

MANHOLE FRAME & COVER PER DETAIL S7. ONE (1) BOLT HOLE TO BE CENTERED OVER LADDER. SEE S2 FOR OPENING LOCATION.

REINFORCED CONC. COLLAR IN UNPAVED AREAS. SEE NOTE 5.

ADJUSTMENT RINGS, HEIGHT & MATERIALS TO BE APPROVED BY DISTRICT, 8" TOTAL HEIGHT MIN, 18" MAX

FINISHED GRADE

GROUT BETWEEN RINGS AND OUTSIDE FACE

24" DIA.

OFFSET CONE

FIRST STEP OF LADDER BELOW THROAT

48" MIN. INSIDE DIAMETER PRECAST MANHOLE

POLYPROPYLENE MANHOLE STEPS AT 12" O.C. OVER THE BENCH

GROUT LIFT HOLES INSIDE AND OUTSIDE

RUBBER GASKET TO SEAL. GROUT IF NECESSARY

MANHOLE DIAMETER
48": STANDARD
54": DEPTH=18FT
60": PIPE DIA.=15"
72": PIPE DIA.=24"

POLYPROPYLENE LADDER POURED INTO THE BENCH OR BOLTED TO THE WALL

SEE NOTE 1 FOR PIPE CONNECTION

10' MIN.

SLOPE 3/8"/FT

3/4 PIPE DIA

GROUT FILL

FLOW

12" MIN FOUNDATION GRAVEL

UNDISTURBED EARTH, SEE DETAIL G7 FOR UNSUITABLE EXCAVATION

NOTES:

1. PIPE CONNECTIONS TO MANHOLES SHALL BE AS FOLLOWS: CORE THE MANHOLE AND CONNECT SEWER PIPE WITH A WATER TIGHT FLEXIBLE RUBBER BOOT IN MANHOLE WALL, KOR-N-SEAL BOOT OR EQUAL.
2. DROP OF GRADE THRU MANHOLE SHALL BE 0.10', UNLESS OTHERWISE APPROVED.
3. MINIMUM DEPTH OF MANHOLE SHALL BE 8' UNLESS APPROVED BY THE DISTRICT.
4. INSTALL GREEN CARSONITE FIBERGLASS MANHOLE MARKERS IN EASEMENTS.
5. POUR 4'-0" DIAMETER BY 12" THICK CONCRETE COLLAR AROUND ALL MANHOLE COLLARS IN UNPAVED AREAS. REINFORCE WITH #5 REBAR.



Silver Lake Water & Sewer District

SANITARY SEWER MANHOLE SECTION

DATE: 11-2022	DWG: S1
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