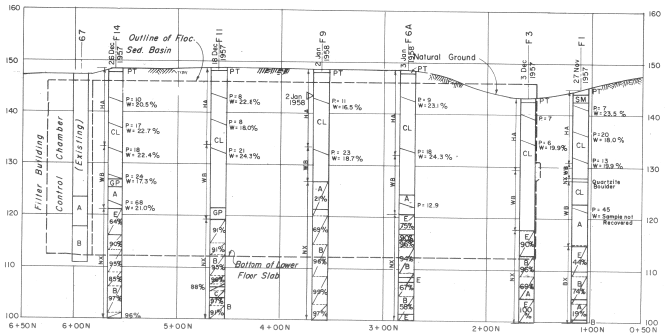
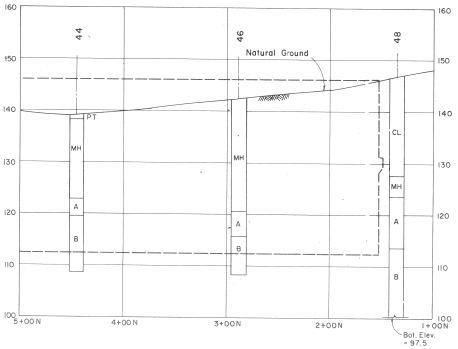
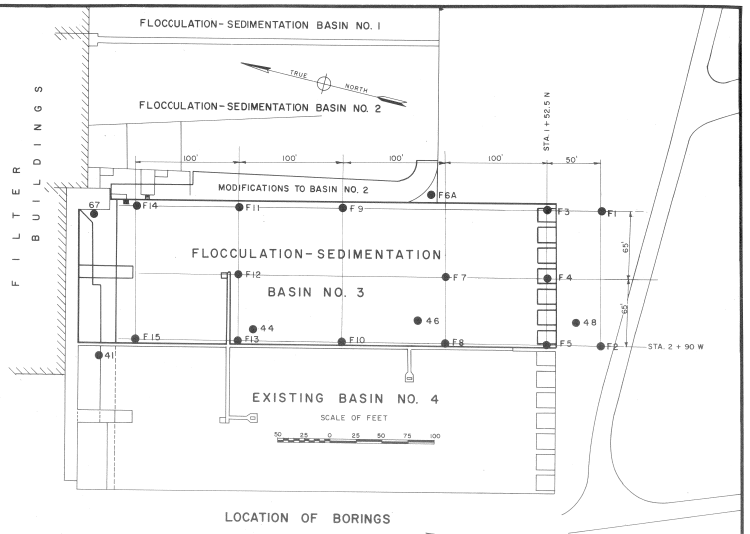
CORPS OF ENGINEERS

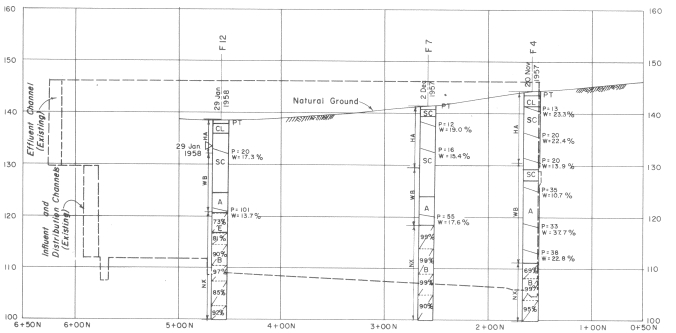
U. S. ARMY







LOCATION OF BORINGS



NOTES:

1. Borings numbered 41, 44, 46, 48 and 67 were made in 1946 prior to the construction of Basin No. 4. These borings supplement borings numbered F5, F8, F10, F13 and F15 which were taken in the area of excavation of Basin No. 4.
2. Penetration Resistance (P) is the number of blows of a 140 Lb. hammer, falling 30 inches required to drive a 2 inch O.D., 1- 3/8 inch I.D. sample spoon a distance of 1 foot.
3. ◁ Indicates the location of ground water level when encountered before wash boring started.
4. The soils were classified visually in accordance with the Army Unified Soil Classification System. The notations used are as follows:
   - PT Peat and other highly organic soils.
   - CL Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
   - SM Silty sands, sand- silt mixtures.
   - SC Clayey sands, sand- clay mixtures.
   - MH Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.
   - SP Poorly graded sands or gravelly sands, little or no fines.
   - GP Poorly graded gravels or gravel- sand mixtures, little or no fines.
5. △ The rock types are identified as follows;

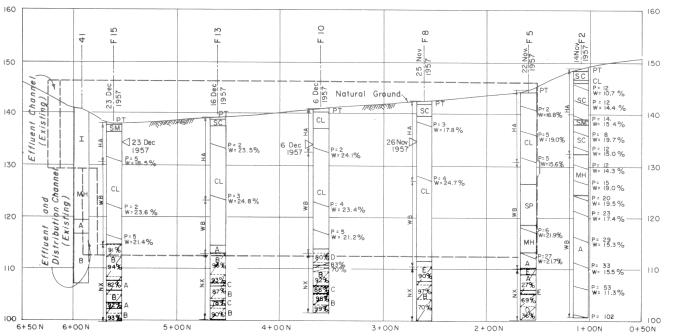
   Zone A (Type III) SCHIST, foliated, soft, poorly cemented, medium texture, closely spaced open fractures, and badly weathered. 5, 16, 20, 24, 28a and 35.

   Zone B (Type IV) SCHIST, foliated, moderately hard, medium texture, scattered tight fractures, and slightly weathered. 5, 17, 24, 27b and 34.

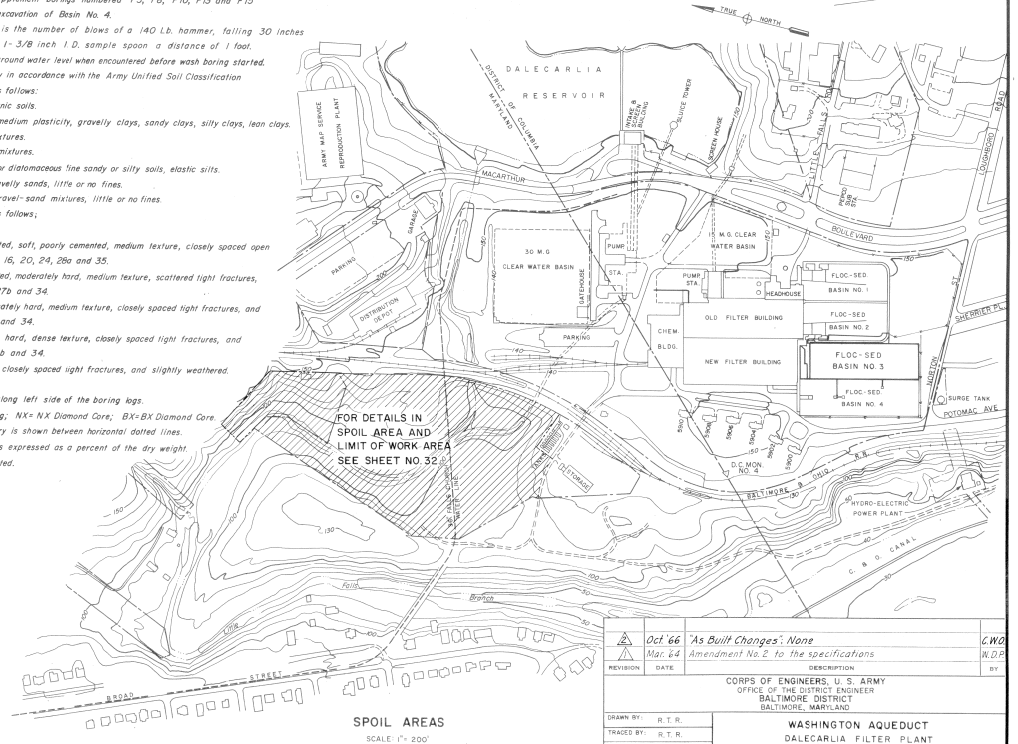
   Zone C SCHIST, foliated, moderately hard, medium texture, closely spaced tight fractures, and slightly weathered. 5, 17, 24, 28b and 34.

   Zone D QUARTZITE, siliceous, hard, dense texture, closely spaced tight fractures, and slightly weathered. 11, 18, 22, 28b and 34.

   Zone E SCHIST, foliated, soft, closely spaced tight fractures, and slightly weathered. 5, 16, 22, 28b and 34.
6. Method of coring is indicated along left side of the boring logs. HA = Hand Auger; WB = Wash Boring; NX = N X Diamond Core; BX = BX Diamond Core.
7. The percentage of core recovery is shown between horizontal dotted lines.
8. Natural moisture content (w) is expressed as a percent of the dry weight.
9. Date indicates date boring started.



PROFILE LOGS OF BORINGS



SPOIL AREAS

SCALE: 1" = 200'

FOR INFORMATION ONLY

NOTE: For locations and logs of borings in the vicinity of 84-inch Middle Spillway Conduit and Plant Drain Extension see sheet Nos. 33 and 34.

REVISION	DATE	DESCRIPTION	BY	C.W.O. / N.D.P.
2	Oct '66	"As Built Changes": None		
1	Mar. 64	Amendment No. 2 to the specifications		

CORPS OF ENGINEERS, U. S. ARMY
OFFICE OF THE DISTRICT ENGINEER
BALTIMORE DISTRICT
BALTIMORE, MARYLAND

DRAWN BY: R. T. R.
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RECOMMENDED: O. M. Watt, CHIEF, WASHINGTON AQUEDUCT DIV.
APPROVED: [signature], COLONEL, CORPS OF ENGINEERS, DISTRICT ENGINEER
APPROVED FOR: DATE

WASHINGTON AQUEDUCT
DALECARLIA FILTER PLANT
FLOCCULATION-SEDIMENTATION BASIN NO. 3
LOCATION AND LOGS OF BORINGS AND SPOIL AREAS

DATE: JAN. 1964
SCALE: AS SHOWN
SPEC. NO. CIVENG 18-020-64-59
DRAWING NUMBER 40.8-5.4
SHEET 4 OF 34

40.8-5.4