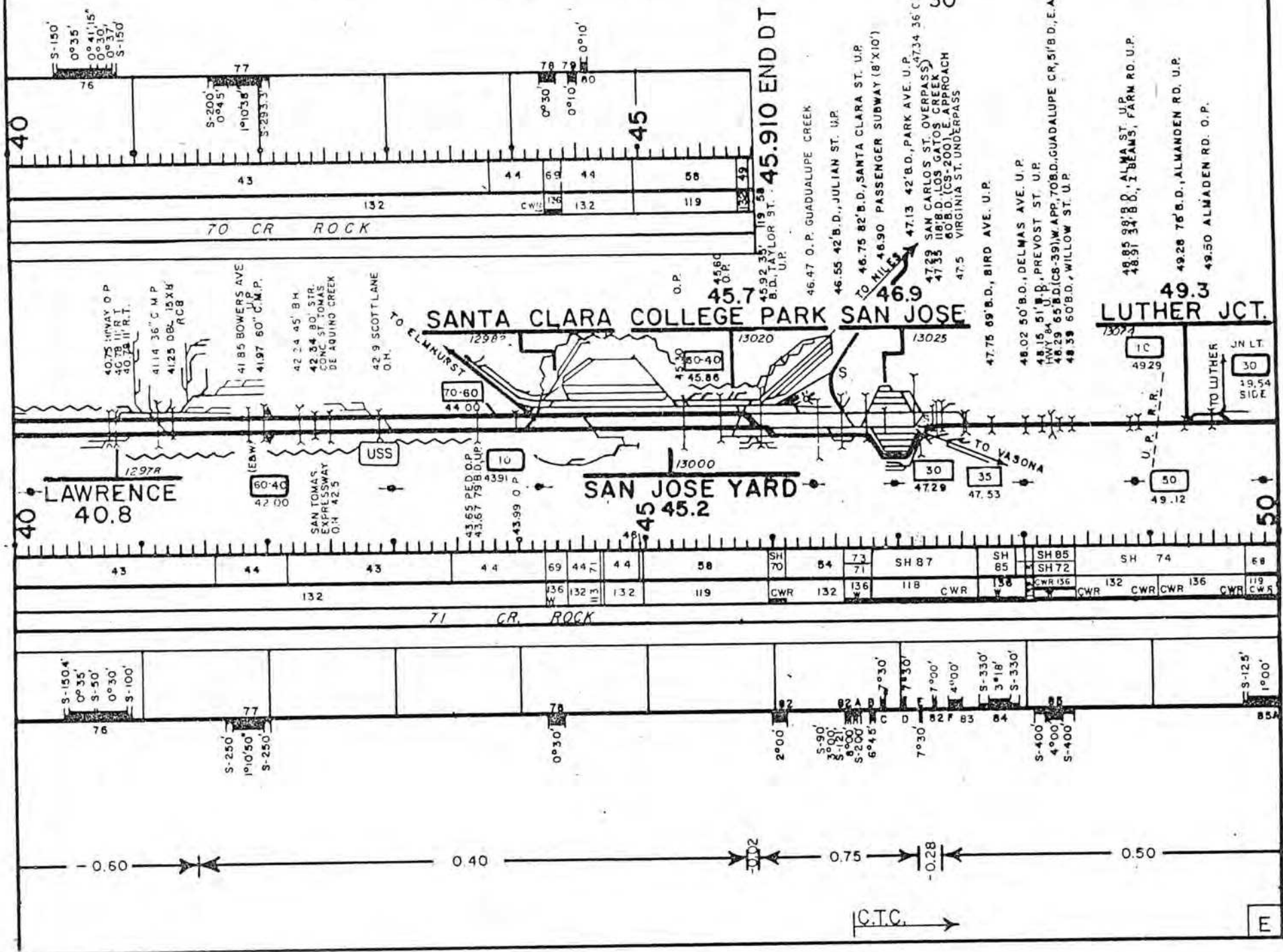


REVISED TO JAN 1, 1992

304

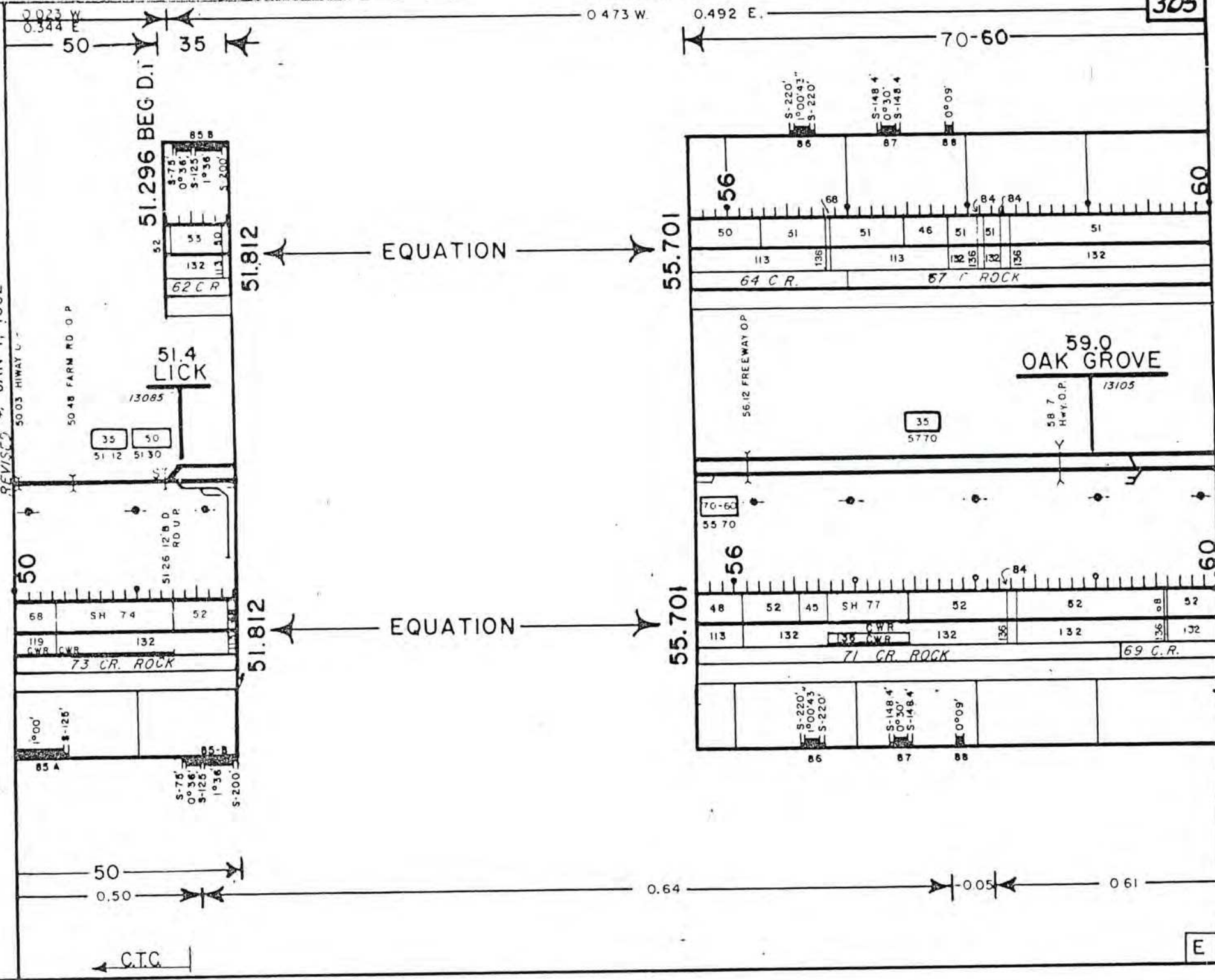
0.375 W. 0.477 E. 0.186 W. 0.266 E. 0.023 W. 0.344 E.

70-60 60-40 10 35 50

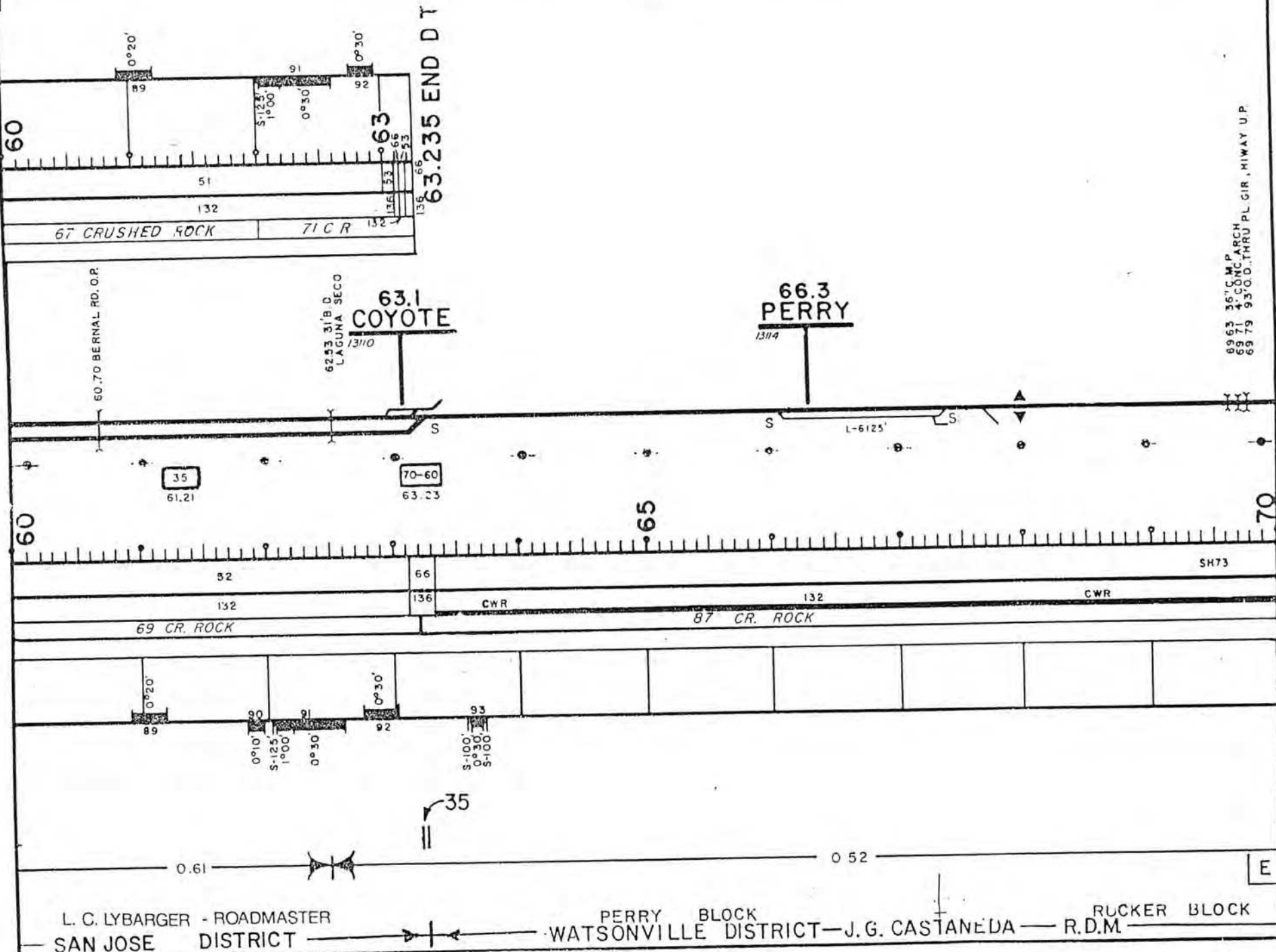


E

REVISED JAN 1, 1992



C.T.C.



REVISED JAN 1, 1992

89.63 36" C.M.P.
68.71 4" CONC. ARCH
68.79 93" O.D. THRU PL GIR, HIWAY U.P.

L. C. LYBARGER - ROADMASTER
 SAN JOSE DISTRICT

PERRY BLOCK
 WATSONVILLE DISTRICT

RUCKER BLOCK
 J.G. CASTANEDA - R.D.M.

0.473 W.

0.492 E.

70-60

60-55

70-60

50

35

REVISED TO: JAN 1, 1992

70.8 MORGANHILL
13118

73.00 15' B.D. (CS-39)

73.84 135' B.D. (CS-39), LLAGAS CREEK

74.6 SAN MARTIN
13122

77.0 RUCKER
13126

77.76 36" CONC. PIPE

79.1 LONOKE
13130

79.46 36" CAST IRON PIPE

79.75 75' B.D. (CS-39)

70-60
73.78

60-55
75.96

70-60
78.60

50
79.50

L-1600'

60-55
71.78

70-60
73.96

50
76.60

35
77.50

70

75

80

SH73
132 CWR

SH73
132 CWR

SH73
132 CWR

136 CWR

71
119 CWR

SH73
132 CWR

136 CWR

SH73
132 CWR

136 CWR

SH73
132 CWR

87 C. ROCK

87 C. ROCK

94
S-400'
2'-20'
S-400'

95
S-100'
0'-30'
S-100'

96
S-100'
0'-30'
S-100'

97
S-225'
1'-48'
S-225'

S-220'

0.52

-0.59

-0.29

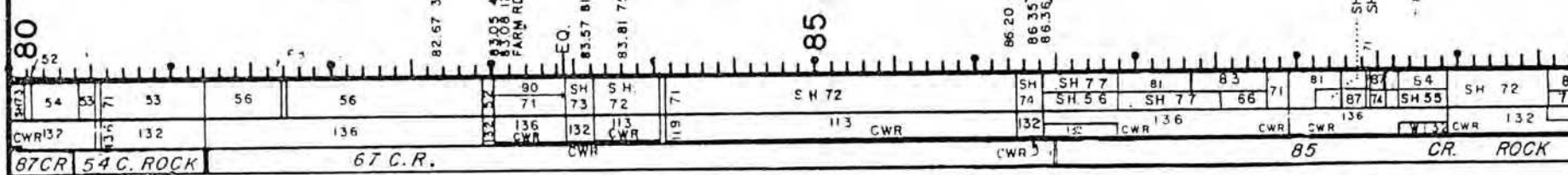
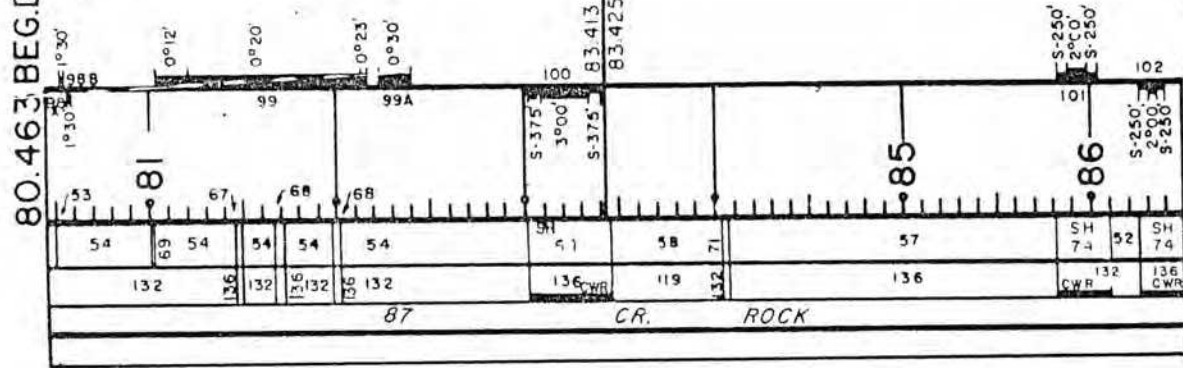
35

0.473 W. 0.492 E. 60 0.579 W. 0.221 E. 50 35

80.463 BEG. D.T.

86.488 END D.T.

REVISED JAN 1, 1992



35 0.29 0.50 0.63 0.62 0.48 LEVEL 35 0.36

C.T.C.

E

REVISED TO, JAN 1, 1992

30x14 30" CAST IRON PIPE
90.16 300' B.S. (CS-160) DK.L, PESCADERO CREEK

90.53 36" CAST IRON PIPE
90.58 4" CONC ARCH
90.69 36" CAST IRON PIPE

90.93 64" O.D., DK.PL.GIR., HIWAY U.P.

91.26 36" CAST IRON PIPE

92.37 480' B.D. DK.PL.GIR., PAJARO RIVER
W/TH ALIGNMENT DETAIL

92.968 BEG. D.T.

93.2 LOGAN
13170

94.6 AROMAS
13190

97.1 EATON
13195

98.06 54" CMP

25
90.97

55
92.99

93.32
93.50

45
96.00

25
98.00

90

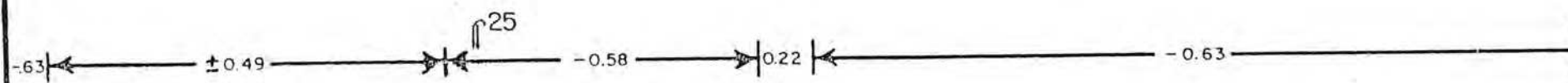
95

100

SH 74	SH 83	SH 66	SH 77	SH 74	SH 71	SH 66	SH 83	SH 83	SH 43	41	87	SH 72	63	52	68	52	29	SH 73
CWR 135	CWR 132	CWR 136	CWR 132	CWR 135	CWR 135	CWR 135	CWR 133	CWR 136	CWR 132	CWR 136	CWR 113	CWR 136	CWR 132	CWR 132	CWR 119	CWR 132	CWR 110	CWR 132

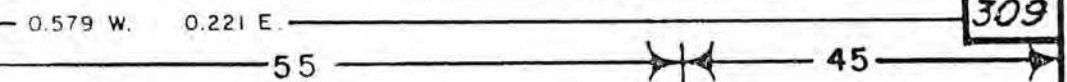
85 CR. ROCK

S-300'	S-300'	S-300'	S-300'	S-300'	S-300'	S-300'	S-300'	S-300'	S-300'	S-300'	S-300'	S-300'	S-300'	S-300'	S-300'	S-300'	S-300'	S-300'
S-300'	S-300'	S-300'	S-300'	S-300'	S-300'	S-300'	S-300'	S-300'	S-300'	S-300'	S-300'	S-300'	S-300'	S-300'	S-300'	S-300'	S-300'	S-300'



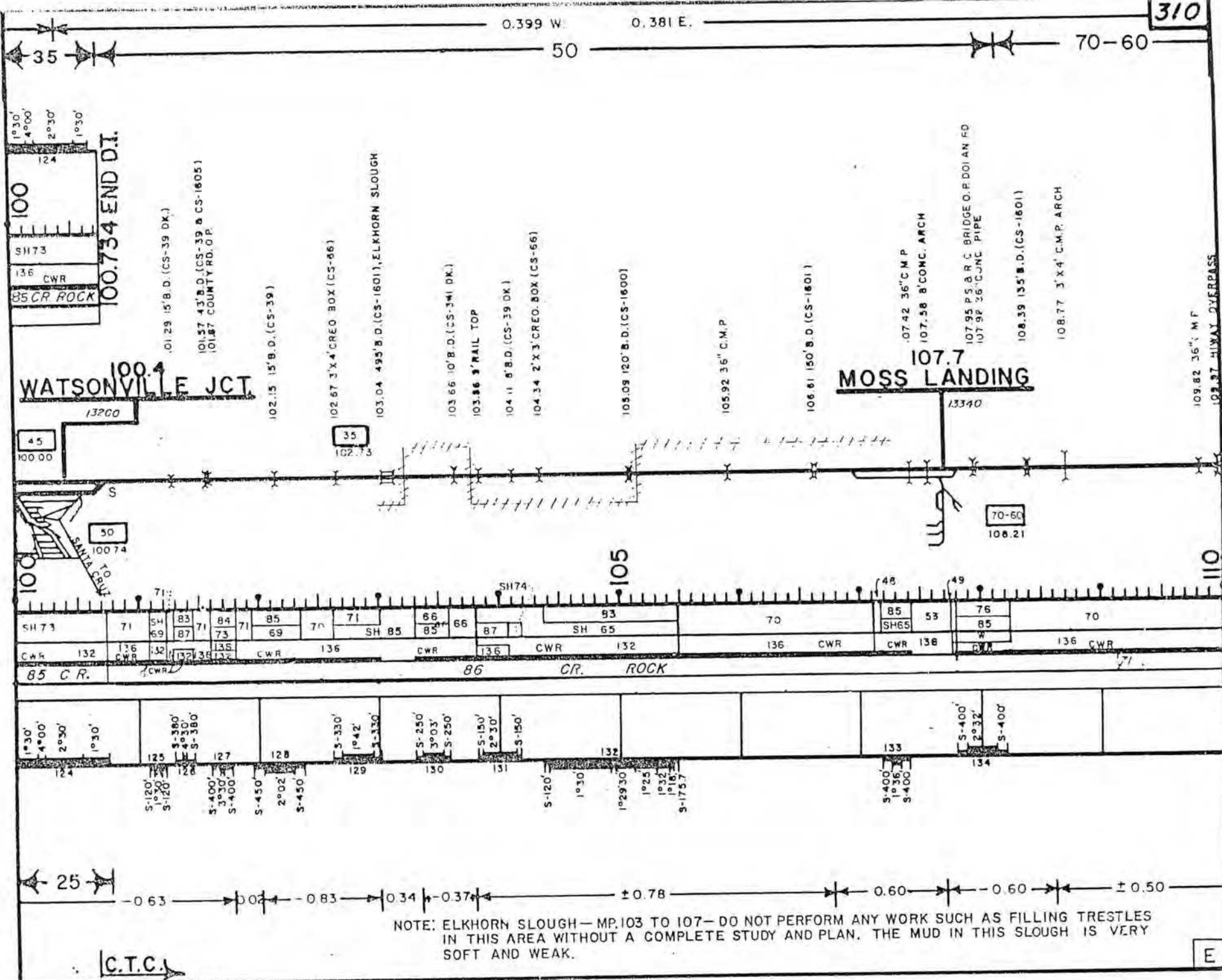
C.T.C.

E



309

REVISED TO JAN 1, 1992



310

70-60

0.399 W. 0.381 E.

35

50

70-60

100
 SH73
 136 CWR
 85 CR ROCK
 100.734 END D.I.

WATSONVILLE JCT.

MOSS LANDING

109.82 36" M.F.
109.87 HIWAY OVERPASS

45
100.00

35
102.73

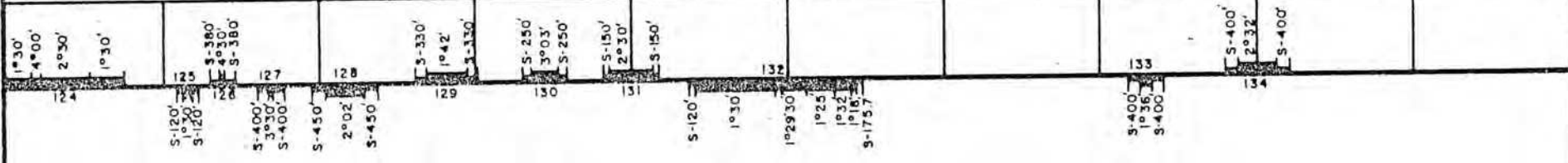
70-60
108.21

50
100.74

105

110

SH 73	71	54 69	83 87	71	84 73	71	85 69	70	71	SH 85	86 85	66	87	SH 65	93	70	85 SH 65	53	76 85	70
CWR	132	126 CWR	132 CWR	132 CWR	135 CWR	136	136	136	136	CWR	136	136	136	CWR	132	136	CWR	136	136	CWR
85 C.R.										86				CR.	ROCK					71



25

0.63 0.02 0.83 0.34 0.37 ± 0.78 0.60 0.60 ± 0.50

NOTE: ELKHORN SLOUGH - MP. 103 TO 107 - DO NOT PERFORM ANY WORK SUCH AS FILLING TRESTLES IN THIS AREA WITHOUT A COMPLETE STUDY AND PLAN. THE MUD IN THIS SLOUGH IS VERY SOFT AND WEAK.

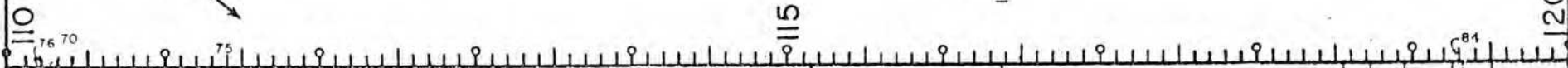
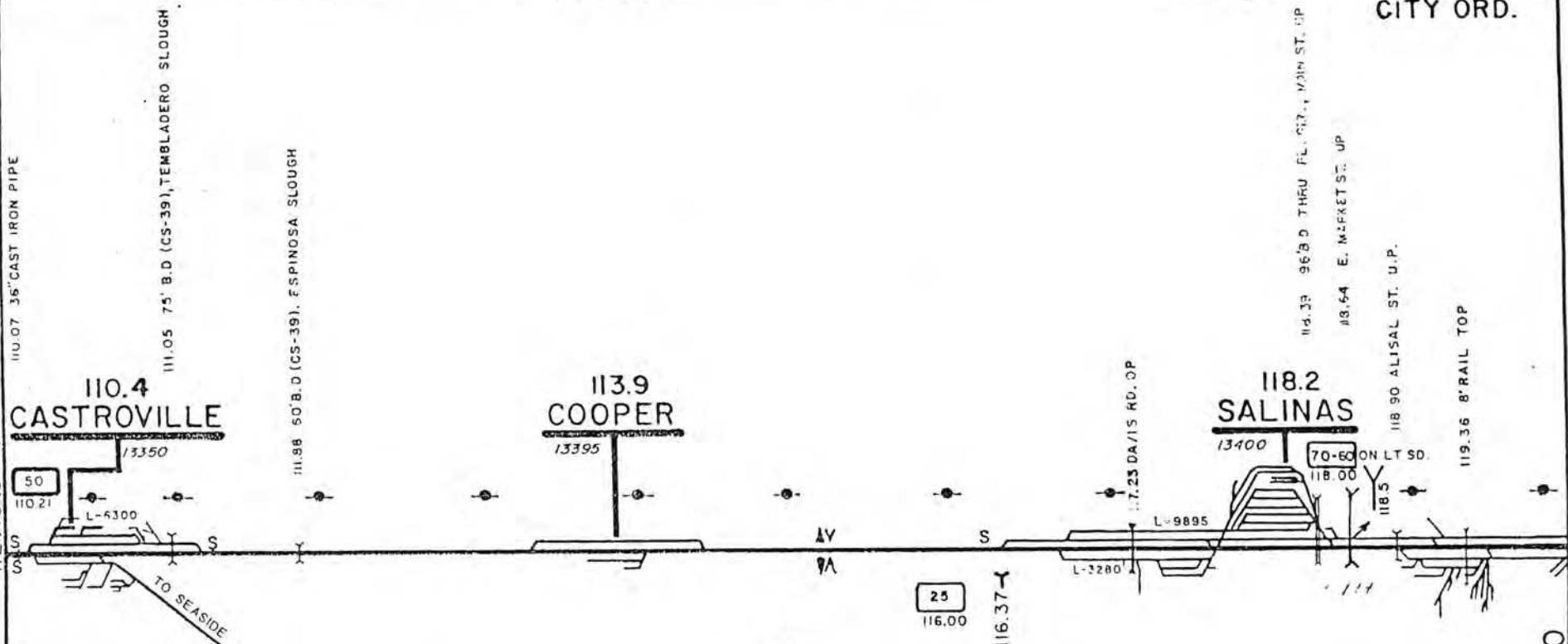
C.T.C.

E

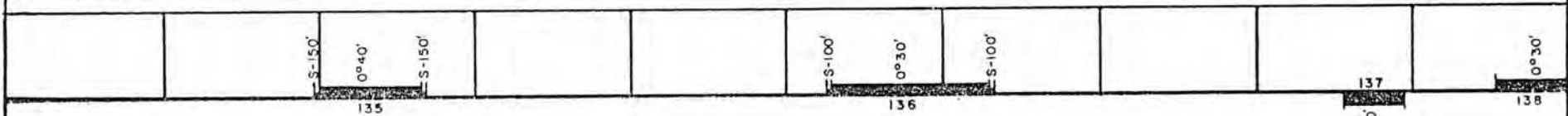
0.399 W.
0.381 E. ——— 0.119 W. 0.199 E. ———

70-60

REVISED TO: JAN 1, 1992



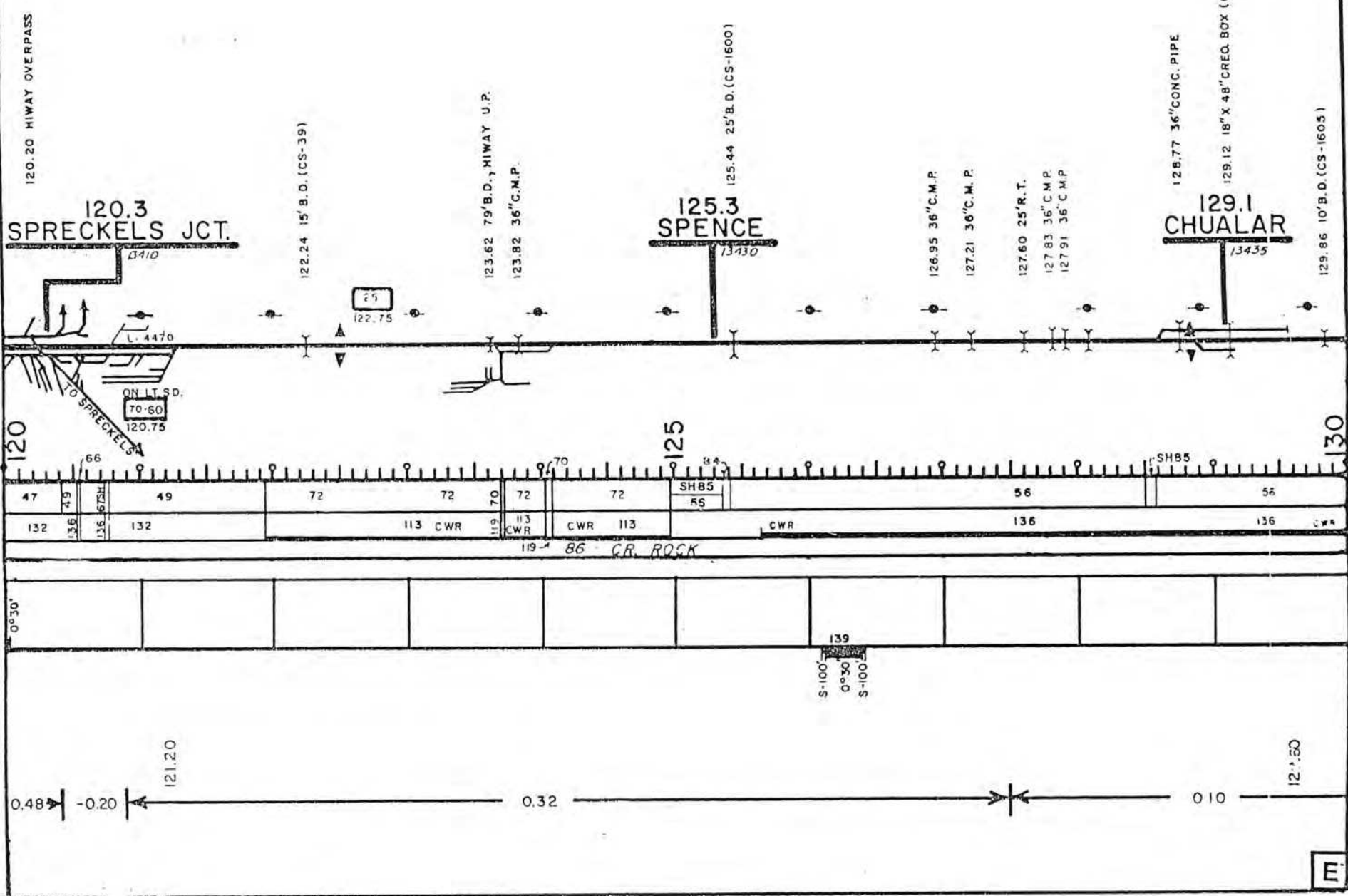
70	AC	62	86	SH 73	86	79.50	51	51	47
136 CWR			CWR 132		136 CWR		132	136	132
86			GR.		ROCK				



±0.50 ——— 0.20 ——— WATSONVILLE DISTRICT — J.G. CASTANEDA — R.D.M. ——— 48

C.T.C.

25 City Ord. 70-60 0.552 W. 0.514 E.



REVISED 71 JAN 1, 1992

47	49	49	72	72	70	72	72	SH85	56	56
132	136	136	113 CWR	113 CWR	113 CWR	113 CWR	113 CWR	136	136	CWR

0.48 -0.20 121.20 0.32 0.10 121.50

0.552 W.

0.514 E.

70 - 60

REVISED JAN 1, 1992

132.86 8' CONC ARCH

135.1 GONZALES

13445

135.45 1-36" C.M.P.

135.89 36" C.M.P.

137.21 42" C.M.P.

138.03 36" C.M.P.

138.8 MOLUS

13450

138.46 2-36" C.M.P.

138.62 1-24" CONC. PIPE 1-36" C.M.P.

139.15 1-36" C.M.P. & 1-24" C.M.P.

L 7475

130

135

140

56

SH 86

SH 86

136 CWR

136 CWR

86

CR.

ROCK

0°10'

140

0°20'

141

0.10

0.16

135.0

0.28

REVISED TO JAN 1, 1992

140.03 1-36' C.M.P

0.552 W. 0.514 E.

70-60

40

314

140.6
CAMPHORA

13455

141.79 9' RAIL TOP

143.6
SOLEDAD

13460

144.31 103' B.D., THRU P.L. GIR., HIWAY U.P.

143.04 HIWAY O.P.

145.26 8' CONC ARCH, CATTLE PASS

145.90 2-16" X 48" CRED. BOXES (CS-80)

146.60 9' R.T.
146.73 6' STONE ARCH

147.51 7' R.T.

147.84 7' R.T.
147.94 7' R.T.
148.07 10' B.D (CS-39 TYPE)
148.27 6' CONC ARCH
148.37 12' B.D (CS-1601 DN)
148.50 7' R.T.

148.3
HARLEM

13465

148.95 30' CONC SLAB DECK
149.08 6' B.D (CS-341)

149.59 9' B.D (CS-1603 TYPE), CATTLE PASS

140

145

150

SH 86

SH 86

SH 86
SH 87

132 CWR

132 CWR

113 CWR
115 CWR
117 CWR
119 CWR
121 CWR
123 CWR
125 CWR
127 CWR
129 CWR
131 CWR
133 CWR
135 CWR
137 CWR
139 CWR
141 CWR
143 CWR
145 CWR
147 CWR
149 CWR
151 CWR
153 CWR

B 6

CR.

132 CWR
ROCK

S-300'
142

S-300'
143

S-350'
144

S-300'
145

S-300'
146

S-385'
147

S-385'
149

S-300'
150

S-245'
151

S-315'
152

144.10

148.70

0.28

0.70

-0.70

0.70

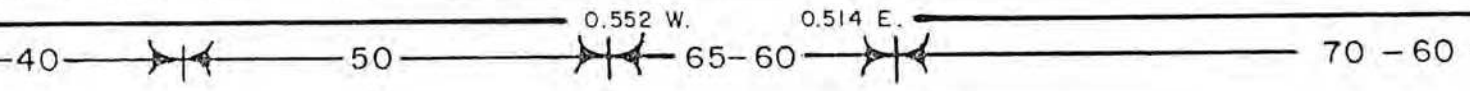
-0.70

0.60

-0.20

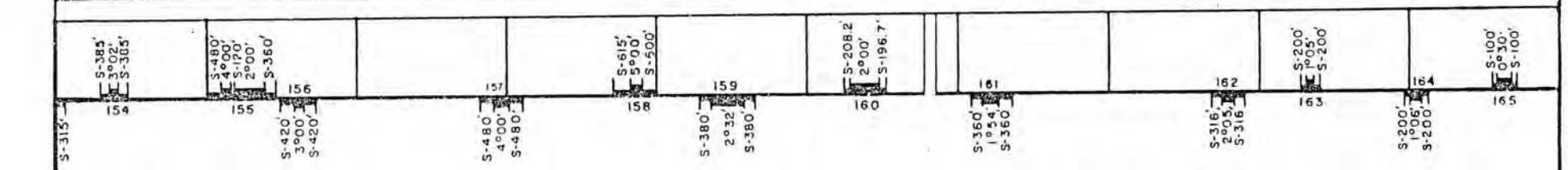
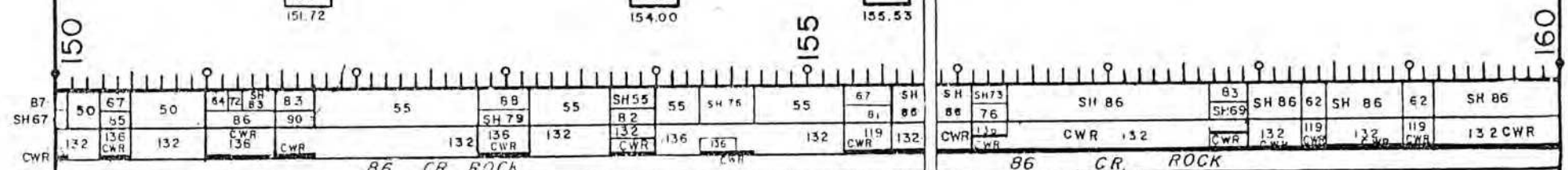
E

REVISED TO JAN 1, 1992

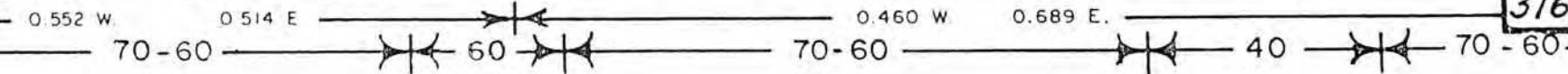


152.3
METZ
13470

TUNNEL NO. 5-1/2 (CONC.)
155.59 9'RAIL TOP.
155.74 9'R.T.
155.785
EQUATION



REVISED TO: JAN 1, 1992



161.0
ELSA

13480

162.17 36" RIV. IRON PIPE

162.71 36" RIV. IRON PIPE

163.7
KING CITY

13485

164.12 240' U.D. PL GIR. SAN LORENZO CREEK

167.1
WELBY

13490

166.59 13" B.D. (M.W.-552)

167.58 10' RAIL TOP

167.99 36" C.M.P.
168.13 6" CONC ARCH

168.43 36" C.M.P.
168.51 36" C.M.P.

168.90 6" CONC ARCH

60
161.13

70-60
164.00

40
165.43

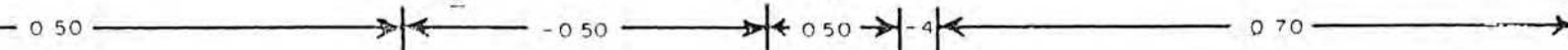
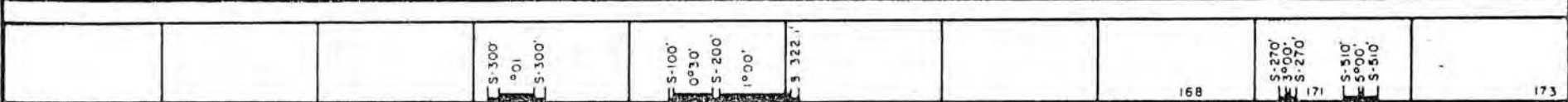
70-60
168.80

160

165

170

SH R6	51	SH B6	62	SH B7	83	SH87	83	SH76	SH B7
136	119	132	119	133	76	SH87	76	SH67	133
CWR	CWR	CWR	CWR	CWR	CWR	CWR	CWR	CWR	CWR
B6 CR. ROCK									



0.460 W 0.689 E

70 - 60

REVISED TO JAN 1, 1992

40
170.80

170.90 13' B.D (MW-662)

172.4
SAN LUCAS
13496

L-4975'

172.75 HIWAY J.P ROUTE (S6)
172.85 8' STONE ARCH

175.66 9' RAIL TOP

177.11 2'-16" X 48" CREO. BOXES (CS-80)

178.02 16' B.D (CS-341)

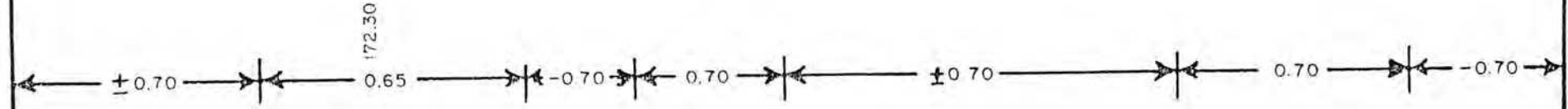
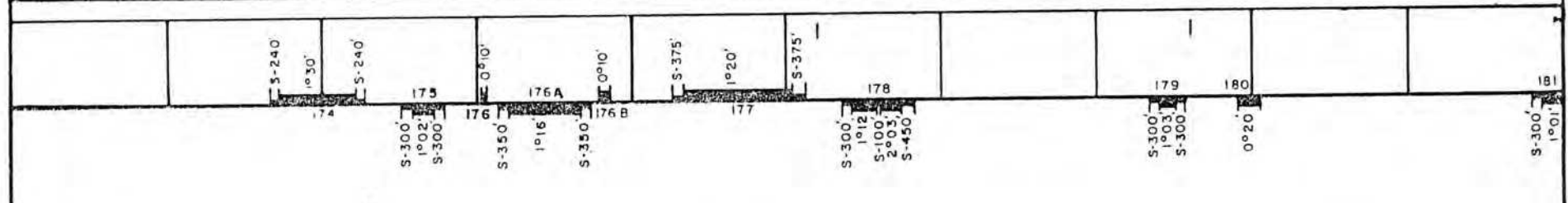
178.60 3' X 4' CREO. BOX (CS-66A)
178.62 3' X 4' CREO. BOX (CS-66A)

HOT BOX DETECTOR

178.99 8' CONC ARCH

170 175 180

SH 87	S.H. 65	SH 87	SH 65	SH 87	SH 67	SH 87	SH 81	SH 87	57
133	CWR	132	115	119	113	132	SH 62 136 132	132	136
H6			C. ROCK			82 C. ROCK			



REVISED JAN 1, 1992

318

0.460 W.

0.663 E.

70 - 60

60

50

55

180.87 11' RAIL TOP

181.35 27' X 43" C.M.P. ARCH

182.9
SAN ARDO

13504

183.10 151' B.D., DK. PL. GIR., SAN BERNARDO CR.

L-5780'

70-60
195.5

186.04 6' CONC. ARCH

187.32 15' B.D. (CS-378)

188.15 121' O.D. DK. PL. GIR., SARGENTS CREEK
(WITH FIRE AND HIGH LOAD DETECTORS)

188.55 20" PIPE LINE CONDUIT

188.75 36" CAST IRON PIPE

189.18 4' STONE ARCH
189.38 15' B.D. (CS-378)

189.7
WUNPOST

13510

L-4700'

189.96 15' B.D. (CS-39)

60
163.5

50
186.17

55
188.4

180

185

190

57	SH 75	54	62	56	81	83	59	85	56	53	86	56
36	CWR	132	119	136	PHCT	136	119	7.3	136	132	132	136

82 CR. ROCK

S-100'
0'30"

S-100'

S-300'
0'06"

S-300'

184
S-385'
3'14"

S-385'

185
S-385'
3'02"

S-385'

186
S-100'
0'30"

S-100'

187
S-240'
4'00"

S-240'

188
S-190'
0'40"

S-190'

189
S-190'
2'30"

S-190'

190
S-400'
2'00"

S-400'

191
S-360'
2'02"

S-360'

S-360'

S-360'

0.70

-0.25

0.65

163.0

-0.70

0.70

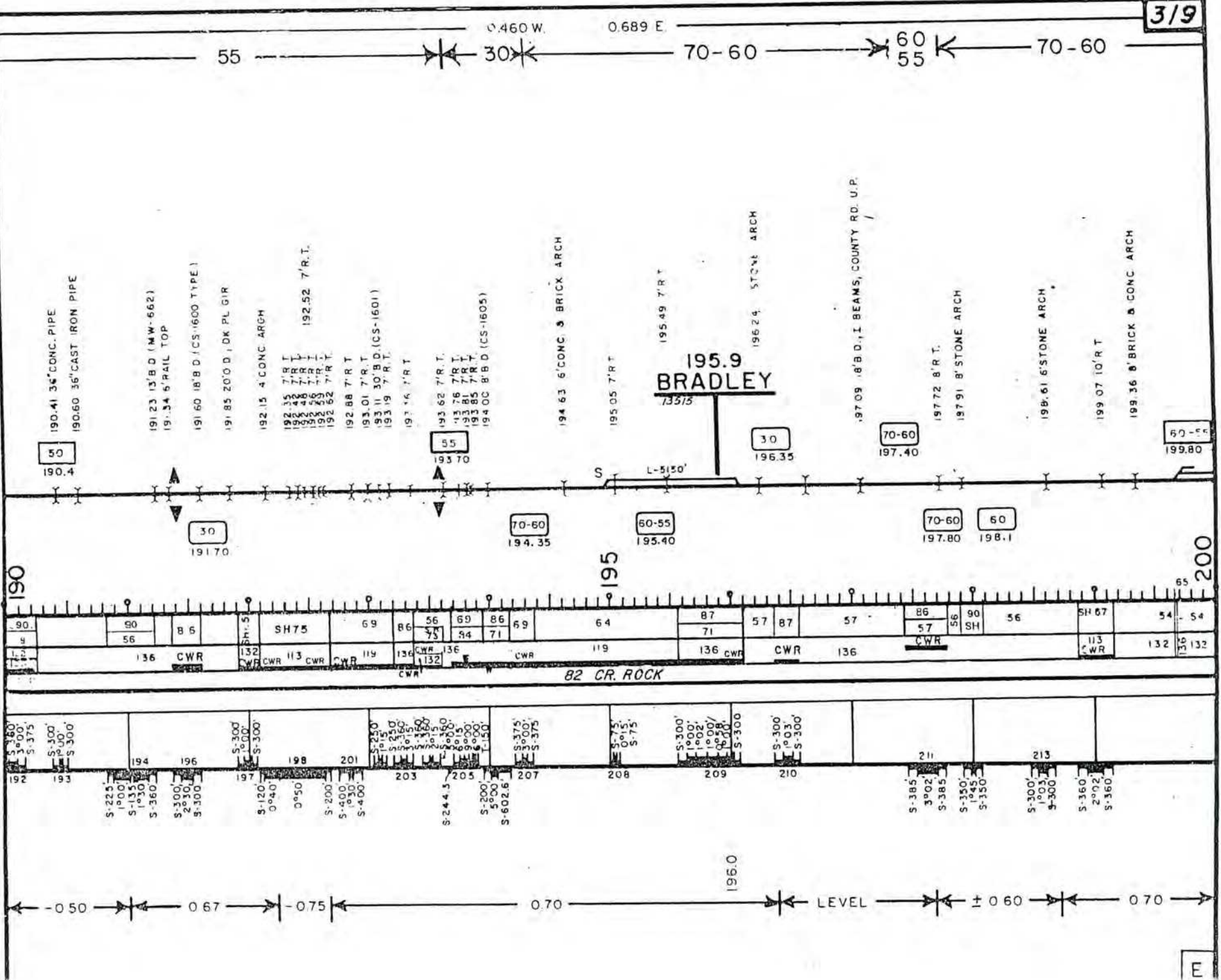
-0.70

0.70

189.90

E

REVISED JAN 1, 1992



0.460 W. 0.689 E.

60

REV. 350 TO JAN 1, 1992

200.32 36" C.M.P.
200.55 84.3" O.D. 8 B D. (611' O.D., THRU PIN CON. SPANS)
(232' B.D., DK PL. GRS.) SALINAS RIVER
255' B.D. (CS-1600), E. APP

201.91 6" CONC ARCH

202.24 36" C.M.P.

202.63 48 C.M.P.

202.98 42" C.M.P.

203.47 42" C.M.P.
203.60 20' B.D. (CS-369)

203.8
MC KAY

13520

204.90 11' RAIL TOP

205.44 25' B.D. (MW-662)

206.13 36" CAST IRON PIPE

207.0
SAN MIGUEL

13525

208.02 36" CAST IRON PIPE

208.30 8" STONE ARCH

208.46 36" CAST IRON PIPE

209.17 36" CAST IRON PIPE

209.27 100' O.D., DK PL. GIR., SAN MARCOS CREEK

209.90 8' B.D.

70-60
200.10

50
20990

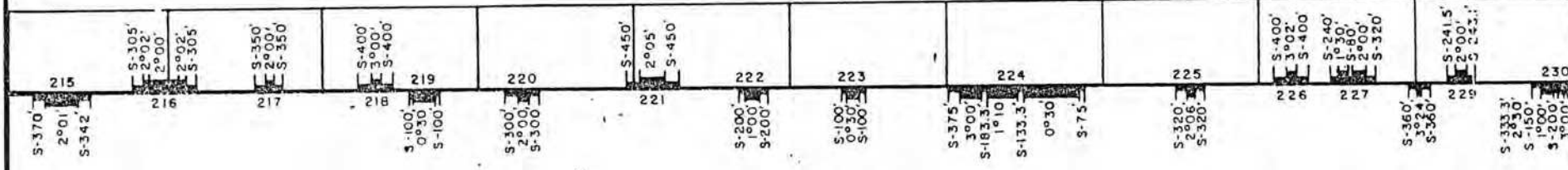
200

205

210

54	SH 67	60	SH 67	54	90	54	SH78 90	55	85	54	SH 67	55	87	86	55	55	67	75	46	55	SH 85	SH 78	55	SH67 87	71	47	85	54	85	90	SH67 48	54	66	87
32	CWR	113	CWR	113	CWR	132	CWR	132	136	CWR	132	136	132	136	136	132	136	136	136	132	132	136	136	136	136	136	136	136	136	136	136	136	136	136

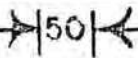
82 CR. ROCK



0.460 W.

0.689 E.

60



60



40

REVISED TO JAN 1, 1992

210.65 4' CONC. ARCH
210.84 9' B.D. (CS-1600 TYPE)
211.25 8' STONE ARCH
210.9 WELLSONA
13530

212.04 36" CAST IRON PIPE
60
211.30

212.66 20' B.D. (CE-18225), RD. U.P.

213.19 6' CONC. BRICK ARCH

213.69 6' CONC. BRICK ARCH

214.05 48" CONC PIPE
214.06 & 214.08 HIWAY OVERPASSES
50
214.16

215.09 24 TH. STREET O.P.
215.21 4' CONC. ARCH
215.33 9' RAIL TOP

215.66 7' R.T. CONC PIPE
215.70 36" C.M.P.
215.75 36" C.M.P.
216.3 PASO ROBLES
13535

216.03 7' R.T.

216.59 20' B.D. (CS-369), 3RD. ST. U.P.

216.92 HIWAY O.P.
216.97 HIWAY O.P.
217.06 60" C.M.P.
217.16 36" CAST IRON PIPE

217.67 7' R.T.

218.03 7' R.T.

218.22 8' R.T.
218.29 7' R.T.

218.60 8' CONC. ARCH

219.49 6' STONE & CONC. ARCH

219.80 9' R.T.

210

215

220

87	69	59	71	66	SH50	SH50	42	86	54	SH	54	SH5A	54	CWR	55	54	54	53	51	54	66	54	SH77	86	SH77	38	SH	54	76	86	58	
CWR	CWR	119	CWR	136	CWR	CWR	132	136	CWR	CWR	CWR	CWR	132	132	132	132	132	132	132	132	136	136	136	136	112	119	CWR	136	136	136	136	77

B2 CR. ROCK

C.R.

230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	248	249	250
S-375	S-180'	1'00'	S-245'	S-245'	S-300'	1'00'	S-300'	S-400'	1'31'	S-400'	S-210'	S-320'	S-280'	S-280'	S-250'	S-250'	S-350'	S-350'	S-200'
S-350'	0'45'	S-58'	2'00'	2'00'	4'30'	3'00'	S-440'	3'00'	S-440'	S-360'	S-360'	2'02'	4'06'	2'03'	2'03'	2'00'	2'35'	5'00'	S-200'

0.63



211.60

0.58



1.032



0.70



0.70



0.66



1.059

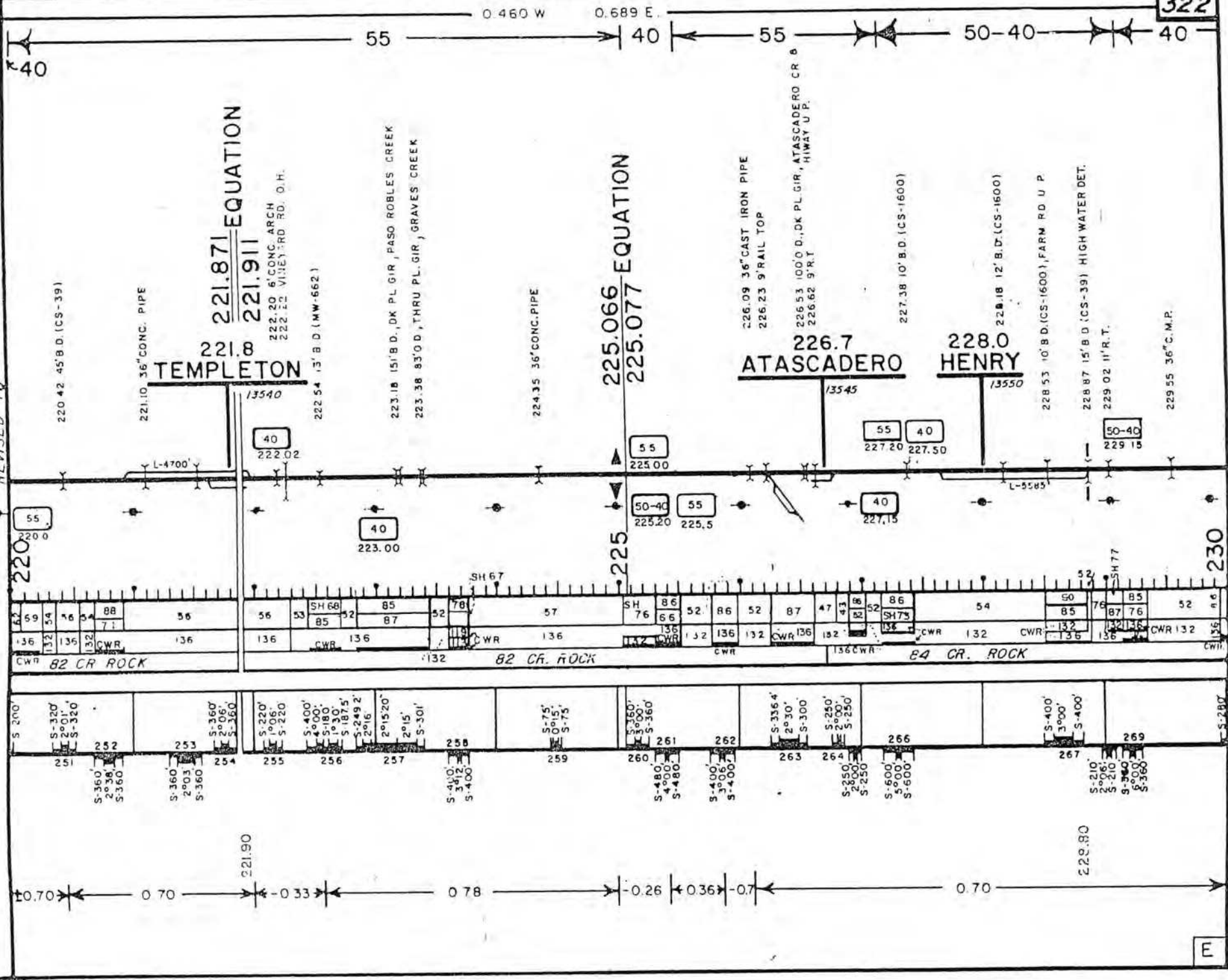


1.070

E

REVISED TO JAN 1, 1992

322



221.871 EQUATION
221.911 EQUATION

225.066 EQUATION
225.077 EQUATION

221.8
TEMPLETON

226.7
ATASCADERO

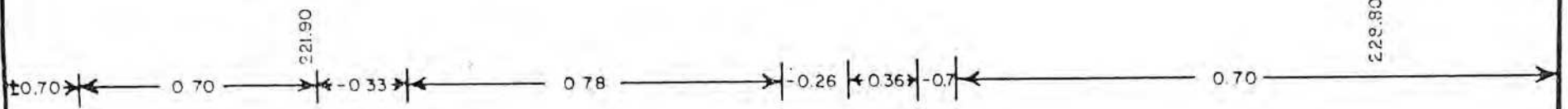
228.0
HENRY

220

230

62	59	54	56	54	88	56	56	53	SH 68	85	52	78	57	SH 76	86	52	86	52	87	47	43	82	52	86	54	50	85	76	87	76	52	86
136	132	136	132	CWR	136	136	136	CWR	136	136	136	CWR	136	136	CWR	132	136	132	CWR	136	132	136	CWR	132	CWR	132	136	136	CWR	132	136	
82 CR. ROCK										82 CR. ROCK										84 CR. ROCK												

S-200	S-320	S-320	S-320	S-360	S-360	S-320	S-220	S-400	S-400	S-400	S-400	S-400	S-400	S-400	S-400	S-400	S-400	S-400	S-400	S-400	S-400	S-400	S-400	S-400	S-400	S-400	S-400	S-400	S-400	S-400	S-280
251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282



E

REVISED TO JAN 1, 1992
230.03 20' B.O. RD U.P.

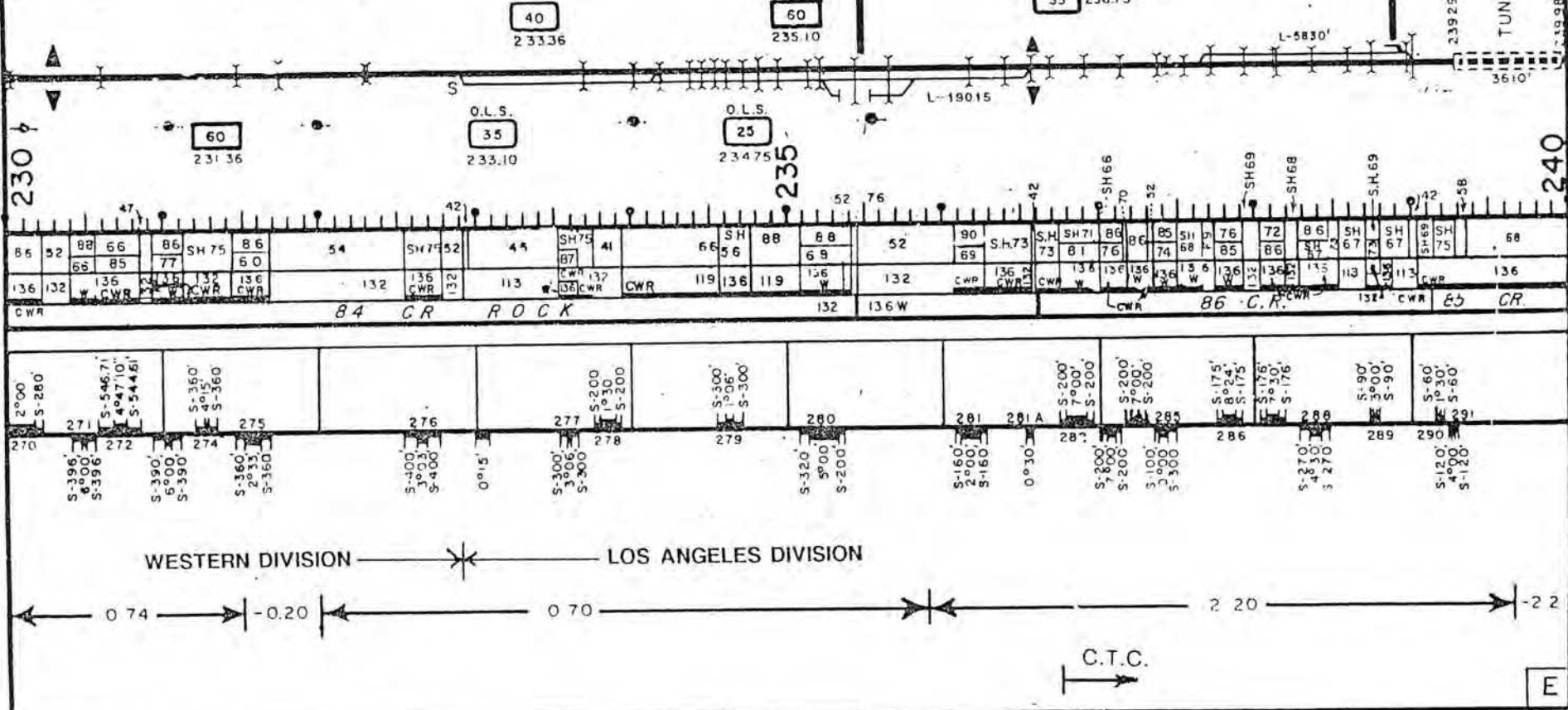
230.822 EQ.
230.841

40 60 35 25
0.460 W 2.59 E
2.2 W 2.2 E

230.60 9' B.D. (CS-1600)
231.48 6' CONC. ARCH
231.75 18' B.D. (CS-1601 TYPE)
232.30 103' O.D., THRU RIV SPANS, SANTA MARGARITA
233.70 13' RAIL TOP
234.03 13' R.T.
234.19 13' R.T.
234.39 13' R.T. X 48" CRED. BOXES (CS-80)
234.47 3-17' X 48" CRED. BOXES (CS-80)
234.54 3-17' X 48" CRED. BOXES (CS-80)
234.62 13' R.T.
234.72 13' R.T.
234.83 9' RAIL TOP
234.95 13' R.T.
235.14 13' R.T. (CS-39)
235.22 45' B.D. (CS-39)
235.45 11' R.T.
235.67 15' B.D. (CS-39)
236.18 15' R.T.
236.41 15' B.D. (CS-1601)
236.58 4' STONE ARCH
236.60 DRAGGING ARCH
236.70 4' STONE ARCH
236.92 4' STONE ARCH
237.14 11' R.T.
237.38 6' STONE ARCH
237.44 4' STONE ARCH
237.55 15' B.D. (CS-39)
237.72 4' STONE ARCH
237.94 4' STONE ARCH
238.12 36" C.M.P.
238.15 11' R.T.
238.38 11' R.T.
238.60 11' R.T.
238.76 10' B.D. (CS-39)
238.99 18' B.D.
239.01 HIWAY OVERPASS

235.5
SANTA MARGARITA

238.9
CUESTA



60
231.36

40
233.36

60
235.10

35
236.75

60
238.30

O.L.S.
35
233.10

O.L.S.
25
234.75

235

240

65 52 88 66 86 SH 75 86
66 85 77 60 54 SH 75 52 45 SH 75 41 66 SH 56 88 88
136 132 136 132 113 136 132 119 136 119 156 132 132 CWR 136 CWR 136
CWR 84 CR ROCK 132 136W 86 C.R. 1324 CWR 85 CR
52 76 42 SH 66 32 SH 69 SH 68 72 86 86 SH 67 54 73 SH 67 SH 68 58
270 271 272 274 275 276 277 278 279 280 281 281A 282 283 284 285 286 286 288 289 290 291

WESTERN DIVISION LOS ANGELES DIVISION
0.74 -0.20 0.70 2.20 -2.2

C.T.C.

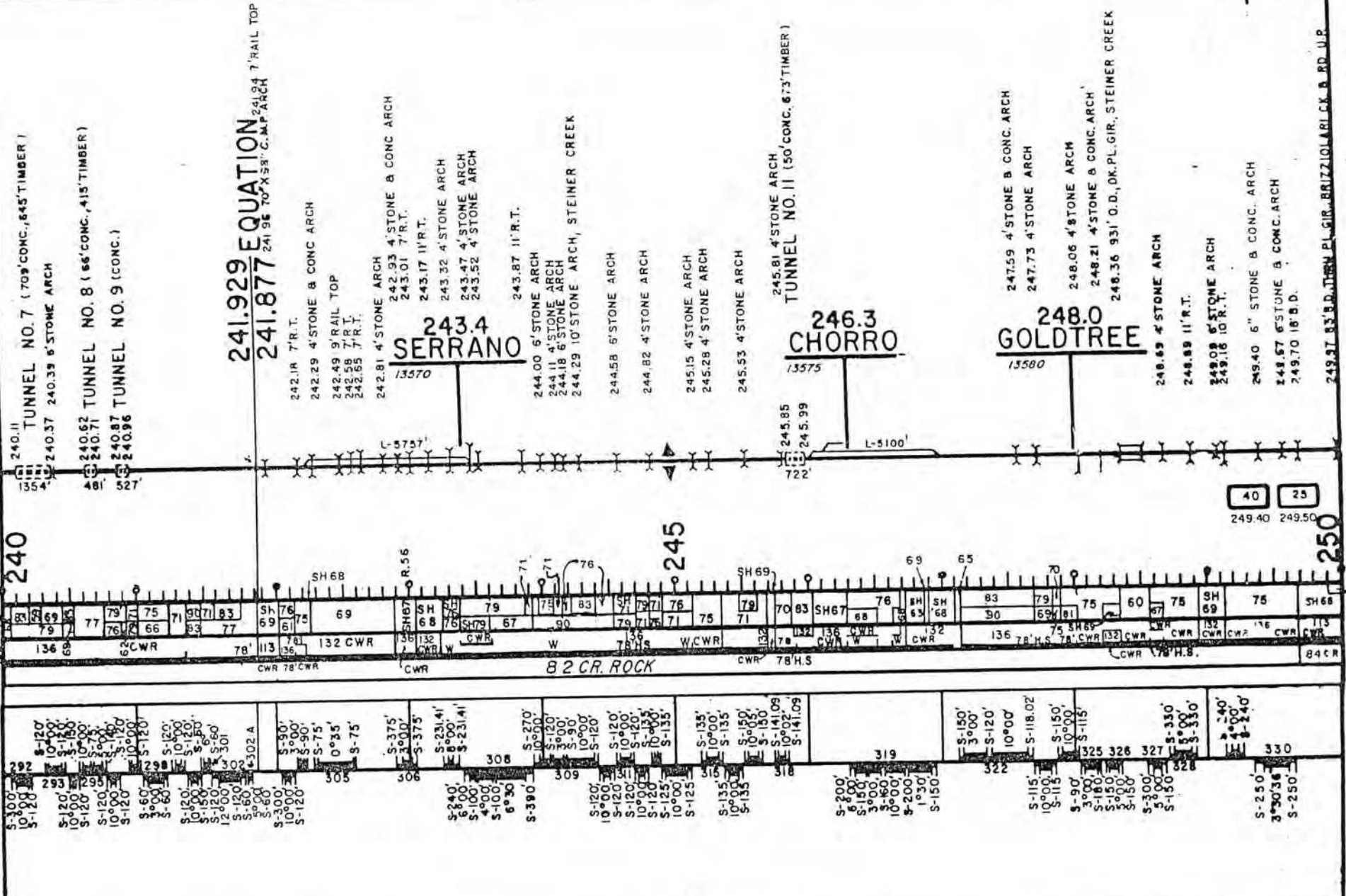
REVISED TO: JAN 1, 1992

324

2.2 W. 2.2 E.

25

40



240

245

250

40 25
249.40 249.50

- 2.20

WESTERN DIV.
LOS ANGELES DIV.

REVISED TO: JAN 1, 1992

2.2 W. 2.2 E.

1.0 W. 1.0 E.

40

25

35

60

35

250.13 18' B.D. (CS-200 TYPE)
250.39 15' B.D. (CS-200)
250.59 15' B.D. (CS-39)
250.83 4' STONE ARCH
250.93 4' STONE ARCH
250.97 133' B.D., THRU PL. GIR., HWAY UNDERPASS

251.22 MILL ST. OVERPASS

251.34 83' O.D., THRU PL. GIR., MONTEREY ST. U.P.
251.41 88' O.D., THRU PL. GIR., SAN LUIS ARROYO

251.95 6' STONE ARCH 251.775 BEG. D.T.

252.1 SAN LUIS OBISPO

253.10 8' STONE ARCH

253.20 4' STONE ARCH

253.37 8' STONE ARCH

253.57 14' STONE ARCH

254.8 EAST SAN LUIS OBISPO

254.12 8' STONE ARCH

254.28 TANK FARM RD., U.P.

254.74 9' STONE ARCH

255.25 12' STONE & CONC. ARCH

256.49 12' STONE & CONC. ARCH

256.66 NORTH EDNA O.P.

256.69 8' RAIL TOP

257.99 8' R.T.

258.39 HWAY O.P.

258.44 20' STONE & CONC. ARCH, 1-ST. KING VILLA CREEK

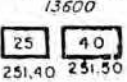
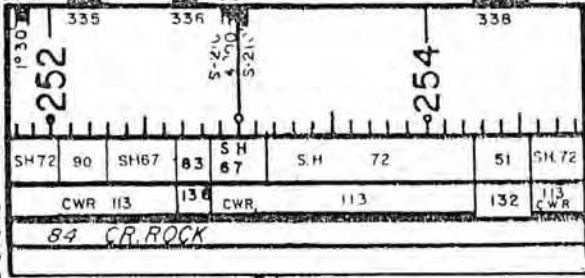
258.48 18' B.D.

259.29 21' CONC. ARCH, OWL CREEK

259.42 36" C.M.P.

259.67 9' RAIL TOP

259.83 20' B.D., ROAD U.P.



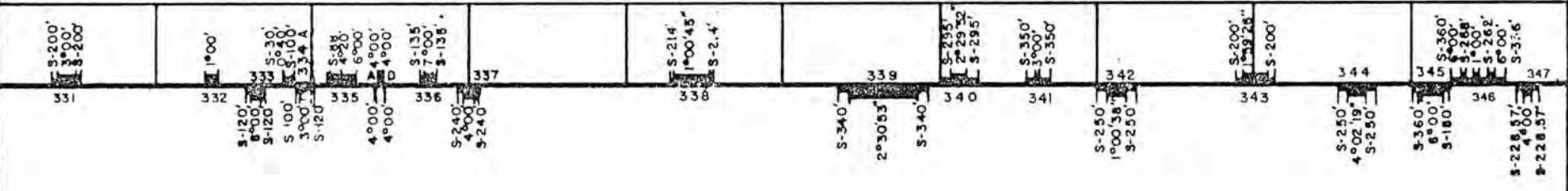
250

255

260

SH 68	SH 75	SH 68	SH 69	SH 67	SH 87	SH 67	SH 67	SH 83	SH 72	SH 69	SH 52	SH 69	SH 52	SH 73	73	49	73	49	75	49	87	83	75	87	89	87	83
113	138	138	113	136	113	113	113	136	132	136	132	136	132	CWR	SH 87	CWR	132	136	132	136	132	136	135	135	135	132	132
CWR	CWR	CWR	CWR	CWR	CWR	CWR	CWR	CWR	CWR	CWR	CWR	CWR	CWR	CWR	CWR	CWR	CWR	CWR	CWR	CWR	CWR	CWR	CWR	CWR	CWR	CWR	CWR

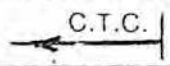
84 CR. ROCK



-2.20
L.A. DIV.

-1.00
SANTA BARBARA DISTRICT - M.W. FLOWERS ROADMASTER

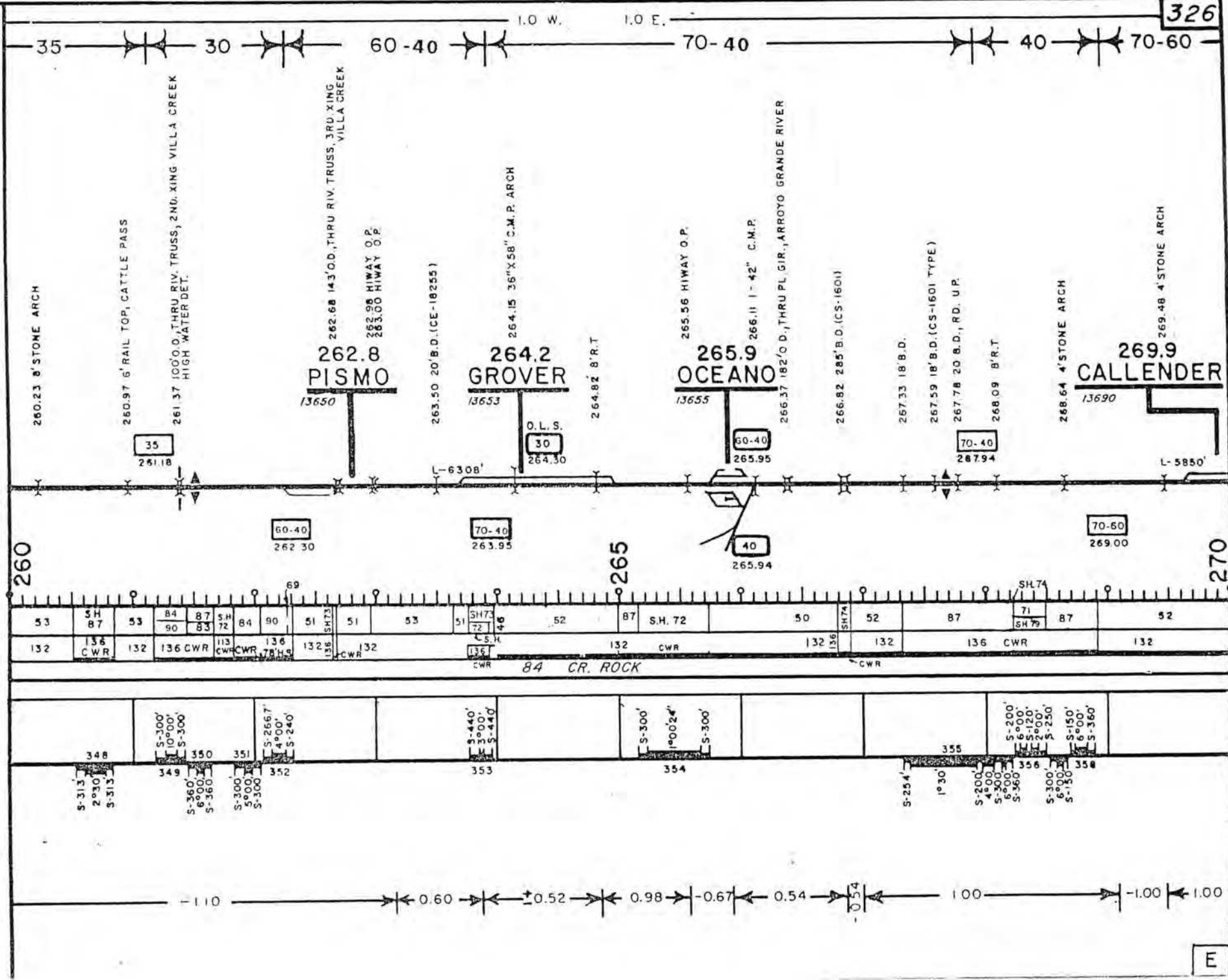
1.02
-1.03
-0.93
-1.10



E

REVISED TO JAN 1, 1992

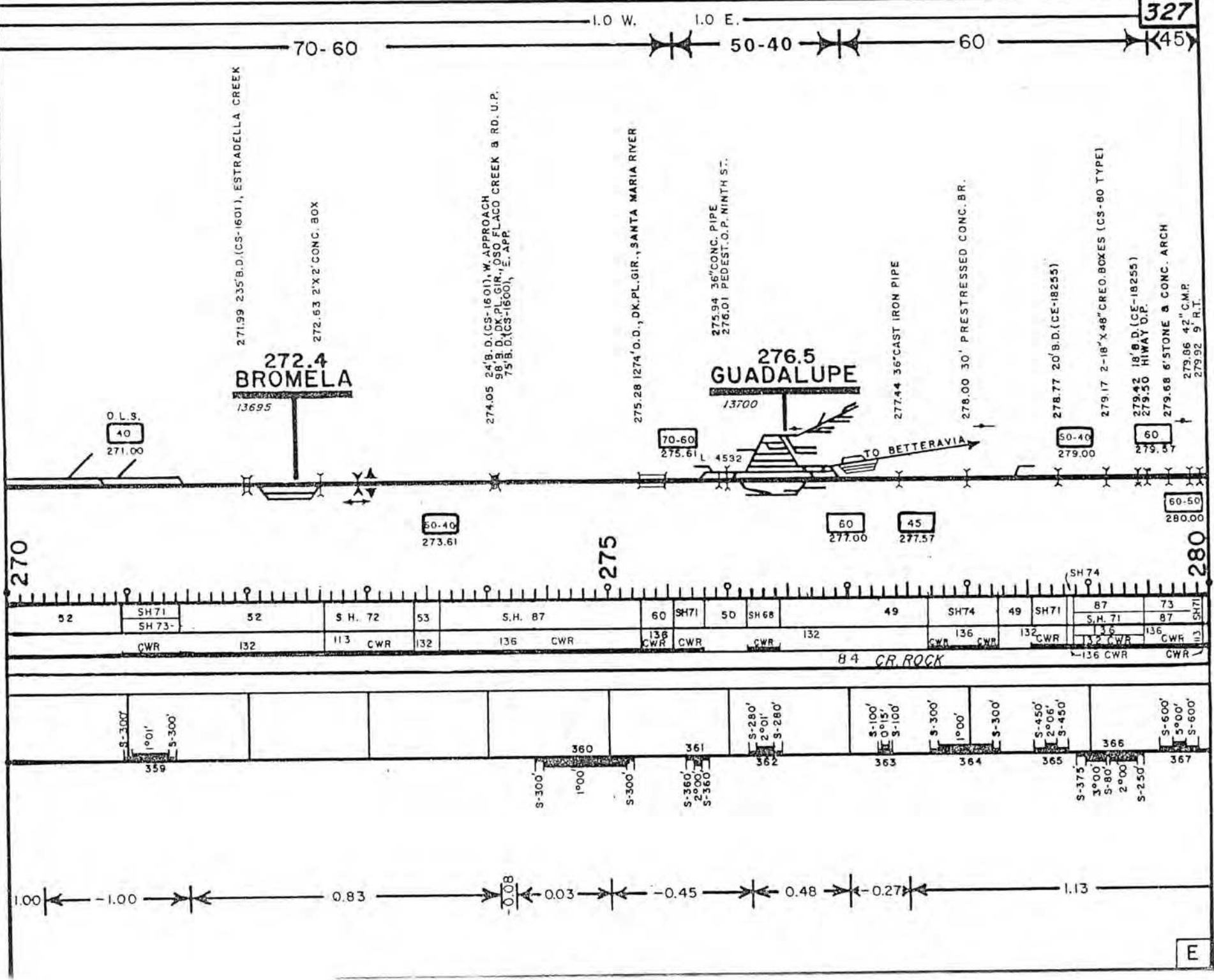
326



E

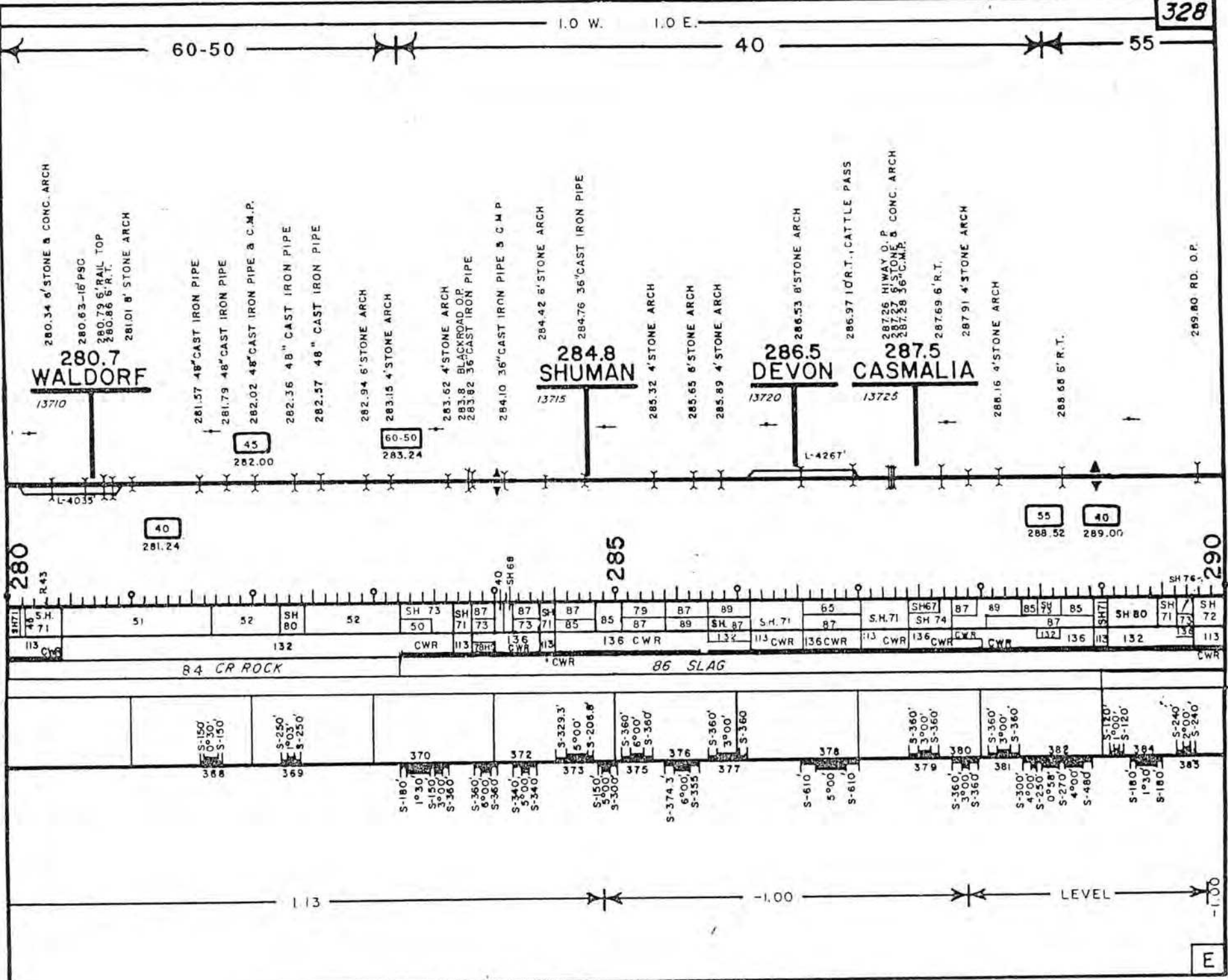
REVISED TO JAN 1, 1992

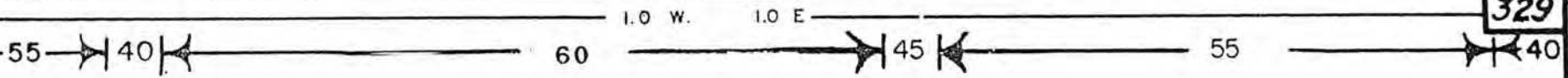
327



E

REVISED TO JAN 1, 1992





294.65 72' - D., DK. PL. GIR., LOS ALAMOS CREEK

297.20 HIWAY D.P.

299.30 72" C.M.P.
299.31 36" C.I.P.

293.2
NARLON
13730

297.2
TANGAIR
13795

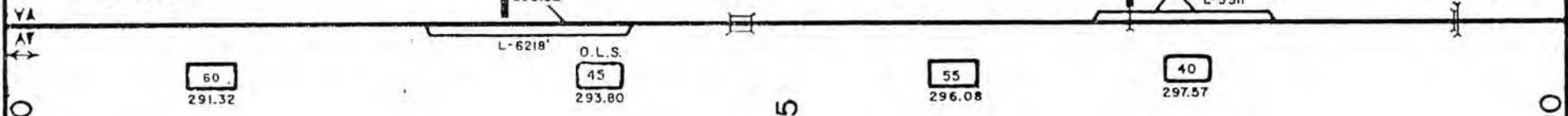
40 290.52
55 291.00

40 293.32

60 295.80

45 298.08

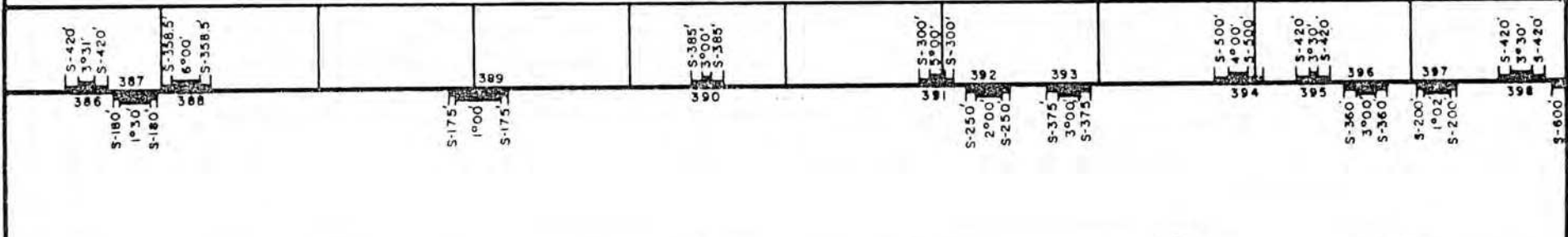
55 299.57



290 295 300

S.H.72	S.H.63	SH	82			S.H.71	42	SH 71		SH 73	59	SH 71		73	SH 73	SH	SH	S.H. 72		SH74	SH	SH74	63	SH 71	58
113	87	74	85		55	113	132	113	CWR	132	136	113	CWR	132	132	113	132	113	CWR	136	113	136	113	113	136
CWR						CWR				CWR	CWR			CWR	CWR			CWR		CWR	CWR	CWR	H3		CWR

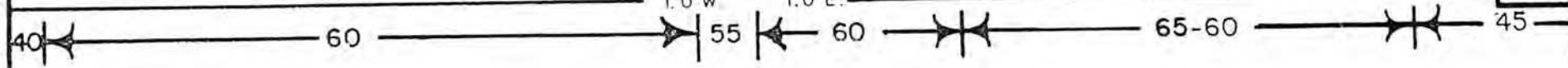
86 SLAG



REVISED TO JAN 1, 1992

REVISED TO: JAN 1, 1992

300.00 18"x48" CREO. BOX (CS-80)



300.48 36" CAST IRON PIPE

301.18 16" CAST IRON PIPE

301.88 610' O.D., DK. PL. GIR., SANTA YNEZ RIVER

302.7 SURF

303.03 4' CONC. ARCH

303.51 10' RAIL TOP

60 304.40

306.74 6' R.T.

307.01 36" CAST IRON PIPE & C.M.P.

307.9 HONDA

308.19 54" B.D., DK. PL. GIR., CANADA HONDA

309.2 S. VANDENBERG

309.22 6' CONC. & BRICK ARCH

309.60 4' CONC & BRICK ARCH

60 300.20

55 302.40

60 304.80

65-60 306.10

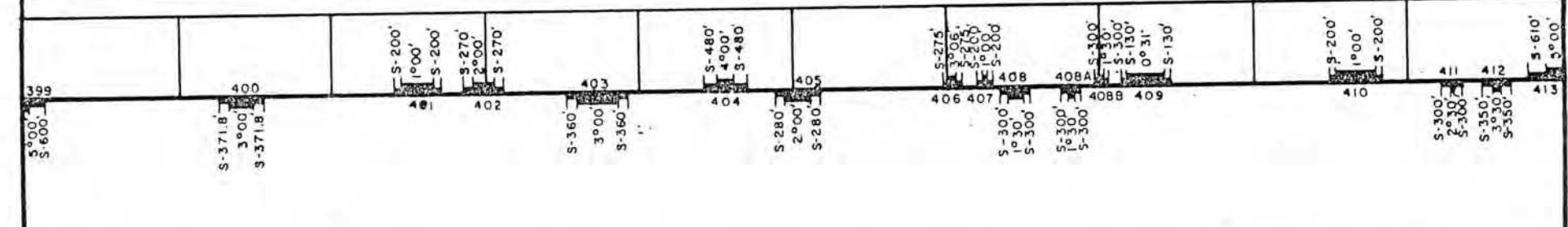
45 307.10

60 308.10

65-60 309.10

SH 76	SH 72	85	61	74	55	SH 71	82	SH 87	SH 71	85	67	SH 71	SH 74	SH 71	84	41	SH 73	85	SH 87	71	67	84	44	SH 73	SH 71	SH 73	87	90
85		89					136						85		73								136		132	SH 73	132	85
	113 CWR		CWR	36	32	113 CWR	136			136	132 CWR					132		152 CWR		CWR	119		136 CWR	132 CWR	132 CWR	132 CWR	132 CWR	

86 SLAG



399 3'00' S-600'

400 S-371.8' 3'00' 3-371.8'

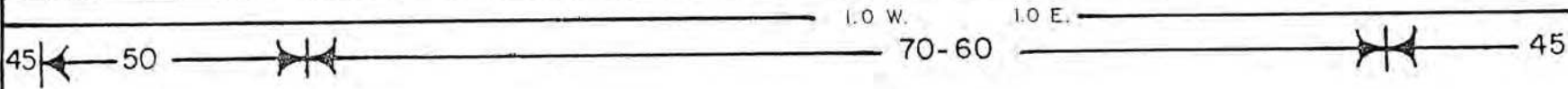
403 3'00' S-360'

405 2'00' S-280'

408 1'30' S-300'

410 9'200' 1'00' S-200'

412 3'350' S-350'



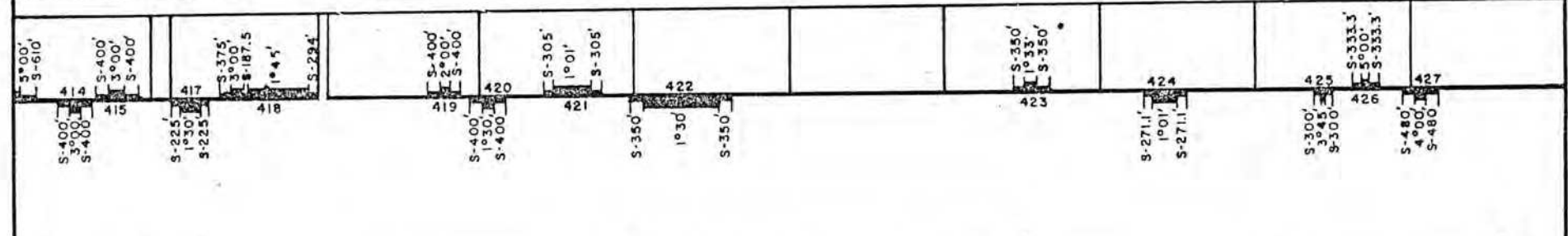
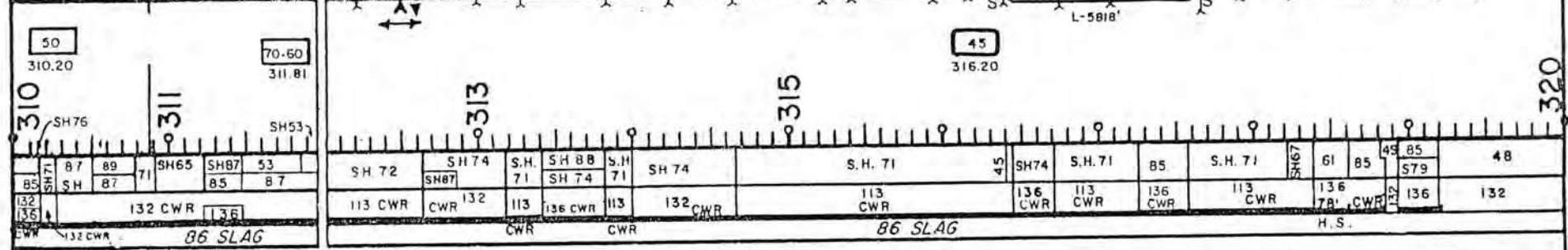
1.0 W. 1.0 E.

310.868 EQUATION
310.879 EQUATION

311.946 EQUATION
312.017 EQUATION

- 313.00 36" CAST IRON PIPE
- 313.29 10' B.D. (CS-1605), CATTLE PASS
- 313.83 6' STONE ARCH
- 314.24 36" CAST IRON PIPE
- 314.64 4' STONE & CONC ARCH
- 315.23 4' STONE & CONC ARCH
- 315.41 4' STONE & CONC ARCH
- 315.94 4' STONE ARCH
- 316.17 36" CAST IRON PIPE
- 316.40 10' RAIL TOP
- 316.75 4' STONE & CONC ARCH
- 317.09 4' STONE & CONC ARCH
- 317.67 6' STONE & CONC ARCH
- 317.91 30" C.M.P. CAST IRON PIPE
- 317.95 36" CAST IRON PIPE
- 318.26 36" CAST IRON PIPE
- 318.75 36" CAST IRON PIPE
- 318.95 36" C.M.P.
- 319.19 36" CAST IRON PIPE
- 319.48 48" CAST IRON PIPE

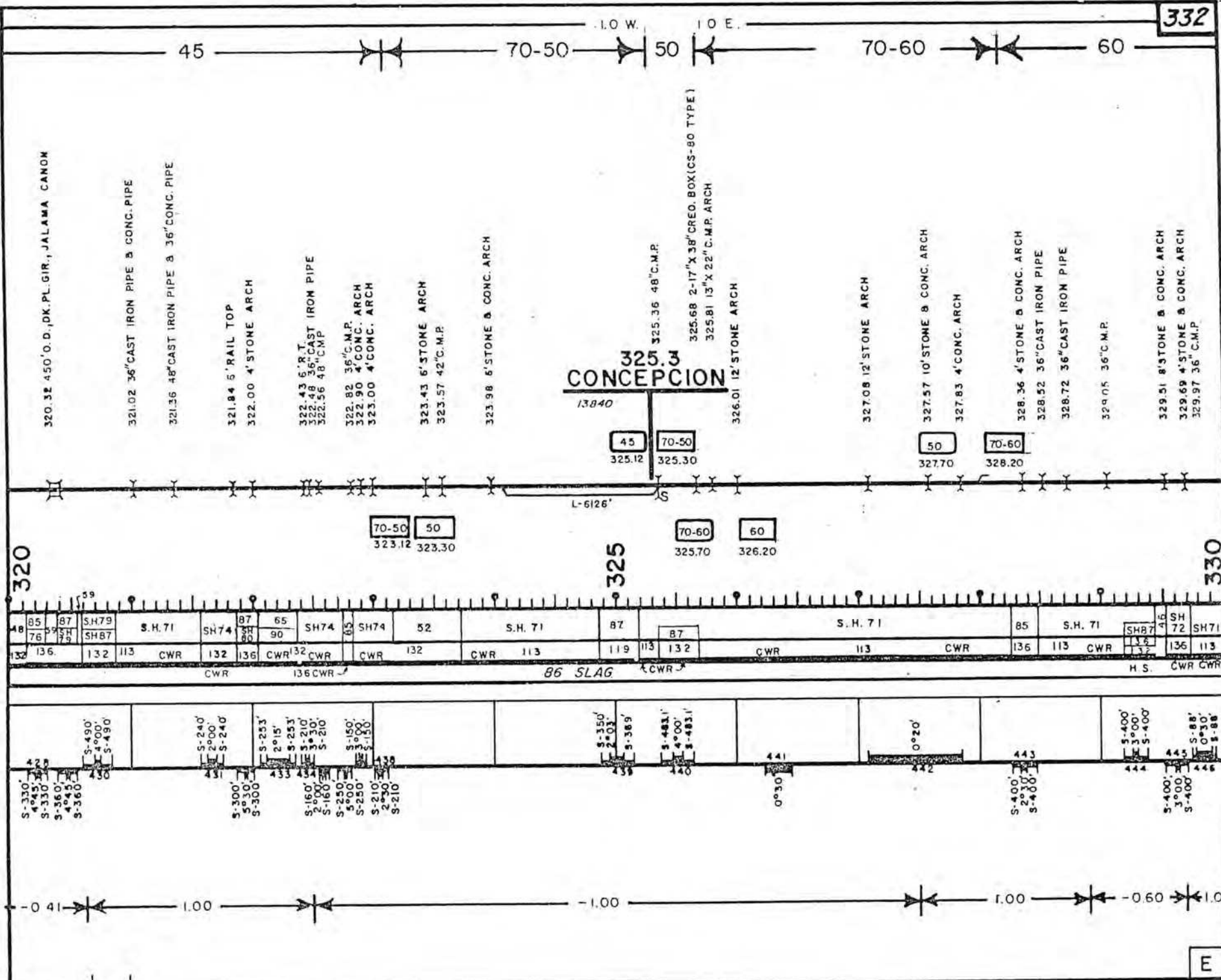
317.3
SUDDEN
13940



REVISED TO JAN 1, 1992

REVISED TO JAN 1, 1992

332



E

REVISED TO: JAN 1, 1992

333

60

1.0 W.

1.0 E.

40

50

330.16 6' STONE ARCH

330.33 36" C.M.P.

331.16 8' STONE ARCH

331.38 36" CAST IRON PIPE

331.95 8' STONE & CONC. ARCH

332.00 DRAGGING DETECTOR

332.36 8' STONE ARCH

332.74 36" CAST IRON PIPE

333.49 10' STONE ARCH

333.92 10' STONE ARCH

334.50 4' STONE ARCH
334.78 8' STONE & CONC. ARCH
335.02 8' STONE & CONC. ARCH
335.17 36" C.M.P.

13850

SACATE

60
335.30

~~336.076 EQ.~~
~~336.086 EQ.~~

336.03 63' B.D., DK. PL. GIR., ALEGRIA CAÑON

336.37 36" C.M.P.

336.66 36" CAST IRON PIPE

336.82 4' CONC. ARCH

337.19 421' B.D., DK. PL. GIR., AGUA CALIENTE CAÑON

337.40 DRAGGING DETECTOR

337.89 36" CAST IRON PIPE

338.05 36" CAST IRON PIPE

40
338.19

338.61 811' B.D., DK. PL. GIR., GAVIOTA CAÑON

339.4
GAVIOTA

13855

L=3966'

339.12 4' STONE ARCH

339.36 36" CAST IRON PIPE

339.82 751' B.D. DK. PL. GIR.
CEMENTERIO CAÑON AND PVT. ED. U.P.

330

335

340

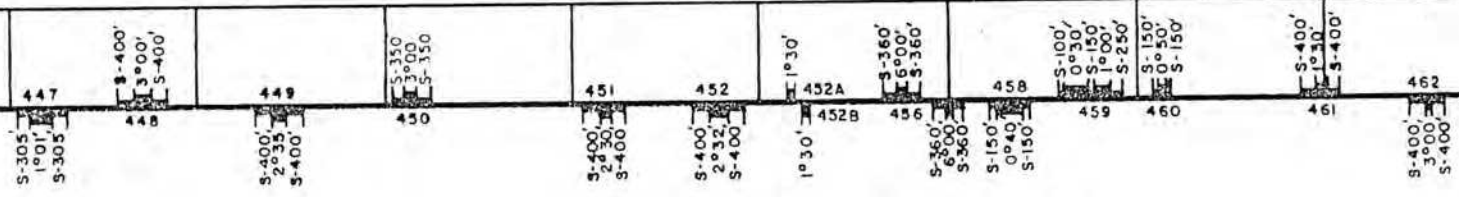
SH 71	SH 74	SH 74	S.H. 71	SH 74	S.H. 71	90	47	51	SH 74	SH 67	55	SH 80	SH 74	51	SH 71	SH 79	85	55	49	SH 71	65	S.H. 71	49	53	SH 71	65	51	49	65
113 CWR	CWR 136	136	113 CWR	CWR 132	113 CWR		132	136	113 CWR	132	132	132	113	136	132	113	136	132	113	136	113	CWR 113	132	136	132	132	136	132	136
			CWR																										

86 SLAG

CWR

CWR

71 CR. ROCK



E

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334

I.O.W. I.O.E.

50

45

40

50

34023 7' RAIL TOP
 34043 6' STONE ARCH
 34088 10' STONE ARCH
 34108 9' R.T.
 34147 5' STONE & CONC. ARCH
 34175 9' R.T.
 34197 8' STONE ARCH
 34226 9' R.T.
 34237 8' STONE ARCH

34294 6' STONE ARCH
 34304 36" C.M.P. & CAST IRON PIPE
 34321 36" C.M.P.
 34334 4' CONC. ARCH
 34358 54' B.D., DK PL GIR., ARROYO HONDA
 34395 36" CAST IRON PIPE
 34430 36" C.M.P.

34454 60" C.M.P. & 48" CAST IRON PIPE & C.M.P.
 34463 36" C.M.P., HOT BOX DET.
 34470 42" C.M.P.

34488 12' STONE ARCH, ARROYO QUEÑADA

34514 7' R.T.
 34533 4' CONC. ARCH

34565 36" C.M.P.
 34582 36" CAST IRON PIPE

34605 12' STONE ARCH, TAJIGUAS CAÑON

34637 9' R.T.
 34658 6' CONC. ARCH

34680 4' CONC. ARCH
 34693 30' CONC. PIPE
 34703 6' R.T.

34728 7' R.T.
 34734 7' R.T.
 34748 9' R.T.

34781 11' R.T.
 34802 61' B.D., DK PL GIR., REFUGIO CAÑON
 34817 4' CONC. ARCH

34902 12' CONC. ARCH

349.9
 CAPITAN

349.46 12' STONE ARCH, CAÑADA DEL CORRAL

349.81 9' R.T.

340

345

350

45
344.00

40
345.4

50
346.00

45
347.4

50
348.80

L-4964

SH 72	53	55	SH 71	46	65	50	43	S.H. 71	62	51	48	SH 69	SH 79	87	579	51	53	52	SH 80	87	SH 74	51	136	S.H. 71	55	45
113	132	132	113	132	136	132	113	CWR	136	132	CWR	CWR	136	132	136	132	136	132	136	CWR	136	89	113	CWR	132	132
CWR	71	CR. ROCK	72	CRUSHED	CWR	ROCK	CWR																			

S-150
 2°12'
 S-360'

S-360'
 2°12'
 S-360'

S-165'
 0°33'
 S-165'

S-100'
 0°00'
 S-100'

467
 467A

S-485.4'
 4°00'
 S-485.4'

S-120'
 0°27'
 S-131.5'
 1°30'

S-265.50'
 4°00'
 S-265.50'

471
 472

S-240'
 2°01'
 S-240'

473

S-360'
 6°00'
 S-360'

475

S-360'
 3°00'
 S-360'

477

S-385'
 3°06'
 S-385'

478

S-350'
 1°32'
 S-350'

-0.94 0.04 0.05 0.93 0.60 0.67 0.80 0.87 0.90 1.00 1.00 0.9 0.77 1.00

E

REVISED TO: JAN 1, 1992

1.0 W. 1.0 E.

50

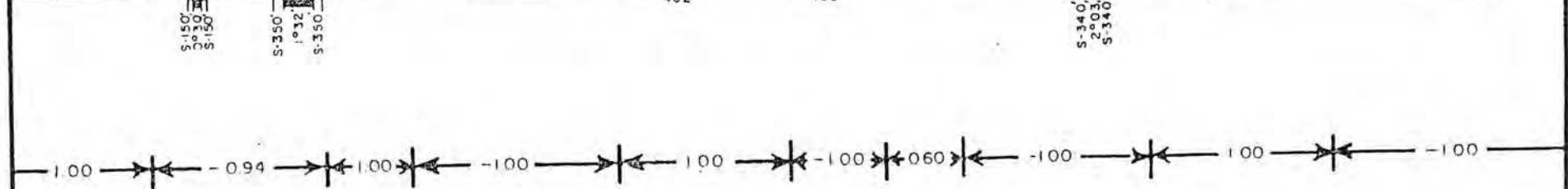
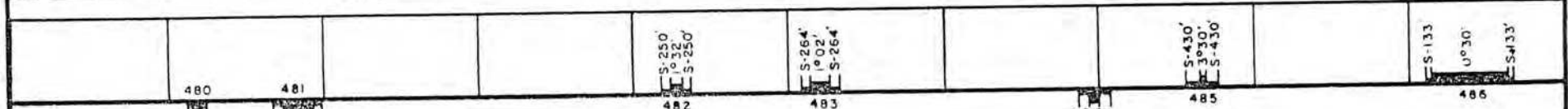
350

355

360

SH 71	51	67	53	SH 74 76	SH 71	53	S.H. 71	41 SH 74	54	53	47	53	82	SH 72	79	SH 74 87	51	82	SH 71
113	132	136 CWR	132	136 CWR	113 CWR	132	113 C.W.R.	136 CWR	132	132	132	132	136 CWR	113 CWR	136 CWR	136 CWR	132	136 CWR	113 CWR

72 CR. ROCK



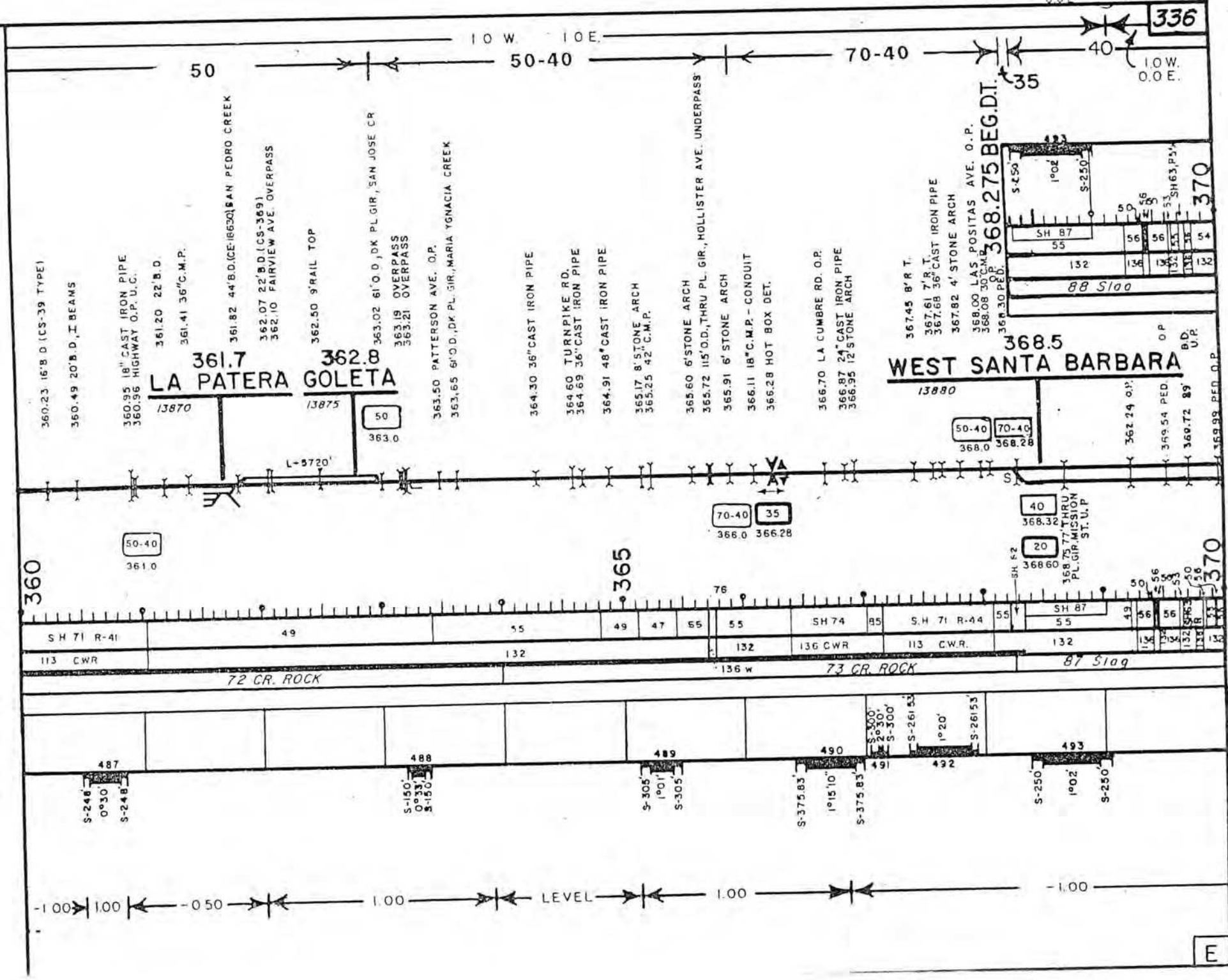
- 350.28 36" C.M.P.
- 350.38 8' CONC. ARCH
- 350.67 75' B.D., DK PL. GIR., EL CAPITAN CAÑON
- 350.99 6' CONC. ARCH
- 351.15 42" C.M.P.
- 351.57 48" CAST IRON PIPE
- 352.01 12' STONE ARCH
- 352.90 12' STONE ARCH
- 353.30 6' CONC ARCH
- 353.67 2' X 3' CRED. BOX (CS-66)
- 353.90 10' STONE ARCH
- 354.12 11' RAIL TOP
- 354.41 66' B.D., DK PL GIR., DOS PUEBLOS CAÑON
- 355.51 36" CAST IRON PIPE
- 355.93 36" CAST IRON PIPE
- 356.27 RD. O.P.
- 356.48 12' STONE ARCH
- 356.86 36" C.M.P.
- 357.21 10' STONE ARCH
- 357.45 12' STONE ARCH
- 357.77 HIWAY O.P.
- 358.01 11' R.T.
- 358.46 36" CONC. PIPE
- 358.56 36" CAST IRON PIPE
- 358.76 36" CAST IRON PIPE B CONC. PIPE
- 359.21 6' STONE ARCH
- 359.48 36" CAST IRON PIPE
- 359.58 36" CAST IRON PIPE
- 359.83 36" CAST IRON PIPE
- 359.90 GLEN ANNE CANYON RD O.P.

358.9
ELLWOOD
13865

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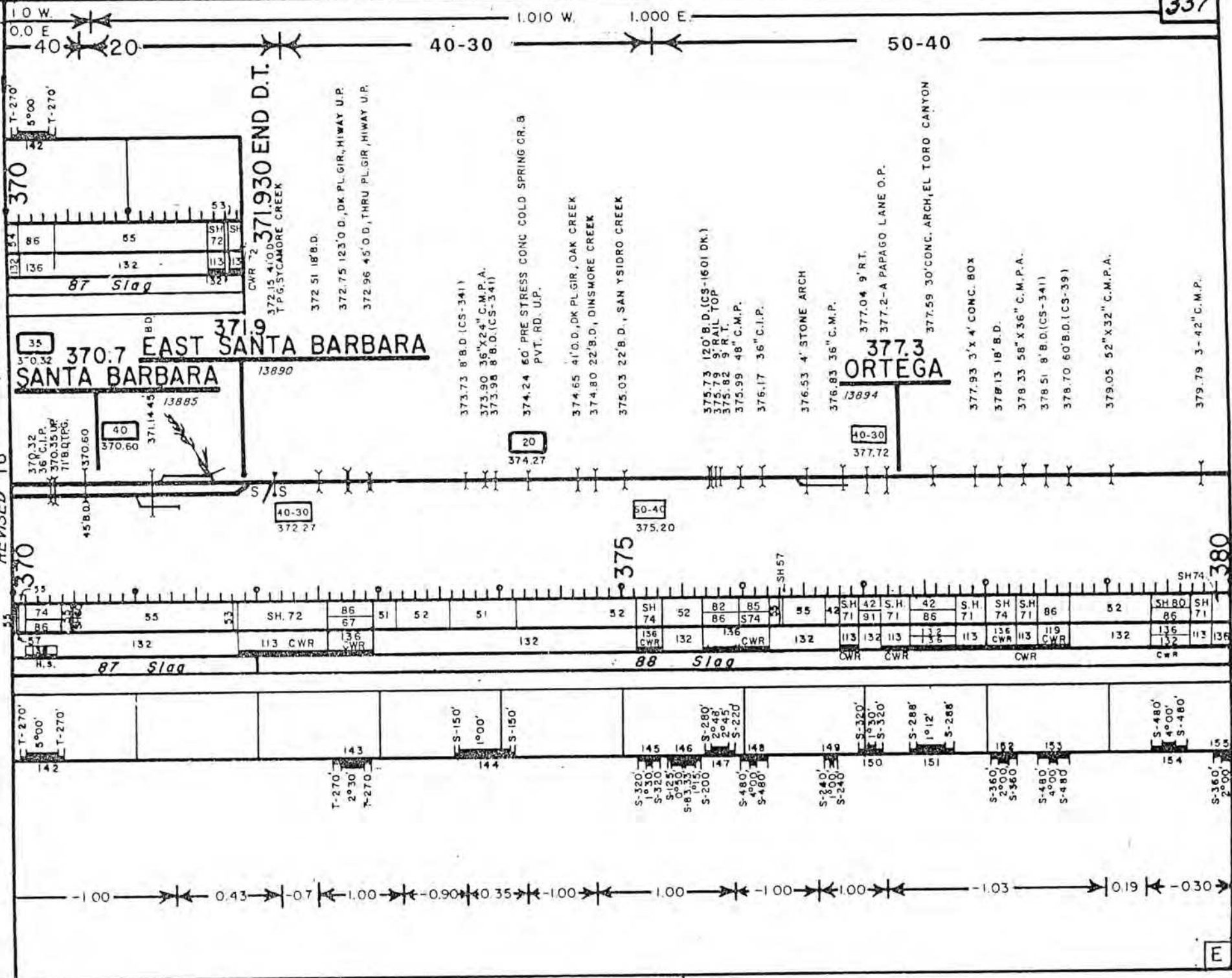
0.00

336

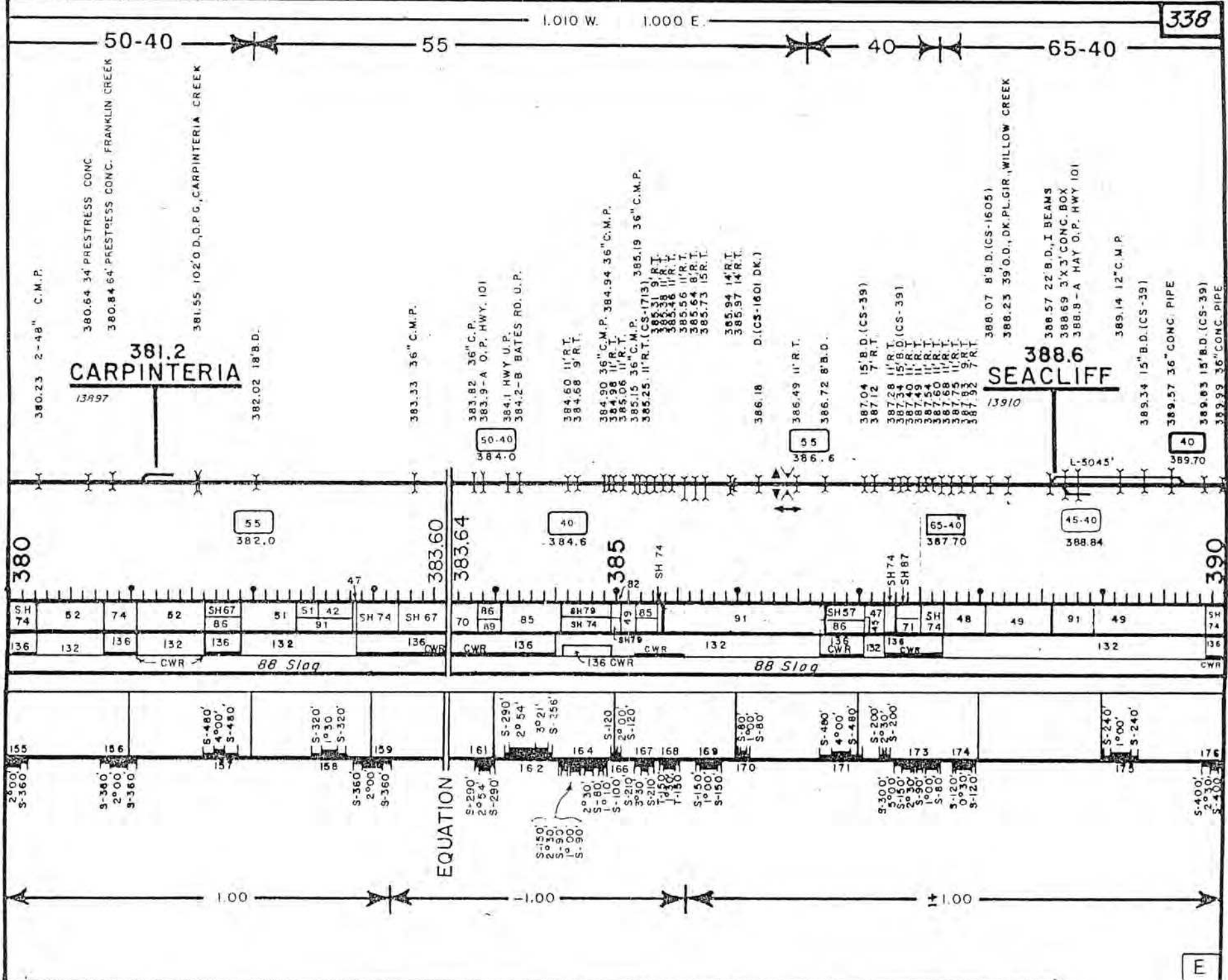


E

REVISED TO JAN 1, 1992



REVISED TO JAN 1, 1992



381.2
CARPINTERIA
 13897

388.6
SEACLIFF
 13910

383.60
EQUATION

380

390

55
 382.0

40
 384.6

65-40
 387.70

45-40
 388.84

40
 389.70

380.23 2-48" C.M.P.

380.64 34' PRESTRESS CONC.
 380.84 64' PRESTRESS CONC. FRANKLIN CREEK

381.55 102' O.D., P.G., CARPINTERIA CREEK

382.02 18" B.D.

383.33 36" C.M.P.

383.82 36" C.P.
 383.9-A O.P. HWY. 101
 384.1 HWY U.P.
 384.2-B BATES RD. U.P.

384.60 11" R.T.
 384.68 9" R.T.
 384.90 36" C.M.P. 384.94 36" C.M.P.
 384.98 11" R.T.
 385.06 11" R.T.
 385.15 36" C.M.P.
 385.25 11" R.T. (CS-1713) 385.19 36" C.M.P.

385.31 9" R.T.
 385.38 11" R.T.
 385.46 11" R.T.
 385.56 11" R.T.
 385.64 8" R.T.
 385.73 15" R.T.
 385.94 14" R.T.
 385.97 14" R.T.

386.18 D. (CS-1601 DK.)

386.49 11" R.T.

386.72 8" B.D.

387.04 15" B.D. (CS-39)

387.12 7" R.T.

387.28 11" R.T.

387.34 15" B.D. (CS-391)

387.40 11" R.T.

387.49 11" R.T.

387.54 11" R.T.

387.60 11" R.T.

387.66 11" R.T.

387.72 9" R.T.

387.78 9" R.T.

388.07 8.9 D. (CS-1605)

388.23 39' O.D., DK. PL. GIR., WILLOW CREEK

388.57 22' B.D., I BEAMS

388.69 3' X 3' CONC. BOX

388.8-A HAY O.P. HWY 101

389.14 12" C.M.P.

389.34 15" B.D. (CS-39)

389.57 36" CONC. PIPE

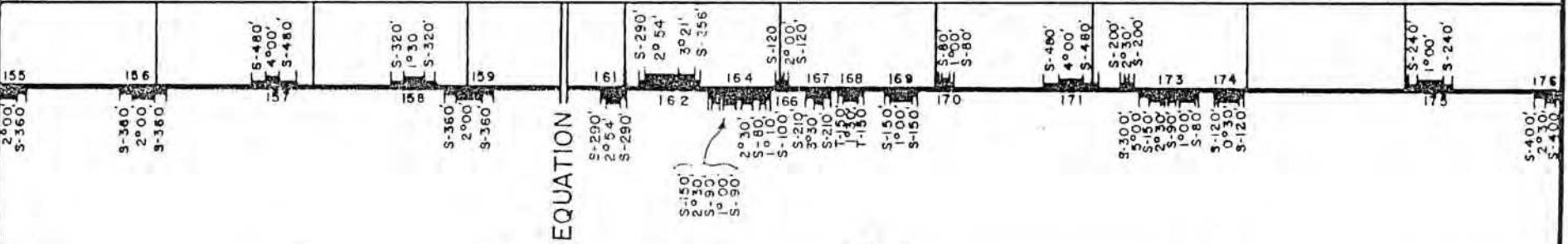
389.83 15" B.D. (CS-39)

389.99 36" CONC. PIPE

SH 74	52	74	52	SH67	51	51	42	SH 74	SH 67	70	86	85	SH79	82	85	91	SH37	47	SH74	SH87	SH 74	48	49	91	49	SH 74	5H
136	132	136	132	136	132			136	CWR	CWR	136		136	CWR	132		136	132	136	132	136	132	132	132	132	136	CWR

88 Slag

88 Slag



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1.010 W. 1.000 E. 0.409 W. 1.00 E.

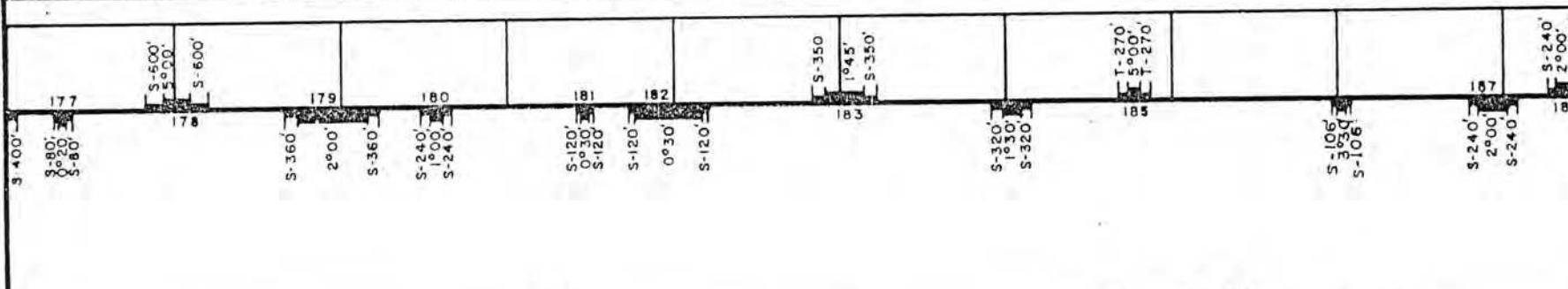
65-40 60-40 60-50 55-30 60-30
45-40 45-30

390.10 36" CONC PIPE
390.18 12'-6" PRECAST CONC.
390.36 36" CONC PIPE
390.41 36" CONC PIPE
390.58 36" CONC PIPE
390.76 36" CONC PIPE
390.79 36" CRED STAVE PIPE
390.94 8' STONE ARCH
391.49 9' RAIL TOP
391.86 30" B.D. (CS-1601 DK.)
392.16 11" R.T. (CS-1712)
392.42 4' B.D. (CS-39)
392.71 8' R.T.
392.91 2'-43" X 27" C.M.P.A.
393.12 14" R.T. (CS-1712)
393.36 15' PRECAST CONC.
393.77 25' R.T.
394.04 8' B.D. (CS-341)
394.07 8' B.D. (CS-341)
394.23 15' B.D. (CS-39)
394.69 15' B.D. (CS-39)
394.83 HIWAY OVERPASS
394.92 15' B.D. (CS-39)
395.10 15' B.D. (CS-39)
395.29 15' B.D. (CS-39)
395.64 48" CORR. METAL PIPE
395.94 15' R.T.
395.99 12' B.D.
396.11 11" R.T.
396.47 45' B.D. (CS-39)
396.61 156' THRU RIV. STEEL SPAN
NORTH FORK VENTURA RIVER
396.87 644' O.D., DK. PL GIR., VENTURA RIVER
397.43 11" R.T.
397.51 14" X 48" CONC. BOX
397.60 14" X 48" CONC. BOX
397.70 7" R.T.
397.83 OVERPASS
397.87 2'-265' B.D., THRU RIV. TRUSS,
HIWAY UNDERPASS
398.05 9' R.T.
398.4 UNDERPASS, 140' PRESTRESSED
CON. STR. SAN JUAN RD.
398.60 8' STONE ARCH
399.37 83' B.D., SEWARD AVE. UNDERPASS
399.40 18" X 29" C.M.P. ARCH

397.3 VENTURA JCT. VENTURA
398.2

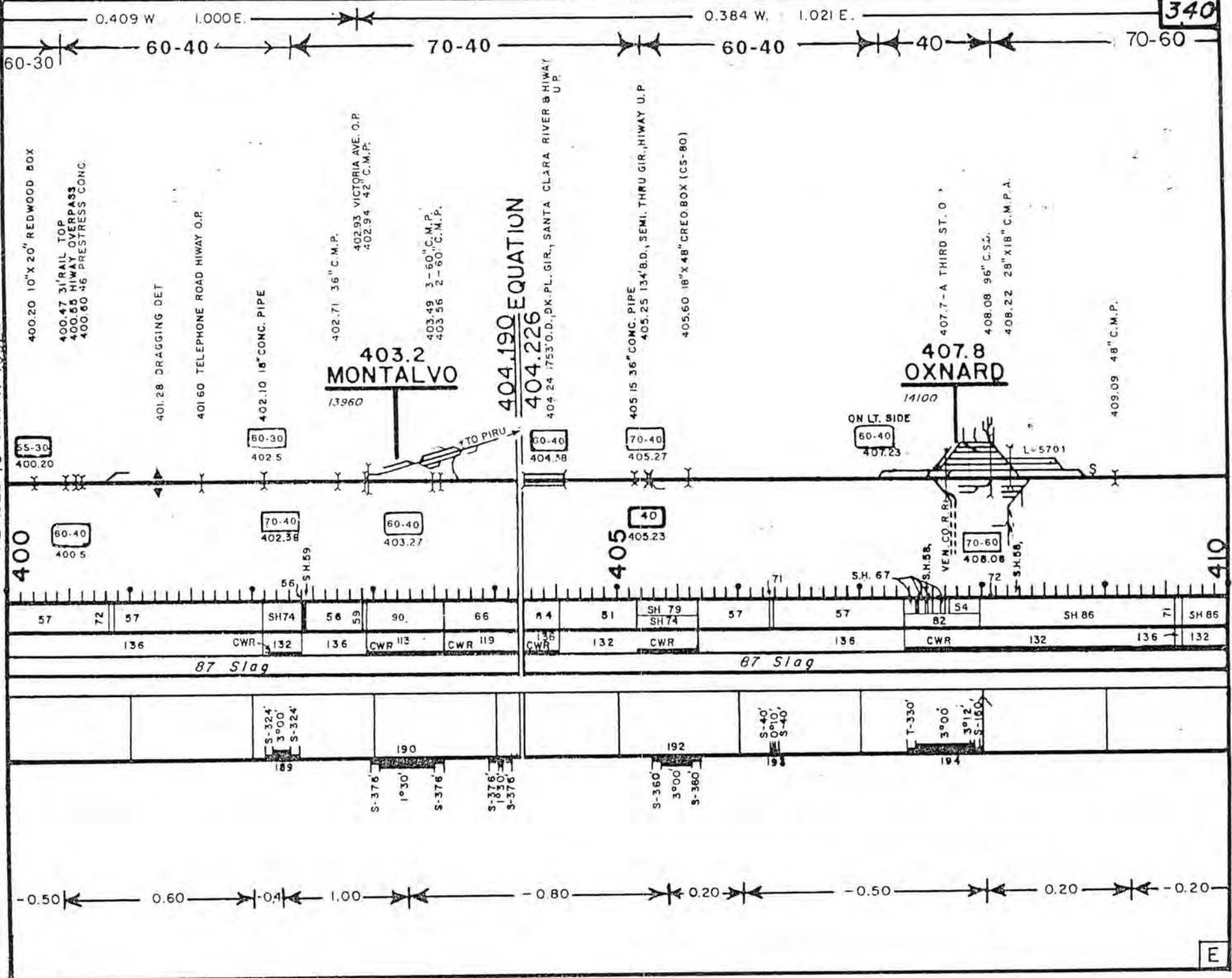
65-40 390.84
60-40 391.23
45-40 393.23
60-40 394.23
45-30 394.66
60-50 396.66
55-30 396.90
60-30 398.20
45-30 398.89

390	49	SH 76 B6	49	86 SH 79	SH 86	SH 74	48	50	SH 74	50	SH 72	49	SH 74	51	51	86	51	67	57	57
136 CWR	132	136 CWR	132 CWR	132 CWR	136 CWR	132	136 CWR	132	136 CWR	132	136 CWR	132	136 CWR	132	136 CWR	136	132	136	136	136
	88 Slag										87 Slag									



±0.90 -1.00 1.00 -0.50

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400.20 10'x20" REDWOOD BOX
 400.47 3/4" RAIL TOP
 400.55 HIWAY OVERPASS
 400.60 46" PRESTRESS CONC.

401.28 DRAGGING DET
 401.60 TELEPHONE ROAD HIWAY O.P.

402.10 18" CONC. PIPE

402.71 36" C.M.P.
 402.93 VICTORIA AVE. O.P.
 402.94 42" C.M.P.

403.2 MONTALVO
 13960

403.49 3-60" C.M.P.
 403.56 2-60" C.M.P.

404.190 EQUATION
404.226

404.24 1753' O.D. DK. PL. GIR., SANTA CLARA RIVER & HIWAY U.P.

405.15 36" CONC. PIPE
 405.25 134' B.D., SEMI. THRU GIR., HIWAY U.P.

405.60 18"x48" CREO. BOX (CS-80)

407.8 OXNARD
 14100

407.7 - A THIRD ST. O
 408.08 96" C.S.L.
 408.22 28" x 18" C.M.P.A.

409.09 48" C.M.P.

55-30
 400.20

60-30
 402.5

60-40
 404.58

70-40
 405.27

ON LT. SIDE
 60-40
 407.23

400
 60-40
 400.5

70-40
 402.38

60-40
 403.27

405
 40
 405.23

70-60
 408.08

410

57	72	57	SH 74	58	59	90	66	44	51	SH 79 SH 74	57	57	54	SH 86	71	SH 86
136			CWR	132	136	CWR 113	CWR 119	CWR	132	CWR	136	CWR	132	136	136	132
87 Slag								67 Slag								

S-324'
 3'00'
 S-324'

S-376'
 1'30'
 S-376'

S-376'
 1'30'
 S-376'

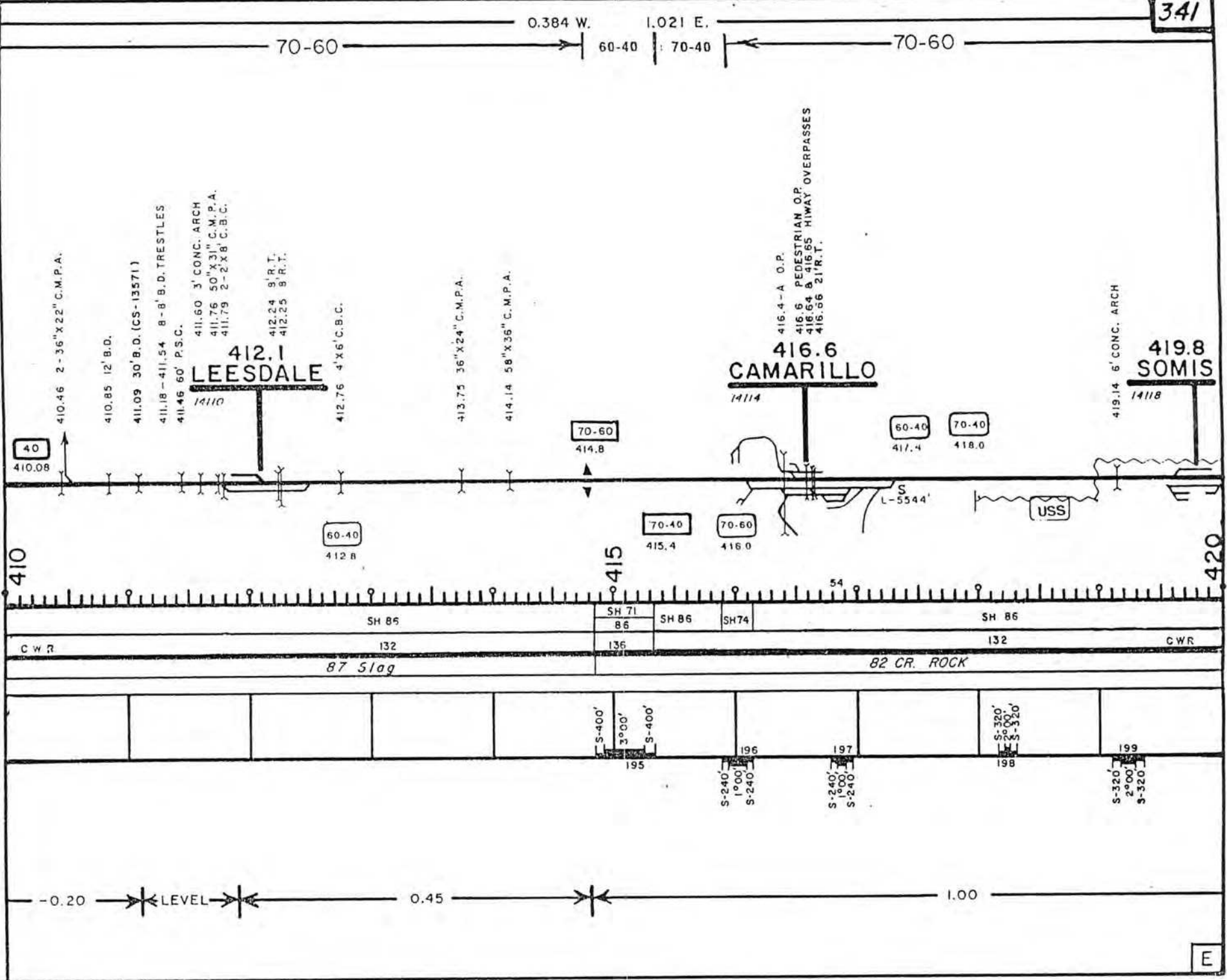
S-360'
 3'00'
 S-360'

S-40'
 0'10'
 S-40'

T-330'
 3'00'
 3'12'
 S-160'

-0.50 0.60 0.4 1.00 0.80 0.20 0.50 0.20 0.20

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342

0.384 W. 1.021 E

70-60

50

65-60

420.51 19' X 10' CONC. BOX

421.18 7' X 10' CONC. BOX
421.37 36" C.P.
421.51 36" C.P.
421.66 12' CONC. ARCH

422.40 22' CONC. ARCH

423.16 90" C.M.P.

423.94 90' P.S.C. GRIMES CANYON

425.21 36" C.M.P.
425.34 22' B.D.

425.67 8' X 10' C.B.C.

427.1 MOORPARK
14122

427.41 4' X 4' C.B.C.

427.70 211' B.D. (CS-39), ARROYO SIMI
(1ST. XING)

428.15 211' B.D. (CS-39) 2ND XING. ARROYO SIMI

428.63 151' B.D. (CS 39) 3RD XING ARROYO SIMI
60' P.S. CONC. E. APPR.

429.03 36" C.I.P.

429.26 146' B.D. (CE-17902), 4TH XING ARROYO SIMI
60' P.S.C

429.88 48" C.I.P.

US5

US5

L-4912

50
427.4

70-60
429.4

65-60
429.9

420

425

430

SH 86	SH 74 79	SH 86	SH 86	79	SH 86	SH 86	SH 86	SH 72	SH 86	SH 74	SH 86	84	
CWR	132			36	132			CWR	136	132	136 CWR	132	136 CWR

82 CR. ROCK

CWR

S-360
2'00"
S-360

S-240
1'00"
S-240

S-370
2'00"
S-370

S-360
2'00"
S-360

S-369
2'00"
S-369

S-300
2'00"
S-300

S-240
1'00"
S-240

S-480
4'00"
S-480

200

201

202

203

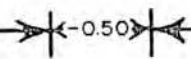
204

205

206

207

1.00



1.00

E

0.384 W. 1.021 E.

65-60

70-60

70-40

60-40

REVISED TO: JAN 1, 1992

- 430.23 48" CAST IRON PIPE
- 430.36 36" CAST IRON PIPE
- 430.59 36" CAST IRON PIPE
- 430.76 8' STONE ARCH
- 431.09 44" B.D.
- 431.29 8' STONE ARCH
- 431.42 48" CAST IRON PIPE
- 431.57 22" B.D. (CS-1600 TYPE)
- 431.73 36" CAST IRON PIPE
- 431.90 10' STONE ARCH
- 432.20 MADERA RD. O.P.
- 432.42 8" B.D. (CS-341)
- 432.65 8" B.D. (CS-341), CATTLE PASS
- 432.74 36" x 58" CMP
- 433.08 10' x 6' CONC. BOX
- 433.57 8" B.D. (CS-1605)
- 433.91 8" B.D. (CS-1605)
- 434.12 9" RAIL TOP
- 434.25 8" C.P.
- 434.55 8" B.D. (CS-341)
- 434.89 8" B.D. (CS-341)
- 435.27 8" B.D. (CS-341)
- 435.58 45' P.S.C. TOPAC CREEK
- 436.46 9" R.T.
- 436.56 9" R.T.
- 436.96 9" R.T.
- 437.34 60" C.P.
- 437.79 6" x 16" C.B.C.
- 438.40 18" B.D. C.M.P.A.
- 438.41 8" x 12" C.M.P.A.
- 438.62 18" B.D.
- 438.89 18" B.D.
- 439.09 6" STONE ARCH
- 439.20 96" C.I.P.
- 439.27 36" CAST IRON PIPE
- 439.20 DRAGGING DET.
- 439.27 36" CAST IRON PIPE
- 439.75 18" B.D.

433.5
SIMI

437.5
SANTA SUSANA

436.8
SIMI VALLEY

SIMI VALLEY
(AMTRAK - METRO)
-437.0

50

65-60

70-40

70-40

25

70-60

70-40

60-40

430

435

440

SH 74

SH 86

84

SH 84

84

71

67

84

136 CWR

132 CWR

136 CWR

136 CWR

82 CR. ROCK

208

210

211

212

213

214

215

216

217

S-360
2°00'

S-360
2°00'

S-400
2°00'

S-360
2°30'

S-360
2°00'

S-360
2°00'

S-360
2°00'

S-360
2°00'

S-400
3°00'

S-400

S-320'
1°30'

S-320'

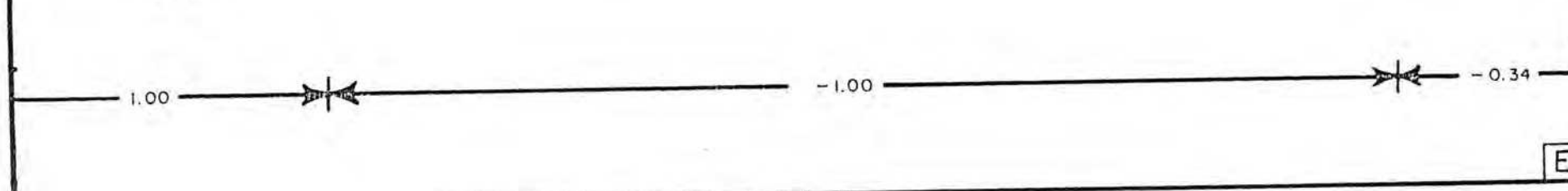
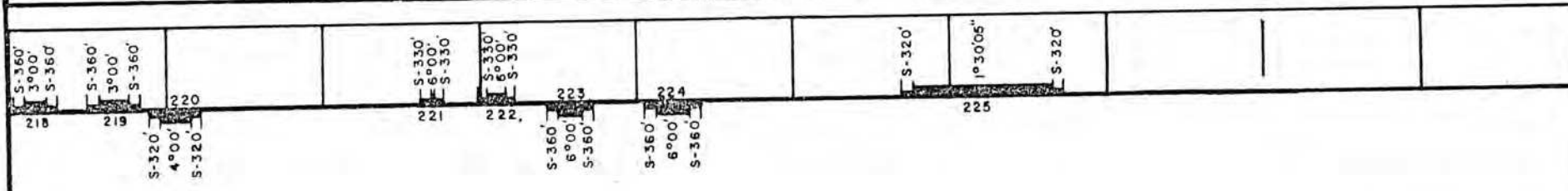
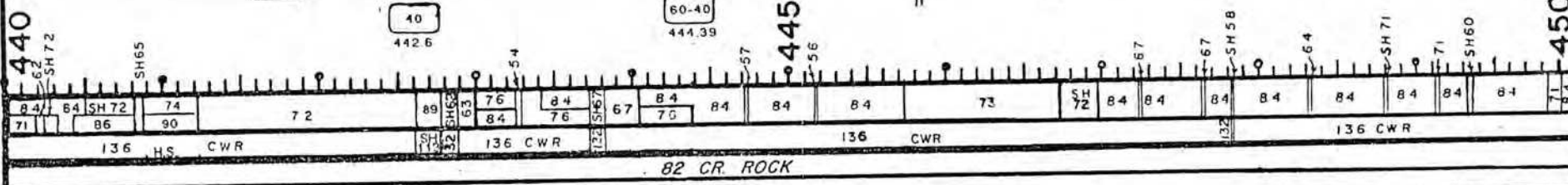
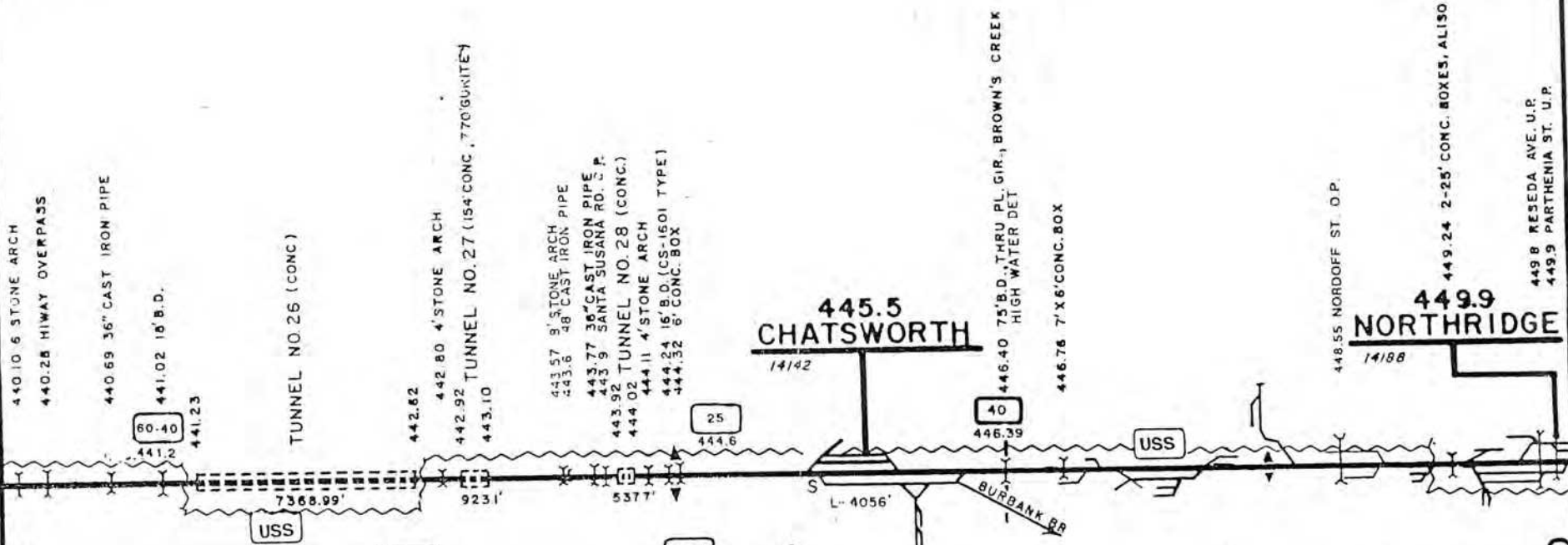
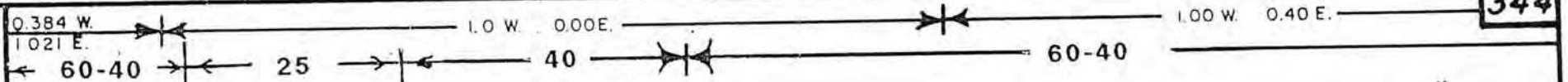
S-300'
2°00'

S-300'

1.00

SANTA BARBARA DIST.- M.W. FLOWERS ROADMASTER

TERMINAL DIST.- J.W. SMITH- ROADMASTER



REVISED TO JAN 1, 1992

REVISED TO: JAN 1, 1992

1.00 W. 0.40 E.

60-40

VAN NUYS
(AMTRK-METRO)

GEMCO

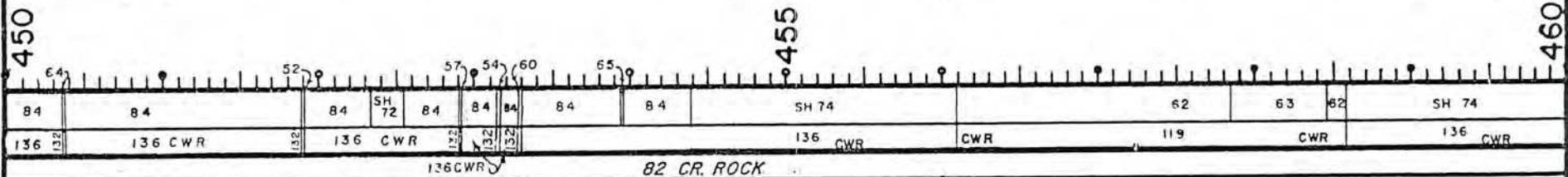
450.92 20' B.D.
 451.29 HOT BOX DET.
 451.90 7-1/2 X 9' CONC. BOX
 452.01 82' O.D., THRU PL GIR, BULL CREEK
 452.10 9' R.T.
 452.33 L.A. AQUEDUCT
 452.81 8' B.D. (CS-341)
 453.0 PED. O.P.
 453.21 15' B.D. (CS-1601 DK.)
 453.42 8' B.D. (CS-341)
 453.43 5' B.D. (CS-1601)
 453.44 L.A. AQUEDUCT
 453.52 FREEWAY OVERPASS
 453.86 8' B.D. (CS-1605)
 453.90 SEPULVEDA U.P.
 454.42 - DOUBLE 30' P.S.C.
 455.0 VAN NUYS BLVD. U.P.
 456.02 102' B.D. W.F. BEAMS, WOODMAN AVE. U.P.
 456.27 8' X 15' CONC. BOX PANORAMA DRAIN
 456.28 77' B.D. DK. PL. GIR., TUJUNGA WASH
 456.54 48" CONC. PIPE
 457.03 L.A. AQUEDUCT
 457.17 2-36" C.M.P.
 457.55 HOLLYWOOD FWY. U.P.
 458.2 114' B.D., BEAMS, LAUREL CANYON U.P.
 458.3 SHERMAN WAY U.P.
 458.57 90' B.D. THRU CONT. TYPE GIR. LANK U.P.
 458.71 15' B.D. (CS-39)
 459.61 48" C.M.P.

452.5
LA METRO
14192

454.1
RAYMER
14196

456.1
GEMCO
14200

458.4
HEWITT
14210



NO CURVES



REVISED TO: JAN 1, 1992

