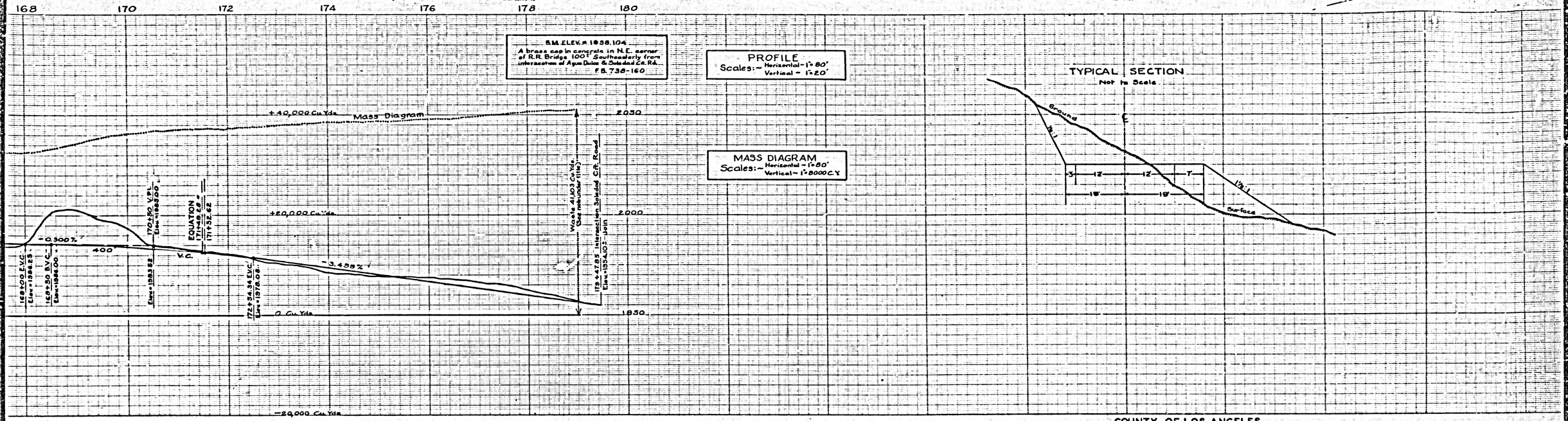
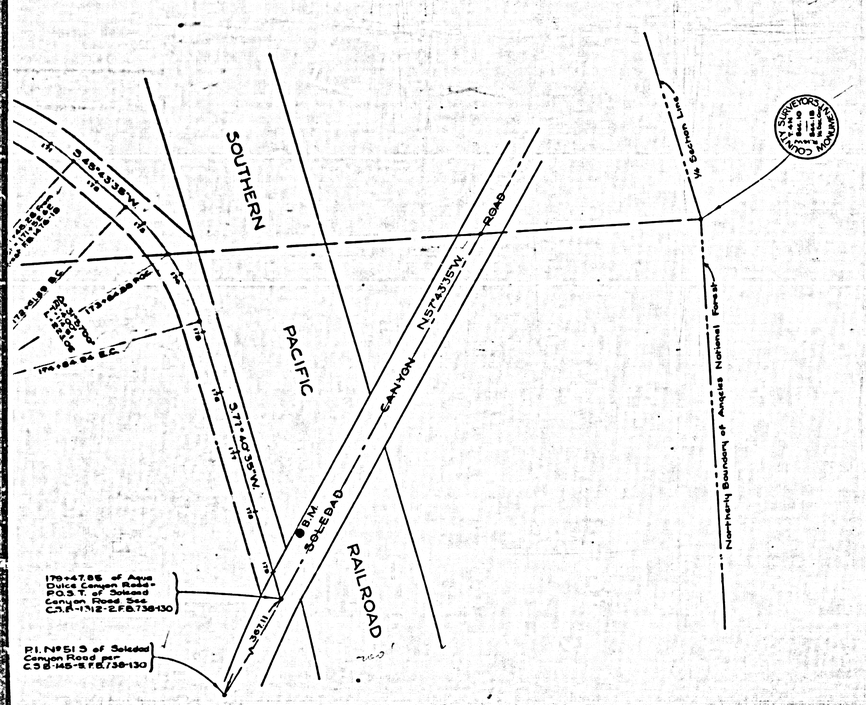




COUNTY OF LOS ANGELES
PLAN & PROFILE OF

AGUA DULCE CANYON ROAD

FROM
ESCONDIDO CANYON
TO
SOLEDAD CANYON ROAD

COUNTY SURVEYORS MAP Nº B-2118
SCALES AS SHOWN

JOB NUMBER 8167

C.E. ARNOLD - COUNTY SURVEYOR
SURVEYED MAY 1947-AUG. 1948

SURVEYED ON REQUEST OF THE ROAD COMMISSIONER UNDER SEC. 79, ORD. 4099 BY LETTER DATED JAN. 15, 1948

F.B. 738-47-327, F.B. 1476-9-31

FIELD WORK BY.....F. C. HOWARD
OFFICE WORK BY.....L. K. FREEMAN
L. DE TILLA
P.L. SCHUYLER
CHECKED BY.....W. A. EDMONDSON

FOR ALIGNMENT SEE C.S. B-1983, C.S. B-2133
FOR CROSS SECTIONS SEE C.S. B-2119

DATUM MEAN SEA LEVEL
ELEVATIONS SHOWN HEREON ARE BASED ON THE 1928 U.S.C. & G.S. ADJUSTMENT OF U.S.G.S. B.M. "R 12-1928" (U.S. 2120) AND U.S.G.S. B.M. "1986-1914-44" (U.S. 441)

THIS IS A SIDE-HILL LOCATION AND NO ATTEMPT WAS MADE TO BALANCE EARTHWORK QUANTITIES. 41,100 CU. YDS. ARE TO BE WASTED AT POINTS TO BE SELECTED AT TIME OF CONSTRUCTION.

Revised ... by ... H. H. F. D. ... August 10, 1951

CSB-2118
A1 OF A5

B.M. Elev. = 2011.761
Bolt and ½" in concrete in top of granite boulder 45.1' Right of Sta. 152+50
E.B. 738-139

+40,000 Cu Yds
2050
Mass Diagram
+20,000 Cu Yds
2000
0 Cu Yds
1950
-20,004 Cu Yds

-5.860 %
144+00 B.V.C. Elev.= 2002.34
145+50 V.P.I. Elev.=1994.00
145+48 Place 60' of 36" C.M.P. Culvert.
147+00 E.V.C. Elev.=1991.84
147+30 B.V.C. Elev.=1988.60
149+80 V.P.I. Elev.=2005.00
150+45 Place 60' C.M.P. See Plan below
152+30 E.V.C. Elev.=1993.43
EQUATION 154+11.27 = 154+40.87
-3.029 %
157+50 B.V.C. Elev.=1978.54
158+30 Place 47' of 42" C.M.P. Culvert
160+00 V.P.I. Elev.=1972.00
161+50 E.V.C. Elev.=1977.77
+1.846 %
162+92 Grade E.C.
165+00 B.V.C. Elev.=1986.23
165+50 V.P.I. Elev.=1987.00
168+00 E.V.C. Elev.=1986.28
168+50 B.V.C. Elev.=1986.00
-0.300 %
170+50 V.P.I. Elev.=1985.00
EQUATION 171+48.28 = 172+00.00
Elev.=1985.32

300' V.C.
+2.532
400' V.C.

FOR FINAL PROFILE AS CONSTRUCTED SEE COUNTY ROAD DEPT.

ROAD NOT CONSTRUCTED ON THIS ALIGNMENT SEE CSB-2133

S 22°25'00" E.
S 32°55'50" W.
140
Δ=47°18'50"
D=40.00°
T=178.93
L=330.31
B.C. 136+78.69
140+10.20 E.C.
S 6°10'58" E.
E.C. 145+89.09
Δ=25°58'00"
D=40.00°
T=92.19
L=181.28
R=137.99
B.C. 145+89.09
E.C. 147+70.37
143+16 Place 50' of 36" C.M.P. Culvert.
S 32°05'52" E.
B.C. 149+70.58
½ Section Line
B.M.
Δ=44°30'00"
D=40.00°
T=92.19
L=186.28
R=147.99
S 12°22'50" W.
158+88.05 E.C.
B.C. 158+38.09
Δ=29°21'00"
D=40.00°
T=105.00
L=205.00
R=139.95
S 16°55'10" E.
B.C. 160+43.72
Δ=29°21'00"
D=40.00°
T=105.00
L=205.00
R=139.95
E.C. 162+48.72
S 4°06'55" W.
Δ=27°08'05"
D=50.00°
T=120.00
L=236.79
R=114.59
B.C. 165+68.79
E.C. 168+05.58
S 45°43'38" W.
Δ=77°40'35"
D=50.00°
T=178.89
L=338.58
R=64.29
B.C. 171+26.69
E.C. 174+65.27
SOUTHERN PACIFIC
½ Section Line
B.M.
SURVEYOR
Δ=11°38'
D=4°00'
T=178.89
L=338.58
R=1432.69

SCALE: 1 inch = 100 feet.

170+47.88 of Axis Dixie Canyon Road P.O.S.T. of Subdivision Canyon Road Sub. CSB-1312-EFB738-130

P.I. No. 15 of Subdivision Canyon Road per CSB-1148-EFB738-130

CSB-2118
A2 OF A5

72 71

114 116 118 120 122 124 126 128 130 132 134 136 138 140 142 144

PROFILE
Scales:~ Horizontal-1"=80 ft.
Vertical-1"= 20 ft.

-1.15±%

+40,000 Cu Yds.

2050

-1.134 %

300' V.C.

Elev=2036.60

EQUATION
127+93.24 V.P.I.
=
128+27.27 V.P.I.
Elev=2034.00

185+43.24 B.V.C.
Elev=2033.73

189+96.27 E.V.C.
Elev=2040.88

+4.454%

600' V.C.

133+40 V.P.I.
Elev=2060.00

130+92 B.V.C.
Elev=2044.64

185+50 Place 80' of 48" C.M.P. Culvert

136+90 E.V.C.
Elev=2042.93

135+16.38 E.C.

-3.880 %

144+00 B.V.C.
Elev=2002.54

+20,000 Cu Yds.

2000

Mass Diagram

0 Cu Yds.

MASS DIAGRAM
Scales:~ Horisontal - 1"=80 ft
Vertical - 1"=8000 Cy.

13,378 Cubic Yds. to be hauled from excavation ahead

agram

+20,000 Cu Yds.

Section Line

112+24.12 E.C.

S 14°14'15" E

Δ= 28°55'40"
T= 141.60
L= 278.18

117+15.71 B.C.

120+93.89 E.C.

S 1°45'00" E

IDENTICAL

117+68.47 P.O.T.

Δ= 12°29'15"
T= 109.91
L= 217.95

116+95.96 E.C.

114+81.71 P.C.

1/4 Section Line

N 0°27'15" W

2+30
ace 40' of 24" C.M.P.

SURVEYORS JAMES
T 4 S
R 2 E
SECTIONS
MONUMENT

SCALE: 1 inch = 100 Feet

Section Line

117+68.47 P.O.T.

Δ= 20°33'40"
D= 8°00'00"
R= 716.76
L= 257.18

120+93.89 E.C.

S 25°15'40" E

B.C. 131+82.58

Δ= 60°15'48"
T= 880.00
L= 1509.20

EQUATION 131+82.58 Back
Equals 132+08.07 Ahead

S 31°30'05" W

128+50 Place 80' of 48" C.M.P. Culvert

B.C. 139+61.98 E.C.

Δ= 84°30'00"
T= 1400.00
R= 1908.38
L= 2815.33

S 52°30'05" E

Δ= 47°18'50"
D= 14°00'00"
T= 1179.23
L= 3307.31

B.C. 136+78.89

140+10.20 E.C.

1/4 Section Line

SURVEYORS JAMES
T 4 S
R 2 E
SECTIONS
MONUMENT

SCALE: 1 inch = 100 feet

CSB-2118
A3 OF A5

RVEY DIVISION MAP FILE NUMBER 87-104

PROFILE
SCALES: Horizontal - 1 in. = 80 Ft.
Vertical - 1 in. = 20 Ft.

MASS
SCALES: Horizontal - 1 in. = 80 Ft.
Vertical - 1 in. = 8000 Cu Yds.

B.M. ELEV. = 2053.389
Brass Cap in Concrete in
S.E. Abutment of Bridge
N° 533
F.B. 738-156

Bridge Site

Existing CMP

Mass Diagram

IDENTICAL

SCALE: 1 inch = 100 Feet

CSB-2118
A4 OF A5

B.M. ELEV. = 2135.460
Brass Cap in Concrete on N.W. Cor.
of Bridge No 827
Over Escondido Canyon Wash
F.B. 738-155

PROFILE
SCALES: Horizontal - 1 in. =
Vertical - 1 in. = 2

MASS
SCALES: Horizontal - 1 in. =
Vertical - 1 in. =

FOR LATER PROFILE SEE SURVEY DIVISIO

Mass Diagram

+20,000 Cu Yds

+20,000 Cu Yds

Bridge

70+00 V.P.I. Elev. 2135.13

73+50 E.V.C. Elev. 2123.81

75+50 E.V.C. Elev. 2119.25

74+50 V.P.I. Elev. 2120.19

Elev. 2120.79

68+51 (Join) Elev. 2134.91

69+00 E.V.C. Elev. 2134.56

Elev. 2134.26

7+00 E.V.C. Elev. 2131.81

+0.15%

3.32%

-0.94%

-4.09%

200' V.C.

200' V.C.

300' V.C.

79+00 Place 48" of 24" CMP

73+30 E.V.C. Elev. 2115.43

80+80 V.P.I. Elev. 2114.27

Elev. 2113.09

82+30 E.V.C. Elev. 2108.13

2150

2100

2100

2050

2000

Section Line

S 89° 25' 15" E

551+54.66 B.C.

S 23° 08' 50" E

R = 500.00'
T = 162.84'
L = 314.84'
Δ = 36°04' 00"

55+79.53 P.O.T.
Set ¾" I.P. 10" Dn.
F.B. 738-108

P.I. No 18 Per C.S.B. 1312-2
¾" I.P. 10" Below Surface
F.B. 738-18, 108

S 1° 01' 35" E

S 16° 47' 30" E

Δ = 15° 45' 55"
R = 1000.00'
T = 138.45'
L = 275.16'

554+55.21 B.C.

553+30.33 E.C.

S 37° 06' 15" E

60

554+75.05 B.C.

P.I. No 14 Per C.S.B. 1312-2
¾" I.P. Flush with Surface
F.B. 738-19, 108

Δ = 30° 41' 45"
R = 700.00'
T = 192.15'
L = 375.02'

555+05.38 E.C.

P.I. No 15 Per C.S.B. 1312-2
¾" I.P. Plug and Tack
18" Below Surface
F.B. 738-20, 108, 109

S 6° 24' 30" E

68+15.36 P.O.T.
Nail & Tin Per F.B. 730-109

B.M.

Concrete Deck Bridge

P.I. No 16A
Lead & Tack
F.B. 738-110

CANYON

ESCONDIDO

Δ = 15° 01' 40"
R = 500.00'
T = 67.08'
L = 118.89'

68+23.81 E.C.

68+72.22 B.C.

S 15° 26' 10" E

77+12.34 B.C.

79+00 Place 48" of 24" CMP

62+55.19 E.C.

S 66° 08' 30" W - 105.60'

63+40.79 B.C.

P.O.B.T. - ¾" I.P. 8" Below Surface
F.B. 738-112

P.O.S.T. Set Spike Washer &
6" Below Surface - F.B. 73

SCALE: 1 inch = 100 Feet

CSB-2118
A5 OF A5