

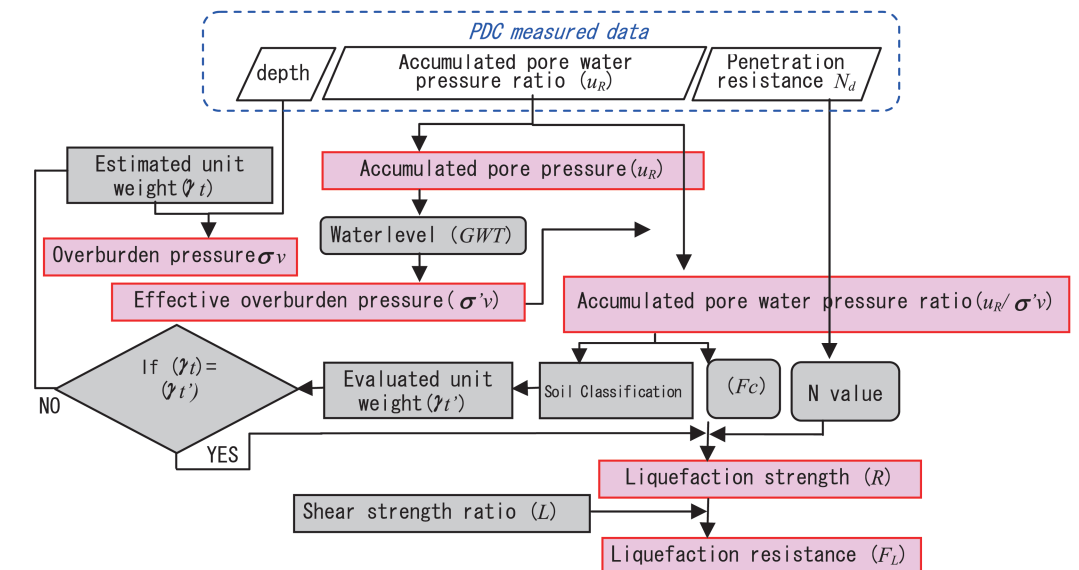
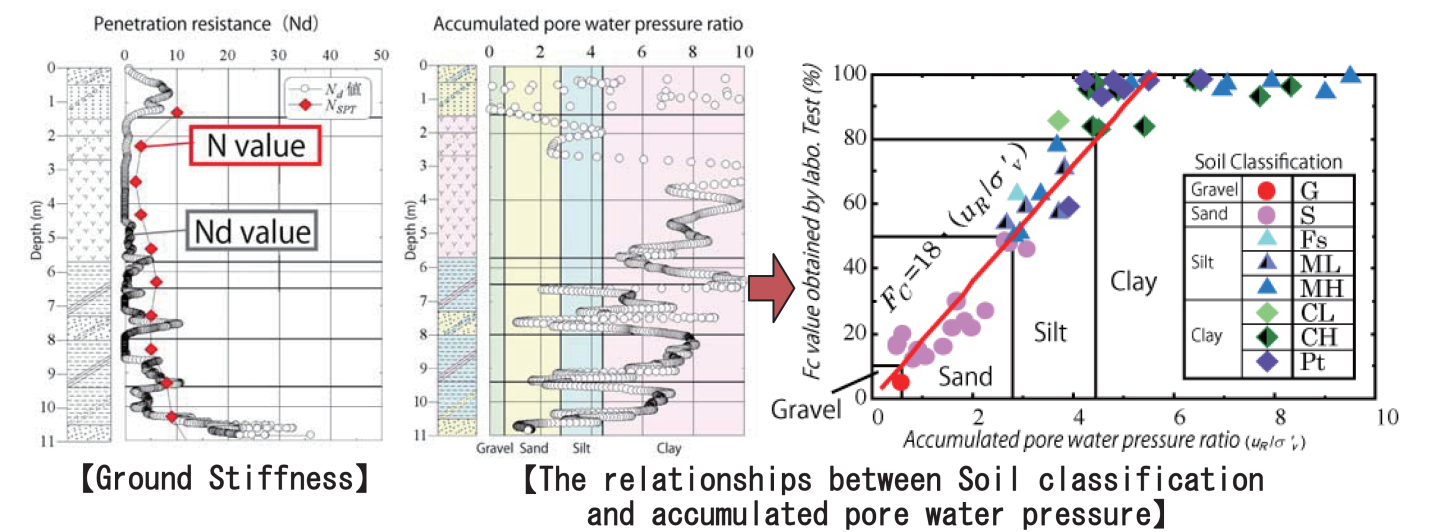
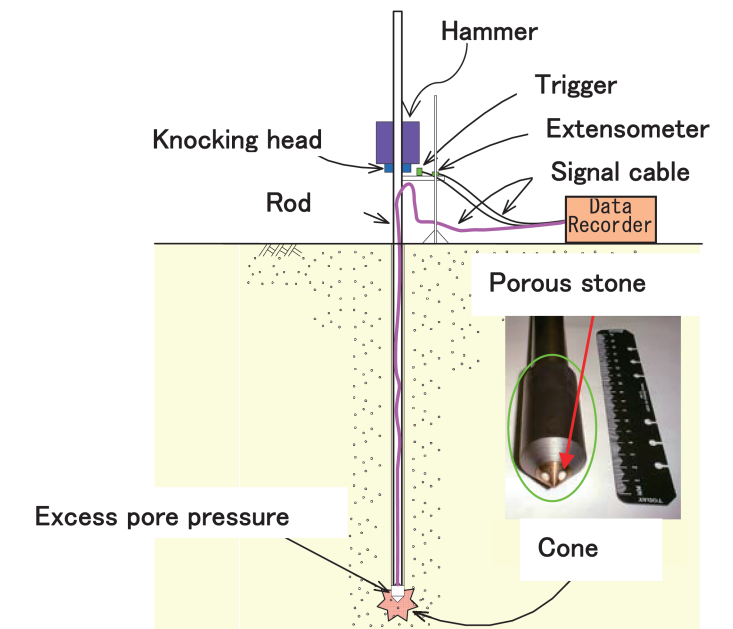
【Damage of the landfilled land in Sendai City】

Source: Webpage of Sendai City

<http://www.city.sendai.jp/soumu/kouhou/bousai/0311jishin/higaizyoukyou.pdf>

【Proposed Technology】⑤In-situ liquefaction potential evaluation device  
— Piezo Drive Cone —

- PDC (Piezo Drive Cone) can measure grain size of the soil in-situ in short time.
- PDC measures pore pressure during penetrating PDC into the ground. Therefore, PDC can acquire the ground water level and soil property, not only N value, to estimate the liquefaction potential continuously to the certain depth.



【Liquefaction Evaluation Flow Chart】