

NOTE:- FOR ACCOMPANYING MAP SEE C.S.B-890

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A. E. Timmons 10-31-34

FIELD NOTES
OF THE
SURVEY OF THE CONSTRUCTED LINE
OF THE
PACIFIC ELECTRIC RAILWAY COMPANY'S RAILWAY LINE
FROM
RUBIO CANYON TO ALPINE TAVERN
IN
LOS ANGELES COUNTY
STATE OF CALIFORNIA.

Received
Mar. 30, 1928
4:20 P.M.
U.S. Land Office
Los Angeles, Cal.
Serial 045308

FIELD NOTES OF THE SURVEY OF THE CONSTRUCTED LINE OF THE

PACIFIC ELECTRIC RAILWAY COMPANY'S RAILWAY LINE

FROM RUBIO CANYON, AS OPERATED BY THE PASADENA AND MT. WILSON RAILWAY COMPANY ON FEB. 28th, 1899, AND AS NOW OPERATED BY THE PACIFIC ELECTRIC RAILWAY COMPANY, TO ALPINE TAVERN- ON SURVEYED LANDS.

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The courses given in these field notes are true.

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The following abbreviations have been used in these field notes:

- Sta. Railway survey station.
- B.C. Beginning of a curve.
- E.C. End of a curve, which is also point of tangent.
- P.C.C. Point of compound curve.
- Rad. Radius of curve.

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"INITIAL POINT" Station 0+00, being at the beginning of the

incline from which the corner of Sections 2, 3, 34 and 35, Townships 1 and 2 North, Range 12 West, San Bernardino Base and Meridian, bears

N. 13° 18' 43" W., 798.56 feet distant.

"INITIAL POINT" Sta. 0+00 thence

N. 28° 00' W. 391.64 feet to a point on the East line of Section 3,

Township 1 North, Range 12 West, San Bernardino Base

and Meridian, distant 431.30 feet South along said

East line from the corner of Sections 2, 3, 34 and 35,

Townships 1 and 2 North, Range 12 West, San Bernardino

Base and Meridian, Sta. 3+91.64

N. 28° 00' W. 491.50 feet to a point on the North line of Section 3,

Township 1 North, Range 12 West, San Bernardino Base

and Meridian, which bears N. 89° 20' 15" W. along said

North line, 230.76 feet from the corner of Sections 2, 3, 34 and 35, Townships 1 and 2 North, Range 12 W., San Bernardino Base and Meridian, Sta. 8483.14 = Sta. 8460.69 change in numbering
 N. 28° 00' W. 1460.17 feet to Sta. 23420.86 = 0+00 change in numbering

N. 16° 56' 30" W. 158.44 feet to Sta. 14 58.44
 N. 30° 38' 30" W. 542.87 feet to B.C. Sta. 7+01.31
 Right on curve of 179.2 feet Rad., 99.40 feet to E.C. Sta. 8+00.71
 Intersection angle 31° 47'

Semi-tangent 51.02 feet
 N. 1° 08' 30" E. 51.87 feet to B.C. Sta. 8+ 52.58
 Left on curve of 286.57 feet Rad., 60.02 feet to E.C. Sta. 9+12.60
 Intersection angle 12° 00'

Semi-tangent 30.12 feet
 N. 10° 51' 30" W. 211.48 feet to B.C. Sta. 11+24.08
 Left on curve of 954.96 feet Radius 170.28 feet to E.C. Sta. 12+94.36
 Intersection angle 10° 13'

Semi-tangent 85.37 feet
 N. 21° 04' 30" W. 83.43 feet to B.C. Sta. 13+77.79
 Right on curve of 573.0 feet Rad., 151.34 feet to E.C. Sta. 15+29.13
 Intersection angle 15° 08'

Semi-tangent 76.12 feet
 N. 5° 56' 30" W. 65.10 feet to B.C. Sta. 15+94.23
 Left on curve of 954.96 feet Rad., 83.34 feet to E.C. Sta. 16+77.57
 Intersection angle 5° 00'

Semi-tangent 41.69 feet
 N. 10° 56' 30" W. 48.97 feet to B.C. Sta. 17+26.54
 Right on curve of 301.64 feet Rad., 160.66 feet to E.C. Sta. 18+87.20
 Intersection angle 3° 31'

Semi-tangent 82.27 feet

N. 19° 34' 30" E. 79.38 feet to
 Left on curve of 168.52 feet Rad., 74.02 feet to
 Intersection angle 25° 10'
 Semi-tangent 37.66 feet
 N. 5° 35' 30" W. 46.91 feet to
 Right on curve of 110.42 feet Rad., 86.72 feet to
 Intersection angle 45° 00'
 Semi-tangent 45.73 feet
 N. 39° 24' 30" E. 45.69 feet to
 Left on curve of 106.35 feet Rad., 86.62 feet to
 Intersection angle 46° 40'
 Semi-tangent 45.90 feet
 N. 7° 15' 30" W. 65.22 feet to
 Left on curve of 124.77 feet Rad., 59.81 feet to
 Intersection angle 27° 28'
 Semi-tangent 30.50 feet
 N. 34° 43' 30" W. 204.14 feet to
 Left on curve of 89.82 feet Rad., 69.50 feet to
 Intersection angle 44° 20'
 Semi-tangent 36.58 feet
 N. 79° 03' 30" W. 26.24 feet to
 Right on curve of 89.82 feet Rad., 57.22 feet to
 Intersection angle 36° 30'
 Semi-tangent 29.61 feet
 N. 42° 33' 30" W. 30.40 feet to
 Right on curve of 238.84 feet Rad., 40.02 feet to
 Intersection angle 9° 36'
 Semi-tangent 20.05 feet

B.C. Sta. 19+66.58
 E.C. Sta. 20+40.60

B.C. Sta. 20+87.51
 E.C. Sta. 21+74.23

B.C. Sta. 22+19.92
 E.C. Sta. 23+06.54

B.C. Sta. 23+71.76
 E.C. Sta. 24+31.57

B.C. Sta. 26+35.71
 E.C. Sta. 27+05.21

B.C. Sta. 27+31.45
 E.C. Sta. 27+88.67

B.C. Sta. 28+19.07
 E.C. Sta. 28+59.09

Right on curve of 286.57 feet Rad., 90.03 feet to P.C.C. Sta. 29+49.12

Intersection angle 18° 00'

Semi-tangent 45.39 feet

Right on curve of 179.2 feet Rad., 107.91 feet to E.C. Sta. 30+57.03

Intersection angle 34° 30'

Semi-Tangent 55.64 feet

N. 19° 32' 30" E. 42.31 feet to B.C. Sta. 30+99.34

Left on curve 84.57 feet Rad., 87.83 feet to E.C. Sta. 31+87.17

Intersection angle 59° 30'

Semi-Tangent 48.33 feet

N. 39° 57' 30" W. 58.58 feet to B.C. Sta. 32+45.75

Right on curve of 168.62 feet Rad., 52.99 feet to E.C. Sta. 32+98.74

Intersection angle 18° 00'

Semi-tangent 26.72 feet

N. 21° 57' 30" W. 18.63 feet to B.C. Sta. 33+17.37

Left on curve of 71.98 feet Rad., 151.47 feet to E.C. Sta. 34+68.84

Intersection angle 120° 33'

Semi-tangent 126.10 feet

S. 37° 29' 30" W. 23.05 feet to B.C. Sta. 34+91.89

Right on curve of 75.74 feet Rad., 98.04 feet to E.C. Sta. 35+89.93

Intersection angle 74° 10'

Semi-tangent 57.24 feet

N. 68° 20' 30" W. 90.86 feet to B.C. Sta. 36+80.79

Left on curve of 130.42 feet Rad., 56.91 feet to P.C.C. Sta. 37+37.70

Intersection angle 25° 00'

Semi-tangent 28.91 feet

Left on curve of 75.74 feet Rad., 76.41 feet to E.C. Sta. 38+14.11

Intersection angle 57° 48'

Semi-tangent 41.80 feet

S. 28° 51' 30" W. 21.76 feet to B.C. Sta. 38+35.87

Right on curve of 102.57 feet Rad., 54.94 feet to E.C. Sta. 38+90.81

Intersection angle 30° 41' 30"

Semi-tangent 28.15 feet

S. 59° 33' W. 20.43 feet to B.C. Sta. 39+11.24

Left on curve of 204.76 feet Rad., 113.88 feet to B.C. Sta. 40+25.12

Intersection angle 31° 52'

Semi-tangent 58.45 feet

S. 27° 41' W. 26.32 feet to B.C. Sta. 40+51.44

Right on curve of 79.91 feet Rad., 69.90 feet to B.C. Sta. 41+21.34

Intersection angle 50° 07'

Semi-tangent 37.36 feet

S. 77° 48' W. 35.48 feet to B.C. Sta. 41+56.82

Left on curve of 71.98 feet Rad., 60.72 feet to B.C. Sta. 42+17.54

Intersection angle 48° 20'

Semi-tangent 32.30 feet

S. 29° 28' W. 23.51 feet to B.C. Sta. 42+41.05

Right on curve of 95.77 feet Rad., 83.35 feet to B.C. Sta. 43+24.40

Intersection angle 49° 52'

Semi-tangent 44.52 feet

S. 79° 20' W. 26.82 feet to B.C. Sta. 43+51.22

Left on curve of 110.42 feet Rad., 42.91 feet to B.C. Sta. 43+94.13

Intersection angle 22° 16'

Semi-tangent 21.73 feet

S. 57° 04' W. 34.80 feet to B.C. Sta. 44+28.93

Right on curve of 71.98 feet Rad., 129.69 feet to P.C.C. Sta. 45+58.62

Intersection angle 103° 14'

Semi-tangent 90.88 feet

Right on curve of 95.77 feet Rad., 50.15 feet to P.C.C. Sta. 46+08.77

Intersection angle 30° 00'

Semi-tangent 25.66 feet

Right on curve of 71.98 feet Rad., 82.39 feet to
 Intersection angle 65° 35'
 E.C. Sta. 46+91.16

Semi-tangent 46.38 feet

N. 75° 53' E. 26.19 feet to
 B.C. Sta. 47+17.35

Left on curve of 102.57 feet Rad., 110.99 feet to
 Intersection angle 62° 00'

Semi-tangent 61.63 feet

N. 13° 53' E. 215.65 feet to
 B.C. Sta. 50+43.99

Left on curve of 238.84 feet Rad., 135.34 feet to
 Intersection angle 32° 28'

Semi-tangent 69.53 feet

N. 18° 35' W. 36.34 feet to
 B.C. Sta. 52+15.67

Right on curve of 102.57 feet Rad., 44.75 feet to
 Intersection angle 25° 00'

Semi-tangent 22.75 feet

N. 6° 25' E. 72.58 feet to
 B.C. Sta. 53+33.00

Left on curve of 204.76 feet Rad., 79.93 feet to
 Intersection angle 22° 22'

Semi-tangent 40.47 feet

E.C. Sta. 55+01.04

Left on curve of 71.98 feet Rad., 88.11 feet to
 Intersection angle 70° 08'

Semi-tangent 50.54 feet

N. 86° 05' W. 16.89 feet to
 B.C. Sta. 55+17.93

Right on curve of 71.98 feet Rad., 49.87 feet to
 Intersection angle 39° 42'

Semi-tangent 25.99 feet

N. 46° 23' W. 37.05 feet to
 B.C. Sta. 56+04.85

Left on curve of 89.82 feet Rad., 73.68 feet to
 Intersection angle 47° 00'

Semi-tangent 39.05 feet

E.C. Sta. 56+78.53

S. 86° 37' W. 28.23 feet to
 Right on curve of 573.0 feet Rad., 46.67 feet to
 Intersection angle 4° 40'
 Semi-tangent 23.35 feet
 M. 88° 43' W. 40.39 feet to
 Right on curve of 95.77 feet Rad., 50.59 feet to
 Intersection angle 30° 16'
 Semi-tangent 25.91 feet
 M. 58° 27' W. 75.60 feet to
 Right on curve of 75.74 feet Rad., 90.29 feet to
 Intersection angle 68° 18'
 Semi-tangent 51.37 feet
 M. 9° 51' E. 21.48 feet to
 Left on curve of 89.82 feet Rad., 55.02 feet to
 Intersection angle 35° 06'
 Semi-tangent 28.40 feet
 M. 25° 15' W. 66.38 feet to
 Right on curve of 84.57 feet Rad., 112.20 feet to E.O. Sta. 62+65.38
 Intersection angle 76° 01'
 Semi-tangent 66.11 feet
 M. 50° 46' E. 34.54 feet to
 B.O. Sta. 62+99.92
 Left on curve of 159.32 feet Rad., 79.53 feet to a
 point in the north line of
 Section 34, Township 2 North,
 Range 12 West, San Bernardino
 Base and Meridian, distant West
 351.8 feet from the North quarter
 section corner of said Section 34, Sta. 63+79.45
 Intersection angle 28° 36'
 Semi-tangent 40.61 feet

Left on curve of 159.32 feet Rad. 44.26 feet to
 E.C. Sta. 64+23.71
 Intersection angle 15°55'
 Semi-tangent 22.27 feet
 42.27 feet to
 B.C. Sta. 64+65.98
 Right on curve of 130.42 feet Rad., 75.12 feet to P.O.C. Sta. 65+41.10
 Intersection angle 33°00'
 Semi-tangent 38.63 feet
 Right on curve of 286.57 feet Rad., 94.53 feet to P.O.C. Sta. 66+35.63
 Intersection angle 18°54'
 Semi-tangent 47.70 feet
 Right on curve of 204.76 feet Rad., 86.60 feet to E.C. Sta. 67+22.23
 Intersection angle 24°14'
 Semi-tangent 43.95 feet
 110.77 feet to
 B.C. Sta. 68+33.00
 Left on curve of 204.76 feet Rad., 132.41 feet to E.C. Sta. 69+65.41
 Intersection angle 37°03'
 Semi-tangent 68.61 feet
 207.77 feet to
 B.C. Sta. 71+73.18
 Left on curve of 84.57 feet Rad., 70.21 feet to E.C. Sta. 72+43.39
 Intersection angle 47°34'
 Semi-tangent 37.28 feet
 24.19 feet to
 B.C. Sta. 72+67.58
 Right on curve of 119.58 feet Rad., 55.90 feet to P.O.C. Sta. 73+23.48
 Intersection angle 26°47'
 Semi-tangent 28.47 feet
 Right on curve of 89.82 feet Rad., 43.95 feet to E.C. Sta. 73+67.43
 Intersection angle 28°02'
 Semi-tangent 22.41 feet
 39.53 feet to
 B.C. Sta. 74+06.96
 Left on curve of 89.82 feet Rad., 37.00 feet to E.C. Sta. 74+43.96
 Intersection angle 23°36'
 Semi-tangent 18.76 feet
 39.43 feet to
 B.C. Sta. 74+83.39

N. 28°59' E.

N. 52° 35' E.

N. 2° 14' W.

N. 45° 20' E.

N. 82° 23' E.

N. 6°15' E.

Right on curve of 60.12 feet Rad., 258.79 feet to E.C. Sta. 77+42.18
 Intersection angle 246°38'
 N. 84°23' W. 23.83 feet to B.C. Sta. 77+66.01
 Left on curve of 75.74 feet Rad., 149.51 feet to E.C. Sta. 79+15.52
 Intersection angle 113° 06'
 Semi-tangent 114.64 feet
 S. 17° 29' E. 17.18 feet to B.C. Sta. 79+32.70
 Right on curve of 102.57 feet Rad., 85.60 feet to E.C. Sta. 80+18.30
 Intersection angle 47° 49'
 Semi-tangent 45.47 feet
 S. 30° 20' W. 103.17 feet to B.C. Sta. 81+21.47
 Right on curve of 286.57 feet Rad., 37.51 feet to E.C. Sta. 81+58.98
 Intersection angle 7° 30'
 Semi-tangent 18.78 feet
 S. 37° 50' W. 110.99 feet to B.C. Sta. 82+69.97
 Right on curve of 286.57 feet Rad., 37.10 feet to E.C. Sta. 83+07.07
 Intersection angle 7° 25'
 Semi-tangent 18.58 feet
 S. 45° 15' W. 67.51 feet to B.C. Sta. 83+74.58
 Right on curve of 179.2 feet Rad., 39.72 feet to E.C. Sta. 84+14.38
 Intersection angle 12° 42'
 Semi-tangent 19.94 feet
 S. 57° 57' W. 155.88 feet to B.C. Sta. 85+70.18
 Left on curve of 89.82 feet Rad., 64.82 feet to a point in the North line of Section 34, Township 2 North, Range 12 West, San Bernardino Base and Meridian, distant West 121.41 feet from the North quarter section corner of said Section 34

Sta. 86+35.00

Handwritten note:
 1000 feet
 Curve

Intersection angle 41° 21'
 Semi-tangent 33.90 feet
 Left on curve of 89.82 feet Rad., 26.37 feet to
 P.O.C. Sta. 86+61.37

Intersection angle 16° 49'
 Semi-tangent 13.28 feet
 Left on curve of 358.17 feet Rad., 95.75 feet to
 H.C. Sta. 87+57.12

Intersection angle 15° 19'
 Semi-tangent 48.17 feet
 B.O. Sta. 88+18.43
 H.C. Sta. 89+80.18

Left on curve of 119.58 feet Rad., 161.75 feet to
 Intersection angle 77° 30'
 Semi-tangent 95.99 feet
 N. 86° 58' E. 31.71 feet to
 B.O. Sta. 90+11.89
 H.C. Sta. 90+89.03

Intersection angle 30° 49'
 Semi-tangent 39.52 feet
 S. 62° 13' E. 104.87 feet to
 B.O. Sta. 91+93.90
 H.C. Sta. 92+70.24

Intersection angle 48° 42'
 Semi-tangent 40.64 feet
 S. 13° 31' E. 36.27 feet to
 B.O. Sta. 93+06.51
 H.C. Sta. 95+65.28

Left on curve of 60.12 feet Rad., 258.74 feet to
 Intersection angle 246° 37'
 N. 80° 08' W. 29.94 feet to
 B.O. Sta. 95+95.22
 H.C. Sta. 96+40.61

Intersection angle 21° 45'
 Semi-tangent 22.98 feet
 N. 58° 23' W. 163.26 feet to
 B.O. Sta. 98+03.87
 H.C. Sta. 98+65.19

Intersection angle 29° 23'
 Semi-tangent 31.36 feet

Handwritten note:
 150' 10" 100'

N. 45° 04' E. 63.28 feet to
 Semi-tangent 24.19 feet
 Intersection angle 4° 50'
 B.O. Sta. 106+73.55

Left on curve of 573.00 feet Rad., 48.34 feet to
 Intersection angle 11° 02'
 Semi-tangent 23.07 feet
 128.62 feet to
 B.O. Sta. 105+61.93

Left on curve of 238.84 feet Rad., 59.99 feet to
 Intersection angle 11° 02'
 Semi-tangent 23.07 feet
 128.62 feet to
 B.O. Sta. 104+33.31

N. 60° 56' E. 89.22 feet to
 Semi-tangent 40.91 feet
 Intersection angle 6° 32' 20"
 Right on curve of 716.23 feet Rad., 61.74 feet to
 Semi-tangent 32.28 feet
 Intersection angle 5° 09' 40"
 E.O. Sta. 102+98.10

Sta. 102+16.36
 said Section 34,
 north quarter section corner of
 distant East 53.11 feet from the
 San Bernardino Base and Meridian,
 Township 2 North, Range 12 West,
 in the North line of Section 34,
 Right on curve of 716.23 feet Rad., 64.52 feet to a point
 Semi-tangent 40.52 feet
 Intersection angle 37° 26'

Right on curve of 119.58 feet Rad., 78.13 feet to
 Semi-tangent 29.03 feet
 Intersection angle 11° 34'
 P.O.C. Sta. 101+51.84

Right on curve of 286.57 feet Rad., 57.85 feet to
 Semi-tangent 66.25 feet
 Intersection angle 88° 00'
 P.O.C. Sta. 100+73.71

Right on curve of 68.59 feet Rad., 105.35 feet to
 Intersection angle 88° 00'
 Semi-tangent 66.25 feet
 P.O.C. Sta. 100+15.86

N. 87° 46' W. 45.32 feet to
 B.O. Sta. 99+10.51

N. 15° 04' E. 49.05 feet to
 Semi-tangent 48.02 feet
 Intersection angle 30° 00'
 Left on curve of 179.2 feet Rad., 93.83 feet to
 B.O. Sta. 107+67.38
 E.C. Sta. 108+16.43
 E.C. Sta. 109+07.62
 Intersection angle 72° 35'
 Semi-tangent 52.87 feet
 N. 87° 39' E. 39.67 feet to
 Left on curve of 75.74 feet Rad., 55.89 feet to
 B.O. Sta. 109+47.29
 E.C. Sta. 110+03.18
 Intersection angle 42° 17'
 Semi-tangent 29.27 feet
 N. 45° 22' E. 22.85 feet to
 Right on curve of 71.98 feet Rad., 84.76 feet to
 B.O. Sta. 110+26.08
 E.C. Sta. 111+10.79
 Intersection angle 67° 28'
 Semi-tangent 48.08 feet
 S. 67° 10' E. 45.54 feet to
 Left on curve of 358.17 feet Rad., 121.48 feet to
 B.O. Sta. 111+56.33
 P.O.C. Sta. 112+77.81
 Intersection angle 19° 26'
 Semi-tangent 61.34 feet
 Left on curve of 143.42 feet Rad., 51.61 feet to
 P.O.C. Sta. 113+29.42
 Intersection angle 20° 37'
 Semi-tangent 26.08 feet
 Left on curve of 62.03 feet Rad., 145.02 feet to
 E.C. Sta. 114+74.44
 B.O. Sta. 114+98.42
 Intersection angle 133° 57'
 Semi-tangent 145.96 feet
 N. 61° 10' W. 28.98 feet to
 Right on curve of 75.74 feet Rad., 102.29 feet to
 B.O. Sta. 116+00.71
 E.C. Sta. 116+31.09
 Semi-tangent 60.66 feet
 Intersection angle 70° 23'
 N. 16° 13' E. 30.38 feet to
 B.O. Sta. 116+31.09

Left on curve of 143.42 feet Rad., 61.62 feet to
 Intersection angle 24° 37'
 Semi-tangent 31.29
 W.C. Sta. 118+10.14
 Intersection angle 88° 50'
 Semi-tangent 74.21 feet
 S. 82° 46' W. 28.13 feet to
 Right on curve of 75.74 feet Rad., 65.19 feet to
 Intersection angle 49° 19'
 Semi-tangent 34.75 feet
 M. 47° 55' W. 133.66 feet to
 B.C. Sta. 120+37.12
 P.O.C. Sta. 121+22.56
 Intersection angle 54° 30'
 Semi-tangent 46.25 feet
 Right on curve of 573.00 feet Rad., 147.18 feet to
 W.C. Sta. 122+ 69.74
 Intersection angle 14° 43'
 Semi-tangent 74.01 feet
 M. 21° 18' E. 91.81 feet to
 Left on curve of 573.00 feet Rad., 31.00 feet to
 Intersection angle 3° 06'
 Semi-tangent 15.51 feet
 N. 18° 12' E. 112.20 feet to
 B.C. Sta. 125+04.75
 P.O.C. Sta. 125+63.44
 Intersection angle 11° 44'
 Semi-tangent 29.45 feet
 Left on curve of 71.98 feet Rad., 106.70 feet to
 W.C. Sta. 126+70.14
 Intersection angle 84° 56'
 Semi-tangent 65.90 feet
 M. 78° 28' W. 36.46 feet to
 B.C. Sta. 127+06.60
 Right on curve of 102.57 feet Rad., 31.75 feet to
 P.O.C. Sta. 127+38.35
 Intersection angle 17° 44'
 Semi-tangent 16.00 feet

Right on curve of 286.57 feet Rad., 184.06 feet to
P.O.O. Sta. 129+22.41
Intersection angle 36° 48'
Semi-tangent 95.34 feet
Right on curve of 358.17 feet Rad. 139.72 feet to
P.O.O. Sta. 130+62.13
Intersection angle 22° 21'
Semi-tangent 70.76 feet
Right on curve of 716.23 feet Rad., 134.59 feet to
P.O.O. Sta. 131+96.72
Intersection angle 10° 46'
Semi-tangent 67.49 feet
Right on curve of 79.91 feet Rad., 90.89 feet to
I.C. Sta. 132+87.61
Intersection angle 65° 10'
Semi-tangent 51.07 feet
M. 74° 21' E. 155.66 feet to
B.O. Sta. 134+43.27
Right on curve of 119.58 feet Rad., 61.57 feet to
I.C. Sta. 135+04.84
Intersection angle 29° 30'
Semi-tangent 31.49 feet
S. 76° 09' E. 37.14 feet to
B.O. Sta. 135+41.98
Left on curve of 179.2 feet Rad., 43.16 feet to
I.C. Sta. 135+85.14
Intersection angle 13° 48'
Semi-tangent 21.69 feet
S. 89° 57' E. 40.31 feet to
B.O. Sta. 136+25.45
Right on curve of 238.84 feet Rad., 100.81 feet to
I.C. Sta. 137+26.26
Intersection angle 24° 10'
Semi-tangent 51.12 feet
S. 65° 47' E. 25.33 feet to
B.O. Sta. 137+51.59
Left on curve of 89.82 feet Rad., 48.91 feet to
I.C. Sta. 138+00.50
Intersection angle 31° 12'
Semi-tangent 25.07 feet
M. 83° 01' E. 21.00 feet to
B.O. Sta. 138+21.50
Right on curve of 143.42 feet Rad., 37.13 feet to
P.O.O. Sta. 138+58.63
Intersection angle 14° 50'
Semi-tangent 18.67 feet

S. 110 43' E. 29.29 feet to
 Semi-tangent 20.87 feet
 Intersection angle 23° 00'
 Right on curve of 102.57 feet Rad., 41.17 feet to
 E.C. Sta. 145+11.80
 B.C. Sta. 145+41.09

S. 34° 43' E. 47.99 feet to
 Semi-tangent 34.60 feet
 Intersection angle 13° 46'
 Right on curve of 286.57 feet Rad., 68.86 feet to
 E.C. Sta. 144+23.04
 B.C. Sta. 143+54.18

S. 48° 29' E. 25.09 feet to
 Semi-tangent 12.62 feet
 Intersection angle 6° 03'
 Left on curve of 238.84 feet Rad., 25.22 feet to
 E.C. Sta. 143+29.09
 B.C. Sta. 143+03.87

S. 42° 26' E. 59.78 feet to
 Semi-tangent 23.61 feet
 Intersection angle 18° 42'
 Right on curve of 143.42 feet Rad., 46.81 feet to
 E.C. Sta. 142+44.09
 B.C. Sta. 141+97.28

S. 61° 08' E. 28.38 feet to
 Semi-tangent 19.59 feet
 Intersection angle 21° 37'
 Left on curve of 102.57 feet Rad., 38.70 feet to
 E.C. Sta. 141+68.90
 B.C. Sta. 141+30.20

S. 39° 31' E. 31.05 feet to
 Semi-tangent 27.97 feet
 Intersection angle 30° 30'
 Right on curve of 102.57 feet Rad., 54.59 feet to
 E.C. Sta. 140+99.15
 B.C. Sta. 140+44.56

S. 70° 01' E. 44.09 feet to
 Semi-tangent 9.18 feet
 Intersection angle 5° 52'
 Left on curve of 179.2 feet Rad., 18.35 feet to
 E.C. Sta. 140+00.47
 B.C. Sta. 139+82.12

S. 64° 09' E. 33.46 feet to
 Semi-tangent 45.39 feet
 Intersection angle 18° 00'
 Right on curve of 286.57 feet Rad., 90.03 feet to
 E.C. Sta. 139+48.66

Left on curve of 79.91 feet Rad., 44.58 feet to
 Intersection angle 31° 58'
 Semi-tangent 22.89 feet
 Left on curve of 110.42 feet Rad., 85.97 feet to
 Intersection angle 44° 37'
 Semi-tangent 45.29 feet
 Left on curve of 477.52 feet Rad., 71.95 feet to
 Intersection angle 8° 38'
 Semi-tangent 36.05 feet
 N. 83° 04' E. 23.98 feet to
 B.C. Sta. 147+67.57
 Left on curve of 358.17 feet Rad., 77.62 feet to
 Intersection angle 12° 25'
 Semi-tangent 38.97 feet
 N. 70° 39' E. 138.45 feet to
 B.C. Sta. 149+83.64
 Right on curve of 119.58 feet Rad., 58.29 feet to
 Intersection angle 25° 32'
 Semi-tangent 27.10 feet
 Right on curve of 286.57 feet Rad., 85.19 feet to
 Intersection angle 17° 02'
 Semi-tangent 42.91 feet
 S. 66° 47' E. 39.20 feet to
 B.C. Sta. 151+61.32
 Left on curve of 110.42 feet Rad., 53.96 feet to
 Intersection angle 28° 00'
 Semi-tangent 27.53 feet
 N. 85° 13' E. 81.67 feet to
 B.C. Sta. 152+96.95
 Right on curve of 238.84 feet Rad., 18.13 feet to
 Intersection angle 4° 21'
 Semi-tangent 9.07 feet
 N. 89° 34' E. 55.54 feet to
 B.C. Sta. 153+70.62
 Right on curve of 75.74 feet Rad., 46.93 feet to
 Intersection angle 35° 30'
 Semi-tangent 24.23 feet

S. 54° 56' E. 36.20 feet to
 B.O. Sta. 154+53.75
 Left on curve of 143.42 feet Rad., 20.03 feet to
 H.C. Sta. 154+73.78
 Intersection angle 8° 00'
 Semi-tangent 10.03 feet
 S. 62° 56' E. 75.06 feet to
 B.O. Sta. 155+48.84
 H.C. Sta. 155+92.75
 Left on curve of 84.57 feet Rad., 43.91 feet to
 Intersection angle 29° 45'
 Semi-tangent 22.47 feet
 N. 87° 19' E. 53.18 feet to
 B.O. Sta. 156+45.93
 Left on curve of 110.42 feet Rad., 20.51 feet to a
 point in the east line of
 Section 27, Township 2 North,
 Range 12 West, San Bernardino
 Base and Meridian, distant North
 1466.03 feet from the corner of
 Sections 26, 27, 34 and 35,
 Township 2 North, Range 12 West,
 San Bernardino Base and Meridian
 Sta. 156+66.44
 Intersection angle 10° 38' 30"
 Semi-tangent 10.28 feet
 Left on curve of 110.42 feet Rad., 19.00 feet to
 H.C. Sta. 156+85.44
 Intersection angle 9° 51' 30"
 Semi-tangent 9.52 feet
 N. 66° 49' E. 22.76 feet to
 B.O. Sta. 157+08.20
 H.C. Sta. 157+92.92
 Right on curve of 84.57 feet Rad., 84.72 feet to
 Intersection angle 57° 24'
 Semi-tangent 46.30 feet
 S. 55° 47' E. 23.00 feet to
 B.O. Sta. 158+15.92
 P.O.C. Sta. 159+01.93
 Left on curve of 179.2 feet Rad., 86.01 feet to
 Intersection angle 27° 30'
 Semi-tangent 43.85 feet

Left on curve of 89.82 feet Rad., 42.09 feet to
 E.C.Sta. 159+44.02
 Intersection angle 26° 51'
 Semi-tangent 21.44 feet

N. 69° 52' E. 22.58 feet to
 B.C.Sta. 159+66.60
 E.C.Sta. 160+27.54
 Right on curve of 71.98 feet Rad., 60.94 feet to
 Intersection angle 48° 30'
 Semi-tangent 32.43 feet

S. 61° 38' E. 44.97 feet to
 B.C.Sta. 160+72.51
 E.C.Sta. 161+04.73
 Left on curve of 102.57 feet Rad., 32.22 feet to
 Intersection angle 18° 00'
 Semi-tangent 16.25 feet

S. 79° 38' E. 41.52 feet to
 B.C.Sta. 161+46.25
 E.C.Sta. 162+11.17
 Right on curve of 204.76 feet Rad., 64.92 feet to
 Intersection angle 18° 10'
 Semi-tangent 32.74 feet

S. 61° 28' E. 79.87 feet to
 B.C.Sta. 162+91.04
 E.C.Sta. 163+00.42
 Left on curve of 179.2 feet Rad., 9.38 feet to
 Intersection angle 3° 00'
 Semi-tangent 4.69 feet

S. 64° 28' E. 63.60 feet to
 B.C.Sta. 163+64.02
 E.C.Sta. 164+19.67
 Right on curve of 89.82 feet Rad., 55.65 feet to
 Intersection angle 35° 30'
 Semi-tangent 28.75 feet

S. 28° 58' E. 37.04 feet to
 B.C.Sta. 164+56.71
 E.C.Sta. 165+04.71
 Left on curve of 119.58 feet Rad., 48.00 feet to
 Intersection angle 23° 00'
 Semi-tangent 24.33 feet

S. 51° 58' E. 84.07 feet to
 B.C.Sta. 165+88.78
 E.C.Sta. 166+37.72
 Left on curve of 130.42 feet Rad., 48.94 feet to
 Intersection angle 21° 30'
 Semi-tangent 24.76 feet