



SMALL PUNCTURE REPAIR

NOTES TO DESIGNER
 A. REFER TO PPI TN-34 (INSTALLATION GUIDELINES FOR ELECTROFUSION COUPLINGS 14" AND LARGER).

NO.	DESCRIPTION:
1.	EXISTING HDPE WATER MAIN.
2.	WRAP AROUND REPAIR CLAMP.
3.	SOLID RESTRAINED SLEEVE.

NOTES:
 A. DETAIL NOT INTENDED FOR USE FOR NEW HDPE INSTALLATIONS.

SMALL PUNCTURE REPAIR NOTES:

- a. SMALL PUNCTURE DAMAGE IS DEFINED AS ONE INCH OR SMALLER PUNCTURE IN ONE PIPE WALL.
- b. PREFERRED REPAIR METHOD FOR SMALL PUNCTURE IS ELECTROFUSION PATCH. MECHANICAL COUPLING IS ALLOWED WHEN PIPE CAN NOT BE DRIED, UPON APPROVAL OF CLTW INSPECTOR.
- c. BEFORE ADDING FITTING, DRILL SMALL HOLE AT EACH END OF DAMAGE TO PREVENT CRACK PROPAGATING.
- d. FITTINGS SHALL MEET THE REQUIREMENTS OF AWWA C906.
- e. MECHANICAL FITTINGS USED WITH HDPE PIPE SHALL BE SPECIFICALLY DESIGNED FOR USE WITH HDPE PIPE.
- f. MINIMUM CLAMP LENGTH IS 12". MINIMUM CLAMP LENGTH IS 5" ON EITHER SIDE OF PUNCTURE, FOR 10" NOMINAL DIAMETER PIPE AND LARGER.

CHARLOTTE WATER A CITY OF CHARLOTTE DEPARTMENT STANDARD DETAILS WATER	EXISTING HDPE PIPE REPAIR (MAINTENANCE REPAIRS ONLY)	NO SCALE VERSION 1.0 DATE 04/2024 DETAIL 10.13.5
--	--	--