04.5 | | | |
| S −0.7 | end Stucco wall | | | Back fence |
| | 1+27.93 W.L. of N+S alley | | | |
| S | | 8.3 | 159.0 | |
| C | | 8.9 | 158.4 | |
| C +9.93 | end picket fence Corner | 9.4 | 157.9 | |

167.29

21

| | | | | |
|---|---|---|---|---|
| | 1+37.93 E alley to N. | | | |
| N | | 9.9 | 157.4 | |
| C | | 9.3 | 158.0 | |
| S | | 8.8 | 158.5 | |
| T.P. | 3.80 | 161.80 | 9.99 | 158.00 |
| | 1+47.93 E.L. alley to N | | | |
| S | | 4.0 | 157.8 | |
| +0.3 | in" P.P. | | | |
| C | | 4.6 | 157.2 | |
| N" | | 5.0 | 156.8 | |
| | 1+50.7 | | | |
| N +0.05 | W.L. Cem apron | 5.48 | 156.32 | 0.05 in alley |
| N −5 | " de gar. Cem | 5.97 | 156.53 | |
| | 1+66 | | | |
| N −5 | E.L. de. gar | 5.97 | 156.53 | |
| N +0.06 | " apron | 5.57 | 156.23 | 0.06 in alley |
| | 1+84 | | | |
| N | | 6.1 | 156.7 | |
| C | | 6.1 | 156.7 | |

161.80

| | | | |
|---|---|---|---|
| S | 5.9 | 155.9 | |
| +46.N & do. gar. Cent | 3.78 | 158.02 | |
| 1+96 | | | |
| N +1.0 & 3' cent walk | 1.63 | 156.17 | 1' in alley |
| 1+98 | | | |
| N' +1' beg. of Evg. hedge | | | |
| 1+93 (Please back up) | | | |
| S on line beg. wire fence | | | |
| 2+27.8 | | | |
| S on line end " fence | 6.9 | 154.9 | |
| S +3 | 7.4 | 154.4 | |
| C | 7.7 | 154.1 | |
| N' | 7.5 | 154.3 | |
| 2+50 | | | |
| N | 8.8 | 153.0 | |
| C | 9.1 | 152.7 | |
| +8 | 8.8 | 153.0 | |
| S | 8.3 | 153.5 | |
| = +74.44 W/ 2 Narcissus | | | |
| S c6 | 9.34 | 152.46 | |
| S gut pav. | 9.93 | 151.87 | |

161.80

| | | |
|---|---|---|
| C pav | 10.49 | 151.31 |
| N " | 10.47 | 151.33 |
| N' c6 | 10.17 | 151.63 |
| N' +1.4 end hedge | | |
| W gut Narcissus DC. | | |
| N' pav | 11.10 | 150.70 |
| S pav. | 10.35 | 151.45 |

Xsec N & S alley Blk L Plumosa Park

161.80

0+0 = N.L. of South E & W alley.

| | | | |
|---|---|---|---|
| W | | 3.8 | 158.0 |
| +0.7 beg. picket fence | Corner | | |
| C | | 4.4 | 157.4 |
| E | | 5.0 | 156.8 |
| 0+05 | | | |
| E -0.4 Sw. Cor garage | | 5.1 | 156.7 |
| C | | 4.7 | 157.1 |
| W | | 4.6 | 157.2 |
| 0+37 | | | |
| W | | 5.2 | 156.6 |
| C | | 5.4 | 156.4 |
| E | | 5.6 | 156.2 |

South entrance

+0.35 N. wall Cor garage & beg. rail fence

0+48.5

W -0.6 end picket fence

161.80

0+54.7

E end rail fence on line

0+55

E +0.10 1 in" P.P.

0+55.4

| | | | |
|---|---|---|---|
| E | | 6.5 | 156.3 |
| C | | 6.4 | 156.4 |
| +9.3 SL Conc. apron | | 5.93 | 155.87 |
| W +4.8 " do. gar. Conc. | | 5.0 | 156.8 |
| 0+7 N | | | |
| W -4.8 N.L. do. gar. | | 4.93 | 156.87 |
| W -0.7 Beg. Tile wall | | | |
| W +0.7 N.L. Conc. apron | | 5.93 | 155.87 |
| C | | 6.9 | 154.9 |
| E | | 6.9 | 154.9 |
| 1+10 | | | |
| - S | | 7.3 | 154.5 |
| E | | 7.4 | 154.6 |
| C | | 7.0 | 154.8 |
| W | | 6.5 | 156.3 |

0.7 in alley

" "

+0.7 end Tile wall

beg. hedge 0.5 in alley on West

| | | | | | |
|---|---|---|---|---|---|
| | | 161.80 | | | |
| | 1+25 | | | | |
| W | | | 6.5 | 156.3 | |
| C | | | 6.8 | 155.0 | |
| E | | | 7.0 | 154.8 | |
| +10 | | | 8.0 | 153.8 | |
| | 1+65 | | | | |
| -10 | | | 8.6 | 153.2 | |
| E | | | 7.9 | 153.9 | |
| +0.3 | 12" P.P. | | | | |
| C | | | 7.8 | 154.0 | |
| W/ end of hedge | | | 7.7 | 154.1 | |
| | | | | | |
| T.P. | 4.37 | 157.94 | 8.43 | 153.57 | |
| | | | | | |
| | 2+03 | | | | |
| W | | | 3.4 | 154.5 | |
| C | | | 4.1 | 153.8 | |
| E | | | 4.3 | 153.6 | |
| +9.7 | 3' conc walk | | 5.07 | 152.87 | |

157.94

| | | | |
|---|---|---|---|
| 2+57.3 | | | |
| E - 6.8 Sh. do. gar. Conc. | 5.00 | 152.94 | |
| E - 1.0 " conc apron | 5.19 | 152.75 | 1' Back |
| E | 5.0 | 152.9 | |
| C | 4.7 | 153.2 | |
| W | 3.8 | 154.1 | |
| 2+59 | | | |
| W - 33.6 ft do. garage | 2.19 | 155.75 | Golden Comment |
| 2+72.7 | | | |
| E - 6.8 Nl do. gar. Conc. | 5.02 | 152.92 | |
| E - 1.0 " conc. apron | 5.17 | 152.77 | 1' Back |
| 2+75 | | | |
| W + 0.1 beg. Stucco wall | 4.0 | 153.9 | 0.1 in alley |
| C | 5.0 | 152.9 | |
| E | 5.3 | 152.6 | |
| +14 beg picket fence | | | |
| 3+06 | | | |
| E - 1.2 end picket fence & SW Car gar. | | | E of W1 with door to alley |
| E | 5.0 | 152.9 | |
| C | 5.1 | 152.8 | |
| +7 | 4.8 | 153.1 | |
| W | 4.2 | 153.7 | |

157.94

3+26

E - 1.4 NW Cor garage

3+29.95 = S.L. of N, E & W alley

| | | | | | |
|---|---|---|---|---|---|
| W - 0.03 | Cor. Stucco wall | | 4.3 | 153.6 | |
| C | | | 5.0 | 152.9 | |
| E | | | 5.5 | 152.4 | |
| T.P. | 8.94 | 162.67 | 4.21 | 153.73 | Nail in pole |



1/sec of N. E & W alley

Blk L Plumosa Park

162.67

E gut Jonquil Dr

| | | | | |
|---|---|---|---|---|
| S. | Pav | | 1.91 | 160.76 |
| N | " | | 2.24 | 160.43 |
| | 0+00 Ed Jonquil Dr. | | | |
| N | cb | | 1.61 | 161.07 |
| N | Pav. | | 1.80 | 160.87 |
| C | " | | 2.05 | 160.62 |
| S | " | | 1.50 | 161.17 |
| S | cb Beg. of 1.0 in alley | hedge | 1.26 | 161.41 |
| | 0+16.2 | | | |
| S | | | 1.3 | 161.4 |
| +4 | | | 2.4 | 160.3 |
| C | | | 2.6 | 160.1 |
| N | | | 2.6 | 160.1 |
| +0.3 | SW Cor gar. | | | |
| +1.4 | S edge | cem apron | 2.06 | 160.61 |
| | 0+34.6 | | | |
| N - 0.3 | SE Cor garage | | 3.8 | 158.9 |

W. entrance to Jonquil

167.67

| | | | | |
|---|---|---|---|---|
| N | | 3.8 | 158.9 | |
| +1.N | 12" I.P. | | | |
| +4 | | 4.6 | 158.1 | |
| C | | 4.3 | 158.4 | |
| +5 | | 4.0 | 158.7 | |
| S end hedge | | 2.5 | 160.2 | |
| S +0.1 | W.L. Cem walk | 1.98 | 160.69 | |
| | 0+38.4 | | | |
| S -0.1 | E.L. Cem walk | 2.08 | 160.59 | |
| | 0+38.45 | | | |
| S -0.5 | Beg. N' Cem. walk parallel | 2.7N | 159.95 | With alley |
| | 0+39 | | | |
| S | beg. hedge L' in alley | 3.3 | 159.4 | |
| +5 | | 4.5 | 158.2 | |
| C | | 4.7 | 158.0 | |
| N | | 5.2 | 157.5 | |
| +5.5 | W.L. Cem. apron | 5.74 | 156.93 | |
| +8.3 | " 3 car gar. | 5.70 | 156.97 | |
| | 0+47.7 | | | |
| N -5.4 | Cem apron | 5.74 | 156.93 | Break in grade of this 3 car garage |
| N -8.6 | gar. Fl. | 5.65 | 157.02 | |

167.67

| | | | | |
|---|---|---|---|---|
| | 0+48.7 | | | |
| N -5.4 | Cem apron | 5.99 | 156.68 | |
| N -8.6 | gar cem | 5.95 | 156.72 | |
| | 0+64.6 | | | |
| N -8.8 | E.L. above 3 Car gar. | 5.95 | 156.72 | |
| N -5.9 | " cem apron | 6.21 | 156.46 | |
| N | | 6.8 | 155.9 | |
| C | | 6.9 | 155.8 | |
| +9 | end hedge | | | |
| +9.4 | W.L. cem. apron | 6.89 | 155.78 | 0.6 in alley |
| S +0.4 | Hedge 2' walk | 6.84 | 156.83 | & end walk |
| S +7 | W.L. S. in cem. gar. | 6.87 | 156.80 | |
| T.P | 2.31 | 154.04 | 8.94 | 153.73 |
| | 0+66.7 | | | |
| N -2.8 | Beg. Lattice fence | | | |
| | 0+74 | | | |
| S +0.55 | E. edge Cem apron | 0.44 | 155.60 | 0.55 in alley |
| | 0+76 | | | |
| S +0.08 | Beg. Stucco wall | | | 0.08 " |

156.04

| | | | | |
|---|---|---|---|---|
| | 0+85.3 | | | |
| N - 3.1 | end lat. fence | | | |
| | 1+00 | | | |
| S | | 2.1 | 153.9 | |
| C | | 2.5 | 153.5 | |
| N | | 2.3 | 153.7 | |
| | 1+10.09 | WL of N & S alley | | |
| N | | 2.6 | 153.4 | |
| C | | 3.0 | 153.0 | |
| C +9.9 | Cor. end Stucco wall | 2.4 | 153.6 | |
| | 1+20.09 | ℄ alley to So. | | |
| S | | 3.2 | 152.8 | |
| C | | 3.4 | 152.6 | |
| N | | 3.2 | 152.8 | |
| | 1+30.09 | EL alley to So. | | |
| N | | 3.0 | 153.0 | |
| +3 | | 3.8 | 152.2 | |
| C | | 3.8 | 152.2 | |
| S | | 3.6 | 152.4 | |
| | 1+32.5 | | | |
| S-0.25 | WL Cem apron | 3.70 | 152.34 | |



156.04

| | | | | |
|---|---|---|---|---|
| S-4 | w. edge door do. gar. cem. | 3.43 | 152.61 | |
| | 1+34.3 | | | |
| N +0.6 | 14" P.P. | | | |
| N -0.10 | Beg. lat. fence | | | |
| | 1+48 | | | |
| S-0.30 | E edge cem. apron | 3.84 | 152.20 | Beg. Picket fence |
| S-4.0 | " do. gar. | 3.45 | 152.59 | |
| | 1+67 | | | |
| S | | 5.0 | 151.0 | |
| C | | 5.2 | 150.8 | |
| +7 | | 5.2 | 150.8 | |
| N | | 4.3 | 151.7 | |
| +0.10 | end lat. fence | | | |
| | 1+74.5 | | | |
| N +1.46 | WL cem apron | 5.25 | 150.79 | 1.46 in alley |
| N-2.2 | " " gar. | 4.21 | 151.83 | |
| | 1+82.5 | | | |
| N + 1.46 | on apron | 5.25 | 150.79 | |
| N - 2.2 | EL gar. cem | 4.14 | 151.90 | |
| | 1+84 | | | |
| N + 1.46 | Ely Cor. of above apron | 5.24 | 150.80 | 1.46 in alley |

156.0K

| | | | | |
|---|---|---|---|---|
| | 1+90.5 | | | |
| S +0.3 | & 3' conc. walk | 5.70 | 150.34 | 0.3 in alley |
| | 2+00 | | | |
| N | | 5.7 | 150.3 | |
| +N | | 6.N | 149.8 | |
| C | | 6.1 | 149.9 | |
| +9.9 | end Pick. fence | 6.0 | 150.0 | |
| | 2+17.8 | | | |
| S +0.3 | Beg. Pick. fence | | | 0.3 in alley |
| | 2+34 | | | |
| N +0.3 | 14" P.P | | | |
| | 2+50 | | | |
| S +0.3 | end pick fence | 7.3 | 148.7 | 0.3 " |
| C | | 7.8 | 148.N | |
| +7 | | 7.7 | 148.3 | |
| N | | 7.4 | 148.6 | |
| | 2+58.65 w/y Narcissus Dr | | | |
| N c6 | | 8.13 | 147.91 | |
| N pav. | | 8.40 | 147.64 | |
| C " | | 8.57 | 147.47 | |
| S " | | 8.7N | 147.82 | |

156.0K

| | | | | |
|---|---|---|---|---|
| S c6 | | | 7.89 | 148.15 |
| | w/y gutter | Narcissus | | |
| S pav | | | 8.86 | 147.18 |
| N " | | | 9.07 | 146.97 |
| T.P. | 12.7N | 159.9N | 8.84 | 147.20 |
| check to Orig. B.M. | | | 2.76 | 157.16 | 157.1K 0.0N |

Red. & Plotted 2/24/42 (MM)

Lewis & A St Kelhoer to Pacific Hwy
Pacific Hwy. 28' West of E.L. A St to 2 Beech

| | | | | | |
|---|---|---|---|---|---|
| BM | 2.29 | (17.29) | | (15.00) | WE BP A St & 4K |
| 0+0 | = 20' W of E.L. Kelhoer | | 3.47 | 13.82 | |
| +11 | = ℄ SO Electrack Top Rail | | 3.50 | 13.79 | |
| +55 | = W.L. Kelhoer : Wly Paving | | 4.04 | 13.25 | |
| 1+0 | | | 5.0 | 12.3 | |
| +50 | | | 6.1 | 11.2 | |
| +88 | = Ely Santa Fe Spur Top Rail | | 6.56 | 10.73 | |
| 2+0 | | | 7.1 | 10.2 | |
| +05 | = Ely Rail Spur Top Rail | | 6.83 | 10.46 | |
| +32 | = Ely " " | | 7.63 | 9.76 | |
| +40 | = Ely Main Line TR | | 7.60 | 9.69 | |
| +54 | = Ely " " TR | | 7.67 | 9.62 | |
| +55 | = E.L. Calif | | 8.1 | 9.2 | |
| +77 | = Ely Main Line TR | | 7.91 | 9.38 | |
| +91 | = Ely Spur Top Rail | | 8.17 | 9.12 | |
| +97 | = Ely " | | 8.20 | 9.09 | |
| 3+0 | | | 8.7 | 8.6 | |
| +20 | = Ely Spur | | 8.78 | 8.51 | |
| +24 | = Ely Spur | | 8.83 | 8.46 | |
| +50 | | | 9.5 | 7.8 | |

March 7.42 Sissons Northern W Moore
(17.29)

29

| | | | | | |
|---|---|---|---|---|---|
| TP | 1.81 | (9.42) | 9.68 | (7.61) | |
| 4+0 | | | 5.1 | 6.3 | |
| +50 | | | 4.7 | 4.7 | |
| 5+0 | | | 6.1 | 3.3 | |
| +30 | = E.L. Pacific Hwy. | | 6.5 | 2.9 | |
| +33 | = Existing Culvert See plan & Culvert | | 6.5 | 2.9 | |
| +33 | 61.6 South of ℄ Flow Line | = Curb Inlet | 10.47 | - 1.05 | |
| +33 | 31.0 W of ℄ Flow Line | = Curb Inlet | 10.83 | - 1.41 | |
| 5+58 | = 4.18' W of E.L. Pacific = 6' E of E Edge of Pav | | 6.5 | 2.9 | |
| 5+58 | 6' W = Ely Paving | | 6.44 | 2.98 | |
| 6+0 | | | 6.7 | 2.7 | |
| 6+0 | 6' W = Ely Paving. | | 6.53 | 2.89 | |
| +50 | | | 6.6 | 2.8 | |
| 7+0 | | | 6.4 | 3.0 | |
| 7+0 | 6' W = Ely Paving | | 6.01 | 3.41 | |
| TP | 6.01 | (9.05) | 6.38 | (3.04) | |
| +48 | = 54' Full Width Pav | | 5.63 | 3.42 | |
| 8+0 | on Pav | | 5.29 | 3.76 | |
| +50 | | | 5.10 | 3.95 | |
| 8+98 | = E.L. A St | | 5.09 | 3.96 | |

| | | | | | |
|---|---|---|---|---|---|
| | | <9.05> | | | |
| 9+38 = ℄ Ash | | on Paving | 5.03 | 4.02 | |
| +78 = HL Ash | | " " | 4.99 | 4.06 | |
| 10+0 | | " " | 4.90 | 4.15 | |
| +50 | | " " | 4.68 | 4.37 | |
| 11+0 | | " " | 4.66 | 4.39 | |
| +50 | | " " | 4.41 | 4.64 | |
| 12+0 | | " " | 4.26 | 4.79 | |
| +50 | | " " | 4.13 | 4.92 | |
| +78 = SL Beech | | " " | 4.10 | 4.95 | |
| 13+18 = ℄ Beech | | " " | 4.07 | 4.98 | |
| TP | 10.71 | <15.38> | 4.38 | <4.67> | |
| TP | 8.53 | <22.31> | 1.60 | <13.78> | |
| BM | | | 2.34 | <19.97> | NWBP Beech & Kettner 19.99 |

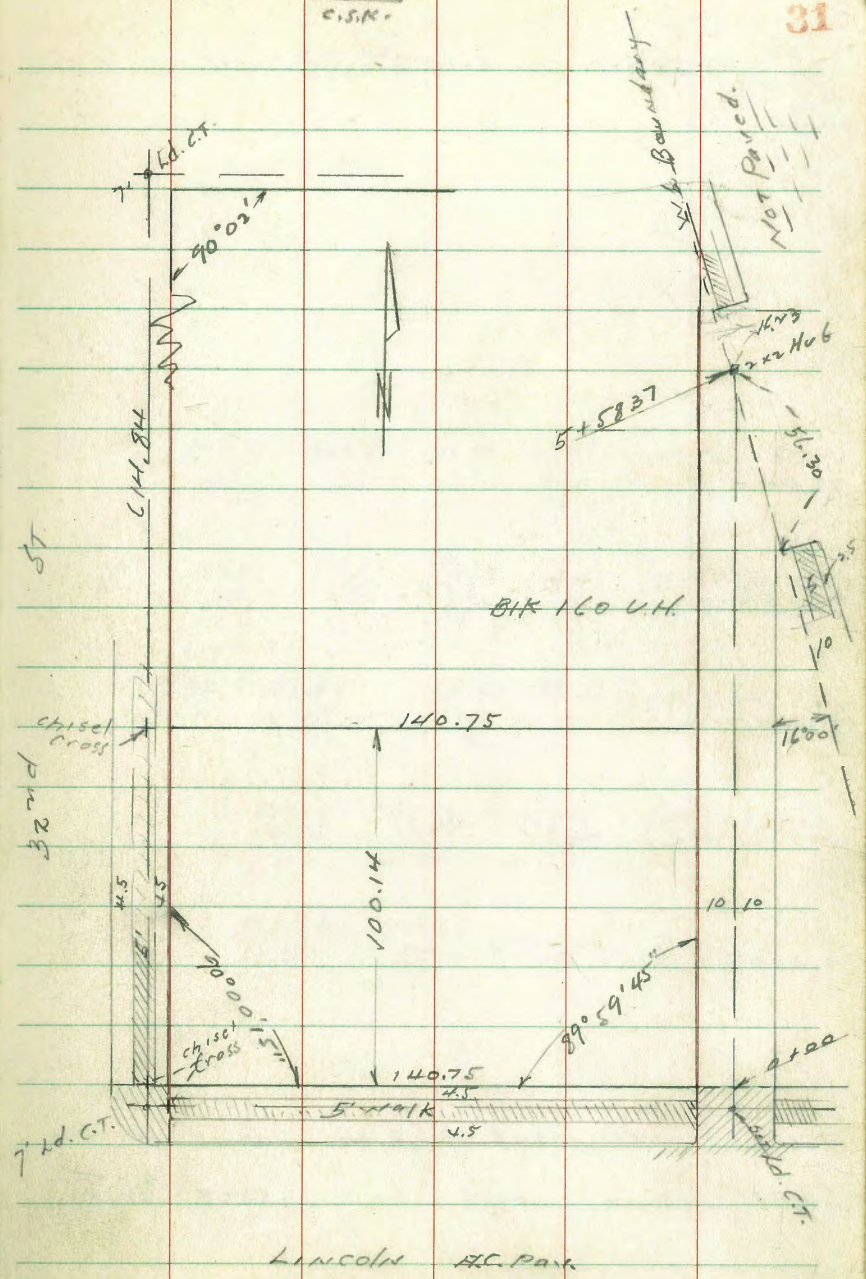
Survey, Levels on Lots 21-24 / 160 U.H.

and xsec of 20' alley

Moore
Hazard
Hoops
6-1-04

Indexed
C.S.K.





Levels on lots 21-24 / 160 U.H.

Baseline
N. Curb
Lincoln

Right
gutter

Left

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 + 20 | | | | | | 347.49 / 1.3 / 114 | 347.29 / 1.5 / 64 | 346.29 / 2.5 / 16 | 344.89 / 3.9 / 14 | 343.79 / 5.0 / 10 | 343.56 / 5.23 | 342.91 / 5.88 |
| 0 + 80 | | | | | | 347.79 / 1.0 / 114 | 346.89 / 1.9 / 64 | 345.89 / 2.9 / 16 | 345.19 / 3.6 / 14 | 343.89 / 4.9 / 10 | 343.66 / 5.13 | 343.07 / 5.72 |
| 0 + 40 | | | | | | | 347.39 / 1.4 / 114 | 345.89 / 2.9 / 64 | 344.89 / 3.9 / 16 | 342.19 / 4.6 / 14 | 343.88 / 4.91 | 343.27 / 5.52 |
| 0 + 14 = E.L. 32nd | | | | | | | | 346.19 / 2.6 / 114 | 345.49 / 3.3 / 64 | 344.35 / 4.44 / 14 | 344.01 / 4.78 | 343.40 / 5.39 |
| 0 + 00 = E Curb 32nd | | | | | | | | 345.46 / 3.33 / 114 | 344.69 / 4.10 / 64 | 344.04 / 4.75 / 14 | | |
| T.P. N.E. 7' C.T. | 4.61 | 348.79 | 9.00 | 344.18 | 32nd Lincoln | | | | 348.79 | | | |
| SEBP | 0.14 | 353.18 | | 353.04 | 32nd Polk. | | | | | | | |

X sec 20' alley Blk 160 U.H.

H.I. Fwd.
348.79

00-14 : N Cb. Line Lincoln

| | | | |
|---|---|---|---|
| W | pav. gut | 5.81 | 342.98 |
| E | " " | 5.88 | 342.91 |
| | 0+00 N L Abe. | | |
| E | cb | 5.08 | 343.71 |
| E | Pav | 5.31 | 343.48 |
| C | " | 5.59 | 343.20 |
| W | " | 5.29 | 343.50 |
| W | cb | 5.06 | 343.73 |
| | 0+01 | | |
| W-3 | | 3.7 | 345.1 |
| W | | 4.5 | 344.3 |
| C | | 5.2 | 343.6 |
| E | | 4.2 | 344.6 |
| | 0+08 | | |
| E | | 2.1 | 346.7 |
| +6 | | 4.0 | 344.8 |
| C | | 4.1 | 344.7 |

Reduced & Plotted on #1890
6-4-1942



348.79

| | | | | |
|---|---|---|---|---|
| C+6 | | | 3.8 | 345.0 |
| C+8 | | | 2.6 | 346.2 |
| W | | | 2.3 | 346.5 |
| +0.3 SE Cor. shed ✓ | | | | |
| T.P. | 7.76 | 352.95 | 3.60 | 345.19 |
| | 0+23 | | | |
| W +1.2 = 24" P.P. ✓ | | | | |
| | 0+26 | | | |
| W | | | 6.0 | 347.0 |
| C | | | 6.0 | 347.0 |
| C +8.5 10" Tel. P. ✓ | | | | |
| E | | | 6.1 | 346.9 |
| | 0+38 | | | |
| W +01 NE Cor shed ✓ also beg. old wire fence | | | | |
| | 0+50 | | | |
| E -0.6 Low Bd. fence ✓ | | | | |
| E | | | 5.3 | 347.7 |
| C | | | 5.9 | 347.1 |
| W | | | 5.7 | 347.3 |

| | | | |
|---|---|---|---|
| | 0+77 | | |
| E −0.6 | end Low Bd fence ✓ | | |
| | 0+87 | | |
| W −0.1 | end wire fence ✓ | | |
| | 0+88 | | |
| W | ℄ Sew. gar. ✓ | 5.7 | 347.8 dirt |
| C | | 5.3 | 347.7 |
| E | 12 wide Sew. gar. | 5.0 | 348.0 dirt |
| | 0+97 | | |
| W +0.8 | SE Cor wooden Shed ✓ | | |
| | 1+00 | | |
| E | | 4.9 | 348.1 |
| C | | 5.2 | 347.8 |
| W | | 5.1 | 347.9 |
| | 1+25 | | |
| E −3 | ℄ Sew. gar. ✓ | 5.0 | 348.0 on 1 ft. |
| | 1+34 | | |
| W +0.9 | NE Cor Wooden Shed ✓ | | |
| | 1+50 | | |
| −10 | | 4.4 | 348.6 |
| W | | 4.5 | 348.5 |





| | | | |
|---|---|---|---|
| W +1.6 | 16" RP ✓ | | |
| C | | 4.8 | 348.2 |
| C +8.2 | 10" Tel P. ✓ | | |
| E | | 4.9 | 348.1 |
| +10 | | 5.2 | 347.8 |
| | 1+Co. C | | |
| E +0.2 | E 5 in wide add. to dwelling ✓ | | |
| W −2.3 | ℄ Cent apron | 4.40 | 348.55 ✓ |
| W −5.1 | E Sew gar | 4.01 | 348.94 Cem. ✓ |
| | 1+71 | | |
| E +0.2 | SW Cor ✓ add. to above dwelling | | |
| | 1+85 | | |
| E +0.1 | NW Cor ✓ | | |
| | 2+00 | | |
| −10 | | 5.3 | 347.7 |
| E | | 5.2 | 347.8 |
| C | | 4.8 | 348.2 |
| W | | 4.7 | 348.3 |
| +0.5 | end E & W fence Line | | |
| +10 | | 4.5 | 348.5 |

35+95

| | | | |
|---|---|---|---|
| | 2+09 | | |
| E−4.5 | ℄ Sim. gar. | 5.3 | 347.7 oil ft. Sly entrance |
| E+0.3 | SW Cor above gar. | | |
| T.P. | V.00 | 35+32 | 4.63 | 348.32 |
| | 1+26 | | |
| −6 | SL Sim. gar | 4.0 | 348.3 dirt |
| W | | 4.N | 348.1 |
| C | | 4.3 | 348.0 |
| +9.9 | NW Cor gar. | 4.4 | 347.9 Sly entrance |
| E+10 | | 5.0 | 347.3 |
| | 2+28 | | |
| E | beg. Earth fence | | |
| | 2+41 | | |
| W−0.3 | ℄ 13' wide Cor apron | 4.00 | 348.32 |
| W−6.0 | ℄ Sim gar. | 2.91 | 349.41 Conc ft. |
| | 2+50 | | |
| W−0.8 | beg. picket fence | | |
| | 2+56 | | |
| E+0.2 | end fence and SW Cor Bd & Bat. add. to dwelling | 5.0 | 347.3 |

35+32

| | | | |
|---|---|---|---|
| C | | 4.4 | 347.9 |
| W | | 3.8 | 348.5 |
| | 2+66 | | |
| E+0.1 | NW Cor above add. also beg. Earth fence | | |
| | 2+75 | | |
| −10 | | 6.0 | 346.3 |
| −1 | | 5.3 | 347.0 |
| E | end Earth fence | 4.6 | 347.7 |
| +2.0 | beg. wire fence also 10" Tel. P. | | |
| C | | 4.6 | 347.7 |
| +7 | | 4.3 | 348.0 |
| W | | 3.4 | 348.9 |
| +5 | | 3.4 | 348.9 |
| | 2+78 | | |
| W+0.8 | 16" P.P. | | |
| | 3+00 | | |
| −0.2 | end picket fence end | | beg. High Bd. fence |
| W | | 4.1 | 348.2 |
| +3 | | 4.5 | 347.8 |
| C | | 4.6 | 347.7 |

| | | | |
|---|---|---|---|
| C +7.7 | Wire fence ✓ | 4.8 | 347.5 |
| +8 | | 5.7 | 346.6 |
| E | | 5.8 | 346.5 |
| +10 | Lawn | 6.0 | 346.3 |
| | 3+25 | | |
| E +3.8 | end wire fence ✓ | | |
| | 6eg tot. " " | | |
| | 3+26 | | |
| W -0.6 | end high Bd. fence ✓ | | |
| | 3+33 | | |
| -2.5 | against frame Porch | 6.0 | 346.3 |
| E | | 5.9 | 346.4 |
| +3.8 | Fence | 4.9 | 347.4 |
| C | | 4.5 | 347.8 |
| W | | 3.7 | 348.6 |
| +0.6 | SL Con apron | 3.73 | 348.59 |
| +3.8 | " " " | 3.04 | 349.28 |
| +8.8 | " do. gar. | | Con. Fl. |
| | 3+50 | | |
| W -8.8 | Fl. above gar. | 3.15 | 349.17 |
| W -3.8 | " apron | 3.21 | 349.11 |
| W -0.6 | " " | 3.92 | 348.30 |





| | | | |
|---|---|---|---|
| | 3+60 | | |
| W -6.6 | E Sill gar. | 3.26 | 349.06 Con. Fl. |
| W -0.7 | E Finish Con apron | 3.96 | 348.36 |
| W | | 4.0 | 348.3 |
| C | | 4.8 | 347.5 |
| +8.7 | fence | 4.7 | 347.6 |
| +9 | | 6.4 | 345.9 |
| E | | 4.6 | 347.7 |
| +.4 | | 6.7 | 345.6 |
| | 3+70 | | |
| W -0.1 | 6eg. Bd. fence ✓ | | |
| | 3+77 | | |
| E +1.5 | end laz fence ✓ | | |
| E +0.4 | 6eg. " " ✓ | | |
| | 3+86 | | |
| E +1.8 | "L" Tel. Pole ✓ | | |
| | 3+93 | | |
| E +1.8 | angle in Laz. fence ✓ | | |
| | 4+00 | | |
| -.4 | | 6.0 | 346.3 |

| | | | |
|---|---|---|---|
| F | | 5.9 | 346.4 |
| + ~ | | 5.x | 346.9 |
| c | | 5.~ | 347.1 |
| + 9.7 | end of Rd fence beg Conc. Ret. wall | x.3 | 348.0 end fence |
| | 4 + 03 | | |
| W + 1.3 | P.P. ✓ | | |
| | 4 + ~ | | |
| W + 0.9 | end Conc. Ret Wall | 5.0 | ✓ 347.3 ground at Base wall |
| | 4 + ~9 | | |
| W + 0.9 | SE Cor Stucco Bldg ✓ | | |
| | 4 + 31 | | |
| W + 3.3 | SE Cor add to above Stucco | | |
| | 4 + 37 | | |
| - 10 | | 7.~ | 345.1 |
| E | | 6.8 | 345.5 |
| + 0.9 | end Lat. Fence | 6.~ | 346.1 ✓ |
| + 5 | | 5.7 | 346.6 |
| c | | 5.6 | 346.7 |
| + 6.7 | | 5.1 | 347.2 |





| | | | |
|---|---|---|---|
| | 4 + 38 | | |
| W + 3.3 | NE Cor add to above Stucco ✓ | | |
| | 4 + 49 | | |
| W + 1.3 | NE Cor Stucco Bldg ✓ | | |
| | beg. wire fence which is falling into alley ✓ | | |
| | 5 + 00 | | |
| W + ~.0 | 12" P.P. | | |
| T.P. | 3.11 | 349.63 | 5.80 3 x C.5~ |
| | 5 + 0.3 | | |
| E - 5 | | 3.8 | 345.8 |
| E | | 3.7 | 345.9 |
| C | | 3.~ | 346.2 |
| C + 5.9 | SE Cor. apron | 3.00 | 346.63 |
| C + 8.3 | SE Cor. do. gar. | ~.5~ | 347.09 Conc Fl. |
| | 5 + ~3 | | |
| W + 1.7 | NE Cor. do. gar. | ~.51 | 347.12 " " |
| W + 4.1 | NL Conc. apron | ~.95 | 346.68 |
| | 5 + ~3.~ | | |
| W + 1.7 | Beg. picket fence | | |

3 x 9.03

| | | | | |
|---|---|---|---|---|
| | 5+50 | | | |
| W+2.0 | end picket fence | | ✓ | |
| | 5+54 | | | |
| W+0.7 | ℄ Sidewalk | 2.36 | 347.27 | Con. rt. |
| W+6.0 | ℄ 8' Con. apron | 2.88 | 346.75 | |
| C | | 3.4 | 346.2 | |
| E | | 3.8 | 345.8 | |
| | 5+58.37 /wz. ℄ alley & wL Boundary | | | |
| | Sec. on wL Boundary | | See Sketch | |
| | | | 346.52 | Top alley Rct. |
| 5L30 S of ℄ alley | | 3.11 | | |
| " " on ground | | 3.8 | 345.8 | |
| ℄ on rxn H46 | | 3.58 | 346.05 | |
| 1L+3 N of ℄ alley | | 2.67 | 346.96 | Top alley Rct |
| " " ground | | 3.1 | 346.5 | |
| TP | 4x8 | 355.72 | 2.32 | 347.24 |
| check to orig. B.M. | | | 2.48 | 353.04 353.04 |

Sommermeyer
Begg
Fox

x-Sec. Glenfield
Fairmount to Manzanita Dr.
Sketch on page 43

7-12-42

| | | | | | |
|---|---|---|---|---|---|
| B.M. S.E. Thorn & Fairmount | 1.33 | 319.35 | | 318.02 | F.B. 1556 P.22. |
| T.R. | 0.35 | 311.09 | 8.61 | 310.74 | |

0+00 = prop to south {Glenfield + Poplar

π 309.76

0+00 on S. to 0+48.02 on N. (Along W. Line Fairmount)

| | | | |
|---|---|---|---|
| 34.66 Lt | | 5.9 | 305.2 |
| 13.86 Lt Ground | | 6.7 | 304.2 |
| ✓ top Curb | | 7.13 | 303.96 |
| ✓ Gutter | | 7.40 | 303.69 |
| 10.40 Lt 1/4 | | 7.00 | 304.09 |
| ℄ | | 6.57 | 304.52 |
| 10.40 1/4 Rt | | 6.29 | 304.80 |
| 20.86 Rt. cb. | | 5.92 | 305.17 |
| 34.66 Rt. Prop. P.I. | | 5.77 | 305.32 |
| 37.6 Rt Gutter | | 5.77 | 305.32 |
| ✓ Curb top broken | | 5.76 | 305.33 |
| 44' Rt | | 5.0 | 306.1 |
| 53.43 Rt Prop. curve Point on Fairmount | | 4.9 | 306.2 |

5' W. west line Fairmount
0+05 on South to 0+53.02 on N.

| | | | |
|---|---|---|---|
| 53.4 Rt. | | 4.9 | 306.2 |
| 44' Rt. | | 4.1 | 307.0 |

Indexed
C.S.K.

π 311.09

| | | | |
|---|---|---|---|
| 20.8 Rt | | 5.8 | 305.3 |
| ℄ | | 6.7 | 304.4 |
| 14' Lt | | 7.0 | 304.1 |
| 21 Lt | | 5.6 | 305.5 |
| 34.66 Lt Prop | | 5.6 | 305.5 |
| 0+66.79 | | | |
| 35 Lt. | | 4.9 | 306.2 |
| 25 Lt | | 4.9 | 306.2 |
| 15 Lt cb | | 5.0 | 306.1 |
| 13 Lt | | 6.6 | 304.5 |
| 7.5 Lt 1/4 | | 6.4 | 304.7 |
| ℄ | | 6.1 | 305.0 |
| 7.5 Rt 1/4 | | 5.9 | 305.2 |
| 13 Rt | | 5.7 | 305.4 |
| 15 Rt cb | | 5.4 | 305.7 |
| 25 Rt. Prop | | 4.9 | 306.2 |
| 1+00 25' Rt. Prop | | 4.2 | 306.9 |
| 15 Rt | | 4.8 | 306.3 |
| 7½ Rt | | 5.2 | 305.9 |
| ℄ | | 5.3 | 305.8 |

Reduced & Plotted 7-15-42 C.B.H.

X - Soc Glen Field

| | | | |
|---|---|---|---|
| 1+00 | | | |
| 7.5' Lt | 311.99 | 5.7 | 305.4 |
| 15' Lt | | 5.9 | 305.2 |
| 15 Lt | | 4.9 | 306.2 |
| 25 Lt | | 5.0 | 306.1 |
| 35 Lt | | 5.2 | 305.9 |
| 1+22.5 | | | |
| 16.8 Lt | 1" P. Pole ✓ # P3124 | | |
| 1+23.3 | 16' Rt. 1' Diam Guy post | | |
| 1+24.99 | East Line alley to South | | |
| 25' Lt | | 4.8 | 306.3 |
| 15 Lt | | 4.7 | 306.4 |
| 11' Lt | | 5.2 | 305.9 |
| 7.5 Lt | | 5.1 | 306.0 |
| ℄ | | 4.8 | 306.3 |
| 7.5 Rt | | 4.8 | 306.3 |
| 15 Rt | | 4.3 | 306.8 |
| 25 Rt | | 3.9 | 307.2 |
| 1+40 | W. Line alley to South | | |
| 25 Rt | | 3.9 | 307.2 |
| 23.8 Rt | Corner of Bound Batt. garage 1/2 IN Street | | |
| 15' Rt | | 4.1 | 307.0 |



| | | | | |
|---|---|---|---|---|
| 1+40 | | 311.99 | | |
| 7.5 Rt | | | 4.7 | 306.4 |
| ℄ | | | 4.6 | 306.5 |
| 7.5 Lt | | | 4.8 | 306.3 |
| 15 Lt | | | 4.6 | 306.5 |
| 25 Lt | | | 4.8 | 306.3 |
| 50 Lt | | | 5.0 | 306.1 |
| 75 Lt | | | 5.7 | 305.4 |
| T.P. | 5.14 | 311.97 | 4.26 | 306.83 |
| 1+69 | 25' Rt. Edge of drive | | 3.98 | 307.99 |
| 1+74 | 21' Rt Corner of drive | | 4.05 | 307.92 |
| ~~1+77.5~~ | ~~24.5 Rt.~~ | ~~Edge of walk~~ | ~~4.05~~ | |
| 1+75 | | | | |
| 25 Lt | | | 5.5 | 306.5 |
| 15 Lt | | | 4.9 | 307.1 |
| 11 Lt | | | 5.5 | 306.5 |
| 7.5 Lt | | | 5.2 | 306.8 |
| ℄ | | | 4.8 | 307.2 |
| 7.5 Rt | | | 4.9 | 307.1 |
| 12 Rt | | | 4.9 | 307.1 |
| 15 Rt | | | 4.6 | 307.4 |

X-Sec - Glenfield

π 31197

| | | | |
|---|---|---|---|
| 1+75 - 22 E Rt | Edge of drive | 4.01 | 307.96 |
| +77 5 | 24 E Rt. Junction walk & drive | 4.05 | 307.92 |
| 1+80 3 - 23 4 Rt. | P. Pole 1 Guy pole | | |
| +86 5 - 21 5 Rt | Lin walk edge " | 3.86 | 308.11 |
| +87 6 - 23 11 Rt | corner conc. porch. | 3.65 | 308.32 |
| +94 - 21 5 Rt. | Lin walk edge " | 3.84 | 308.13 |
| +97 2 25' Rt. | Edge walk | 3.78 | 308.19 |
| 2+00 - 25' RT | | 4.0 | 308.0 |
| 15 RT | | 4.2 | 307.8 |
| 7 E RT | | 4.6 | 307.4 |
| ℄ | Rim M.H. ✓ | 4.5 | 307.5 |
| 7 E Lt | | 5.0 | 307.0 |
| 12' Lt | | 5.3 | 306.7 |
| 15' Lt | | 5.0 | 307.0 |
| 25' Lt | | 5.4 | 306.6 |
| 2+14 = E. Line Alley to N. | | | |
| ℄ | | 4 6 | 307.4 |
| 7 5 Rt | | 4 5 | 307.5 |
| 15 Rt | | 4 1 | 307.9 |
| 25 Rt | | 3 8 | 308.2 |

π 31197

| | | | |
|---|---|---|---|
| 2+34 80 = W. Line alley to North | | | |
| 5 Rt | | 3.3 | 308.7 |
| 25' Rt | | 3.7 | 308.3 |
| 15 Rt | | 4.2 | 307.8 |
| 7 5 Rt | | 4.5 | 307.5 |
| ℄ | | 4.5 | 307.5 |
| 7 5 Lt | | 4 E | 307.2 |
| 15 Lt | | 5 E | 307.0 |
| 25 Lt | | 5 1 | 306.9 |
| 2+60 - 24' Lt. End cedar Hedge to South ✓ | | | |
| 2+70 27 6 Lt. 8" acacia ✓ | | | |
| 2+78 5 25' Rt | Edge of 3' conc. walk | 4 20 | 307.07 |
| +86 4 - 27 2 Lt 8" acacia tree ✓ | | | |
| 2+93 - 25' Lt | E Edge Ribbon drive | 5.03 | 306.94 |
| +99 2 - 25' Lt | W. " " " | 4.99 | 306.98 |
| 3+00 25' Lt | | 4.9 | 307.1 |
| 15 Lt | | 4.8 | 307.2 |
| 7 5 Lt | | 4 7 | 307.3 |
| ℄ | | 4 4 | 307.6 |
| 7 E Rt | | 4 3 | 307.7 |

X-Sec. Glenfield

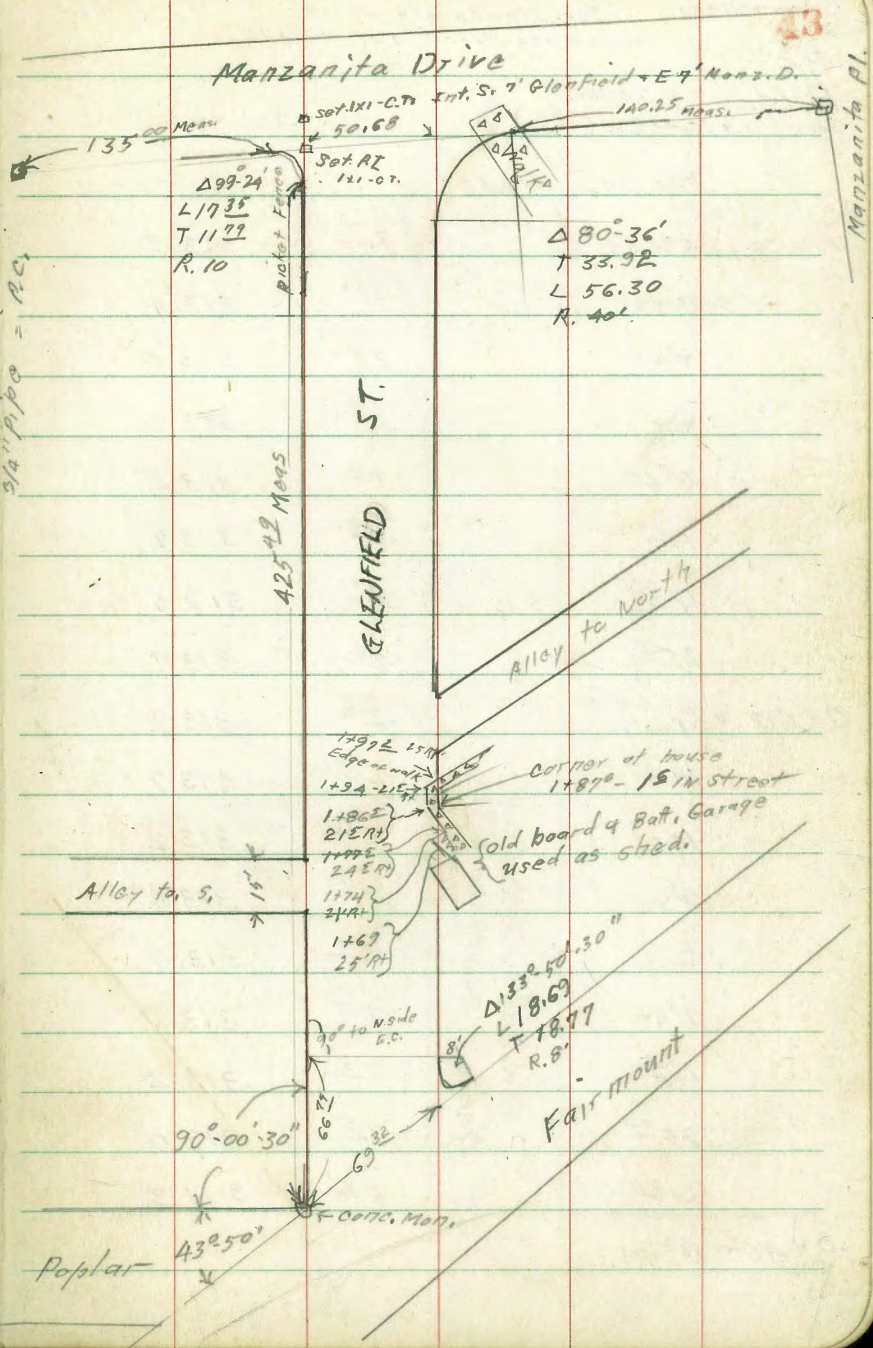
3/11/97

| | | | |
|---|---|---|---|
| 3+00 - 11' Rt | | 4.3 | 307.7 |
| 15' Rt | | 3.8 | 308.2 |
| 25' Rt | | 3.3 | 308.7 |
| 50' Rt | | 3.2 | 308.8 |
| +45.8 25' Lt | ℄ 84' cone. drive | 4.82 | 306.15 |
| 3+50 25' Rt | | 3.8 | 308.2 |
| 15 Rt | | 4.1 | 307.9 |
| 13 Rt | | 4.5 | 307.5 |
| 7.5 Rt | | 4.4 | 307.6 |
| ℄ | | 4.3 | 307.7 |
| 7.5 Lt | | 4.6 | 307.4 |
| 15 Lt | | 4.8 | 307.2 |
| 25 Lt | | 4.8 | 307.2 |
| 3+54 18 Lt | ✓ 1' acacia tree | | |
| 3+59.5 25.5 Lt | ON 3' cone. walk | 4.55 | 307.42 |
| 17 Lt. | End. 3' piece of walk to Prop. | 4.65 | 307.32 |
| +71.4 26.4 Lt | ✓ 10" acacia | | |
| +80.1 25 Lt | | 5.2 | 307.0 |
| 24.2 Lt | ✓ start Fence. E. End picket fence | | |
| 15 Lt. | | 4.8 | 307.2 |

3/11/97

| | | | |
|---|---|---|---|
| 3+80.1 | 7.5 Lt | 4.8 | 307.2 |
| | ℄ | 4.6 | 307.4 |
| | 7.5 Rt | 4.4 | 307.4 |
| | 15 Rt | 4.2 | 307.8 |
| | 25' Rt | 3.6 | 308.4 |
| | 35 Rt | 3.4 | 308.6 |
| 4+11.64 = P.C. on North. | | | |
| 25 Rt | | 3.8 | 308.2 |
| 15 Rt | | 4.3 | 307.7 |
| 7.5 Rt | | 4.6 | 307.4 |
| ℄ | | 4.7 | 307.3 |
| 7.5 Lt | | 5.0 | 307.0 |
| 15 Lt | | 5.0 | 307.0 |
| 24.2 Lt | Picket Fence | 5.2 | 306.8 |
| 25' Lt | | 5.2 | 306.8 |
| 4+25.43 = P.C. on South | | | |
| 25' Lt | | 5.5 | 306.5 |
| 24.2 Lt | Edge fence on BC. | | |
| 15 Lt | | 5.1 | 306.9 |
| 11 Lt | | 5.3 | 306.7 |

| | | | | |
|---|---|---|---|---|
| | | 311.97 | X-500 - Glenfield | |
| 75 Lt | | | 5 1 | 3069 |
| ℄ | | | 4 6 | 3074 |
| 75 Rt | | | 4 5 | 3075 |
| 15 Rt | | | 4 3 | 3077 |
| 25 Rt | | | 3 8 | 3082 |
| L. From E.C. on North to E.C. on South along E. Line Manzanita Dr. | | | | |
| 02 N. of E.C. N. edge walk | | | 2.50 | 309.47 |
| E.C. on walk | | | 2.50 | 309.47 |
| 56 26 Rt S. Edge walk | | | 2.55 | 309.42 |
| 25 24 Rt = P.I | | | 4 1 | 3079 |
| 24 Rt | | | 4 2 | 3078 |
| ℄ | | | 4 5 | 3075 |
| 15' Lt | | | 5 5 | 3064 |
| 17 Lt | | | 5 1 | 3069 |
| 25 34 P.I. | | | 5 5 | 3065 |
| 37 13 At E.C. | | | 5 9 | 3061 |
| T.P. A177 | | 312.30 | 4.44 | 307.53 |
| Set B.M. S.E. cor. P.I. Hub | | | 5.92 | 306.38 |
| Set B.M. N.E. 7' Hub Manzanita Dr. + Manzanita Dr. | 9.75 | 316.13 | 1.15 | 314.98 |
| Check Original B.M. Thorn & Fairmount | 4.75 | 319.73 | 1.72 | 318.01 |
| | | | so 318.02 - .01 error | |



Sommermeyer Bagg Fay — X-Sec. Manzanita Drive. Manzanita Place to Heather — 7-13-42

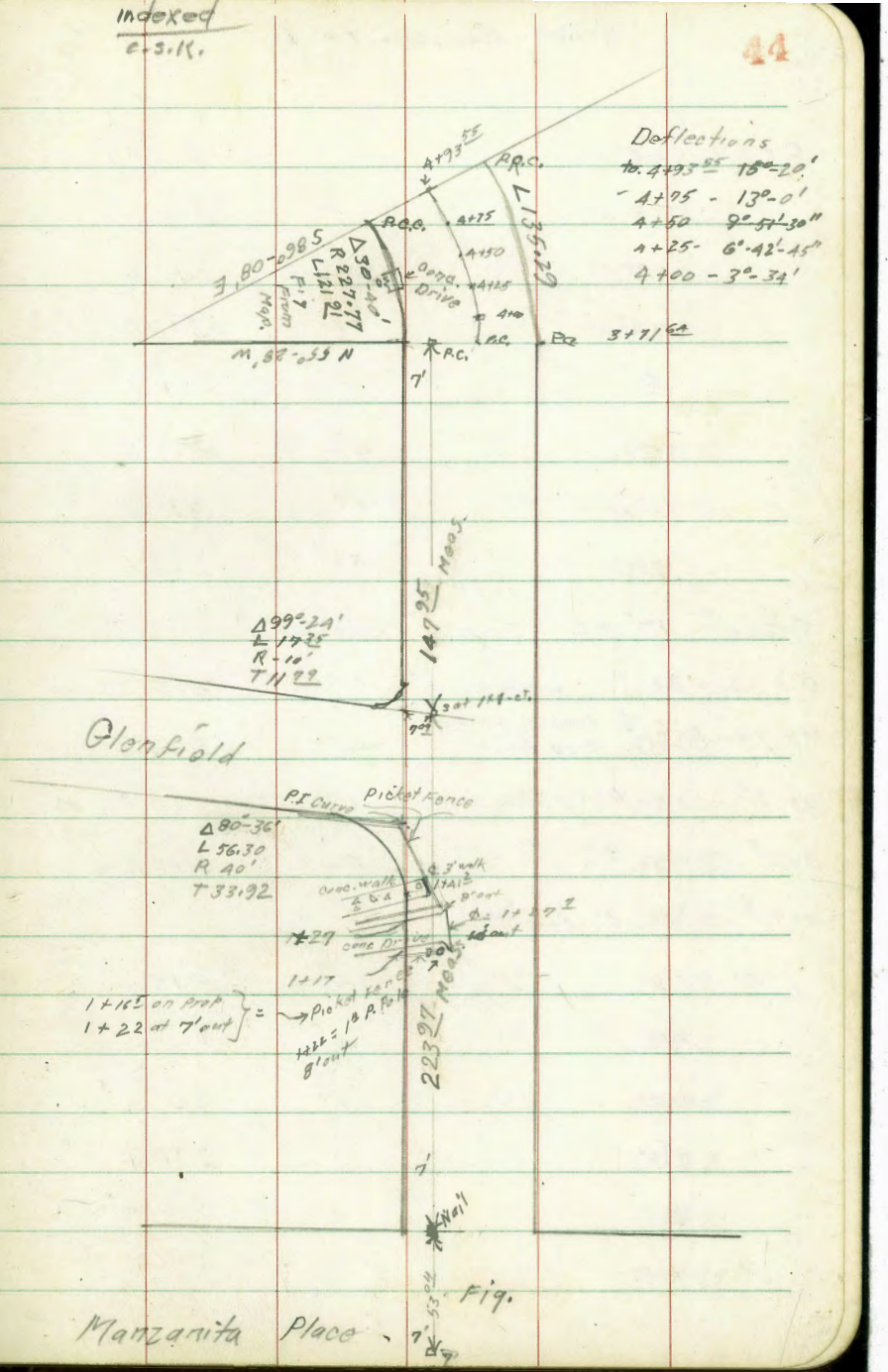
| | | | | |
|---|---|---|---|---|
| B.M. Glenfield + Manz. Dr. | S.E. P.I. Hub (See P.A3) | | | 306.38 |
| | 10.07 | 316.45 | | |
| SW. Prop to SE prop. | 25.02 Rt | | 3.3 | 313.2 |
| | 15' Rt | | 3 1 | 313.4 |
| | 7.5 Rt | | 2 9 | 313.6 |
| | ℄ | | 2 8 | 313.7 |
| | 7.5 Lt | | 3 0 | 313.5 |
| | 15 Lt | | 3 3 | 313.2 |
| | 17' Lt | | 2 7 | 313.8 |
| | 25 Lt | | 2 6 | 313.9 |
| 0+00 = | Rt. Ls. to prop. on East. | | 2 6 | 313.9 |
| | 17 Lt | | 2 8 | 313.7 |
| | 15 Lt | | 3 3 | 313.2 |
| | 7.5 Lt | | 3 1 | 313.4 |
| | ℄ | | 2 8 | 313.7 |
| | 7.5 Rt | | 3 0 | 313.5 |
| | 15 Rt | | 3 3 | 313.2 |
| | 25 Rt | | 3 5 | 313.0 |
| | 50 Rt | | 5 2 | 311.3 |
| 0+46.5 | 15.2 Rt. | 8" Pepper Tree | | |

Reduced & Plotted on Profile # 2457 - 7-16-42

Indexed E-3.1K.

44

Deflections
~~to 4+93.55 18°-20'~~
- 4+75 - 13°-0'
4+50 9°-51'-30"
4+25 - 6°-42'-45"
4+00 - 3°-34'



X-Sec. Manzanita Dr.

| | | | | |
|---|---|---|---|---|
| | | 316.45 | | |
| 0+50 | 35 Rt | | 5.6 | 310.9 |
| | 25 Rt | | 5.4 | 311.1 |
| | 15 Rt | | 5.1 | 311.4 |
| | 7.5 Rt | | 5.0 | 311.5 |
| | ℄ | | 4.2 | 311.8 |
| | 7.5 Lt | | 4.2 | 311.6 |
| | 15 Lt | | 4.8 | 311.7 |
| | 25 Lt | | 4.5 | 312.0 |
| 0+64.8 | 17.4 Rt. | 1" pepper tree | | |
| 0+72 - | 27.3 Rt = ℄ Conc. walk | 2.5 | 5.75 | 310.70 |
| 0+78 - | 86 Rt ℄ Double garage Conc. floor | | 10.64 | 305.81 |
| 0+78.4 - | 24 Rt N. Edge Ribbon drive | | 5.97 | 310.48 |
| 0+86.8 - | 24.1 Rt. S. " " " | | 6.09 | 310.36 |
| 0+91.6 - | 17.5 Rt. = 6" Acacia tree | | | |
| 1+00 - | 25 Lt. | | 5.9 | 310.6 |
| | 15 Lt | | 6.0 | 310.5 |
| | 10 Lt | | 6.2 | 309.8 |
| | 7.5 Lt | | 6.4 | 310.1 |
| | ℄ | | 6.2 | 310.3 |
| | 7.5 Rt | | 6.5 | 310.0 |

| | | | |
|---|---|---|---|
| | 316.45 | | |
| 1+00 - | 12 Rt | 7.0 | 309.5 |
| | 15 Rt | 6.5 | 310.0 |
| | 25 Rt | 6.5 | 310.0 |
| | 35 Rt | 6.6 | 309.9 |
| 1+01 - | 17.5 Rt 2" Hybiscus bush | | |
| 1+17 | 25 Lt Picket Fence crosses prop. | 6.5 | 310.0 |
| 1+17.5 | 25 Lt = N. edge 9' conc. drive | 6.39 | 310.06 |
| 1+21 - | 18.2 Lt End picket fence | | |
| 1+22 - | 17.3 Lt. = ctr. 1.5' P. Pole | | |
| | 15.1 Lt = End of Flare (2.5' Rad.) Conc. drive | 6.66 | 309.79 |
| 1+23 - | 35 Rt | 7.5 | 309.0 |
| | 25 Rt | 7.1 | 309.4 |
| | 16.6 Rt = ctr. 1.5' Acacia tree | 6.7 | 309.8 |
| | 15 Rt | 7.2 | 309.3 |
| | 11 Rt | 7.6 | 308.9 |
| | 7.5 Rt | 7.3 | 309.2 |
| | ℄ | 7.0 | 309.5 |
| | 7.5 Lt | 7.2 | 309.3 |
| | 11 Lt. | 7.3 | 309.2 |
| | 14.8 Lt Edge. conc. drive | 6.67 | 309.78 |

# X-Sec. Manzanita Dr. (316.45)

| | | |
|---|---|---|
| 1+23 - 15 Lt | 6.67 | 309.78 |
| 25' Lt on drive | 6.50 | 309.95 |
| 1+27 - 25' Lt. = S. edge drive | 6.59 | 309.86 |
| 1+27.5 - 25' Lt. Picket fence crosses prop | | |
| 1+31 - 18.6 Rt. L.in picket fence | | |
| 1+33 - 17 Lt S. Edge flare at end of drive | 6.84 | 309.61 |
| 1+35 - 15.6 Lt. L.in picket fence | | |
| 1+39.6 - 25' Lt. Edge 3' 2.5" conc. walk. | 6.97 | 309.48 |
| 1+40.25 = 25 Lt = Prop. B.C. on walk. on east | 6.98 | 309.47 |
| 24 Lt = Edge walk | 6.99 | 309.46 |
| 18 Lt. Picket fence | | |
| 18 Lt. | 7.0 | 309.5 |
| 15' Lt. | 7.6 | 309.9 |
| 11' Lt | 7.2 | 308.6 |
| 7.5 Lt | 7.1 | 308.8 |
| ℄ | 7.5 | 309.0 |
| 7.5 Rt | 7.2 | 308.6 |
| 11 Rt | 8.4 | 308.4 |
| 15 Rt | 7.9 | 308.6 |
| 25 Rt | 7.8 | 308.7 |
| 35 Rt. | 7.9 | 308.6 |

316.45

| | | |
|---|---|---|
| 1+42.4 - 20 Lt = N. corner walk | 7.10 | 309.35 |
| +43.2 - 25 Lt. S. side walk | 7.03 | 309.42 |
| +45.3 - 21.3 Lt. S. corner conc. walk | 7.14 | 309.31 |
| T.P. 2.99 311.29 | 8.15 | 308.30 ✓ |
| 1+51.5 - 14.4 Rt. ℄ - 7' conc. drive To west | 2.72 | 308.57 |
| 25' Rt. = ℄ Drive on prop. | 3.10 | 308.19 |
| 46' Rt. 7' Drive changes to 2 - 2' Ribbons | 3.65 | 307.64 |
| 87' Rt. { ctr. 8' garage door | 6.95 | 304.54 |
| 1+54 - 25 Lt Picket fence crosses Property | | |
| 1+58 16 Rt. - 8" Acacia | | |
| 1+74.17 = {R+L to PI} 50' Rt. | 4.2 | 306.4 |
| 25 Rt | 4.1 | 307.2 |
| 15' Rt | 3.7 | 307.6 |
| 10 Rt | 4.1 | 307.2 |
| 7.5 Rt | 3.2 | 307.4 |
| ℄ | 3.4 | 307.9 |
| 7.5 Lt | 3.3 | 308.0 |
| 15' Lt | 3.3 | 308.0 |
| 25 Lt | 3.4 | 307.9 |
| 30' Lt | 3.0 | 308.3 |

X-Sec. Manzanita Dr.

311.29

| | | |
|---|---|---|
| 1+79 - 15' Rt. 6" Acacia ✓ | | |
| 1+98.3 24.8 Rt. - End picket fence to west | | |
| 1+99.51 = ℄ Glenfield | | |
| 25' Lt. | 3.9 | 307.4 |
| 15' Lt. | 3.9 | 307.4 |
| 7.5 Lt. | 4.2 | 307.3 |
| ℄ | 4.3 | 307.0 |
| 7.5 Rt. | 4.0 | 306.4 |
| 10 Rt. | 5.1 | 306.2 |
| 11 Rt. | 4.6 | 306.7 |
| 15 Rt. | 4.3 | 307.0 |
| 25' Rt. | 4.6 | 306.7 |
| 35' Rt. | 4.2 | 306.4 |
| 2+24.85 35' Rt. | 6.0 | 305.3 |
| 25' Rt. | 5.2 | 305.6 |
| 15' Rt. | 5.5 | 305.8 |
| 12 Rt. | 5.5 | 305.8 |
| 10 Rt. | 5.2 | 305.4 |
| 7.5 Rt. | 5.6 | 305.7 |
| ℄ | 5.2 | 306.3 |

311.29

| | | |
|---|---|---|
| 2+24.85 7.5 Lt. | 5.1 | 306.2 |
| 11 Lt. | 5.5 | 305.8 |
| 15 Lt. | 5.1 | 306.2 |
| P.I. on east 25 Lt. | 4.8 | 306.5 |
| 2+36.64 E.C. on 25' Lt. East | 5.2 | 306.1 |
| 15' Lt. | 5.3 | 306.0 |
| 12 Lt. | 5.3 | 306.0 |
| 7.5 Lt. | 5.9 | 305.4 |
| ℄ | 5.4 | 305.9 |
| 7.5 Rt. | 5.9 | 305.4 |
| 11 Rt. | 6.3 | 305.0 |
| 13 Rt. | 5.6 | 305.7 |
| 15 Rt. | 5.6 | 305.7 |
| 25 Rt. | 5.9 | 305.4 |
| 35 Rt. | 6.4 | 304.9 |
| 2+38 - 16.5 Lt. 1½" P. Pole ✓ | | |
| 2+50 - 35' Rt. | 6.8 | 304.5 |
| 25' Rt. | 6.2 | 305.1 |
| 15 Rt. | 6.0 | 305.3 |
| 11' Rt. | 7.0 | 304.3 |

# X-Sec. Manzanita Drive

311.29

| | | |
|---|---|---|
| 2+50 - 7.5 Rt. | 6.4 | 304.9 |
| ℄ | 6.0 | 305.3 |
| 7.5 Lt. | 6.5 | 304.8 |
| 8.5 Lt. | 6.6 | 304.7 |
| 11 Lt. | 6.0 | 305.3 |
| 15 Lt. | 5.9 | 305.4 |
| 25 Lt. | 5.6 | 305.7 |
| 2+80 - 25' Lt. picket fence comes onto prop. Line | | |
| 3+00 25 Lt. | 7.3 | 304.0 |
| 15 Lt. | 7.5 | 303.8 |
| 9' Lt. | 8.0 | 303.3 |
| 7.5 Lt. | 7.9 | 303.4 |
| ℄ | 7.6 | 303.7 |
| 7.5 Rt. | 8.0 | 303.3 |
| 12 Rt. | 8.4 | 302.9 |
| 13 Rt. | 8.0 | 303.3 |
| 15 Rt. | 7.9 | 303.4 |
| 25 Rt. | 8.2 | 303.1 |
| 50 Rt. | 9.8 | 301.5 |
| 3+47 - 28' Rt. Guy & dead man For P. Pole. | | |

311.29

| | | |
|---|---|---|
| 3+48 - 16.3 Rt. = 1.2 {Guy pole & P. pole} | | |
| 3+54 - 16 Lt. - 1.4 = P. Pole | | |
| 3+56.4 = North Line of Alley to East | | |
| 50' Rt. | 10.3 | 301.0 |
| 25' Rt. | 9.6 | 301.7 |
| 15 Rt. | 9.4 | 301.9 |
| 12 Rt. | 9.3 | 302.0 |
| 11 Rt. | 9.5 | 301.5 |
| 7.5 Rt. | 9.5 | 301.8 |
| ℄ | 9.2 | 302.1 |
| 7.5 Lt. | 9.4 | 301.9 |
| 9 Lt. | 9.5 | 301.8 |
| 15 Lt. | 8.2 | 302.4 |
| 24.7 Lt. = Corner Fence | 8.8 | 302.5 |
| 25' Lt. | 8.8 | 302.5 |
| 3+71.64 = P.C. also = S. Line Alley to East | | |
| 25' Lt. | 9.3 | 302.0 |
| 15 Lt. | 9.5 | 301.8 |
| 10 Lt. | 10.1 | 301.2 |
| 7.5 Lt. | 9.8 | 301.5 |

X-Sec. Manzanita Dr.

| | | ☆ 311.29 | | |
|---|---|---|---|---|
| | ℄ | | 9 5 | 301 8 |
| | 7 5 Rt | | 10 0 | 301 3 |
| | 10 Rt | | 10 2 | 301 1 |
| | 11 Rt | | 9 7 | 301 6 |
| | 15 Rt | | 9 7 | 301 6 |
| | 25 Rt | | 10 1 | 301 2 |
| | 50 Rt = P.C. | | 10 7 | 300 6 |
| T.P. | 0.68 | 307.07 | 4.90 | 306.39 |
| Curve stationing on ℄ Manzanita. | | | | |
| 4+00 | 50 Rt | | 6 2 | 300 2 |
| | 25 Rt | | 6 3 | 300 8 |
| | 15 Rt | | 6 2 | 300 9 |
| | 7 5 Rt | | 6 6 | 300 5 |
| | ℄ | | 6 0 | 301 1 |
| | 7 5 Lt | | 6 2 | 300 9 |
| | 12 Lt | | 6 6 | 300 5 |
| | 14 Lt | | 6 8 | 300 3 |
| | 15 Lt | | 6 8 | 300 3 |
| | 25 Lt | | 6 6 | 300 5 |
| 4+25 | 25 Lt | | 6 2 | 300 9 |
| | 17 Lt | | 6 3 | 300 8 |

| | | ☆ 309.07 | | |
|---|---|---|---|---|
| 4+25 | 15 Lt | | 7 1 | 300 0 |
| | 7 5 Lt | | 6 2 | 300 4 |
| | ℄ | | 6 6 | 300 5 |
| | 7 5 Rt | | 7 2 | 299 9 |
| | 15 Rt | | 6 7 | 300 4 |
| | 25 Rt | | 7 1 | 300 0 |
| | 35 Rt | | 7 3 | 299 4 |
| 4+49 | 24' Lt. = ℄ { 8' Conc. Drive | | 6.65 | 300 42 |
| | 44' Lt ℄ 8' Garage door | | 5.79 | 301 28 |
| 4+50 | 35 Rt | | 8 8 | 298 3 |
| | 25 Rt | | 8 5 | 298 6 |
| | 15 Rt | | 8 1 | 299 0 |
| | 7 5 Rt | | 7 8 | 299 3 |
| | ℄ | | 7 2 | 299 9 |
| | 7 5 Lt | | 7 3 | 299 8 |
| | 13 Lt | | 7 6 | 299 5 |
| | 15 Lt | | 7 1 | 300 0 |
| | 20 Lt Ground | | 6 2 | 300 2 |
| | 24 Lt Edge Drive | | 6.65 | 300.42 |
| | 25' Lt | | 6.62 | 300.45 |

X-Sec. Manzanita Drive

π 307.07

| | | | |
|---|---|---|---|
| 4+69 ℄ -23'Rt = ℄ 22 Conc. walk | 8.47 | 298.60 | |
| 4+75 35'Rt | 7 1 | 3000 | |
| 25' Rt | 7 3 | 2998 | |
| 15' Rt | 7 5 | 2996 | |
| 7 5/Rt | 7 8 | 2993 | |
| ℄ | 7 8 | 299.3 | |
| 7' Lt Rt | 8 3 | 298.8 | |
| 15' Lt Rt | 8 4 | 298.7 | |
| 23' Lt Rt | 8 7 | 298.4 | |
| 25' Lt Rt | 8 7 | 298.4 | |
| 35' Lt Rt | 8 7 | 298.4 | |
| 4+93 55 25' Rt. ℄ -8' Ribbon Drive | 8.82 North<br>8.80 South | 298.25<br>298.27 | |
| 25' Rt = P.R.C. | 8 8 | 298.3 | |
| 15' Rt | 8 6 | 298.5 | |
| 7 5 Rt | 8 6 | 2985 | |
| ℄ | 8 3 | 298.8 | |
| 7 5 Lt | 8 2 | 2989 | |
| 15' Lt | 7 6 | 299.5 | |
| 25' Lt. = P.C.C. | 7 7 | 299.4 | |
| 35' Lt. | 7 4 | 299.7 | |



π 307.07

| | | | |
|---|---|---|---|
| Check Original BM. Glenfield & Manzanita Dr. | | 0.68 | 306.39<br>306.38<br>.01 |

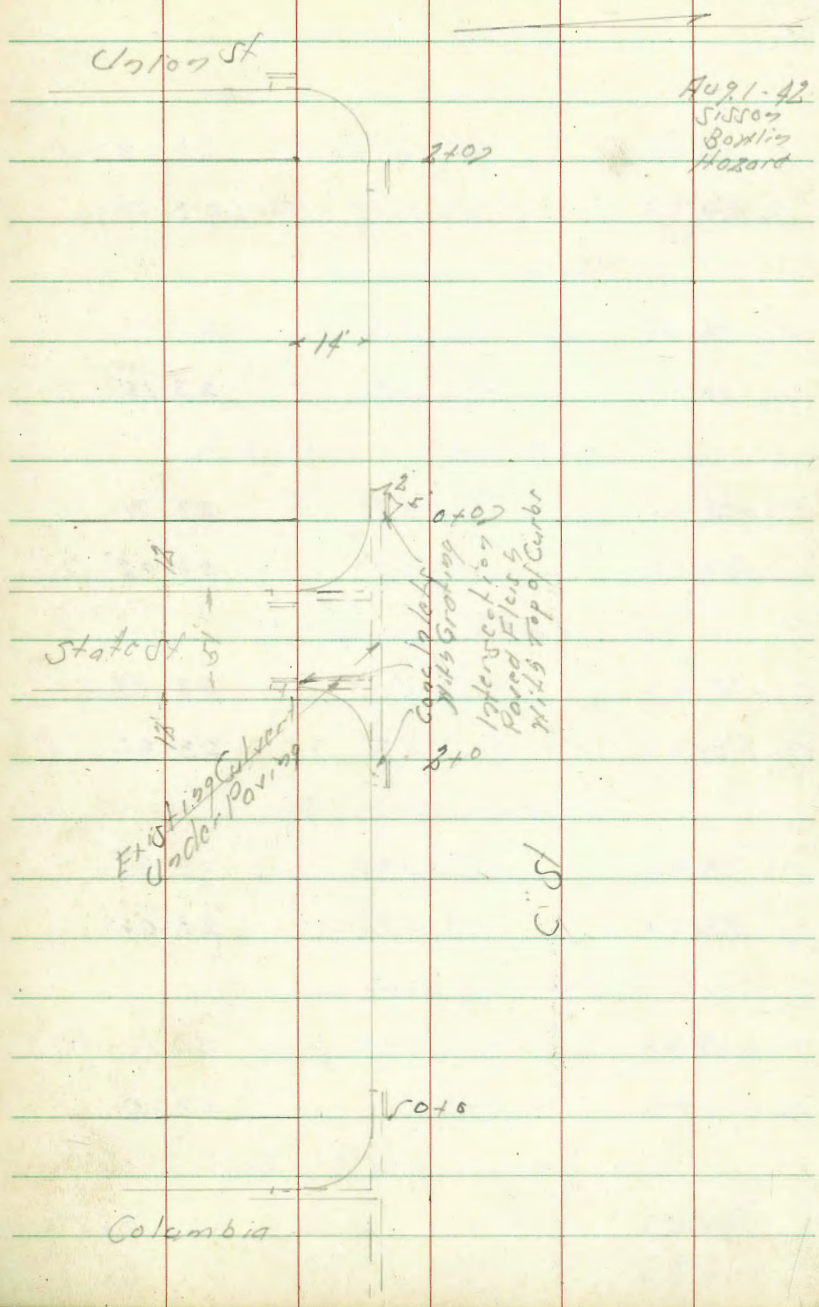
C St. Horiz Curb & Gutter Levels
Columbia to Union

| | | | | |
|---|---|---|---|---|
| BM | 7.58 | 27.98 | 20.40 | N.W. B.P. C St & Columbia |
| | 0+00 = E.L. Columbia St | | | |
| Top Cb | | 6.42 | 21.56 | |
| Gutter | | 7.62 | 20.36 | |
| | 0+09 | | | |
| Top Cb | | 6.39 | 21.59 | |
| Gutter | | 6.70 | 21.28 | |
| | 0+35 | | | |
| Top Cb | | 6.02 | 21.96 | |
| Gutter | | 6.30 | 21.68 | |
| | 0+50 | | | |
| Top Cb | | 5.71 | 22.27 | |
| Gutter | | 6.15 | 21.83 | |
| | 0+85 | | | |
| Top Cb | | 5.29 | 22.69 | |
| Gutter | | 5.69 | 22.29 | |
| | 1+00 | | | |
| Top Cb | | 5.15 | 22.83 | |
| Gutter | | 5.55 | 22.43 | |

Reduced & Plotted large scale 8-3-42 C.B.K.

Indexed
C.S.K.

51



| | | | | |
|---|---|---|---|---|
| | | 27.98 | | |
| | | 1+35 | | |
| Top Cb | | 4.79 | 23 | 19 |
| Gutter | | 5.19 | 22 | 79 |
| | | 1+50 | | |
| Top Cb | | 4.51 | 23 | 47 |
| Gutter | | 4.86 | 23 | 12 |
| | | 1+75 | | |
| Top Cb | | 4.27 | 23 | 71 |
| Gutter | | 4.70 | 23 | 28 |
| | | 1+90 | | |
| Top Cb | | 4.09 | 23 | 89 |
| Gutter | | 4.76 | 23 | 22 |
| | | 1+95 | | |
| Top Cb | | 4.00 | 23 | 98 |
| Gutter | | 4.92 | 23 | 06 |
| | | 2+0 = W.L. State | | |
| Top Cb | | 3.85 | 24 | 13 |
| Gutter | | 4.88 | 23 | 10 |
| TP | 7.29 | 31.52 | 3.75 | 24.23 |

| | | | | |
|---|---|---|---|---|
| | | 31.52 | | |
| | | W Cb State W.L. C St. | | |
| Top Cb | | 7.31 | 24 | 21 |
| Gutter | | 8.16 | 23 | 06 |
| | | 5' W of W.L. C St. | | |
| Top Cb | | 7.29 | 24 | 23 |
| Gutter | | 7.85 | 23 | 67 |
| | | E Cb State W.L. C St. | | |
| Top Cb | | 6.80 | 24 | 72 |
| Gutter | | 7.96 | 23 | 56 |
| | | 5' E of W.L. C St. | | |
| Top Cb | | 6.74 | 24 | 78 |
| Gutter | | 7.33 | 24 | 19 |
| | | 0+0 = E.L. State | | |
| Top Cb | | 6.83 | 24 | 69 |
| Gutter | | 8.00 | 23 | 52 |
| | | 0+06 | | |
| Top Cb | | 6.72 | 24 | 80 |
| Gutter | | 7.39 | 24 | 13 |
| | | 0+35 | | |
| Top Cb | | 6.38 | 25 | 14 |
| Gutter | | 6.91 | 24 | 61 |

31.52

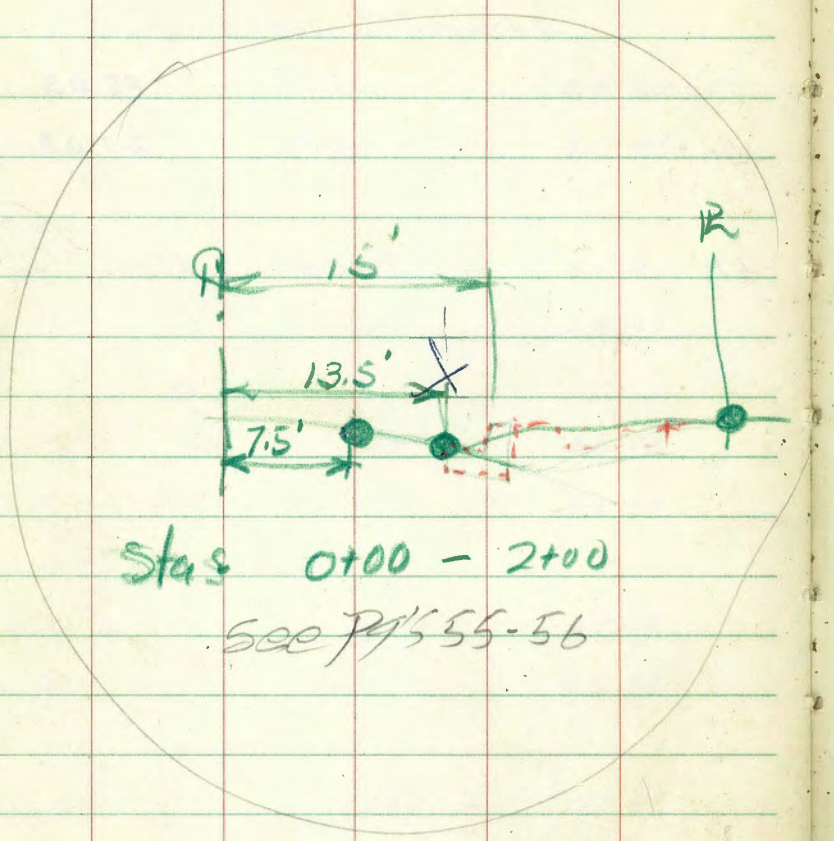
| | | | |
|---|---|---|---|
| 0+50 | | | |
| Top Cb | 6.04 | 25 | 48 |
| Gutter | 6.55 | 24 | 97 |
| 0+75 | | | |
| Top Cb | 5.68 | 25 | 84 |
| Gutter | 6.11 | 25 | 41 |
| 1+0 | | | |
| Top Cb | 5.09 | 26 | 43 |
| Gutter | 5.59 | 25 | 93 |
| 1+25 | | | |
| Top Cb | 4.78 | 26 | 74 |
| Gutter | 5.08 | 26 | 44 |
| 1+50 | | | |
| Top Cb | 4.33 | 27 | 19 |
| Gutter | 4.70 | 26 | 82 |
| 1+75 | | | |
| Top Cb | 4.04 | 27 | 48 |
| Gutter | 4.49 | 27 | 03 |

31.52

| | | | |
|---|---|---|---|
| 1+95 | | | |
| Top Cb | 3.69 | 27 | 83 |
| Gutter | 4.39 | 27 | 13 |
| 2+0 = H.L. Union | | | |
| Top Cb | 3.49 | 28 | 03 |
| Gutter | 4.49 | 27 | 03 |
| BM | 3.47 | 28.05 | H.W.B.P. Est. Union 28.00 |

Cross Section Art St.
El Cajon Blvd to Catoctin Drive

Indexed
C. S. K.

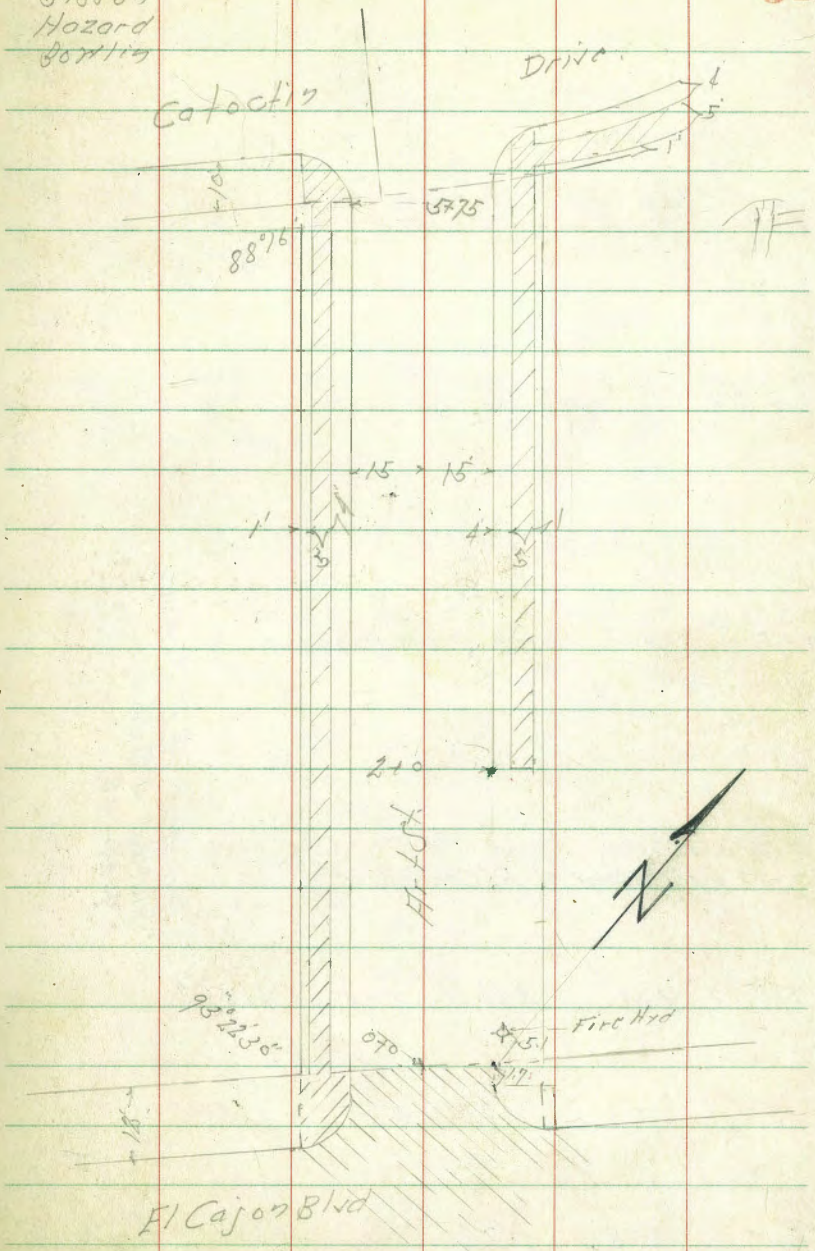



Stas 0+00 - 2+00

See Pg's 55-56

Sept 18-42
Sisson
Hazard
Bowlin





Cross Section Art 57

| | | | | |
|---|---|---|---|---|
| 1+00 | | | | |
| 0+50 | | | | |
| 0+00 = N.L. El Cajon Blvd on Diagonal | | | | |
| 0-12 = N Cb Line of El Cajon Blvd | | | | |
| TP | 3.14 | 466.36 | 5.04 | 463.22 |
| TP | 4.31 | 468.26 | 5.29 | 463.95 |
| B.M. | 3.58 | 469.24 | | 465.66 |

Reduced N.E. Trems
Plotted by B. Hough
9-21-42

N.M. RP El Cajon x Boston

55

Lt: M — Rt: E

61.77 @ 13.5

| 462.28 | 461.6 | 461.8 | 462.0 | 461.8 | 461.2 | 461.1 | 461.0 |
|---|---|---|---|---|---|---|---|
| 4.08 | 4.8 | 4.6 | 4.4 | 4.6 | 4.7 | 5.3 | 5.4 |
| 15-Cb | 15-Gutter | 7.5 | | 7.5 | 15 | 25 | 35 |

61.95 @ 13.5

| 462.67 | 461.9 | 462.1 | 462.2 | 462.1 | 461.9 | 462.2 | 461.5 | 461.3 |
|---|---|---|---|---|---|---|---|---|
| 3.69 | 4.5 | 4.3 | 4.2 | 4.3 | 4.5 | 4.2 | 4.9 | 5.1 |
| 15-Cb Top | 15-Gutter | 7.5 | | 7.5 | 14 | 15 | 25 | 35 |

62.53 @ 13.5

| 463.07 | 462.41 | 462.60 | 462.57 | 462.28 | 462.03 | 462.63 | 462.3 |
|---|---|---|---|---|---|---|---|
| 3.29 | 3.95 | 3.76 | 3.79 | 4.08 | 4.33 | 3.73 | 3.9 |
| 15-Cb Top | 15-Gutter | 7.5 | | 7.5 | 15-Gutter | 15-Top of Curb | 25 |

| 463.14 | 462.79 | 462.40 | 462.37 | 462.31 | 462.22 | 462.07 | 461.80 | 462.49 |
|---|---|---|---|---|---|---|---|---|
| 3.22 | 3.87 | 3.96 | 3.99 | 4.05 | 4.14 | 4.29 | 4.46 | 3.87 |
| 24.7-Top of Curb | 24.7-Curb Gutter | 15 | 7.5 | | 7.5 | 15 | 25-Gutter | 25-Cb & Top |

466.36

| | Lt. | | | ℄ | | | Rt. |
|---|---|---|---|---|---|---|---|
| 3+50 | 461.68<br>4.68<br>15:Cb | 461.5<br>4.9<br>15:Gut. | 461.4<br>5.0<br>7.5 | 461.4<br>5.0 | 461.3<br>5.1<br>7.5 | 461.3<br>5.1<br>15:Gut | 461.65<br>4.71<br>15:Cb |
| 3+0 | 461.68<br>4.68<br>15:Cb | 461.4<br>5.0<br>15:Gutter | 461.4<br>5.0<br>7.5 | 461.5<br>4.9 | 461.3<br>5.1<br>7.5 | 461.4<br>5.0<br>15:Gut. | 461.76<br>4.60<br>15:Cb |
| 2+50 | 461.80<br>4.56<br>15:Cb | 461.4<br>~~460.9~~<br>5.0<br>15:Gutter | 461.4<br>5.0<br>7.5 | 461.4<br>5.0 | 461.3<br>5.1<br>7.5 | 461.4<br>5.0<br>15:Gutter | 461.78<br>4.58<br>15:Cb |
| 2+0 = Sly Cb + Walk on East | 461.90<br>4.46<br>15:Cb | 461.5<br>4.9<br>15:Gutter | 461.5<br>4.9<br>7.5 | 461.7<br>4.7 | 461.5<br>4.9<br>7.5 | 461.4<br>5.0<br>15:Gutter | 461.86<br>4.50<br>15:Sly Cb<br>461.7<br>4.7<br>25 |
| 1+50 | 461.99<br>4.37<br>15:Cb | 461.6<br>4.8<br>15:Gutter | 461.6<br>4.8<br>7.5 | 461.8<br>4.6 | 461.7<br>4.7<br>7.5 | 461.9<br>4.9<br>14 | 462.4<br>4.2<br>15 |
| | | | | | | | 461.6<br>4.8<br>18 |
| | | | | | | | 461.0<br>5.4<br>25 |
| | | | | | | | 460.8<br>5.6<br>35 |

61.46 @ 13.5

61.56 @ 13.5

466.36

466.36

| | | | | |
|---|---|---|---|---|
| 5+75.0 = CL BC of Lt | | | | |
| 5+50 | | | | |
| 5+0 | | | | |
| 4+50 | | | | |
| TP | 4.17 | 465.66 | 4.87 | 461.49 |
| 4+0 | | | | |
| | | 466.36 | | |

| Lt | | | Rt | | | |
|---|---|---|---|---|---|---|
| 461.40 | 460.8 | 460.9 | 461.0 | 460.7 | 460.6 | 461.33 |
| 4.36 | 4.9 | 4.8 | 4.7 | 5.0 | 5.1 | 4.23 |
| 15=CL BC | 15=Gut | 7.5 | | 7.5 | 15 | 15 |
| 461.38 | 460.8 | 461.1 | 461.2 | 461.0 | 460.8 | 461.28 |
| 4.38 | 4.9 | 4.6 | 4.5 | 4.7 | 4.9 | 4.38 |
| 15 | 15 | 7.5 | | 7.5 | 15=Gut | 15 |
| 461.37 | 461.0 | 461.3 | 461.4 | 461.2 | 461.1 | 461.41 |
| 4.39 | 4.7 | 4.4 | 4.3 | 4.5 | 4.6 | 4.25 |
| 15=CL | 15 | 7.5 | | 7.5 | 15 | 15=CL |
| 461.34 | 461.1 | 461.3 | 461.4 | 461.3 | 461.0 | 461.49 |
| 4.14 | 4.6 | 4.4 | 4.3 | 4.4 | 4.7 | 4.17 |
| 15=CL | 15=Gut | 7.5 | | 7.5 | 15=Gut | 15=CL |
| | | | 465.66 | | | |
| 461.57 | 461.3 | 461.5 | 461.5 | 461.4 | 461.3 | 461.60 |
| 4.79 | 5.1 | 4.9 | 4.9 | 5.0 | 5.1 | 4.26 |
| 15=CL | 15=Gut | 7.5 | | 7.5 | 15=Gut Ber | 15=CL |
| | | | 466.36 | | | |

| | | | | | |
|---|---|---|---|---|---|
| BM | | | 2.84 | 465.66 | H.W.B.P. E Colon & 63rd St 465.66 |
| TP | 4.90 | 468.50 | 2.06 | 463.60 | |
| B.M. | | | 4.21 | | S.W. L+T W 3' L of Art S.L. Catoctin |
| 5+85 | = S Curb Line Catoctin | | | | |
| 5+80 | = S.L. Catoctin | | | | |

| | Lt. | | | Σ | | | Rt | | |
|---|---|---|---|---|---|---|---|---|---|
| 461.54 | 461.36 | 461.1 | 460.9 | 461.1 | 461.1 | 460.9 | 460.8 | 460.8 | 461.15 | 461.04 |
| 4.12 | 4.30 | 4.6 | 4.8 | 4.6 | 4.6 | 4.8 | 4.9 | 4.9 | 4.41 | 4.62 |
| 50 | 25=Cb | 7.5=Gutter | 15 | 7.5 | | 7.5 | 15 | 7.5=Gut | 25=Cb | 50=Cb |
| | 461.39 | 461.6 | 460.9 | 461.1 | 460.8 | 460.7 | 461.37 | | | |
| | 4.27 | 4.7 | 4.8 | 4.6 | 4.9 | 5.0 | 4.29 | | | |
| | 15.9=Cb | 15.9=Gutter | 7.5 | | 7.5 | 15.2=Gutter | 15.2=Cb | | | |

Indexed
C.S.K.

1958
30 50
5008

59

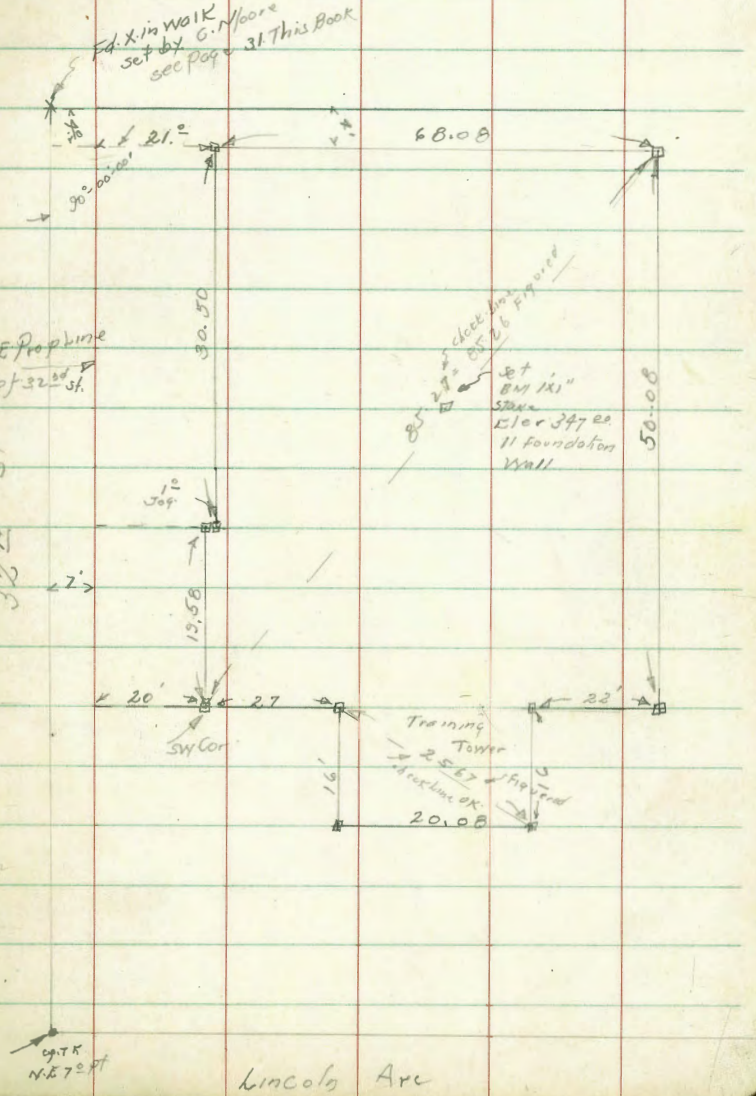
# Fire Station Bldg. Layout. Lots 21-24

Block 160 U.Hts.

| | + | ↑ | − | Elev' | N.E 7°-7X |
|---|---|---|---|---|---|
| B.M. | 5.61 | 349.79 | | 349.18 | Lincoln 32nd see page 32 This Book |
| Ground SW Cor Bldg. | | | 4.21 | 345.58 | |
| " N.W " " | | | 3.05 | 346.74 | |
| " N.E " " | | | 1.80 | 348.00 | |
| " S.E " " | | | 2.76 | 347.03 | |
| Arbitrary Elev floor 0.92 Above SW Cor. | | | 3.29 | 346.50 | |
| Set Stake approx ctr Bldg Elev Foundation Wall | | | 2.79 | 347.00 | |
| SW Cor Training Tower Ground | | | 4.24 | 345.53 | |
| SE " " " " | | | 3.81 | 345.98 | |
| 11/7/42 Reset Tower Stakes | | | | | |
| | 4.95 | 349.13 | | 344.18 | |
| | | | 3.59 | 345.54 | 346.50 |

Bliss Notes
Sommermyer T
Begg Rod
Nov 6, 1942

Note: 1x1' stakes at Bldg Corners

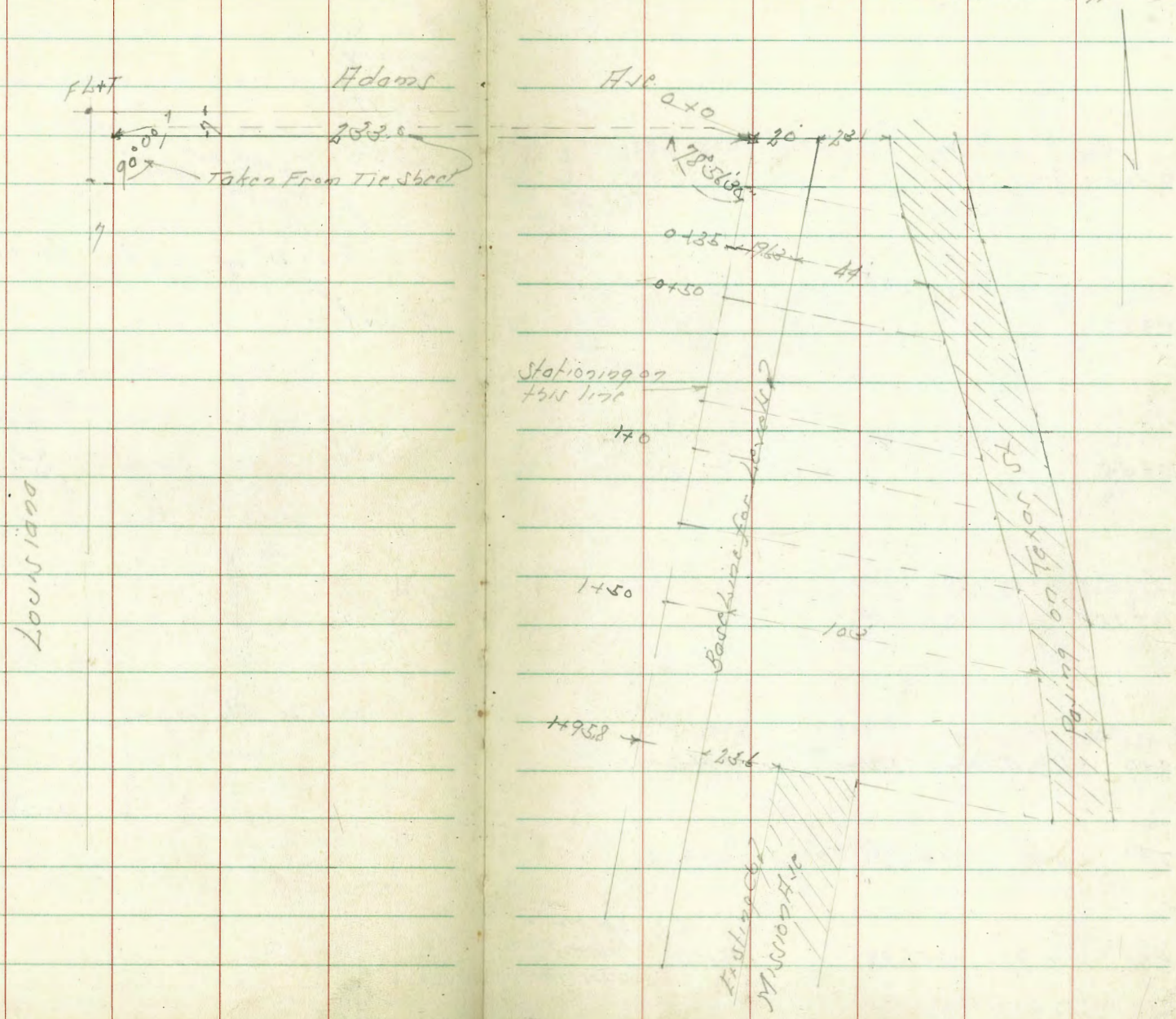


Proposed Can Bin
Adams Ave - Mission Ave + Texas St. Grade
Levels Next Page

Indexed
C.S.K.

Nov. 17-42
Sisson Bliss
Hazard Sommermyer
H.B. Hiser Begg





Levels For Proposed Can Bin
Adams - Mission Ave + Texas St. Grade

| | | | | | |
|---|---|---|---|---|---|
| 0+63 | | | | | |
| 0+50 | | | | | |
| 0+35 | | | | | |
| 0+15 | | | | | |
| 0+0 | = S.L. Adams Taken on Line of Adams | | | | |
| TP | 5.96 | 345.12 | 12.82 | 339.16 | |
| BM | 0.91 | 351.98 | | 351.07 | SW Mon Adams + Louisiana |

Lt. E  ℄  Rt. W  61

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 312.4 | 314.1 | 318.3 | 328.4 | 330.7 | 337.9 | 341.3 | 343.0 | 344.1 |
| 32.7 | 31.0 | 26.8 | 16.7 | 14.4 | 7.2 | 3.8 | 2.1 | 1.0 |
| 59 = Wly Pav | 50 | 44 | 34 | 25 | 15 | | 20 | 40 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 309.1 | 307.6 | 327.9 | 334.5 | 337.8 | 340.5 | 341.3 | 343.2 |
| 36.0 | 37.5 | 17.2 | 10.6 | 7.3 | 4.6 | 3.8 | 1.9 |
| 52 = Wly Pav | 45 | 28 | 10 | | 12 | 20 | 40 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 307.0 | 306.1 | 312.6 | 321.9 | 329.7 | 334.4 | 338.7 | 341.3 |
| 38.1 | 39.0 | 32.5 | 23.2 | 15.4 | 10.7 | 6.4 | 3.8 |
| 44 = Wly Pav | 37 | 30 | 25 | 12 | | 20 | 40 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 303.5 | 303.9 | 316.1 | 323.8 | 329.7 | 335.2 | 339.4 |
| 41.6 | 41.2 | 29.0 | 21.3 | 15.4 | 9.9 | 5.7 |
| 32 = Wly Pav | 24 | 10 | | 5 | 20 | 40 |

| | | | | | |
|---|---|---|---|---|---|
| 301.8 | 308.4 | 314.1 | 320.8 | 330.0 | 336.5 |
| 43.3 | 36.7 | 31.0 | 24.3 | 15.1 | 8.6 |
| 23.1 = Wly Paving | 10 | | 10 | 20 | 40 |

345.12

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BM | | | 2.63 | 342.49 | ✓ Nail Pow Pole<br>0+94<br>13' Lt of ℄ | | | | | | | | | | |
| 1+95.8 | = Opp. Nly Lmp Walk Cb + Paving | | | | 327.7<br>17.4<br>115 = Nly Pav. | 327.0<br>18.1<br>106 | 330.7<br>14.4<br>101 | 330.7<br>14.4<br>78 | 342.0<br>3.1<br>59 | 343.5<br>1.6<br>50 | 343.0<br>2.1<br>48.5 = Ely Pav. Strip | 343.5<br>1.6<br>37 on Pav | 343.75<br>1.37<br>23.6 = Nly Top Curb | 345.6<br>+0.5 | |
| 1+50 | | | | | | | | 322.0<br>23.1<br>103 = Nly Pav. | 320.8<br>24.3<br>95 | 328.3<br>16.8<br>88 | 330.8<br>14.3<br>68 | 335.4<br>9.7<br>54 | 341.6<br>3.5<br>48 | 344.3<br>0.8 | 345.7<br>+0.6<br>20 |
| 1+25 | | | | | | | | 318.3<br>26.8<br>89 = Nly Pav. | 316.9<br>28.2<br>83 | 330.1<br>15.0<br>70 | 335.8<br>9.3<br>57 | 339.4<br>5.7<br>45 | 341.7<br>3.4<br>38 | 344.5<br>0.6 | 345.1<br>0.0<br>20 |
| 1+0 | | | | | | | | 315.1<br>30.0<br>78 = Nly Pav. | | 313.6<br>31.5<br>71 | 329.0<br>16.1<br>58 | 338.5<br>6.6<br>31 | 343.1<br>2.0<br>8 | 343.4<br>1.7 | 344.3<br>0.8<br>20 |
| 0+94 | 13' Lt of Base Line = Power + Tel Pole | | | | | | | | | | | | | | |
| 0+85 | | | | | | | 312.9<br>32.2<br>70 = Nly Pav | 311.9<br>33.2<br>62 | 325.3<br>19.8<br>55 | 328.5<br>16.6<br>48 | 333.0<br>12.1<br>38 | 336.9<br>8.2<br>29 | 340.6<br>4.5<br>12 | 342.7<br>2.4 | 343.6<br>1.5<br>20 |
| | | 345.12 | | | | | | | | | | 345.12 | | | |

Proposed Con Bin East of 39th St
At Edna Place.

Levels Next Page

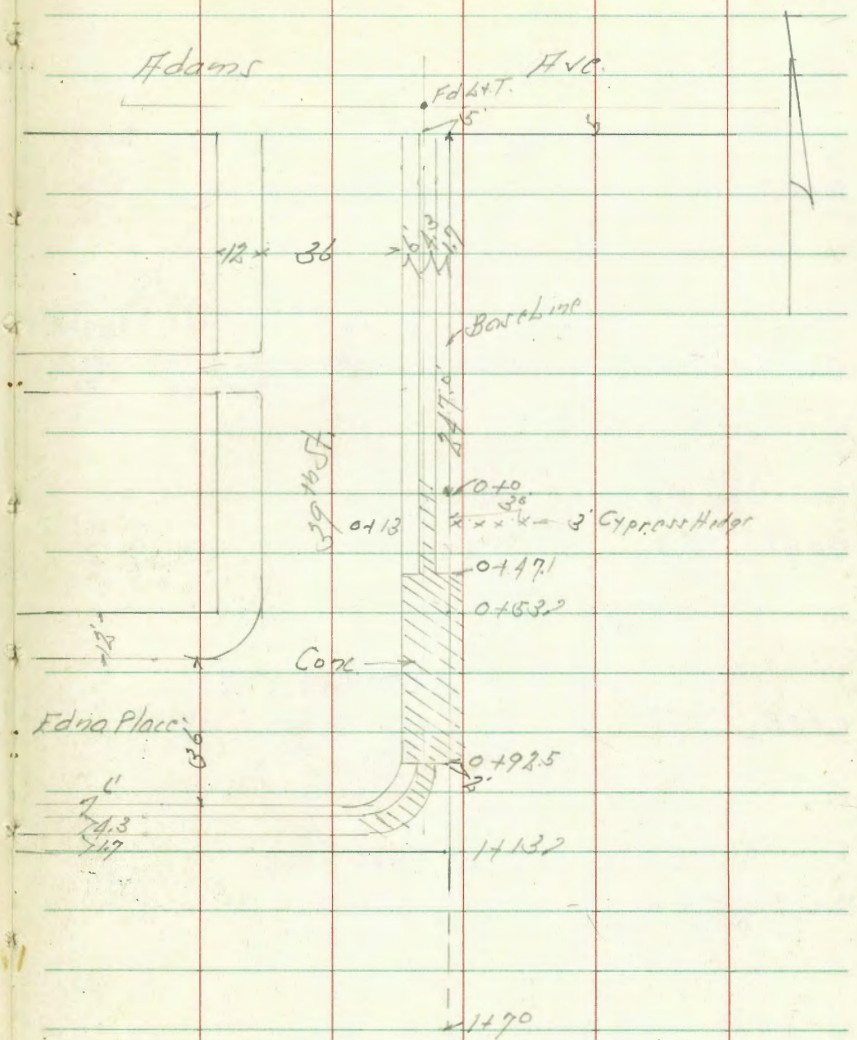
Nov 17-42

Swigert Hazard Hiser

Bliss Sommermyer Bragg

Indexed
C.S.K.

63



Levels For Proposed Can Bin
East of 39th St At Edna Place

Lt = E  ℄  Rt = W  64

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0+83 | | | | | | 327.7 | 327.8 | 336.3 | 336.9 | 368.3 | 369.0 | 370.07 | | |
| | | | | | | 47.4 | 47.3 | 38.8 | 38.2 | 6.8 | 6.1 | 4.98 | | |
| | | | | | | 120 | 70 | 45 | 28 | 19 | 2 | on Conc | | |
| 0+53 | = N.L. Edna Place from West | | | | 332.9 | 333.7 | 336.0 | 336.1 | 337.0 | 341.1 | 369.1 | 370.32 | | |
| | | | | | 42.2 | 41.4 | 39.1 | 39.0 | 38.1 | 34.0 | 6.0 | 4.73 | | |
| | | | | | 80 | 66 | 56 | 40 | 33 | 26 | 20 | on Conc | | |
| 0+47.1 | | | | | | | | | | | 370.15 | | 370.08 | |
| | | | | | | | | | | | 4.90 | | 4.97 | |
| | | | | | | | | | | | 2 = N Ely Conc | | 12 = cb | |
| 0+28 | | | | | | 335.5 | 337.7 | 344.1 | 370.0 | 370.5 | | | | |
| | | | | | | 39.6 | 37.4 | 31.0 | 5.1 | 4.6 | | | | |
| | | | | | | 80 | 53 | 33 | 22 | | | | | |
| 0+17 | | | | | | | 356.4 | 356.4 | 368.3 | 370.7 | 370.15 | | | |
| | | | | | | | 18.7 | 18.7 | 6.8 | 4.4 | 4.90 | | | |
| | | | | | | | 40 | 30 | 30 | | 12 = cb | | | |
| 0+0 | = 247' South of S.L. Adams | | | | | | 367.1 | 368.6 | 370.4 | | | | | |
| | | | | | | | 8.0 | 6.5 | 4.7 | | | | | |
| | | | | | | | 75 | 29 | | | | | | |
| B.M. | 418 | 375.05 | | 370.87 | SFBP Adams & 39th St | | | 375.05 | | | | | | |

| | | | | | | Lt = E | | | | | | | | Rt W |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BM | | | 43.94 | 331.11 | NE Cor South Abt In Bottom | | | | | | | | | |
| 1+70 | | | | | | 328.1<br>47.0<br>90 | 329.1<br>46.0<br>45 | 335.7<br>39.4<br>30 | 337.7<br>37.4<br>13 | 343.1<br>32.0<br>3 | 365.3<br>9.8<br>3 | 370.0<br>5.1 | 370.7<br>4.4<br>25 | |
| 1+50 | | | | | 326.5<br>48.6<br>100 | 327.8<br>47.3<br>57 | 329.6<br>45.5<br>47 | 335.4<br>39.7<br>35 | 336.4<br>38.7<br>23 | 343.1<br>32.0<br>8 | 364.9<br>10.2<br>4 | 370.9<br>4.2 | 371.0<br>4.1<br>30 | |
| 1+35 | | | | | | 325.7<br>49.4<br>117 | | 328.4<br>46.7<br>60 | 334.0<br>41.1<br>42 | 337.1<br>38.0<br>23 | 344.1<br>31.0<br>10 | 363.3<br>11.8 | 370.8<br>4.3<br>4 | 371.1<br>4.0<br>30 |
| 1+22 | | | | | 324.9<br>50.2<br>120 | 327.6<br>47.5<br>75 | 329.6<br>45.5<br>57 | 332.0<br>43.1<br>51 | 335.8<br>39.3<br>38 | 338.5<br>36.6<br>20 | 368.4<br>6.7<br>15 | 370.3<br>4.8 | 370.8<br>4.3<br>30 | |
| 1+13 = S L Edna Place From West. | | | | | | 326.6<br>48.5<br>125 | 327.8<br>47.3<br>75 | 331.1<br>44.0<br>52 | 335.9<br>39.2<br>40 | 338.8<br>36.3<br>23 | 369.6<br>5.5<br>16 | 370.6<br>4.5 | 370.2<br>4.9<br>30 | |
| 0+92.5 | | | | | | | | | | | 370.05<br>5.00<br>2 = S Ely Conc | | 369.94<br>5.11<br>12 = 6 | |
| | | 375.05 | | | | | | | | | | | | |

Bliss
Sommermyer
Begg
12/16/42

Cross Section of Kurtz St East of Noell 200'

| | | | | |
|---|---|---|---|---|
| BM. | 4.44 | 20.27 | 15.83 | Spike in pole SW Kurtz & Noell Set on Serv. Constr. |

Note: Constructed C6 used as a base line for X Sections

0+00 – 31. Ex Rock & oil Paving on Noell

| | | |
|---|---|---|
| 27.6 Rt Ex Con Paving | 9.50 | 10.77 |
| 15 " | 4.88 | 15.39 |
| Base | 4.18 | 16.09 |
| 6.15 Lt S.F. R.R. Rail | 3.67 | 16.60 |

0+00 – 14. W.C. & G. Noell

| | | |
|---|---|---|
| 2.8 Lt Top & End cb | 4.48 | 15.79 |
| Base | 4.7 | 15.6 |
| 15 Rt | 5.1 | 15.2 |
| 27.6 " edge ex Con Paving | 5.77 | 14.50 |
| 29.5 C to P.L. | | |
| 35' Rt in Gutter | 6.52 | 13.75 |

0+00 – 10.5

| | | |
|---|---|---|
| 27.6 Rt end Con Paving on S.F. Return | 5.80 | 14.47 |
| " " Top cb | 5.13 | 15.14 |
| " cb | | |

0+00

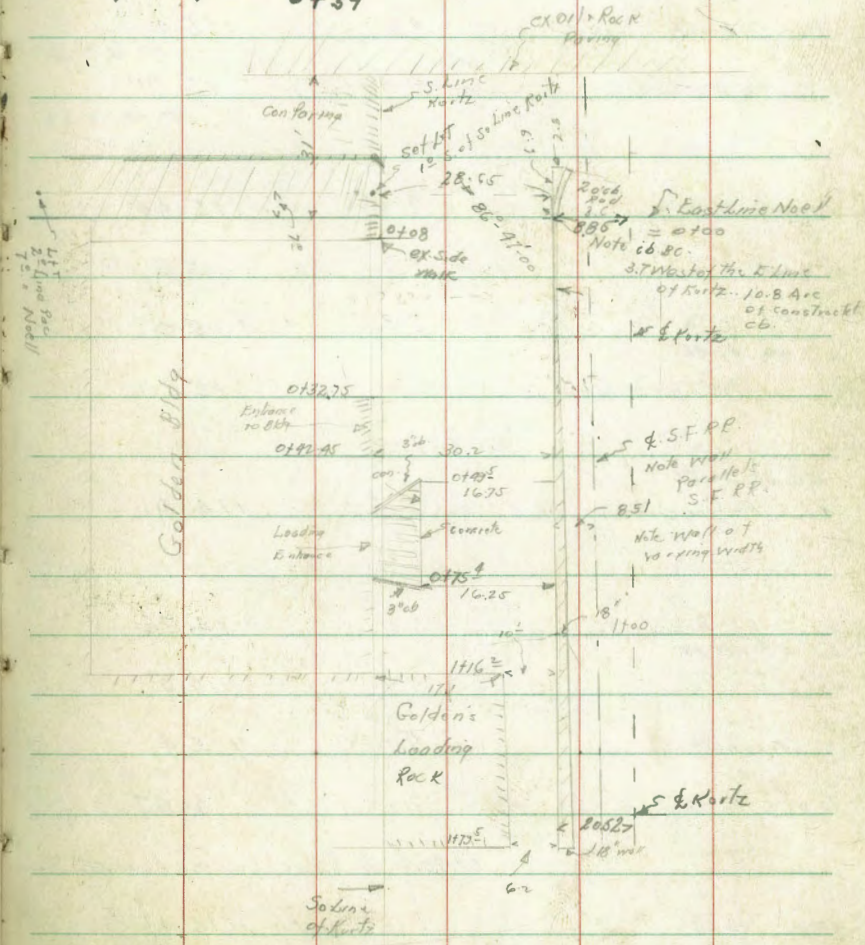
| | | |
|---|---|---|
| 28.65 to P.L. | | |
| 27.4 Rt edge ex Walk | 5.20 | 15.07 |
| 15 " | 5.1 | 15.2 |
| 0+00 on Front | 4.8 | 15.5 |
| " " Top cb | 4.40 | 15.87 |

Indexed
C.S.K.

66

angle in Bldg. 0+51.

Door opening 0+74 / 0+59



| | | |
|---|---|---|
| | 0+03 Gr Lt Pole 16.5 Rt of Centerline | |
| | 0+08 | |
| 28.13 to PL | | |
| 27.2 Rt edge Ex. Walk | 5.28 | 14.99 |
| 15 " | 5.1 | 15.2 |
| 0+00 Ground | 4.9 | 15.4 |
| " " Top cb | 9.38 | 15.89 |
| | 0+25 | |
| Top cb | 9.28 | 15.99 |
| Ground | 5.1 | 15.2 |
| 15' Rt | 5.3 | 15.0 |
| 27.02 to PL | | |
| 28.7 Edge Bldg on Ground | 5.2 | 15.1 |
| | 0+32.75 | |
| 26.52 to PL | | |
| 27.1 Rt Concrete Lip of Bldg Entrance | 5.36 | 14.91 |
| | 0+92.45 | |
| 27.2 Rt E Side of Bldg on Concrete entrance Lip | 5.31 | 14.96 |
| 25.89 to PL | | |
| 15' Rt | 5.9 | 14.9 |
| 0+00 Ground | 4.9 | 15.4 |
| 0+00 Top cb | 4.20 | 16.07 |
| | 0+49.5 W Side of Loading Entrance of Bakery | |
| 0+00 Top cb | 9.16 | 16.11 |
| " " Ground | 5.1 | 15.2 |
| 10' Rt | 5.3 | 15.0 |

| | | |
|---|---|---|
| | 0+49.5 | |
| 16.75 Rt W Side of Loading entrance on concrete | 5.34 | 14.93 |
| " Top Curb | 5.29 | 14.98 |
| 25.43 to PL | | |
| 28' Rt Bldg on Ground | 5.3 | 15.0 |
| | 0+62.5 | |
| 28' Rt | | |
| Floor of Bldg in Loading entrance | 6.20 | 14.07 |
| 24.89 to PL | | |
| | 0+79.5 E Side of Loading entrance of Gas Up | |
| 23.81 to PL | | |
| 16.25 Rt on concrete | 5.30 | 14.97 |
| 4 " Top ex CG | 5.24 | 15.03 |
| 26.5 Rt Bldg Ground | 5.2 | 15.1 |
| 10' Rt | 5.1 | 15.2 |
| 0+00 Ground | 4.8 | 15.5 |
| " " Top cb | 4.05 | 16.22 |
| | 1+00 | |
| Base Top Curb | 3.96 | 16.31 |
| " on Ground | 4.4 | 15.9 |
| 10' Rt | 4.8 | 15.5 |
| 14 " | 5.5 | 14.8 |
| 22.15 to PL | | |
| 27.7 Rt Bldg | 5.1 | 15.2 |
| | 1+16.2 | |
| 27.2 Rt " | 5.1 | 15.2 |
| 21.10 to PL | | |
| 11 Rt | 5.3 | 15.0 |
| 10 " | 4.6 | 15.7 |

| | | |
|---|---|---|
| 0+00 Ground | 5.2 | 151 |
| " " Top cb | 3.86 | 1641 |
| | 1+50 | |
| 0+00 Top cb | 3.72 | 1655 |
| " Ground | 3.7 | 166 |
| 7.8 Rt Golden Rock Grd | 9.4 | 159 |
| 18.90 to PL | | |
| | 1+79.5 Endwall | |
| Base Top wall | 3.59 | 1668 |
| " Ground | 3.8 | 165 |
| 6.2 Rt | 4.6 | 157 |
| 16.98 to PL | | |
| 25 " | 5.0 | 153 |
| | 2+00 | |
| Base 00 Ground | 2.5 | 178 |
| 5' Rt | 2.8 | 175 |
| 8 ' | 4.6 | 157 |
| 18.65 to PL | | |
| 25 " | 5.1 | 152 |

C. Moore
Son Meinmeyer
W. Moore
3-18-43.

Cross Sec. alley 20' wide

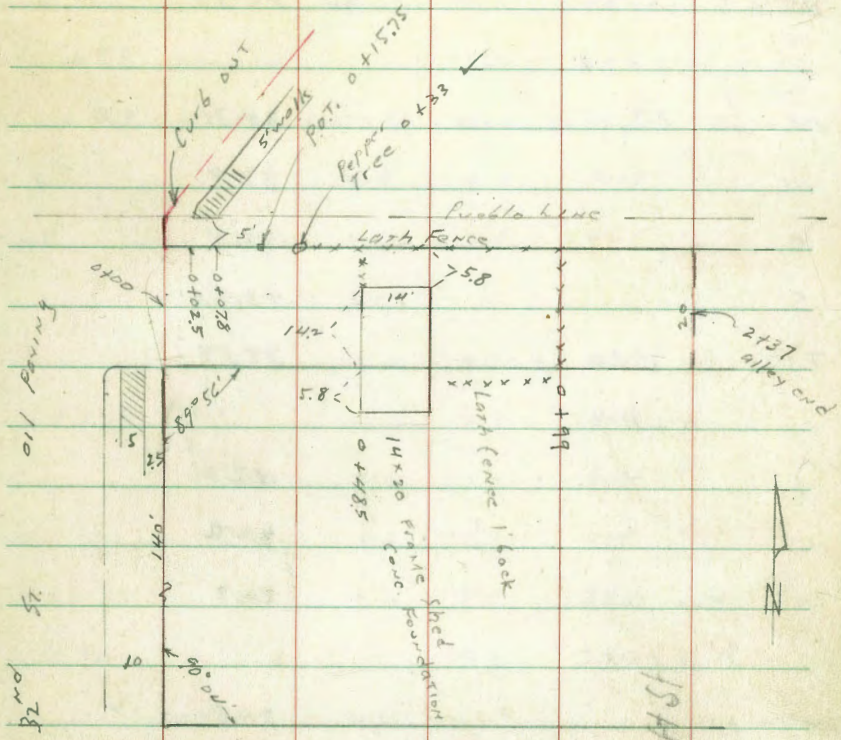
Blk. 285 Seaman & Choates 223

| | | | | | |
|---|---|---|---|---|---|
| NWBP | 0.51 | 51.58 | | 51.07 | 32nd & Logan |
| TP | 2.74 | 41.33 | 12.99 | 38.59 | |
| | 0+10 | | | | |
| S | Top curb | | 4.46 | 36.87 | |
| S | gut oil pav. | | 5.2 | 36.1 | |
| C | " " | | 6.1 | 35.2 | |
| N | " " | | 7.1 | 34.2 | |
| | 0+00 EL 32nd to South | | | | |
| N | | | 6.6 | 34.7 | |
| +5 | | | 6.2 | 35.1 | |
| C | | | 4.6 | 36.7 | |
| S | ground | | 2.8 | 38.5 | |
| S | Top curb | alley Return | 4.35 | 36.98 | |
| | 0+02.5 | | | | |
| S | | | +1.5 | 42.8 | |
| C | | | 2.7 | 38.6 | |
| N | | | 6.6 | 34.7 | |

Reduced By A.E.B.
Plotted By C.B.H. 3-24-1943

Indexed
C.S.K.






Logan Ave

276 Wetmore & Sanborns Add (7)

Bancroft St

New Cross Sections in FB 1023-53
C.B.W. 10-19-51

32nd

2.85

Logan (1) Park 1498

T.P. #170

41.33

| | | | | | |
|---|---|---|---|---|---|
| N + 5 | W edge | Con walk | 6.94 | 34.39 | ✓ |
| | 0 + 07.8 | | | | |
| N − 5 | E edge | Con. walk | 7.02 | 34.31 | ✓ |
| N | | | 3.5 | 37.8 | |
| C | | | + 1.1 | 42.4 | |
| S | | | + 1.8 | 43.1 | |
| T.P. | 7.55 | 46.14 | 2.74 | 38.59 | |
| | 0 + 14 | | | | |
| S | | | 3.1 | 43.0 | |
| C | | | 3.9 | 42.2 | |
| N | Top Bank | | 5.3 | 40.8 | |
| | 0 + 48.5 | | | | |
| N − 30 | | | 11.4 | 34.7 | ✓ |
| N | | | 5.1 | 41.0 | |
| + 5.8 | ground | | 5.0 | 41.1 | |
| + 5.8 | N.W. Con | 14 × 20 BH | 4.1 | 42.0 | ✓ Con. Top Fd |
| C | ground | | 4.6 | 41.5 | |
| S | " | | 3.6 | 42.5 | |
| T.P. | 4.54 | 44.04 | 6.06 | 40.08 | |
| | 0 + 04.5 | | | | |
| N − 30 | | | 9.8 | 34.8 | ✓ |

44.04

| | | | | | |
|---|---|---|---|---|---|
| N | | | 4.1 | 40.5 | |
| + 5.8 | ground | | 3.6 | 41.0 | |
| + 5.8 | N.E. Con | 14 × 20 Bldg | 2.65 | 41.97 | ✓ Con Top Fd. |
| C | | | 3.2 | 41.4 | |
| S | | | 2.1 | 42.5 | |
| | 0 + 99 | | | | |
| S | | | 0.9 | 43.2 | |
| + 1 | | | 2.7 | 41.9 | |
| C | | | 3.2 | 41.4 | |
| N | | | 3.8 | 40.8 | |
| + 1 | | | 5.6 | 39.0 | ✓ |
| + 30 | | | 9.6 | 35.0 | ✓ |
| | 1 + 00 | | | | |
| − 30 | | | 9.6 | 35.0 | |
| N | | | 5.2 | 39.4 | |
| C | | | 4.0 | 40.6 | |
| S | P.P. on Line | | 2.7 | 41.9 | |
| | 1 + 35 | | | | |
| S | | | 3.1 | 41.5 | |
| C | | | 4.5 | 40.1 | |
| N | | | 5.6 | 39.0 | |

44.62

| | | | | | |
|---|---|---|---|---|---|
| | 1+35 | | | | |
| N + 30 | | | 12.3 | 32.3 | ✓ |
| | 1+70 | | | | |
| N - 30 | | | 14.4 | 30.4 | |
| N | | | 6.3 | 38.3 | |
| C | | | 4.6 | 40.0 | |
| S | | | 3.1 | 41.5 | |
| | 1+98 | | | | |
| S + 1.2 P.P. | | | | | |
| | 2+00 | | | | |
| S | | | 2.9 | 41.7 | |
| C | | | 3.8 | 40.8 | |
| N | | | 6.3 | 38.3 | |
| ± 19 | Top old RR Cut | | 12.7 | 34.9 | ✓ |
| | 2+15 | | | | |
| N - 17 | Top old RR Cut | | 12.6 | 32.0 | |
| N | | | 8.0 | 36.6 | |
| C | | | 5.7 | 38.9 | |
| S | | | 5.2 | 39.4 | |
| T.P. | 1.09 | 33.31 | 12.40 | 32.22 | |
| | 2+37 E. end 20' alley | | | | |
| S | | | 0.7 | 32.6 | |

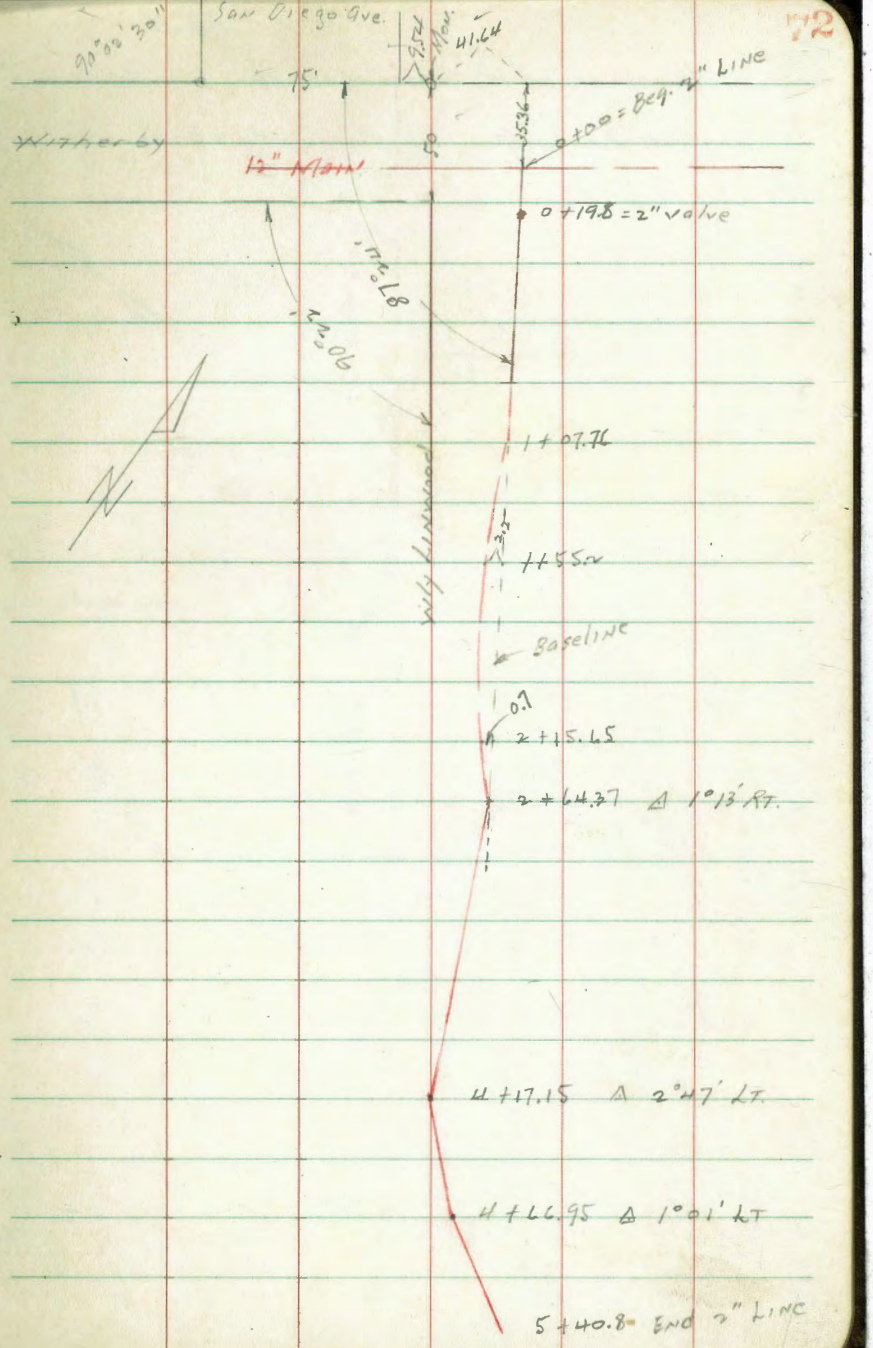
33.31

| | | | | | |
|---|---|---|---|---|---|
| C | | | 1.8 | 31.5 | |
| N | | | 4.0 | 29.3 | |
| +15 | Top Cut | | 5.2 | 27.7 | ✓ |
| | N+47 = 30' E of E end alley | | | | |
| N - 17 | Bot Cut | | 20.1 | 13.2 | |
| N - 7 | Top " | | 12.8 | 20.5 | |
| N | | | 11.5 | 21.8 | |
| C | | | 11.0 | 22.3 | |
| S | | | 9.9 | 23.4 | |
| T.P. | 12.27 | 45.09 | 1.09 | 32.22 | |
| T.P. | 7.74 | 51.93 | 0.90 | 44.19 | |
| check back to orig. BM | | | 0.85 | 51.08 | 51.07 |

Indexed
C.S.K.

Moore Location of 2" water line on
4-20-43 Linwood bet. Wisherby & Bandini Sts.

See T.P.B.K. #1 - P 50

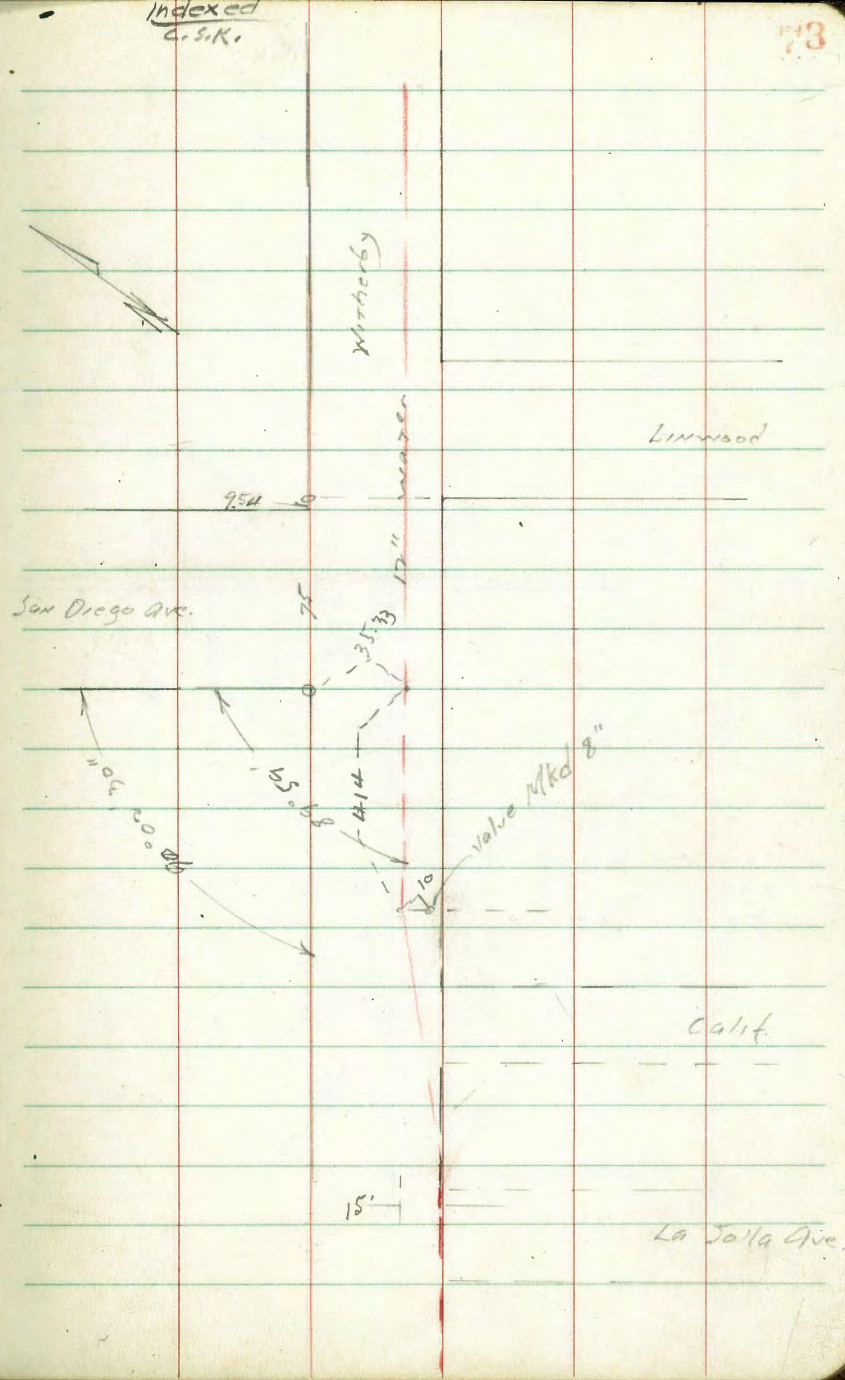


Location of 12" Water Main on

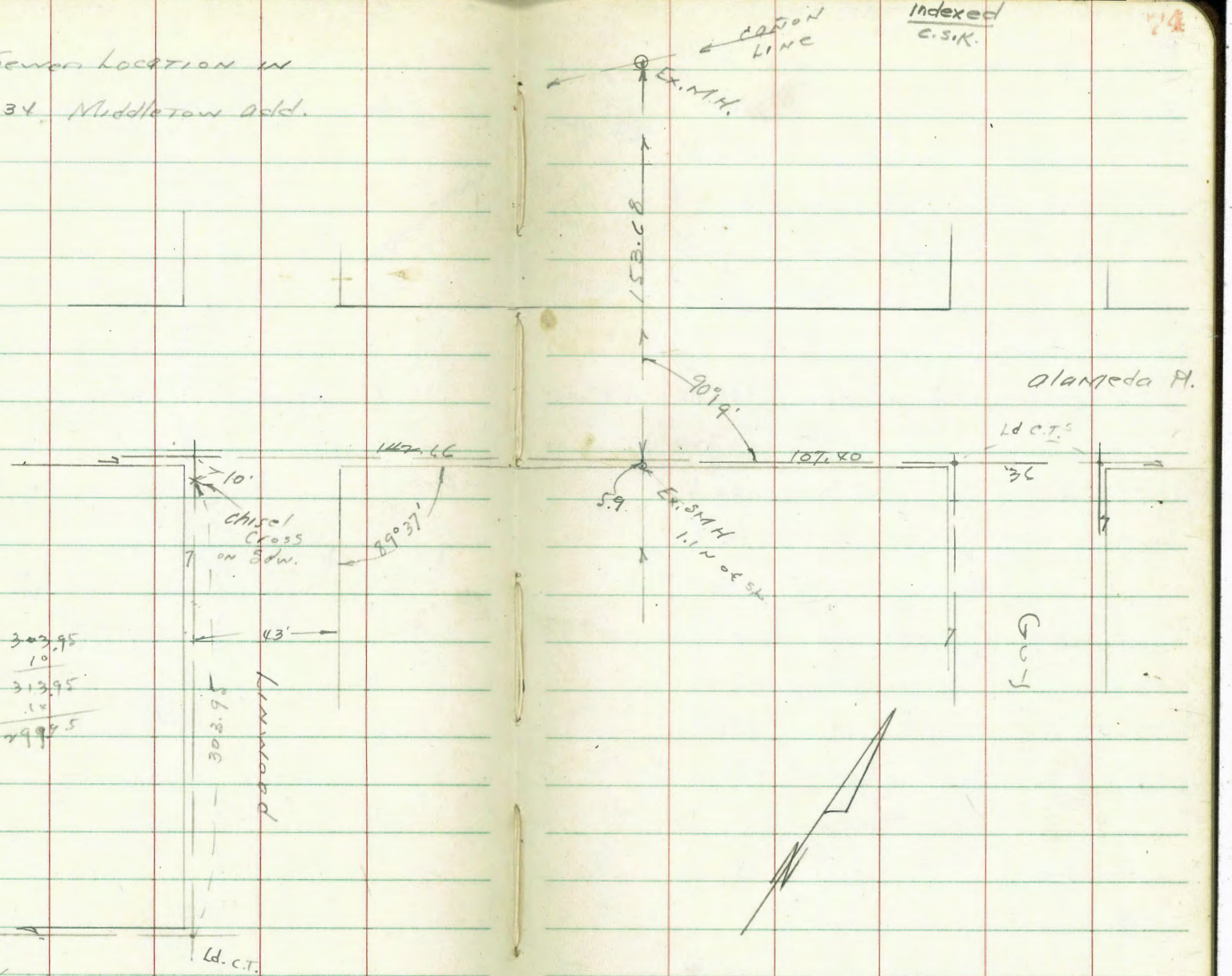
Witherby St. Moore 4-26-43.

Indexed
C.S.K.



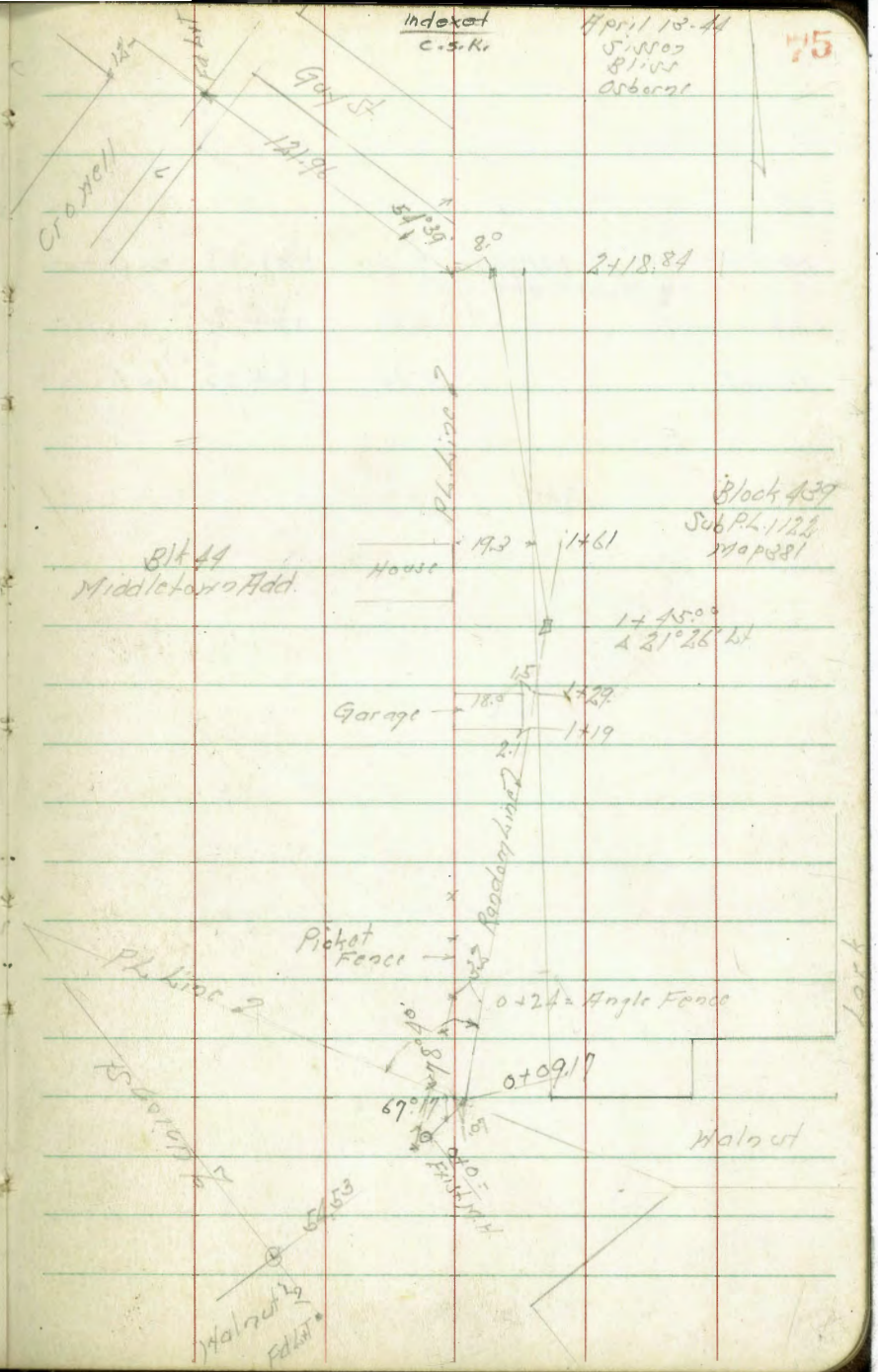


C. Moore Sewer Location in
8-9-43. Blk 34. Middletown Add.



Proposed Sewer Block 44 Middletown Add
And Block 439 Sub. P.L. 1122 Map #381

| | | | | | |
|---|---|---|---|---|---|
| BM | 12.32 | 88.66 | | 76.34 | NEBP Glenwood & 17 4/14/44 |
| | 13.06 | 101.40 | 0.32 | 88.34 | |
| | 11.07 | 111.79 | 0.68 | 100.72 | |
| | 12.11 | 123.62 | 0.28 | 111.51 | |
| | 13.11 | 136.29 | 0.44 | 123.18 | |
| BM Set | 12.52 | 148.66 | 0.15 | 136.14 | NWBP Walnut & Union |
| 0+0 = Existing Man Hole | | | 4.70 | 143.96 | on Rim Ex ℄ |
| " | | | 11.40 | 137.26 | Flow Line |
| +09.17 | Δ | | 4.1 | 144.6 | |
| +50 | | | 0.4 | 148.3 | |
| " | 7.7' Lt = Fence | | 0.4 | 148.3 | |
| TP | 12.59 | 161.02 | 0.23 | 148.43 | |
| 1+0 | | | 8.8 | 152.2 | |
| " | 16' Lt = Fence Line | | 7.7 | 153.3 | |
| +24 = ℄ Garage Dirt Floor | | | 6.0 | 155.0 | |
| +39.5 | 3.3' Lt = ℄ 16" Euc. Tree | | | | |
| 1+45.0 | Δ 21°26' Lt | | 3.56 | 157.46 | on Stub |
| +59 | 1.8' Lt = ℄ 18" Euc Tree | | | | |
| +61 | 19.3' Lt = Cor House | | 3.4 | 157.6 | |
| +71 | 1.0' Rt = ℄ 14" Euc Tree | | | | |



| | | | | | |
|---|---|---|---|---|---|
| | | <161.02> | | | |
| TP | 7.95 | <168.19> | 0.78 | <160.24> | |
| 1+87 | 3.2' Rt = ℄ 18" Euc Tree | | | | |
| +98 | 19.0 Lt = ℄ + Fly Ho. 1½ Story Frame | | 7.12 | 161.07 | on Ground Floor |
| ℄+0 | | | 5.5 | 162.7 | |
| +18.84 | | | 3.84 | 164.35 | on Stub |

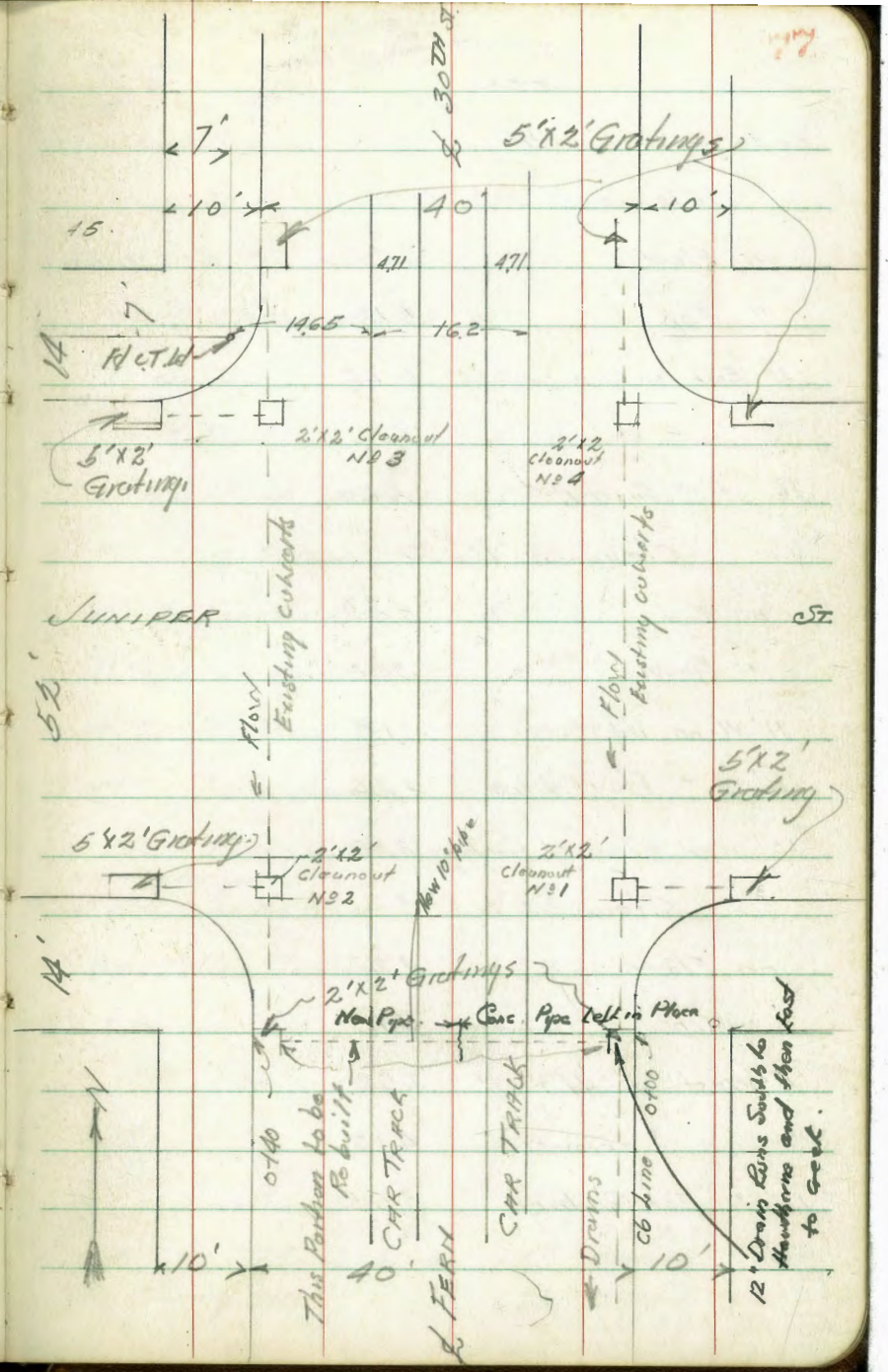
Walker
Hazard
Hardin
5-8-45

30TH And FERN ST.

Indexed
C.S.K.

Preliminary Levels for Rebuilding Storm Drain

| | | | | | |
|---|---|---|---|---|---|
| | | | | | S.E.B.P. |
| | 2.47 ~~2.53~~ | 291.47 ~~291.53~~ | | 289.00 | |
| T.P. | 3.10 | 288.07 ~~288.13~~ | 6.50 | 284.97 ~~285.03~~ | |
| 0+00 on curb | | | 5.17 | | |
| " Grating = Gutter | | | 5.56 | | |
| 0+01 = Flow from North | | | 6.41 | | |
| 0+01 = Flow to South | | | 7.17 | | |
| 0+02 = " from West | | | 6.74 | | |
| 0+02 on Grating = Paving | | | 5.23 | | |
| 0+07 on Paving | | | 4.69 | | |
| +12.5 on E Rail of East Track Car Track | | | 4.09 | | |
| +16.7 " " " W Rail | | | 4.08 | | |
| +23.65 on E Rail of W Track | | | 4.07 | | |
| 0+28.36 " W " " " | | | 4.07 | | |
| +32.9 on Paving | | | 3.73 | | |
| " " Flow Existing Drain | | | 5.7 | | |
| 0+38 on Flow to East | | | 5.20 | | |
| 0+39 " Flow from North | | | 4.41 | | |
| 0+38 | | | 3.40 | | |
| 0+39 on Hd Wall = Paving to North | | | 3.18 | | |



Form & Juniper Drain - Laterals

| | 288.07 / 288.43 |
|---|---|
| 0+40 = on W cb 38th | 3.20 |
| Cleanout N° 1 | |
| on Flow | 6.42 |
| " Top | 5.18 |
| 11' East on Flow in lot N°1 | 6.26 |
| " " " cb | 5.02 |
| 16' " " Gutter | 5.60 |
| Cleanout N° 2 | |
| on Top | 4.23 |
| " Flow | 3.01 |
| 11' W on Hd Wall | 3.13 |
| 11' W " Flow Line | 4.26 |
| 16' West = Toe of Grating | 3.50 |
| Cleanout N° 3 | |
| on Flow | 4.22 |
| " Top | 3.13 |
| 11' West on Hd Wall | 2.99 |
| " " " Flow | 4.10 |
| 16' " Toe Grating | 3.55 |

| | 288.73 / 288.07 | | |
|---|---|---|---|
| # 15' N of St. cleanout N°3 | | | |
| on Hd Wall in Lot | | 3.10 | |
| on Flow | | 4.10 | |
| 20' N on Toe Grating | | 3.86 | |
| Cleanout N° 4 | | | |
| on Top | | 6.14 | |
| " Flow | | 5.08 | |
| 15' North on Hd Wall | | 5.05 | |
| " " " Flow | | 6.09 | |
| 20' " Toe Grating | | 5.46 | |
| 11' East on Hd Wall | | 5.02 | |
| " " " Flow | | 6.12 | |
| 16' " " Toe Grating | | 5.53 | |
| East Gutter Form | | | |
| St. Juniper = 0+00 on Hd Wall | | 5.08 | |
| 0+02 Toe Grating | | 5.57 | |
| +50 on Gut | | 5.63 | |
| " " cb | | 5.31 | |
| 1+50 " " | | 5.41 | |
| " " Gut | | 5.87 | |
| T.P. | 7.75 | 293.97 / 294.03 | 1.85 | 286.22 / ~~286.28~~ |
| Chk Starting B.M. | | | 4.98 | ~~289.05~~ 288.99 / 289.00 |

Proposed Sewer Block 251 Bergin's Add
Between Main St + Dalbergia St. Siva St + Rigel St

| | | | | | |
|---|---|---|---|---|---|
| BM | 6.55 | 11.76 ✓ | | 5.21 | HWL+T N of Main WL Siva |
| 0-8.05 = Existing M.H. | | | 13.51 | 8.25 | on Rim |
| " " | | | 19.30 | -7.54 | Flow Line 6.76 |
| 0+0 | | | 5.00 | 6.8 | on Stub |
| +50 | | | 4.6 | 7.2 | |
| 1+0 | | | 4.8 | 7.0 | |
| +50 | | | 4.4 | 7.4 | |
| 2+0 | | | 4.9 | 6.9 | |
| +50 | | | 4.7 | 7.1 | |
| 3+0 | | | 5.2 | 6.6 | |
| +65 | | | 4.86 | 6.90 | on Stub |

Indexed
C.SK.

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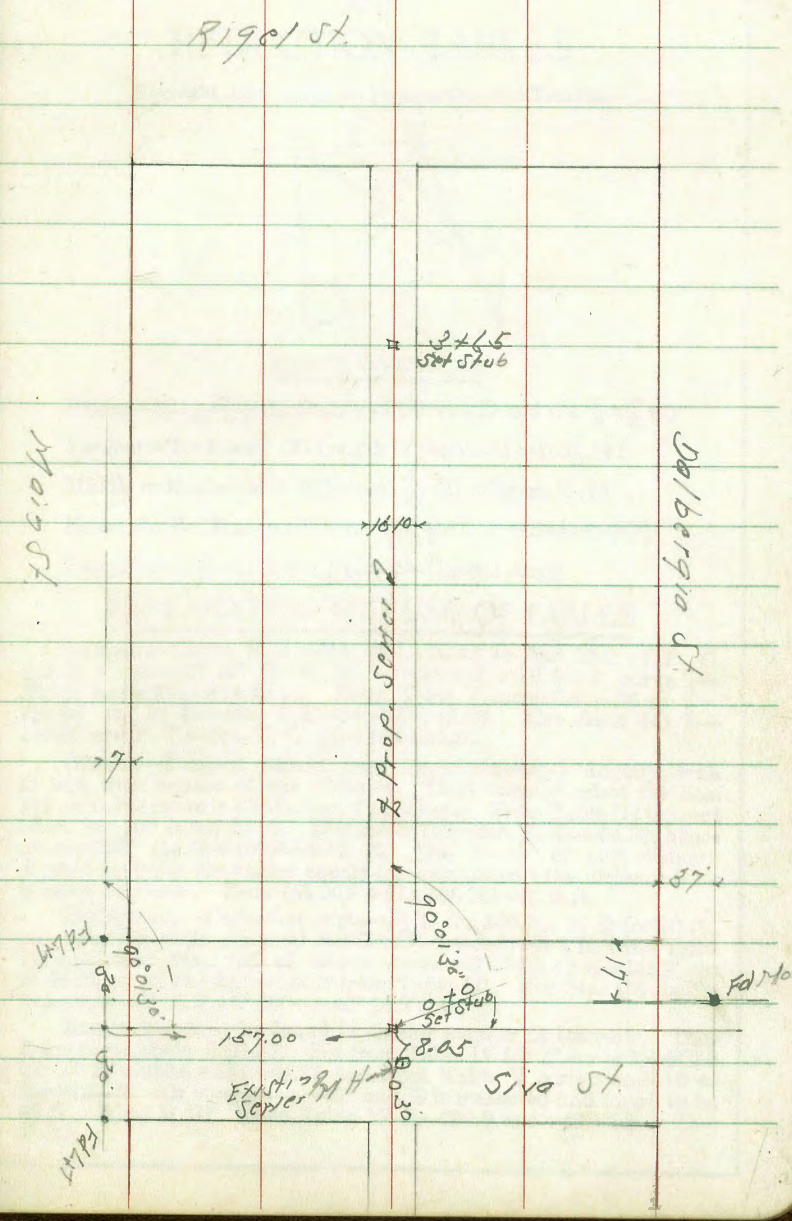

# DIETZGEN'S RAILROAD CURVE AND REDUCTION TABLES

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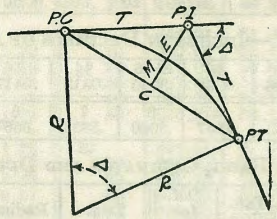


## CURVE FORMULAS

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

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

Middle ordinate=M= R(1—cos. $\frac{\Delta}{2}$) (5) =Rvers $\frac{\Delta}{2}$ (6)

External=E=Ttan$\frac{\Delta}{4}$ (7) =R÷cos.$\frac{\Delta}{2}$—R (8)=Rexsec$\frac{\Delta}{2}$ (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. Δ=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 $(54.50)^2\div(2\times688.26)$=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 91.37. For from Table IV for 1° curve E=960.6 for 8° 20′=960.6÷8⅓=91.27 and from Table V correction=.10 or E=91.37 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′.

## 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 roadbed 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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