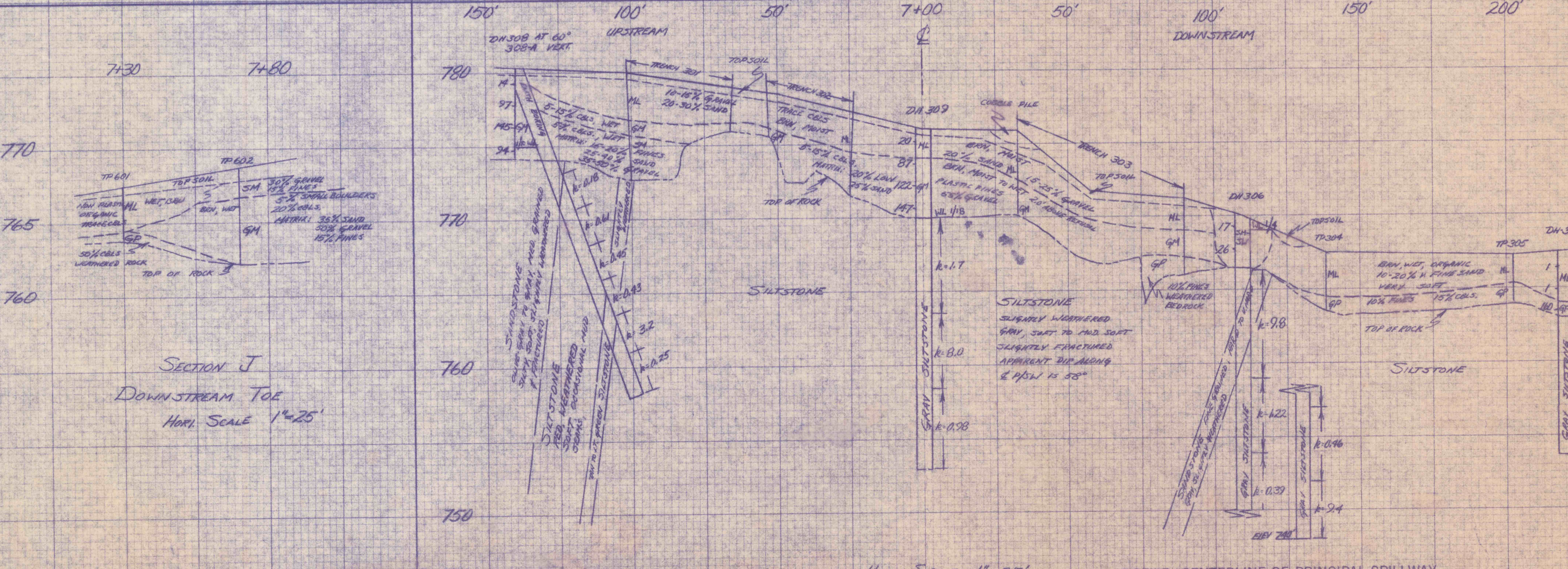


Horizontal Scale 1"=25'
 PROFILE AND GEOLOGIC SECTION: CENTERLINE OF DAM



Horizontal Scale 1"=25'
 PROFILE: CENTERLINE OF PRINCIPAL SPILLWAY

LEGEND SYMBOLS

UNCONSOLIDATED MATERIAL

gravel	sand	silt	clay	cobbles, boulders
gravel, sandy	sand, gravelly	silt, gravelly	clay, gravelly	peat
gravel, silty	sand, silty	silt, sandy	clay, sandy	gypiferous *
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	shaly sandstone	sandy limestone	chert	conglomerate
siltstone	breccia	dolomite		

Metamorphic Rocks

quartzite	state	igneous Rocks	intrusive	extrusive
gneiss	schist	pyroclastic		
marble	soapstone	talc	serpentine	Undifferentiated

Other Symbols

○ hole logged only
 ● hole sampled
 ↘ dip and strike
 ○ pit or trench

ABBREVIATIONS

aq aquifer	fri friable
cav. cavities	lam laminated
centerline	mas massive
con concretions	TD total depth
US undisturbed samples	v. very
DS disturbed samples	w/ with
dip dipping	wea weathered
frac fractured	WL (date) 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 - 399
Stream channel	401 - 499
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	Silty sand
SC	Clayey sands; sand-clay mixtures
ML	Silts; silty, v. fine sands; sandy or clayey silts
CL	Clays of low to medium plasticity; silty, sandy or gravelly clays
CH	Inorganic 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 of medium to high plasticity

PLAN AND PROFILES FOR GEOLOGIC INVESTIGATIONS
 BRIAR CREEK W.S.
 COLUMBIA CO., PENN.
 PA-498

U. S. DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE

Investigated by <i>Harry R. Mason</i>	Date <i>2/1/66</i>	Approved by <i>L.C. Johnson</i>	Title <i>Geologist</i>
Checked by <i>L.C. Johnson</i>	Date <i>2-7-66</i>	Title <i>Geologist</i>	Sheet <i>2</i>
Drawing No. <i>4</i>		No. of <i>2</i>	