

VALLEY CENTER  
MUNICIPAL WATER DISTRICT

STANDARD SPECIFICATIONS FOR  
DESIGN AND CONSTRUCTION

SECTION 2:  
Design Guidelines



**Latest Revision: JUNE 2022**

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.....	JUNE 2022
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
-----	--	------------

## **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	
-----	--------------------	--

# 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.....	MARCH 2020
1.1E	Plan and Profile Sheets.....	MARCH 2020
1.1F	Detail Sheet.....	MARCH 2020
1.2	CAD Templates.....	JUNE 2022
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