

**APPENDIX G  
OUTLINE OF REPORT ON ENGINEERING CONSIDERATIONS  
AND INSTRUCTIONS TO FIELD PERSONNEL**

**G-1. General**

It is essential that all of the construction personnel associated with the construction of any project be familiar with the design criterion, material requirements, operational performance, and all special details of the project. To accomplish this and to ensure that field personnel are aware of the design assumptions regarding field conditions the designers will prepare a short report entitled "Engineering Considerations and Instructions for Field Personnel." This report shall also provide guidance for critical portions of the contract documents. The report shall be augmented by briefings, instructional sessions, and guidance for laboratory testing. Field personnel can provide important input to the design process and shall be consulted as the design progresses. Field personnel shall review the report before it is published in final form.

**G-2. Content**

The report format shall include, but not be limited to, the following:

G-2.1. *Introduction.*

G-2.1.1. Purpose.

G-2.1.2. Scope.

G-2.2. *Excavation.*

G-2.2.1. General.

G-2.2.2. Common.

G-2.2.3. Rock.

G-2.2.4. Dewatering.

G-2.2.5. Stockpiles.

G-2.3. *Foundation cleanup and preparation.*

G-2.4. *Care and diversion of water.*

G-2.5. *Drilling and grouting.*

G-2.5.1. General.

G-2.5.2. Floodplain.

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G-2.5.3. Abutments.

G-2.5.4. Exploratory drilling.

G-2.6. *Dam construction (embankment or concrete).*

G-2.6.1. General.

G-2.6.2. Materials.

G-2.6.3. Processing.

G-2.6.4. Batch plants.

G-2.6.5. Placement.

G-2.6.6. Compaction.

G-2.6.7. Backfill and structures.

G-2.6.8. Drainage materials and drains.

G-2.7. *Slope protection.*

G-2.8. *Instrumentation.*

G-2.9. *QC/QA testing.*

G-2.10. *Special requirements for construction.*

G-2.11. *Architectural requirements.*

G-2.12. *Operational facilities.*

G-2.13. *Special environmental considerations or procedures.*