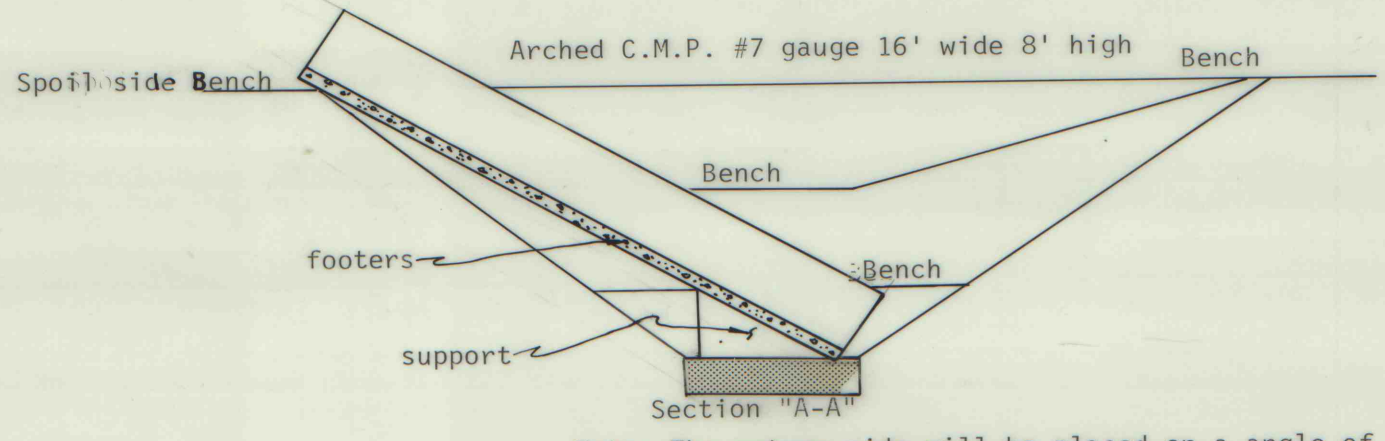
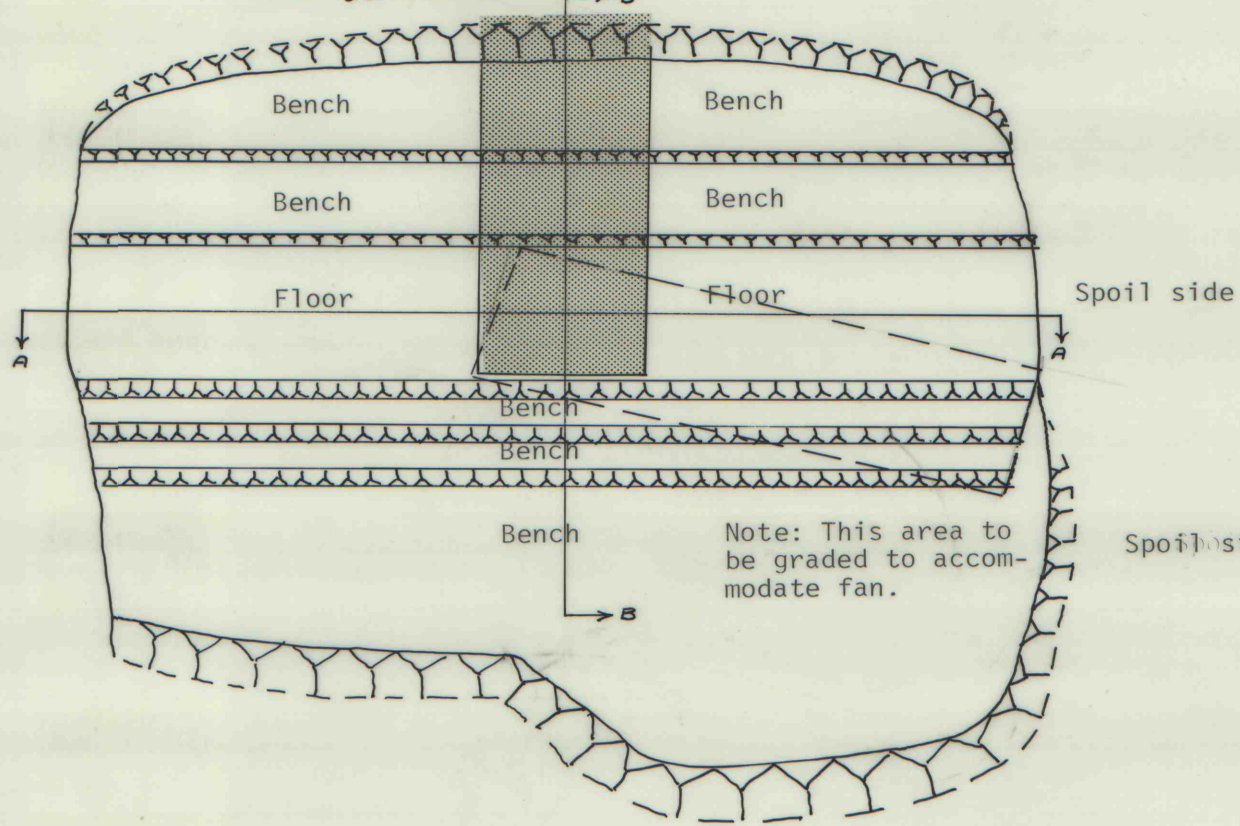
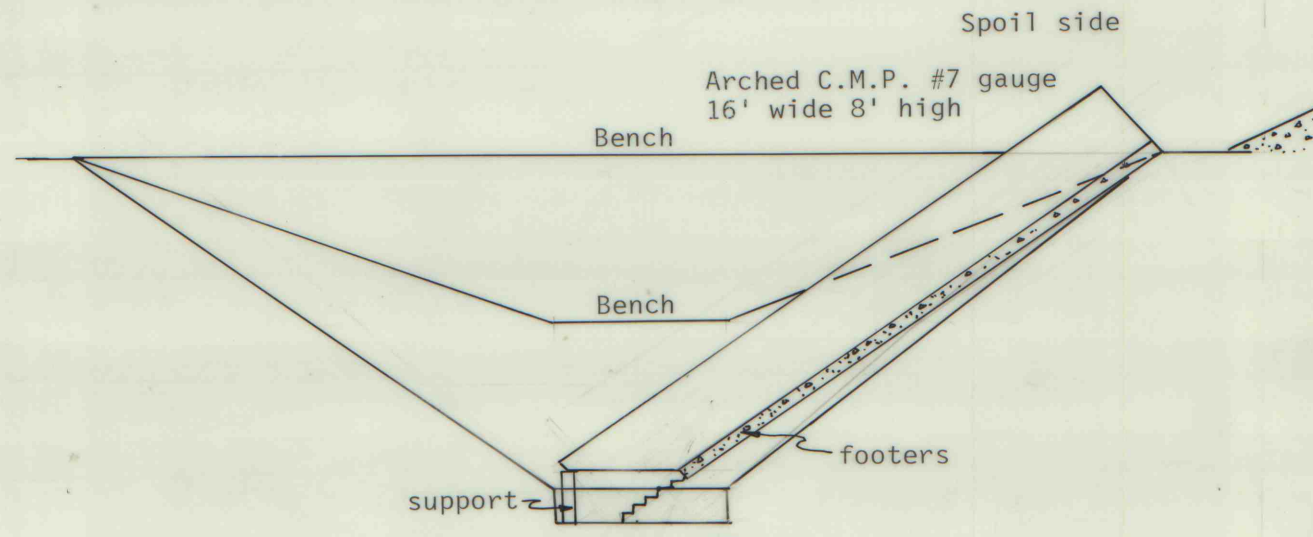
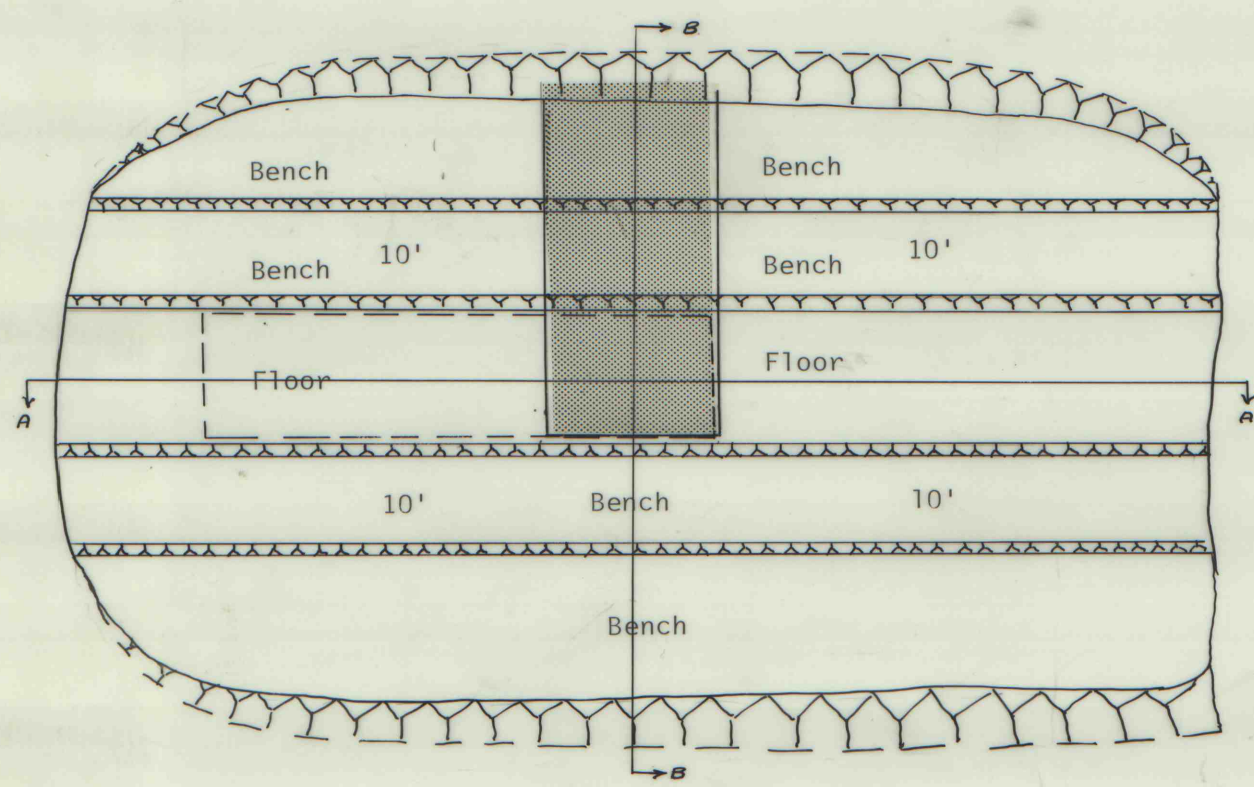
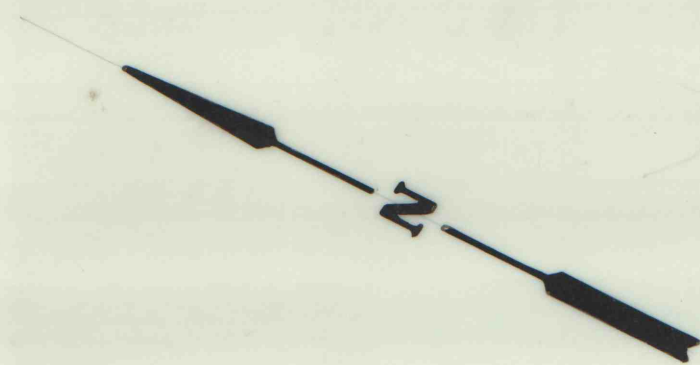
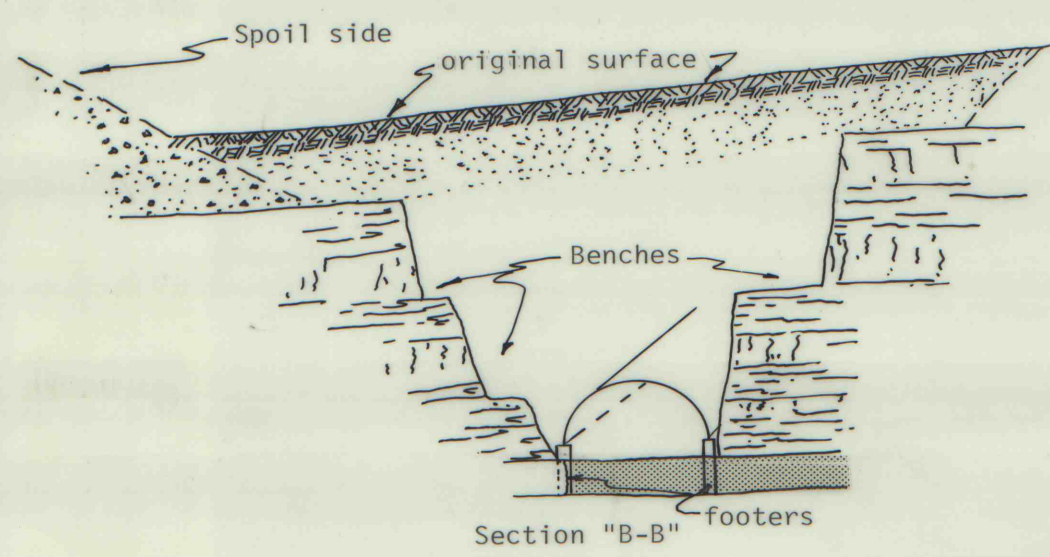


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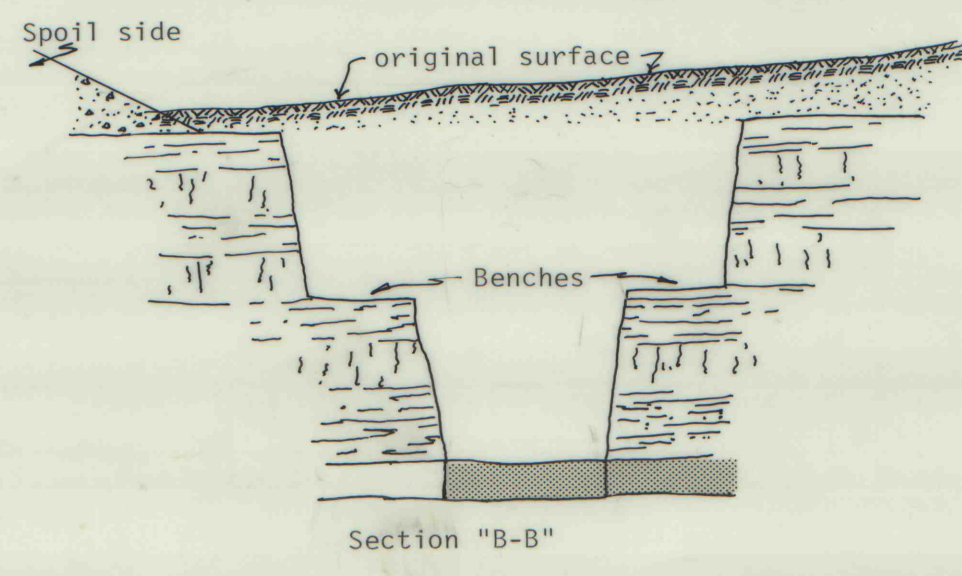


Note: The return side will be placed on a angle of approximately 33 degrees



Note: The intake side shall be placed on a angle of 38°40' to accommodate steps with a rise of 8" and a tread of 10".

NOTE: The maximum slope of any spoil bank shall be limited to 30 degrees.  
A bench of at least 10' in width shall be provided where there is a possibility of spoil material rolling into the excavated area.



ROCHESTER & PITTSBURGH COAL CO.  
Engineering Dept. Indiana, Pa.  
Emilie #5 Openings & Benches  
Scale 1"= 20'  
[Shaded box] = "E" seam mined out

INAPS # 09063

10158-96 5B.8-22-77