

Part 531 – Geology

Subpart C – Geologic Investigations for Group B Structures

§IA531.20 Embankments and Other Ground-Disturbing Practices

A. Requirements

- (4) Geologic investigations for Group B1 structure sites will include:
 - (i) A minimum of two test holes on structure centerline
 - (ii) A minimum of one test hole in each potential borrow area
 - (iii) Additional test holes on centerline as needed to adequately identify and correlate subsurface materials, and to identify geologic hazards and limitations that could potentially affect planning or design
 - (iv) One large disturbed sample from each potential borrow area
 - (v) Disturbed samples for laboratory analysis, as deemed necessary by the geologist to adequately characterize the subsurface

- (5) Geologic investigations for Group B2 structure sites will include:
 - (i) A minimum of one test hole in the channel bottom on structure centerline
 - (ii) Additional test holes as needed to adequately characterize the subsurface conditions and identify geologic limitations that could potentially affect design
 - (iii) Samples for laboratory analysis are not usually necessary.
 - (iv) Structures planned where experience or information is limited, or where geologic conditions are complex or unpredictable, are classed as Group B1 structures and require investigation by an NRCS geologist (Refer to §531.1.A.2. and §531.3.C.)

F. As-Built Investigations

- (2) As-built geologic investigation of Group B1 and B2 structures is not required. However, the field engineer is encouraged to contact a geologist when conditions are found during construction that jeopardize long-term performance of the structure or significantly hinder construction activities.