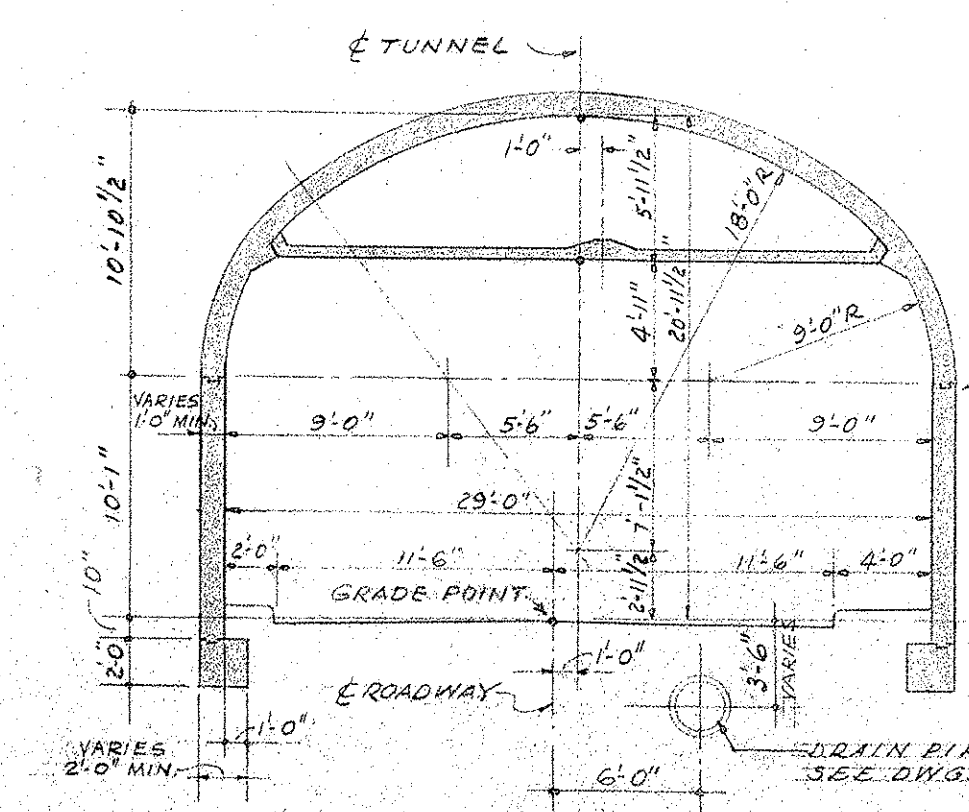
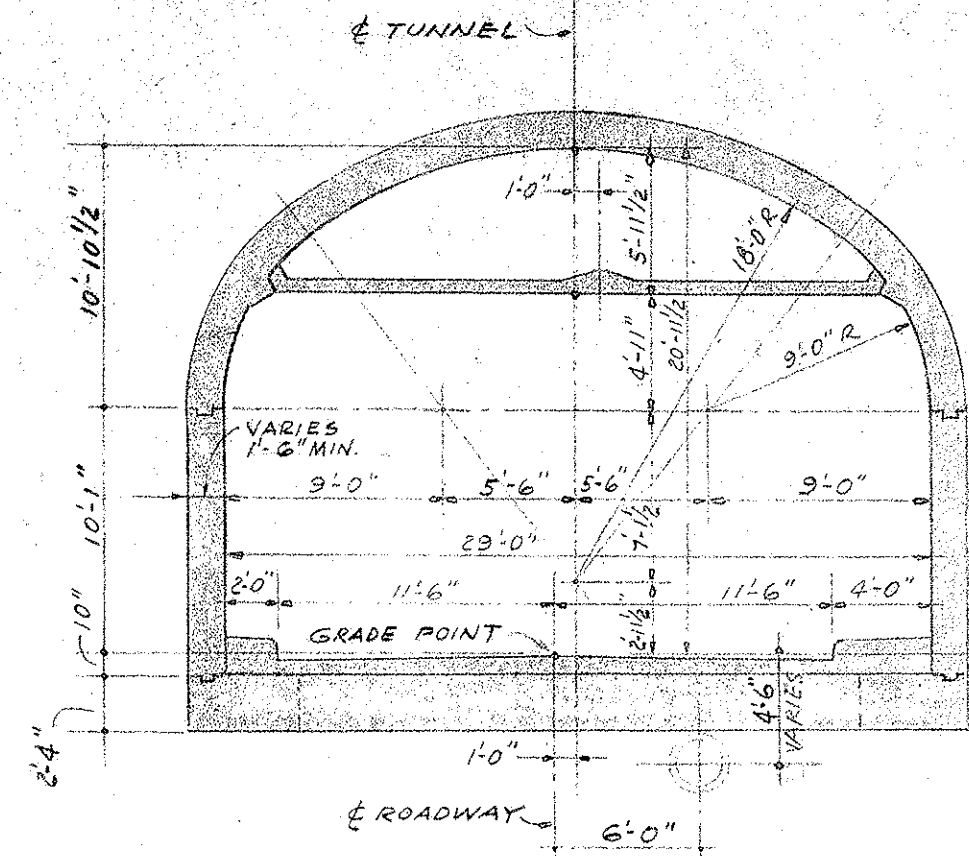
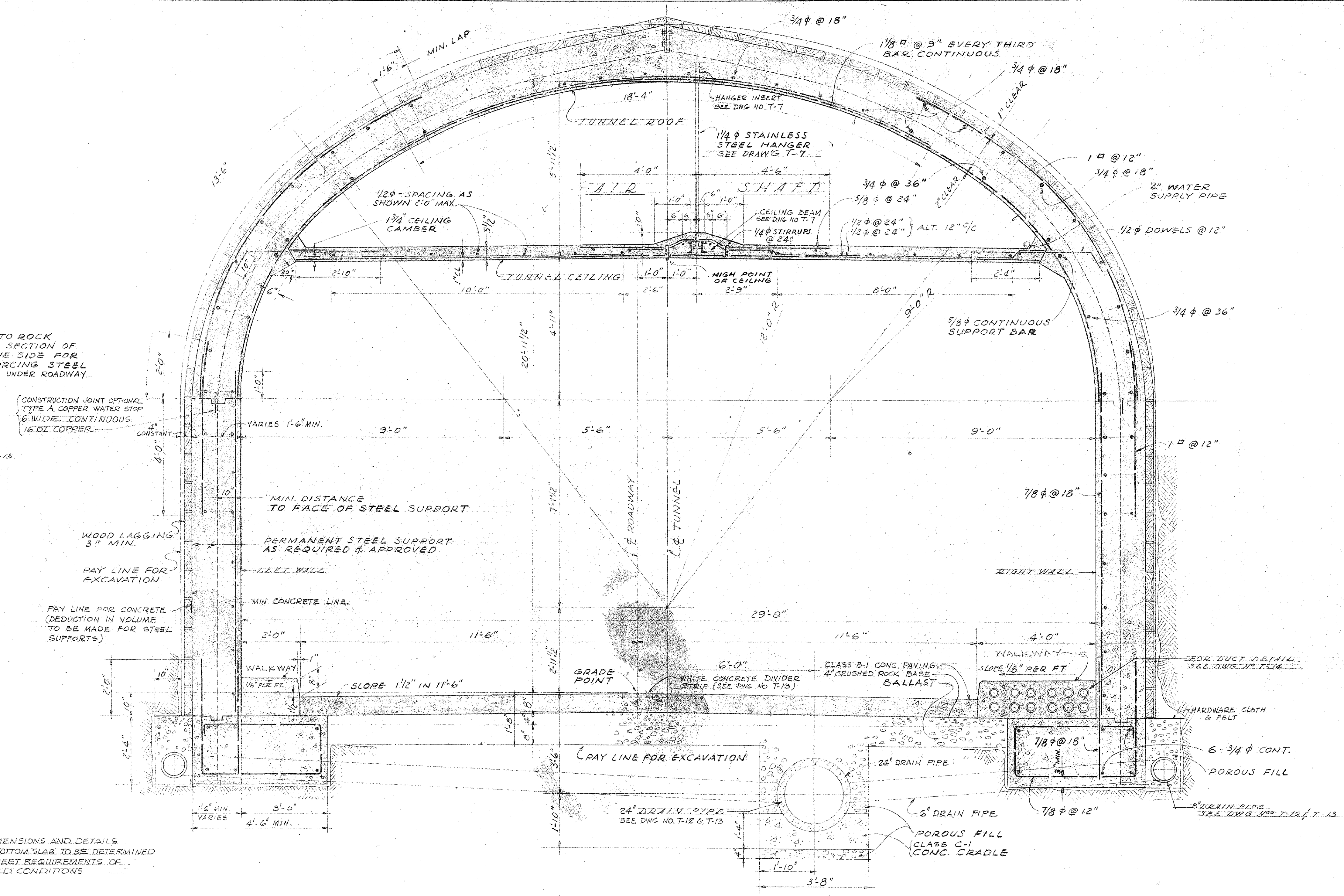




ALT SECTION IN ROCK
SCALE 1/8" = 1'-0"



ALT SECTION IN SOFT GROUND
SCALE 1/8" = 1'-0"



SECTION THRU FIRM GROUND
LOOKING TOWARD KANEOHE PORTAL
SCALE 1/2" = 1'-0"

- NOTE:
1. ALL REINF. BARS TO BE INTERMEDIATE GRADE NEW BILLET DEFORMED BARS.
 2. ALL CONCRETE FOR TUNNEL WALLS AND ARCH TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 P.S.I. AT 28 DAYS.

DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF HONOLULU			
BUREAU OF PLANS			
KALIHI TUNNEL			
TUNNEL & SHAFT			
TUNNEL SECTIONS			
KALIHI SIDE			
ENGINEER <i>W. Lum</i>	DATE <i>JULY 15, 1953</i>		
DRAFTSMAN <i>R. B., JR.</i>	CHECKED BY <i>W. Lum, JR.</i>		
SCALE <i>AS NOTED</i>	TRACER <i>R. B.</i>		
APPROVED <i>[Signature]</i>	APPROVED <i>[Signature]</i>		
CHIEF ENGINEER	BUREAU ENGINEER		
W. B. <i>[Signature]</i>	PROFILE	C. B.	
CR. SEC.	F. B.	S. B.	
W. M. BY.	F. W. BY.	S. BY.	