



SECTION VIEW

NO.	DESCRIPTION:
1.	EXISTING MANHOLE WALL.
2.	NEW CEMENTITIOUS LINER. SEE APPROPRIATE STD. DETAIL. SEE NOTES B AND C.
3.	LINER PIPES SHALL BE NEATLY CUT 2" FROM THE MANHOLE WALL.
4.	BUILD UP EXISTING INVERT WITH NON-SHRINK GROUT TO MATCH NEW LINER INVERTS. PROVIDE CONSTANT SLOPE FROM INLET TO OUTLET PIPES. BYPASS FLOWS AROUND MANHOLE WHEN PERFORMING THIS WORK UNTIL GROUT HAS CURED. SEE APPROPRIATE STD. DETAIL FOR REHABILITATION OF EXISTING MANHOLES.
5.	EXISTING MANHOLE BASE.
6.	NEW LINER PIPE INSIDE EXISTING SEWER PIPE. SEE NOTE D.

NOTES:	
A.	CONTRACTOR SHALL REFER TO THIS DETAIL WHEN TERMINATING LINER PIPES IN MANHOLES.
B.	CONTRACTOR SHALL FILL ANY VOIDS BETWEEN EXISTING SEWER PIPE AND MANHOLE WALL AND BETWEEN THE EXISTING SEWERS AND LINER PIPES WITH NON-SHRINK GROUT PRIOR TO INSTALLING CEMENTITIOUS LINER. SEE NOTE D.
C.	THIS DETAIL SHOWS THE LINER TERMINATION IN A REHABILITATED MANHOLE. IF MANHOLE IS NOT REHABILITATED AS NOTED ON DRAWINGS, CONTRACTOR SHALL CUT LINER PIPE 2" FROM THE EXISTING WALL, FILL VOIDS AROUND EXISTING PIPE AND LINER PIPE WITH GROUT, AND COAT THE EXISTING INVERT CHANNEL TO MATCH LINER PIPE AND/OR EXISTING SEWER PIPES. SEE NOTE D.
D.	WATERSTOP MATERIAL (HYDROTITE BY SIKA OR APPROVED EQUAL) BETWEEN THE EXISTING SEWER AND CIPP IS NOT SHOWN FOR CLARITY - REFER TO THE MATERIAL SPECIFICATIONS. WATERSTOP TO BE INSTALLED AROUND THE CIPP APPROXIMATELY 6" FROM THE INSIDE OF THE MANHOLE WALL.

CHARLOTTE WATER <small>A CITY OF CHARLOTTE DEPARTMENT</small> <b>STANDARD DETAILS</b>	<b>SEWER REHAB</b>
<b>LINER CONNECTION AT MANHOLE</b>	
NO SCALE	
VERSION 1.0	
DATE 04/2024	
DETAIL 16.9	