



REPUBLIC OF THE PHILIPPINES  
MINISTRY OF PUBLIC WORKS AND HIGHWAYS  
OFFICE OF THE MINISTER  
MANILA

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Minister's Order  
No. **39**  
Series of 1984

SUBJECT: Age-strength Relationship  
of Locally Produced Concrete

TO: All Officials  
Others Concerned  
This Ministry

The age-strength relationship of concrete which has been cured at different periods of time is illustrated by the two curves in the attached sheet. Curve A depicts concrete cured from 0 to 7 days. It is representative of strength development of concrete in structures. Curve B is for continuously cured concrete. It may be used in the acceptance of concrete where the control specimens are cured by the standard procedure.

The age-strength relationship was developed from a year long research conducted by the Bureau of Materials and Quality Control. Ten (10) different sets of sources of fine and coarse aggregates and different brands of locally produced Portland Cement, Type I, were used in the research.

These curves should be used, when necessary, to obtain age-strength relationship of locally-produced concrete where the cement is the ordinary Type I, instead of the curve in the BPH Materials Manual, 1961 Edition.

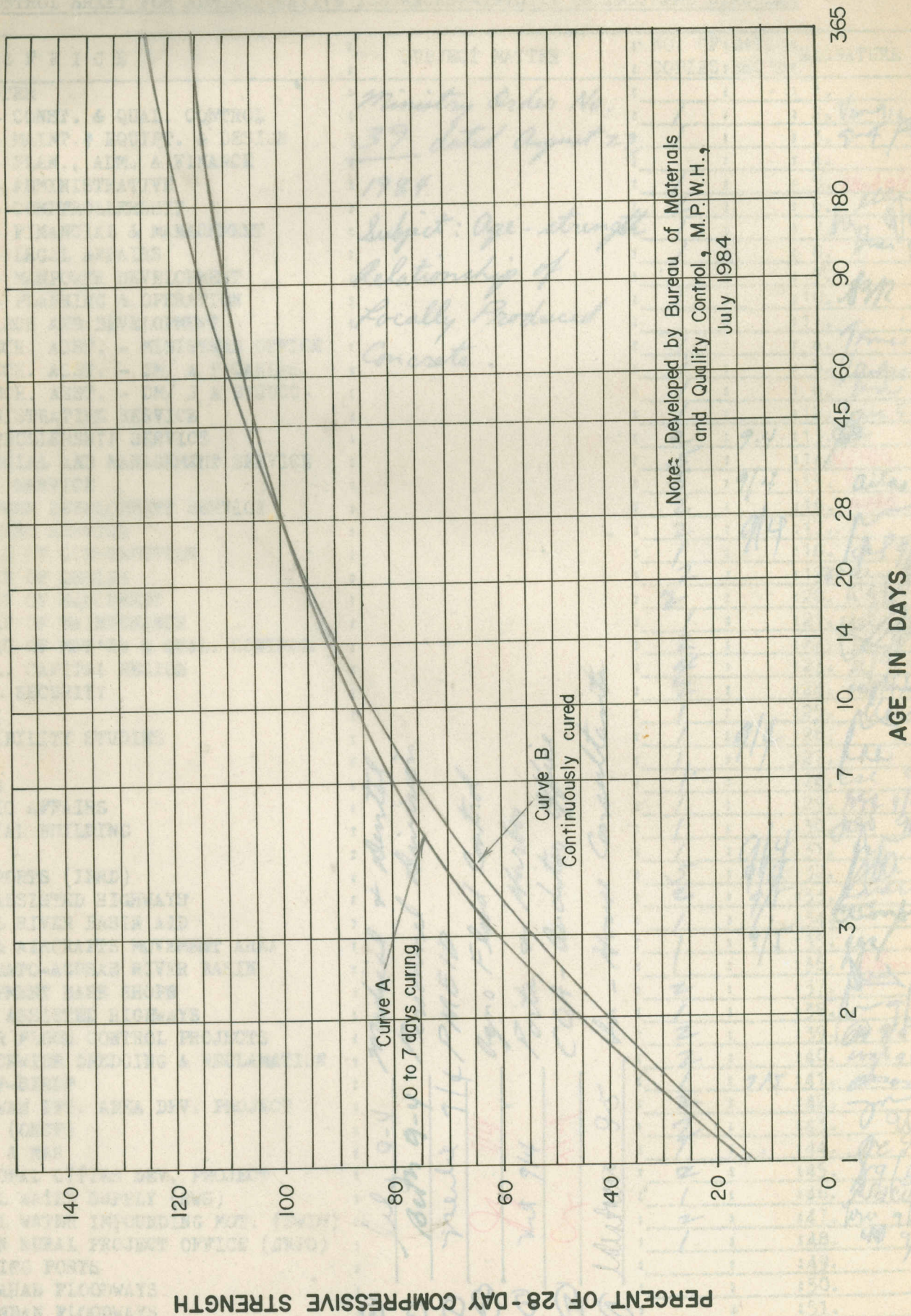
  
JESUS S. HIPOLITO  
Minister

Attachment: As stated.

ok for file - 9/5/84



# COMPRESSIVE BREAKING STRENGTH OF CONCRETE AT VARIOUS AGES IN PERCENT OF 28-DAY COMPRESSIVE BREAKING STRENGTH



PERCENT OF 28-DAY COMPRESSIVE STRENGTH

AGE IN DAYS