



DESCRIPTION OF SOIL CLASSES

- 1 Graded from Gravel to Coarse Sand—Contains little medium sand.
- 2 Coarse to Medium Sand—Contains little gravel and fine sand.
- 3 Graded from Gravel to Medium Sand—Contains little fine sand.
- 4 Medium to Fine Sand—Contains little coarse sand and coarse silt.
- 5 Graded from Gravel to Fine Sand—Contains little coarse silt.
- 6 Fine Sand to Coarse Silt—Contains little medium sand and medium silt.
- 7 Graded from Gravel to Coarse Silt—Contains little medium silt.
- 8 Coarse to Medium Silt—Contains little fine sand and fine silt.
- 9 Graded from Gravel to Medium Silt—Contains little fine silt.
- 10 Medium to Fine Silt—Contains little coarse silt and coarse clay. Possesses behavior characteristics of silt.
- 10c Medium Silt to Coarse Clay—Contains little coarse silt and medium clay. Possesses behavior characteristics of clay.
- 11 Graded from Gravel or Coarse Sand to Fine Silt—Contains little coarse clay.
- 12 Fine Silt to Clay—Contains little medium silt and fine clay (colloids). Possesses behavior characteristics of silt.
- 12c Clay—Contains little silt. Possesses behavior characteristics of clay.
- 13 Graded from Coarse Sand to Clay—Contains little fine clay (colloids). Possesses behavior characteristics of silt.
- 13c Clay—Graded from sand to fine clay (colloids). Possesses behavior characteristics of clay.

SECTION ON ORIGINAL § OF DIKE AFTER SLIDE

LEGEND:

- B.H. - Bore hole
- L.S. - Landside of dike §
- R.S. - Riverside of dike §
- Badly weathered or decayed rock.
- Slightly weathered and fractured, - core recovery between 50% and 75%
- Relatively fresh or unweathered bedrock, - core recovery greater than 75%

NOTES:

All borings were drilled after dike slide.  
For plan of borings, see Sheet No. 2  
Soil samples were classified by visual inspection.  
Classes 10, 10c, 12, and 12c occur in thin interstratified layers.  
Numbers in circles indicate blows required to drive 2 inch O.D. sample spoon one foot with 350 pound hammer, except at BH-372 where a 300 pound hammer was employed.  
Measurements on free ground water surface are not available. Water in clay foundation is under pressure; piezometric surface ranges from ground surface to about 13 feet below.

KEY	DATE	REVISION (Indicated by Δ)	REV. BY	CHK. BY	AP. BY
	12/31/45	As-Built			

CONNECTICUT RIVER FLOOD CONTROL		
HARTFORD DIKE		
HARTFORD, CONN.		
RECONSTRUCTION AT SLIDE STA. 44+45.68 TO STA. 65+00		
FOUNDATION DRAIN WELLS STA. 52+30 ± TO STA. 60+10 ±		
HIRED LABOR		
GEOLOGIC SECTION		
CONNECTICUT RIVER		CONNECTICUT
IN 4 SHEETS	SCALE- HOR. 1 IN. = 100 FT. VER. 1 IN. = 10 FT.	SHEET NO. 4
U. S. ENGINEER OFFICE, PROVIDENCE, R.I., JAN. 1942		
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FILE NO. CT.-2-1336		