Univ. Ave Extension 1917

# LEVEL BOOK.

No. 410

F.B. 583

MICROFILMED
DEC 14 1964

Indexed to date Mar. 1. 1918 A.W.B.

Card index brought up to date Mar. 1, 1918.

18
98
52

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Univ Ave Extension
Winona East To Douglas

Transit Book
83-Pages
1-3-

Ford-Gray Olson-
Jan 12-1917

N Left Right S 1

| Sta | + | HI | − | Elev | +40' +80' | +30' | +20' | ℄ | +20' | +30' | +40' |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BM | | | | 331.54 | Book 63 Page 5- Spike in White Fence Post NW Univ + Winona | | | | | | |
| 0+00 | 8.53 | 340.07 | | | 7.1 33.0 | 6.7 33.4 | 6.5 33.6 | 6.0 34.1 | 6.2 33.9 | 6.1 34.0 | 6.0 34.1 |
| +56.33 P.C.R. | | | | | 6.1 34.0 | 6.1 34.0 | 6.4 33.7 | 6.3 33.8 | 6.2 33.9 | 5.9 34.2 | 5.4 34.7 |
| 1+00 | | | | | 4.7 35.4 | 5.2 34.9 | 5.4 34.7 | 5.0 35.1 | 5.6 34.5 | 6.0 34.1 | 6.2 33.9 |
| 1+50 | | | | | 3.6 36.5 | 3.7 36.4 | 4.2 35.9 | 4.7 35.4 | 4.8 35.3 | 4.9 35.2 | 5.4 34.7 |
| 2+00 | | | | | 3.8 36.3 | 3.9 36.2 | 4.4 35.7 | 4.7 35.4 | 5.0 34.1 | 5.4 34.7 | 5.8 34.3 |
| +50 | | | | | 5.3 34.8 | 5.1 35.0 | 5.0 35.1 | 5.0 35.1 | 5.0 35.1 | 5.2 34.9 | 5.6 34.5 |
| 3 | | | | | 5.7 34.4 | 6.0 34.1 | 6.6 33.5 | 6.3 33.8 | 5.9 34.2 | 5.1 35.0 | 5.4 34.7 |
| +12.29 | | | | | 6.1 34.0 | 6.6 33.5 | 7.2 32.9 | 7.6 32.5 | 5.6 34.5 | 5.6 34.5 | 5.6 34.5 |
| +50 | | | | | 5.8 34.3 | 7.0 33.1 | 8.1 32.0 | +3 10.5 29.6 10.1 30.0 | +3 10.5 29.6 8.7 31.4 | 8.3 31.8 | 8.1 32.0 |
| T.P. on 4 ℄ 4 | | | 8.73 | 331.34 | 5.0 35.1 | 5.8 34.3 | 6.6 33.5 | 8.73 331.34 | | | |
| | | | | | | | | | | | Jan 22-17 Ford-Olson Brown |
| B.M. | | | | 331.54 | | | | | | | |
| on 4+00 ℄ | 8.46 | 340.00 | 8.66 | 331.34 | | | | | | | |
| 4+29.17 | 5.65 | 336.99 | | | | | | 5.0 32.0 | | | |
| +50 | | | | | 2.3 34.7 | 3.1 33.9 | 4.0 33.0 | 7.0 [illegible] | 11.2 25.8 | 13.6 23.4 | 16.8 20.2 |
| +71.6 | | | | | 3.2 33.8 | 3.8 33.2 | 5.0 32.0 | 8.5 28.5 | | | |
| 5 | | | | | 3.8 33.2 | 5.0 32.0 | 6.0 31.0 | 9.4 27.6 | | | |
| +50 | | | | | 5.5 31.5 | 6.6 30.4 | 7.6 29.4 | 9.8 27.2 | | | |

| Sta | + | H.I. | − | Elev | Left +40' | Left +30' | Left +20' | Left ℄ | Right +20' | Right +30' | Right +40' |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 6+00 | | 336.99 | | | 7.4<br>29.6 | 8.5<br>28.5 | 9.6<br>27.4 | 11.6<br>25.4 | | | |
| TP on 6+50 Left | | | | | 10.6<br>26.4 | 11.7<br>25.3 | 12.5<br>24.5 | | | | |
| +50 | | | 10.60 | 326.39 | | | | | | | |
| 4+71.6 | 4.90 | 331.29 | | | | | | | 7.5<br>23.8 | 10.5<br>20.8 | 15.1<br>16.2 |
| 5 | | | | | | | | | 8.9<br>22.4 | 11.4<br>19.9 | 14.7<br>16.6 |
| 5+50 | | | | | | | | | 7.4<br>23.9 | 9.5<br>21.8 | 12.6<br>18.7 |
| 6 | | | | | | | | 5.9<br>25.4 | 7.8<br>23.5 | 8.5<br>22.8 | 9.6<br>21.7 |
| TP on 6+50 L | | | | | | | | | | | |
| 6+50 | | | 4.90 | 326.32 | | | | 8.6<br>22.7 | 10.5<br>20.8 | 11.6<br>19.7 | 14.2<br>17.1 |
| 7+00 | 0.70 | 327.09 | | | 4.2<br>22.9 | 5.6<br>21.5 | 7.5<br>19.6 | 10.2<br>16.9 | 13.0<br>14.1 | 14.4<br>12.7 | 15.4<br>11.7 |
| TP 7+50 Left | | | | | 10.0<br>17.1 | 11.5<br>15.6 | 13.2<br>13.9 | | | | |
| +50 | | | 9.96 | 317.13 | | | | | | | |
| 7+50 | 2.36 | 319.49 | | | | | | 8.2<br>11.3 | 11.2<br>08.3 | 12.6<br>06.9 | 14.2<br>05.3 |
| TP on 8+00 L | | | | | 7.4<br>12.1 | 9.7<br>09.8 | 11.5<br>08.0 | 14.0<br>05.5 | | | |
| 8+00 | | | 7.35 | 312.14 | | | | | | | |
| 8+00 | 0.08 | 312.22 | | | | | | 6.8<br>05.4 | 10.1<br>02.1 | 12.3<br>299.9 | 14.2<br>298.0 |
| TP on 8+36.49 L | | | | | 12.7<br>299.5 | 13.0<br>299.2 | 13.0<br>299.2 | 13.2<br>299.0 | | | |
| 8+36.49 | | | 12.69 | 299.55 | | | | | | | |
| TP on 8+36.49 R | | | | | | | | | 6.2<br>96.8 | 9.1<br>93.9 | 11.3<br>91.7 |
| 8+36.49 | 3.43 | 302.98 | 11.31 | 291.67 | | | | | | | |
| on 9+00 L | | | | | 9.8<br>84.3 | 10.4<br>83.7 | 10.5<br>83.6 | 11.5<br>82.6 | 12.7<br>81.4 | 12.8<br>81.3 | 13.3<br>80.8 |
| 9+00 | 2.43 | 294.10 | 9.75 | 284.35 | | | | | | | |
| 9+50 | 6.53 | 290.88 | | | 8.7<br>82.2 | 10.4<br>80.5 | 10.6<br>80.3 | 10.8<br>80.1 | 11.1<br>79.8 | 11.4<br>79.5 | |
| 10 | | | | | 9.6<br>81.3 | 9.8<br>81.1 | 10.0<br>80.9 | 10.2<br>80.7 | 10.6<br>80.3 | 10.9<br>80.0 | 10.6<br>80.3 |
| 10+14 | | | | | | | | 10.5<br>80.4 | | | |
| +22 | | | | | | | | 12.4<br>~~80.5~~<br>78.3 | Crosses Road at 90° | | |
| | | | Bottom drain - 3'x2' Wood | | | | | 78.5 | | | |

| Sta | + | HI | − | Elev |
|---|---|---|---|---|
| 10+27 | | 290.88 | | |
| 10+50 | | | | |
| TP on 11+50 ℄ | | | | |
| 11 | | | 4.72 | 286.16 |
| TP on 11+50 ℄ | | | | |
| 11+50 | 10.87 | 297.03 | 1.09 | 295.94 |
| 11+50 | 12.93 | 308.87 | | |
| TP on 12 ℄ | | | | |
| 12+00 | | | 0.90 | 307.97 |
| 12+00 | 11.81 | 319.78 | | |
| 12+20 | | | | |
| T.P. 12+50 ℄ | | | | |
| 12+50 | | | 2.62 | 317.16 |
| 12+50 | 11.99 | 329.15 | | |
| 13+00 | | | | |
| +23.32 | | | | |
| TP on 13+50 ℄ | | | | |
| 13+50 | | | 1.44 | 327.71 |
| 13+00 | 9.14 | 336.85 | | |
| 13+23.32 | | | | |
| 13+50 | | | | |
| 14 | | | | |
| TP on 14+50 R | | | | |
| 14+50 | | | 9.19 | 327.66 |
| 14+00 | 3.16 | 330.82 | | |

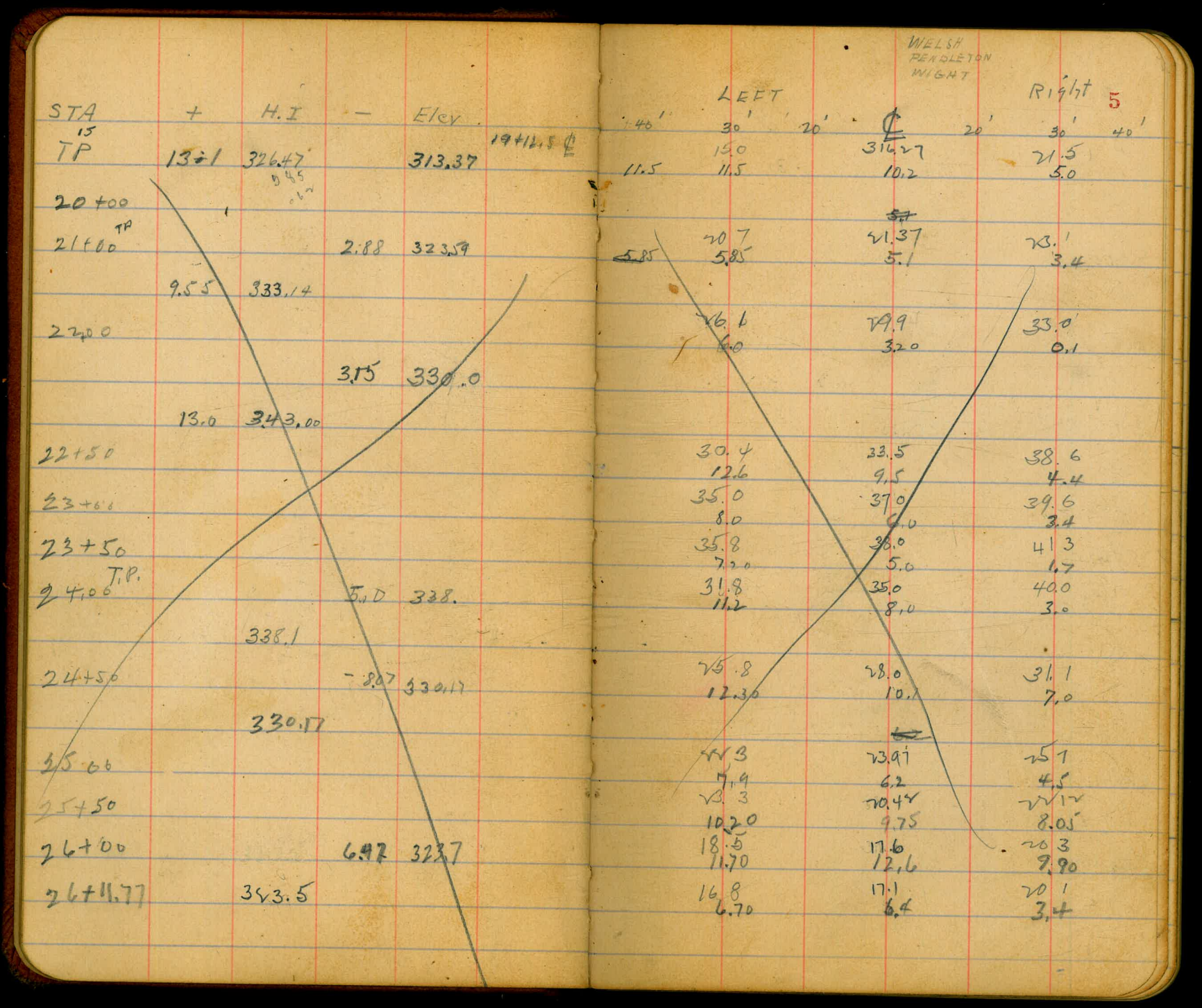
| Left +40' | Left +30' | Left +20' | ℄ | Right +20' | Right +30' | Right +40' |
|---|---|---|---|---|---|---|
| | | | 10.4 | | | |
| | | | 80.5 | | | |
| 8.1 | 8.6 | 8.8 | 9.5 | 10.2 | 10.7 | 10.3 |
| 82.8 | 82.3 | 82.1 | 81.4 | 80.6 | 80.2 | 80.6 |
| 7.8 | 8.0 | 8.3 | 7.8 | 6.4 | 5.2 | 3.4 |
| 83.1 | 82.9 | 82.5 | 83.1 | 83.4 | 85.7 | 87.5 |
| 10.9 | 8.5 | 6.0 | | | | |
| 86.1 | 88.5 | 91.0 | | | | |
| | | | 12.9 | 10.2 | 8.0 | 6.2 |
| | | | 296.0 | 298.7 | 300.0 | 302.7 |
| 11.2 | 6.7 | 4.2 | 0.90 | | | |
| | 304.2 | 304.7 | 308.0 | | | |
| | | | | 9.1 | 7.9 | 6.7 |
| | | | | 310.7 | 311.9 | |
| 17.8 | 13.0 | 11.0 | 8.00 | 5.6 | 4.3 | 2.3 |
| 302.0 | 06.8 | 308.8 | 11.8 | 314.7 | 15.5 | |
| 10.0 | 7.7 | 5.8 | 2.6 | | | |
| 09.8 | 14.1 | 314.0 | 17.2 | | | |
| | | | | 8.8 | 7.6 | 6.2 |
| | | | | 320.4 | 21.6 | |
| 14.2 | 11.5 | 9.0 | 4.8 | | | |
| 15.0 | 17.7 | 320.7 | 24.4 | | | |
| 10.8 | 8.6 | 6.4 | 2.9 | | | |
| 19.4 | 20.6 | 322.8 | 26.3 | | | |
| 8.8 | 6.5 | 4.4 | 1.44 | | | |
| 20.4 | 22.7 | 324.8 | 27.8 | | | |
| | | | | 9.8 | 9.1 | 8.2 |
| | | | | 327.1 | 27.7 | |
| | | | | 8.1 | 7.1 | 6.5 |
| | | | | 28.8 | 29.7 | 30.3 |
| | | | | 7.0 | 6.1 | 5.2 |
| | | | | 29.9 | 30.7 | |
| | | | 10.0 | 7.9 | 6.7 | 5.7 |
| | | | 26.8 | 29.0 | 30.1 | 31.1 |
| | | | | 12.0 | 10.6 | 9.2 |
| | | | | 24.9 | 26.2 | 27.6 |
| 9.5 | 7.9 | 6.4 | | | | |
| 21.3 | 22.9 | 324.4 | | | | |

| Sta | + | HI | − | Elev |
|---|---|---|---|---|
| T.P. on 15+00 Right | | | | |
| 14+50 | | 330.82 | 10.58 | 320.24 |
| 15 | 1.82 | 322.06 | | |
| T.P. on 15+50 R | | | | |
| 15+50 | | | 7.78 | 314.28 |
| 15+50 | 0.77 | 315.05 | | |
| T.P. on 16+00 ℄ | | | | |
| 16+00 | | | 12.24 | 302.81 |
| 16+00 | 5.72 | 308.53 | | |
| 16+50 | | | | |
| 16+63 | | | | |
| 17 | | | | |
| T.P. 17+00 ℄ | | | | |
| +50 | | | 3.34 | 305.19 |
| 18+00 | 12.70 | 317.89 | | |
| +50 | | | | |
| 19 | | | | |
| +97+12.5 ℄ | | | | |
| T.P. | | | 4.52 | 313.37 |

Left

| +40' | +30' | +20' | ℄ | Right +20' | +30' | +40' |
|---|---|---|---|---|---|---|
| 14.6 | 13.2 | 11.7 | | | | |
| 16.2 | 17.6 | 319.1 | 333.82 | | | |
| 13.6 | 12.7 | 10.8 | 7.0 | 5.0 | 3.5 | 1.8 |
| 08.5 | 310.0 | 311.3 | 15.1 | 317.1 | 18.6 | 20.2 |
| | | | | 10.4 | 8.8 | 7.8 |
| | | | | 311.7 | 13.3 | |
| 14.3 | 12.2 | 10.7 | 6.8 | | | |
| 00.7 | 05.9 | 04.3 | 08.3 | | | |
| | | | 12.2 | 9.7 | 8.7 | 7.7 |
| | | | 04.9 | 06.6 | 06.9 | 07.3 |
| 10.3 | 9.4 | 8.7 | | | | |
| 98.2 | 299.1 | 299.8 | | | | |
| 6.7 | 7.6 | 8.8 | 10.7 Bottom Washout | 8.2 | 7.1 | 6.1 |
| 01.8 | 300.9 | 299.7 | 297.8 | 300.3 | 301.1 | 02.4 |
| | | | | | | 9.0 |
| | | | | | | 09.5 |
| 3.3 | 3.8 | 4.2 | 5.2 | 8.3 | 7.4 | 6.4 |
| 05.2 | 304.3 | 304.3 | 303.3 | 300.7 | 301.1 | 02.1 |
| 1.3 | 1.6 | 2.0 | 3.8 | +7 6.0 | 4.6 | 4.0 |
| 07.2 | 06.5 | 306.5 | 304.3 | 304.7 02.5 | 3.9 | 04.6 |
| 9.0 | 10.2 | 11.8 | 12.4 | 10.6 | 10.0 | 9.2 |
| 08.9 | 07.7 | 306.1 | 05.2 | 307.3 | 07.9 | 08.7 |
| 8.2 | 9.5 | 11.4 | 9.0 | 8.1 | 7.2 | 6.0 |
| 09.7 | 08.4 | 306.5 | 08.9 | 9.7 | 10.7 | 11.9 |
| 9.8 | 7.0 | 6.9 | 5.2 | 3.0 | 2.8 | 2.4 |
| 08.1 | 10.1 | 11.1 | 14.7 | 14.9 | 15.1 | 15.5 |

Hub 2x2 one



| STA | + | H.I | − | Elev | |
|---|---|---|---|---|---|
| 15 TP | 13.1 | 326.47 | | 313.37 | 19+12.5 ℄ |
| | | 9.45 | | | |
| 20+00 | | | | | |
| 21+00 TP | | | 2.88 | 323.59 | |
| | 9.55 | 333.14 | | | |
| 22+00 | | | | | |
| | | | 3.15 | 330.0 | |
| | 13.0 | 343.00 | | | |
| 22+50 | | | | | |
| 23+00 | | | | | |
| 23+50 | | | | | |
| 24+00 T.P. | | | 5.0 | 338. | |
| | | 338.1 | | | |
| 24+50 | | | −8.07 | 330.17 | |
| | | 330.17 | | | |
| 25+00 | | | | | |
| 25+50 | | | | | |
| 26+00 | | | 6.47 | 323.7 | |
| 26+11.77 | | 323.5 | | | |

WELSH
PENDLETON
WIGHT

5

| LEFT 40' | 30' | 20' | ℄ | 20' | 30' | 40' Right |
|---|---|---|---|---|---|---|
| | 15.0 | | 316.27 | | 21.5 | |
| 11.5 | 11.5 | | 10.2 | | 5.0 | |
| | | | ~~5.1~~ | | | |
| | 20.7 | | 21.37 | | 23.1 | |
| 5.85 | 5.85 | | 5.1 | | 3.4 | |
| | 26.1 | | 29.9 | | 33.0 | |
| | 6.0 | | 3.20 | | 0.1 | |
| | 30.4 | | 33.5 | | 38.6 | |
| | 12.6 | | 9.5 | | 4.4 | |
| | 35.0 | | 37.0 | | 39.6 | |
| | 8.0 | | 6.0 | | 3.4 | |
| | 35.8 | | 38.0 | | 41.3 | |
| | 7.20 | | 5.0 | | 1.7 | |
| | 31.8 | | 35.0 | | 40.0 | |
| | 11.2 | | 8.0 | | 3.0 | |
| | 25.8 | | 28.0 | | 31.1 | |
| | 12.30 | | 10.1 | | 7.0 | |
| | | | ~~6.2~~ | | | |
| | 22.3 | | 23.97 | | 25.7 | |
| | 7.9 | | 6.2 | | 4.5 | |
| | 23.3 | | 20.42 | | 22.12 | |
| | 10.20 | | 9.75 | | 8.05 | |
| | 18.5 | | 17.6 | | 20.3 | |
| | 11.70 | | 12.6 | | 9.90 | |
| | 16.8 | | 17.1 | | 20.1 | |
| | 6.70 | | 6.4 | | 3.4 | |

| STA | + | HI | − | Elev |
|---|---|---|---|---|
| 26+50 | | 323.5 | 8.48 | 315.02 |
| 27+00 | | 313.7 | | |
| 28+00 | | | | |
| 28+30 | | | | |
| 29+00 | | | | |
| TP | | | | |
| 30+00 | 0.45 | ~~30~~ | 6.7 | 307 |
| 31+00 | | 307.45 | | |
| TP | | | | |
| 32+00 | | | -5.95 | 301.50 |
| 33+00 | | 301.35 | | |
| 34+00 | | | | |
| 35+00 | | | | |
| 35+30 | | | | |
| +50 | | | | |
| 36+00 | 2.85 | | 11.87 | 289.48 |
| P.I. | | | | |
| 36+54.2 | | 292.33 | | |
| PT | | | | |
| 37+39.2 | | | | |
| 38+00 | | | | |
| 39+00 | | | | |
| 40+00 | | | | |

R. + L. Roos Reduced by Wight, June 21 1917

6

| Left 30' | 20 | 8 | 20 | Right 30' |
|---|---|---|---|---|
| 315.0 | | (13.3) | | 316.5 |
| 8.5 | | 18.2 | | 11.0 |
| 11.7 | | 09.3 | | 11.5 |
| 2.10. | | 4.4 | | 2.2 |
| 9.6 | | 04.6 | | 01.7 |
| 7.1 | | 9.1 | | 12.0 |
| 2.5 | | 01.7 | | 299.2 |
| 11.2 | | 12. | | 14.5 |
| 5.2 | | 04.4 | | 298.7 |
| 8.5 | | 11.3 | | 15.0 |
| 6.1 | | 03.1 | | 1.2 |
| 7.6 | | 10.6 | | 12.5 |
| 301.4 | | 298.75 | | 297.7 |
| 6.1 | | 8.1 | | 9.8 |
| 297.5 | | 295.05 | | 95.2 |
| 10.0 | | 12.4 | | 12.3 |
| 98.0 | | 96.05 | | 95.1 |
| 5.3 | | 5.3 | | 96.3 |
| (10.4) ? | | 94.05 | | 93.4 |
| 7.2 | | 7.3 | | 8.0 |
| 94.6 | | 91.3 | | 89.7 |
| 6.8 | | 10.03 | | 11.65 |
| | | | 89.0 | |
| | | ~~12.4~~ | 12.4 | |
| | | | 85.4 | |
| | | | 16.0 | |
| 88.0 | | 86.35 | | 83.2 |
| 13. | | 15.0 | | 18.2 |
| 88.3 | | 84.63 | | 82.7 |
| 4.0 | | 7.7 | | 9.6 |
| 86.5 | | 84.9 | | 81.0 |
| 5.8 | | 9.4 | | 11.3 |
| 85.3 | | 84.3 | | 80.7 |
| 7.0 | | 10.0 | | 11.6 |
| 86.5 | | 84.7 | | 83.3 |
| 5.8 | | 7.6 | | 9.0 |
| 87.8 | | 87.2 | | 84.3 |
| 4.5 | | 5.1 | | 1.0 |

| S | STA | + | HI | − | Elev | Left | | | | right |
|---|---|---|---|---|---|---|---|---|---|---|
| | +35 | | | | | 30 | ℄ 87.2 | | | 30 |
| 26 | 40+50 | 6.84 | 292.33 | -10.22 | | 82.3<br>10. | 52<br>82.1<br>10.22 | | | 81.3<br>11.0 |
| 27 | 40+75 | | 288.95 | | | 76.5<br>12.5 | 76.35<br>12.60 | | | [illegible] |
| 28 | 40+90 | | | | | 82.4<br>6.6 | 79.1<br>9.8 | | | 75.0<br>14. |
| 28 | 41+50 | | | | | 89.0<br>0.0 | 287.15<br>1.8 | | | 84.5<br>4.5 |
| 29 | 42+00 | 8.2 | | -3.63 | 285.32 | 87.3<br>1.7 | 286.75<br>2.5 | | | 85.3<br>3.7 |
| 30 | 42+63.05 | | 293.52 | | | 86.3<br>7.2 | 285.32<br>8.2 | | | 84.9<br>8.6 |
| 31 | 43+55.73 | | | | | 87.8<br>5.7 | 286.92<br>6.6 | | | 85.4<br>8.1 |
| 32 | 44+00 | | | | | 88.6<br>3.9 | 287.22<br>6.3 | | | 85.8<br>7.7 |
| 33 | 45+00 | | | | | 91.6<br>1.9 | 289.02<br>4.5 | 15'<br>4.6 | | 85.1<br>8.4 |
| 34 | 46+00 | 3.20 | | 2.75 | 290.77 | 91.8<br>1.7 | 290.52<br>3.0 | 90.5<br>10'<br>3.0 | 87.5<br>15'<br>6.0 | 87.2<br>6.3 |
| 35 | | | 293.97 | | | | | | | |
| 3 | 46+30 | | | | | 90.8<br>3.20 | 286.97<br>7.0 | | | 87.2<br>6.8 |
| | 46+40 | | | | | | 281.97<br>12.00 | | | |
| 36 | 46+50 | | | | | 1 | 286.87<br>7.1 | | | 82.0<br>12.0 |
| 36 | 46+90 | | | | | 82.0<br>12.0 | | | | |
| 37 | 47+00 | | | | | 86.5<br>-8.5 | 287.97<br>6.0 | 87.9<br>10'<br>7.0 | | 83.0<br>11.0 |
| 38 | 47+50 | | | | | 89.0<br>5.0 | 288.22<br>5.7 | | | 86.4<br>7.6 |
| 39 | 47+91.6 | | | | | 88.8<br>5.2 | 288.37<br>5.6 | 88.5<br>10'<br>5.5 | | 84.6<br>9.4 |
| 40 | | | | | | | Hut Elev | | | |

X sections University Extension

Dec 14, 17 Hyatt Wight Rogers 8

| | + | H.I. | − | Elev | left North 30' | 8' | ℄ | 8' | Right South 30' |
|---|---|---|---|---|---|---|---|---|---|
| 19+12.5 | | | | | | | | | |
| B.M. | 11.14 | 324.51 | | 313.37 | | | | | |
| | | | | | 13.0 | 11.5 | 8.4 | 9.9 | 8.7 |
| 19+12.5 | | | | | 311.5 | 313.0 | 316.1 | 314.6 | 315.8 |
| | | | | | 10.4 | 9.5 | 9.2 | 8.4 | 7.4 |
| 19+50 | | | | | 314.1 | 315.0 | 315.3 | 316.1 | 317.1 |
| | | | | | 9.7 | 8.6 | 8.2 | 8.1 | 7.2 |
| 20+00 | | | | | 14.8 | 15.9 | 16.3 | 16.4 | 17.3 |
| | | | | | 7.1 | 6.1 | 5.9 | 5.7 | 5.1 |
| 20+50 | | | | | 17.4 | 18.4 | 18.6 | 18.8 | 19.4 |
| | | | | | 4.0 | 3.1 | 2.7 | 2.3 | 1.0 |
| 21+00 | | | | | 320.5 | 21.4 | 21.8 | 22.2 | 23.5 |
| T.P. Rock | | | | | 1.1 | | | | |
| 21+50 | 11.56 | 335.85 | 0.22 | 324.29 | | | | | |
| | | | | | | 10.9 | 10.0 | 9.7 | 7.4 |
| 21+50 | | | | | | 24.9 | 25.8 | 26.1 | 28.4 |
| | | | | | 8.8 | 7.1 | 6.0 | 5.0 | 2.3 |
| 22+00 | | | | | 27.0 | 28.7 | 29.8 | 30.8 | 33.5 |
| | | | | | 4.7 | 3.2 | | | |
| 22+50 | 11.00 | 345.31 | 1.54 | 334.31 | 31.1 | 32.6 | | | |
| | | | | | | | 11.8 | 10.3 | 7.0 |
| 22+50 | | | | | | | 34.5 | 35.0 | 38.3 |
| | | | | | 10.5 | 9.1 | 8.3 | 7.7 | 5.9 |
| 23+00 | | | | | 34.8 | 36.2 | 37.0 | 37.6 | 39.4 |
| | | | | | 4.1 | 5.0 | 5.5 | 6.6 | 9.2 |
| 23+50 | | | | | 41.2 | 40.3 | 39.8 | 38.7 | 36.1 |
| | | | | | | 11.1 | 10.2 | 9.4 | 7.0 |
| 24+00 | 2.60 | 336.62 | 11.29 | 334.02 | | 34.2 | 35.1 | 35.9 | 38.3 |
| | | | | | 4.2 | | | | |
| 24+00 | | | | | 32.4 | | | | |
| | | | | | 10.3 | 8.8 | 8.5 | 7.7 | 6.4 |
| 24+58.88 | | | | | 26.3 | 27.8 | 28.1 | 28.9 | 30.2 |

| | + | H.I. | − | Elev | North 30' | 8' | ℄ | 8' | South 30' |
|---|---|---|---|---|---|---|---|---|---|
| T.P. Rock 25+00 | | 336.62 | 11.92 | 324.70 | | ~~2.2~~ | ~~2.3~~ | 12.0 | 10.4 |
| | | | | | | | | 24.6 | 26.2 |
| | 1.57 | 326.27 | | | | | | | |
| 25+00 | | | | | 3.5 | 2.2 | 2.3 | | |
| | | | | | 22.8 | 24.1 | 24.0 | | |
| 25+50 | | | | | 5.7 | 5.4 | 5.3 | 4.8 | 3.6 |
| | | | | | 20.6 | 20.9 | 21.0 | 21.5 | 22.7 |
| 26+00 | | | | | 8.0 | 8.7 | 8.7 | 8.5 | 5.9 |
| | | | | | 18.3 | 17.6 | 17.6 | 19.8 | 20.4 |
| T.P. Rock 26+50 | 1.31 | 316.18 | 11.40 | 314.87 | 8.7 | 11.5 | 13.0 | 13.0 | 11.1 |
| | | | | | 17.6 | 14.8 | 13.3 | 13.3 | 15.2 |
| 27+00 | | | | | 4.0 | 7.2 | 6.7 | 5.7 | 4.2 |
| | | | | | 12.2 | 9.0 | 9.5 | 10.5 | 12.0 |
| 27+38 | | | | | 6.1 | 7.9 | 6.8 | 6.6 | 7.4 |
| | | | | | 10.1 | 8.3 | 9.4 | 9.6 | 8.8 |
| 27+50 | | | | | 6.7 | 9.6 | 9.8 | 10.0 20' | 7.8 |
| | | | | | 9.5 | 6.6 | 6.4 | 6.2 8.8 7.4 | 8.4 |
| T.P. Rock 28+00 | 5.22 | 308.46 | 12.94 | 303.24 | 9.8 | 10.5 | 11.5 | 12.1 | 13.5 |
| | | | | | 6.4 | 5.7 | 4.7 | 4.1 | 2.7 |
| ~~29+00~~ | | | | | | | | | |
| 29+00 | | | | | 3.4 | 5.6 | 6.1 | 7.3 | 8.3 |
| | | | | | 5.1 | 2.9 | 2.4 | 1.2 | 0.2 |
| 30+00 | | | | | 2.8 | 4.9 | 5.3 | 6.1 | 7.5 |
| | | | | | 5.7 | 3.6 | 3.2 | 2.4 | 1.0 |
| 31+00 | | | | | 8.0 | 9.4 | 9.6 | 9.9 | 10.9 |
| | | | | | 0.5 | 299.1 | 98.9 | 98.6 | 97.6 |
| T.P. ℄ 1x2 32+00 | 2.46 | 299.00 | 11.92 | 296.54 | 10.4 | 11.4 | 12.0 | 12.4 | |
| | | | | | 98.1 | 97.1 | 96.5 | 96.1 | |
| 32+00 | | | | | | | | | 3.9 |
| | | | | | | | | | 95.1 |
| 33+00 | | | | | 1.6 | 2.5 | 3.0 | 3.2 | 4.3 |
| | | | | | 97.4 | 96.5 | 96.0 | 96.8 | 94.7 |

| | + | H.I. | − | Elev |
|---|---|---|---|---|
| 34+00 | | 299.0 | | |
| 35+00 | | | | |
| 35+25 | | | | |
| 35+50 | | | | |
| T.P.# 1x2 | | | | |
| 36+00 | 3.15 | 289.52 | 12.63 | 286.37 |
| 36+00 | | | | |
| 37+00 | | | | |
| 38+00 | | | | |
| 39+00 | | | | |
| T.P.# 1x2 | | | | |
| 40+00 | 3.26 | 290.15 | 2.63 | 286.89 |
| 40+61 ℄ | | | | |
| 40+65 | | | | |
| 40+90 ℄ | | | | |
| 41+40 | | | | |
| T.P. #1x2 | | | | |
| 42+00 | 7.31 | 297.90 | 4.56 | 285.59 |
| P.I. | | | | |
| 42+61.05 | | | | |
| 43+53.63 | | | | |

| North | | | | South |
|---|---|---|---|---|
| 30' | 5' | ℄ | 5' | 30' |
| 5.4 | 4.8 | 5.0 | 5.3 | 6.0 |
| 93.6 | 94.2 | 94.0 | 93.7 | 93.0 |
| 5.9 | 8.0 | 8.7 | 9.4 | 9.5 |
| 93.1 | 91.0 | 90.3 | 89.6 | 89.5 |
| 6.9 | 9.0 | 10.4 | 11.0 | 10.0 |
| 92.1 | 90.0 | 88.6 | 88.0 | 89.0 |
| 8.8 | 10.1 | 11.0 | 12.8 | 11.4 |
| 90.2 | 88.9 | 88.0 | 86.2 | 87.4 |
| 0.3 | 2.6 | 3.1 | 5.0 | 5.0 |
| 89.2 | 85.9 | 86.4 | 84.5 | 84.5 |
| 3.0 | 5.1 | 5.7 | 6.3 | 7.8 |
| 86.5 | 84.4 | 83.8 | 83.2 | 81.7 |
| 3.0 | 6.8 | 7.3 | 7.8 | 8.1 |
| 84.5 | 82.7 | 82.2 | 81.7 | 80.6 |
| 3.7 | 4.0 | 5.1 | 5.3 | 6.2 |
| 85.8 | 85.0 | 84.4 | 84.0 | 82.9 |
| 2.3 | 2.7 | 2.2 | 3.2 | 4.6 |
| 87.2 | 86.8 | 86.9 | 86.3 | 84.9 |
| 6.2 | 5.6 | 7.8 | 6.7 | 4.3 |
| 83.5 | 81.6 | 82.4 | 83.5 | 85.9 |
| 12.7 | 13.1 | 13.6 | 13.6 | 14.1 |
| 77.5 | 77.1 | 76.6 | 76.6 | 84.1 |
| 6.4 | 8.7 | 9.1 | 11.0 | 14.5 |
| 83.8 | 81.5 | 80.5 | 79.2 | 75.7 |
| 2.1 | 4.7 | 5.6 | 6.2 | 7.1 |
| 88.1 | 85.8 | 84.6 | 84.0 | 82.3 |
| 3.9 | 4.8 | 4.7 | 4.8 | 6.0 |
| 86.3 | 86.2 | 85.5 | 85.4 | 84.2 |
| 6.9 | 7.3 | 7.0 | 8.5 | 8.7 |
| 86.0 | 85.6 | 85.9 | 84.4 | 84.0 |
| 6.2 | 6.2 | 6.3 | 6.6 | 9.7 |
| 87.7 | 86.7 | 86.6 | 86.3 | 83.2 |

| | + | H.I. | − | Elev | North 30' | 5' | ℄ | 5' | South 30' |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 3.6 | 5.5 | 5.9 | 6.4 27' | 8.4 |
| 44+00 | | 292.90 | 4.49 | | 89.3 | 87.4 | 87.0 | 86.5 7.3 85.6 | 84.5 |
| T.P. 1+2 | | | | | | | | | |

± stakes 16' Roadway

Hyatt Brown Fleming Jan 23, 18.

12

| | + | H.I. | − | Elev | | | |
|---|---|---|---|---|---|---|---|
| | 7.47 | 339.01 | | 331.54 | Grade | Spike in white fence post NW & Univ. Winona | |
| | | | | | | Cut. | Fill |
| 0+56 | | | 5.2 | 333.8 | 33.8 | 0.00 | |
| 1+00 | | | 4.1 | 334.9 | 34.6 | +0.3 | |
| 1+16.67 | | | 4.0 | 335.0 | 34.9 | +0.1 | |
| 1+50 | | | 3.5 | 35.5 | 35.5 | 0.0 | |
| 1+72 | | | 3.1 | 35.9 | 35.9 | 0.0 | |
| 2+00 | | | 3.5 | 35.5 | 35.6 | | −0.1 |
| 2+50 | | | 3.9 | 35.1 | 35.0 | +0.1 | |
| T.P. Rock | 1.51 | 336.93 | 3.59 | 335.42 | | | |
| 3+00 | | | 3.4 | 33.5 | 33.0 | +0.5 | |
| 3+20.01 | | | 4.1 | 32.8 | 32.2 | +0.6 | |
| 3+50 | | | 5.8 | 31.1 | 31.0 | +0.1 | |
| 3+79 | | | 9.9 | 27.0 | 29.3 | − | −2.3 |
| 4+00 P.C. | | | 8.6 | 28.3 | 28.2 | +0.1 | |
| 4+19 | | | 7.2 | 29.7 | 27.2 | +2.5 | |
| T.P. Rock | 3.18 | 327.35 | 12.76 | 324.17 | | | |
| 4+79 | | | 4.6 | 22.7 | 22.7 | | −1.3 |
| 5+00 | | | 5.7 | 21.6 | 21.8 | | −0.2 |

Continued on page 14.

Profile Cross Wash

Hyatt Wright Dec 17, 17. 13

| | + | H.I. | X— | Elev |
|---|---|---|---|---|
| 10+00 ~~3+00~~ | 4.2 | 284.9 | | 280.7 |
| 10+16 ~~3+16~~ | | | 4.9 | 80.0 |
| 10+19 ~~3+19~~ | | | 6.6 | 78.3 |
| 10+23 | | | 6.6 | 78.3 |
| 10+24 | | | 4.7 | 80.2 |
| 10+31 | | | 4.2 | 80.7 |

1.1% grade to wash.

± stakes & Profile 16' Road.

Jan 23, 18. Hyatt, Brown, Fleming



| | + | H.I. | − | Elev | Grade | cut | Fill |
|---|---|---|---|---|---|---|---|
| 5+50 | | 327.35 | 4.5 | 22.8 | 19.6 | 3.8 | |
| 6+00 | | | 3.8 | 23.5 | 17.5 | +6.0 | |
| 6+33 | | | 4.4 | 22.9 | 15.2 | +7.7 | |
| 6+50 | | | 5.5 | 21.8 | 14.1 | +7.7 | |
| T.P. ℄ 7+00 | 1.76 | 318.60 | 10.51 | 316.84 | 10.8 | +6.0 | |
| 7+50 | | | 8.5 | 10.1 | 07.4 | +2.7 | |
| T.P. Rock. | 1.01 | 307.77 | 11.84 | 306.76 | | | |
| 8+00 | | | 3.9 | 303.9 | 04.0 | | −0.1 |
| T.P. ℄ 8+64 | 0.45 | 396.14 | 12.08 | 295.69 | 97.6 | | |
| 9+00 | | | 10.4 | 285.7 | 94.0 | | |
| T.P. Rock | 1.42 | 384.72 | 12.84 | 283.30 | | | |
| 9+28 | | | 3.4 | 81.3 | | | |
| 9+30 | | | 5.0 | 79.7 | | | |
| 9+50 | | | 4.9 | 79.8 | 90.5 | | |
| 10+00 | | | 5.2 | 79.5 | 287.0 | | |
| 10+44 | | | 5.5 | 79.2 | | | |
| 10+40 | | | | | 86.2 | | |
| 10+45 | | | 7.0 | 77.7 | | | |
| 10+50 | | Wash | | | 290.5 | | |
| 10+52.5 | | | 6.9 | 77.8 | | | |
| 10+53.5 | | | 5.2 | 79.5 | | | |

± stakes & Profile 16' Road (con)

| | + | H.I. | − | Elev. | Grade. | |
|---|---|---|---|---|---|---|
| | | | | | 91.6 | |
| 11+00 | | 384.72 | 3.0 | 281.7 | ~~294.0~~ | |
| old sta | | | | | | |
| 10+00 | | | 4.1 | 280.6 | | |
| T.P. Rock | 7.00 | 390.76 | 0.96 | 283.76 | | |
| 11+30 | | | 5.8 | 285.0 | | |
| T.P. | | | | | | |
| 11+47.7 P.C. | | | 1.14 | 289.62 | 297.3 | |
| | | Revised Alignment | | | | |
| 4+00 | 3.46 | 31.76 | | 328.3 | 28.6 | − 0.3 |
| 4+39 P.C. | | | 4.4 | 27.4 | 26.7 | + 0.7 |
| 4+66 | | | 6.8 | 25.0 | 25.4 | − 0.4 |
| 5+00 | | | 6.3 | 25.5 | 23.8 | + 1.7 |
| 5+24 | | | 8.1 | 23.7 | 22.6 | + 1.1 |
| 5+50 | | | 8.9 | 22.9 | | |
| 4+39 | Revised. | | | | | |
| T.P. 11+47.7 | 11.19 | 300.81 | | 289.62 | | |
| 11+75 | | | 3.4 | 297.4 | | |
| T.P. Rock | | | 0.65 | 300.16 | | |

Jan 25 18
Hyatt Brown
Jan 28, 18.

± Stakes 16' Road

Hyatt
Brown
Jan 25, 18.

16

| | + | H.I. | − | Elev |
|---|---|---|---|---|
| T.P. Rock. | 10.40 | 310.56 | | 300.16 |
| 12+04.6 | | | 9.3 | 301.3 |
| 12+25 | | | 7.9 | 302.7 |
| T.P. 2x2 ℄ 12+61.5 | 11.66 | 20.08 | 2.14 | 308.42 |
| 13+00 | | | 6.1 | 314.0 |
| T.P Rock. | 10.32 | 304 | 0.26 | 19.82 |
| 13+50 | | | 9.8 | 20.3 |
| 13+70.5 | | | 8.2 | 321.9 |
| 14+00 | | | 5.6 | 24.5 |
| 14+50 | | | 6.2 | 23.9 |
| 14+84 P.C. | | | 9.4 | 20.7 |
| TP ℄ 15+00 | 3.52 | 21.75 | 11.91 | 318.23 |
| 15+36.23 P.R.C. | | | 5.1 | 16.7 |
| T.P. 15+87.66 | P.T. | | 7.23 | 14.52 |
| old line. 15+00 | | | 6.8 | 315.0 |

± Stakes Revised line

| | + | H.I. | − | Elev | | |
|---|---|---|---|---|---|---|
| T.P. 2x2 | | | | | | |
| 11+47.7 | 11.92 | 301.54 | | 289.62 | 297.3 | |
| P.C. | | | | | | |
| 11+65.5 | | | 5.7 | 295.8 | 298.5 | |
| 11+90 | 12.49 | 313.84 | 0.19 | 301.35 | 300.05 | +1.35 |
| 12+13.84 | | | 10.4 | 303.4 | 301.5 | + 2.9 |
| 12+50 | | | 8.8 | 305.0 | 303.6 | + 1.4 |
| 12+81.5 | | | 4.1 | 309.7 | 305.5 | 4.2 |
| 13+00 | 12.83 | 24.54 | 2.13 | 311.71 | 307.01 | |
| 13+50 | | | 7.7 | 316.8 | 311.01 | |
| 14+00 | | | 2.9 | 321.6 | 315.01 | |
| 14+50 | | | 1.6 | 322.9 | 319.01 | |
| 14+77.44 | | | 2.6 | 321.9 | | |
| 14+92.04 | | | 3.70 | 20.84 | | |
| T.P. | | | | | | |
| P.T. 15+91.34 | 7.73 | 322.25 | | 314.52 | | |
| 14+92.04 | | | 1.8 | 320.45 | | |
| 15+16 | | | 3.8 | 318.45 | 318.12 | + 0.3 |
| 15+50 | | | 6.6 | 315.65 | 315.34 | + 0.3 |
| 16+00 | | | 9.8 | 312.45 | 311.24 | + 1.2 |
| T.P. Rock | 2.35 | 312.15 | 12.45 | 309.8 | ~~311~~ | |
| 16+64 | | 6.2 | 6.2 | 305.9 | 306.0 | − 0.1 |

| | + | Hd. | − | Elev | |
|---|---|---|---|---|---|
| 17+25 | | 312.15 | 12.9 | 99.20 | 301.2 |
| 17+49.98 | | | 11.4 | 300.7 | |
| 18+00 | | | 8.0 | 04.1 | |
| 18+50 | | | 5.0 | 07.1 | |
| 19+00 | | | 2.4 | 10.7 | |
| T.P. Rock | 11.78 | 320.78 | 3.15 | 309.0 | |
| 19+50 | | | 7.1 | 13.7 | |
| 20+00 | | | 4.3 | 16.5 | |
| 20+50 | | | 3.8 | 17.0 | |
| 21+00 | | | 2.8 | 18.0 | |
| T.P. Rock | 12.13 | 332.20 | 0.71 | 320.07 | |
| 21+50 | | | 11.2 | 21.0 | |
| 22+00 | | | 6.6 | 25.6 | |
| 22+50 | | | 1.9 | 30.3 | |
| 22+60 B.M. old line | | | 2.38 | 329.82 | Top base board of fence at post |
| 21+50 | | | 6.4 | 25.8 | |
| B.M | 11.70 | | | 329.82 | |
| 23+00 | | | 6.8 | | |
| 23+50 | | | 4.4 | | |

| | T | H.I. | H | Elev. |
|---|---|---|---|---|
| 24+14 | | | 1.0 | |
| 24+83.75 | 0.43 | | 8.15 ~~5.2~~ | |
| 25+00 | | | 3.0 | |
| 25+50 | | | 8.4 | |
| 26+00 | | | 11.3 | |
| P.T. T.P. 26+43.75 | 1.76 | | 13.05 | |
| 27+00 | | | 5.9 | |
| 27+58 | | | 11.1 | |
| 27+88 | | | 14.2 | |
| B.M. | | | 4.08 | |

Spike in power pole N.W. Douglas & Univ.

Feb 28,18 Hyatt Brown

Profile over Fill

| | | | | |
|---|---|---|---|---|
| old line 10+36. | 3.35 | 02.85 | | 299.5 |
| 8+64 | | | 8.0 | 94.8 |
| T.P. Rock | 0.75 | 92.28 | 11.32 | 91.53 |
| 9+00 | | | 3.3 | 89 0 |
| 9+50 | | | 8.0 | 84 3 |
| 10+00 | | | 11.6 | 80.7 |
| 10+43 | | | 11.3 | 81.0 |
| 11+00 | | | 6.5 | 85.8 |

Top Culvert - slab

Slope stakes

Hyatt Brown Fleming Jan 24, 18.



| | + | H.I. | − | Elev ℄ | Grade | | L. E.L. | | R W.L. | |
|---|---|---|---|---|---|---|---|---|---|---|
| 4+00 | 6.5 | 34.8 | | 28.3 | 28.2 | +2.0 | 10' 30.2 | | 24.2 15 | |
| 4+19 | 5.0 | 34.7 | | 329.7 | 27.2 | +4.2 | (12') 3.3 31.4 | | 8 7.5 27.2 | |
| 3+79 | | | 7.8 | 26.9 | 29.3 | −0.2 | (9') 5.6 29.5 | | 9' 28.3 | |
| | | | | | | 42' of 8" pipe | | | | |
| 4+79 | 6.1 | 28.8 | | 22.7 | 22.7 | +3.4 | 12' 26.1 | | 14' 18.7 | −4 |
| 5+00 | | | | 21.6 | 21.8 | +4.0 | 15' 25.6 | | 12' 18.0 | −4 |
| 5+50 | | | | 22.8 | 19.6 | +6.4 | 15 26.0 | | 9' 20.4 | +0.8 |
| 6+00 | 5.2 | 28.7 | | 23.5 | 17.5 | +7.8 | 16' 25.3 | | 12' 22.0 | +4.5 |
| 6+50 | | | | 22.9 | 15.2 | +8.6 | 17' 23.8 | | 14' 20.2 | +5.0 |
| 7+00 | 6.7 | 23.5 | | 16.8 | 10.8 | +7.2 | 15' 18.0 | | 13' 15.2 | +4.4 |
| 7+50 | 9.9 | 20.0 | | 10.1 | 07.4 | +4.5 | 12' 11.9 | | 10' 9.0 | +1.6 |
| 8+64 | 7.7 | 03.4 | | 95.7 | 97.6 | −0.3 | 8' 97.3 | | 16' 91.9 | −5.7 |
| 9+00 | 6.4 | 92.1 | | 85.7 | 94.0 | −7.9 | 20' 86.1 | | 23' 83.7 | −10.3 |
| 9+50 | 5.3 | 85.1 | | 79.8 | 90.5 | −10.0 | 24' 80.5 | | 25' 78.9 | −11.6 |
| 10+00 | 6.0 | 85.5 | | 79.5 | 87.0 | −6.9 | 18' 80.1 | | 19' 79.7 | −7.3 |
| 8+00 | 5.0 | 08.9 | | 03.9 | 04.0 | +1.8 | 05.8 | | | |

Slope Stakes Revised

Jan 25.18 Hyatt Brown



| | + | H.I. | − | Elev | Grade | L | | ℄ | R | |
|---|---|---|---|---|---|---|---|---|---|---|
| 4+39 | 4.9 | 32.3 | | 27.4 | 26.7 | +3.6 | 12' 30.3 | | 11' 23.4 | −3.3 |
| 4+66 | 5.0 | 30.0 | | 25.0 | 25.4 | +2.2 | 10' 27.6 | | 14' 21.3 | −4.1 |
| 5+00 | 4.1 | 29.6 | | 25.5 | 23.8 | +4.9 | 13' 28.7 | | 11' 22.1 | −1.7 |
| 5+24 | 4.4 | 28.1 | | 23.7 | 22.6 | +4.0 | 12' 26.6 | | 11' 20.6 | −2.0 |
| 10+50 | | | | 79.2 | 90.5 | | | | | |
| 11+00 | 6.8 | 88.5 | | 81.7 | ~~294.0~~ 91.6 | −12.3 | 26' 281.7 | 81.7 | 24' 83.1 | −10.9 |
| 11+47.7 | 4.1 | 93.7 | | 89.6 | 97.3 | −11.8 | 26' 85.5 | | 15' 93.1 | −4.2 |
| 11+65.5 | 6.6 | 302.4 | | 95.8 | 98.5 | −6.9 | 18' 91.6 | | 10' 98.5 | Grade |
| 11+90 | 6.5 | 07.8 | | 301.35 | 300.05 | −06 | 8' 299.4 | | 12' 304.3 | +4.3 |
| 12+13.84 | 6.9 | 10.3 | | 303.4 | 301.5 | 0.0 | 8' 301.5 | | 13' 08.4 | +4.8 |
| 12+50 | 7.6 | 12.6 | | 305.0 | 303.6 | −3.0 | 12' 300.6 | | 13' 308.2 | +4.6 |
| 12+81.5 | 5.3 | 15.0 | | 309.7 | 305.5 | +0.6 | 9' 306.1 | | 15' 12.8 | +7.3 |
| 13+00 | 4.4 | 16.1 | | 11.7 | 07.0 | +2.3 | 10' 09.3 | | 16' 14.9 | +7.9 |
| 13+50 | 5.2 | 22.0 | | 16.8 | 11.01 | +2.3 | 10' 13.3 | | 19' 21.6 | +10.6 |
| 14+00 | 4.3 | 25.9 | | 21.6 | 15.01 | +3.5 | 12' 18.5 | | 18' 24.9 | +9.9 |

Slope stakes Con.

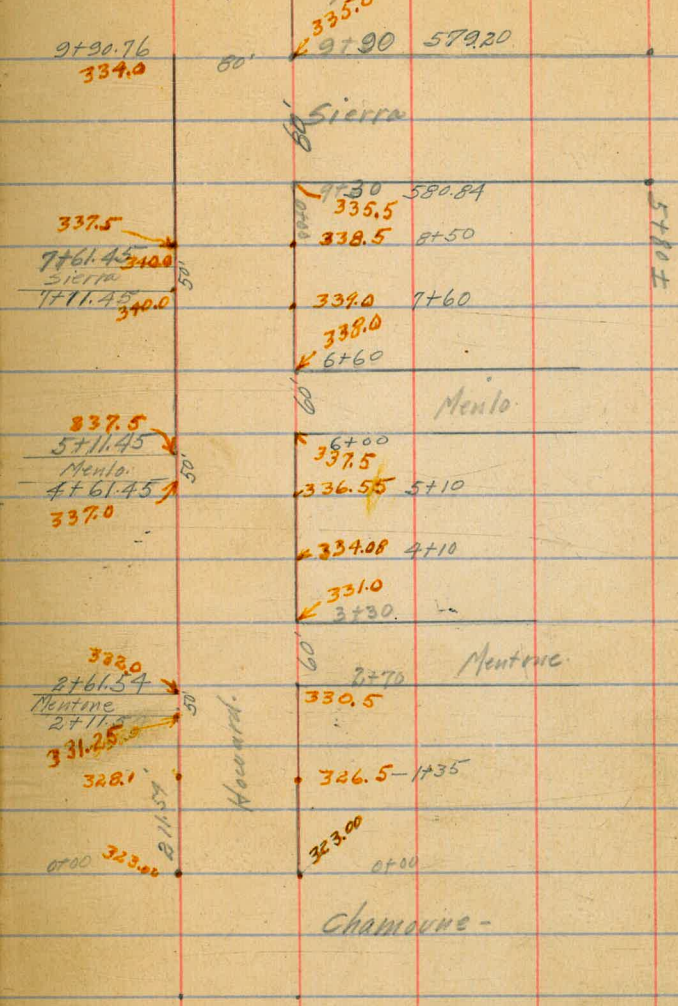
Hyatt
Brown
Jan 30, 18.



| | + | H.I. | − | Elev | Grade | L | | ℄ | | R | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 14+50 | 6.5 | 29.4 | | 22.9 | 19.0 | +2.0 | 10' 21.0 | | | 14' 25.1 | +6.1 |
| | | | | | | | | | | 20' | |
| Slope Stakes - Revised | | | | | | | | | | | |
| 11+00 | 4.8 | 86.5 | | 81.7 | 90.9 | −9.3 | 22' | | | 20' | −8.3 |
| 11+47 | | | | 89.6 | 95.6 | | | | | | |
| 10+50 | 6.5 | 85.7 | | 79.2 | 85.9 | −6.2 | 17' | | | 18' | −6.5 |
| 15+16 | | | | 318.4 | 318.1 | | | | | | |
| 15+50 | 6.9 | 22.5 | | 315.6 | 315.3 | | | | | 9' 16.9 | +1.6 |
| 16+00 | 5.1 | 17.5 | | 312.4 | 311.2 | | | | | 11' 14.5 | +3.3 |
| 16+64 | 6.2 | 12.1 | | 305.9 | 306.0 | | | | | 9' 307.0 | +1.0 |

Grade Diagram
From Profile Sheets.

Ford-
Mar 9-1921



X Sections Howard - See 78/8 -
Sta Diagram Page 26 - This Book.

| Sta | + | HI | - | Elev. | |
|---|---|---|---|---|---|
| B.M. | | | | 348.97 | |
| T.P. | 2.41 | 351.38 | 9.23 | 342.15 | |
| 4+61.45 | 0.91 | 343.06 | 5.57 | SB 337.45<br>337.49 | 1" Iron pipe 2' N.W. Menlo & Howard. |
| T.P. | | | 3.01 | 340.01 | |

X Sections Sierra - SL Howard to N.L. Clark

| | | | | | |
|---|---|---|---|---|---|
| 0+00 SL Howard | 2.69 | 342.70 | | | |
| +50 | | | | | |
| 1 | | | | | |
| +50 | | | | | |
| +90 | | | | | |
| 2 | | | | | |
| +50 | | | | | |
| T.P. 3 | | | 9.94 | 332.76 | |
| +50 | 1.65 | 334.41 | | | |
| 4 | | | | | |
| +25 | | | | | |
| +50 | | | | | |
| 5 | | | | | |

Rods reduced by Fenton } + Platted.

80' Wide

Ford. Ferguson. Fenton. 3/10/21

27

| +40' | North | | ℄ | South | +40' |
|---|---|---|---|---|---|
| 1" Iron pipe 94'S-27'W. Book 78 - Page 1 SW Menlo & Castle | | | | | |
| White Lot stake | | | | | |
| 5.3 | | +2.0<br>5.7 | 6.0 | +2.0<br>6.9 | 7.2 |
| 37.8 | | 37.4 | 37.1 | 36.2 | 35.9 |

| +30' | West | +15' | ℄ | +15' East | +30' |
|---|---|---|---|---|---|
| 5.5 | | 5.7 | 6.1 | 6.9 | 7.7 |
| 37.2<br>4.4 | | 37.0<br>5.0 | 36.6<br>6.0 | 35.8<br>6.3 | 35.0<br>7.0 |
| 38.3<br>4.4 | | 37.7<br>5.1 | 36.7<br>5.5 | 36.4<br>5.7 | 35.7<br>6.1 Garage Floor |
| 38.3<br>5.0 | | 37.6<br>5.0 | 37.2<br>4.8 | 37.0<br>+10 4.6 4.9 | 36.6<br>5.4 |
| 37.7<br>5.4 | | 37.7<br>5.9 | 37.9<br>5.5 | 38.1 37.8<br>5.5 | 37.3<br>5.2 |
| 37.3<br>5.7 | | 36.8<br>5.9 | 37.2<br>5.2 | 37.2<br>5.6 | 37.5<br>5.6 |
| 37.0<br>7.3 | | 36.8<br>7.0 | 37.5<br>6.7 | 37.1<br>6.6 | 37.1<br>6.8 |
| 35.4<br>9.1 | | 35.7<br>9.0 | 36.0<br>8.9 | 36.1<br>8.0 | 35.9<br>8.2 |
| 33.6<br>2.5 | | 33.7<br>2.4 | 33.8<br>1.8 | 34.7<br>1.9 | 34.5<br>1.6 |
| 31.9<br>4.3 | +2.2<br>4.7 | 32.0<br>3.6 | 32.6<br>3.1 | 32.5<br>3.3 | 32.8<br>3.0 |
| 30.1<br>5.0 | 29.7 | 30.8<br>5.3 | 31.3<br>4.7 | 31.1<br>4.2 | 31.4<br>3.6 |
| 29.4<br>6.1 | | 29.1<br>5.9 | 29.7<br>5.3 | 30.2<br>4.8 | 30.8<br>4.4 |
| 328.3<br>7.9 | | 28.5<br>7.4 | 29.1<br>5.5 | 29.6<br>6.1 | 30.0<br>5.6 |
| 26.5 | | 27.0 | 28.9 | 28.3 | 28.8 |

Sierra  Cont from page 28

| Sta | + | HI | − | Elev |
|---|---|---|---|---|
| 5+50 | | 334.41 | | |
| N.L. Clark | | | | |
| +80 | | | | |
| ℄ Clark | | | | |
| 6+20 | | | | |
| SL. Clark | | | | |
| 6+60 | | | | |
| | | Howard St | | |
| B.M. | | | | 337.45 |
| 4+50 | 0.72 | 338.17 | | |
| 4+10 | | | | |
| 4+00 | | | | |
| 3+50 | | | | |
| 3+30 | | | | |
| 3 | | | | |
| 2+70 | | | | |
| 2+61.54 | | | | |
| 2+11.54 | | | | |
| 2 | | | | |
| 1+50 | | | | |
| T.P. | | | 10.06 | 328.11 |
| 1+50 | 2.22 | 330.33 | | |
| 1+35 | | | | |

Rods reduced & Platted by Fenton

80' Wide

Ford Ferguson Fenton 3-10-21

28

| PL 30' | West +15 | | ℄ | +15 East | PL 30' |
|---|---|---|---|---|---|
| 9.3 | 8.4 | +2 7.5 | 7.8 | 7.9 | 7.5 |
| 25.1 | 26.0 | 26.9 | 26.6 | 26.5 | 26.9 |
| 10.6 | 10.0 | | 9.2 | 8.9 | 8.5 |
| 323.8 | 24.4 | | 25.2 | 25.5 | 325.9 |
| 12.0 | 11.3 | | 10.9 | 10.6 | 10.7 |
| 22.4 | 23.1 | | 23.5 | 23.8 | 24.0 |
| 13.4 | 12.3 | | 12.5 | 12.1 | 10.9 |
| 21.0 | 22.1 | | 21.9 | 22.3 | 23.5 |

1" Pipe N.W. Howard & Menlo

| ℄ |
|---|
| 1.5 |
| 36.7 |
| 2.9 |
| 35.8 |
| 2.7 |
| 35.5 |
| 3.6 |
| 34.6 |
| 4.2 |
| 34.0 |
| 5.2 |
| 33.0 |
| 6.2 |
| 32.0 |
| 6.7 |
| 31.5 |
| 8.8 |
| 29.4 |
| 9.4 |
| 28.8 |
| 11.6 |
| 326.6 |

| 40' North Pipe | +30 | | | | South | | 40 |
|---|---|---|---|---|---|---|---|
| 2.4 | 3.6 | | +4 4.8 | +20 6.6 | | | 7.3 |
| 27.9 | 26.8 | | 25.5 | 23.7 | | | 23.0 |
| 2.0 | 2.9 | 3.0 | | 4.5 | +30 4.4 | +34 7.1 | 9.1 |
| 28.3 | 27.4 | 27.3 | | 25.8 | 25.9 | 22.6 | 21.2 |

Contd.

| | | | | |
|---|---|---|---|---|
| 1+25 | | 330.33 | | |
| 1 +00 | | | | |
| 0+50 | | | | |
| ~~E.L. Chamoune~~ 0+20 | | | | |
| E.L. Chamoune 0+00 | | | ~~CH~~ H. NE 7.7 | 322.63 |
| N.W. Chamoune Howard | old Curb hub | | 6.34 | 32399 |
| S.W " | " " " | | 6.35 | 323.98 |

Rods reduced by Fenton } + Platted.



| 40' | North | | | ℄ | South | | | 40' |
|---|---|---|---|---|---|---|---|---|
| 2.6 | 27 | | 25 | 3.2 | +20 | 27 | 28 | 4.5 |
| | 2.8 | | 3.2 | | 4.4 | 4.8 | 4.5 | |
| 27.7 | 27.5 | | 27.1 | 27.1 | 25.9 | 25.5 | 25.8 | 25.8 |
| 3.6 | 27 | | 25 | 4.0 | +26 | 28 | 39 | 6.1 |
| | 4.0 | | 4.5 | | 5.7 | 5.3 | 5.4 | |
| 26.7 | 26.3 | | 25.8 | 26.3 | 24.6 | 25.0 | 24.9 | 24.2 |
| 5.2 | 28 | 25 | 20 | 6.2 | 26 | 28 | | 6.0 |
| | 5.6 | 6.2 | 6.0 | | 6.9 | 5.4 | | |
| 25.1 | 24.7 | 24.1 | 24.3 | 24.1 | 23.4 | 24.9 | | 24.3 |
| 6.4 | | 28 | 25 | 5.6 | 25 | 28 | 37 | 7.8 |
| | | 7.4 | 8.0 | | 7.5 | 7.0 | 6.6 | |
| 23.9 | | 22.9 | 22.3 | 24.7 | 22.8 | 23.3 | 23.7 | 22.5 |
| 7.7 | 28 | 26 | 15 | 7.0 | 26 | 28 | | 7.0 |
| | 8.3 | 8.4 | 7.5 | | 8.0 | 7.5 | | |
| 22.6 | 22.0 | 21.9 | 22.8 | 23.3 | 22.3 | 22.8 | | 23.3 |

# Grades - Howard St

| | | North Curb | | South Curb |
|---|---|---|---|---|
| E. L. Chamboone. | | | | |
| 0+00 | | +323.00 | | +323. |
| 0+20 | | 323.75 | | 323.52 |
| 0+50 | | 324.89 | | 324.30 |
| 1+00 | 3.78% | 326.78 | 2.59% | 325.59 |
| 1+25 | | 327.72 | | 326.24 |
| 1+35 ℄ Alley S. | | +328.1 | | +326.5 |
| 1+50 | 4.12% | 328.72 | | 326.94 |
| W. Line Mentone North. | | | | |
| 2+11.5 | | +331.25 | 2.96% | 328.76 |
| W. Line Mentone South | | | | |
| 2+61.54 | 1.59% | +332.00 | | 330.24 |
| 2+70 | | 332.21 | | +330.5 |
| E. Line Mentone South. | | | 5.83 % | |
| 3+30 | | 333.71 | | +331.0 |
| 4+00 | 2.50% | 335.46 | 3.85% | 333.69 |
| 4+10 | | 335.71 | | +334.08 |
| W. Line Menlo North. | | | | |
| 4+61.54 | | +337.00 | 2.41% | 335.35 |
| 5+10 | 1.00% | 337.49 | | +336.55 |
| E. Line Menlo North. | | | | |
| 5+11.45 | | +337.5 | | 336.57 |
| 5+50 | | 337.98 | 1.25% | 336.97 |
| W. Line Menlo South. | | | | |
| 6+00 | | 338.61 | | +327.5 |
| E. Line Menlo South. | | | 9.83 % | |
| 6+60 | 1.25% | 339.36 | | +338.0 |

Howard St. Grades Cont.

| Sta. | North Curb | | South Curb. |
|---|---|---|---|
| W. Line Sierra North. | | | |
| 7+11.45 | 340.00 | 1.0% | 338.52 |
| 7+60 | 340.00 | | 339.00 |
| E. Line Sierra North. | | 0.0% | |
| 7+61.45 | 340.00 | | 338.99 |
| | | 0.56% | |
| 8+00 | 338.91 | | 338.78 |
| | | 2.82% | |
| 8+50 | 337.5 | | 338.5 |
| 8+82 | 336.7 | | 337.30 |
| | | 3.75% | |
| 9+00 | 336.25 | | 336.63 |
| W. Line Sierra South. | | | |
| 9+30 | 335.50 | | 335.5 |
| | | 2.49% | |
| 9+53 | 334.93 | | 335.31 |
| | | 0.53% | |
| E. Line Sierra South. | | | |
| 9+90 | 334.01 | | 335.0 |
| 9+90.76 | 334.0 | | |

# Sierra St. Grades

| Sta. | W. Curb | | E. Curb | |
|---|---|---|---|---|
| S. Line Howard | | | | |
| 0+00 | 335.5 | | 335.0 | |
| 0+50 | 335.89 | | 335.52 | |
| | | 0.79 ft | | 1.05 ft |
| 1+00 | 336.29 | | 336.05 | |
| 1+50 | 336.68 | | 336.58 | |
| 1+90 | x 337.0 | | x 337.0 | |
| 2+00 | 336.65 | | 336.68 | |
| 2+50 | 334.92 | | 335.07 | |
| 3+00 | 333.19 | | 333.47 | |
| 3+50 | 331.46 | | 331.87 | |
| | | | | 3.20 ft |
| 4+00 | 329.73 | | 330.27 | |
| | | 3.46 ft | | |
| 4+25 | 328.86 | | 329.47 | |
| 4+50 | 328.00 | | 328.67 | |
| 5+00 | 326.27 | | 327.06 | |
| 5+50 | 324.54 | | 325.46 | |
| N. Line Clark | | | | |
| 5+80 | x 323.5 | | x 324.5 | |
| ℄ Clark | | | | |
| 6+20 | | | | |
| S. Line Clark | | | | |
| 6+60 | | | | |

Indexed
C.S.K.

← S.L. Monroe = Base Line



Levels on Monroe Ave

E of Menlo for Contours

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 333.9 | 339.9 | 339.93 | 339.26 | 339.76 | 339.79 | 340.29 | 340.3 |
| 0 + 66.33 | | | | | 13.5 / 60 | 7.5 / 48 | 7.51 / 39 cb | 8.18 / 39 | 7.68 / 25 | 7.65 / 9 | 7.15 / 9 cb | 7.1 |
| | | | | | 341.1 | 341.3 | 341.37 | 340.76 | 341.24 | 341.28 | 341.77 | 341.8 |
| 0 + 45.99 | | | | | 6.3 / 53 | 6.1 / 50 | 6.07 / 40 cb | 6.68 / 40 | 6.20 / 25 | 6.16 / 10 | 5.67 / 10 | 5.6 |
| | | | | | 342.34 | | 341.70 | 242.29 | 342.34 | 342.95 | 343.0 | |
| 0 + 25 | | | | | 5.1 / 50 | | 5.74 / 9UT Dr | 5.15 / 25 | 5.10 / 9UT | 4.49 / 10 cb | 4.4 | |
| | | | | | 343.6 | | 343.22 | 342.66 | 343.29 | 343.19 | 343.80 | 344.1 |
| 0 + 00 FL Menlo | | | | | 3.8 / 50 | | 4.27 / 40 | 4.78 / 40 9UT | 4.15 / 25 | 4.25 / 10 9UT | 3.64 / 10 cb | 3.3 |

| | | | | | |
|---|---|---|---|---|---|
| SW R.P. Ld & C.T. in Curb 47th & Monroe | | | 10.91 | 336.53 | |
| T.P. | 1.58 | 347.44 | 3.10 | 345.86 | |
| T.P. | 0.77 | 348.96 | 4.54 | 348.19 | |
| SW BP | 5.53 | 352.73 | | 347.20 | El Cajon + 47th |

347.44

H ← S.L. Monroe S

Oct 26-39.
Sisson
Northern



**1+50**
8.15 / 54' = ℄ 8' Conc. Dr. (329.73) · 8.06 / 43' = Nly Pav. (329.82) · 7.04 / 25' (330.84) · 6.28 / 15' (331.60) · 5.55 (332.33) · 5.25 / 34' = Gut. Driv (332.63) · 4.8 / 30' = Sly Walk (333.1)

**1+34.7**
9.12 / 60' = Nly Pav. (328.76) · 8.47 / 50' (329.41) · 7.53 / 38' = Sly Pav (330.35) · 4.50 / 25' = Top Cb (333.38) · 6.65 / 25' = ℄ Cb Ret. on Paving (331.23) · 5.28 / 16' (332.60) · 4.78 / 10' (333.10) · 4.20 / 0.0 (333.68) · 4.01 / 16.6' = Gut (333.87) · 3.48 Cb (334.40) · 3.50 / 22' = Sly Walk (334.38)

**1+24.3**
10.17 / 70' = Nly Pav. (327.71) · 8.84 / 50 (329.04) · 8.52 / 43' = Sly Pav (329.36) · 9.4 / 39' (328.5) · 3.9 / 30' (334.0) · 3.44 Cb (334.44) · 4.28 / 22' = Gut Inlet 4' (333.60) · 3.20 / 0.0 (334.68) · 3.07 / 11.5' = Gut (334.81) · 2.58 Cb (335.30) · 2.63 / 17' = Sly Walk (335.25)

**1+13**
11.50 / 80' = Nly Pav (326.38) · 9.80 / 54' Sly Pav. (328.1) · 9.9 / 45' (328.0) · 3.0 / 35' (334.9) · 2.73 Cb (335.15) · 3.24 / 27' Gut (334.64) · 2.53 / 15' (335.35) · 2.17 / 0.0 (335.71) · 2.11 / 5.8' Gut (335.77) · 1.61 Cb (336.27) · 1.71 / 11' = Sly Walk (336.17)

**1+00**
12.79 / 87' Nly Pav (325.09) · 11.04 / 63' Sly Pav (326.84) · 11.1 / 55' (326.8) · 1.4 / 40' (336.5) · 1.52 Cb (336.36) · 1.97 / 23.3' Gut (335.91) · 1.15 / 15' (336.73) · 0.96 Gutter (336.92) · 0.52 Cb (337.36) · 0.5 / 6' = Sly Walk (337.4)

337.88

| | | | | |
|---|---|---|---|---|
| T.P. | 2.25 | 337.88 | 11.81 | 335.43 |
| | | 347.44 | | |

← S.L. Monroe

5 35

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 2+67 = B.C. | 330.68<br>7.2<br>0.0 | 330.36<br>7.52<br>10 =<br>Cb | 329.88<br>8.00<br>10 =<br>Gutt. | 329.96<br>7.92<br>25' | 329.35<br>8.53<br>40 =<br>Gutter | 329.83<br>8.05<br>40 =<br>Cb | 330.04<br>7.84<br>45 =<br>Sly Walk | |
| 2+31 | 328.91<br>8.97<br>0.0 =<br>Nly Walk | 328.92<br>8.96<br>54 =<br>Cb | 327.97<br>9.91<br>Gut. | 328.59<br>9.29<br>25 | 328.17<br>9.71<br>40 = ℄<br>7' Cb Inlet | 329.04<br>8.84<br>40 =<br>Cb | 329.15<br>8.73<br>45 =<br>Sly W | |
| | | | | | 329.09<br>8.79<br>40 =<br>Top Cb | | 329.20<br>8.68<br>45 =<br>Sly Walk | |
| 2+24.58 | | | 328.77<br>9.11<br>0.0 =<br>C.T. & Lead | 9.11<br>3.5 =<br>℄ 7' Cb Inlet | 10.18<br>Gut on<br>Grat. | 9.58<br>15 | 9.49<br>40 =<br>Gut | |
| 2+18 | | 327.85<br>10.03<br>Gut | 328.82<br>9.06<br>0.0 =<br>Cb | 328.76<br>9.12<br>20' | 328.74<br>9.14<br>39.7 =<br>Gut | 329.28<br>8.60<br>Cb | 329.47<br>8.41<br>45 =<br>Sly Walk | |
| 1+91 | 329.30<br>8.58<br>21.4 =<br>Gut in Dr. | 328.96<br>8.92<br>12.4 =<br>Nly Pav. | 329.43<br>8.45<br>0.0 | 329.88<br>8.00<br>15' | 329.71<br>8.17<br>37 =<br>Gutter | 330.16<br>7.72<br>Cb | 330.26<br>7.62<br>42 =<br>Sly Walk | |

337.88
337.83

| | | | | | |
|---|---|---|---|---|---|
| BM | | | 6.47 | 336.56 | SW cr. in Cb Monroe + 47th St. 336.53 |
| TP | 6.85 | 343.03 | 1.70 | 336.18 | |
| 3+56.09 | | | | | |
| 3+0 | | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 336.0 | 335.23 | 334.73 | 334.65 | 334.09 | 334.59 | 334.73 |
| 1.9 0.0 | 2.65 10= Cb | 3.15 Gut. | 3.23 15 | 3.79 40= Gut. | 3.29 40= Cb | 3.15 45= Sly walk |
| 332.58 | 332.03 | 331.53 | 331.51 | 330.91 | 331.40 | 331.45 |
| 5.3 0.0 | 5.85 10= Cb | 6.35 10= Gut | 6.37 25 | 6.97 40= Gut | 6.48 40= Cb | 6.43 45= Sly walk |

337.88

2-16-40. Moore
Sisson
North/Osborn

XSec Twiggs 50' wide for
10' cbs St. Dept.

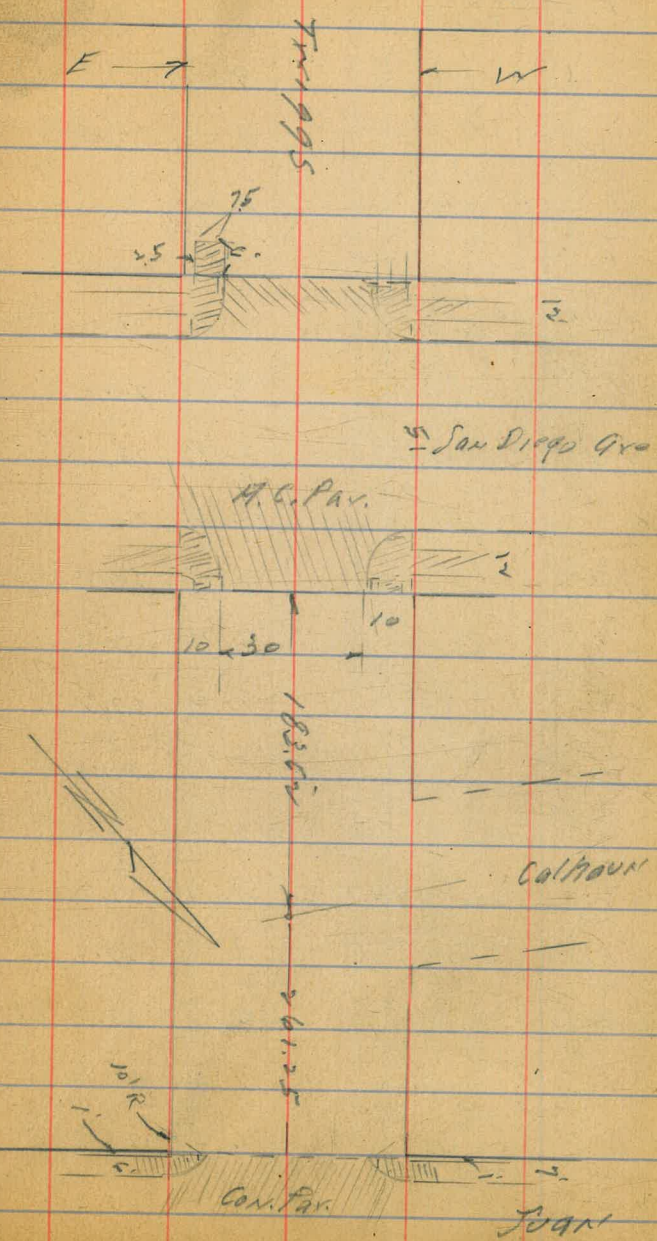
Congress to Juan

| | | | | |
|---|---|---|---|---|
| SW. 7' C.T. | 2.92 | 31.72 | | 28.80 San Diego Twiggs |
| N/y Congress = 0+0 | | | | |
| W | | | 9.8 | 21.9 |
| cb | | | 10.0 | 21.7 |
| + 2 | | | 10.2 | 21.5 |
| C | | | 10.0 | 21.7 |
| cb | | | 9.9 | 21.8 |
| E | | | 9.5 | 22.2 |
| 0+05 | | | | |
| E | | | 8.4 | 23.3 |
| cb | | | 9.9 | 21.8 |
| C | | | 10.0 | 21.7 |
| cb | | | 10.0 | 21.7 |
| W | | | 9.7 | 22.6 |
| 0+50 | | | | |
| W | | | 9.6 | 22.1 |
| cb | | | 9.0 | 22.7 |
| + 4 | | | 9.4 | 22.3 |

Is this same El. as used in xsec of Calhoun

INDEXED
EFB





31.72

| | | | | |
|---|---|---|---|---|
| c | | 8.8 | 22.9 | |
| c6 | | 9.1 | 22.6 | |
| +2 | | 8.3 | 23.4 | |
| E | | 8.2 | 23.5 | |
| 1+00 | | | | |
| E | | 6.7 | 25.0 | |
| c6 | | 7.0 | 24.7 | |
| +1 | | 7.9 | 23.8 | |
| c | | 7.4 | 24.3 | |
| +11 | | 8.5 | 23.2 | |
| +12 | | 7.9 | 23.8 | |
| c6 | | 8.0 | 23.7 | |
| W | | 7.7 | 24.0 | |
| 1+50 | | | | |
| W | | 7.9 | 23.8 | |
| c6 | | 6.5 | 25.2 | |
| +3 | | 6.7 | 25.0 | |
| +5 | | 7.3 | 24.4 | |
| c | | 6.3 | 25.4 | |
| +11 | | 6.5 | 25.2 | |

31.72



| | | | | |
|---|---|---|---|---|
| c6 | | 5.7 | 26.0 | |
| E | | 5.7 | 26.0 | |
| 1+98 | | | | |
| E +1.6 ℄ Cem fl | | 4.62 | 27.10 | 12' wide level |
| 2+00 | | | | |
| E | | 4.6 | 27.1 | |
| c6 | | 4.8 | 26.9 | |
| +3 | | 5.5 | 26.2 | |
| c | | 5.3 | 26.4 | |
| +11 | | 6.0 | 25.7 | |
| c6 | | 4.9 | 26.8 | |
| W | | 5.0 | 26.7 | |
| 2+21 | | | | |
| E -1.4 ℄ 8' apron | | 3.90 | 27.82 | |
| E -3.4 ℄ " gar. | | 3.59 | 28.13 | cem. |
| 2+31 | | | | |
| E ℄ 9 cem walk | | 2.74 | 28.98 | level |
| 2+57 | | | | |
| E +1' ℄ 3 cem. stop | | 2.25 | 29.47 | |
| c6 | | 2.8 | 28.9 | |

31.7x

| | | | |
|---|---|---|---|
| cb + 1 | | 4.1 | 27.6 |
| c | | 3.8 | 27.9 |
| + 13 | | 4 6 | 27.1 |
| cb | | 3.5 | 28.2 |
| w | | 3.4 | 28.3 |
| | x + 9x | | |
| E cb end | | 2.70 | 29.02 |
| | 3 + 00 S & S.D. ave | | |
| W. | | 2.9 | 28.8 |
| cb | | 3.11 | 28.61 |
| gut par. | | 3.5x | 28.20 |
| c | " | 3.28 | 284.4 |
| gut | " | 3.27 | 28.45 |
| cb | | 2.74 | 28.98 |
| E | | 2.3 | 29.4 |
| | 0 + 0 x & S.D. ave | | √√ |
| E | | 1.0 | 30.7 |
| cb | | 0.89 | 3083 |
| gut | | 1.61 | 30.11 |
| c | | 1.64 | 30.08 |

31.7x

| | | | |
|---|---|---|---|
| gut | | 1.87 | 29 85 |
| cb | | 1.23 | 304.9 |
| W | | 1.x | 30.5 |
| T.P. | 11.13 | 4x.63 | 0.22 31.50 |
| | 0 + 50 | | |
| W | | 10.7 | 31.9 |
| + 8 | | 10.2 | 32.4 |
| cb | | 10.8 | 31.8 |
| c | | 10.5 | 32.1 |
| + 14 | | 11.3 | 31.3 |
| cb | | 10.4 | 32.2 |
| + 1 | | 9.4 | 33.2 |
| E | | 9.4 | 33.0 |
| | 1 + 00 | | |
| E | | 7.5 | 35.1 |
| + 9 | | 7.9 | 34.7 |
| cb | | 8.9 | 33.7 |
| c | | 8.3 | 34.3 |
| + 13 | | 8.8 | 33.8 |

42.62

| | | | |
|---|---|---|---|
| c6 | 8.5 | 34.3 | |
| W. | 8.6 | 34.0 | |
| 1+34 | | | |
| E -2 ℄ 3' Cem. walk | 5.64 | 36.99 | |
| 1+38 | | | |
| E E+E 4. 6" cem. drain | 6.44 | 36.19 | outlet |
| 1+56 | | | |
| W | 6.8 | 35.8 | |
| c6 | 6.3 | 36.3 | |
| +1 | 6.7 | 35.9 | |
| C | 5.9 | 36.7 | |
| c6 | 6.6 | 36.0 | |
| E | 4.9 | 37.7 | |
| +11.1 SL 9 from | 3.80 | 38.83 | |
| +29.3 " gar cem. | 3.57 | 39.06 | |
| 1+63.6 = SL Calhoun | | | |
| E | 4.8 | 37.83 | |
| c6 | 5.7 | 36.9 | |
| C | 5.7 | 36.9 | |
| c6 | 6.1 | 36.5 | |

42.63

| | | | |
|---|---|---|---|
| W | 6.2 | 36.4 | |
| 1+72 | | | |
| E +11.1 NL 9 from | 3.90 | 38.9 | |
| +29.1 " gar. | 3.58 | 39.05 | cem |
| ℄ Calhoun | | | |
| W | 6.4 | 36.2 | |
| c6 | 5.8 | 36.8 | |
| C | 5.1 | 37.5 | |
| +12 | 5.8 | 36.8 | |
| c6 | 5.0 | 37.6 | |
| E | 4.2 | 38.4 | |
| NL Calhoun = 0+0 | | | |
| F | 3.4 | 39.2 | |
| +8 | 4.2 | 38.4 | |
| c6 | 5.1 | 37.5 | |
| C | 4.7 | 37.9 | |
| +13 | 5.4 | 37.2 | |
| c6 | 4.5 | 38.1 | |
| W | 4.2 | 38.4 | |

42.63

0+50

| | | | |
|---|---|---|---|
| W | | 0.5 | 42.1 |
| +3 | | 0.5 | 42.1 |
| +6 | | 3.2 | 39.4 |
| cb | | 3.6 | 39.0 |
| C | | 3.0 | 39.6 |
| cb | | 3.2 | 39.4 |
| +2 | | 2.4 | 40.2 |
| E | | 2.0 | 40.6 |
| T.P. | 9.20 | 51.47 | 0.36 42.27 |

1+00

| | | | |
|---|---|---|---|
| E | | 7.6 | 43.9 |
| +5 | | 7.8 | 43.7 |
| cb | | 9.8 | 41.7 |
| C | | 9.8 | 41.7 |
| cb | | 10.7 | 40.8 |
| W | | 9.0 | 42.5 |

51.47

1+50

| | | | |
|---|---|---|---|
| W | | 7.5 | 44.0 |
| cb | | 8.2 | 43.3 |
| C | | 7.5 | 44.0 |
| cb | | 8.0 | 43.5 |
| +3 | | 6.2 | 45.3 |
| E | | 5.8 | 45.7 |

2+00

| | | | |
|---|---|---|---|
| E | | 3.4 | 48.1 |
| +8 | | 4.1 | 47.4 |
| cb | | 5.5 | 46.0 |
| C | | 5.5 | 46.0 |
| cb | | 6.3 | 45.2 |
| W | | 5.4 | 45.9 |

2+41.25 SL Juan

| | | | |
|---|---|---|---|
| W | | 4.4 | 46.9 |
| +9.5 | Top cb | 4.37 | 47.15 end |
| out | Pav | 4.69 | 46.78 |
| C | " | 3.88 | 47.59 |
| +15.5 | out Pav | 3.15 | 48.32 |

51.47

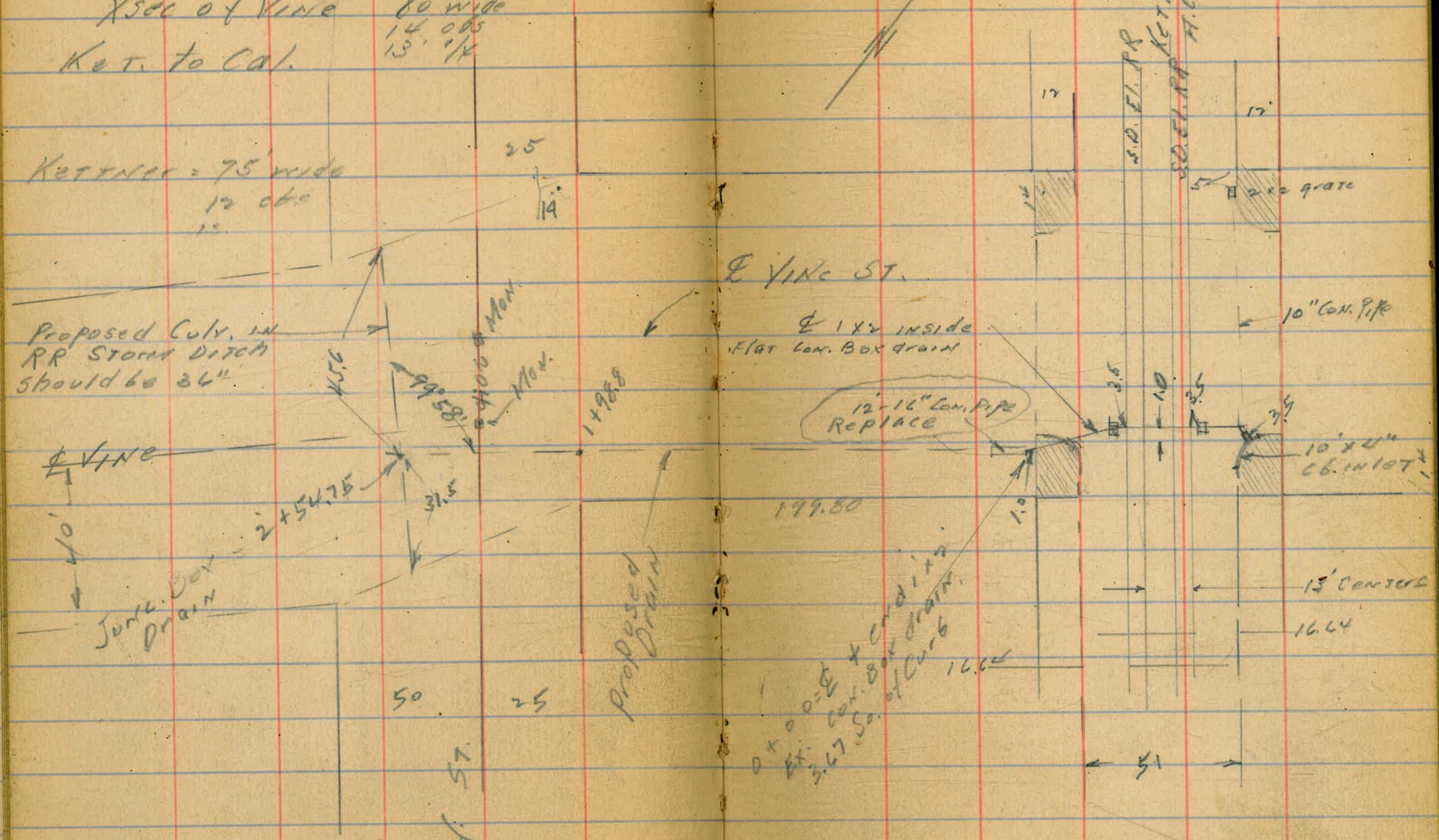
| | | | |
|---|---|---|---|
| ℄ +15.5 Top c6. | 2.44 | 4881 | end |
| E | 2.2 | 49.3 | |
| 2+48.75 S/y c6 Juan St. | | | |
| E Top c6. P.C. | 2.18 | 4929 | |
| E gut " | 2.52 | 4895 | |
| c6 Pav | 3.06 | 48.41 | |
| C " | 3.75 | 4772 | |
| c6 " | 4.46 | 47.01 | |
| W2 gut at P.C. | 4.93 | 4654 | |
| W Top c6 P.C. | 4.59 | 4688 | |
| T.P. 0.50 38.87 | 13.10 | 38.87 | |
| orig. BM. | 10.06 | 2 8.81 | 28.80 |

Moore
Hale 3-7-40.
INDEXED
EFB

Xsec of Vine 80' wide
14 obs
13' o/x

Ket. to Cal.

Kettner = 75' wide
12 obs
1'




See P 49
for drainage layout

X Sec of Vine

SEBP 3.48 4.3.06 ✓ 39.58 Vine Ket.

E. h. Ket.

| | | |
|---|---|---|
| S | 3.36 | 39.70 |
| cb | 3.26 | 39.80 |
| gut | 3.73 | 39.33 |
| 1/4 | 3.22 | 39.84 |
| c | 3.07 | 39.99 |
| 1/4 | 3.20 | 39.86 |
| gut | 3.60 | 39.46 |
| cb | 2.84 | 40.22 |
| N | 3.0 | 401 |

E cb Ket.

| | | |
|---|---|---|
| N cb | 3.43 | 39.63 |
| N gut | 4.19 | 38.87 |
| +5 Fh. 10" Pipe | 4.90 | 38.16 |
| " grate | 3.95 | 39.11 |
| cb | 3.87 | 39.19 |

4.3.06 ✓

54

| | | |
|---|---|---|
| 1/4 | 3.65 | 39.41 |
| c | 3.64 | 39.42 |
| 1/4 | 3.74 | 39.32 |
| cb on xxx grate | 4.04 | 39.02 |
| " Fh. Box | 5.29 | 37.77 |
| S gut | 4.06 | 39.00 |
| S cb | 3.54 | 39.54 |

E 1/4 Ket = 17.75 W of E cb.

| | | |
|---|---|---|
| S | 4.11 | 38.95 |
| C | 4.05 | 3901 |
| N | 4.01 | 3905 |

E rail of E Track

| | | |
|---|---|---|
| N | 4.04 | 39.02 |
| C | 4.18 | 38.88 |
| S | 4.21 | 3885 |

W rail of W Track

| | | |
|---|---|---|
| S | 4.34 | 3874 |
| C | 4.26 | 3880 |
| N | 4.08 | 3898 |

43.06 ✓

W 1/2 KET.

| | | |
|---|---|---|
| N | 4.17 | 38.89 |
| C | 4.16 | 38.90 |
| +25 Top 2x2 grate | 4.40 | 38.66 |
| " FL 1x2 Box drain | 6.10 | 36.96 IN Box drain |
| S | 4.40 | 38.66 |

W C6 KET.

| | | |
|---|---|---|
| S C6 | 4.78 | 38.28 |
| S 9WT | 5.47 | 37.59 |
| C6 | 5.26 | 37.80 |
| 1/2 | 4.73 | 38.33 |
| C | 4.57 | 38.49 |
| 1/2 | 4.64 | 38.42 |
| C6 | 4.94 | 38.12 |
| N 9WT | 5.20 | 37.86 |
| N C6 | 4.48 | 38.58 |

W 2 KET TWD = 0+00

| | | |
|---|---|---|
| N | 4.38 | 38.68 |
| C6 | 4.74 | 38.32 |
| 9WT | 5.39 | 37.67 |

43.06 ✓

43

| | | |
|---|---|---|
| 1/2 | 5.11 | 37.95 |
| C | 5.02 | 38.04 |
| 1/2 | 5.21 | 37.85 |
| 9WT | 6.11 | 36.95 |
| 4' E of above | 5.75 | 37.31 |
| C6 | 4.93 | 38.13 |
| +3.67 + 1' WEST | 7.73 | 35.33 FL. end of 1x2 Box. |
| S | 4.65 | 38.41 |

0 + 12

| | | |
|---|---|---|
| -10 | 9.3 | 33.8 |
| S | 7.9 | 35.2 |
| +10.33 | 7.9 | 35.2 |
| " FL. OUTLET | 9.50 | 33.51 16" P.C.P. |
| C6 | 4.2 | 38.9 |
| 1/2 | 5.0 | 38.1 |
| C | 5.2 | 37.9 |
| 1/2 | 5.0 | 38.1 |
| C6 | 4.9 | 38.2 |
| N | 4.6 | 38.5 |

| | | |
|---|---|---|
| 0+25 | | |
| N | 5.0 | 38.1 |
| cb | 5.2 | 37.9 |
| 1/4 | 5.4 | 37.7 |
| C | 5.2 | 37.9 |
| 1/4 | 5.5 | 37.6 |
| cb | 4.5 | 38.6 |
| S Bot. ditch | 10.6 | 32.5 |
| +2 | 7.5 | 35.6 |
| +10 | 9.1 | 34.0 |
| 0+26 | | |
| -10 | 9.1 | 34.0 |
| S | 7.5 | 35.6 |
| +7 | 4.6 | 38.5 |
| S cb | 4.5 | 38.6 |
| 0+45 | | |
| -10 | 10.0 | 33.1 |
| S | 8.2 | 34.9 |
| +5 | 5.3 | 37.8 |
| cb | 4.8 | 38.3 |





| | | |
|---|---|---|
| 1/4 | 5.3 | 37.8 |
| C | 5.5 | 37.6 |
| 0+50 | | |
| N | 5.7 | 37.4 |
| cb | 5.8 | 37.3 |
| 1/4 | 5.7 | 37.4 |
| C | 5.6 | 37.5 |
| 1/4 | 5.7 | 37.4 |
| cb | 7.2 | 35.9 |
| S | 8.2 | 34.9 |
| +10 | 10.0 | 33.1 |
| 0+75 | | |
| -10 | 11.3 | 31.8 |
| S | 11.1 | 32.0 |
| cb | 9.3 | 33.8 |
| 1/4 | 8.0 | 35.1 |
| C | 5.8 | 37.3 |
| 1/4 | 5.9 | 37.2 |
| cb | 6.0 | 37.1 |
| N | 6.1 | 37.0 |

| | | | | |
|---|---|---|---|---|
| | | 43.04 | | |
| T.P. | 3.87 | 38.98 | 7.95 | 35.11 |
| 0+95 | | | | |
| N | | | 2.4 | 36.4 |
| c6 | | | 2.5 | 36.5 |
| 1/4 | | | 2.8 | 36.2 |
| +8 | | | 2.7 | 36.3 |
| C | | | 4.7 | 34.3 |
| 1/4 | | | 5.7 | 33.3 |
| c6 | | | 6.4 | 32.6 |
| S | | | 8.9 | 30.1 |
| +10 | | | 8.4 | 30.4 |
| 1+07 | | | | |
| -10 | | | 9.0 | 30.0 |
| S | | | 9.0 | 30.0 |
| c6 | | | 9.0 | 30.0 |
| 1/4 | | | 6.8 | 32.2 |
| C | | | 6.7 | 32.3 |
| 1/4 | | | 6.7 | 32.3 |

38.98

| | | | |
|---|---|---|---|
| 1/4 +7 | | 6.8 | 32.2 |
| c6 | | 3.4 | 35.6 |
| N | | 3.1 | 35.9 |
| 1+25 | | | |
| N-10 | | 7.1 | 31.9 |
| N | | 8.1 | 30.9 |
| c6 | | 8.2 | 30.8 |
| 1/4 | | 9.0 | 30.0 |
| C | | 7.9 | 31.1 |
| 1/4 | | 8.0 | 31.0 |
| c6 | | 8.2 | 30.8 |
| S | | 9.4 | 29.6 |
| +10 | | 9.5 | 29.5 |
| 1+50 | | | |
| -10 | | 11.4 | 27.6 |
| S | | 11.0 | 28.0 |
| c6 | | 10.2 | 28.8 |
| 1/4 | | 9.7 | 29.3 |
| C | | 9.4 | 29.6 |
| 1/4 | | 10.2 | 28.8 |

| | | | | |
|---|---|---|---|---|
| | | 38.98 | | |
| cb | | | 9.8 | 29.2 |
| N | | | 10.6 | 28.4 |
| +10 | | | 11.0 | 28.0 |
| 1+99.8 E.L. Calif. | | | | |
| -10 | | | 14.0 | 25.0 |
| N | | | 13.8 | 25.2 |
| cb | | | 12.9 | 26.1 |
| 1/4 | | | 12.2 | 26.8 |
| c | | | 12.7 | 26.3 |
| 1/4 | | | 13.3 | 25.7 |
| cb | | | 12.6 | 26.4 |
| S | | | 14.1 | 24.9 |
| +10 | | | 15.8 | 23.2 |
| TP | 1.07 | 28.61 ✓ | 11.44 | 27.54 |
| E.L. Calif = 0+00 (Sec.s Taken Parallel with Cal. | | | | |
| 0+25 | | | | |
| S -5 | | | 6.1 | 22.5 |
| S | | | 6.0 | 22.6 |

| | | | | |
|---|---|---|---|---|
| | | 28.61 ✓ | | |
| cb | | | 6.0 | 22.6 |
| 1/4 | | | 4.7 | 23.9 |
| c | | | 3.2 | 25.4 |
| 1/4 | | | 3.5 | 25.1 |
| cb | | | 4.0 | 24.6 |
| N | | | 4.4 | 24.2 |
| 0+50 | | | | |
| N | | | 5.2 | 23.4 |
| cb | | | 4.0 | 24.6 |
| 1/4 | | | 3.7 | 24.9 |
| c | | | 4.5 | 24.1 |
| 1/4 | | | 4.6 | 24.0 |
| cb | | | 5.6 | 23.0 |
| S | | | 6.5 | 22.1 |
| +10 | | | 6.6 | 22.0 |
| Culv. Levels = E.L. Calif. to Junc. Box | | | | |
| 1+98.8 | | | 1.8 | 26.8 |
| 2+23.8 | | | 5.8 | 22.8 |
| 2+42 | | | 5.4 | 23.2 |
| 2+54.75 | | | 7.6 | 21.0 = Junc. Box |

0+00 = 1' West of W.L. Kettner = End of 1x2 Box drain
Interpolate Profile of drain from 0+00 to 1+98.8 = E.L. Calif. 1/Sec Notes

28.61 March 1940

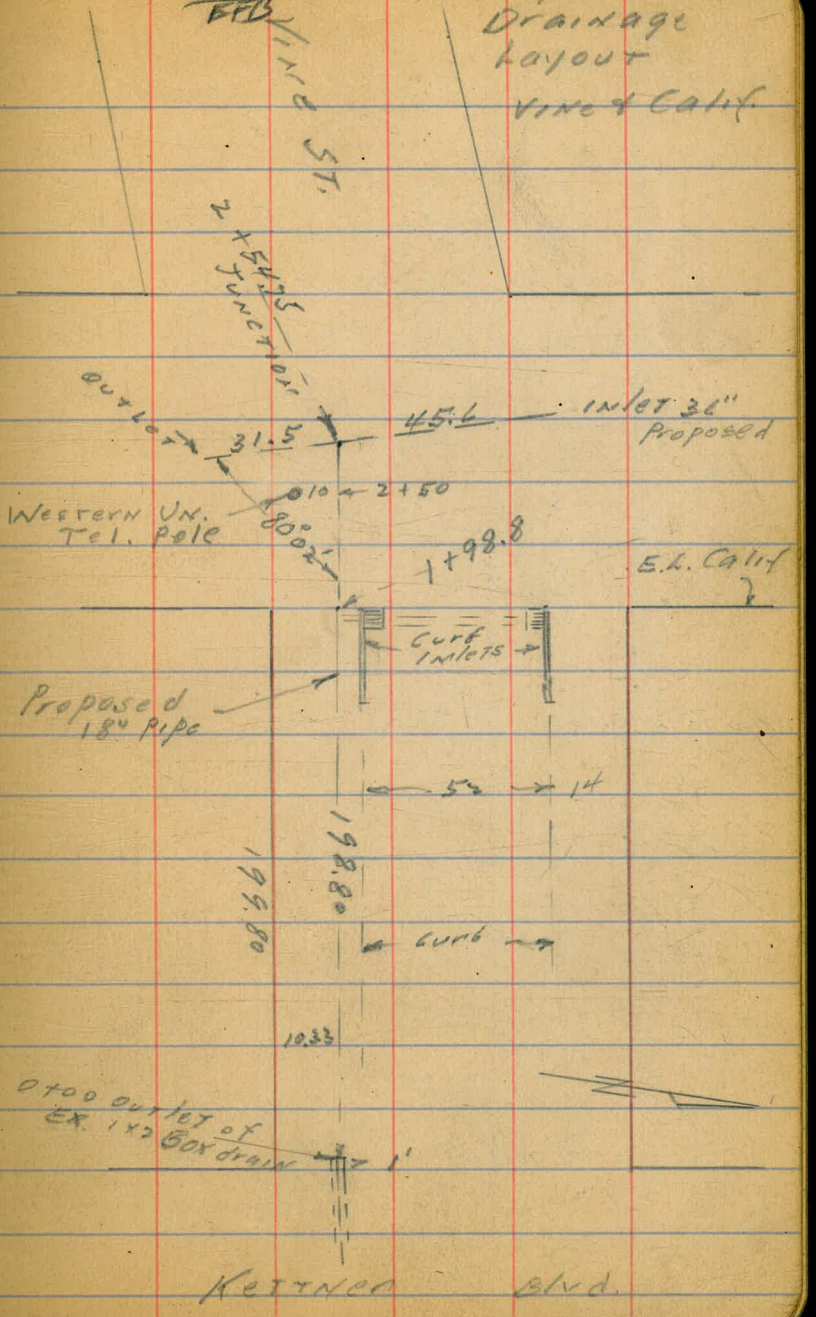
for Culv. in R.R.

Culv. Levels Storm ditch

| | | | |
|---|---|---|---|
| 55.6 N | 7.5 | 21.1 | = Inlet |
| 45.6 N = NL Vine | 7.5 | 21.1 | |
| Junc. Box = 2+54.75 | 7.6 | 21.0 | |
| 31.5 = SL Vine | 7.8 | 20.8 | |
| 41.5 | 7.8 | 20.8 | = outlet |
| ℄ Vine & E. Rail Santa Fe RR | 5.47 | 23.14 | |
| Bot. wires on lower + 4.4 xarm Western Union + Postal Tel. | | 32.01 | |

INDEXED EFB

Proposed Drainage Layout Vine & Calif.



Walker
Bliss
Isbell
March 18-1940

CROSS SECTION ALLEY BLK. 5
CHESTER PARK ADD.
BETWEEN MENLO AND 47TH
FROM ORANGE TO EL CAJON BLVD.

| | | | |
|---|---|---|---|
| | 357.23 | 354.64 | N.W.B.P. Orange |
| 2.59 | ~~357.10~~ | ~~354.51~~ | + 47th |

0 - 1.5 = N. cb. Line Orange Ave.

| | | |
|---|---|---|
| E top cb. Return | 5.08 | 352.15 |
| E Gut. on ground | 5.7 | 351.5 |
| ℄ " " | 5.6 | 151.6 |
| W " " " | 6.3 | 150.9 |
| W top cb Ret. | 5.66 | 151.57 |

0+00 = N.L. Orange

| | | |
|---|---|---|
| W+0.1' = top cb. | 5.35 | 151.88 |
| " Gut. | 5.4 | 151.8 |
| ℄ | 5.4 | 151.8 |
| +7 | 5.4 | 151.8 |
| E Gut. | 4.7 | 152.5 |
| E +9.90 | 4.67 | 152.56 |

Replace 5.5' cb. on East (From N. Line to N edge of Walk = 5.5' No cb)

0 + 20

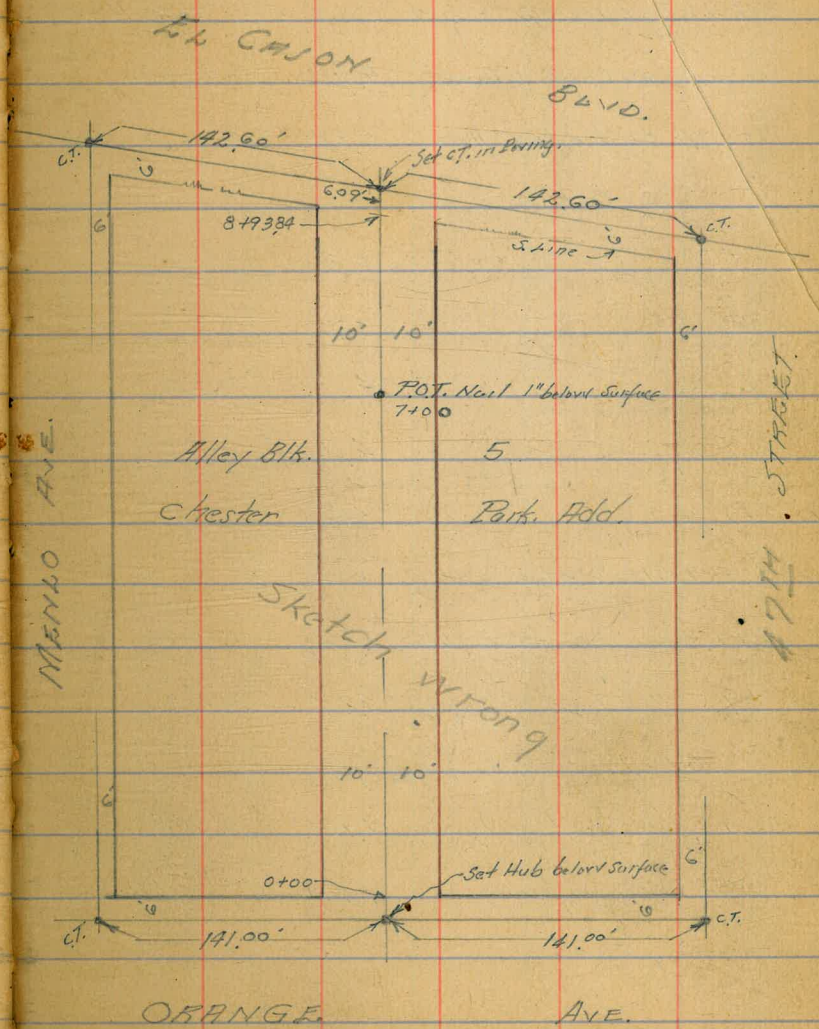
| | | |
|---|---|---|
| E | 4.6 | 152.6 |
| +7 | 5.0 | 152.2 |

Red. & Plat on profile 28.23
3/19-1940 EBH

INDEXED
EFB

For New Cross Sections See F.B. 2063-43





35723 Alley Blk 5
35710 Chester Park

See note page 56

| | | |
|---|---|---|
| ℄ | 4.9 | 352.3 |
| W | 5.1 | 352.1 |
| 0+41.5 = ℄ Garage on W. Conc. Floor and Conc. Apron. | | |
| W-3.7' on Conc. Floor | 4.92 | 352.31 |
| W-0.4 on toe Conc. Apron | 5.30 | 351.93 |
| 0+50 | | |
| -5 | 5.3 | 351.9 |
| W | 5.0 | 352.2 |
| ℄ | 4.7 | 352.5 |
| +7 | 4.7 | 352.5 |
| E. | 4.3 | 352.9 |
| 0+51 = S. edge Garage on E. | | |
| E. +1.3' on toe of Conc. Apron | 3.98 | 353.25 |
| +9.5" Floor of garage | 3.87 | 353.36 |
| 0+67 = N edge Above garage | | |
| E. +1.3' on toe of Apron | 3.94 | 353.29 |
| 0+85 = ℄ Garage on W | 5.0 | 352.2 5.6' Back dirt Floor. |
| 1+00 | | |
| E | 4.0 | 353.2 |
| +7 | 4.3 | 352.9 |

35710
35723

51

| | | | |
|---|---|---|---|
| ℄ | 4.2 | 353.0 | |
| +6 | 4.5 | 352.7 | |
| W | 3.7 | 353.5 | |
| +1 | 4.7 | 352.5 | |
| +5 | 4.8 | 352.4 | |
| | 361.93 | | 353.42 |
| TP | 8.51 361.80 | 3.81 | 353.29 |
| 1+00 | | | |
| W+0.5 on top Conc. Wall | 8.00 | | 353.93 |
| 1+50 | | | |
| W-5 | 9.4 | | 352.5 |
| -1 | 9.4 | | 352.5 |
| -0.3 on top Wall | 8.00 | | 353.93 |
| W | 8.0 | | 353.9 |
| +4 | 8.9 | | 353.0 |
| +6 | 8.5 | | 353.4 |
| ℄ | 8.4 | | 353.5 |
| +6 | 8.5 | | 353.4 |
| +8 | 8.7 | | 353.2 |
| E. | 8.5 | | 353.4 |
| | 8.0 | | 353.9 Gravel Floor |

1+68 = N. edge Garage on West. North entrance

Alley Blk 5 Chester Park

| | | | |
|---|---|---|---|
| | 36180 | | |
| | 36193 | | |
| 2+00 | | | |
| -5' | | 7.2 | 354.7 |
| E. | | 7.8 | 354.1 |
| ℄ | | 7.9 | 354.0 |
| W | | 8.0 | 353.9 |
| +5 | | 8.3 | 353.6 |
| 2+43 = ℄ Garage on W | | | |
| W-6.3' on " Conc. Apron | | 7.12 | 354.81 |
| W-5.6' " " Floor | | 7.12 | 354.81 |
| 2+50 | | | |
| -5' | | 7.0 | 354.9 |
| W | | 7.1 | 354.8 |
| ℄ | | 6.7 | 355.2 |
| E. | | 6.6 | 355.3 |
| +5 | | 6.3 | 355.6 |
| 3+00 | | | |
| E. | | 6.0 | 355.9 |
| ℄ | | 5.9 | 356.0 |
| W | | 6.4 | 355.5 |
| +5 | | 6.7 | 355.2 |
| 3+27 = ℄ Garage on E. | | 5.4 | 356.5 4' Back Dirt Floor |

| | | | |
|---|---|---|---|
| | 36180 | | |
| | 36193 | | |
| 3+44 = ℄ Garage on East | | | |
| E-3.5 on toe Conc. Apron | | 5.34 | 356.59 |
| -4.0 on Floor | | 5.15 | 356.78 |
| 3+50 | | | |
| -5 | | 5.8 | 3561 |
| W | | 5.4 | 356.5 |
| ℄ | | 5.4 | 356.5 |
| E. | | 5.4 | 3565 |
| 4+00 = Beginning Fence on W 0.2' in Alley | | | |
| E. | | 4.5 | 357.4 |
| ℄ | | 4.6 | 357.3 |
| W | | 4.7 | 357.2 |
| +1 | | 4.8 | 357.1 |
| +5 | | 5.3 | 356.6 |
| 4+10 = ℄ garage on West | | 4.22 | 357.71 3' Back Conc. Floor |
| 4+29 = ℄ " " East | | 4.0 | 357.9 3.7' Back Dirt Floor |
| 4+50 | | | |
| E. | | 4.0 | 357.9 |
| ℄ | | 4.0 | 357.9 |
| W | | 4.3 | 357.6 |

Alley Blk 5 Chester Park

| | | | |
|---|---|---|---|
| | ~~361.80~~ 361.93 | | |
| +1 | | 4.7 | 357.2 · |
| +5 · | | 4.9 | 357.0 · 3.6 Back |
| 4+59 = ℄ Garage on E. | | 3.7 | 358.2 · Dirt Floor |
| 5+00 = end of Fence on W 0.2 in Alley | | | |
| -5 | | 4.2 | 357.7 · |
| -1' | | 4.2 | 357.7 · |
| W | | 3.2 | 358.7 · |
| ℄ | | 2.9 | 359.0 · |
| E | | 2.9 | 359.0 · |
| T.P. | 4.67 ~~363.61~~ 363.74 | 2.86 | ~~358.94~~ 359.07 · 5' Back |
| 5+19 = ℄ garage on West | 4.78 | | 358.96 Conc. Floor |
| 5+00 to 5+28 Fence on E 0.4 in Alley | | | |
| 5+32 = S. edge Conc. Drive | 4.58 | | 359.16 · 0.2 in Alley on East |
| 5+41 = N " " " | 4.58 | | 359.16 · " " |
| 5+46 = ℄ Garage on E. Conc. Floor | | | |
| ℄ +9.5 = toe Conc. Apron | 4.51 | | 359.23 · |
| E. +1.5 = Garage Floor | 4.35 | | 359.39 · |
| 5+50 | | | |
| E | | 4.5 | 359.2 · |
| ℄ | | 4.7 | 359.0 · |

| | | | |
|---|---|---|---|
| | ~~363.61~~ 363.74 | | |
| W | | 4.7 | 359.0 · |
| +5 | | 4.8 | 358.9 · 2.4' Back |
| 5+57 = ℄ Garage on E. | | 4.67 | 359.07 Conc. Floor |
| 5+67 = " " " " | | 4.5 | 359.2 · 3.3' Back Dirt Floor |
| 6+00 | | | |
| W | | 4.7 | 359.0 · |
| ℄ | | 4.7 | 359.0 · |
| E | | 4.7 | 359.0 · |
| 6+08 = ℄ Dble garage | | 4.55 | 359.19 · 9.5' Back Conc. Floor |
| 6+19 = ℄ Garage on E. Conc. Floor. | | | |
| E - 1.0 on garage Floor | | 4.98 | 358.76 · |
| E - 8.1 " Conc. Apron | | 5.12 | 358.62 · |
| 6+45 = ℄ Garage on W | | 4.47 | 359.27 · 5.7 Back Conc. Floor |
| 6+48 = ℄ " " E. | Conc. Floor | | |
| E - 4.8 on garage Floor | | 4.95 | 358.79 · |
| E - 2.8 " toe Conc. Apron | | 5.12 | 358.62 · |
| 6+50 | | | |
| E | | 4.8 | 358.9 · |
| +4 | | 5.1 | 358.6 · |
| ℄ | | 4.8 | 358.9 · |

Alley Blk 5
Chester Park

| | | | |
|---|---|---|---|
| | ~~363.61~~ 363.74 | | |
| ℄ +5 | | 5.0 | 358.7 · |
| W | | 4.6 | 359.1 · |
| +5 | | 4.5 | 359.2 · 6' Back |
| 6+89 = ℄ garage on E | | 5.6 | 358.1 · Dirt Floor 0.6' Back |
| 6+95 = ℄ " " W | | 4.8 | 358.9 · Dirt Floor |
| 7+00 | | | |
| W | | 5.1 | 358.6 · |
| +4 | | 5.6 | 358.1 · |
| ℄ | | 5.6 | 358.1 · |
| E | | 5.5 | 358.2 · |
| 7+25 | | | |
| E | | 6.0 | 357.7 · |
| +5 | | 6.3 | 357.4 · |
| ℄ | | 6.1 | 357.6 · |
| W | | 5.7 | 358.1 · 3.3' Back |
| Not taken in Regular order | | | |
| 7+18 = ℄ Garage on W | | 5.24 | 358.50 Conc Floor 5'± Entrance |
| | 360.08 | | 356.66 · |
| T.P. | 3.42 ~~359.95~~ | 7.08 | ~~356.53~~ |
| 7+50 | | | |
| W | | 2.1 | 358.0 · |
| +5 | | 3.3 | 356.8 · |

| | | | |
|---|---|---|---|
| | ~~359.95~~ 360.08 | | |
| ℄ | | 3.2 | 356.9 · |
| +5 | | 3.5 | 356.6 · |
| E | | 3.3 | 356.8 · 8.8' Back Conc. Floor |
| 7+56 = ℄ Garage on E | | 3.65 | 356.43 · |
| ~~8+00 = ℄ Garage on West Conc. Floor~~ | | | |
| 7+60 to 7+90 Fence on W. 0.4' in Alley | | | |
| 7+90 | | | |
| E | | 5.2 | 354.9 · |
| +5 | | 5.7 | 354.4 |
| ℄ | | 5.9 | 354.7 |
| +5 | | 5.4 | 354.7 |
| W | | 4.0 | 356.1 · |
| 8+00 = ℄ Garage on W 0.1' in Alley Conc. Floor | | | |
| W + 0.1' on Garage Floor | | 5.77 | 354.31 · |
| +3' on toe Conc. Apron | | 5.69 | 354.39 · |
| ℄ | | 6.0 | 354.1 · |
| +5 | | 6.2 | 353.9 · |
| E | | 5.8 | 354.3 · |

359.95
360.08

Alley Blk 5
Chester Park

8+06 = Beginning Cobble Wall on West on line
No Conc. Base under Wall. Laid on ground

| | | |
|---|---|---|
| West on top cbble Wall | 7.35 | 357.73 |
| " " Ground = Base of Wall | 5.8 | 354.3 |
| 8+30 | | |
| E | 7.6 | 352.5 |
| ℄ | 7.6 | 352.5 |
| +6 | 7.2 | 352.9 |
| +7 | 6.6 | 353.5 |
| W +0.1 = Base Wall | 6.2 | 353.9 |
| +0.5 on top " | 2.96 | 357.12 |
| 8+50 | | |
| -0.2 on Wall | 4.30 | 355.78 |
| W at Base of Wall | 6.9 | 353.2 |
| +2 | 7.2 | 352.7 |
| +5 | 8.3 | 351.8 |
| ℄ | 8.5 | 351.6 |
| E | 8.5 | 351.6 |
| 8+80 | | |
| E | 10.0 | 350.1 |
| ℄ | 10.3 | 349.8 |

359.95
360.08

55

| | | | |
|---|---|---|---|
| T.P. | 6.04 | 356.31<br>356.18 | 9.81 350.27<br>350.14 |
| ℄ +6' | | | 6.6 349.7 |
| +9 | | | 3.8 352.5 |
| W | | | 3.4 352.9 |
| +0.3 = Base of Cobble Wall | | | 3.3 353.0 |
| +0.5 on top " " | | | 1.3 355.0 |
| 8+93.84 = SL. El Cajon Ave | | | |
| W on Top Wall | | | 1.6 354.7 |
| W +0.1' top cb. | | | 7.06 349.25 |
| " Gut. on Paving | | | 7.21 349.10 |
| ℄ " " | | | 7.66 348.65 |
| +9.6 = E. Gut " | | | 7.48 348.83 |
| E top cb. | | | 7.35 348.96 |
| 9+09.84 = S. cb. Line El Cajon | | | |
| E cb Ret. | | | 7.69 348.62 |
| " on Pav. | | | 8.13 348.18 |
| ℄ " " | | | 7.96 348.35 |
| W " " | | | 7.82 348.49 |
| W top cb Ret | | | 7.37 348.94 |
| Chk. SW. BD El. Cajon | | 347th | 9.11 347.20<br>347.07<br>347.20 = BM |

Cont P-56

Alley Blk 5
Chester Park.

| | | | | | |
|---|---|---|---|---|---|
| | | 356.81<br>~~356.18~~ | | | |
| T.P. | 8.17 | 355.37<br>~~355.24~~ | 9.11 | 347.20<br>~~347.07~~ | |
| T.P. | 6.32 | 360.26<br>~~360.13~~ | 1.43 | 353.94<br>~~353.81~~ | |
| Chk. starting B.M. | | | 5.60 | 354.66<br>~~354.53~~ | |
| | | | | 354.64<br>~~354.51~~ | |
| | | | | 0.02 Error. | |
| T.P. | 1.28 | 355.92<br>~~355.81~~ | 5.60 | 354.64<br>~~354.53~~ | |
| Chk. NW. BP. Orange & | | | 6.61 | 349.31<br>~~349.20~~ | |
| | | | | ~~349.33~~ = B.M.<br>~~0.13~~ = difference<br>0.02 | |

Please Note: starting B.M. NW. Orange & 47th is 0.13 too Low. Elev. should be 354.64 to check B.M. at El Cajon & 47th and to " " " Orange & Menlo

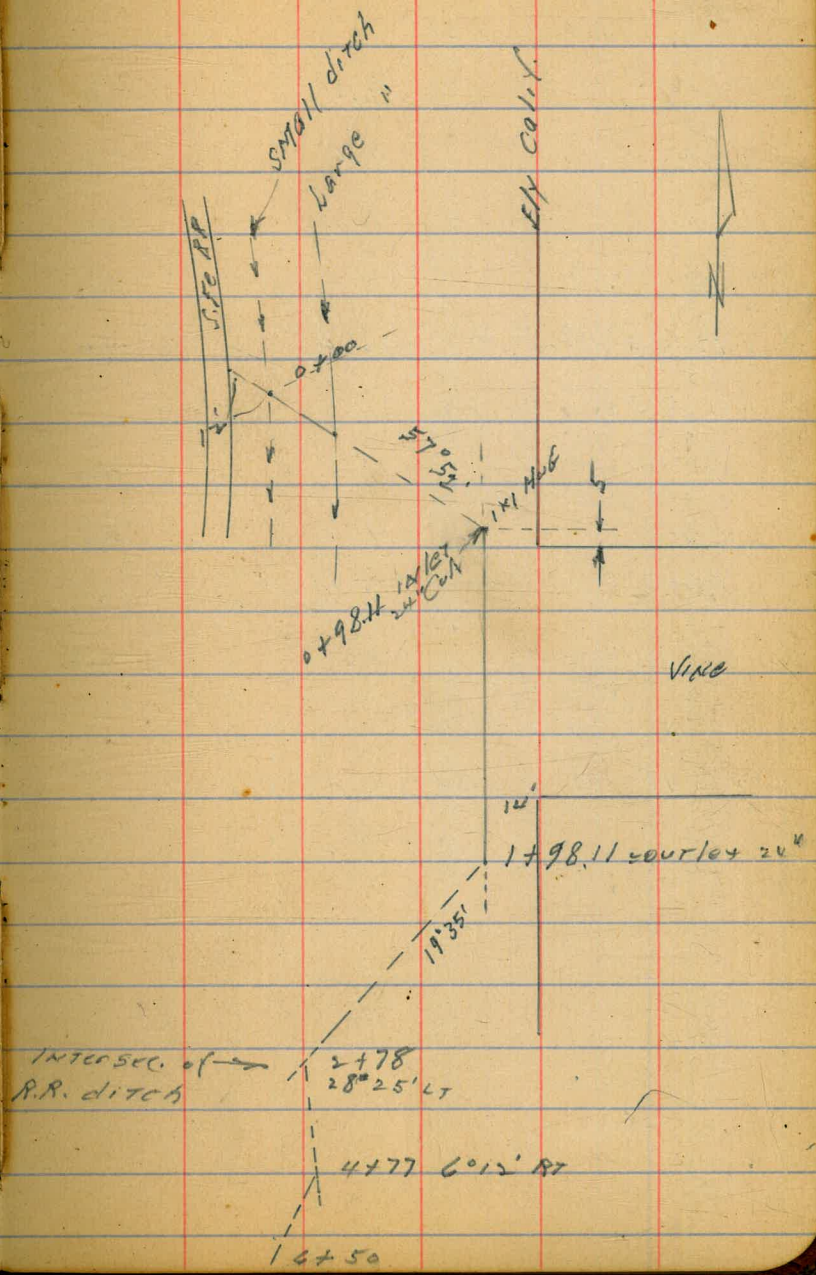
Moore
4-2-40

INDEXED
EFB



Levels for storm ditch
Vine & Calif.

| | | | | |
|---|---|---|---|---|
| Top E rail & Vine | 6.50 | 29.64 | 23.14 | pug |
| 0-12 Top E rail | | 6.66 | | 22.98 |
| 0+00 ℄ small ditch | | 8.5 | | 21.1 |
| 0+08 Top Dyke | | 4.9 | | 24.7 |
| 0+21 ℄ Large ditch | | 8.0 | | 21.6 |
| 0+30 | | 5.4 | | 24.2 |
| 0+40 | | 4.3 | | 25.3 |
| 0+53 | | 6.0 | | 23.6 |
| 0+75 | | 6.0 | | 23.6 |
| 0+98.11 Δ 57°52' Rt | | 5.4 | | 24.2 = Inlet Culv |
| 1+30 | | 3.8 | | 25.8 |
| 1+67 | | 3.6 | | 26.0 |
| 1+91 | | 6.9 | | 22.7 |
| 1+98.11 Δ 19°35' Rt | | 6.9 | | 22.7 = outlet " |
| 2+40 | | 6.2 | | 23.4 |
| 2+78 Δ 28°25' Lt | | 9.2 | | 20.4 |



| | | | |
|---|---|---|---|
| | ~9.4 | | |
| 3+00 | | 9.4 | 20.2 |
| +50 | | 9.6 | 20.0 |
| 4+00 | | 9.4 | 20.0 |
| +50 | | 10.4 | 19.2 |
| 4+77 | Δ 6°12' Rt. | 10.6 | 19.0 |
| " | 3.5 W ± Tel. Pole | | |
| 5+00 | | 11.0 | 18.6 |
| +50 | | 11.0 | 18.6 |
| 6+00 | | 11.9 | 17.7 |
| 6+50 | | 13.6 | 16.0 |

~ +78 to 6+50 in RR ditch

Moore
Osborn
Hale
4-19-40.

# "B" line

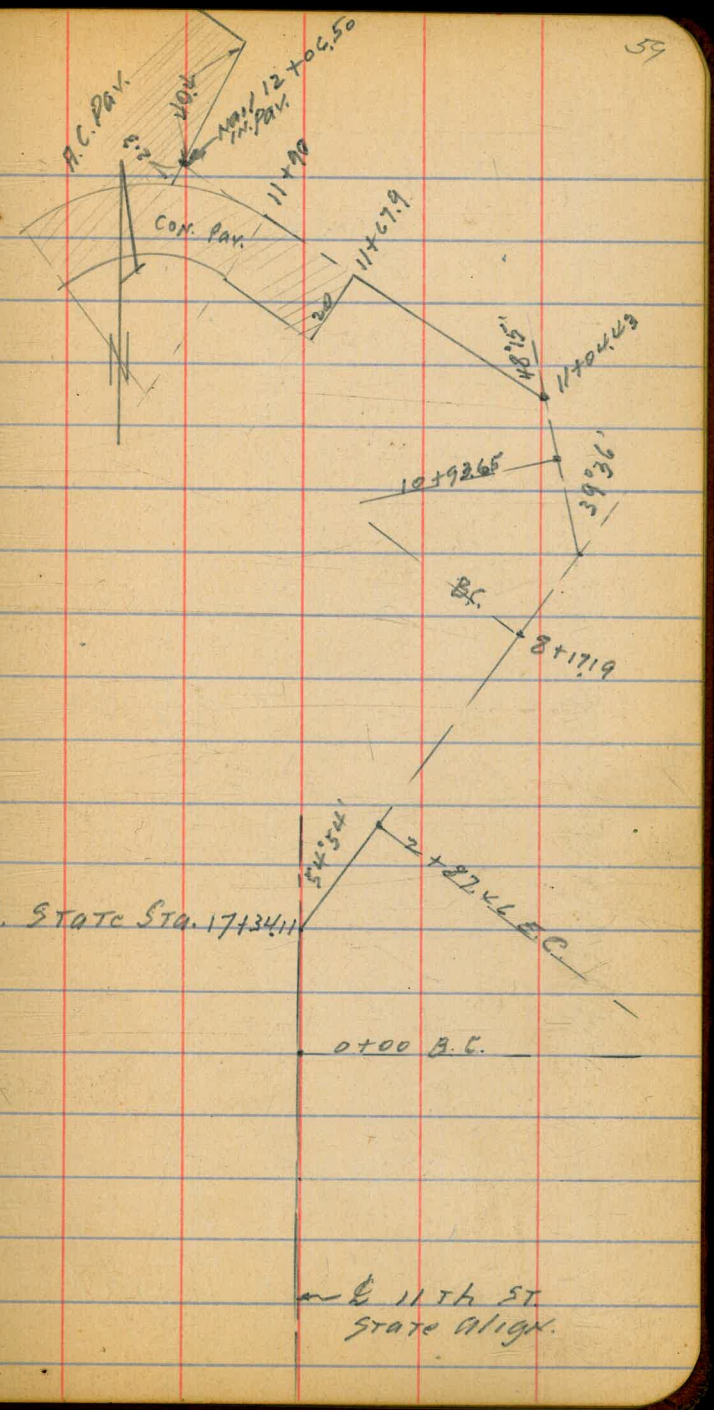
INDEXED
EFB

## Park Rd. Survey

## 11th St. to Ford Bowl.

Δ = 39° 36' Lt.
R = 400
T = 144.01
L = 276.46

Δ = 54° 54' Rt.
R = 300
T = 155.84
L = 287.46



| | | | | |
|---|---|---|---|---|
| | 1+50 | 23° 57.5 | | 99.5 |
| | | | | 9.9 |
| | | | | 97.9 |
| | 2 | 19° 06.0 | | 11.5 |
| | | | | 97.4 |
| | 1+50 | 14° 19.5 | | 12.0 |
| | | | | 97.32 |
| | 1 | 9° 33.0 | | 12.07 Parr. |
| | | | | 96.58 |
| | 0+50 | 4° 46.5 | | 12.81 Parr. |
| | | | | 96.03 |
| | 0+00 B.C. RT | | | 13.36 Parr. |
| State B.M. 43 | 10.31 | 109.39 ✓ | 99.08 | 109.39 |

Top + N. end of inlet on West 7' West of 1+00

| | | | | | |
|---|---|---|---|---|---|
| T.P. Lath | 12.33 | 146.05 | 0.11 | 133.72 | L' RT. of 5+00 |
| + 50 | | | | | |
| T.P. | 12.53 | 133.83 | 0.13 | 121.30 | |
| " | | | | | |
| T.P. | 12.73 | 121.43 | 0.29 | 108.70 | |
| +50 | | | | | |
| 3 | | | | | |
| 2 + 87.46 | E.C. | 27°27.0 | | | |
| | | 109.39 | | | |

2 C1

123.9
9.9

133.83

111.2
10.2

121.43

103.4
6.0

101.0
8.4

100.3
9.1

109.39

| | | | | |
|---|---|---|---|---|
| 7+00 | | | | |
| TP | 12.80 | 171.16 | 0.11 | 158.36 |
| 1 75 | | | | |
| +50 | | | | |
| T.P. | 12.81 | 158.47 | 0.39 | 145.66 |
| 6 | | | | |
| +50 | | | | |
| 5+00 | | | | |
| | | 146.05 | | |

158.8
12.4

171.16
8

154.9
3.6

147.9
10.6

158.47
5

142.2
3.9

139.8
6.3

135.5
10.6

146.05
7

| | | | | | |
|---|---|---|---|---|---|
| 7+00 | 9+00 | 5° 55.8 | | | |
| TP | TP | 13.03 | 194.71 | 0.20 | 183.68 |
| 1 79 | +50 | 2° 20.9 | | | |
| +5 | 8+17.19 | B.C. LT. | | | |
| T.P. | | | | | |
| | 8 | | | | |
| 6 | | | | | |
| | T.P. | 13.10 | 183.88 | 0.38 | 170.78 |
| +5 | +50 | | | | |
| 5+00 | 7+20 | | | | |
| | | 171.16 | | | |

187.7
9.0

194.71
2
179.2
47

174.7
9.2

172.3
11.6

183.88
2
166.8
44

159.7
11.5

171.16
2

| | | | | | | | ℄ |
|---|---|---|---|---|---|---|---|
| 11 + 04.43 | Δ 48°15' Lt | | | | | | 204.7 / 4.7 |
| 10 + 93.65 | E.C. | 19°48.0 | enters Huta | | Park here | | 204.2 / 5.2 |
| +50 | 16°40.5 | | | | | | 201.1 / 8.3 |
| 10 | 13°05.6 | | | | | | 197.7 / 11.7 |
| T.P. | 12.91 | 209.42 | 0.20 | 196.51 | | | 209.42 / 2 |
| +50 | 9°30.7 | | | | | | 193.9 / 2.8 |
| 9+25 | | | | | | | 192.8 / 3.9 |
| | | 196.71 | | | | | 196.71 / 5 |

| | | | | | |
|---|---|---|---|---|---|
| 8+00 See Sisson Survey 1512-11 | | | 9.43 | 204.7 | on ground 204.8 |
| 12+06.5 edge Pav | | | | | |
| 11+90 | | | | | |
| T.P. | 5.23 | 214.13 | 0.52 | 208.90 | |
| 11+67.90 | | | | | |
| 11+20 | | | | | |
| | | 209.42 | | | |

LT ℄ RT. 65

209.41 210.69 210.87 211.72 212.40

4.92 / 22.3 3.44 / 2.3 3.26 2.41 / 20.2 1.73 / 40.4

210.21
3.92 Pav

214.13
209.10
0.32 Pav

206.4
3.0

209.42

Cross Section Garrison St.
Rosecrans N. Wly

INDEXED
EFB

| | | | | | |
|---|---|---|---|---|---|
| BM | 1.99 | 11.91 | | 9.92 | S.W. 7 Mon Rosecrans & Dickens |
| TP | 5.14 | 8.19 | 8.86 | 3.05 | |

0+0 = W Cb Rosecrans

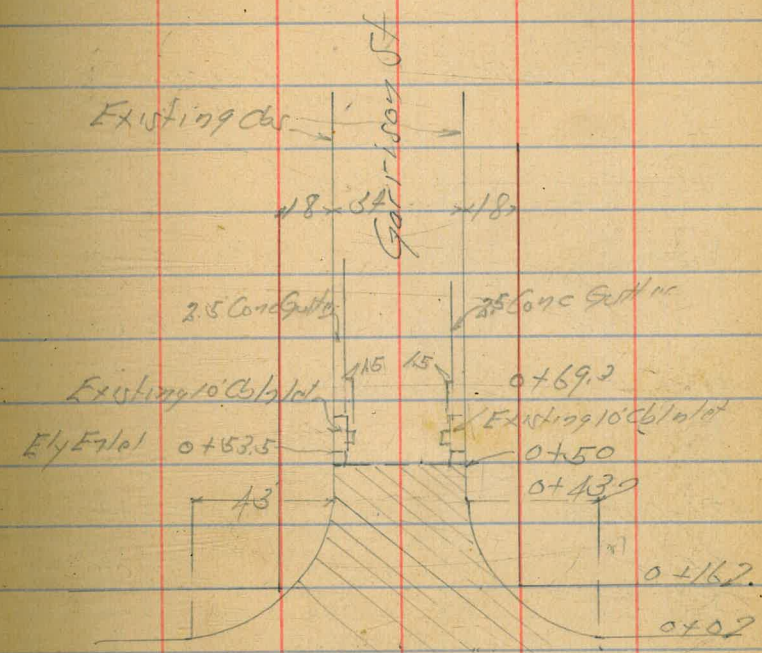
| | | | |
|---|---|---|---|
| -25 | Cb Top = B.C. | 5.40 | 2.79 |
| -25 | Gutter on Pav | 6.07 | 2.12 |
| S | " " | 5.80 | 2.39 |
| Cb | " " | 5.67 | 2.52 |
| ℄ | " " | 5.56 | 2.63 |
| Cb | " " | 5.63 | 2.56 |
| N | " " | 5.61 | 2.58 |
| +25 | " " | 5.75 | 2.44 |
| +25 | Cb Top = E.C. | 5.14 | 3.05 |

0+16

| | | | |
|---|---|---|---|
| N | | 5.2 | 3.0 |
| +82 | = Cb Top | 5.15 | 3.04 |
| | Gutter | 5.79 | 2.40 |
| Cb | on Pav | 5.70 | 2.49 |
| ℄ | " " | 5.66 | 2.53 |
| Cb | " " | 5.89 | 2.30 |

Red. 5-14/40 C.B.H.

May 13-40 66
Sisson
Northern
W Moore




Rosecrans

1567-71- Sidewalks on Garrison
Note by C.B.H 7-29-31

8.19

| | | |
|---|---|---|
| +9.8 Gutter | 6.08 | 2.11 |
| +9.8 Cb Top | 5.48 | 2.71 |
| S | 5.4 | 2.8 |
| 0+29.5 | | |
| S | 5.4 | 2 8 |
| +15.9 = Cb Top | 5.49 | 2.70 |
| Gutter | 6.11 | 2.08 |
| Cb on Paving | 6.05 | 2.14 |
| ℄ " " | 5.69 | 2.50 |
| Cb " " | 5.78 | 2.41 |
| +23 Gutter | 5.86 | 2.33 |
| +23 Cb Top | 5.22 | 2.97 |
| N | 5.4 | 2.8 |
| 0+43 = Cb F.C. | | |
| N | 5.2 | 3 0 |
| Cb Top | 5.20 | 2.99 |
| Gutter on Pav | 5.87 | 2.32 |
| ℄ " " | 5.68 | 2.51 |
| Gutter " " | 6.11 | 2.08 |

8.19

| | | |
|---|---|---|
| Cb Top | 5.47 | 2.72 |
| S | 5.1 | 3 1 |
| 0+50 = Wly Paving = | | |
| S | 5.0 | 3 2 |
| Cb Top | 5.19 | 2.70 |
| Gutter on Pav. | 6.14 | 2.05 |
| ℄ " " | 5.72 | 2.47 |
| Gutter " " | 5.96 | 2.23 |
| Cb Top | 5.28 | 2.91 |
| N | 5.1 | 3 1 |
| 0+56 | | |
| N | 5.0 | 3 2 |
| Cb Top | 5.32 | 2.87 |
| Gutter on Grating | 6.34 | 1.85 |
| +4 = Sly Conc Gutter | 5.91 | 2.28 |
| ℄ | 5.5 | 2 7 |
| +13 = Nly Conc Gutter | 5.98 | 2.21 |
| Gutter on Grating | 6.44 | 1.75 |
| Cb Top | 5.45 | 2.74 |

8:19

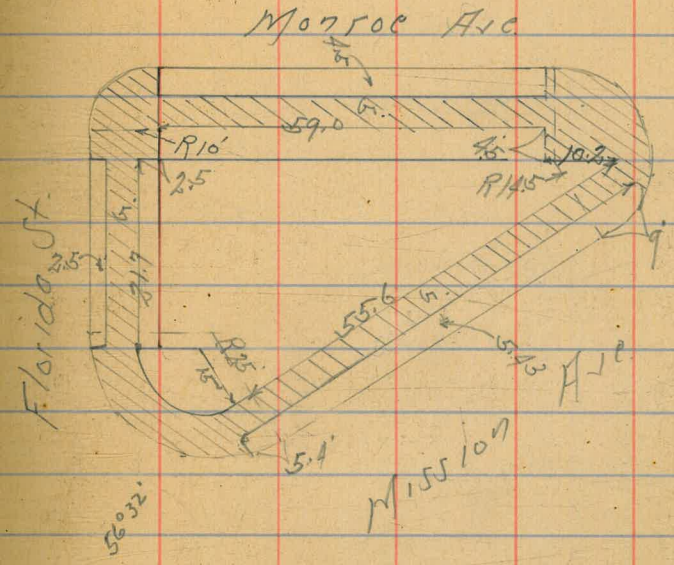
| | | |
|---|---|---|
| S | 5.0 | 3.2 |
| 0+76 | | |
| S | 4.6 | 3.6 |
| Cb Top | 5.35 | 2.84 |
| Gutter | 6.14 | 2.05 |
| +2.5 = N'ly Conc Gutter | 5.93 | 2.26 |
| ℄ | 6.3 | 2.9 |
| +14.5 = N'ly Conc Gutter | 5.87 | 2.32 |
| Gutter | 5.94 | 2.25 |
| Cb Top Drive | 5.86 | 2.33 |
| +5 | 5.1 | 3.1 |
| N | 4.5 | 3.7 |
| 0+96 | | |
| N | 3.9 | 4.3 |
| Cb Top | 4.75 | 3.44 |
| Gutter | 5.55 | 2.64 |
| +2.5 = N'ly Conc Gutter | 5.40 | 2.79 |
| ℄ | 4.5 | 3.7 |
| +14.5 = N'ly Conc Gutter | 5.40 | 2.79 |
| Gutter | 5.58 | 2.61 |

| | | |
|---|---|---|
| Cb | 4.74 | 3.45 |
| S | 4.0 | 4.2 |

Location Sidewalks
Mission Ave - Florida - Monroe

INDEXED
EFB

69
May 18. 46
Sisson
Northern
W Moore



Re Cross Section Alley Block 5 Chester Park
From Sta. 7+0 to S.L. El Cajon

Nov. 15 40 70
Sisson
Northern
W. Moore

See Page 50

| | | | | | |
|---|---|---|---|---|---|
| BM | 7.04 | 354.24 | | 347.20 | SWBP El Cajon & 47th St |
| TP | 7.35 | 360.47 | 1.12 | 353.12 | |
| | 7+0 | | | | |
| E | | | 2.2 | 358.3 | |
| ℄ | | | 2.3 | 358.2 | |
| W | | | 1.8 | 358.7 | |
| | 7+14 | | | | |
| E | = Ely 24" Palm Tree | | | | |
| | 7+18 | | | | |
| W-3.4 = ℄ Garage Conc Floor | | | 1.95 | | |
| W | | | 2.4 | 358.1 | |
| ℄ | | | 3.1 | 357.4 | |
| +8 | | | 2.9 | 357.6 | |
| E | | | 2.6 | 357.9 | |
| | 7+50 | | | | |
| -5 | | | 3.6 | | |
| E | | | 4.2 | 356.3 | |
| +2 | | | 4.8 | 355.7 | |
| ℄ | | | 5.0 | 355.5 | |

Plot on Sisson 12/27-40 CBH

| | | | | | |
|---|---|---|---|---|---|
| | | 360.47 | | | |
| +7 | | | 4.7 | 355.8 | |
| W | | | 3.3 | 357.2 | |
| +2 = Top Cut | | | 2.5 | 358.0 | |
| | 7+82 | | | | |
| W+0.6 = Wly Power Pole | | | | | |
| | 7+90 | | | | |
| -2 = Top Cut | | | 3.7 | 356.8 | |
| W | | | 8.3 | 352.2 | |
| ℄ | | | 8.2 | 352.3 | |
| +8 | | | 7.9 | 352.6 | |
| E | | | 5.6 | 354.9 | |
| +0.6 = Wly Frame House | | | 5.6 | 354.9 | |
| | 7+91 | | | | |
| W = S.E. Cor Tile Store | | | | | |
| | 8+0 | | | | |
| -2 = Top Cut | | | 5.9 | 354.6 | |
| E | | | 7.1 | 353.4 | |
| +2 | | | 8.8 | 351.7 | |
| ℄ | | | 9.0 | 351.5 | |

360.47

| | | |
|---|---|---|
| W = Ely Bldg | 9.2 | 351.3 |
| 8+01.5 | | |
| W = ℄ 3.5 Door Way Conc Floor | 8.97 | |
| 8+05 | | |
| W = Ely Bldg | 9.4 | 351.1 |
| ℄ | 9.3 | 351.2 |
| E | 9.3 | 351.2 |
| +℄ | 10.3 | 350.2 |
| 8+30 | | |
| -5 | 11.2 | 349.3 |
| E | 10.8 | 349.7 |
| ℄ | 10.6 | 349.9 |
| W = Ely Bldg | 10.5 | 350.0 |
| 8+44 | | |
| W = ℄ 3.5 Door Way Conc Floor | 10.13 | 350.34 |
| 8+50 | | |
| W = Ely Bldg | 11.1 | 349.4 |
| ℄ | 11.1 | 349.4 |
| E | 11.4 | 349.1 |



360.47

| | | |
|---|---|---|
| +5 | 11.4 | 349.1 |
| 8+58.5 | | |
| W = ℄ 3.5 Door Conc Floor | 10.16 | 350.31 |
| 8+62 | | |
| W +0.3 = W Ly Power Pole | | |
| 8+80 | | |
| -5 | 11.8 | 348.7 |
| E | 11.7 | 348.8 |
| ℄ | 11.6 | 348.9 |
| W = Ely Bldg | 11.4 | 349.1 |
| 8+93.84 = S.L. El Cajon | | |
| W Top Cb | 11.02 | 349.45 |
| Gutter on Paving | 11.40 | 349.07 |
| ℄ " " | 11.90 | 348.57 |
| E Gutter " " | 11.67 | 348.80 |
| E Top Cb | 11.52 | 348.95 |

313.37
13.1
326.47
2.88
323.59
9.55
333.14
3.14
330.00
+ 13.
343.00
5.
338.00
0.1
338.1
8.07
330.17
6.47
323.70
2
323.50
- 8.48
315.02
1.32
313.70
6.70
307.00
0.45
307.45

67
35
702

885

307.45
5.95
301.50
- .15
301.35
~~11.87~~
29337
301.35
11.87
289.48
2.85
291.33
10.22
282.11
6.84
288.95
3.63
285.32
8.2
293.52
2.75
290.77
3.20
293.97

3+50 ℄
4+00 23.0 R
4+50 26 R
5+00 25 R
5+50 40'
6+00 35'
6+50 43' R
6+60 40' R
7+00 41' R
7+50 42' R
8+00 35' R
8+30 25' R
8+45 ℄ Intersection

12" pipe bet. 3 & 4 El.

| | 5' | 4' | 1' | |
|---|---|---|---|---|
| 16+50 | | | 6.9 | 6.0 |
| Wash | 5.4 | 6.8 | | |

4.1% grade to wash

12" W.L. Douglas

6" or 10". W.L. Lot 12

2.4% Wash 10+61

N side on ℄ to sta 4+00

9.0
4.9
7.1

Hit old road 19+50

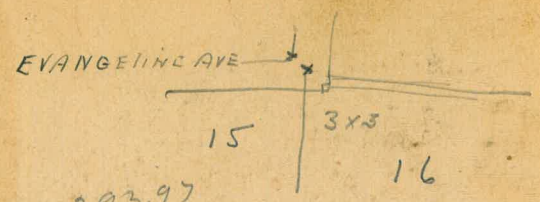
" ℄ — 22+50

Noc Work from 27+25 to 29+00

Chollas road.

3 loads dirt 8" cuts.

2 "



EVANGELINE AVE

15 3x3 16

293.97
5.6
288.37

411 in

8.7
6.3
2.4

28522
11261

1.0147
6
6088.2

10' Sta 5+00

8+99.93
6.09
8+93.84

.1338-53

5.5

8'
2
16'

13.37
11.14
24.51

24.29
11.56
35.85
1.54
34.31

36.62
11.92
24.70
1.57
26.27
11.40
14.87
1.31
16.18
12.94
3.24

8.3
.8
9.1
6.1

45.31
11.29
34.02
2.60
36.62

EUGENE DIETZGEN CO.
MANUFACTURERS & IMPORTERS OF
DRAWING MATERIALS AND
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NEW YORK, CHICAGO,
NEW ORLEANS & SAN FRANCISCO

308.16
11.92
296.54

99.0
12.63
86.37
3.15
89.52
2.63
86.89
3.26
90.15
4.56
85.59
7.31
92.90