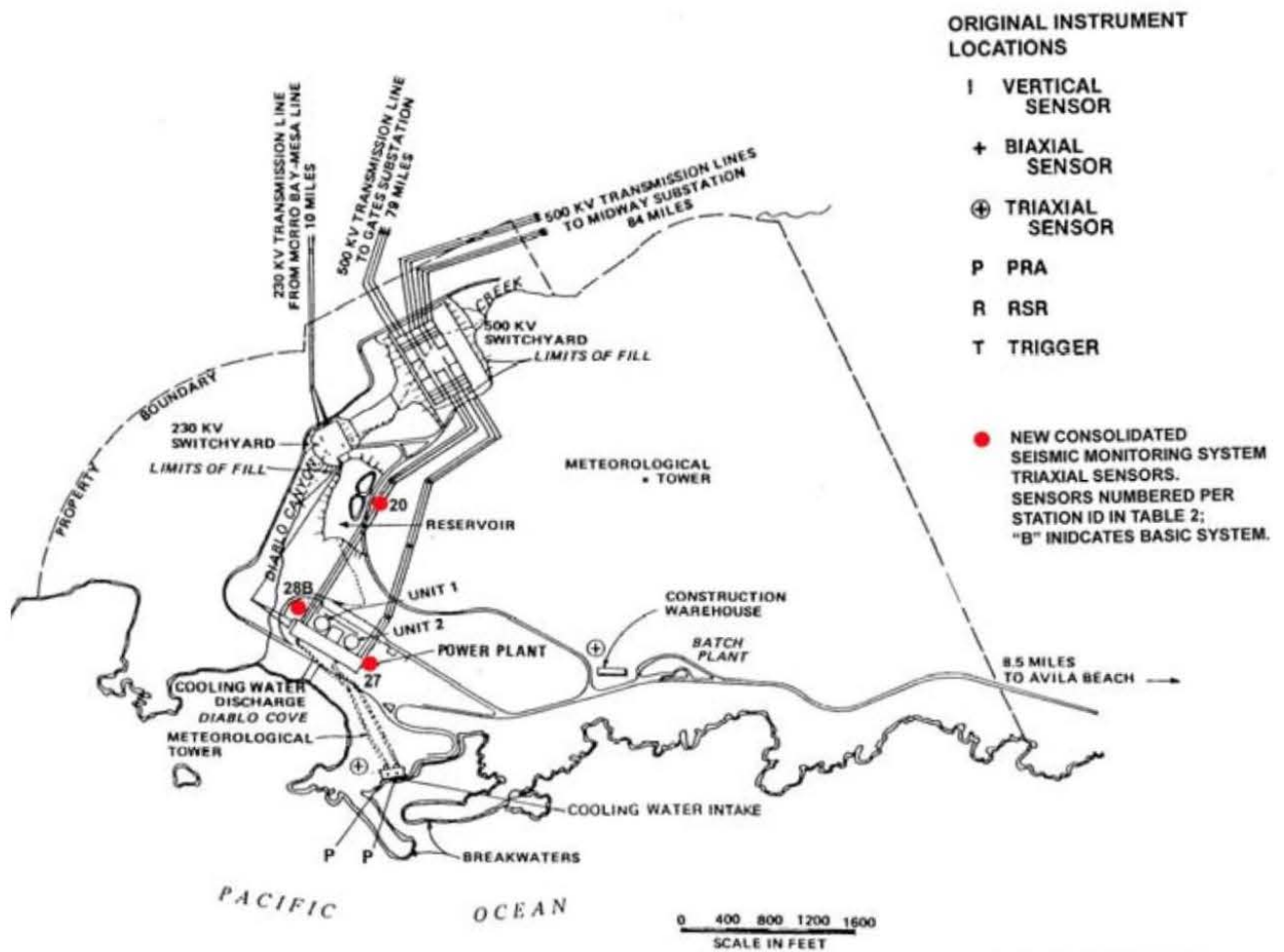


File path: S:\1005051\Figures\Norm\Figures_TR14_06\Figure_3-01.ai; Date: 08/01/2014; User: Alex Renar, LCI



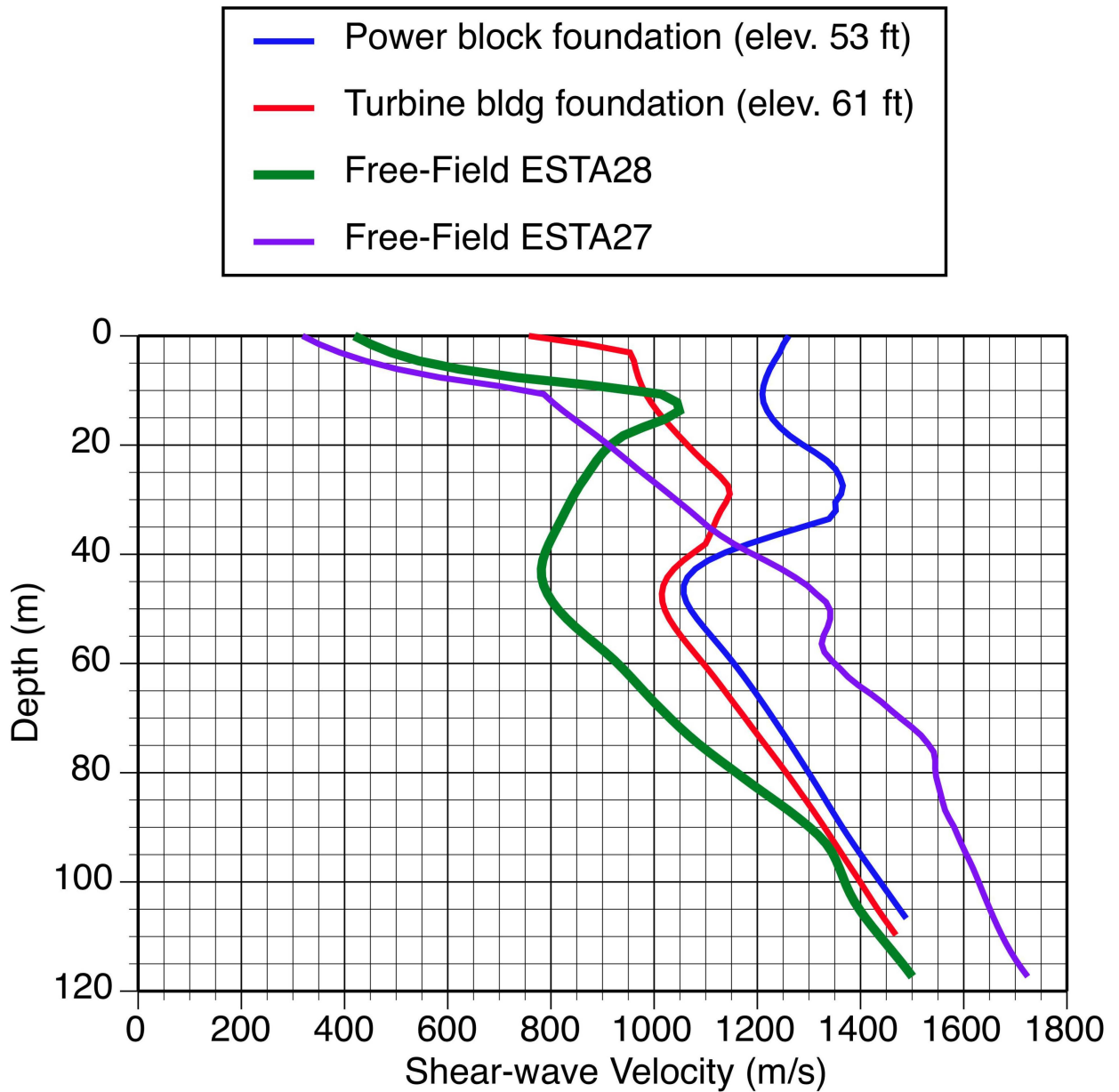
Locations of the Free-Field Ground-Motion Stations at the DCPP

SITE CONDITIONS EVALUATION



Pacific Gas and Electric Company

Figure 3-1



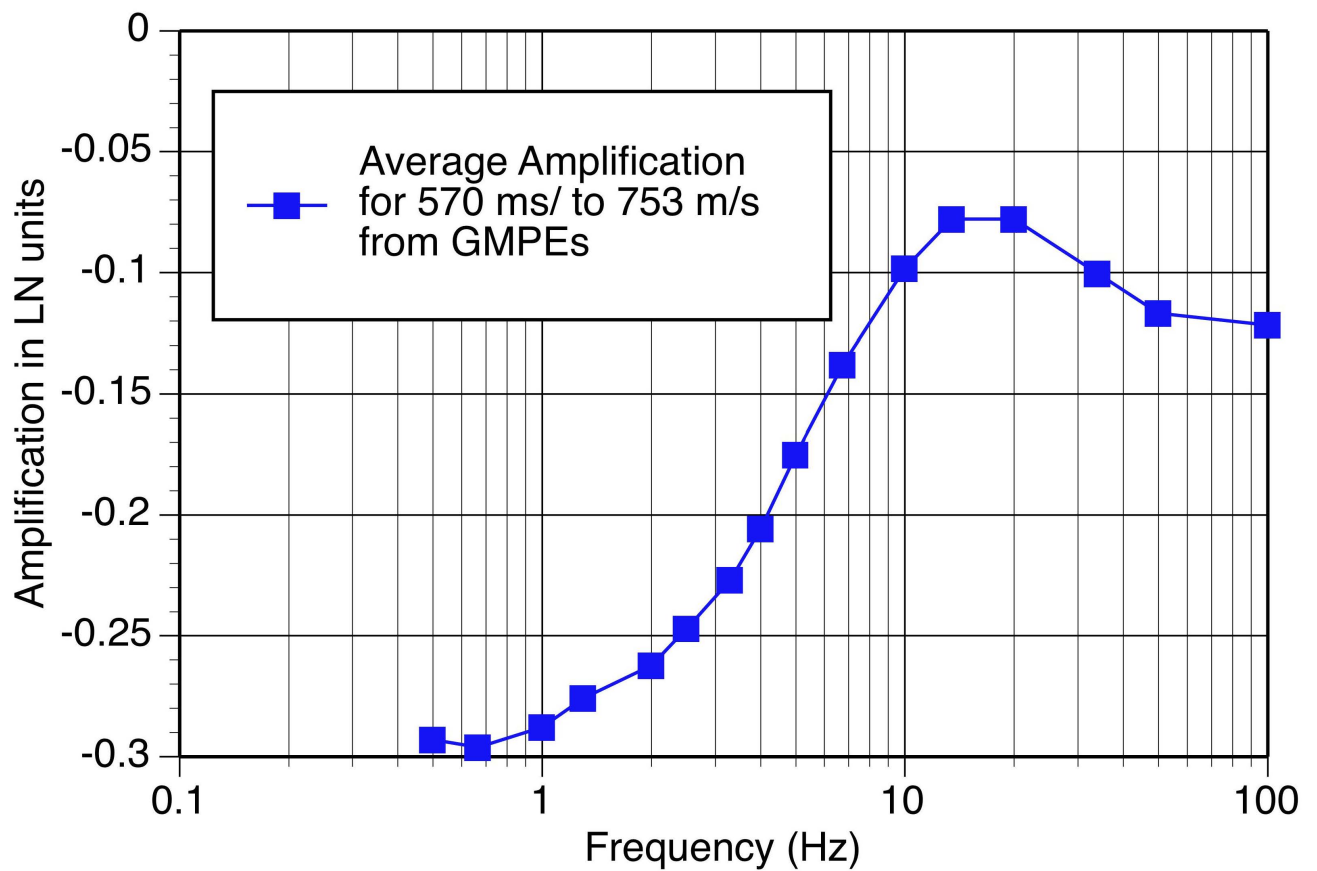
Comparison of the Mean
Shear-Wave Velocity Profiles

SITE CONDITIONS EVALUATION



Pacific Gas and Electric Company

Figure 3-2



Factor to Correct for the Differences in the VS30 Values at ESTA27 and ESTA28 Based on the VS30 Scaling in the NGA-West2 GMPEs

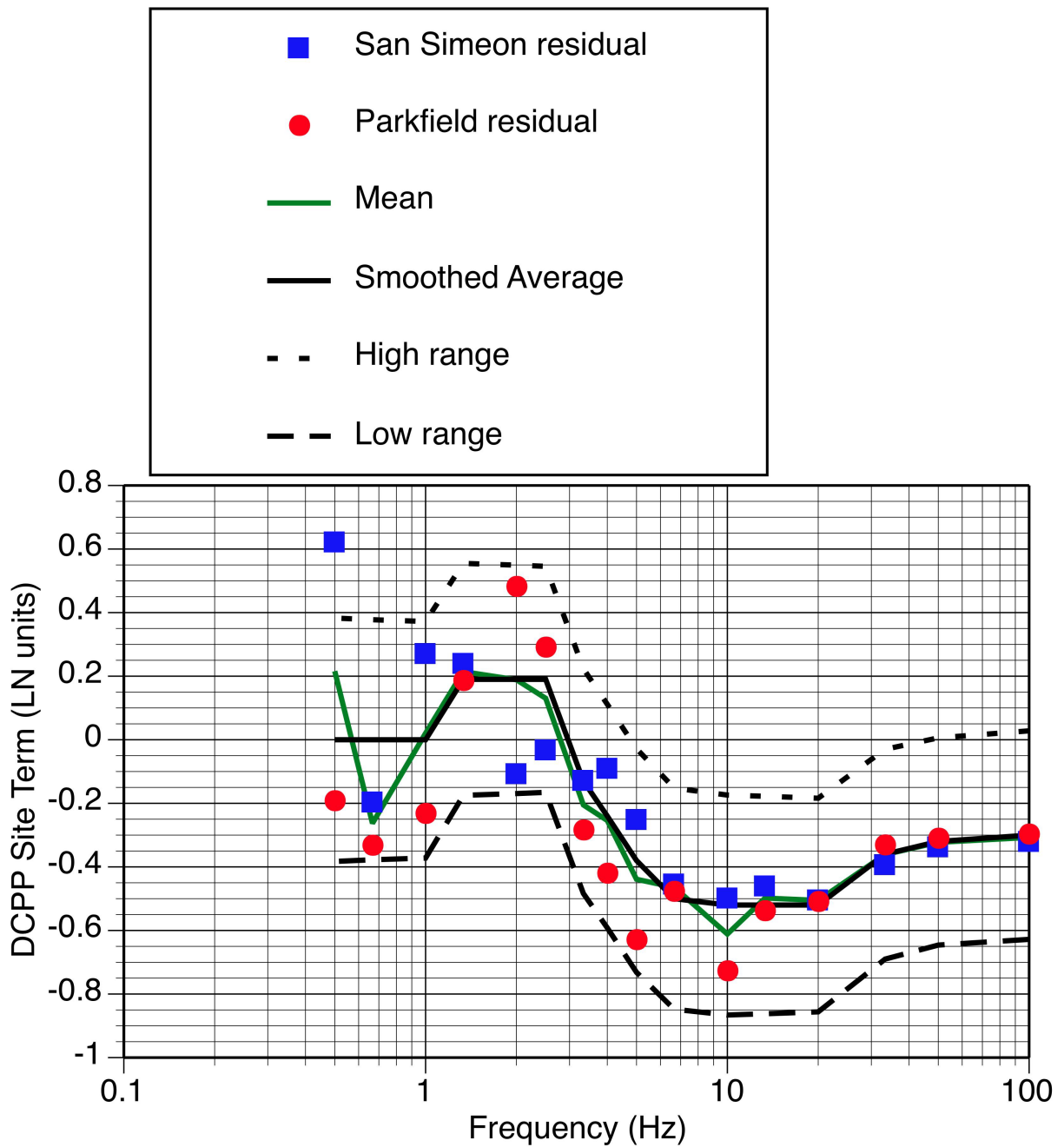
SITE CONDITIONS EVALUATION



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Figure **3-3**

File path: S:\1005051\Figures\Norm\Figures_TR14_06\Figure_3-04.ai; Date: 08/01/2014; User: Alex Remar, LCI



Note: Epistemic uncertainty (5% and 95% confidence levels) is shown by the dashed lines.

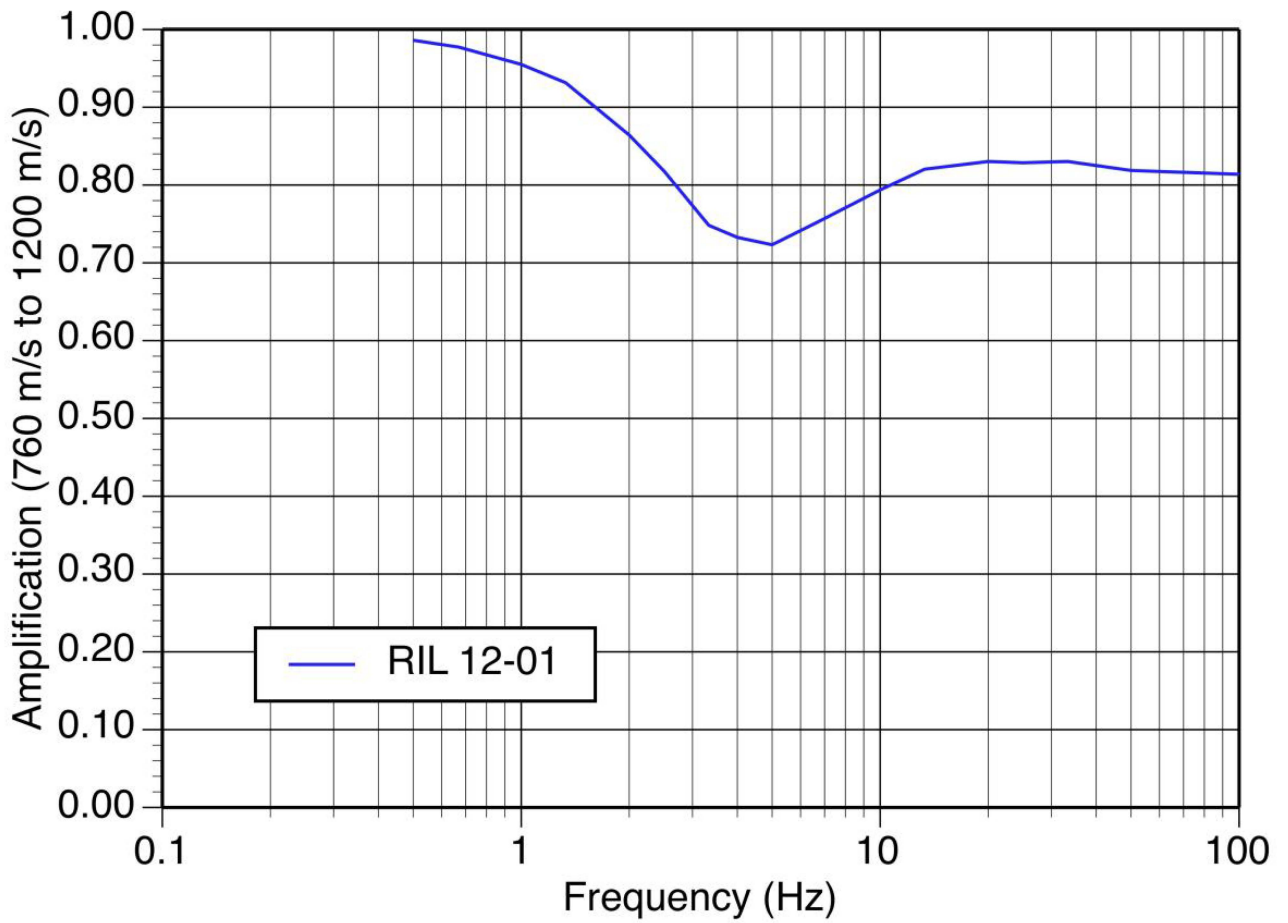
Mean Event-Specific Residuals for the DCP
Relative to the ESTA28 Reference Rock Site
Condition with VS30 = 750 m/s

SITE CONDITIONS EVALUATION



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Figure 3-4



Site Amplification (760–1200 m/s) Given in
RIL 12-01 (from Table 5-7 in NRC, 2012)

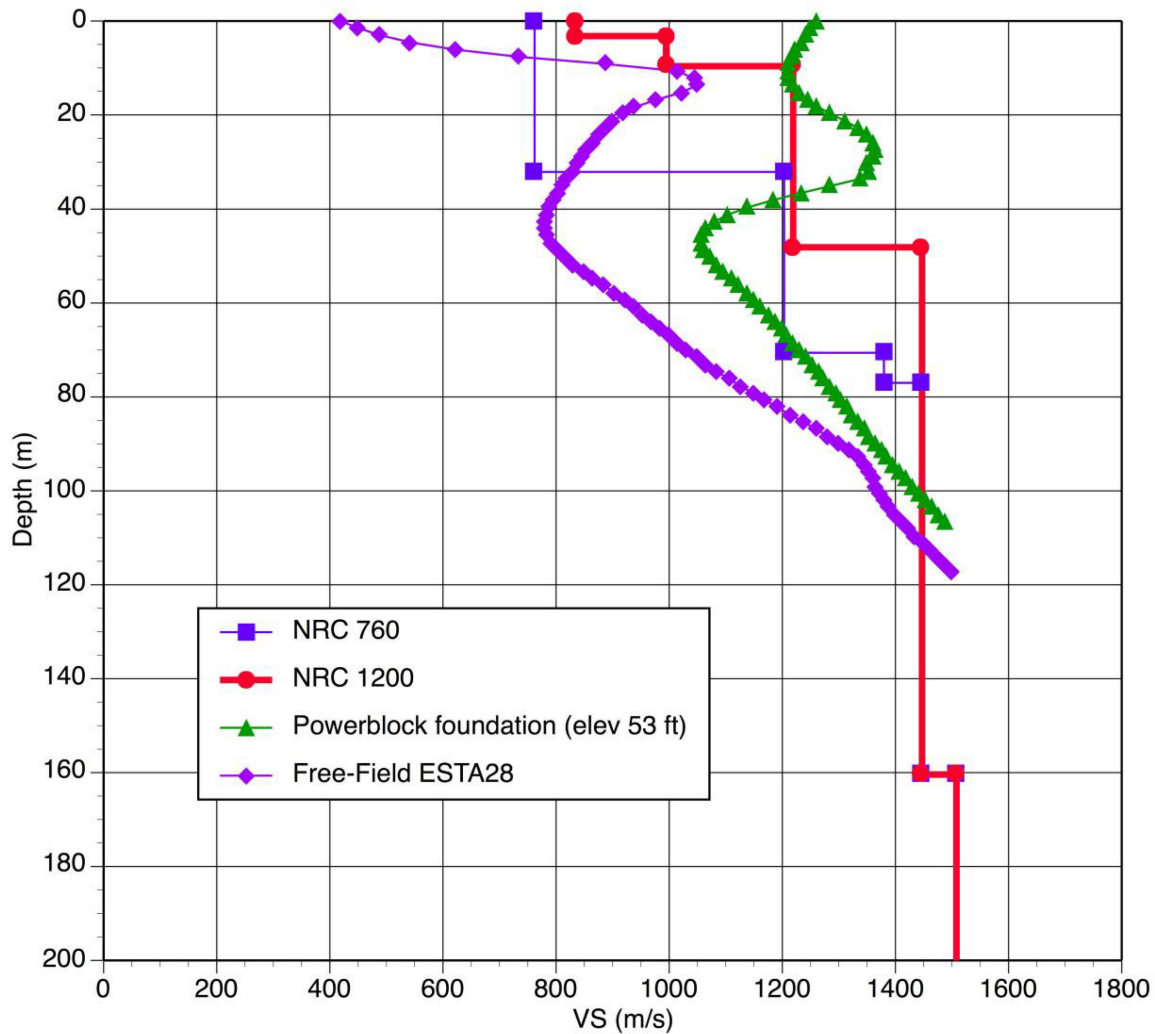
SITE CONDITIONS EVALUATION



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Figure **3-5**

File path: S:\10051051\Figures\Norm\Figures_TR14_06\Figure_3-06.ai; Date: 08/01/2014; User: Alex Renar, LCI



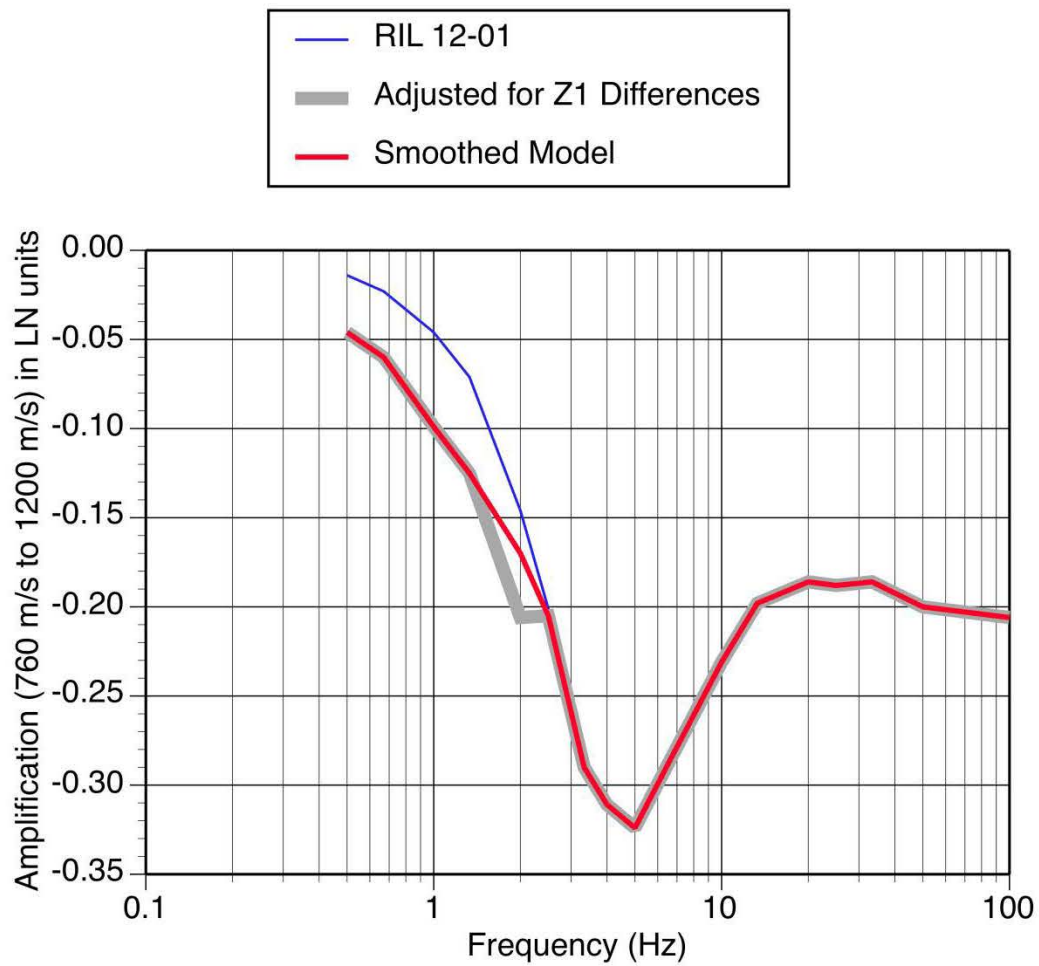
Comparison of the Velocity Profiles Used to Compute the Amplification from 760 m/s to 1200 m/s Used in the RIL 12-01 (NRC 760 and NRC 1200) with the Updated Site-Specific Velocity Profiles from PGEQ-PR-16 for the Reference Free-Field Site (ESTA28, $V_{S30} = 750$ m/s) and the Power Block Foundation ($V_{S30} = 1260$ m/s)

SITE CONDITIONS EVALUATION



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Figure 3-6



**Site Amplification (760–1200 m/s)
Including the Adjustment for Z₁ Differences**

SITE CONDITIONS EVALUATION



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Figure **3-7**