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Geodetic and Control Surveying

By U. S. Army Corps Of Engineers

University Press of the Pacific. Paperback. Book Condition: New. Paperback. 112 pages. Dimensions: 10.9in. x 8.0in. x 0.4in. This manual provides technical specifications and procedural guidance for control and geodetic surveying. It is intended for use by engineering, topographic, and construction surveyors performing control surveys for civil works, military construction, and environmental restoration projects. Procedural and quality control standards are defined to establish uniformity in control survey performance and contract administration. A geodetic control survey consists of establishing the horizontal and vertical positions of points for the control of a project or installation site, map, GIS, or study area. These surveys establish three dimensional point positions of fixed monuments, which then can provide the primary reference for subsequent engineering and construction projects. These control points also provide the basic framework from which detailed site plan topographic mapping, boundary demarcation, and construction alignment work can be performed. Precisely controlled monuments are also established to position marine construction vessels supporting the Corps navigation mission - e. g. , the continuous positioning of dredges and survey boats. Geodetic control survey techniques are also used to effectively and efficiently monitor and evaluate external deformations in large structures, such as locks and dams. This manual covers...

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Reviews

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