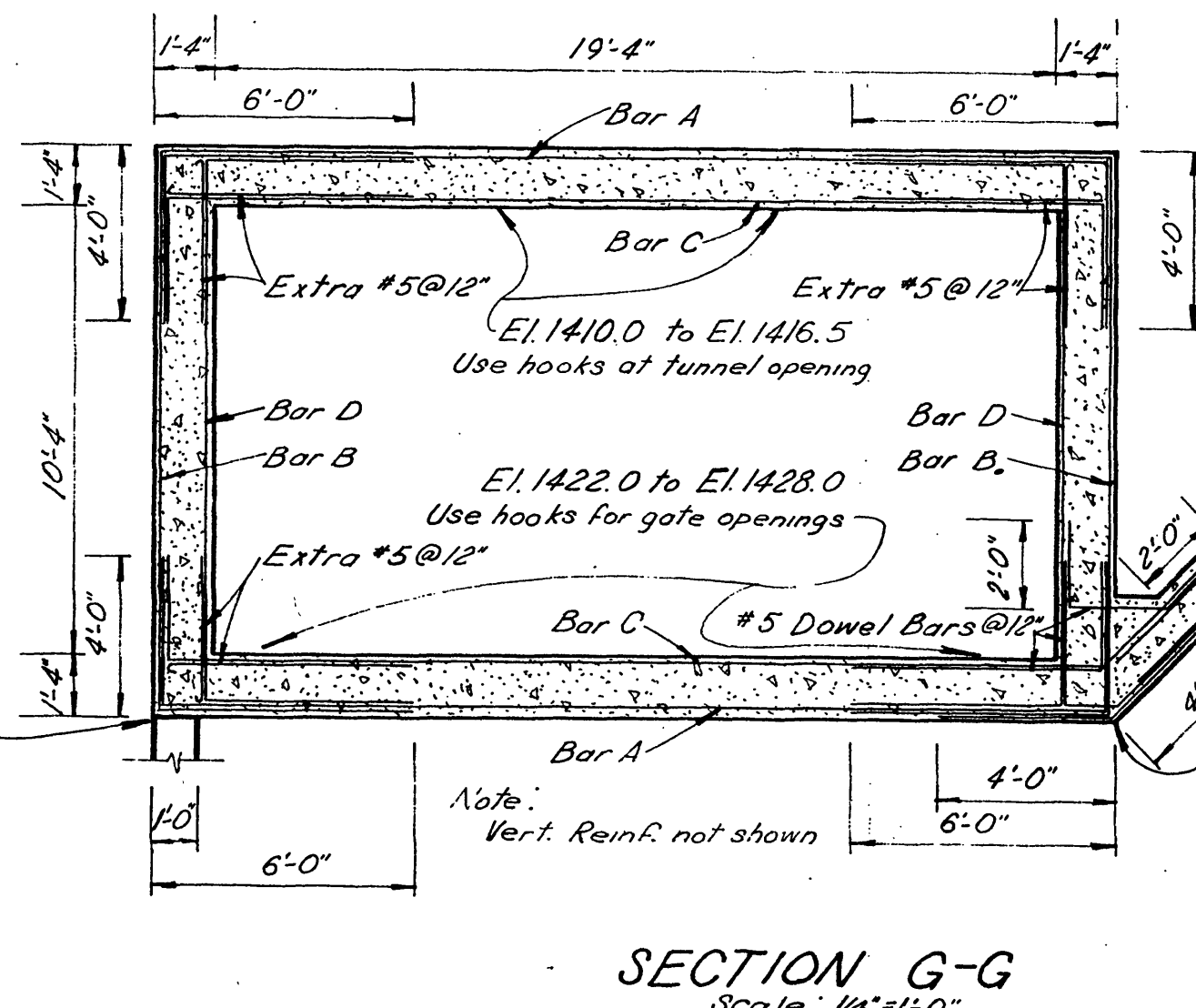
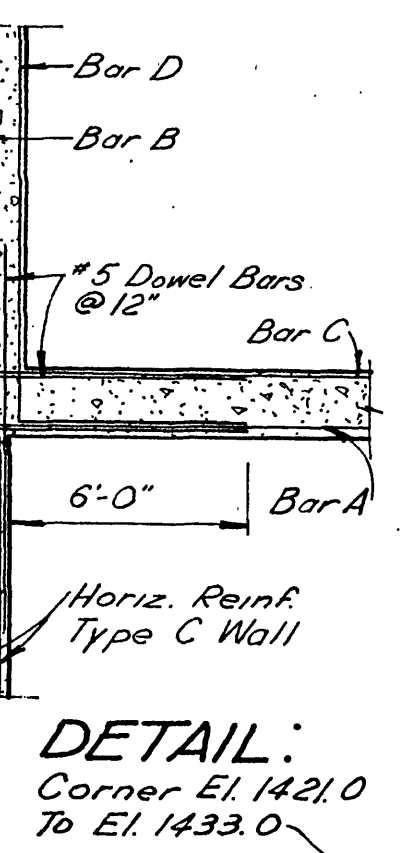
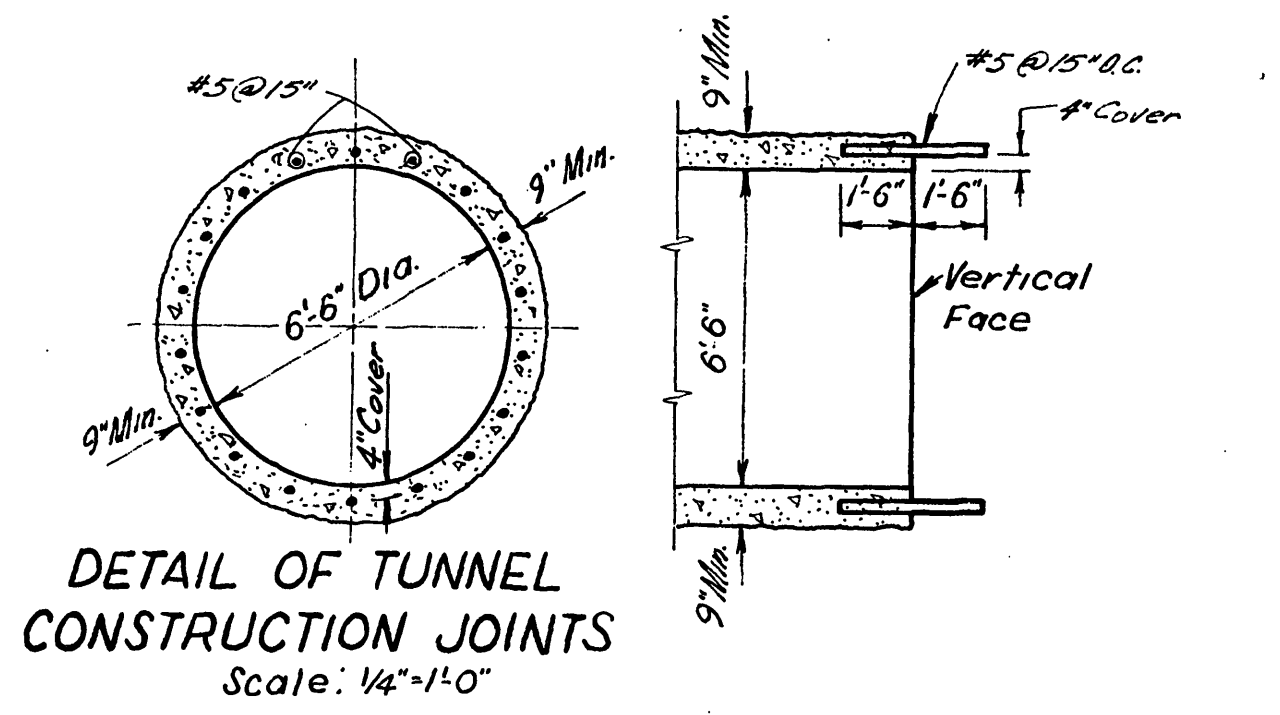
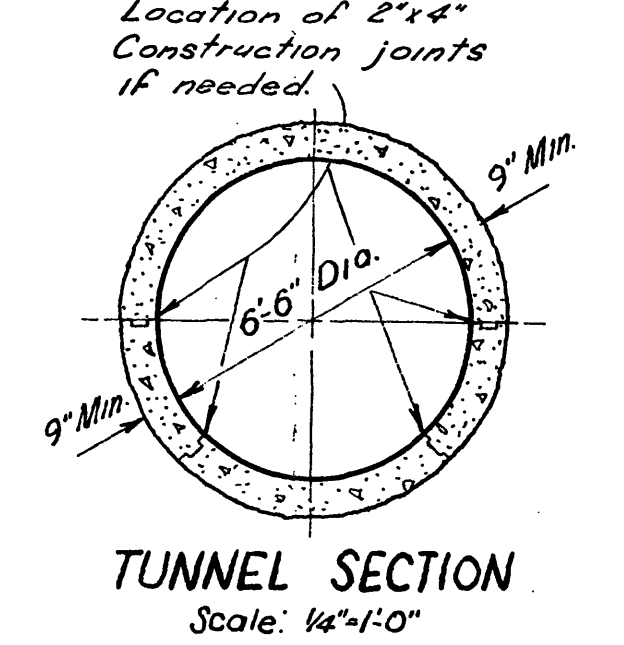
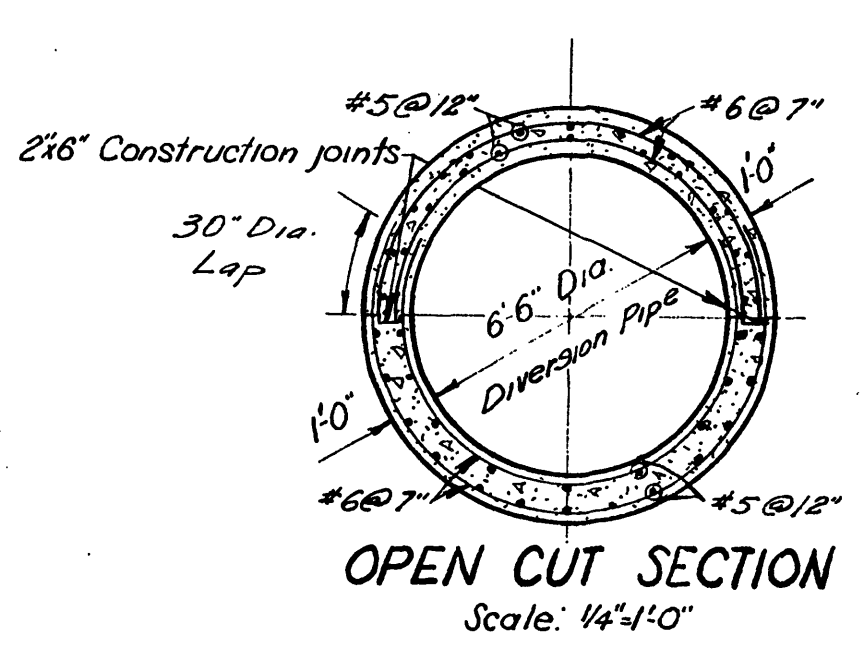
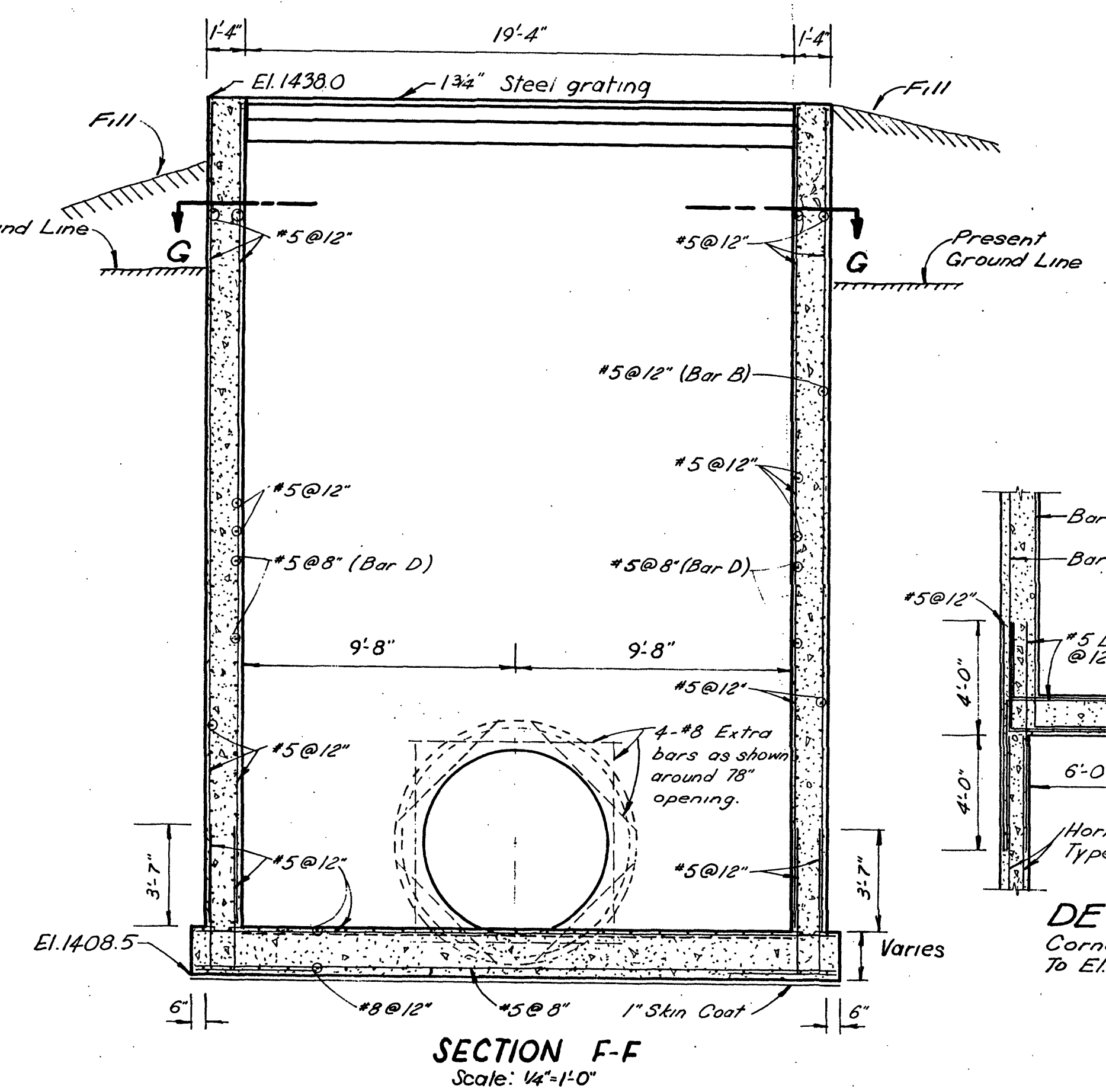
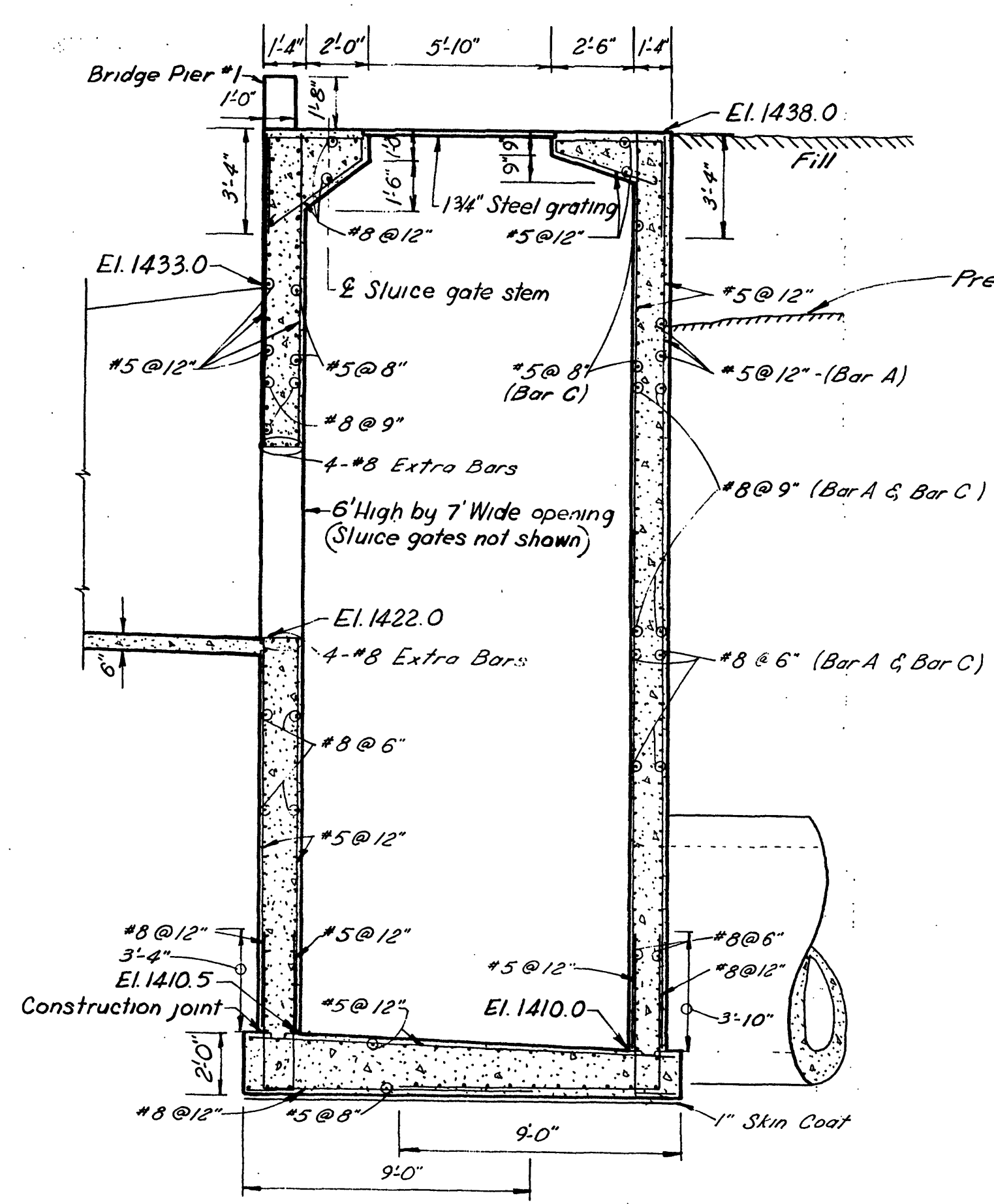
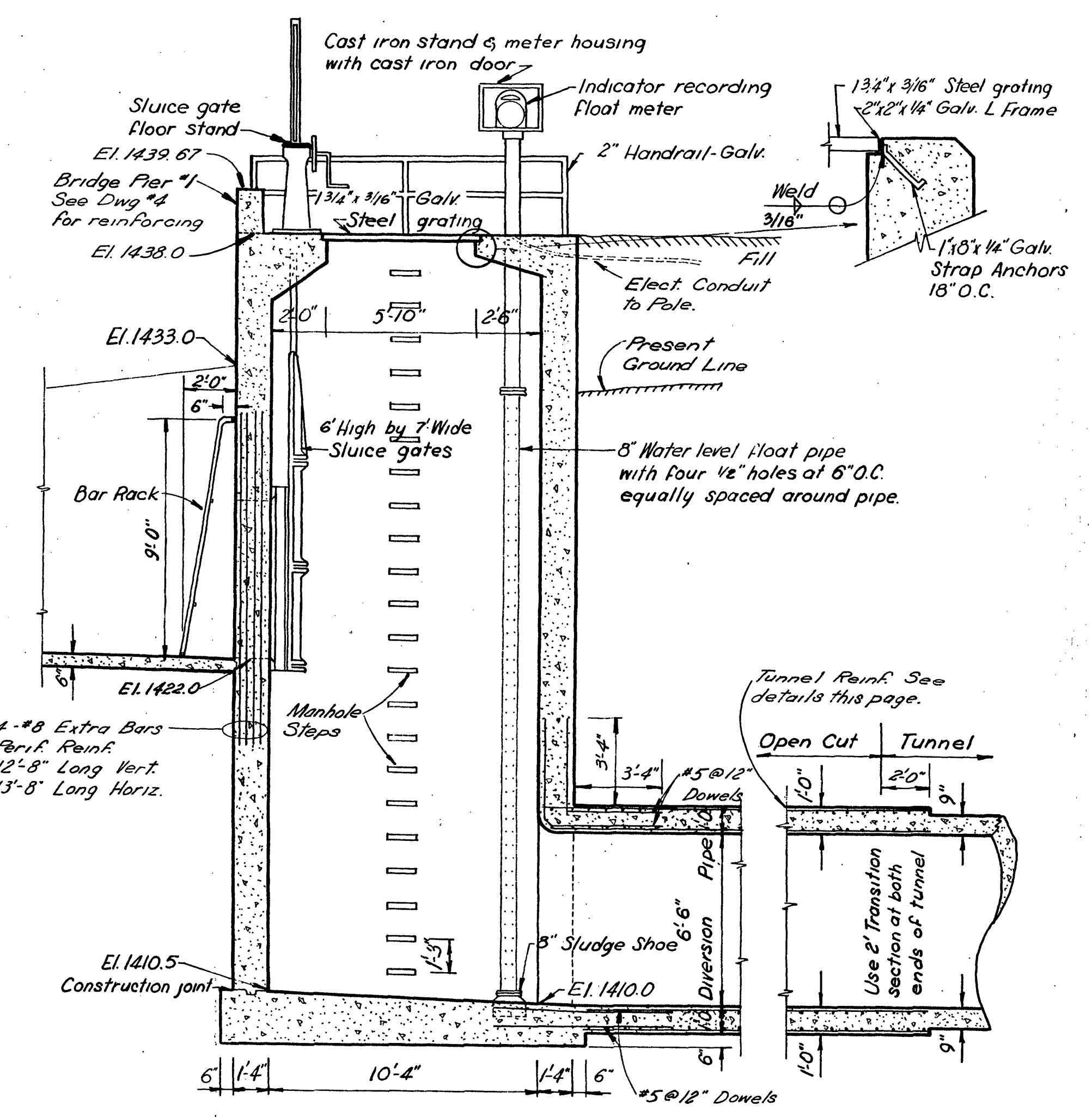
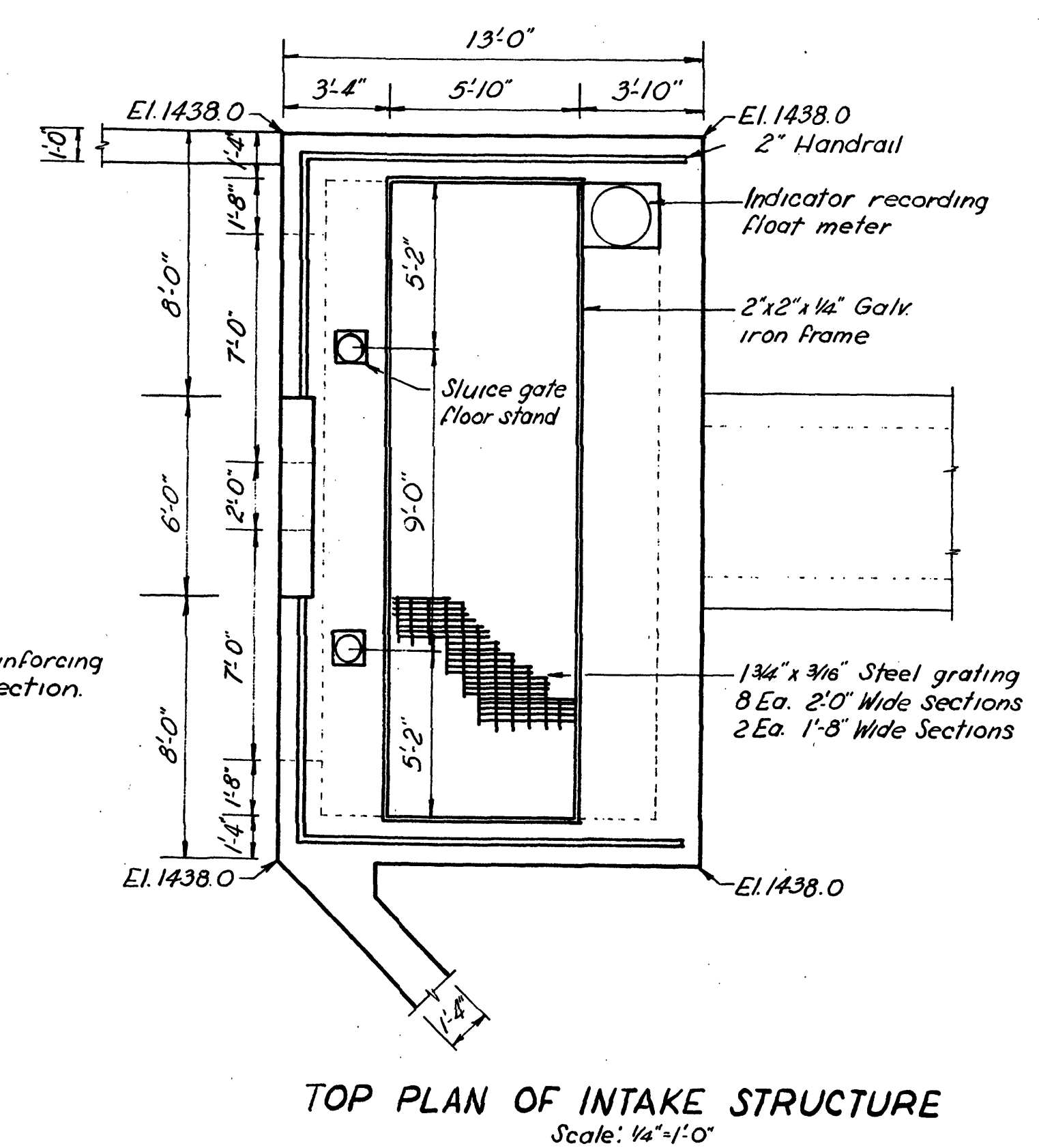
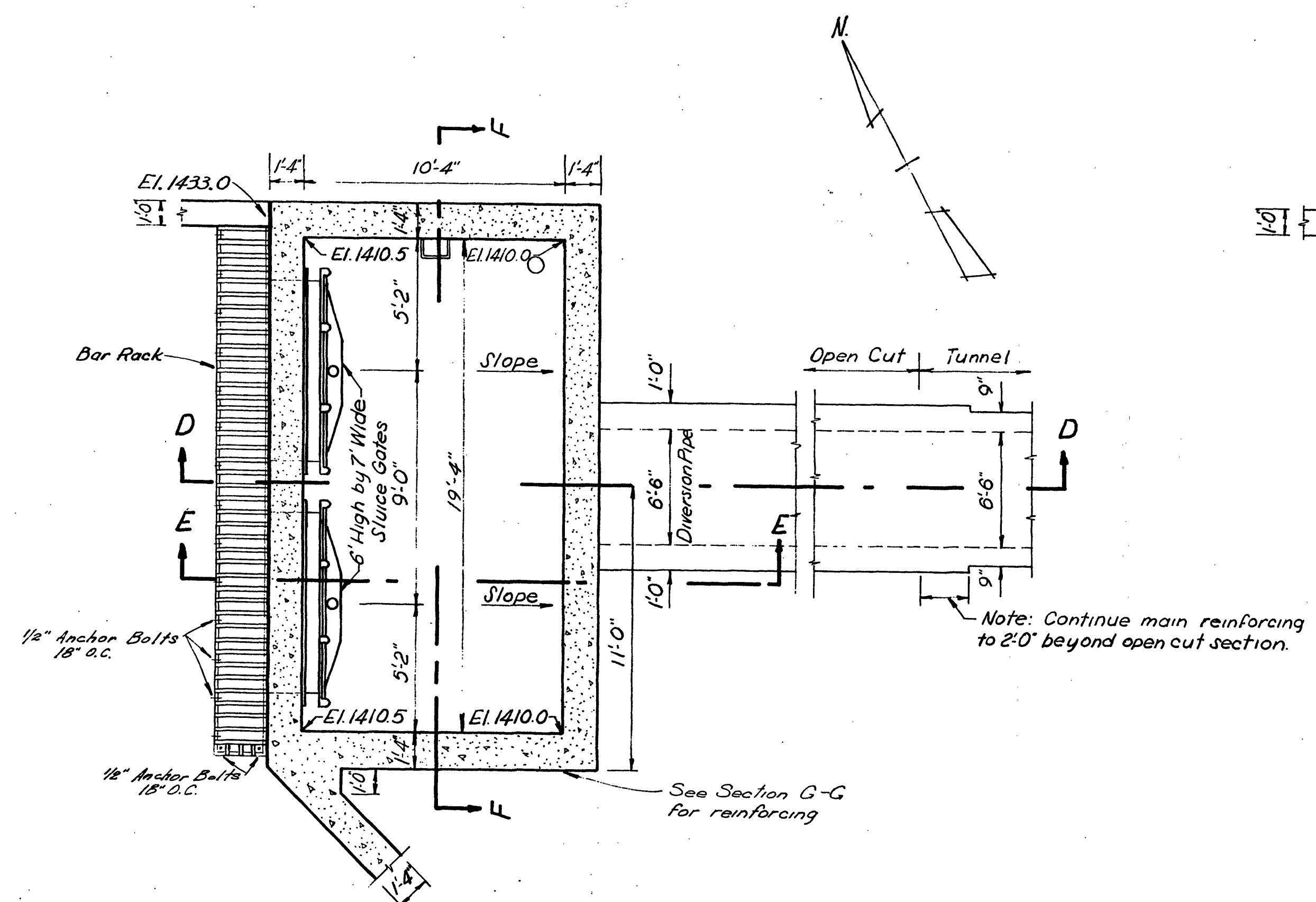
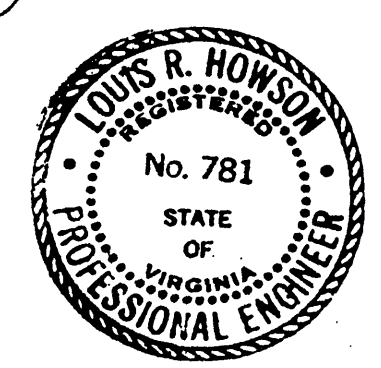




HORIZONTAL BAR SCHEDULE				
Elev. Range	Bar A	Bar B	Bar C	Bar D
1410-1422	#8 @ 6"	#5 @ 12"	#8 @ 6"	#5 @ 8"
1422-1430	#8 @ 9"	#5 @ 12"	#8 @ 9"	#5 @ 12"
1430-1438	#5 @ 12"	#5 @ 12"	#5 @ 8"	#5 @ 12"



**CATAWBA CREEK
DIVERSION TUNNEL**

**INTAKE STRUCTURE
DETAILS**

CITY OF ROANOKE WATER DEPT.
ROANOKE, VIRGINIA

ALVORD BURDICK & HOWSON
ENGINEERS CHICAGO
1969