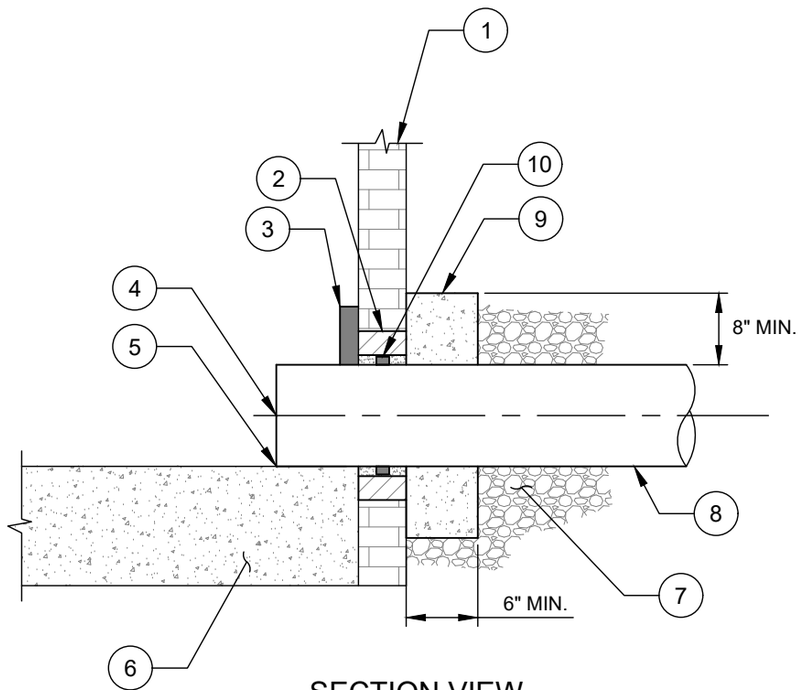

SECTION VIEW

NO. DESCRIPTION:

1. EXISTING MANHOLE WALL.
2. REMOVE EXISTING PIPE AND MANHOLE WALL AS NECESSARY TO INSTALL NEW PIPE. MAX OPENING IN WALL SHALL BE PIPE OD+3" ALL AROUND. AFTER PIPE INSTALLATION, FILL VOIDS AROUND PIPE COMPLETELY WITH NON-SHRINK GROUT.
3. ELECTROFUSION FLEX RESTRAINT(S) BY GEORG FISCHER CENTRAL PLASTICS, HARCO, OR PERFORMANCE PIPE, FUSED TO PIPE ON INSIDE OF MANHOLE TO PREVENT MOVEMENT. SEE NOTE B.
4. EXTEND PIPE INTO MH. SEE NOTE C.
5. MATCH NEW PIPE TO EXISTING INVERT ELEVATION.
6. EXISTING MANHOLE BASE.
7. #57 STONE ALL AROUND.
8. NEW HDPE PIPE INSTALLED VIA PIPE BURSTING.
9. INSTALL CONCRETE COLLAR ALL AROUND NEW PIPE. CONCRETE SHALL BE MIN 3,600 PSI.
10. HYDROPHILIC WATERSTOP (HYDROTITE BY SIKA OR APPROVED EQUAL) WRAPPED AROUND PIPE MIN. 4 TIMES.

NOTES:

A. CONTRACTOR SHALL REFER TO THIS DETAIL WHEN CONNECTING NEW HDPE SEWER PIPES INSTALLED VIA PIPE BURSTING TO EXISTING OR NEW MANHOLES.

B. INSTALL FLEX RESTRAINTS AFTER HDPE HAS FULLY RELAXED. RESTRAINT TO BE LOCATED AGAINST MANHOLE WALL. PROVIDE 1 RESTRAINT FOR 8" AND 10" PIPE, 2 RESTRAINTS FOR 12" PIPE AND 3 RESTRAINTS FOR 16" AND 18" PIPE.

C. EXTEND PIPE INTO MH A SUFFICIENT LENGTH TO ALLOW INSTALLATION OF FLEX RESTRAINTS AND TO ACCOMMODATE MH REHAB IF SPECIFIED. PIPE SHALL NOT IMPEDE FLOW THROUGH MANHOLE. COORDINATE WITH SEALING ENGINEER.

CHARLOTTE WATER

CHARLOTTE WATER
A CITY OF CHARLOTTE DEPARTMENT
STANDARD DETAILS
SEWER REHAB

HDPE PIPE CONNECTION AT MANHOLE FOR PIPE BURSTING

NO SCALE

VERSION
1.0

DATE
04/2024

DETAIL
16.10