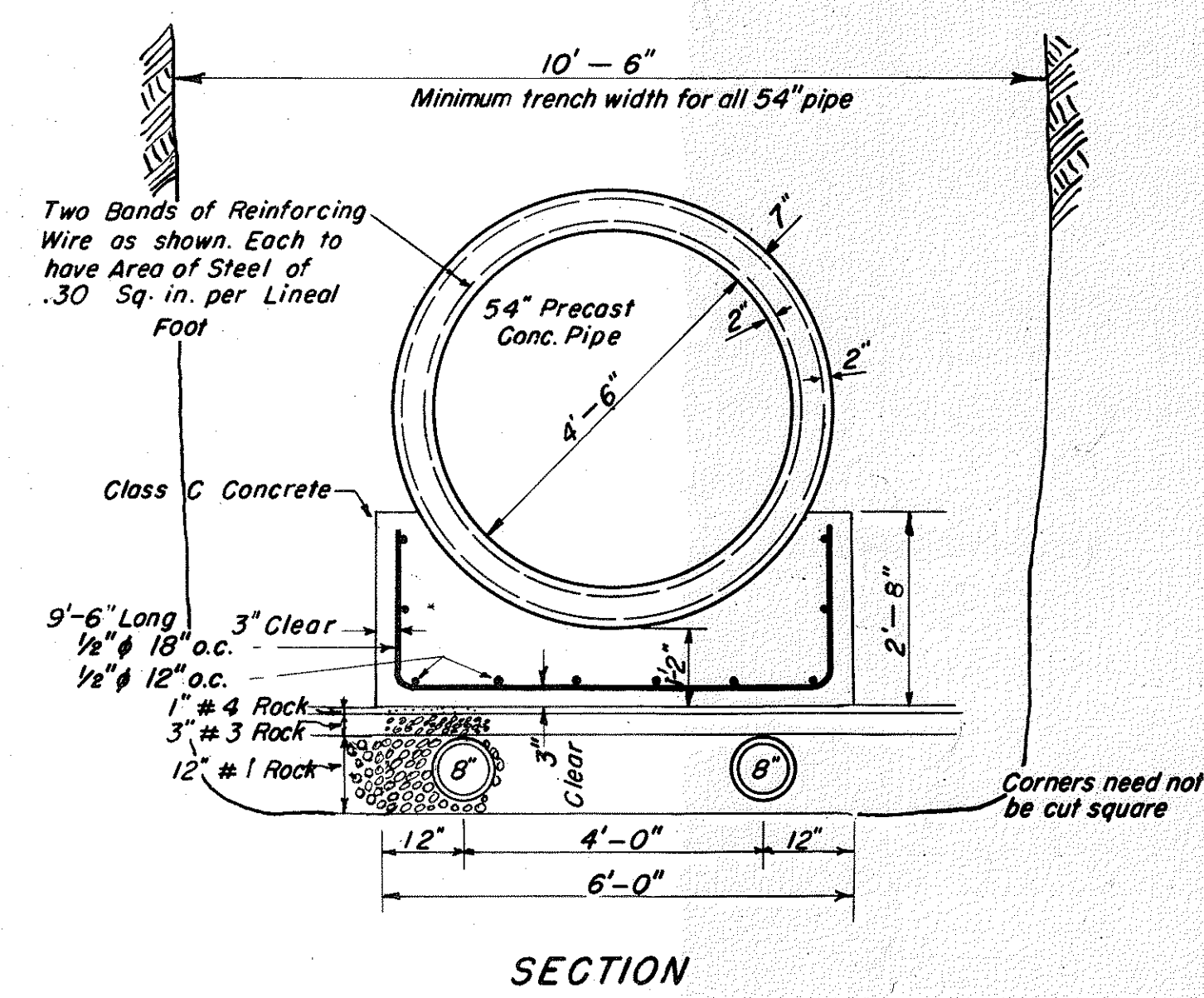
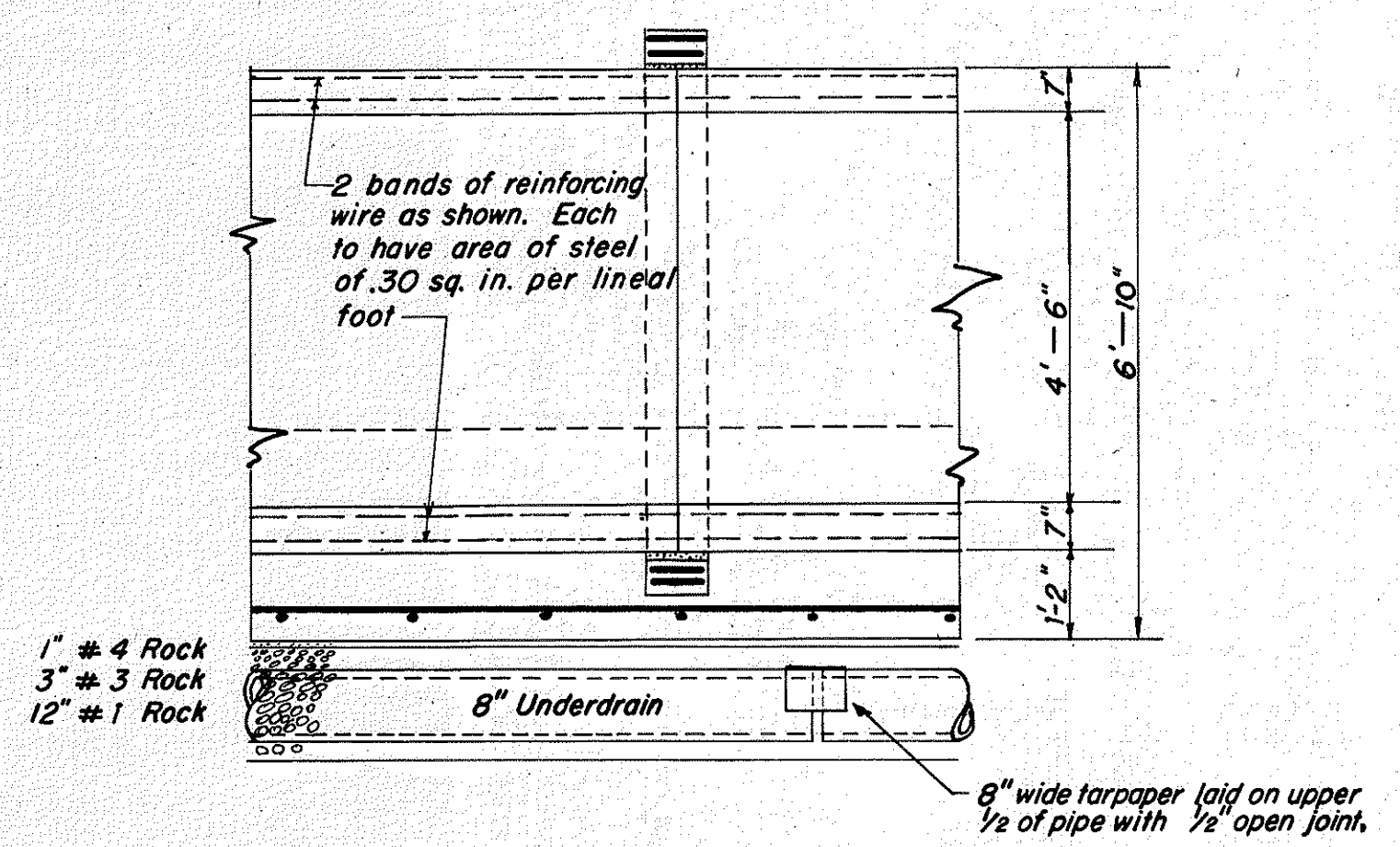


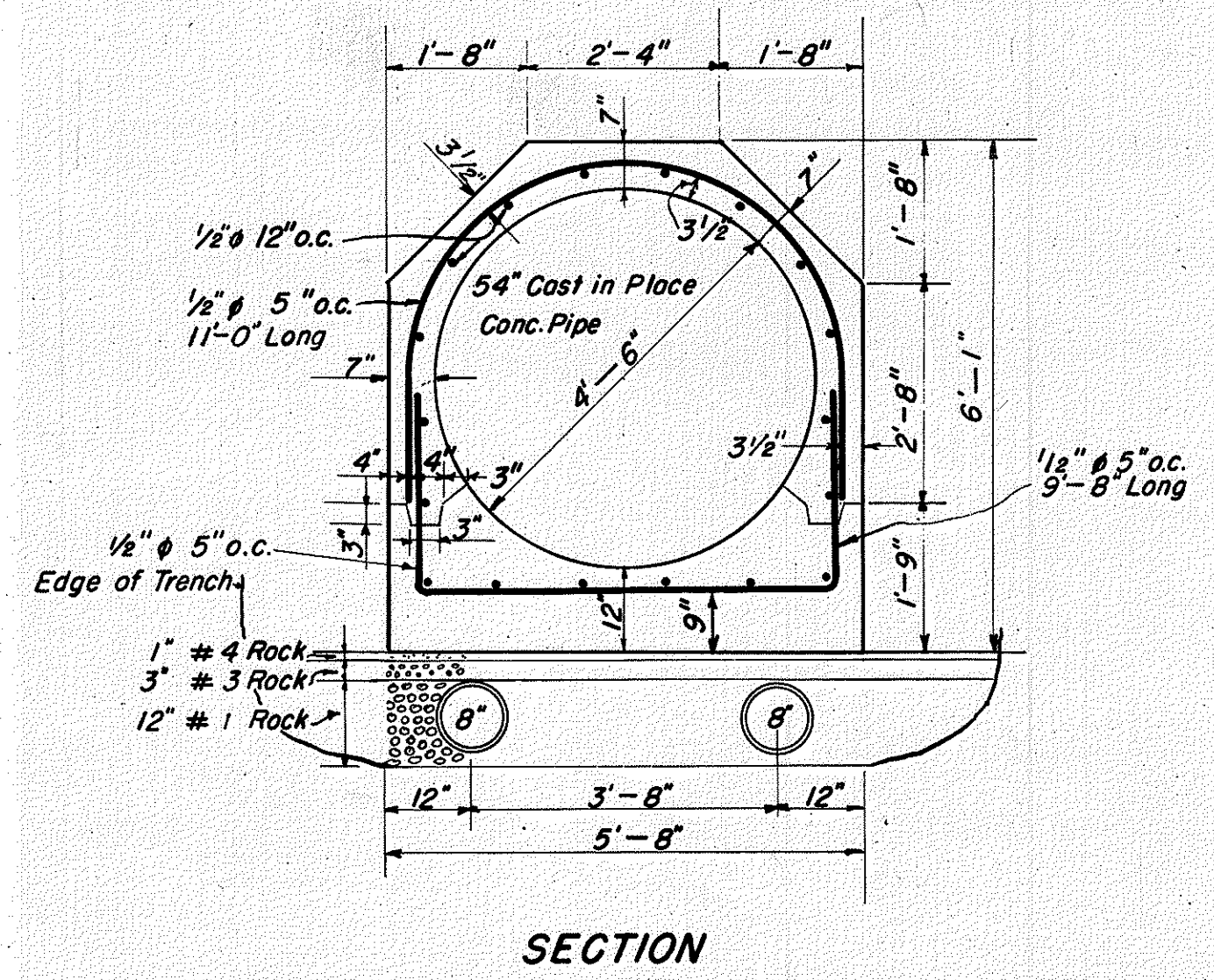


SECTION

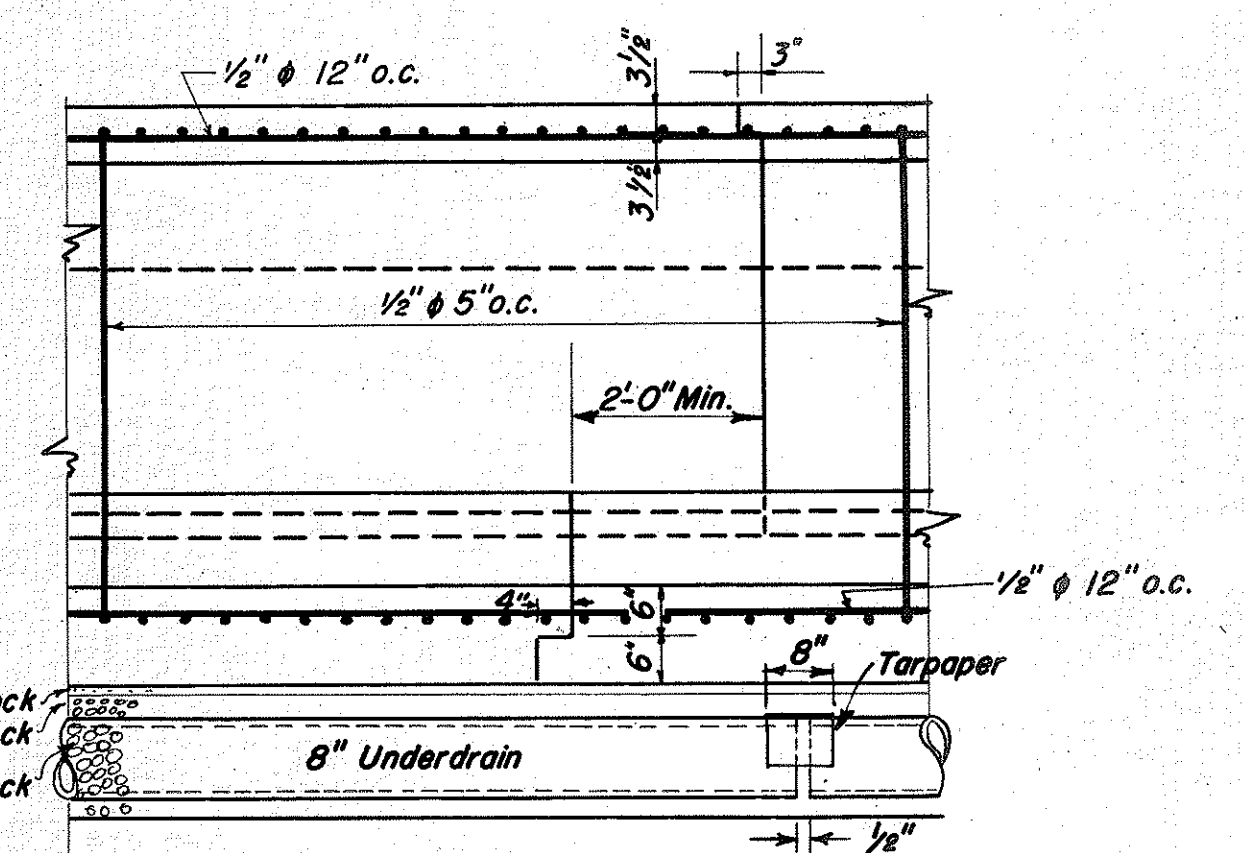


LONGITUDINAL SECTION

Note: Number of underdrains required to be determined during construction.



SECTION

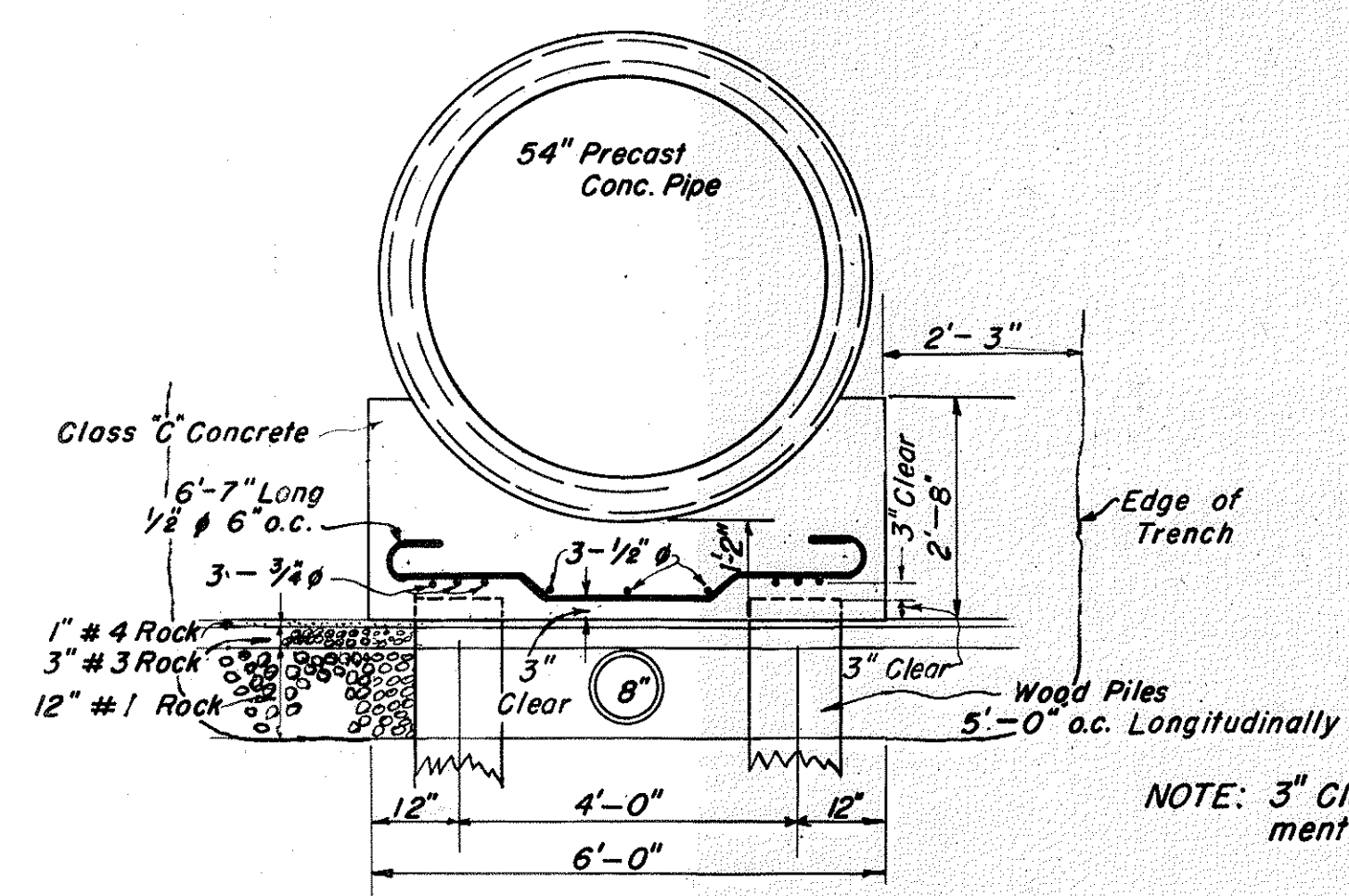


LONGITUDINAL SECTION

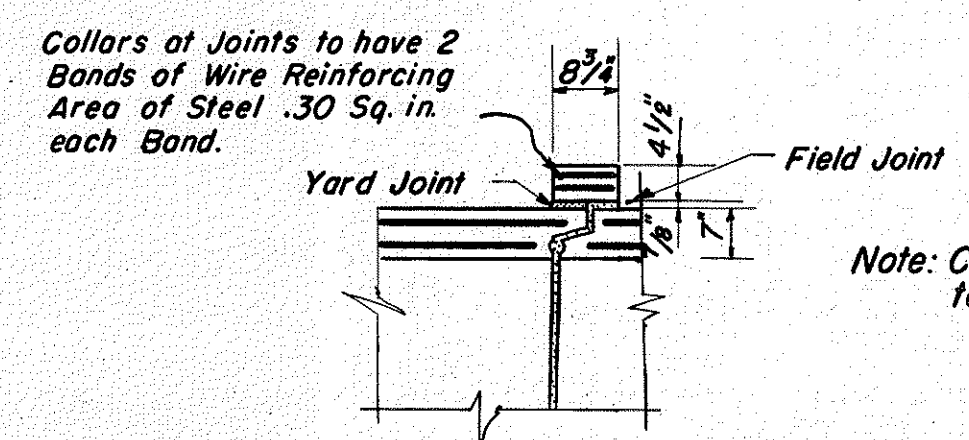
NOTE:
THESE PLANS WERE PREPARED IN THE
OFFICE OF DEPARTMENT OF PUBLIC
WORKS, CITY & COUNTY OF HONOLULU.

JOB #28-50

REVISION	DATE	BRIEF	MADE BY	APPROVED
AUSTIN AND TOWILL CIVIL ENGINEERS - HONOLULU, T. H.				
TERRITORIAL HIGHWAY DEPARTMENT TERRITORY OF HAWAII CONCRETE PIPE DETAILS KAPALAMA RELIEF SEWER SECTION #3 PACIFIC STREET TO AWA STREET PUMPING STATION HONOLULU-PEARL HARBOR ROAD PROJECT No. FU 44 (3) 2ND UNIT SEPTEMBER 1950				
APPROVED:		August 31, 1950		
CHIEF ENGINEER		DIVISION ENGINEER		
DEPT. OF PUBLIC WORKS		DEPT. OF PUBLIC WORKS		

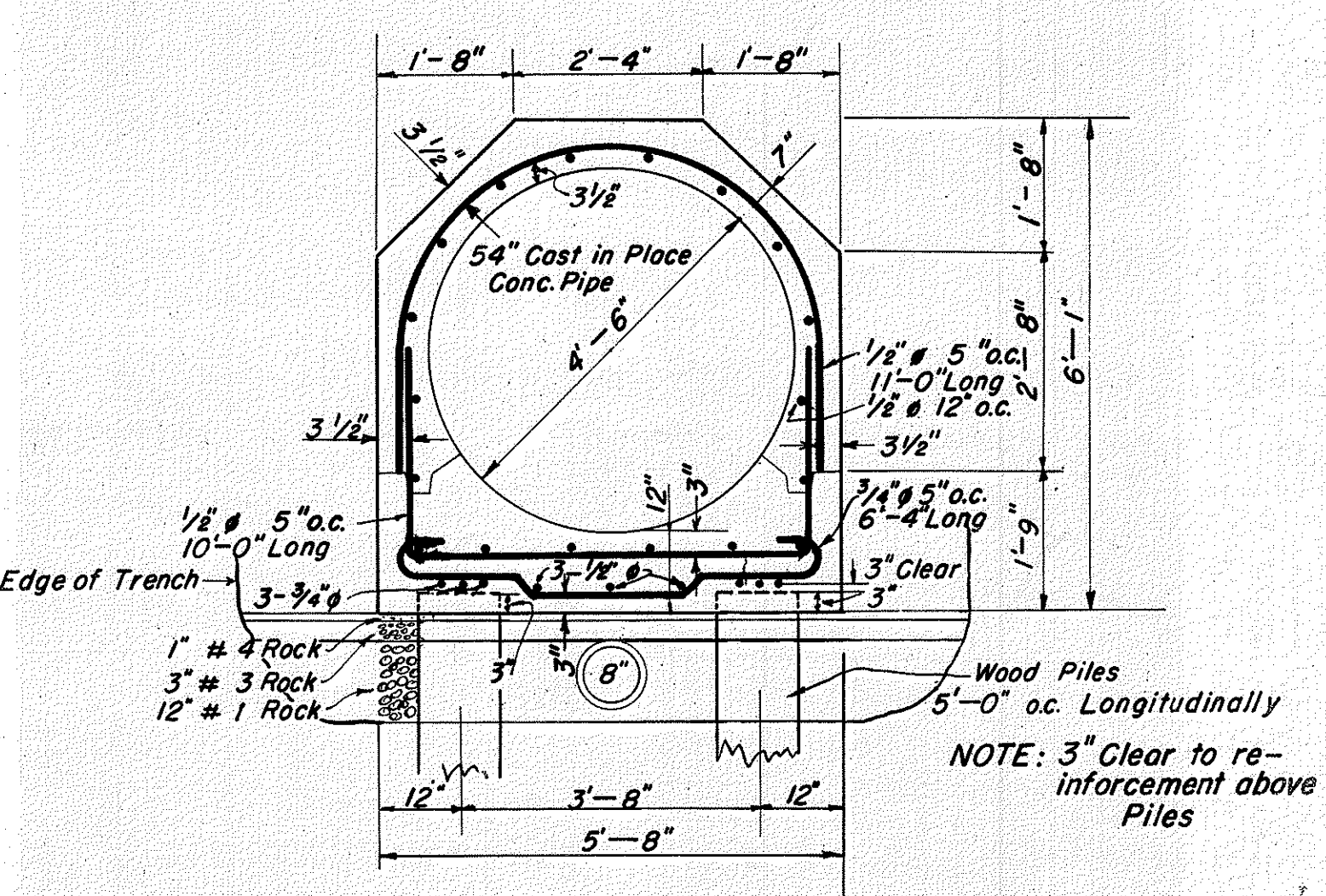


PILE SECTION
USE WHERE PILE FOUNDATION
IS REQUIRED



TYPE 'B' JOINT DETAIL
FOR CENTRIFUGALLY SPUN PIPE

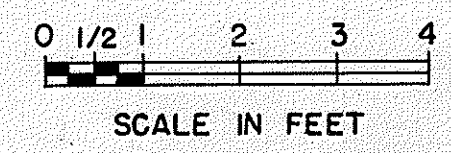
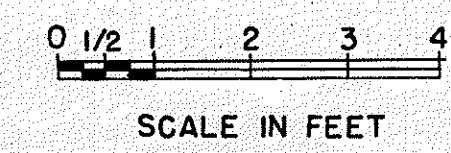
NOTE:
Where precast reinforced concrete pipe is used,
the reinforcing steel in the cradle shall be
continuous through the manhole bottom slab,
and the elevation of the bottom of the manhole
slab shall be the same as the elevation of
the bottom of the cradle adjacent to the
manhole, unless otherwise shown.



PILE SECTION
USE WHERE PILE FOUNDATION
IS REQUIRED

STANDARD 54" CAST-IN-PLACE
CONCRETE SEWER PIPE

STANDARD 54" PRECAST CONCRETE SEWER PIPE



5484.72