



COLLEGE OF ENGINEERING  
KASETSART UNIVERSITY  
BANGKOK 9, THAILAND.

# FIELD DENSITY TEST

APPARATUS CALIBRATION SHEET

PROJECT BANGKEN OWNER K.U. JOB NO. \_\_\_\_\_  
 LOCATION BANGKEN BORING NO. \_\_\_\_\_ SAMPLE NO. \_\_\_\_\_  
 SOIL DESCRIPTION LATERITE DEPTH \_\_\_\_\_  
 TESTED BY KITTISAK DATE 11-2-23  
 CHECKED BY CHIRAPAT DATE 11-2-23

WEIGHT OF SAND IN THE JUG AND PYCNOMETER TOP:

DETERMINATION NO.	1	2	3	AVERAGE
WT. APPARATUS + SAND gm.	7740	7740	7740	7740
WT. APPARATUS gm.	1625	1625	1625	1625
NET WT. OF SAND gm.	6115	6115	6115	6115

WEIGHT OF SAND IN THE FUNNEL:

DETERMINATION NO.	1	2	3	AVERAGE
INITIAL WT. OF APPARATUS + SAND gm.	5632	5632	5632	5632
FINAL WT. OF APPARATUS + SAND gm.	3812	3812	3814	3812.67
WT. OF SAND TO FILL FUNNEL gm.	1820	1820	1818	1819.33

WEIGHT OF JUG AND PYNOMETER TOP:

DETERMINATION NO.	1	2	3	AVERAGE
WT. OF APPARATUS + WATER gm.	5577	5575	5573	5575
WT. OF APPARATUS gm.	1625	1625	1625	1625
WT. OF WATER gm.	3952	3950	3948	3950
VOLUME OF WATER IN CONTAINER, gm.	3952	3950	3948	3950

$$\text{DENSITY OF SAND} = \frac{\text{NET WT. OF SAND}}{\text{VOLUME OF WATER IN CONTAINER}} = \frac{6115}{3950} = 1.548 \text{ gm/cc.}$$

$$= 96.64 \text{ pcf.}$$

REMARK: