



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE SECRETARY
Manila

097.13 DPWH
11-24-2015

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DEPARTMENT ORDER)
NO. 177)
Series of 2015)

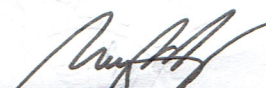
**SUBJECT: Criteria on the Change of Foundation
for School Buildings**

Suppletory to D.O. No. 115, series of 2015, the following additional criteria on the change of foundation for school buildings are hereby prescribed:

1. If the actual soil bearing capacity of the natural ground is less than 96 kPa at depth of 1.5 meters, the depth of the isolated footing may be adjusted up to 2.0 meters, maximum.
2. If the actual soil bearing capacity did not meet the required 96 kPa soil bearing capacity, the implementing office may opt to perform but not limited to the following:
 - a. Use of micropiles
 - b. Use of driven piles
 - c. Use of bored piles
 - d. Use of mat foundation
 - e. Recommendation of the Geotechnical Consultant
3. The use of driven piles may be executed if there are no adjacent structures that may be affected in the construction of school building.
4. If the actual condition of the soil is susceptible to liquefaction, ground improvement techniques such as permeation grouting, jet grouting or compaction grouting, may be performed.

The authority for approval of the amendments in the design plans is delegated to the District Engineers, and it shall be supported with design analysis and computation. If necessary, all concerns on the review of revised design plans shall be undertaken by the Regional Offices and need not be forwarded for the approval of the Bureau of Design.

This Order shall take effect immediately.


ROGELIO L. SINGSON
Secretary

Department of Public Works and Highways
Office of the Secretary



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