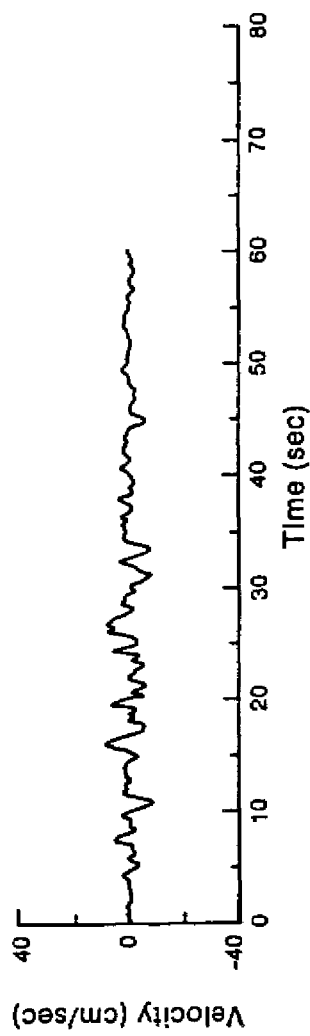
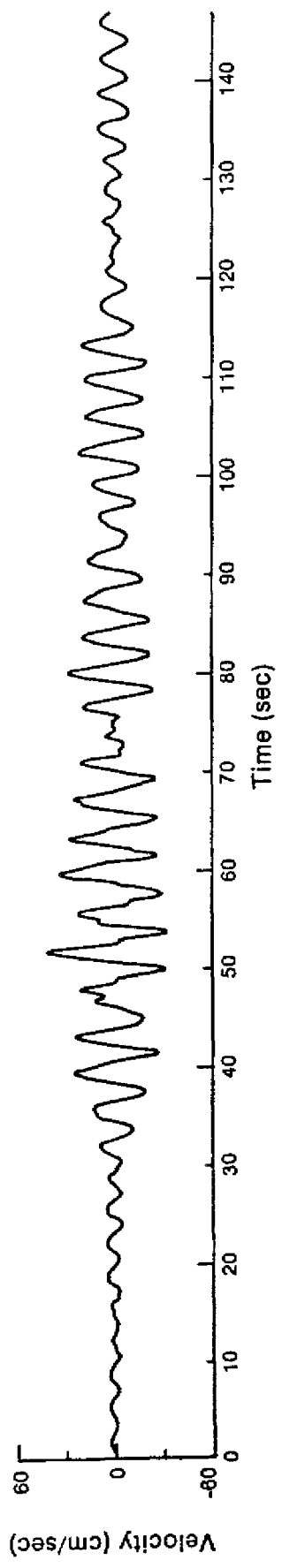


FIGURE 7-5 Reported Failures Along Steel Pipelines In Ciudad Nezahualcoyotl (E.de.M.) in 1985



a) Ciudad Universitaria - Lab. (Hill Zone)



b) Central de Abastos - Oficinas (Lake Zone)

FIGURE 7-7 East-West Velocity Time Histories In Hill And Lake Zones Of Mexico City - 1985 Michoacan Earthquake

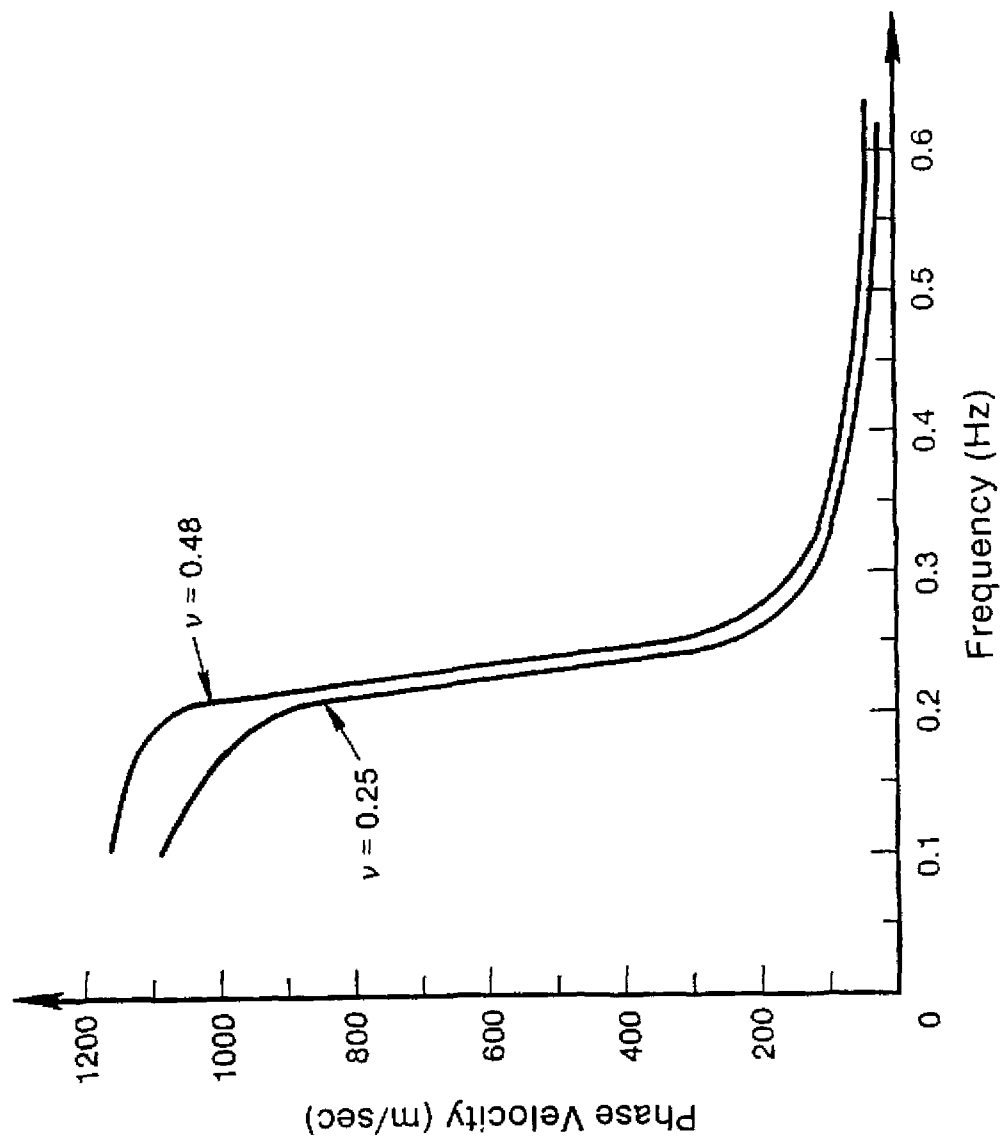


FIGURE 7-8 R-wave Dispersion Curve For Ciudad Nezahualcoyotl Site

TABLE 7-I Calculation Of Soil Strain Vs. Quarter Wavelength Separation Distance
For Ciudad Nezahualcoyotl Site

Frequency f (hz)	Phase Velocity C (m/sec)	Wavelength $\lambda = C/f$ (m)	Quarter Wavelength Separation Distance $L = \lambda/4$ (m)	Soil Strain $\epsilon_s = v_{\max}/C$
0.15	1140	7600	1900	.0003
0.20	1110	5550	1388	.0003
0.25	330	1320	330	.00105
0.30	137	456	114	.0025
0.35	107	306	76.5	.00325
0.40	91.6	229	57	.0038