

REMOVE EXISTING PIPE AND MANHOLE WALL AS NECESSARY TO INSTALL NEW PIPE. MIN OPENING IN WALL SHALL BE PIPE OD+3" ALL AROUND. AFTER PIPE INSTALLATION, FILL VOIDS AROUND PIPE COMPLETELY WITH NON-SHRINK GROUT.

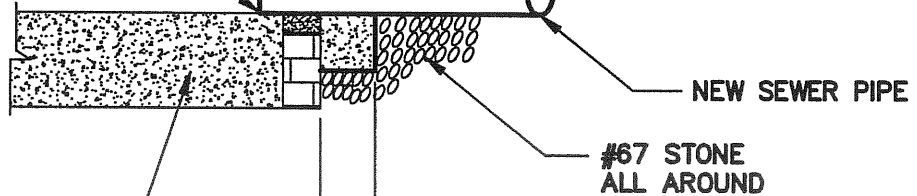
MIN 1" THICK LINER TO BE INSTALLED AFTER SEWER REPLACEMENT IS COMPLETE WHERE SPECIFIED. MATCH LINER TO END OF PIPE AS SHOWN. SEE DETAIL A.

EXISTING MANHOLE WALL

INSTALL CONCRETE COLLAR ALL AROUND NEW PIPE. CONCRETE SHALL BE MIN 3,600 PSI. PER CMUD STANDARD SPECIFICATIONS

EXTEND NEW PIPE MIN 2" INTO MANHOLE  
MATCH NEW PIPE TO EXISTING INVERT ELEVATION

8" MIN



EXISTING MANHOLE BASE

#67 STONE ALL AROUND

6" MIN

**NOTES:**

1. CONTRACTOR SHALL REFER TO THIS DETAIL WHEN CONNECTING NEW SEWER PIPES TO EXISTING OR NEW MANHOLES. THE NEW PIPES MAY BE INSTALLED FOR A POINT REPAIR, PIPE REPLACEMENT, PIPE BURSTING, OR SERVICE LATERAL REPLACEMENT.

CHARLOTTE-MECKLENBURG UTILITIES  
CHARLOTTE, NORTH CAROLINA

NEW PIPE CONNECTION AT MANHOLE

No.	Date	By	Revision

NTS  
Scale

Approved By

DETAIL NO.  
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