



SECTION A

NOTES:

- 1 - THE MINIMUM DIAMETER OF ANY MANHOLE THAT HAS A TOTAL OF 3 OR MORE, 8-INCH OR LARGER PIPES ENTERING AND/OR LEAVING IT, OR ANY PIPE GREATER THAN 15 INCHES IN DIAMETER ENTERING OR LEAVING IT, SHALL BE 60 INCHES UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT. THE MINIMUM DIAMETER FOR ALL OTHER MANHOLES SHALL BE 48 INCHES.
- 2 - CONCRETE MANHOLES SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI AND CONFORM TO ASTM C478 SPECIFICATIONS.
- 3 - MANHOLE BASES SHALL BE PRECAST.
- 4 - ALL MANHOLES MUST HAVE A CONCENTRIC CONE UNLESS OTHERWISE APPROVED. FLAT TOP LIDS ARE NOT PERMITTED.
- 5 - THE MINIMUM DEPTH SHALL BE 5.5 FEET FROM BOTTOM OF FLOW LINE TO FINISHED GRADE. THE TOP OF THE CONE (WHICH MAY BE ADJUSTED AS NECESSARY WITH 1, 6-INCH CONCRETE GRADE RING) SHOULD BE NO LESS THAN 12 INCHES BELOW THE FINISHED GRADE AND NO MORE THAN 16 INCHES BELOW THE FINISHED GRADE. A CAST-IN-PLACE RISER/COLLAR WITH THERMOPLASTIC FORM IS REQUIRED.
- 6 - THE LID AND HARDWARE OF ALL MANHOLES SHALL BE KEPT OUT OF THE CURB AND GUTTER.
- 7 - FLOW CHANNELS THROUGH MANHOLES SHALL HAVE 0.2 FOOT SLOPE OR MATCH THE ENGINEERED SLOPE OF PIPE. FLOW CHANNELS SHALL BE REQUIRED FOR ALL SEWER LINES, INCLUDING BUILDING SEWERS, THAT PASS THROUGH OR ENTER A MANHOLE. FLOW CHANNELS SHALL BE SMOOTH AND SEMI-CIRCULAR IN CROSS SECTION AND SHALL MATCH THE PIPE DIAMETER.
- 8 - MANHOLE STEPS ARE NOT PERMITTED.
- 9 - MANHOLES SHALL BE BEDDED WITH A MINIMUM OF 24 INCHES OF IMPORTED 2-INCH GRADED GRAVEL. GRAVEL BEDDING SHALL EXTEND A MINIMUM OF 12 INCHES OUTSIDE THE OUTSIDE LIMITS OF THE BASE SECTION.
- 10 - EXTRA CARE MUST BE TAKEN TO PROPERLY BED AND HAUNCH PIPE CONNECTIONS TO MANHOLES TO AVOID SETTLEMENT AND/OR SHIFTING OF PIPES.

SCALE: NONE

ORIGINAL	
11/01/2021	LBH
REVISIONS	
09/15/2022	LBH

SOUTH DAVIS SEWER DISTRICT

PRECAST MANHOLE DETAIL



SHEET:

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