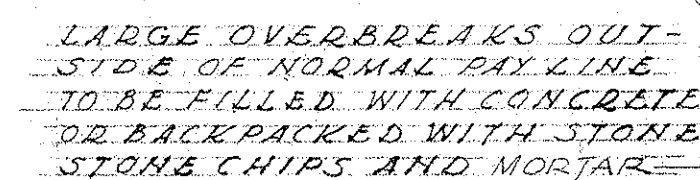


LARGE OVERBREAKS OUTSIDE OF NORMAL PAY LINE
ABOVE TUNNEL ARCH, FILLED WITH CONCRETE
AND GROUT, OR BACKPACKED WITH WOOD
CRIBBING, STONE, STONE CHIPS AND GROUTED

3"
4 GUNITE WHERE APPROVED &
ORDERED AS TEMP. SUPPORT

GROUT PIPE FOR CONSOLIDATING
SURROUNDING ROCK FOR
SUPPORT IS DIRECTED

WET SEAMS TO BE —
DRAINED WITH PIPES OR
SHEET METAL PANS AS
REQ'D AND APPROVED



VOIDS & OVERBREAKS IN SIDEWALLS TO BE BACKPACKED WITH PEA GRAVEL OR STONE, STONE CHIPS AND MORTAR AS REQUIRED.

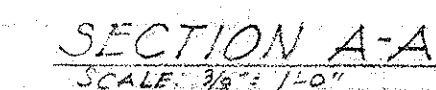
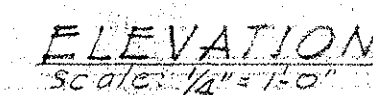
DRAIN PIPES OR SHEET METAL
PANS TO BE PLACED OUTSIDE
OF PAY LINE. NO PAYMENT TO BE
MADE FOR EXTRA EXCAVATION & TRIMMING.

1/2 SECTION
UNSUPPORTED

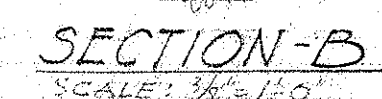
$\frac{1}{2}$ SECTION
STEEL SUPPORTED

DEWATERING, BACKPACKING
& GROUTING DETAILS

SCALE $\frac{1}{4}'' = 1' - 0''$



DETAIL AT FUTURE CROSS PASSAGE



APPROVED:
[Signature]
ENGINEER, KALIHI TUNNEL

SECTION C

LAW & WILSON
ARCHITECTS & ENGINEERS

DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU

BUREAU OF PLANS

KALIHI TUNNEL
TUNNEL & SHAFT
MISCELLANEOUS DETAILS

ENGINEER W.L. & W. DATE May 15, 1953
 DRAFTSMAN E.H., RO. CHECKED BY Y.T., W.L.
 SCALE AS NOTED TRACER _____
 APPROVED: W. L. Jannotta APPROVED: W. L. Butz
 CHIEF ENGINEER BUREAU ENGINEER

W. S.	PROFILE	C. B.
CR. SEC.	F. B.	S. B.

JOB NO. 26-53 DWG. T-11

Sheet No. 89 of 252 Sheets

FILE	POCKET	FOLDER	NO.
7	5	3	11