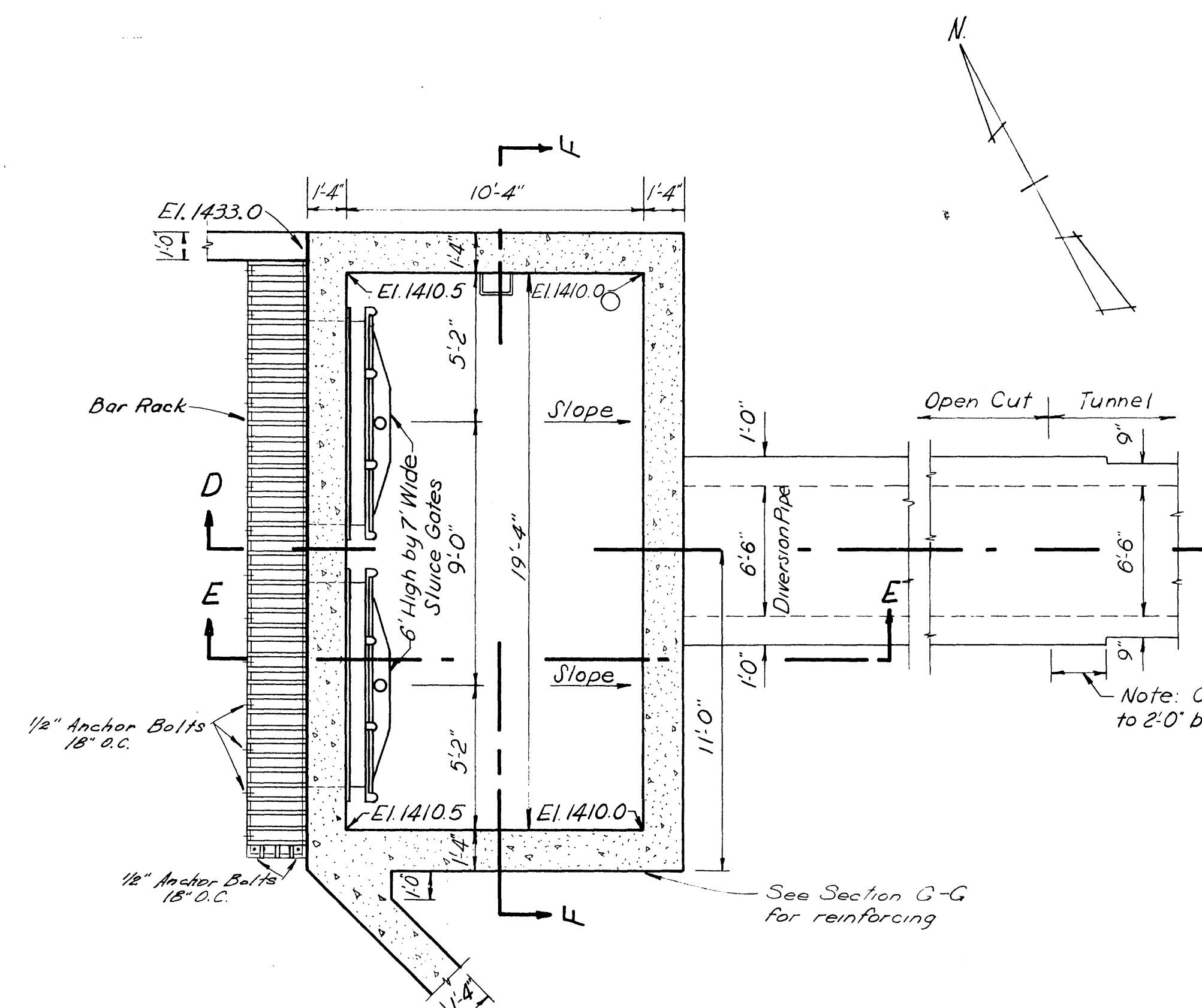
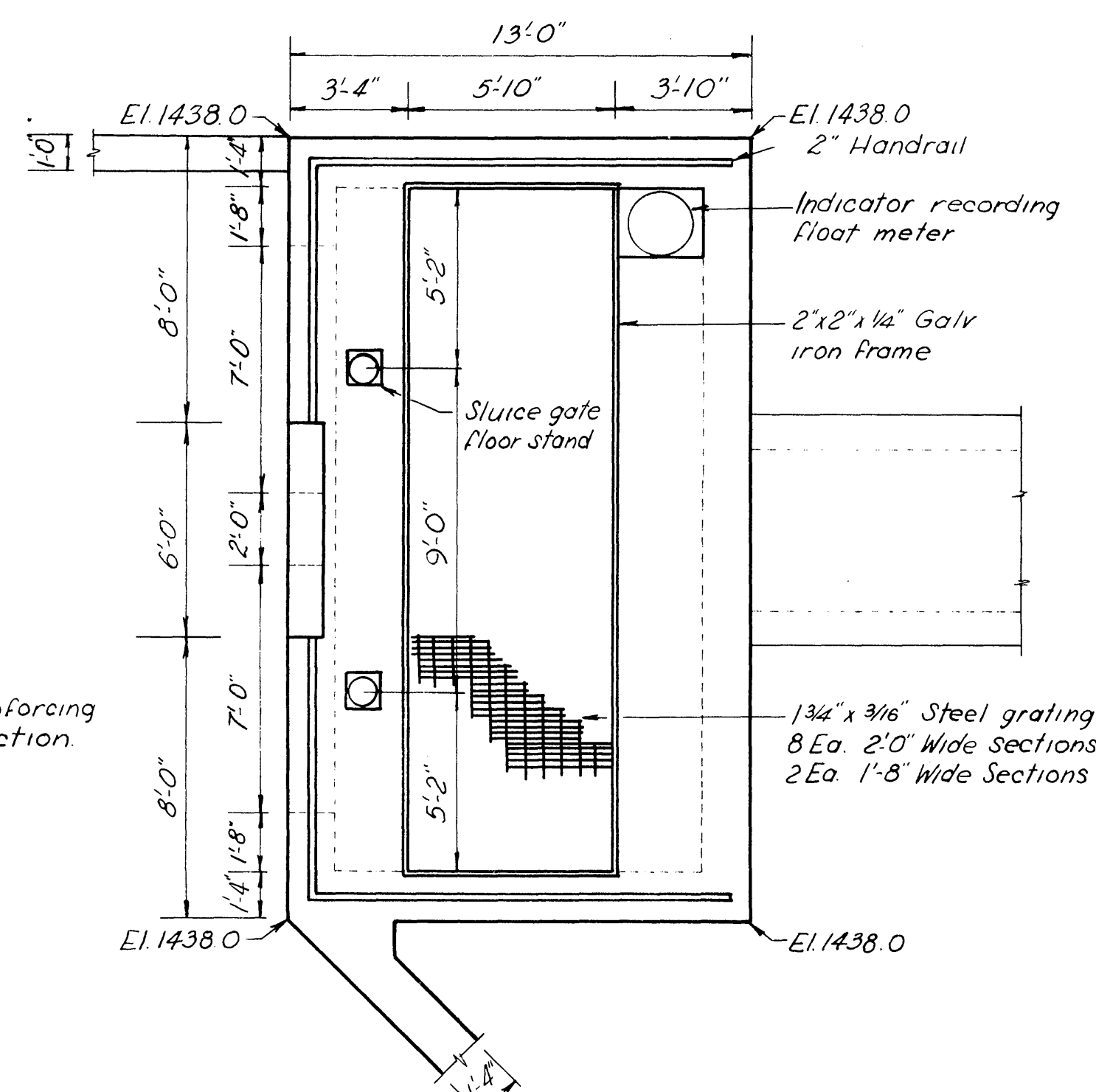
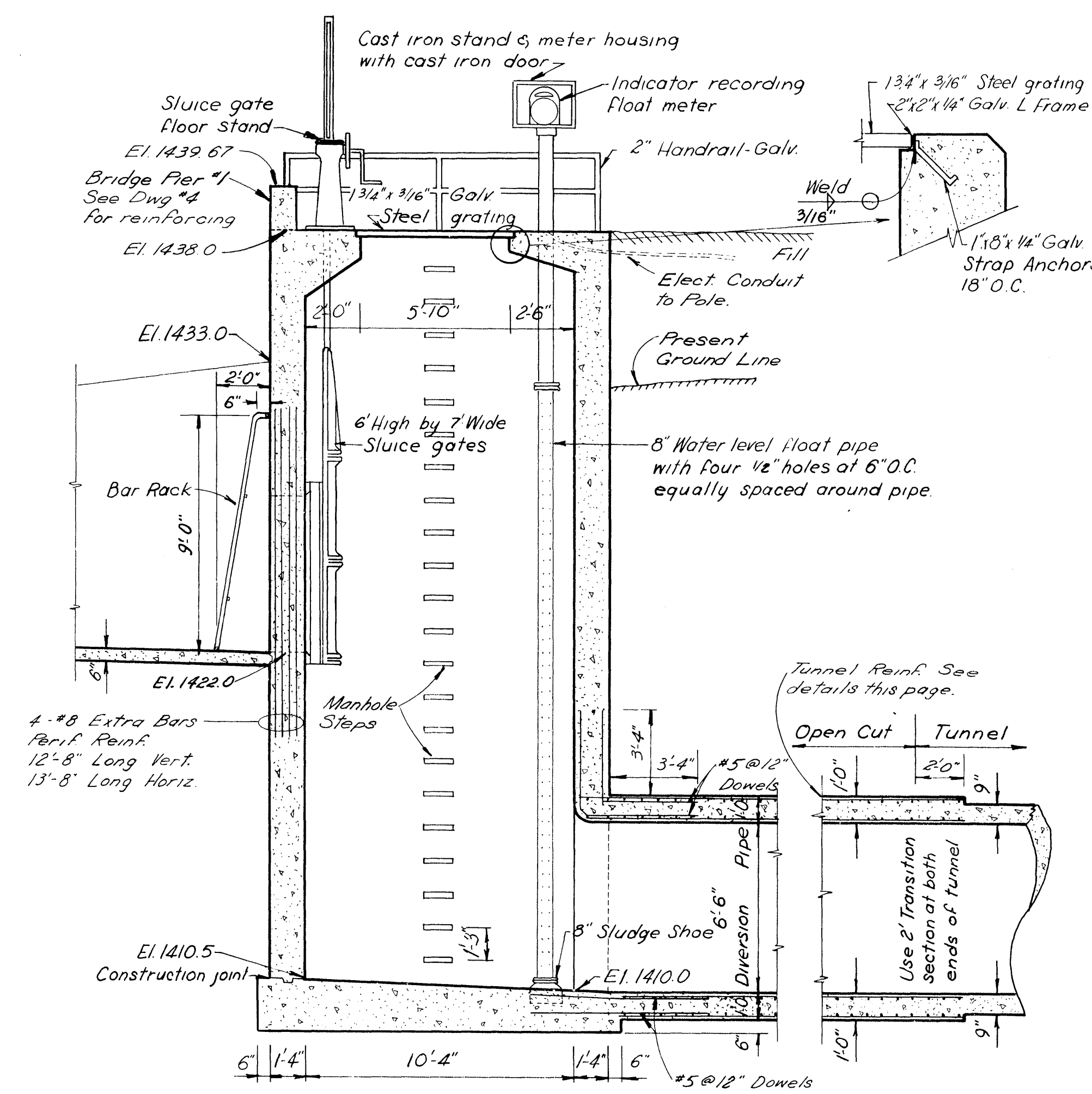




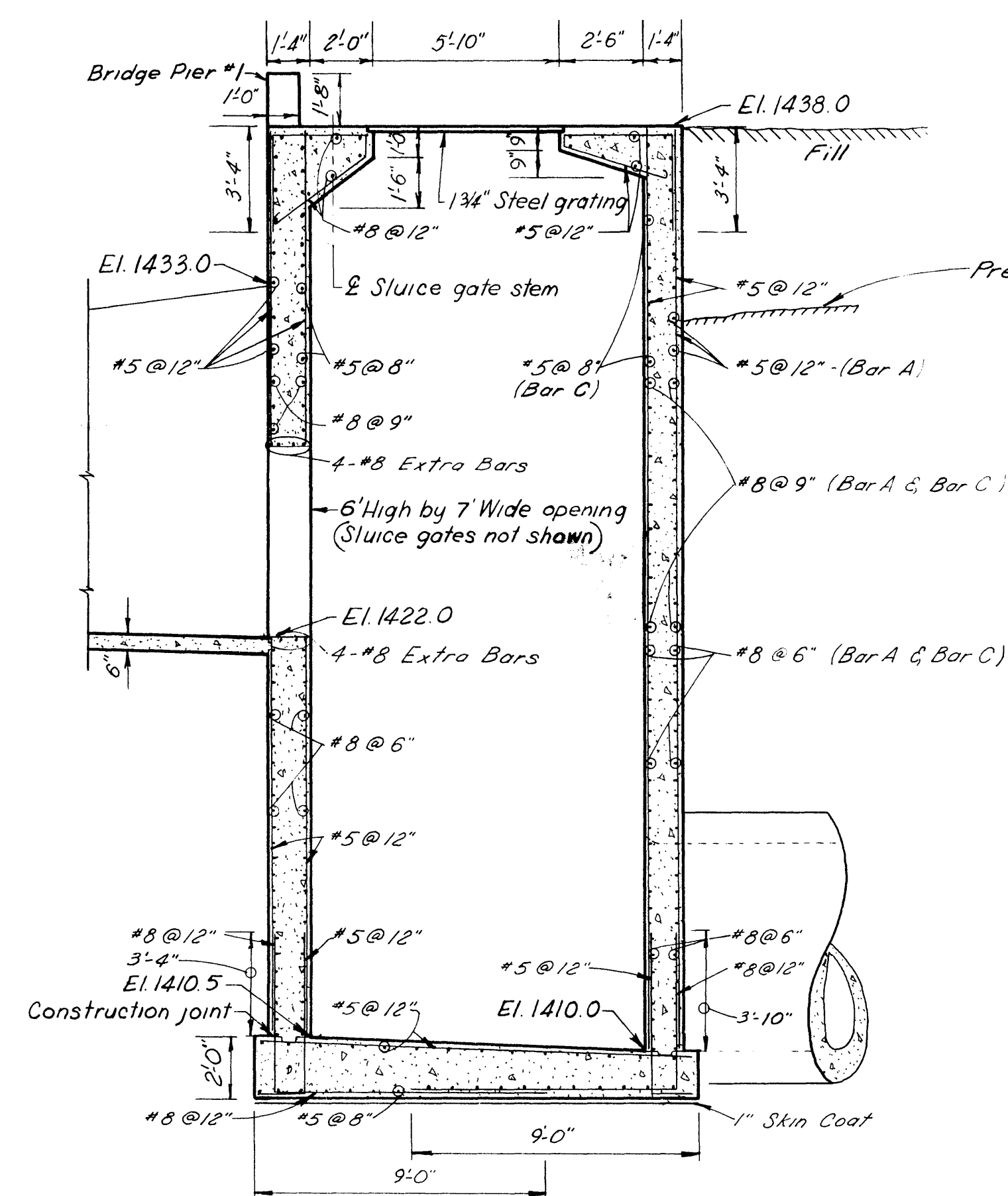
SECTIONAL PLAN OF DIVERSION INTAKE STRUCTURE
@ EI. 1434.0
Scale: 1/4"=1'-0"



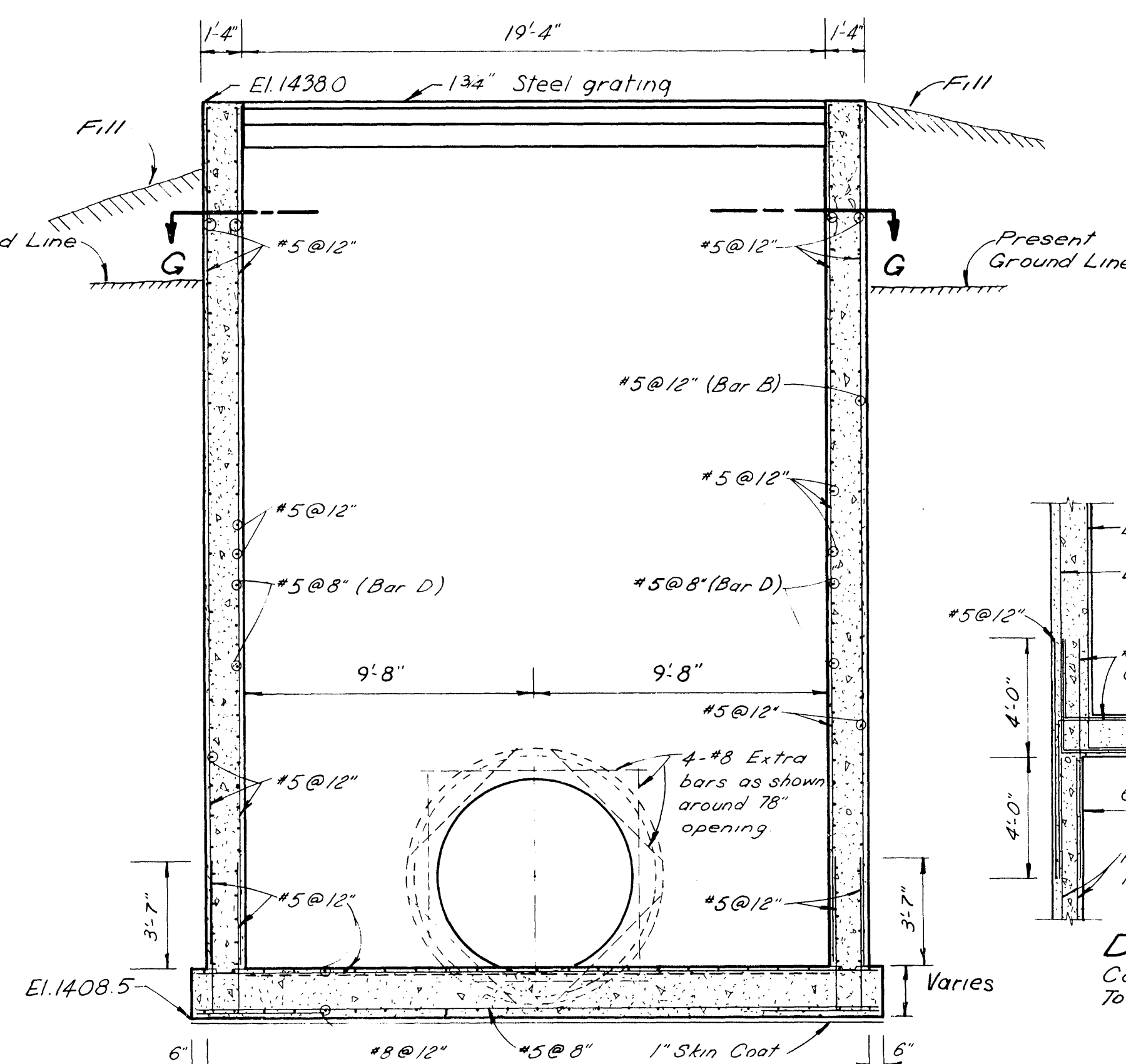
TOP PLAN OF INTAKE STRUCTURE
Scale: 1/4"=1'-0"



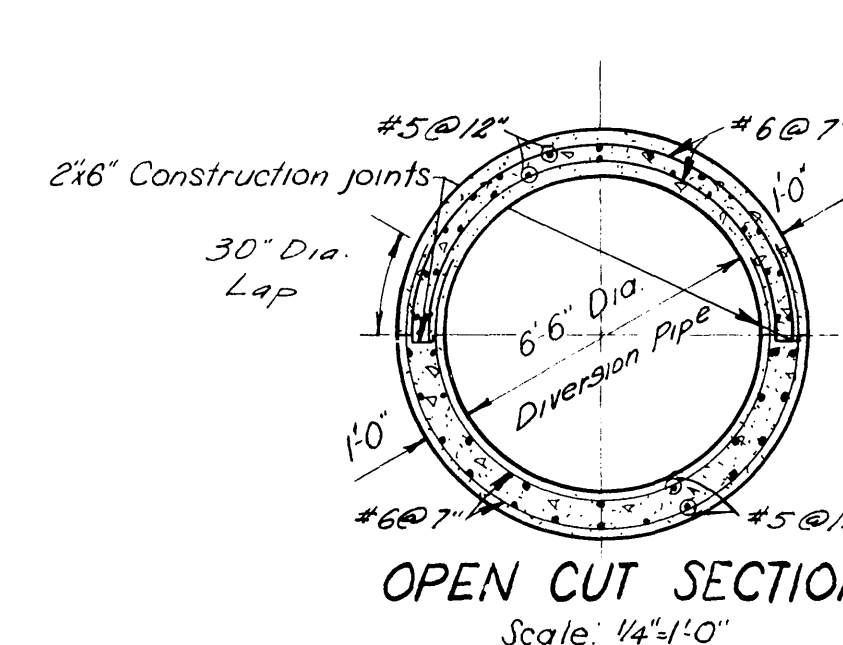
SECTION D-D
Scale: 1/4"=1'-0"



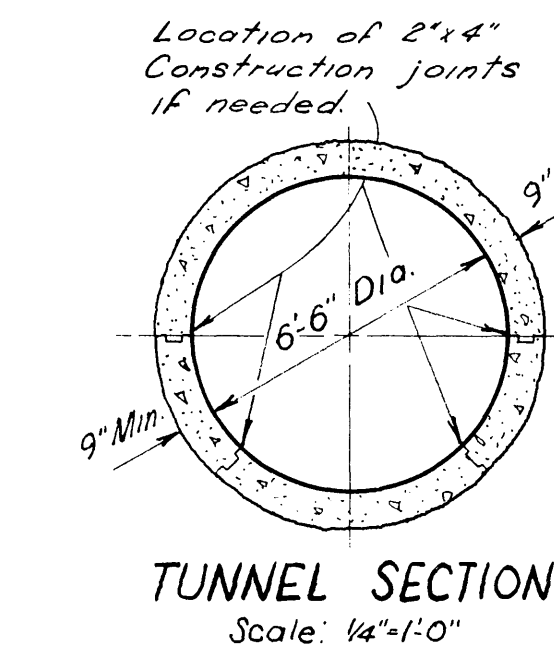
SECTION E-E
Scale: 1/4"=1'-0"



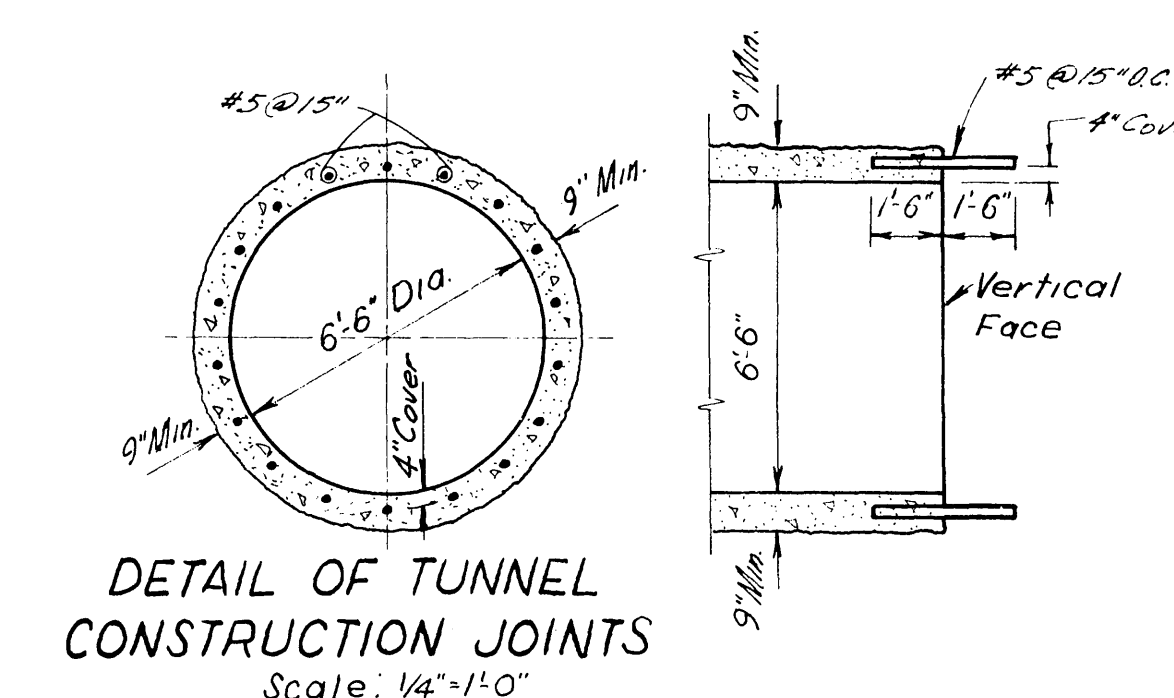
SECTION F-F
Scale: 1/4"=1'-0"



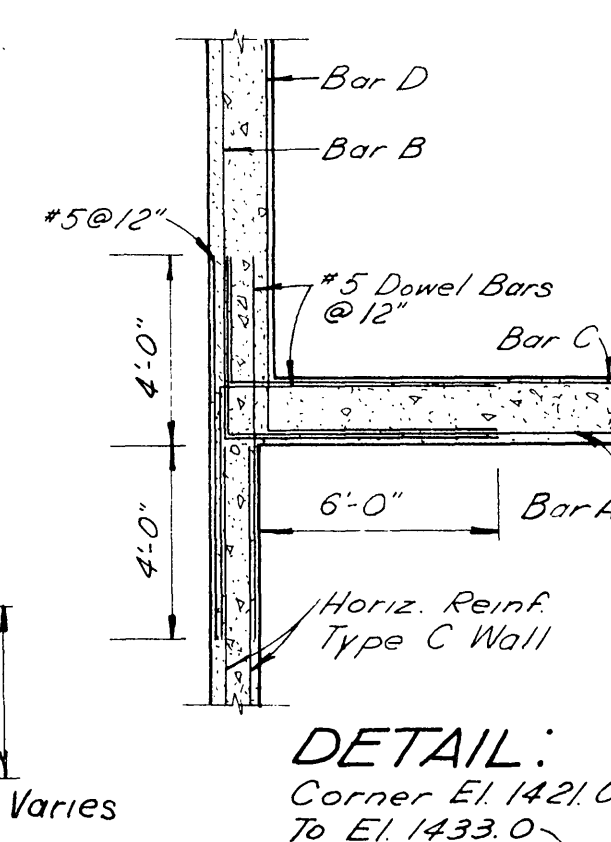
OPEN CUT SECTION
Scale: 1/4"=1'-0"



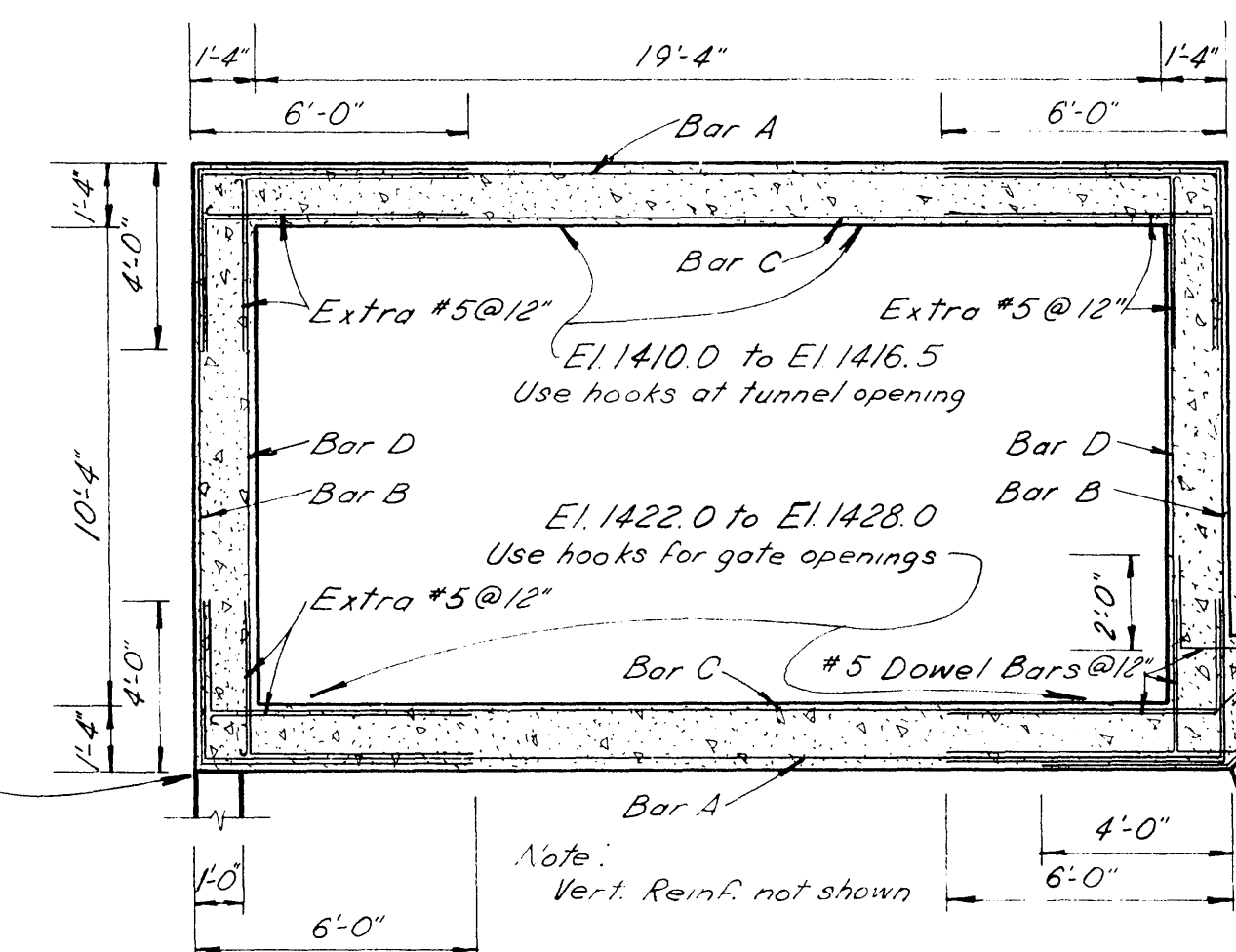
TUNNEL SECTION
Scale: 1/4"=1'-0"



DETAIL OF TUNNEL
CONSTRUCTION JOINTS
Scale: 1/4"=1'-0"

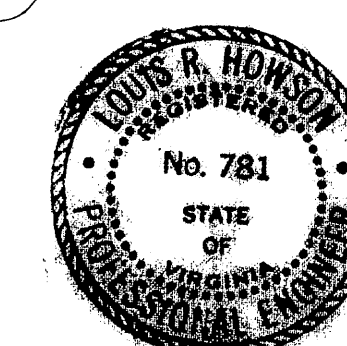


DETAIL:
Corner EI 1421.0
To EI 1433.0



SECTION G-G
Scale: 1/4"=1'-0"

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"



5

CATAWBA CREEK
DIVERSION PROJECT

INTAKE STRUCTURE
DETAILS

CITY OF ROANOKE WATER DEPT.
ROANOKE, VIRGINIA

ALVORD BURDICK & HOWSON
ENGINEERS CHICAGO
1970