

VALLEY CENTER
MUNICIPAL WATER DISTRICT

STANDARD SPECIFICATIONS FOR
DESIGN AND CONSTRUCTION

SECTION 2:
Design Guidelines



Latest Revision: DECEMBER 2025

29300 Valley Center Road - P.O. Box 67
Valley Center, CA 92082 (760) 735-4500

SECTION 2 DESIGN GUIDELINES

LATEST REVISION

GENERAL

1.1	Drafting Guidelines.....	DECEMBER 2025
1.2	AutoCAD Guidelines.....	MARCH 2020
1.3	NOT USED	
1.4	NOT USED	
1.5	Easements and Encroachments.....	MARCH 2020
1.6	Survey Standards Guideline.....	MARCH 2020
1.7	Record Drawing Guidelines.....	MARCH 2020

PRIVATE DEVELOPMENT PROJECTS

2.1	Procedural Guidelines.....	MARCH 2020
2.2	Development Plan & Permit Processing Procedures.....	MARCH 2020
2.3	Water Facility Guidelines.....	MARCH 2020
2.4	Sewer Facility Guidelines.....	MARCH 2020

AGENCY IMPROVEMENT PROJECTS

3.1	District Capital Improvement Projects.....	MARCH 2020
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PLANNING

4.1	Water Planning (PENDING)	
4.2	Sewer Planning (PENDING)	
4.3	NOT USED	
4.4	Sub-Area Master Plan Development.....	MARCH 2020
4.5	NOT USED	
4.6	National Pollutant Elimination System (NPDES).....	MARCH 2020
4.7	Other Agency Permits.....	MARCH 2020

WATER PIPELINE DESIGN

5.1	Pressure Pipeline Design.....	JULY 2021
5.2	Thrust Restraint and Anchor Blocks.....	MARCH 2020
5.3	Line Valves Selection and Placement.....	MARCH 2020
5.4	Fire Hydrants and Fire Services.....	MARCH 2020
5.5	Air Valves.....	MARCH 2020
5.6	Blowoffs.....	MARCH 2020
5.7	Water Services and Test Stations.....	MARCH 2020

SEWER PIPELINE DESIGN

6.1	Gravity Sewer Pipeline Design.....	MARCH 2020
6.2	Sewer Manholes and Cleanouts.....	MARCH 2020
6.3	Sewer Laterals.....	MARCH 2020
6.4	Pressure Systems (Force Mains).....	MARCH 2020

RESERVOIR DESIGN (PENDING)

7.1	Storage Facilities	
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SECTION 2 DESIGN GUIDELINES

LATEST REVISION

CONTROL VALVES (PENDING)

- 8.1 Pressure/Flow Control Stations
- 8.2 Vaults

WATER PUMP STATION DESIGN (PENDING)

- 9.1 Water Pump Station Design
- 9.2 Structural Guidelines
- 9.3 Noise Control Guidelines

SEWAGE PUMP STATION DESIGN (PENDING)

- 10.1 Sewage Pump (Lift) Station Design

APPENDIX

1.1A	Hatching and Patterning.....	MARCH 2020
1.1B	Leader Lines.....	MARCH 2020
1.1C	Detail and Section Callouts.....	MARCH 2020
1.1D	Title Sheets.....	DECEMBER 2025
1.1E	Plan and Profile Sheets.....	MARCH 2020
1.1F	Detail Sheet.....	DECEMBER 2025
1.2	CAD Templates.....	DECEMBER 2025
2.2A	Water Plan Checklist.....	MARCH 2020
2.2B	Plan Improvement Notes.....	MARCH 2020
2.2C	Bond Estimate Worksheet.....	MARCH 2020
2.3A	SWRCB Separation Guideline.....	MARCH 2020
2.4	Private Onsite Low Pressure Wastewater Collection Systems.....	MARCH 2020