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GENERAL NOTES

SPECIFICATIONS

DESIGN: A.A.S.H.O. dated 1953 with subsequent revisions.
CONSTRUCTION: Standard Specifications, Territorial Highway Department, dated January 1951 and the Special Provisions.

UNIT STRESSES:

REINFORCED CONCRETE: $f_s = 20,000$ p.s.i., $f_c = 1,000$ p.s.i., $n = 10$
STRUCTURAL STEEL: $f_s = 18,000$ p.s.i.

FOOTING PRESSURE

14 tons p.s.f. Tunnel Lining Footings in Lava Rocks (Average)
6 tons p.s.f. Tunnel Lining Footings in Cinder Compact (Average)
3 tons p.s.f. Portal No. 1 Pylon Footings.

REINFORCEMENT

Embedment is clear to outside of bar and is 2" to main reinforcement, except as noted. Hooks shall conform to the Manual of Standard Practice, A.C.I. Backing for hooks is four diameters, except as noted. Bar areas are based on rounds for less than 1" and squares for over 1".

Bar deformations shall conform to A.S.T.M. A305-47.

Where reinforcing bars are spliced they shall have a 20 diameter lap unless otherwise called for on the plans.

FORMS IN TUNNEL #2

Forms for tunnel lining in Tunnel #2 from Sta. 114+20 to Portal #4 may be made up in straight sections not to exceed 16 ft. in length. Curbs shall be placed true to the Roadway Curve.

SURVEYED BY	DATE
PLAN	5/54
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NOTE BOOK	
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NO.	

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

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NUUANU PALI TUNNELS

PALI ROAD
PROJ. NO. 5216 (5)

JUNE 1954

SHEET No. 2 OF 41 SHEETS

5705.2

FOR B.P.R. ENGINE.