A. SUMMARY OF RESULTS

Name: ___________________________ Group Number: ___ Date of Report: ____________

Exp 5 - Permeability Test

a. Description of soil: ________________________________

b. Void ratio of the soil, e: _________________

c. Dry unit weight of the soil: _________ (unit)

Coefficient of permeability at 20 °C:

d. Constant-Head, k (cm/s): ___________

e. Falling-Head, k (cm/s): ___________

Exp 7 - Maximum Dry Density Test

a. Description of soil: ________________________________

b. Compaction method (ASTM designation, name): __________________________

c. Optimum moisture content, w_{opt} (%): ______

d. Maximum dry density, γ_{max} (pcf): __________
B. GRAPHICAL REQUIREMENTS

Exp 5 - Permeability Test

a. Well annotated AutoCAD drawing of set-up, must include
   a. all relevant physical dimensions that were measured
   b. titleblock.

Exp 7 - Maximum Dry Density Test

a. Compaction curve with zero air void curve, identify the maximum dry density and optimum moisture content on the graph.