



### LEGEND

#### SYMBOLS

##### UNCONSOLIDATED MATERIAL

gravel	sand	silt	clay	lobbles
gravel, sandy	sand, gravelly	silt, gravelly	clay, gravelly	peat
gravel, silty	sand, silty	silt, sandy	clay, sandy	gyssiferous
gravel, clayey	sand, clayey	silt, clayey	clay, silty	calcareous
gravel, sand, silt	sand, silt, clay	organic silt	organic clay	

\* to be added to Standard Symbol when significant amounts of dispersed gypsum or calcified zones are present in the section.

##### CONSOLIDATED MATERIAL

###### Sedimentary Rocks

shale	sandstone	limestone	chalk	coal
calcareous shale	calcareous sandstone	cherty limestone	marl	gypsum
sandy shale	shaley sandstone	sandy limestone	cliff	conglomerate
siltstone	breccia	dolomite		

###### Metamorphic Rocks

quartzite	slate	intrusive	extrusive
gneiss	schist	metacast	
marble	soapstone	undifferentiated	
	talc	serpentine	

###### Other Symbols

- hole logged only
- hole sampled
- ↘ dip and strike
- pit or trench

#### ABBREVIATIONS

aq	aquifer	fr	fracture
car	car cavities	lam	laminated
cen	centerline	mas	massive
con	concretions	TD	total depth
US	undisturbed sample	v	very
DS	disturbed samples	w	with
drp	dripping	wea	weathered
fract	fractured	WL	water groundwater level on a specified date

#### TEST HOLE NUMBERING SYSTEM

Centerline of dam	1 99
Borrow area	101 199
Emergency spillway	201 299
Centerline of outlet structure	301 395
Stream channel	401 495
Relief wells	501 599
	601 699
	701 799

#### UNIFIED SOIL CLASSIFICATION SYSTEM SYMBOLS

GW	Well graded gravels; gravel-sand mixtures
GP	Poorly graded gravels
GM	Silty gravels; gravel-sand-silt mixtures
GC	Clayey gravels; gravel-sand-clay mixtures
SW	Well graded sands; sand-gravel mixtures
SP	Poorly graded sands
SM-1	Silty coarse sand
SM-2	Silty fine sand
SC	Clayey sands; sand-clay mixtures
ML	Silts, silty, v. fine sands; sandy or clayey silts
CL-1	Clays of low plasticity; silty, sandy or gravelly clays
CL-2	Clays of medium plasticity; silty, sandy or gravelly clays
CH	Clays of high plasticity; fat clays
MH	Elastic silts; micaceous or diatomaceous silts
OL	Organic silts and organic silty clays of low plasticity
OH	Organic clays or silts of medium to high plasticity

**NOTE:** ALL CLASSIFICATIONS ARE BASED ON FIELD ESTIMATES AND MAY BE CHANGED FOLLOWING LABORATORY ANALYSIS.

FIGURES TO THE LEFT OF DRILLHOLE LINE ARE BLOW COUNT IN BLOWNS PER FOOT, THOSE TO THE RIGHT ARE COEFFICIENTS OF PERMEABILITY IN FEET PER DAY.

PLAN AND PROFILES FOR GEOLOGIC INVESTIGATIONS  
 BRIAR CREEK W.S.  
 COLUMBIA Co., PENNA  
 FA-498

U. S. DEPARTMENT OF AGRICULTURE  
 SOIL CONSERVATION SERVICE

Investigated by: Henry R. Mason Date: 4/4/66  
 Geologist  
 Checked by: GC Johnson Date: 2-7-66  
 Title: Geologist Drawing No.: 4  
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