



\\denverwater.org\shares\survey\Operations\Manual\Standards\Geodetic Control\Exhibits\Survey Control Types.dwg ### SURVEY PLAT 22X34 9/18/2023 9:51 AM

	Static Observations Required	RTK Permitted	Conventional Permitted	Digital Level Required	VRS Permitted	Monumentation Requirements	Network Adjustment	Deliverable Required	Must Reference
Primary Control Network	X		X			X	X	X	RTX / Opus
Project Control Network	X		X	X		X	X	X	Primary Control Network
Project Control		X	X	X		X		X	Primary Control Network
Secondary Control		X	X			X			Primary Control Network Or Project Control Network
Tertiary Control		X	X		X				All References Permitted

Primary Control Network – A control network defined and published by Denver Water Survey Section that form the basis for all other control (Project Control Network, Project Control, Secondary Control, Tertiary Control, etc.). The Primary Control Network is made up of a collection of physical markers with geodetic and grid values meeting or exceeding Control Quality Level 1.

Project Control Network – A network of control points delivered to a Contractor to be used as primary control for a given Denver Water engineering project that meets the minimum requirements of Control Quality Level 1. A Project Control Network will include or reference at least one Denver Water Primary Control point when available.

Project Control – A group of control points for internal or external use that meet the minimum requirements of Control Quality Level 2. Project control will include or reference at least one Denver Water Primary Control point when available.

Secondary Control – Control set from the Denver Water Primary Control Network or a Project Control Network meant to supplement higher order control when necessary. Secondary control should be considered temporary and must meet the minimum requirements of Control Quality Level 2.

Tertiary Control – Control set that meets the minimum requirements of Control Quality Level 3

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No	Date	Description
REVISIONS		

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 0 1"
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PT NO: X
 DRAWN BY: X

CHKD BY:

CHKD BY:

APPD BY:
 DATE: September 28, 2022

CONTRACT:

AS-BUILT DATE:

AS-BUILT BY:

DRAWING TITLE

X