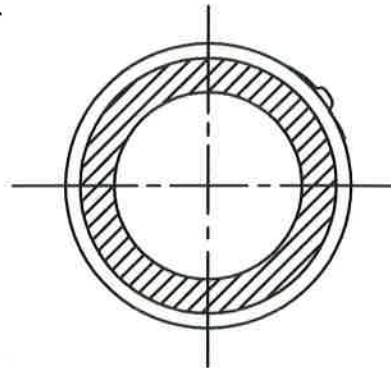


PIPE SIZE	NUMBER OF STRIPS OF RAM-NEK	WIDTH OF GALVANIZED STEEL COLLAR	NUMBER OF STAINLESS STEEL BANDS
6"	3	9"	3
8"	3	9"	3
10"	5	12"	5
12"	5	12"	5



1. SEWER REPAIR CLAMP TO BE USED ON PIPE NOT GREATER THAN 12" IN DIAMETER.
2. SEWER REPAIR CLAMP NOT TO BE USED ON GAPS GREATER THAN 1/2".
3. PIPE SHALL BE CLEANED OF DIRT, GREASE, ETC., WITH SCRUB-BRUSH AND CLEAN WATER AND ALLOWED TO DRY BEFORE APPLYING CLAMP. THE CRACKED PIPE SHALL BE REALIGNED TO THE SLOPE OF ADJACENT PIPE BEFORE INSTALLING THE CLAMP.
4. THE AREA ON THE PIPE WHICH THE CLAMP IS TO BE APPLIED SHALL BE GIVEN A THIN COAT ROOFING CEMENT.
5. STRIPS OF "RAM-NEK" ARE TO BE APPLIED TO THE PIPE SUCH THAT NO STRIP STRETCHES MORE THAN 1". ADJACENT STRIPS OF "RAM-NEK" SHALL ABUT EACH OTHER BUT NOT OVERLAP. THE "RAM-NEK" SHALL COMPLETELY SURROUND THE PIPE WITH ONE TURN OF "RAM-NEK" CENTERED OVER THE CRACK. THE "RAM-NEK" SHALL BE APPLIED TO THE PIPE ONE LAYER THICK. AN EQUAL NUMBER OF STRIPS OF "RAM-NEK" SHALL BE PLACED ON ALTERNATE SIDES OF THE STRIP WHICH LIES OVER THE CRACK. HOWEVER, IN THE CASE OF CORRUGATED CONCRETE PIPE, SEVERAL LAYERS OF "RAM-NEK" SHALL BE APPLIED IN THE DEPRESSIONS SO AS TO PRESENT AN EVEN SURFACE, AFTER WHICH THE SPECIFIED NUMBER OF STRIPS OF "RAM-NEK" SHALL BE APPLIED. THE "RAM-NEK" USED UNDER THE CLAMP SHALL BE APPROXIMATELY 29" LONG, 2" WIDE, AND 1/4" THICK. THE "RAM-NEK" SHALL BE KEPT AT ROOM TEMPERATURE UNTIL JUST BEFORE APPLYING TO PIPE.
6. A GALVANIZED STEEL COLLAR SHALL BE WRAPPED TIGHTLY AROUND THE "RAM-NEK" AND THE TWO ENDS OF THE GALVANIZED STEEL COLLAR SHALL OVERLAP NOT MORE THAN 4" NOR LESS THAN 3". THE GALVANIZED STEEL COLLAR SHALL BE CENTERED OVER THE CRACK.
7. THE FIRST STAINLESS STEEL BAND SHALL BE PLACED SUCH THAT IT RESTS ON THE GALVANIZED STEEL COLLAR AND ABOVE THE CRACK. SUBSEQUENT BANDS SHALL BE PLACED ALTERNATELY, ON SIDE OF THE MIDDLE BAND AND THEN ON THE OTHER SIDE. THE BUCKLES FOR THE STAINLESS STEEL BAND SHALL BE PLACED SO THAT THEY REST ON THE AREA OF OVERLAP OF THE TWO ENDS OF THE GALVANIZED STEEL COLLAR. ADJACENT BUCKLES SHALL BE STAGGERED. NO STAINLESS STEEL BANDS SHALL BE PLACED OVER THE GALVANIZED COLLAR WHERE SAID COLLAR EXTENDS PAST THE "RAM-NEK". THE STAINLESS STEEL BANDS SHALL BE TIGHTENED WITH THE APPROPRIATE BANDING TOOL SUCH THAT THE "RAM-NEK" YIELDS SLIGHTLY.
8. IN CASES WHERE THE CRACK IN THE PIPE IS NOT PERPENDICULAR TO THE AXIS OF THE PIPE, THE "RAM-NEK" SHALL EXTEND A DISTANCE OF 3"(6" & 8") OR 5"(10" & 12") PIPE, ALONG THE AXIS OF THE PIPE FROM ANY POINT OF THE CRACK. FOR THESE CASES, THE GALVANIZED STEEL COLLAR SHALL EXTEND A DISTANCE OF 2" BEYOND EACH END OF THE "RAM-NEK" ALONG THE PIPE AXIS. THE NUMBER OF STAINLESS STEEL BANDS TO BE USED IN THESE CASES SHALL CONFORM TO THE INCLUDED CHART FOR THE GIVEN PIPE SIZE, OR AS DIRECTED BY THE ENGINEER.

WASHINGTON
SUBURBAN
SANITARY
COMMISSION

APPROVED: _____

9/29/16

Chief Engineer

STANDARD DETAIL
METHOD OF REPAIRING
CRACKED CONCRETE
OR VITRIFIED CLAY
SEWER PIPE

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