
CONSTRUCTION SPECIFICATION
INSTRUCTION FOR USE
CS-I-OR-007 CONSTRUCTION SURVEYS

007.1 APPLICABILITY

Construction Specification CS-OR-007 is applicable to all projects requiring the contractor to provide construction surveys, layout, and measurement from government established baselines and bench marks; to provide quantity surveys, measurements, and computations and to provide original and final surveys for final quantity determinations.

007.2 MATERIAL SPECIFICATIONS

No material specifications complement Construction Specification CS-OR-007. Any material requirements are to be specified in Section 007.8 Items of Work and Construction Details.

007.3 INCLUDED ITEMS

Items to be included in contract specifications and drawings follow:

- a) Baselines, bench marks, and all other basic survey control information to be provided by the government are to be indicated on the drawings.
- b) Number of copies, format and timing of the submittal of survey data, notes, computations and other such information is provided to the engineer by the contractor.
- c) Special requirements for advance notification of surveys to be performed by the contractor.
- d) Quality of any material, as applicable. Example may be the providing of permanent reference stakes.
- e) Qualifications of construction survey personnel, such as qualified construction personnel, certified or licensed land surveyors, or registered engineers. Provide a list outlining the minimum requirements expected.
- f) Special requirements for staking, such as offset reference stakes and hubs for excavations and fills.

- g) Requirements other than the standards of the industry, such as being consistent with NRCS procedures or higher levels of accuracy than those specified. Precision and accuracy are described in Engineering Field Handbook (EFH) chapter 1.
- h) Any special surveys to be performed by either the contractor or the government that are not listed in Section 007.5 Construction Surveys.

007.5 ITEMS OF WORK AND CONSTRUCTION DETAILS

Starting at the top of page 007-4, prepare and outline job specific "Items of Work and Construction Details" (IWCD) in accordance with these instructions.