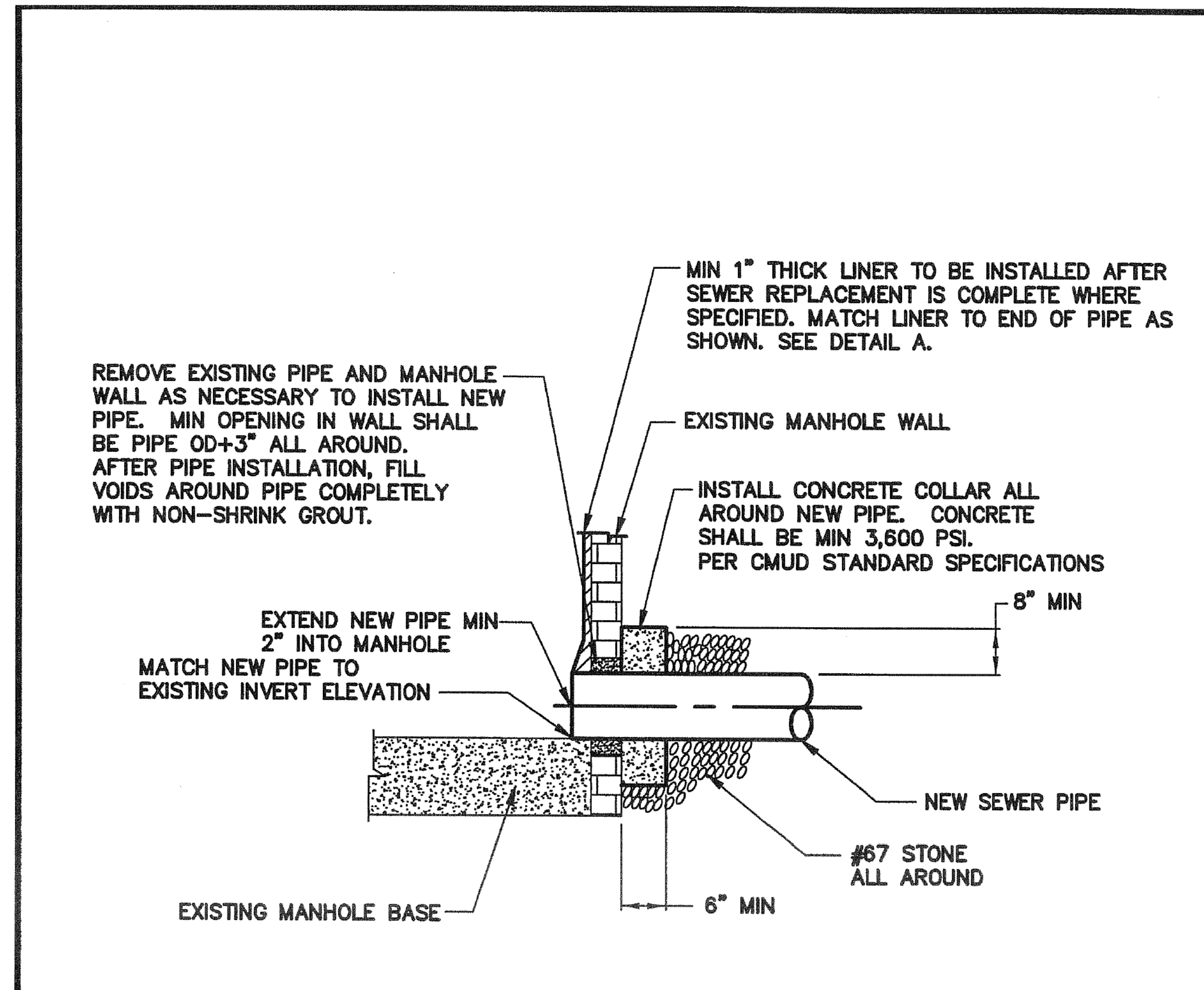


CLTWater STANDARD DETAILS

0400DEL_P30



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

8" MIN

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

NEW SEWER PIPE

#67 STONE ALL AROUND

6" MIN

EXISTING MANHOLE BASE

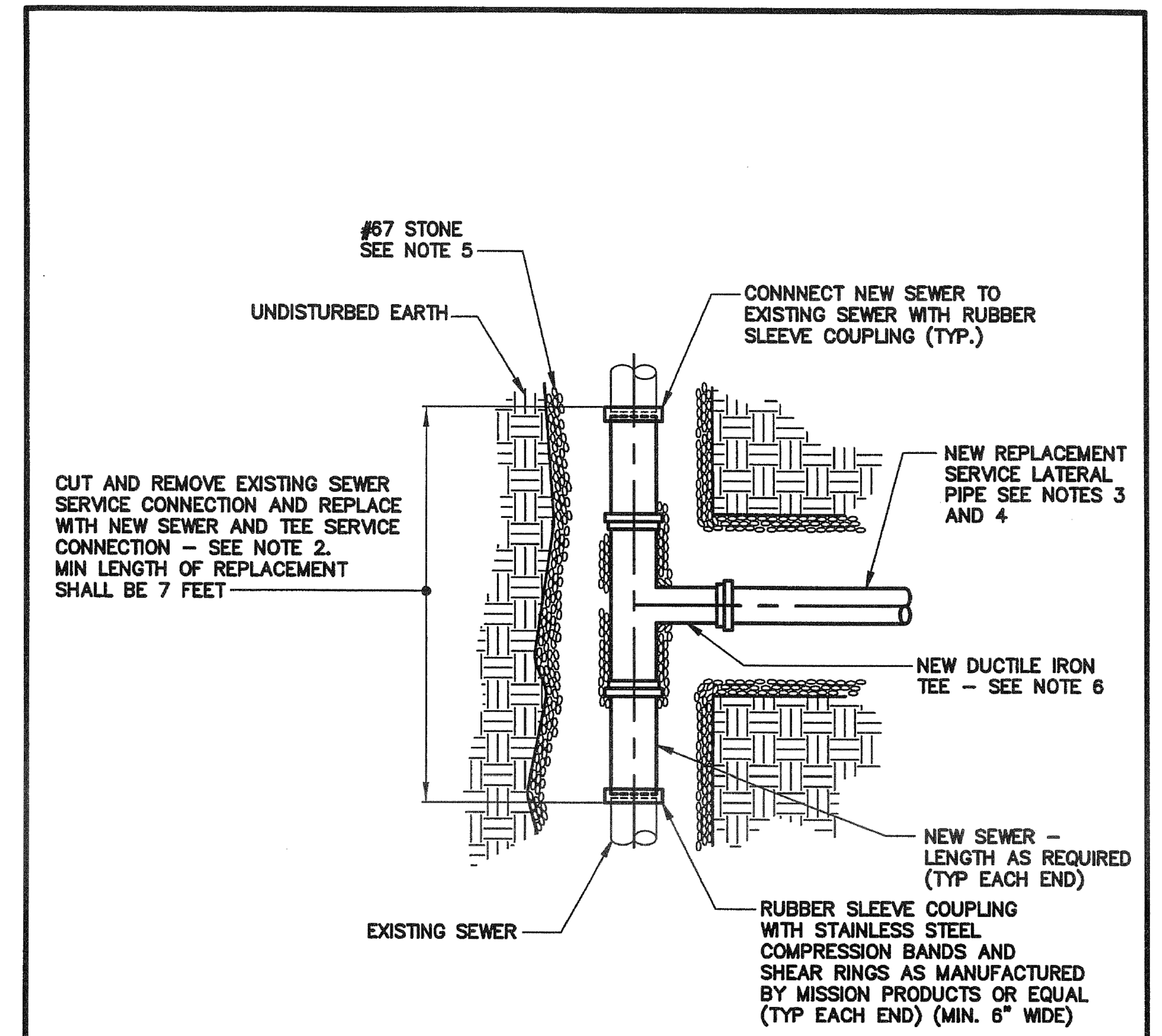
NOTES:

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
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NEW PIPE CONNECTION AT MANHOLE

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#67 STONE
SEE NOTE 5

UNDISTURBED EARTH

CONNECT NEW SEWER TO EXISTING SEWER WITH RUBBER SLEEVE COUPLING (TYP.)

NEW REPLACEMENT SERVICE LATERAL PIPE SEE NOTES 3 AND 4

CUT AND REMOVE EXISTING SEWER SERVICE CONNECTION AND REPLACE WITH NEW SEWER AND TEE SERVICE CONNECTION - SEE NOTE 2. MIN LENGTH OF REPLACEMENT SHALL BE 7 FEET

NEW DUCTILE IRON TEE - SEE NOTE 6

NEW SEWER - LENGTH AS REQUIRED (TYP EACH END)

RUBBER SLEEVE COUPLING WITH STAINLESS STEEL COMPRESSION BANDS AND SHEAR RINGS AS MANUFACTURED BY MISSION PRODUCTS OR EQUAL (TYP EACH END) (MIN. 6" WIDE)

EXISTING SEWER

CHARLOTTE-MECKLENBURG UTILITIES
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SERVICE LATERAL REPLACEMENT
(PAGE 1 OF 2)

No.	Date	By	Revision	NTS Scale	Approved By	DETAIL NO. F