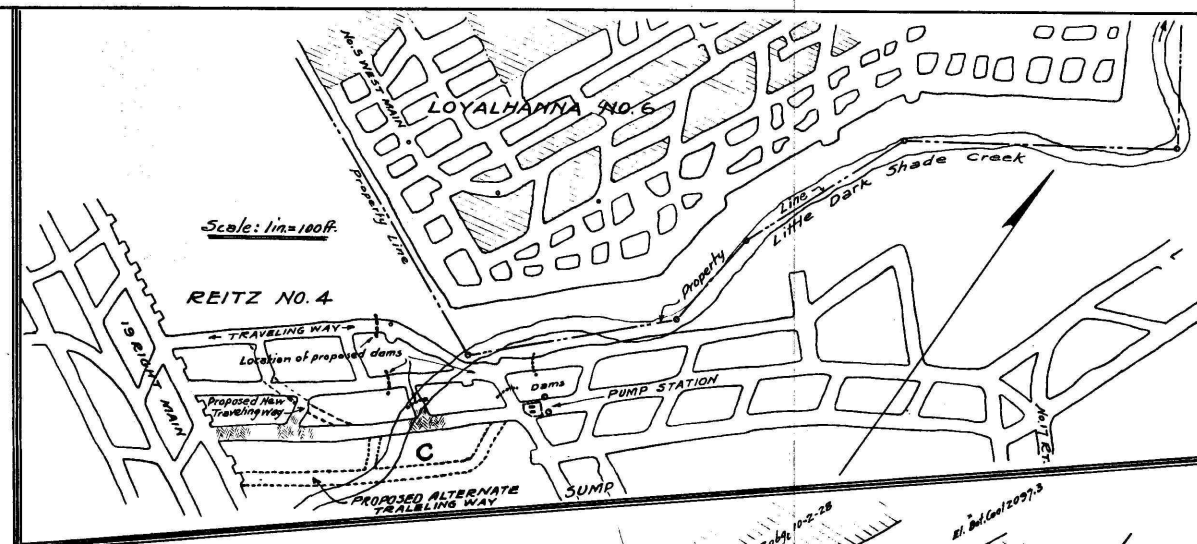


Irvin H. Bailey
Engineer.

George W. Smyth
Superintendent.

Harry C. Landis
Construction Foreman

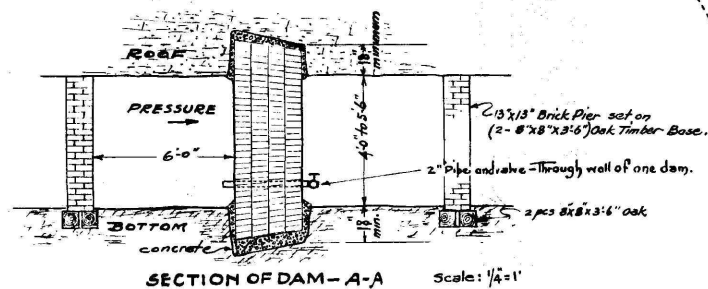
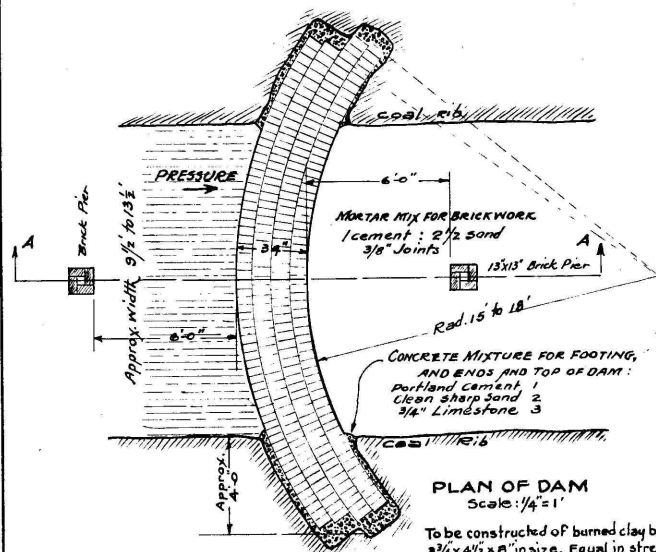


COMMISSION

Inspector 20th. Bif. District

Inspector 28th Bif. District

Inspector 24th. Bif. District.



NOTE:-
Future head of water will be 57 ft or 24.75 m. per sq. in.
Thickness of coal pillar separating water in Loyallthams Mine No.6 from Reitz Mine No.4 is 42 ft minimum.
By Prof. W.S. Aldis' formula for spherical dams, allowing a safety factor of 10; with a pressure of 25 lb. per sq. in. and with an inner radius of 15 ft, the thickness of a brick dam (crushing strength of brick- 2500 lb. per sq. in.) to resist the given pressure would be 9 1/2".

