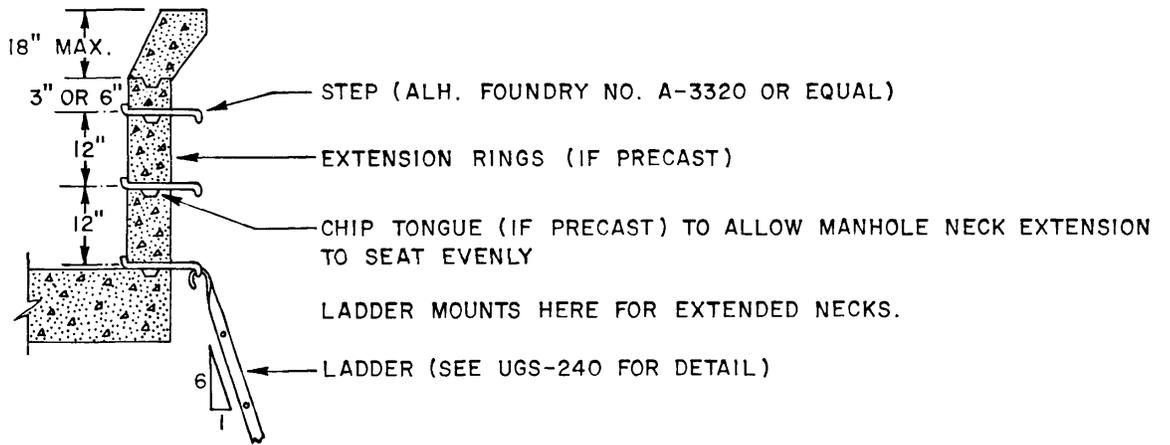
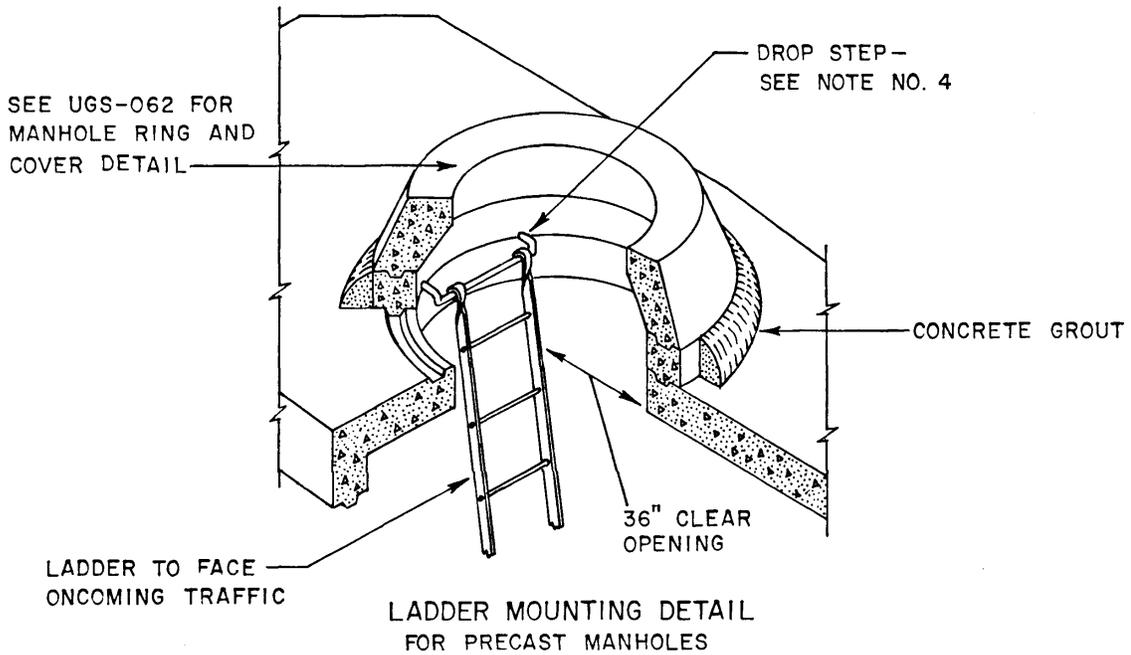


LADDER INSTALLATION FOR MANHOLES

RIVERSIDE PUBLIC UTILITIES DEPT.—UNDERGROUND STRUCTURES



TYPICAL CROSS SECTION STEP INSTALLATION
FOR EXTENDED MANHOLE NECK

NOTES:

1. LADDERS REQUIRED ONLY FOR MANHOLES IN EXCESS OF 10 FEET (FROM FLOOR TO MANHOLE COVER). LADDERS NOT REQUIRED FOR MANHOLES 10' OR LESS IN HEIGHT.
2. OFFSET BASE OF LADDER ONE FOOT FOR EACH SIX FEET OF VERTICAL RISE.
3. SPACING OF STEPS SHALL BE THE SAME AS SHOWN ABOVE IF NECK IS POURED IN PLACE.
4. INSTALL ADDITIONAL STEPS AT 12" INTERVALS.
5. WHEN SPECIFIED, CONTRACTOR IS TO INSTALL LADDER AND LEAVE IN PERMANENT POSITION AT COMPLETION OF CONTRACT.