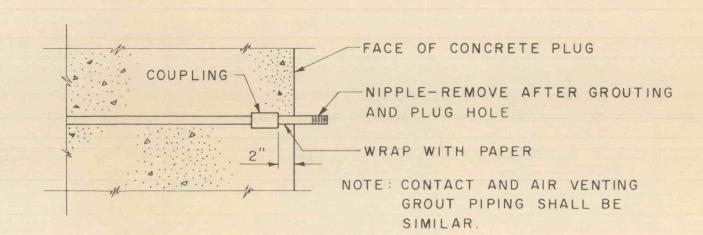
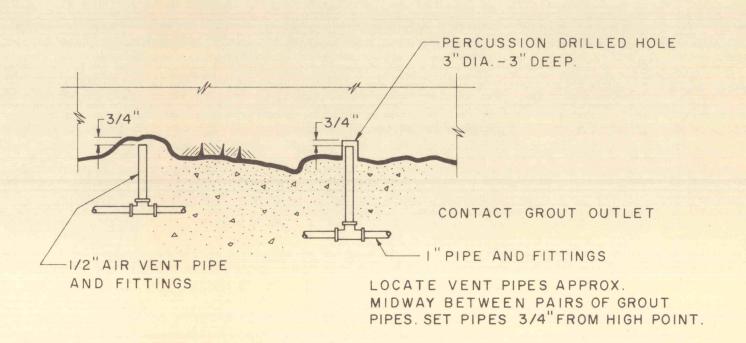


DETAIL "A"

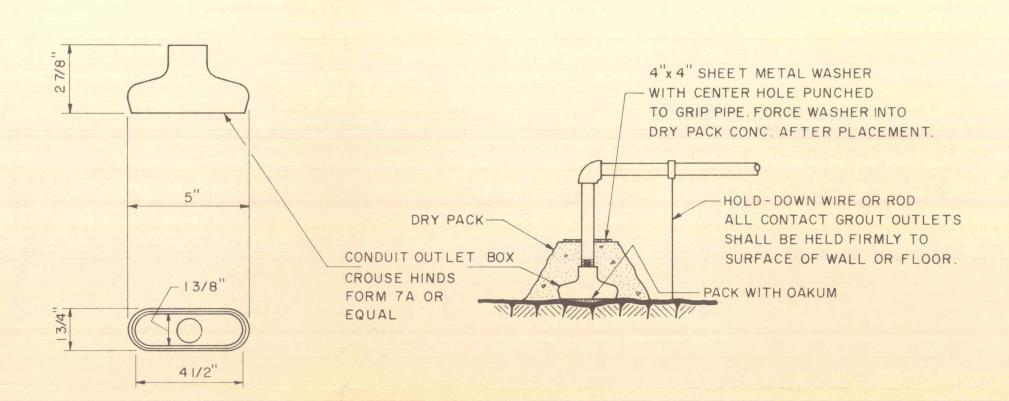


DETAIL "B"



ROOF DETAIL

CONTACT GROUTING AND AIR VENT PIPE DETAIL"C"



SIDE WALL GROUT OUTLET DETAILS

1. THE SEQUENCE OF DRILLING AND GROUTING HOLES IN BOTH THE PRE-GROUT AND POST-GROUT OPERATIONS SHALL BE AS DIRECTED BY THE ENGINEER. GENERALLY WORK SHALL START ON THE HOLES LOCATED AT THE BOTTOM CENTER OF THE SEAL AND PROGRESS UP THE SIDES, ALTERNATING WORK FROM ONE SIDE TO THE OTHER, AND THEN ACROSS THE TOP, FINISHING WITH THE TOP CENTER HOLE.

2. CONTACT GROUTING SHALL BE AS ABOVE, EXCEPT THAT CONNECTIONS TO UPSTREAM AND DOWNSTREAM PIPES SHALL BE GROUTED PROIR TO CONNECTIONS TO CENTRAL CONTACT PIPES.

MISCELLANEOUS DETAILS

DRAWN
TRACED
CHECKED

APPROVED

GANNETT FLEMING CORDDRY & CARPENTER, INC.

ENGINEERS

SCALE

CATAWISSA CREEK MINE DRAINAGE POLLUTION ABATEMENT PROJECT NO. SL-135

CROWMONWEALTH OF PENNSYLVANIA

COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF ENVIRONMENTAL RESOURCES

CATAWISSA CREEK MINE DRAINAGE POLLUTION ABATEMENT PROJECT NO. SL-135

DRAWING NO.

DATE

GROUTING DETAILS

APPROVED