REVISIONS
PLAN
PROFILE
Warming House
OPEN SLOPE
2" Galv. 90° Elbow
900'-2" Galv. pipe
12" Corrugated culvert 60' long
Natural drainage ditch
Reservoir
160'-2" Galv. pipe
Spring
See detail "A"
2" Galv. 45° Elbow
Gravel infiltration gallery
Note: Dimensions of infiltration gallery to be determined in the field. Gallery to be large enough to intercept spring flow
Existing rock outcrop & spring
PLAN AT GRAVEL LEVEL
Note: Excavate to intercept spring so there will be a protective cover at location of collector chamber
Note: Mound clay backfill to facilitate drainage away from spring area
Clay backfill
Existing rock outcrop & spring
(Watertight)
2" Galv. pipe to reservoir
SECTION
SUGGESTED SPRING DEVELOPMENT
DETAIL "A"
No Scale
Scale: Hor. 1"=60'
Ver. 1"=20'
Spring
13+60 2" Galv. 45° Elbow
10+75 2" Galv. Elbow
Ground Profile
Place Line below frost
1+75 2" Galv. Elbow
DRAWN BY
TRACED BY
CHECKED BY
DATE 18 Dec 1951
ARCHITECTURAL
ENGINEERING
LANDSCAPE
PLATE 1-PLAN-PROFILE
MICHIGAN DEPARTMENT OF CONSERVATION
PARKS AND RECREATION DIVISION
PORCUPINE MOUNTAINS STATE PARK
WINTER SPORTS AREA WATER SYSTEM
Scale as shown
Sheet No. 2 of 2
PLAN NO. E-108