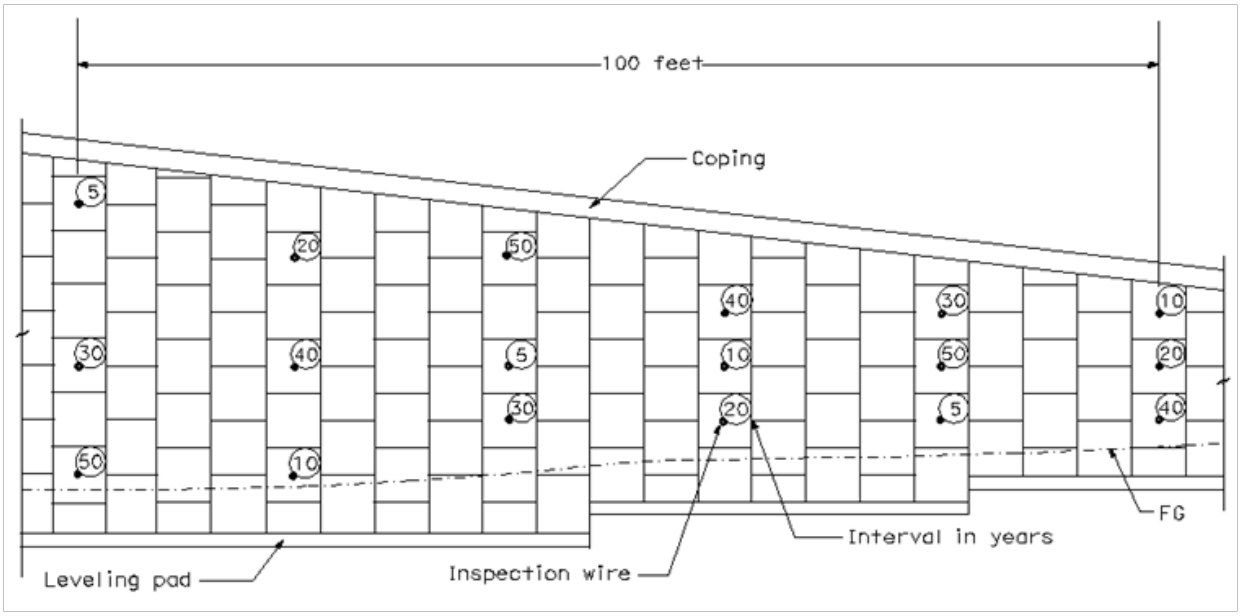
Attachment 4

Inspection Rod Array

Unlike most other types of retaining walls, the load carrying members of an MSE are the soil reinforcement mats buried in the embankment material where they cannot be inspected over the life of the facility or after seismic events. Inspection wires are made of the same galvanized steel as the soil reinforcement and installed at the same time within the embankment materials, but are sized small enough to be removed for inspection periodically or when otherwise needed. They should be located near the center of precast panels that will still be accessible after final grading and installation of all barriers, fences, signs, etc.

A set of 18 inspection wires is required for every section of MSE at least 100 feet long with a height equal to or greater than 17 feet. Sets should be located approximately 500 feet apart, along the LOL of any one MSE. Distribute the wires relatively even from top to bottom of the exposed face. Place wires in every fourth panel column along the LOL (20 feet apart) and number them according to the typical layout as shown here. In MSE that are not sized large enough to accommodate this typical layout, place at least one row of 6 wires along the LOL and number according to the top row of the typical layout shown below.