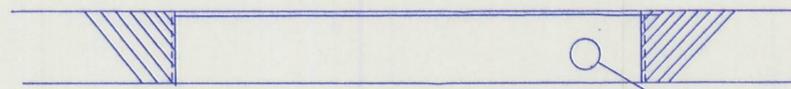


SEE HIAWATHA MINE MAP

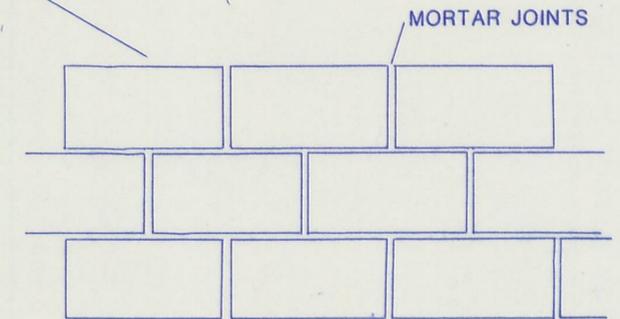
SUMP LOCATION

SCALE 1" = 100'



SCALE 1" = 5'

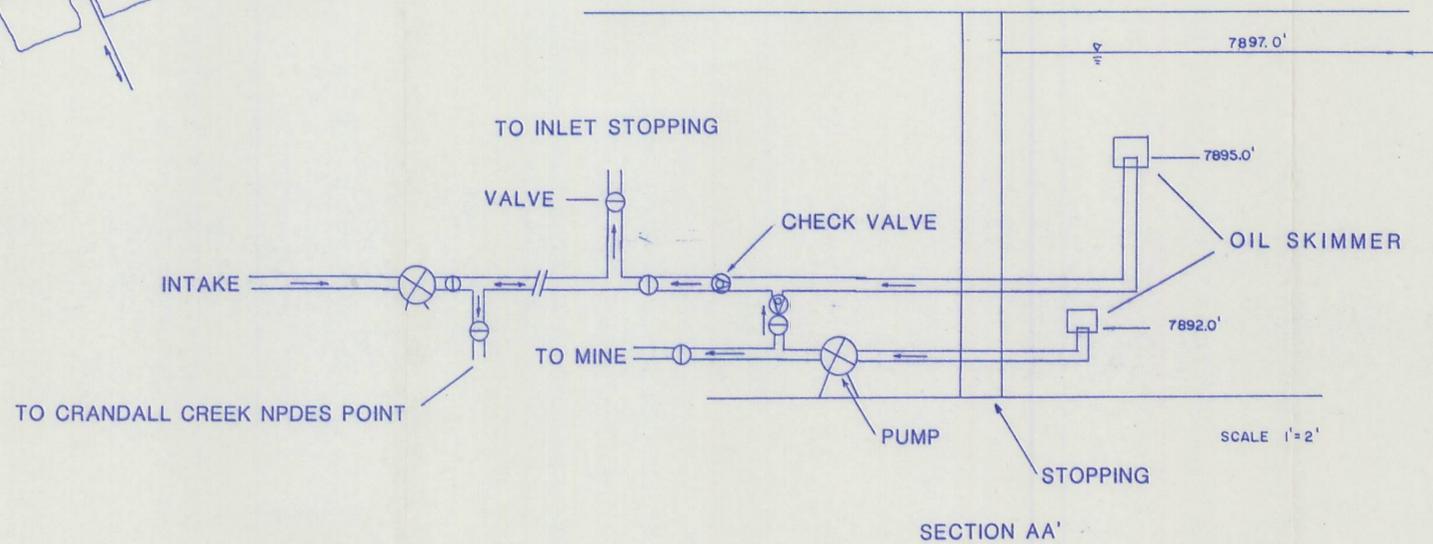
TYPICAL SUMP STOPPINGS



FIBRECRETE APPLIED BOTH SIDES
THOROUGH SEAL APPLIED INSIDE

SOLID 8"X16" CONCRETE BLOCK

SCALE 1" = 1'



SCALE 1" = 2'

RECEIVED

JAN 12 1993

DIVISION OF OIL GAS & MINING



GENWAL COAL COMPANY

PROPOSED IN-MINE SUMP

SCALE AS NOTED

ACK

PLATE 5-4

2/10/88

VOLUME 4

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