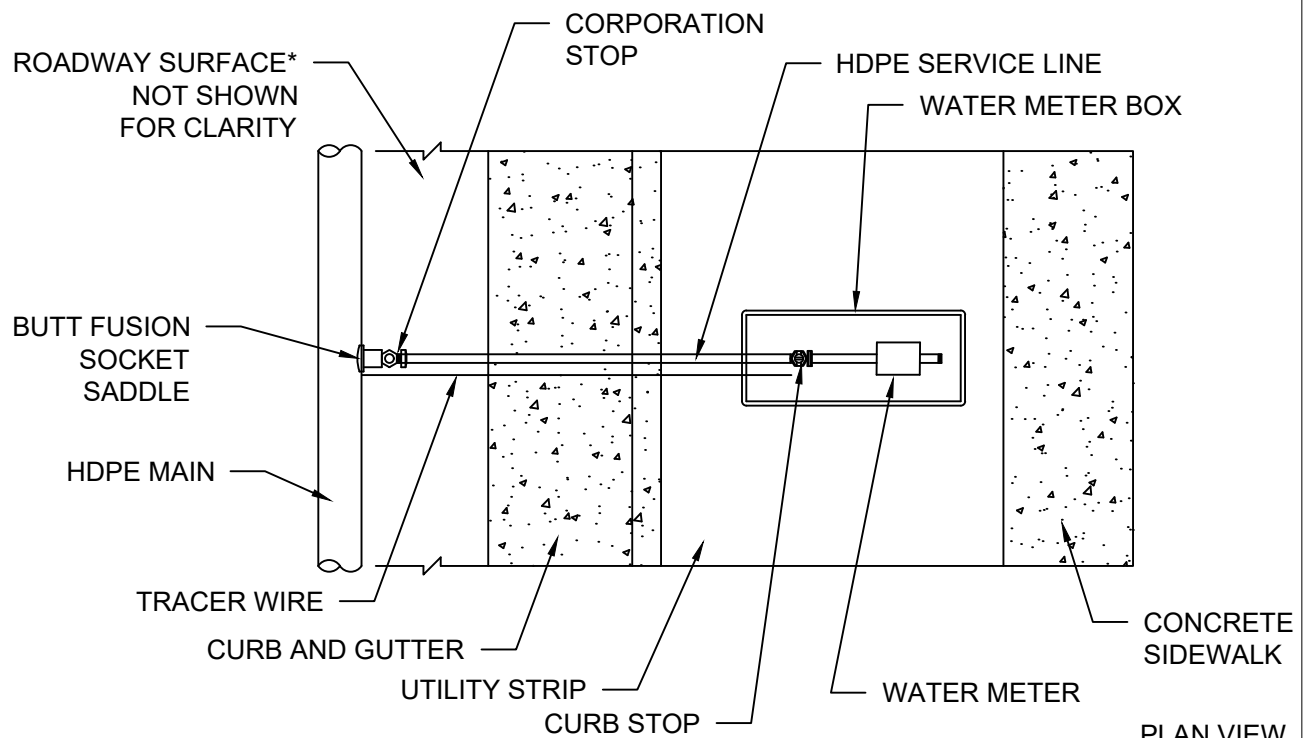


SECTION VIEW



PLAN VIEW

WATER SERVICE WITH BUTT
FUSION SOCKET SADDLE

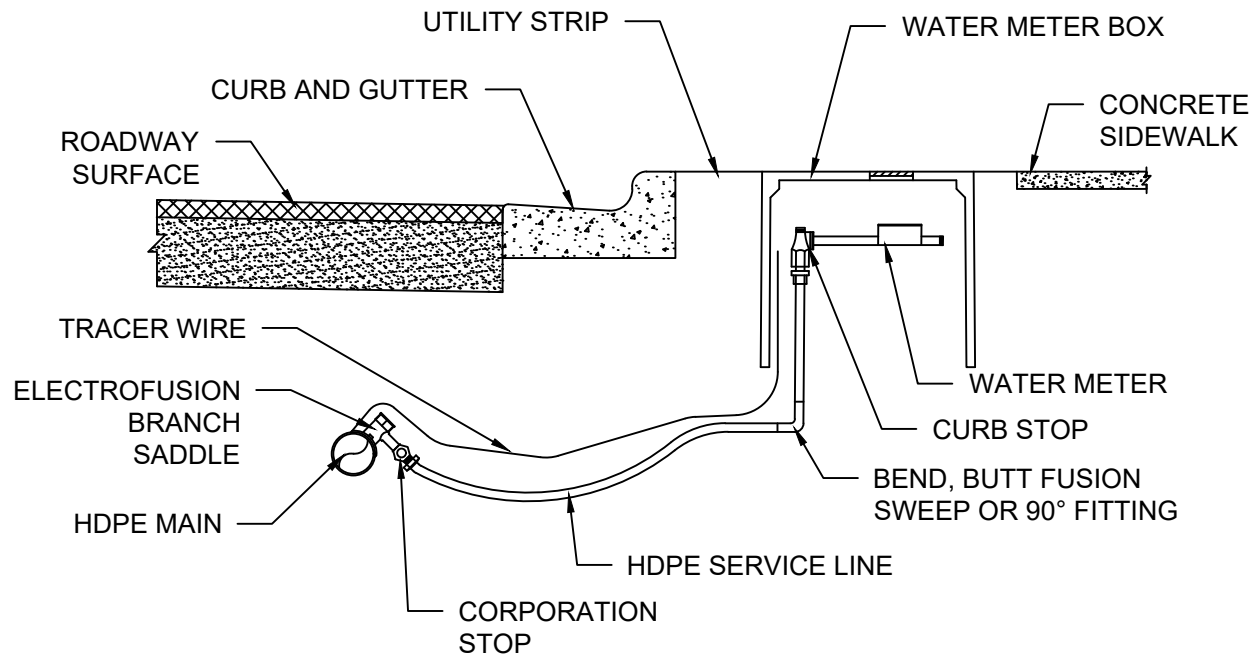


ALLIANCE FOR PE PIPE

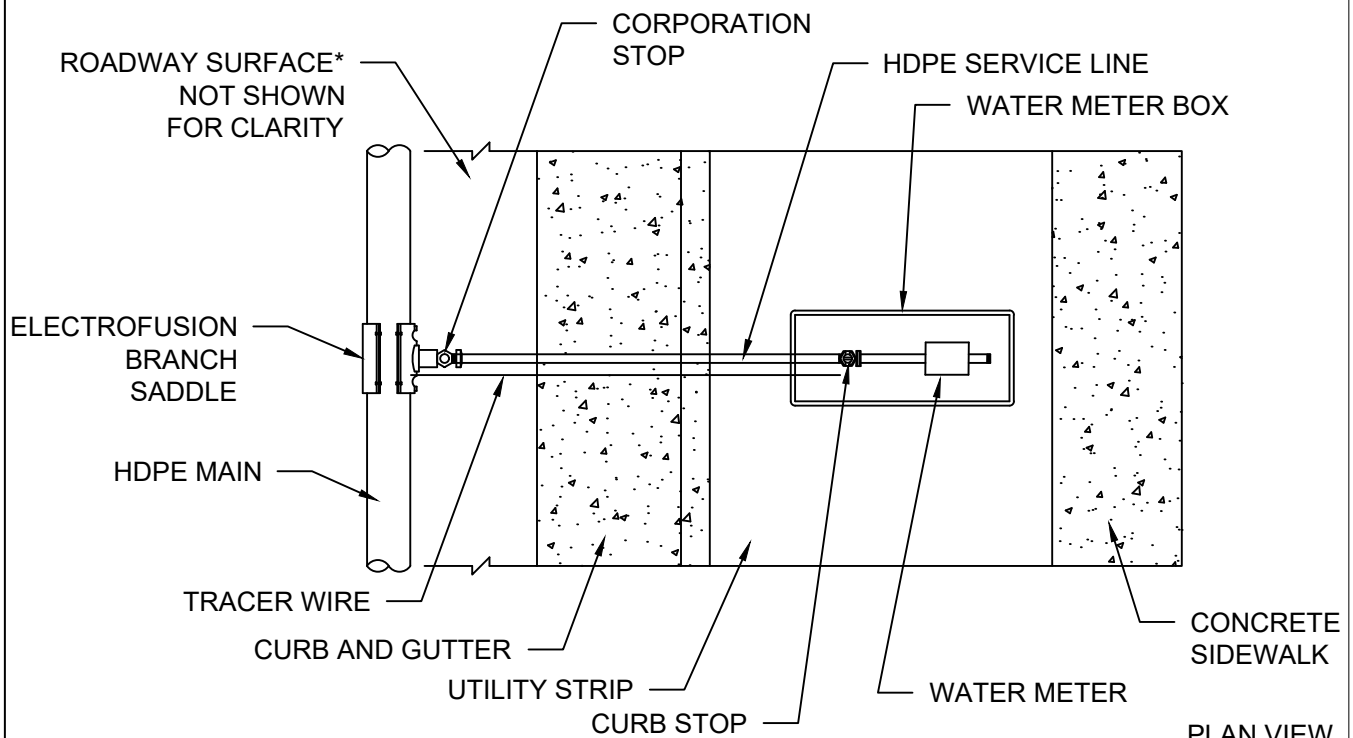
Standard Detail CO-1A

Scale: NTS

REV 5/2020



SECTION VIEW



PLAN VIEW

WATER SERVICE WITH
ELECTROFUSION SADDLE

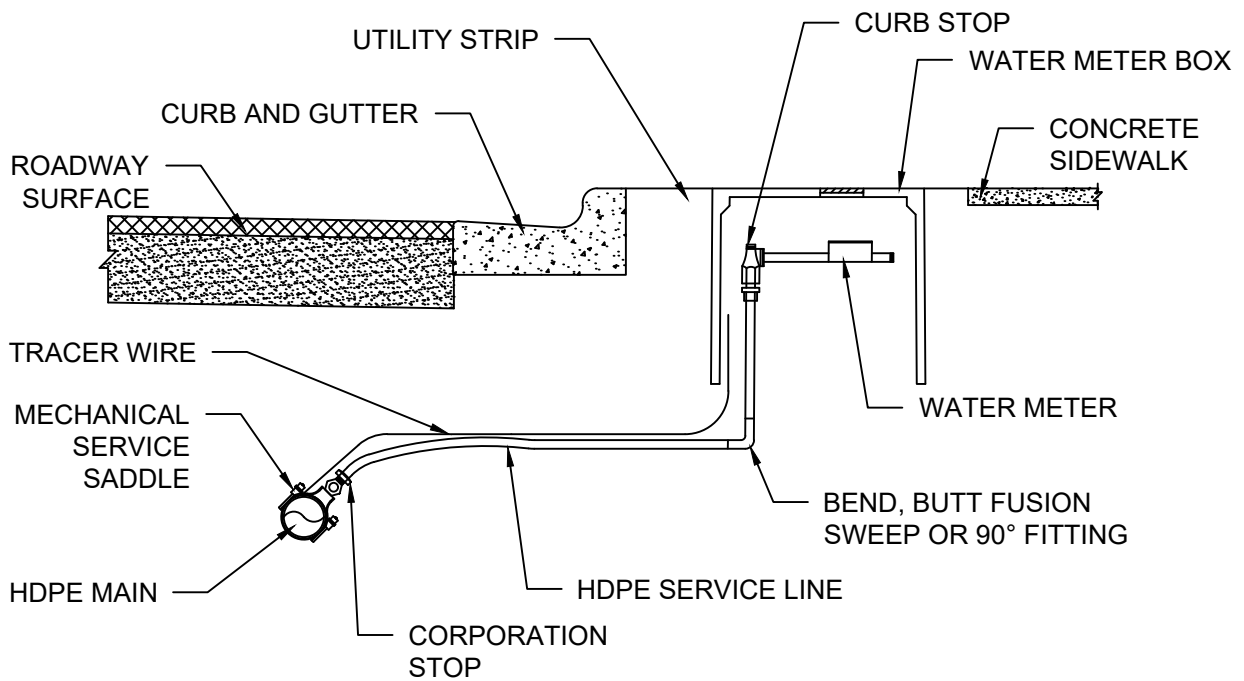


ALLIANCE FOR PE PIPE

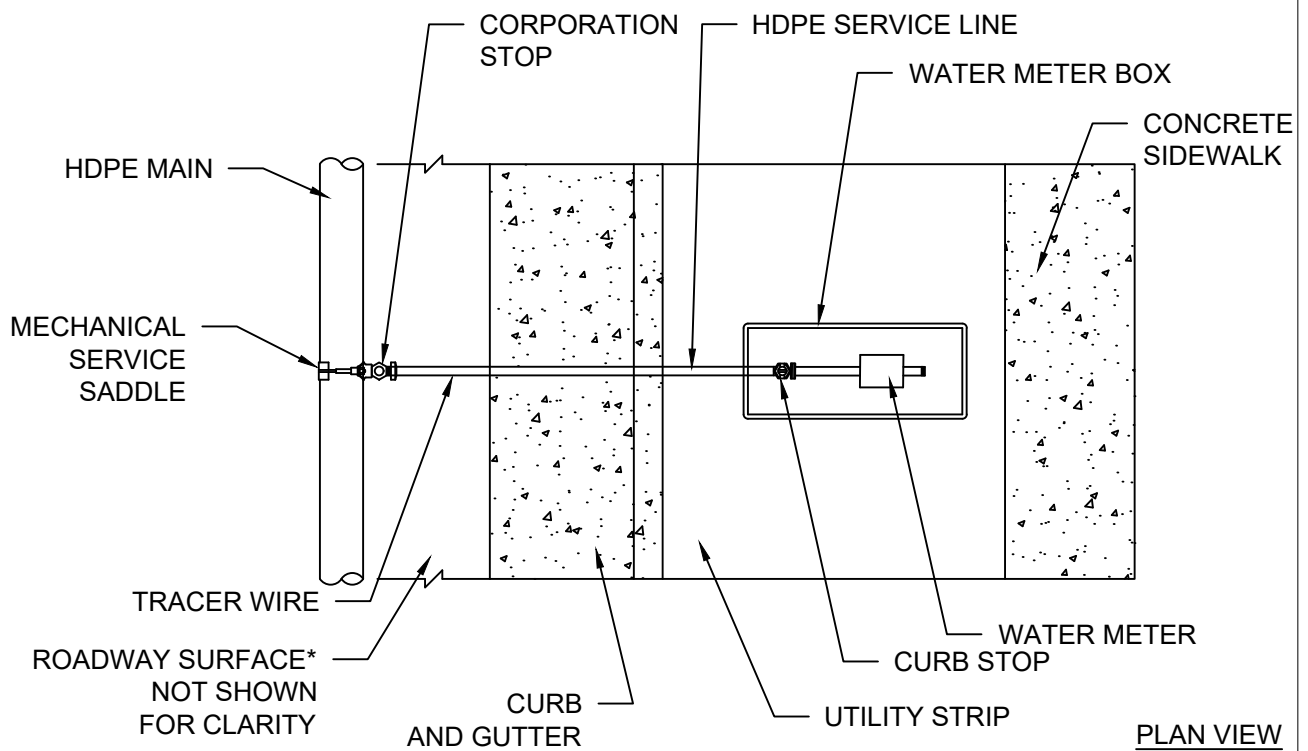
Standard Detail CO-1B

Scale: NTS

REV 5/2020



SECTION VIEW



PLAN VIEW

WATER SERVICE WITH
MECHANICAL SADDLE

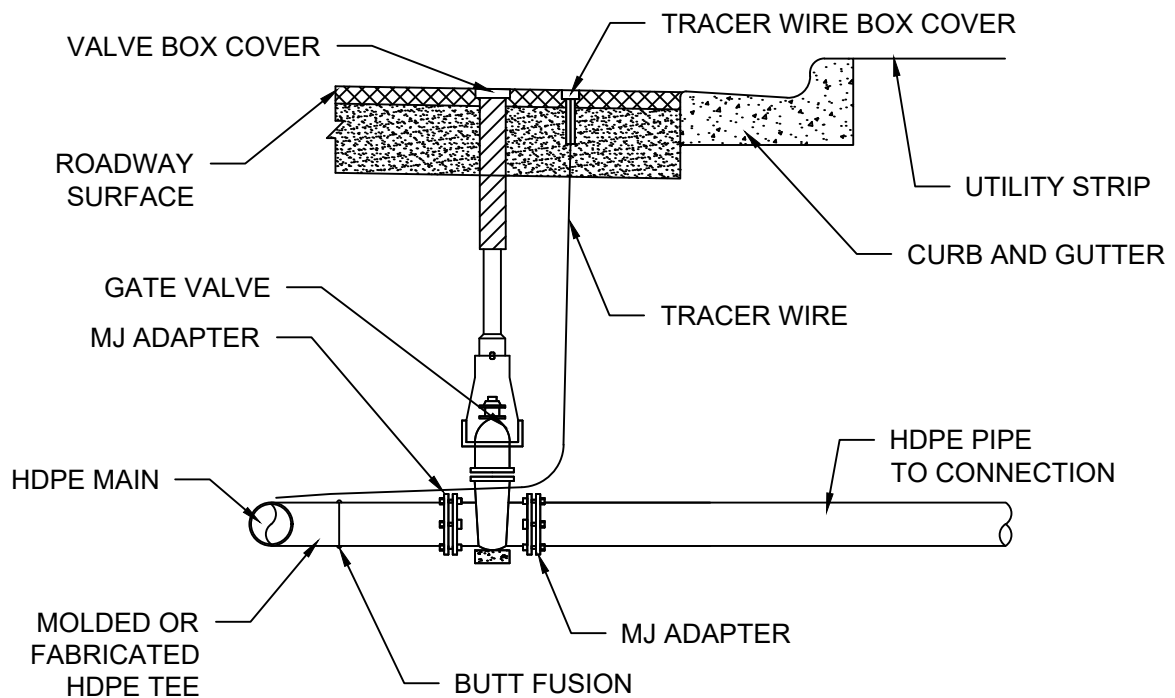


ALLIANCE FOR PE PIPE

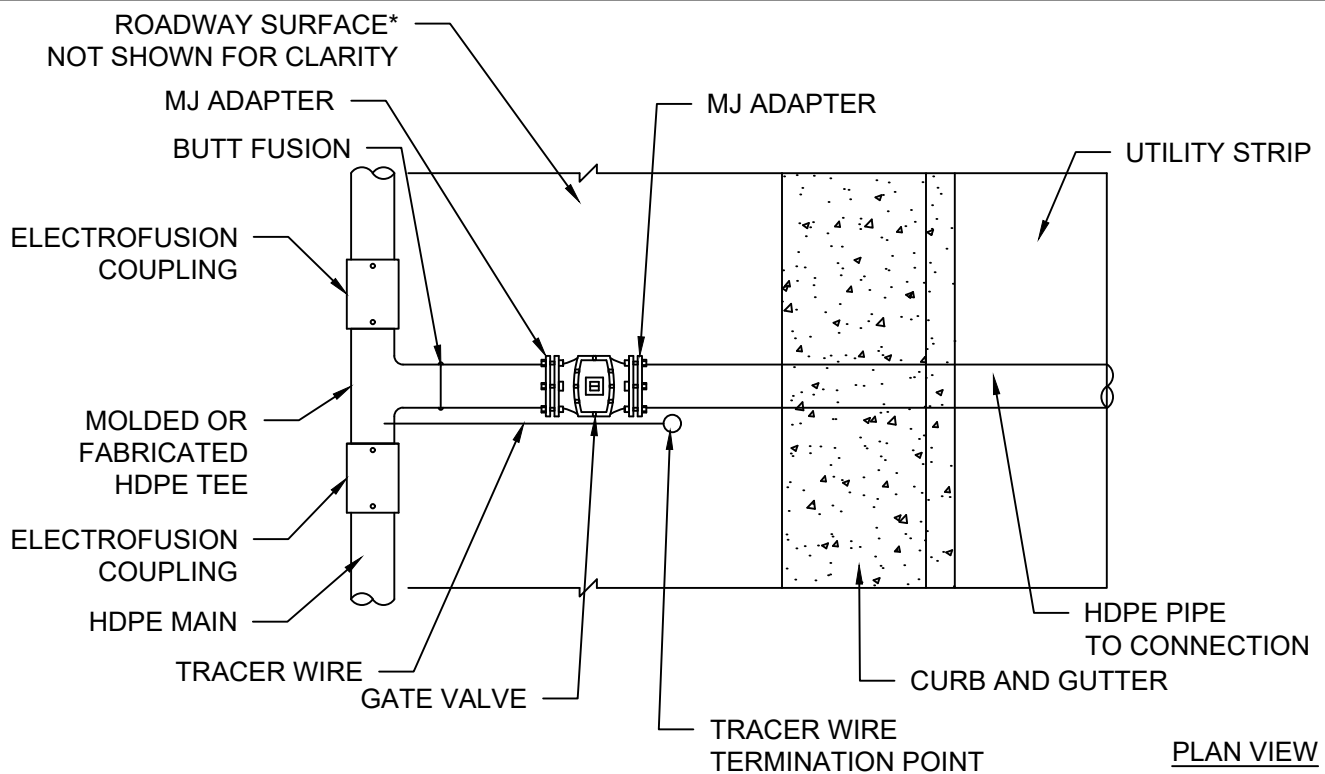
Standard Detail CO-2

Scale: NTS

REV 5/2020



SECTION VIEW



PLAN VIEW

MECHANICAL CONNECTION
TO GATE VALVE

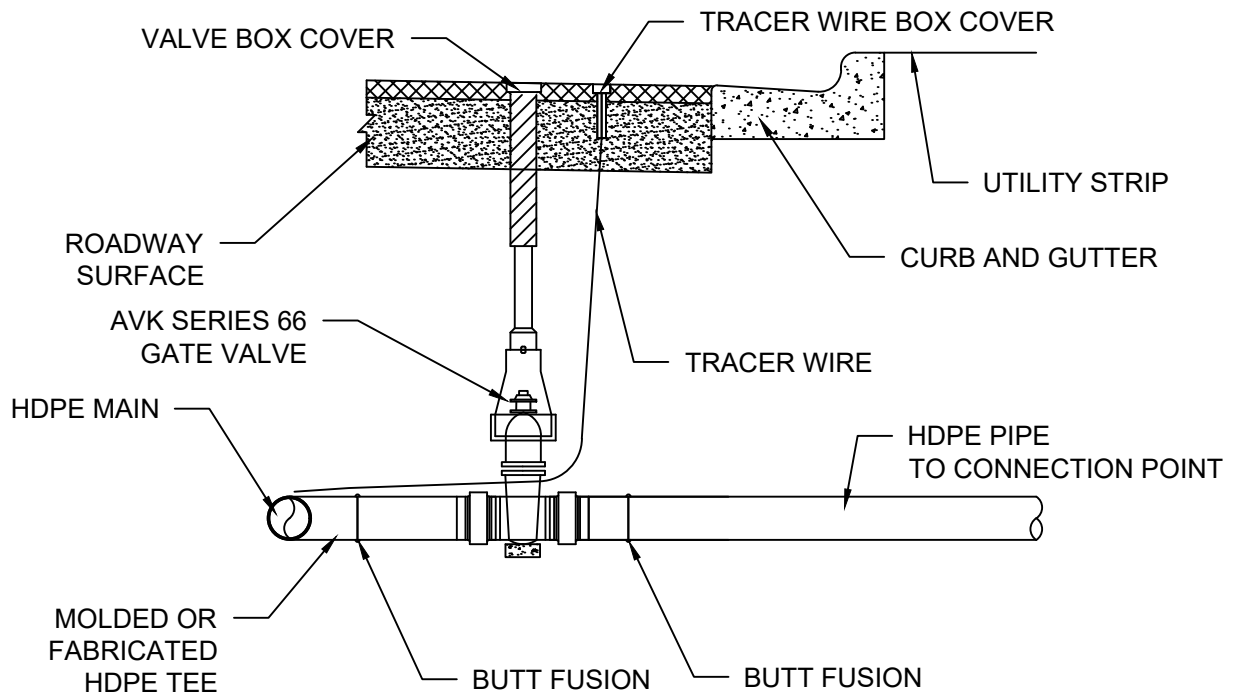


ALLIANCE FOR PE PIPE

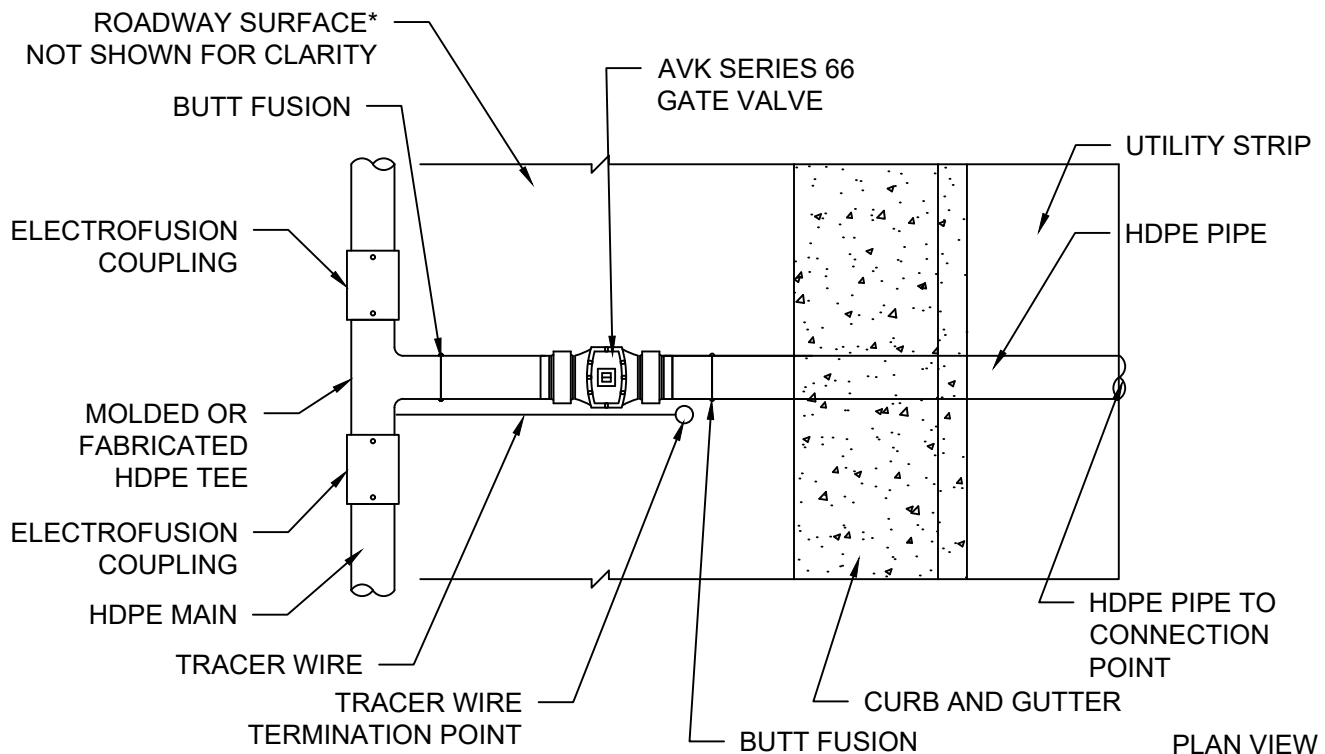
Standard Detail CO-3

Scale: NTS

REV 5/2020



SECTION VIEW



PLAN VIEW

AVK SERIES 66 GATE VALVE

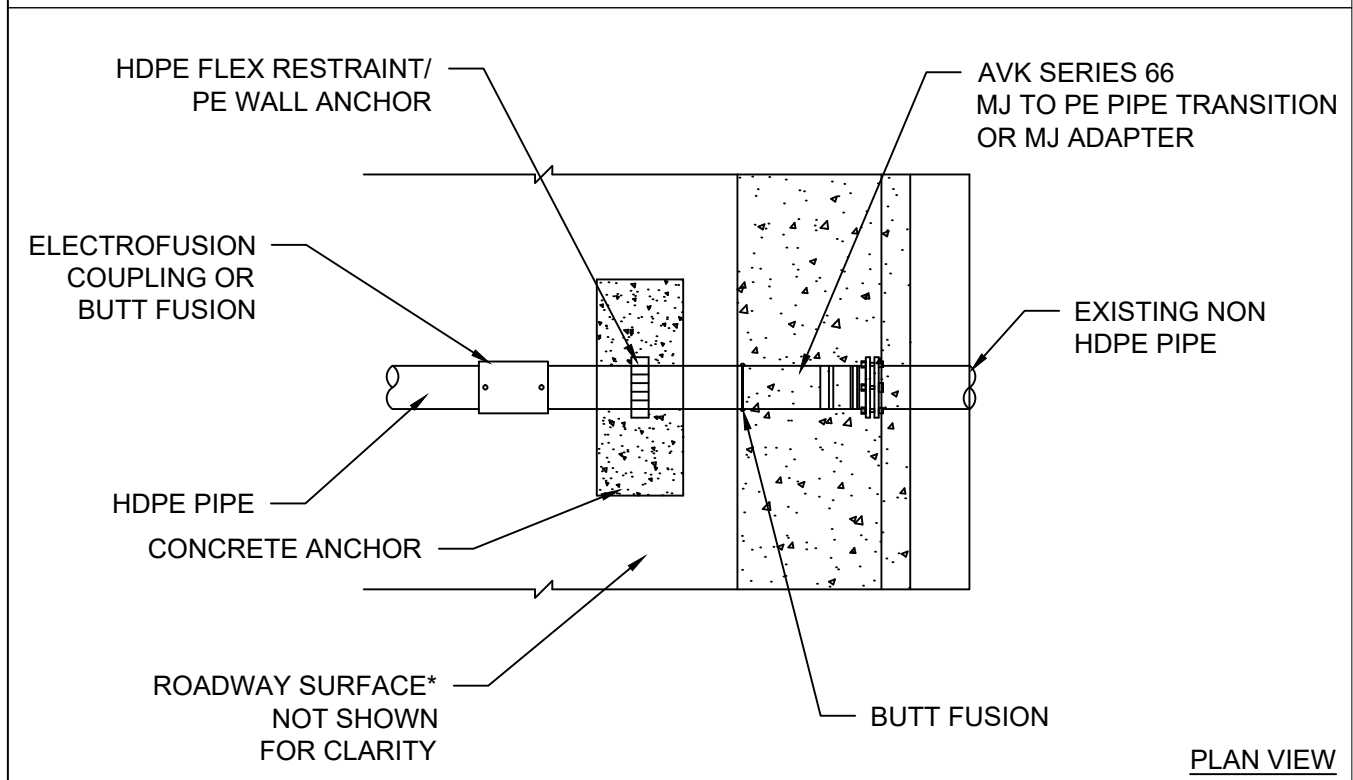
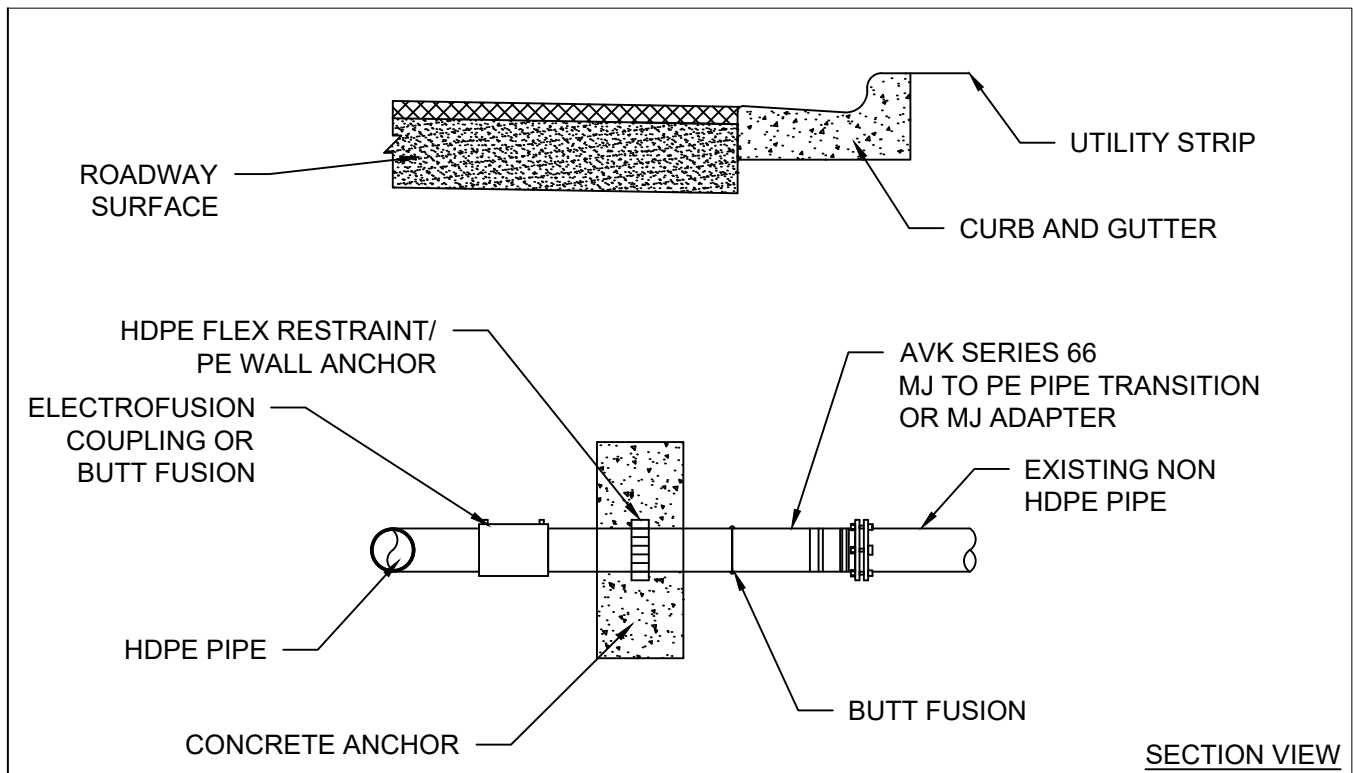



ALLIANCE FOR PE PIPE

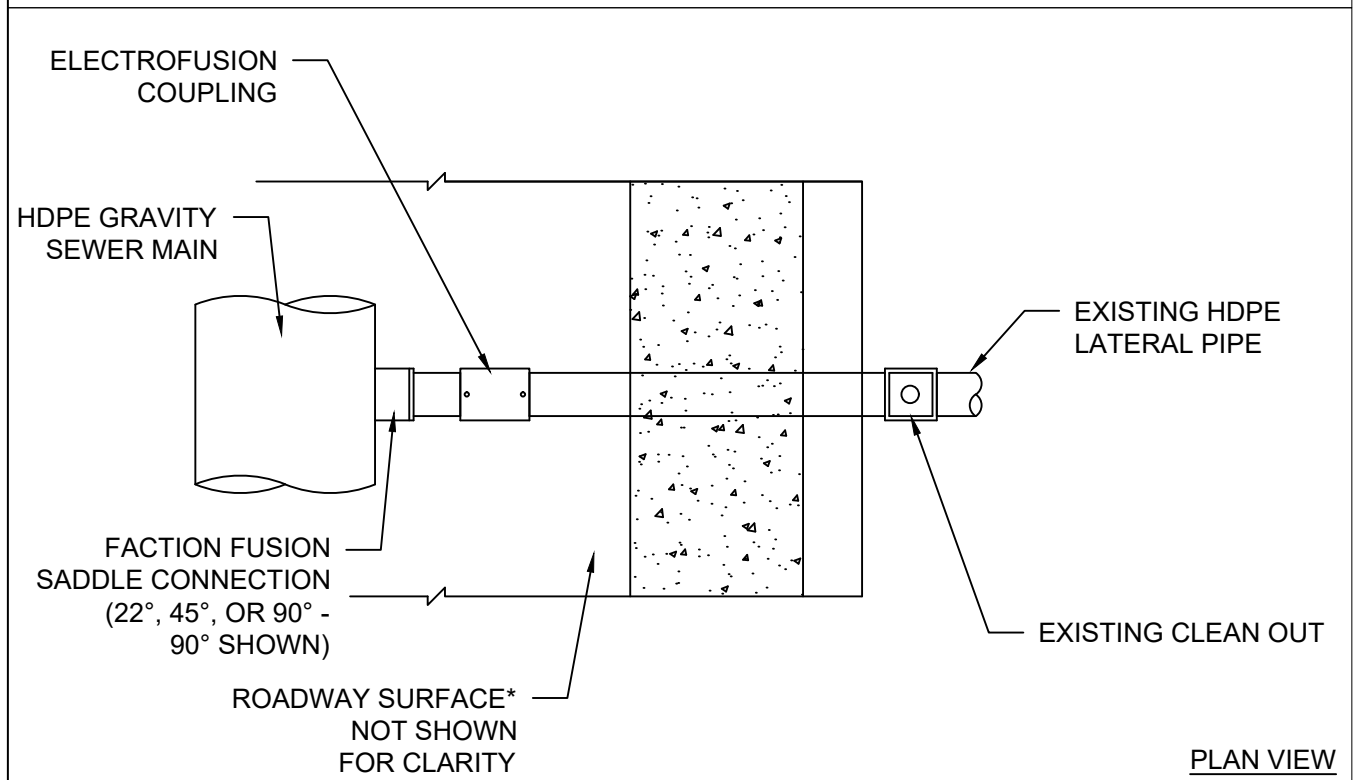
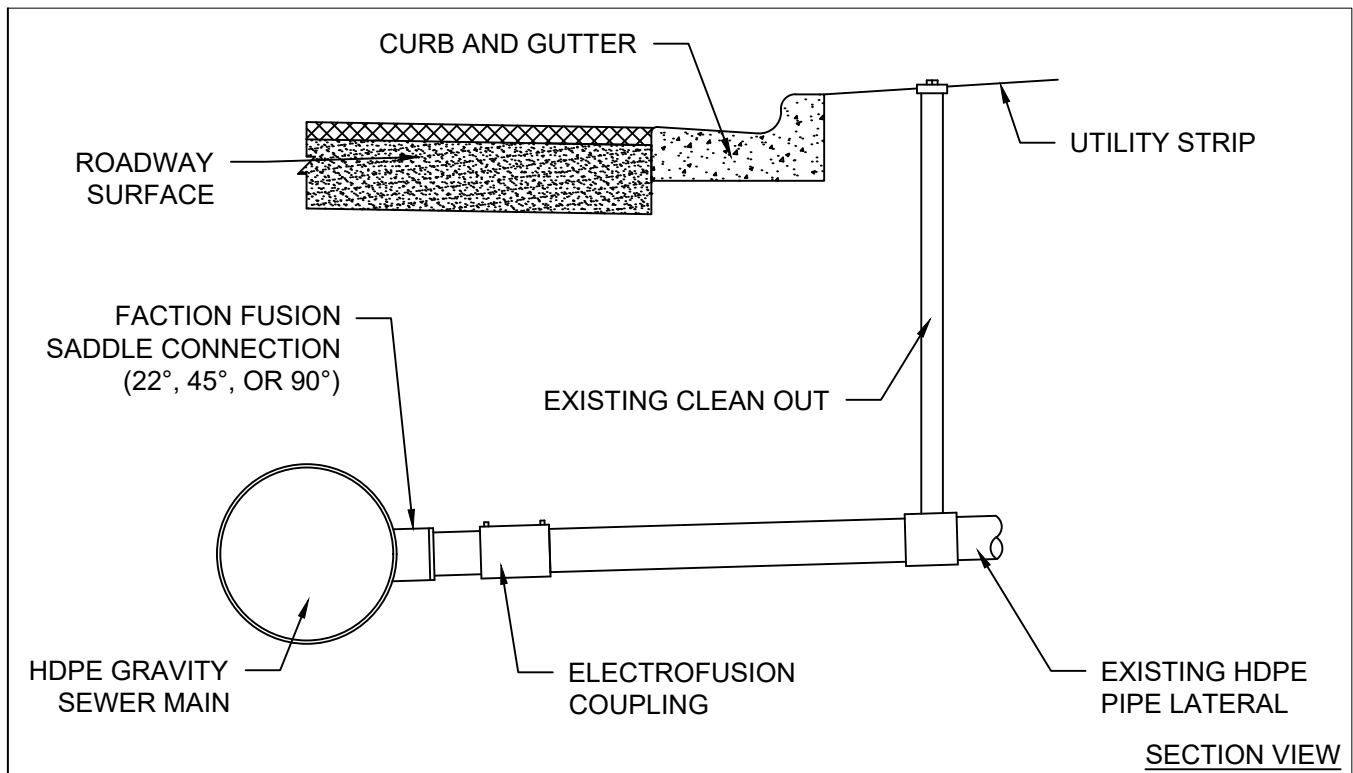
Standard Detail CO-4

Scale: NTS

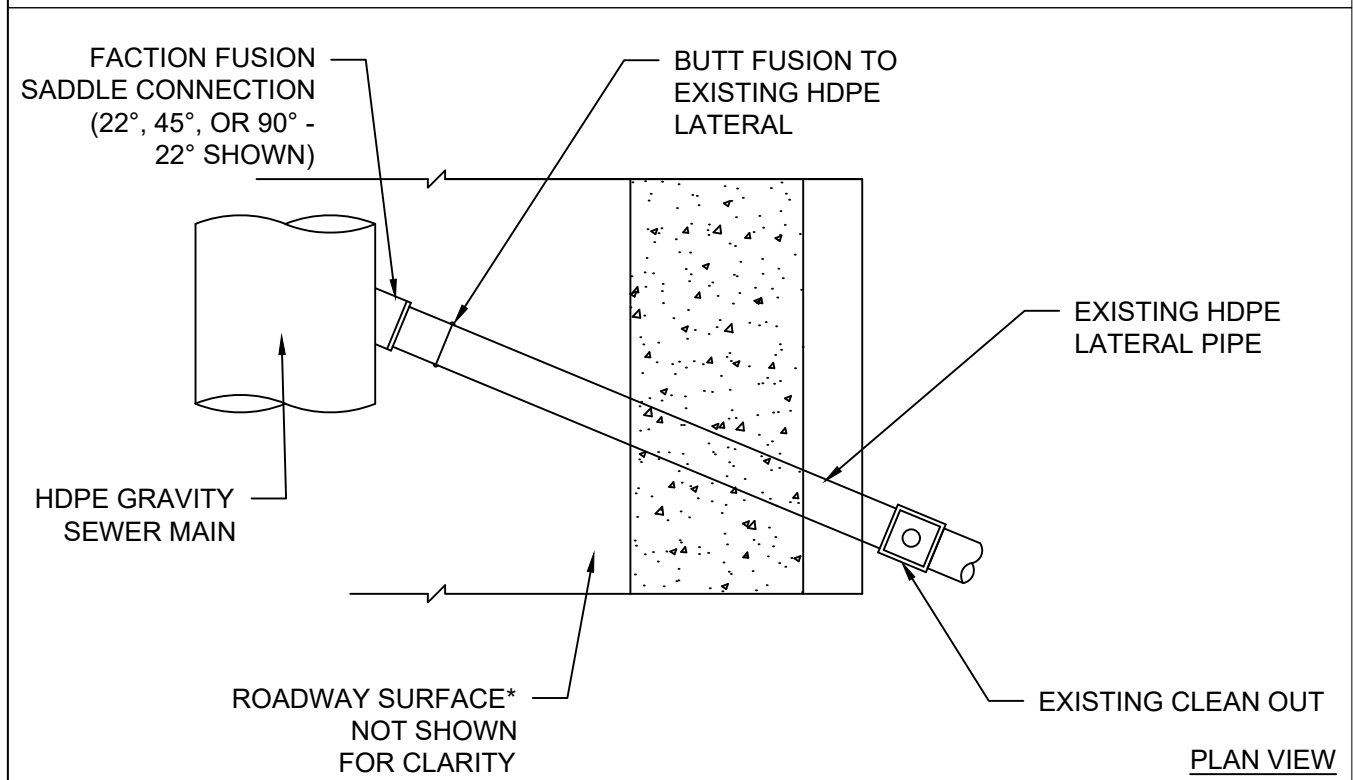
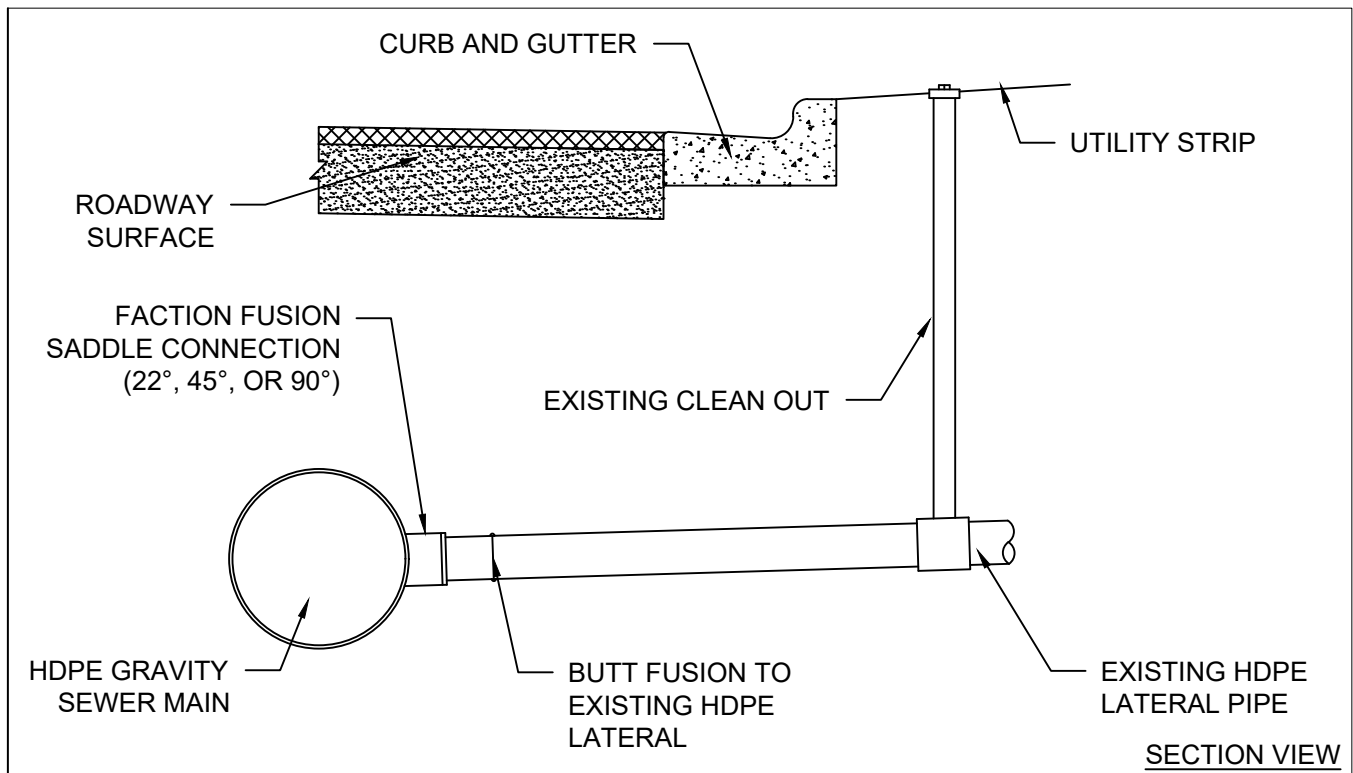
REV 5/2020



HDPE CONNECTION TO ALTERNATE PIPE MATERIAL	
ALLIANCE FOR PE PIPE	Standard Detail CO-5 Scale: NTS REV 5/2020



<p>FACTION FUSION SADDLE CONNECTION AND ELECTROFUSION TO LATERAL</p>	<p>ALLIANCE FOR pe pipe</p>
<p>ALLIANCE FOR PE PIPE</p>	<p>Standard Detail CO-6 Scale: NTS REV 5/2020</p>



FACTION FUSION SADDLE
CONNECTION AND BUTT
FUSION TO LATERAL

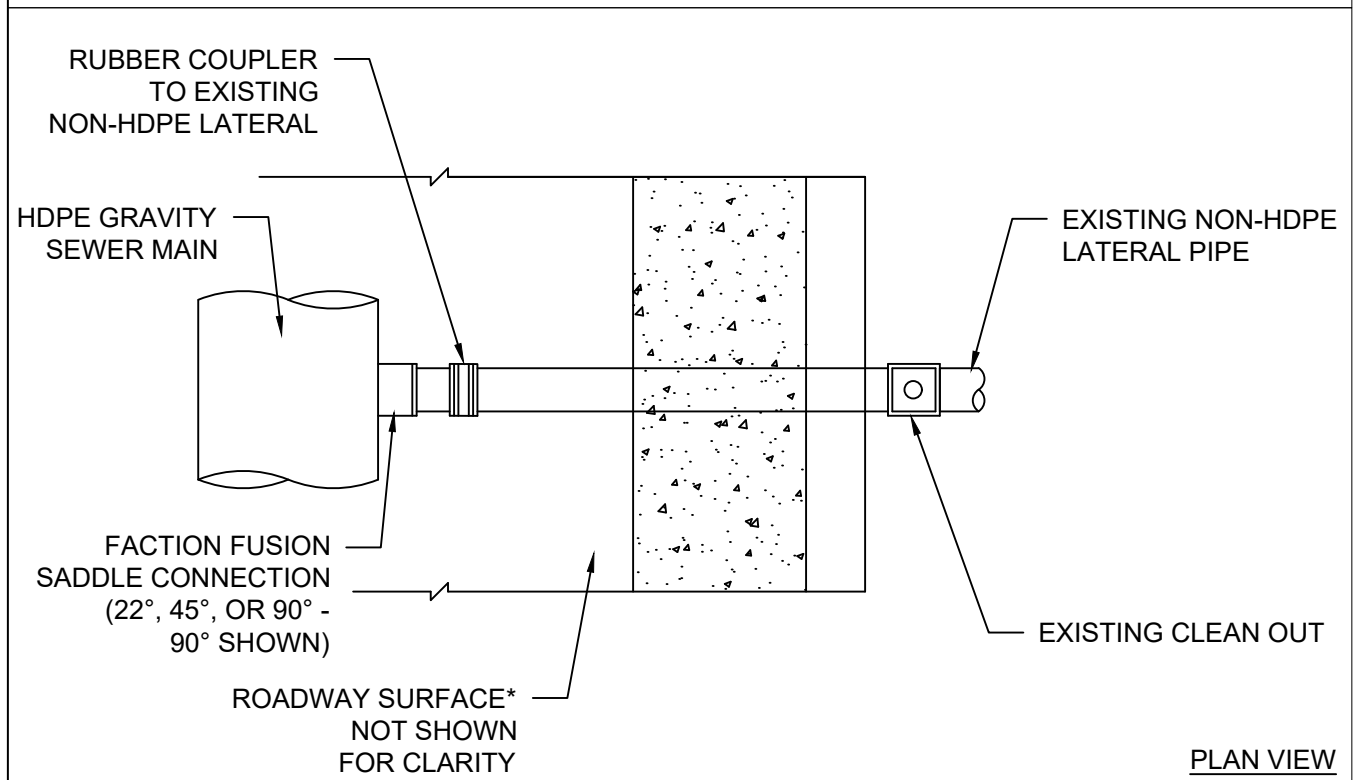
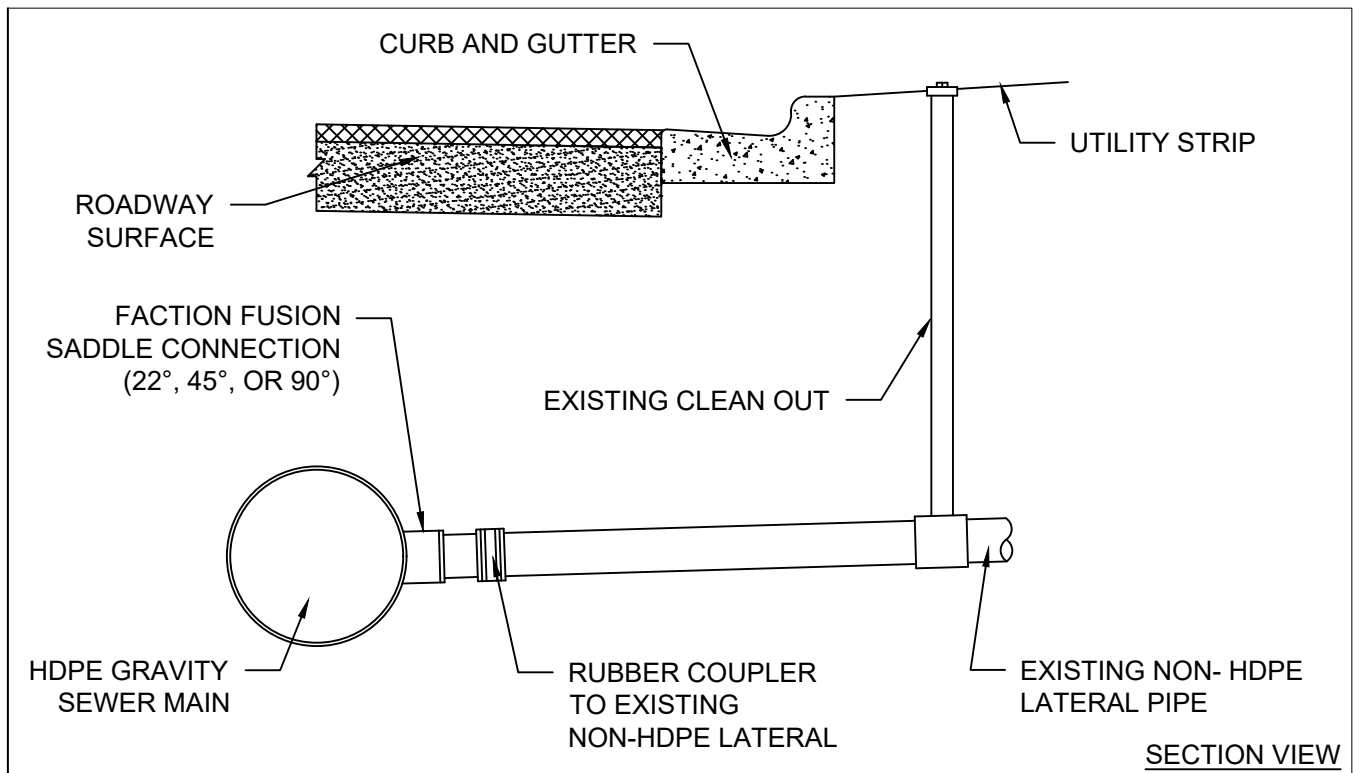


ALLIANCE FOR PE PIPE

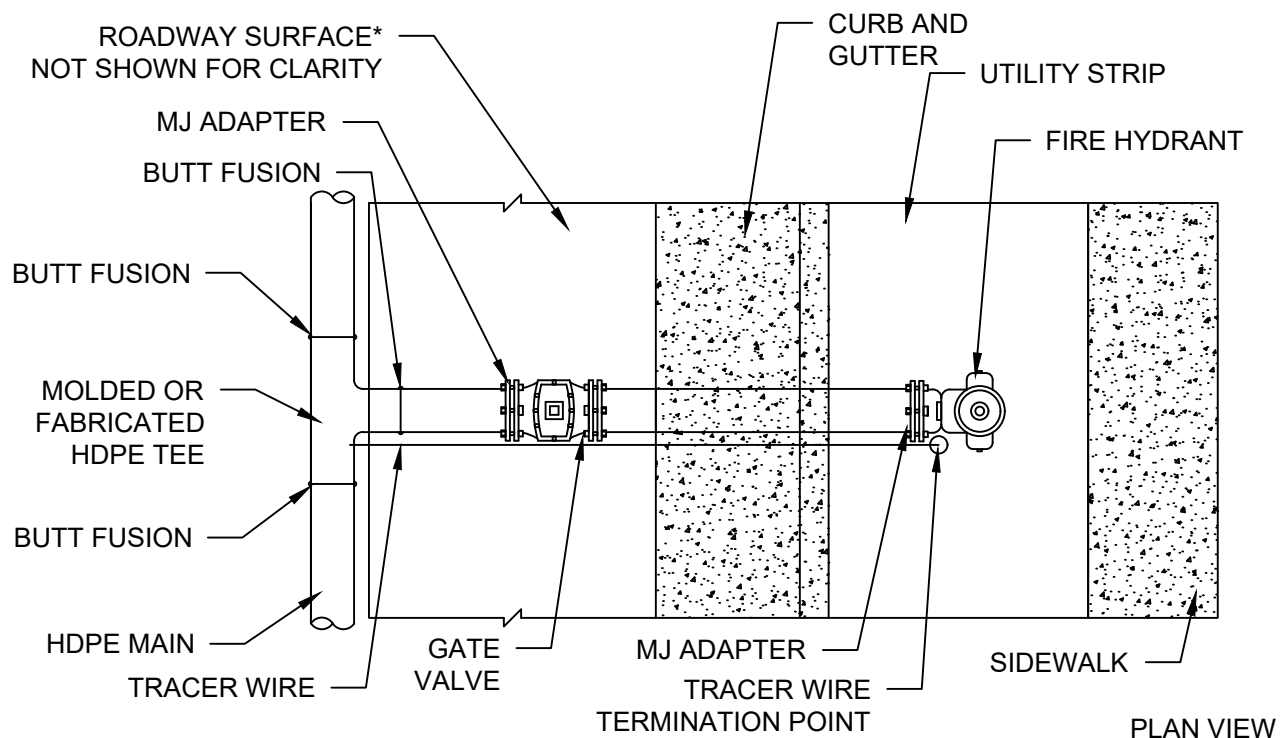
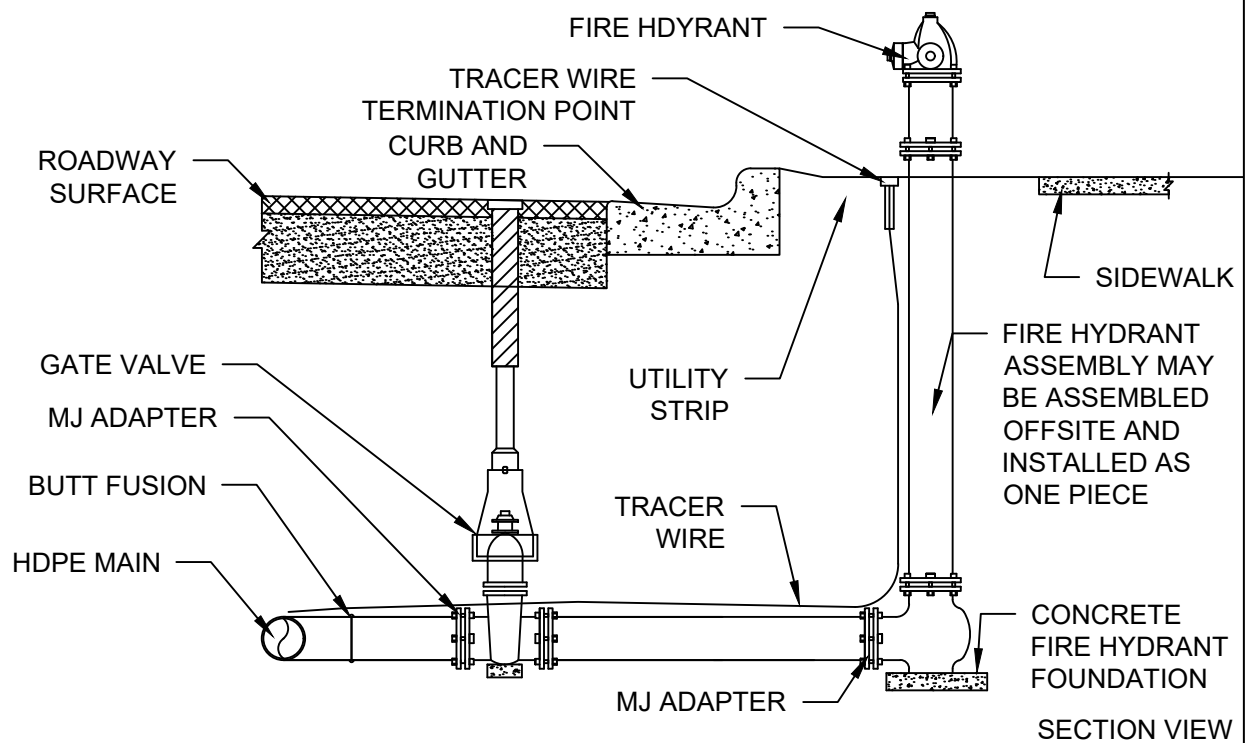
Standard Detail CO-7

Scale: NTS

REV 5/2020



<p>FACTION FUSION SADDLE CONNECTION AND RUBBER COUPLER TO LATERAL</p>	<p>ALLIANCE FOR pe pipe</p>
<p>ALLIANCE FOR PE PIPE</p>	<p>Standard Detail CO-8 Scale: NTS REV 5/2020</p>



FIRE HYDRANT ASSEMBLY
MECHANICAL CONNECTION

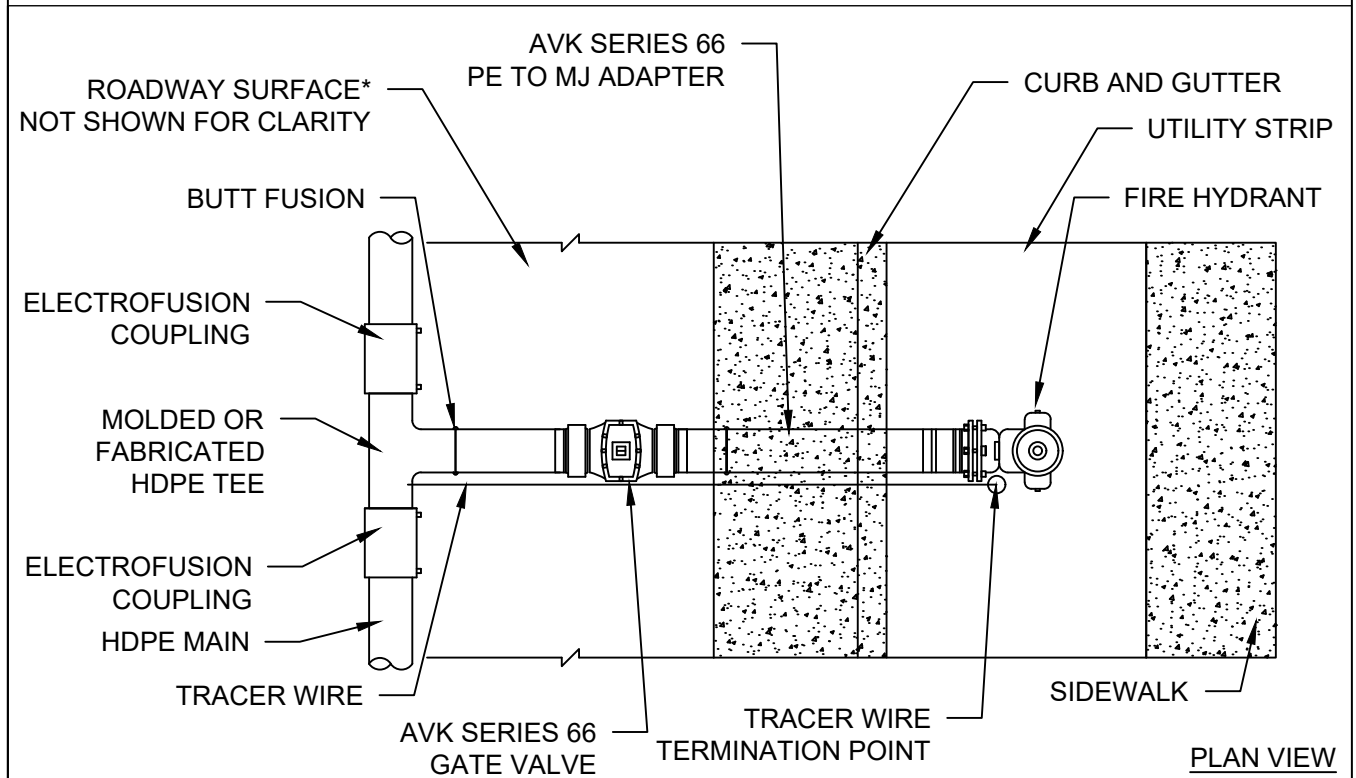
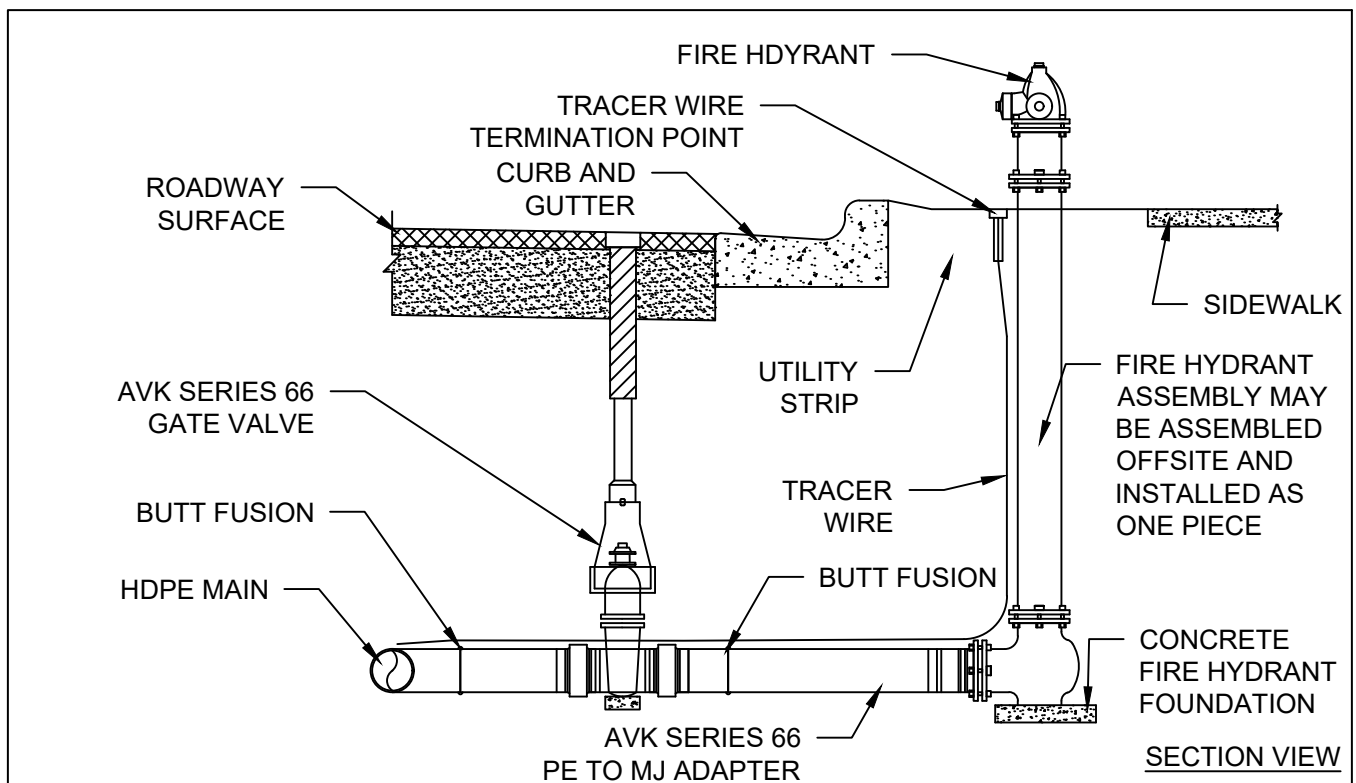


ALLIANCE FOR PE PIPE

Standard Detail FH-1

Scale: NTS

REV 5/2020



FIRE HYDRANT ASSEMBLY
AVK SERIES 66

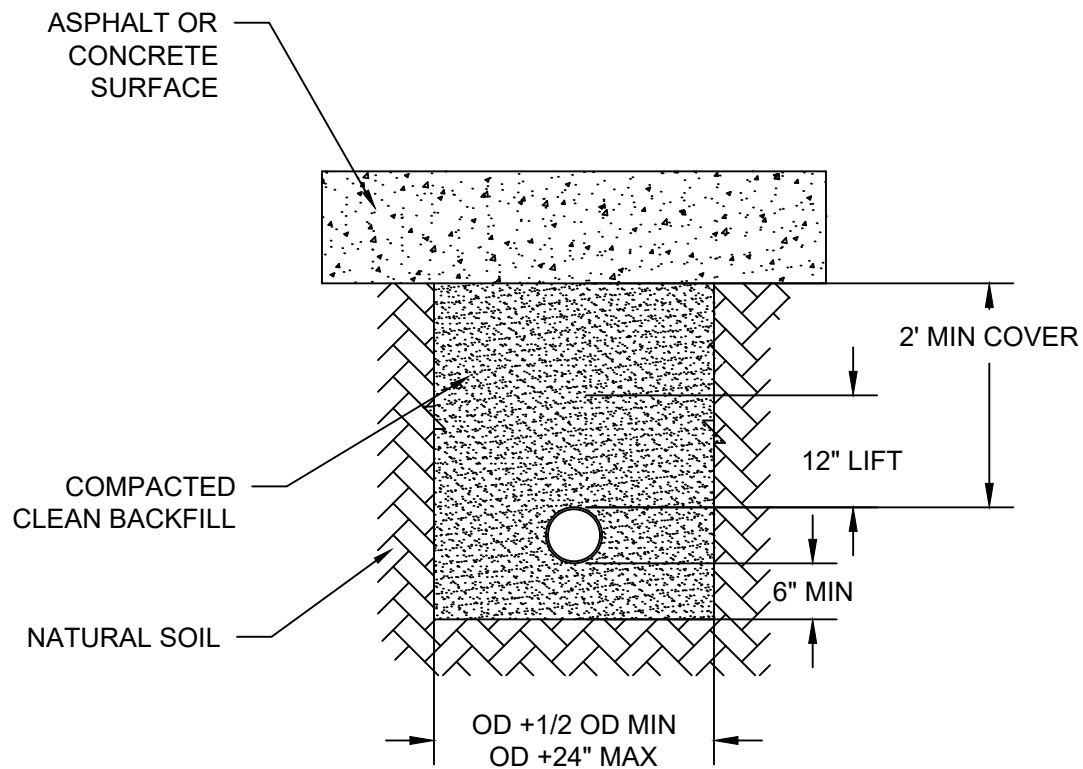


ALLIANCE FOR PE PIPE

Standard Detail FH-2

Scale: NTS

REV 5/2020



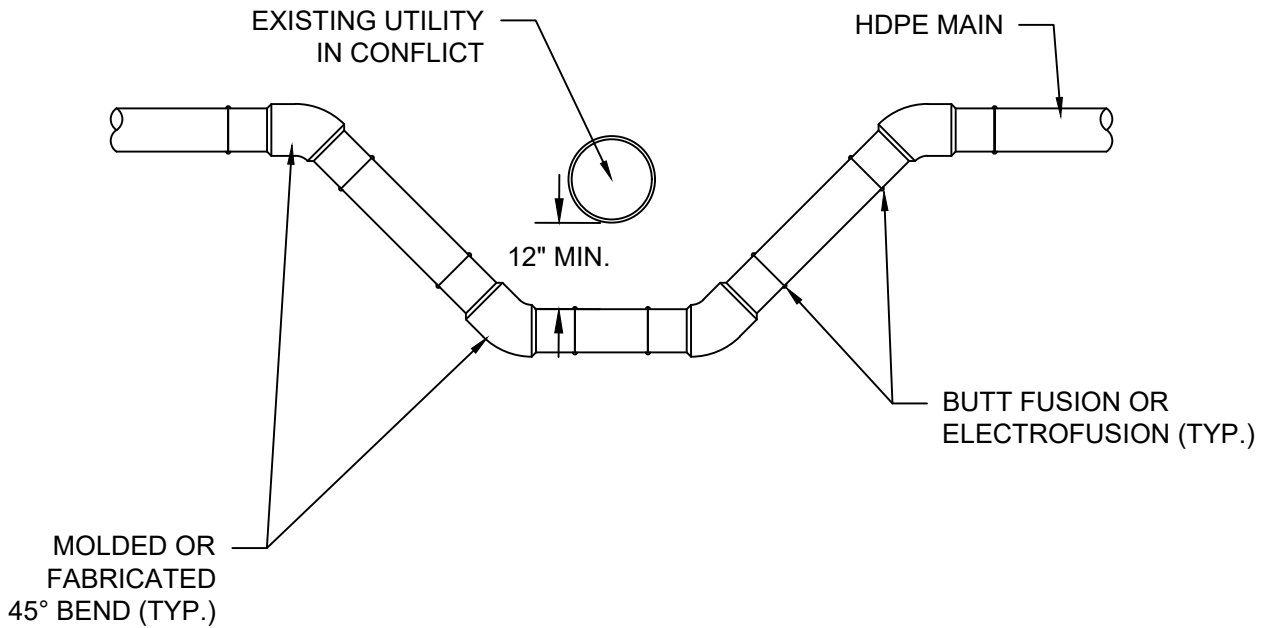
SECTION VIEW

PIPE BEDDING DETAIL

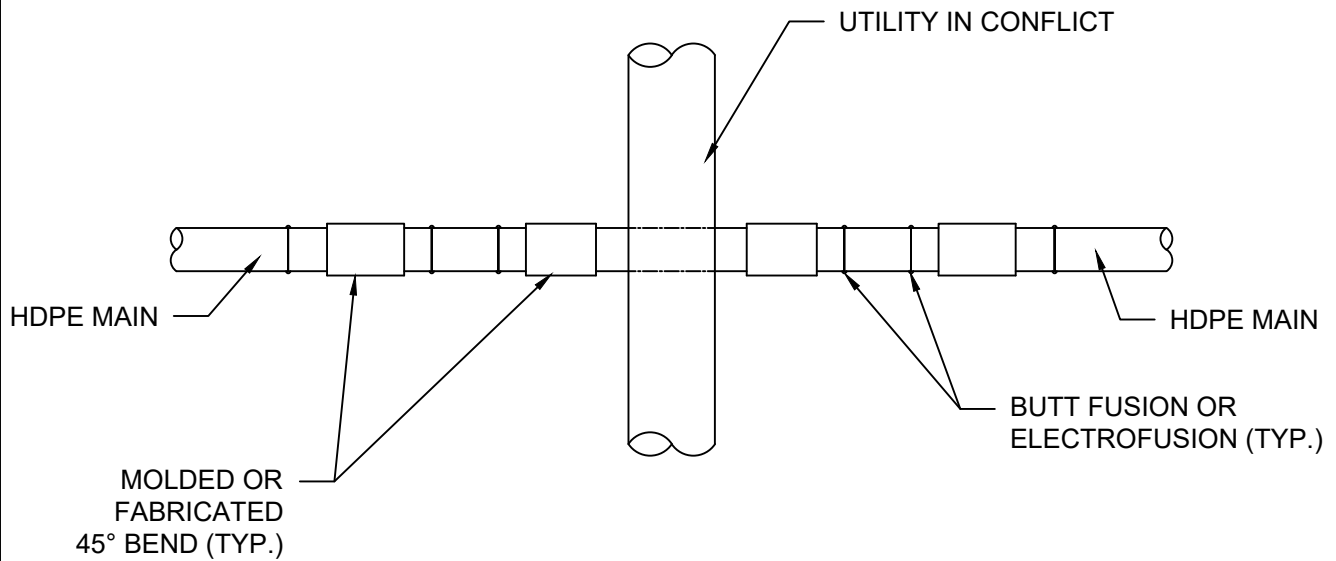


ALLIANCE FOR PE PIPE

Standard Detail INST-1A
Scale: NTS
REV 5/2020



SECTION VIEW



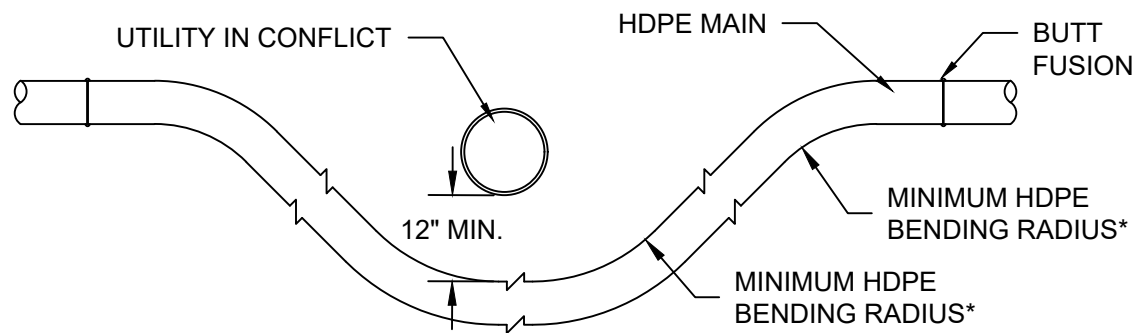
PLAN VIEW

UTILITY CONFLICT FUSION TO
HDPE FITTINGS



ALLIANCE FOR PE PIPE

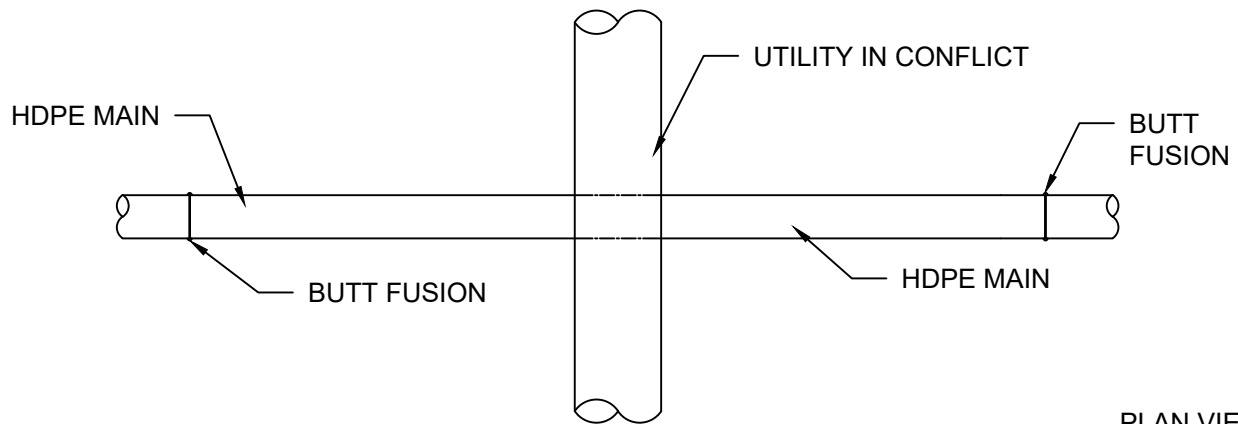
Standard Detail INST-2A
Scale: NTS
REV 5/2020



NOTE:

IF NOT ENOUGH CLEARANCE LENGTH IS AVAILABLE TO AVOID EXISTING UTILITY, USE DETAIL INST-2A WITH FITTINGS.

SECTION VIEW



PLAN VIEW

OD - DIPS (INCHES)	OD - NOMINAL (INCHES)	* MINIMUM BENDING RADIUS PER SDR (FEET)							
		7	9	11	13.5	17	21	26	32.5
		20* R	20* R	25* R	25* R	27* R	27* R	34* R	42* R
4	4.8	8.0	8.0	10.0	10.0	10.8	10.8	13.6	16.8
6	6.9	11.5	11.5	14.4	14.4	15.5	15.5	19.6	24.2
8	9.1	15.1	15.1	18.9	18.9	20.4	20.4	25.6	31.7
10	11.1	18.5	18.5	23.1	23.1	25.0	25.0	31.5	38.9
12	13.2	22.0	22.0	27.5	27.5	29.7	29.7	37.4	46.2
14	15.3	25.5	25.5	31.9	31.9	34.4	34.4	43.4	53.6
16	17.4	29.0	29.0	36.3	36.3	39.2	39.2	49.3	60.9
18	19.5	32.5	32.5	40.6	40.6	43.9	43.9	55.3	68.3
20	21.6	36.0	36.0	45.0	45.0	48.6	48.6	61.2	75.6
24	25.8	43.0	43.0	53.8	53.8	58.1	58.1	73.1	90.3
30	32.0	53.3	53.3	66.7	66.7	72.0	72.0	90.7	112.0
36	38.3	63.8	63.8	79.8	79.8	86.2	86.2	108.5	134.1

UTILITY CONFLICT AND HDPE
BEND RADIUS

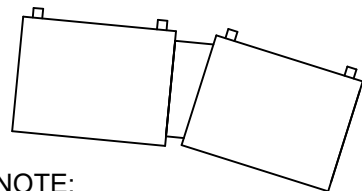
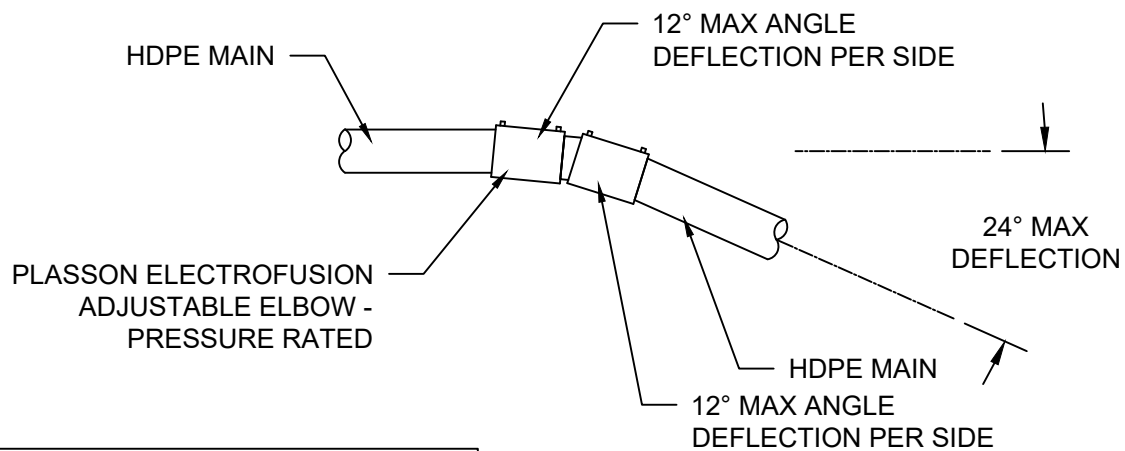


ALLIANCE FOR PE PIPE

Standard Detail INST-2B

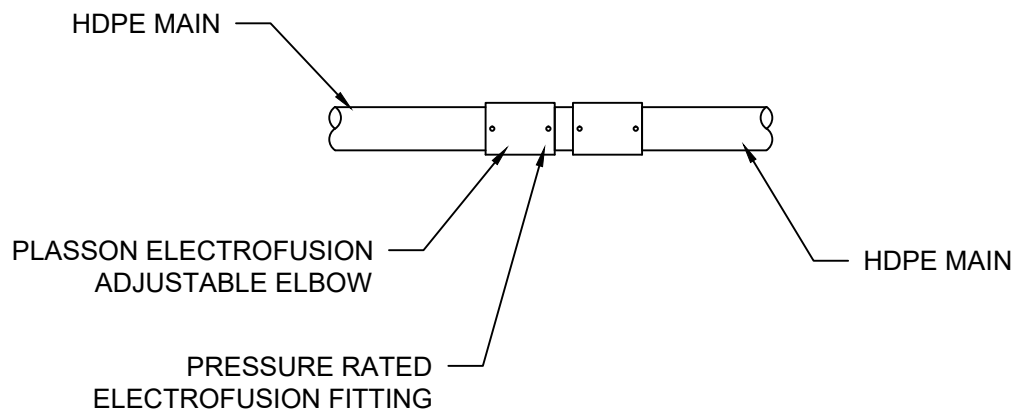
Scale: NTS

REV 5/2020



NOTE:
PLASSON ELECTROFUSION ADJUSTABLE ELBOW IS ONE COMPLETE UNIT

SECTION VIEW



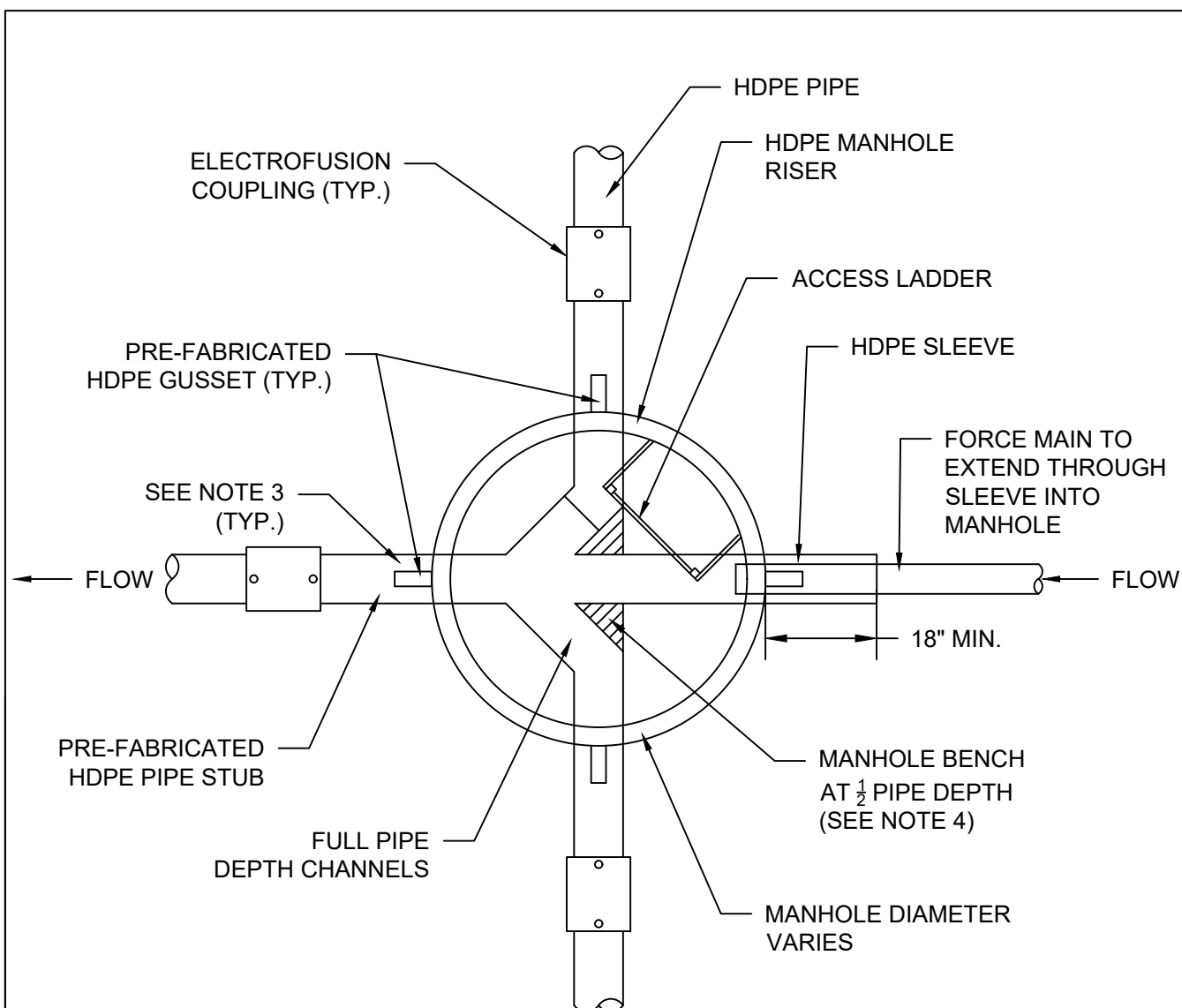
PLAN VIEW

PLASSON ELECTROFUSION
ADJUSTABLE ELBOW



ALLIANCE FOR PE PIPE


Standard Detail INST-2C
Scale: NTS
REV 5/2020

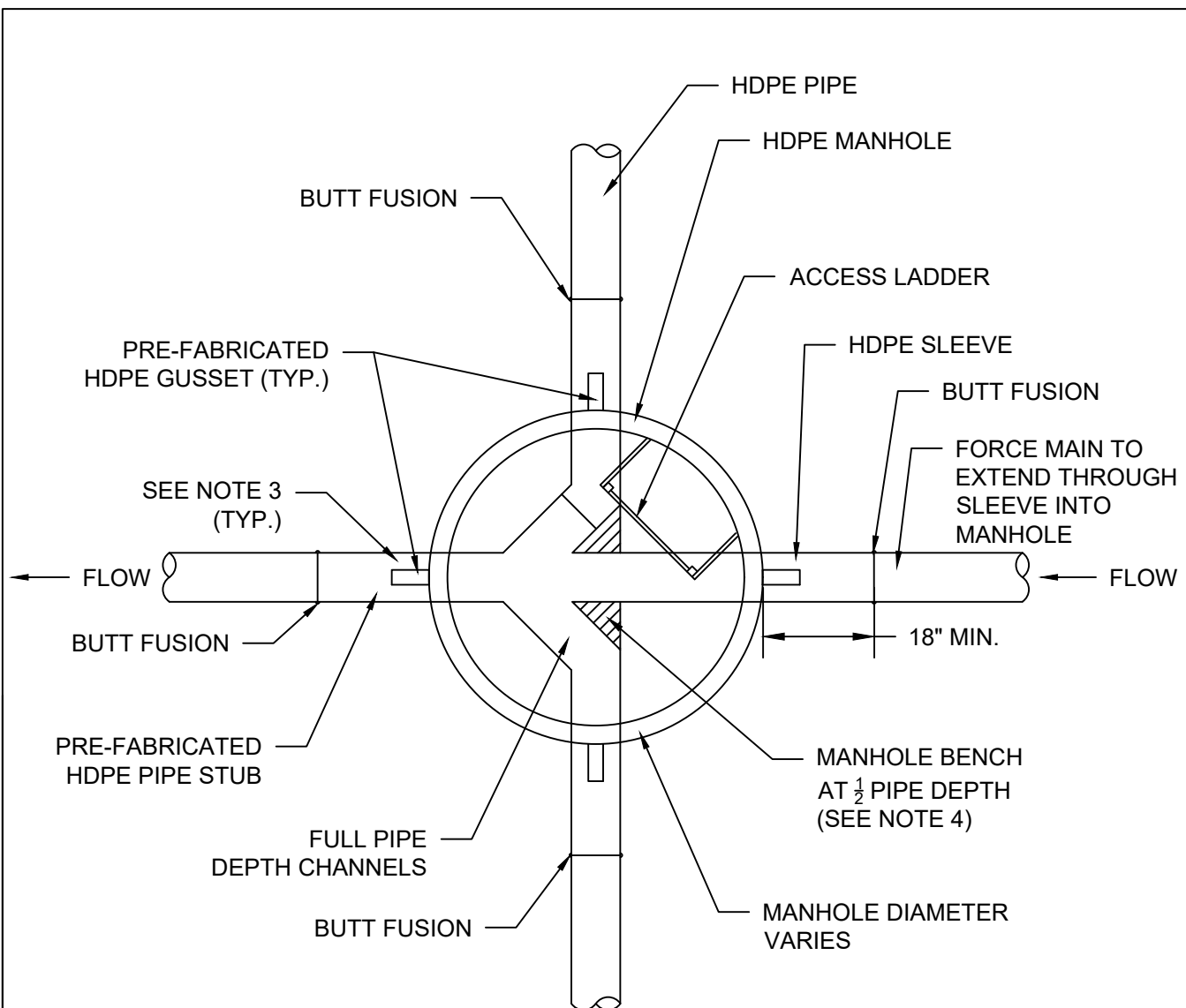


PLAN VIEW
FOR SECTION VIEW SEE
STANDARD DETAIL MH-2A

NOTES:

1. BACKFILL SHALL BE PLACED AROUND THE MANHOLE RISER FOR THE FULL HEIGHT OF THE MANHOLE.
2. BACKFILL SHALL EXTEND A MINIMUM OF 3.5' FROM THE RISER OR TO THE TRENCH WALL (NOT SHOWN), WHICHEVER IS GREATER.
3. PIPE STUB WALL THICKNESS SHALL BE EQUAL TO OR GREATER THAN THE HDPE MAINLINE PIPE SDR.
4. BENCH AND PIPE TO BE AT FULL PIPE DEPTH IN NON-HATCHED AREAS, HATCH LOCATIONS TO BE HALF PIPE DEPTH.

HDPE MANHOLE WITH ELECTROFUSION CONNECTIONS	
ALLIANCE FOR PE PIPE	Standard Detail MH-1A Scale: NTS REV 05/2020



PLAN VIEW
FOR SECTION VIEW SEE
STANDARD DETAIL MH-2A

NOTES:

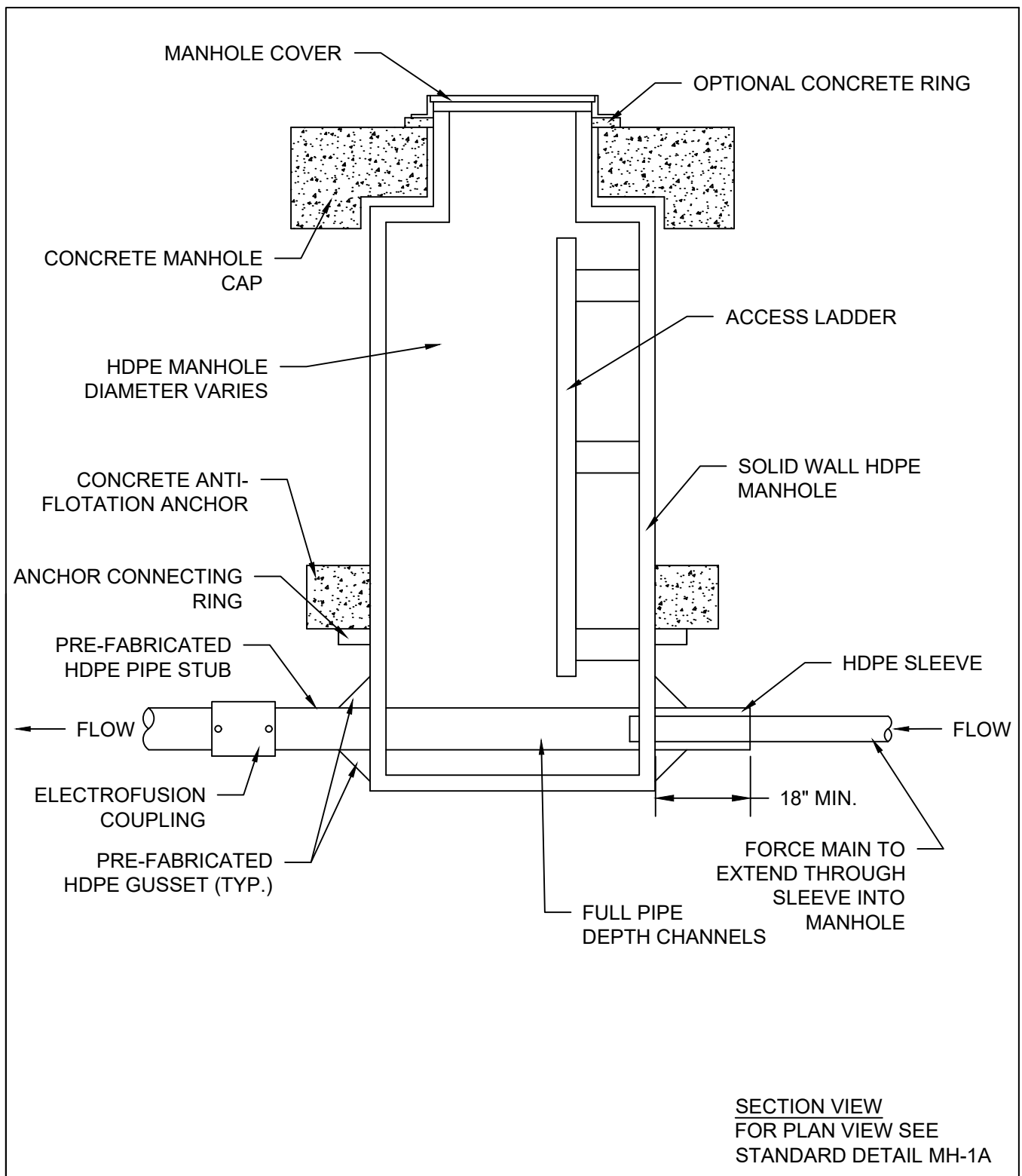
1. BACKFILL SHALL BE PLACED AROUND THE MANHOLE RISER FOR THE FULL HEIGHT OF THE MANHOLE.
2. BACKFILL SHALL EXTEND A MINIMUM OF 3.5' FROM THE RISER OR TO THE TRENCH WALL (NOT SHOWN), WHICHEVER IS GREATER.
3. PIPE STUB WALL THICKNESS SHALL BE EQUAL TO OR GREATER THAN THE HDPE MAINLINE PIPE SDR.
4. BENCH AND PIPE TO BE AT FULL PIPE DEPTH IN NON-HATCHED AREAS, HATCH LOCATIONS TO BE HALF PIPE DEPTH.

HDPE MANHOLE WITH BUTT
FUSION CONNECTIONS

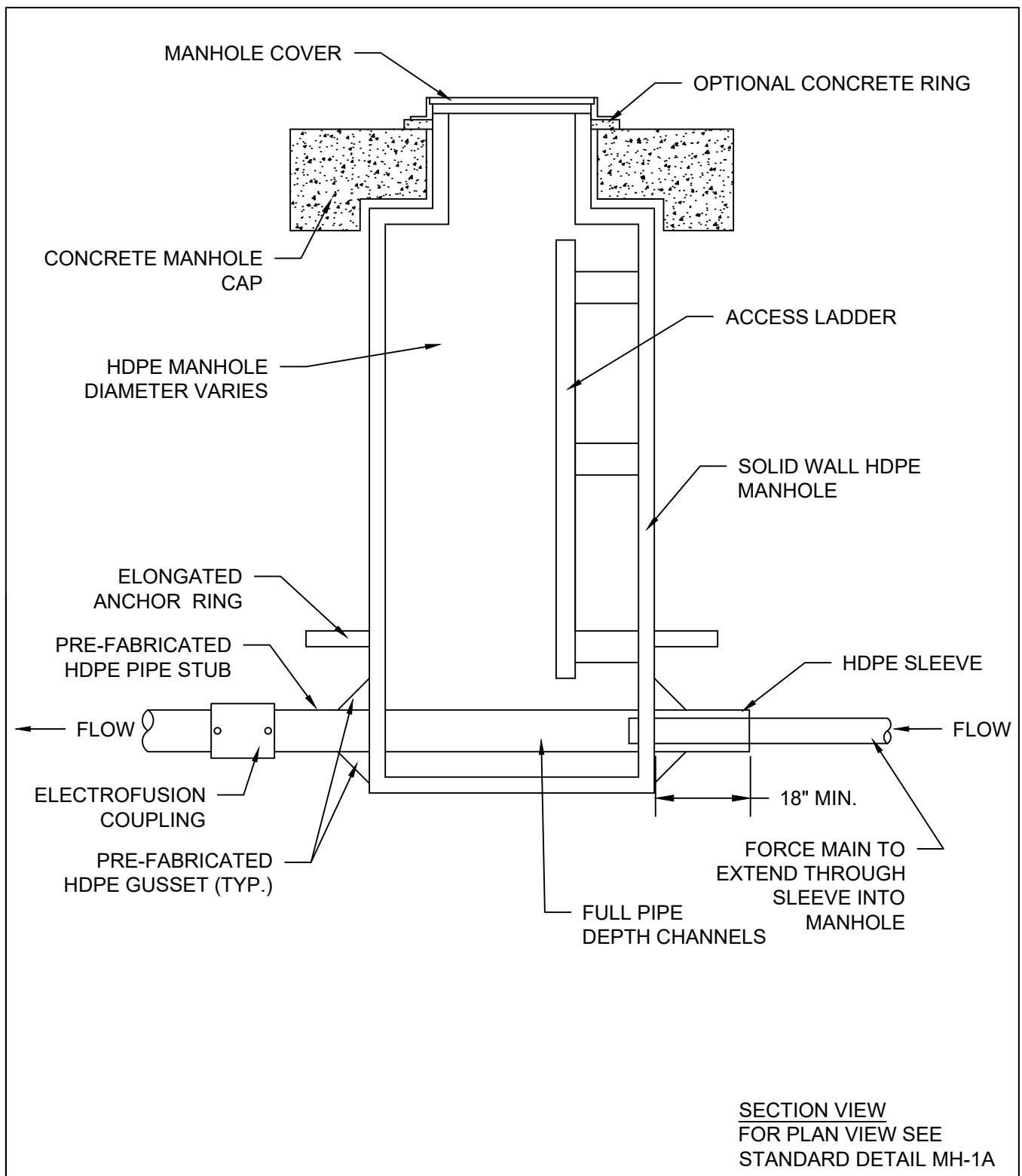



ALLIANCE FOR PE PIPE

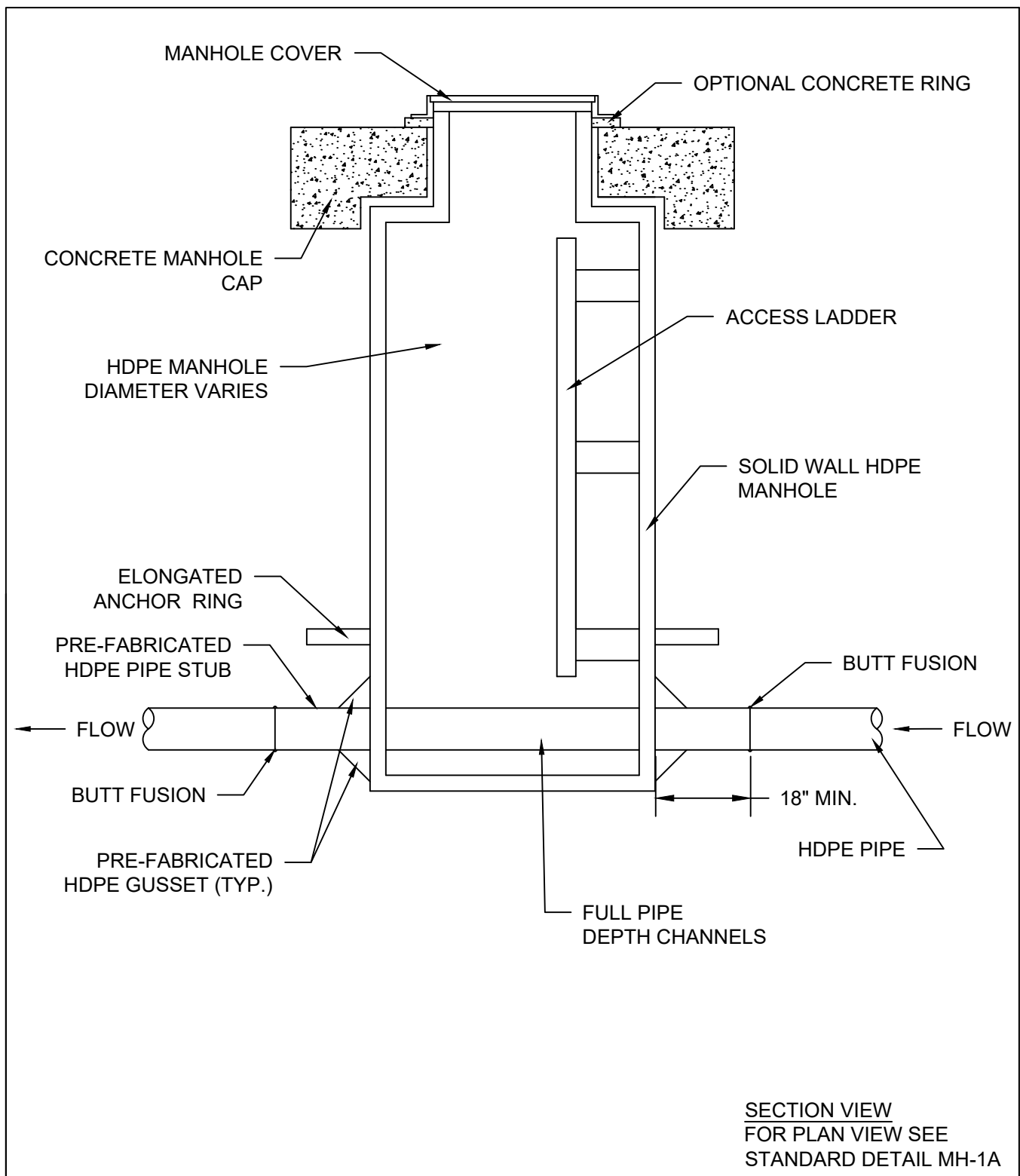
Standard Detail MH-1B
Scale: NTS
REV 05/2020



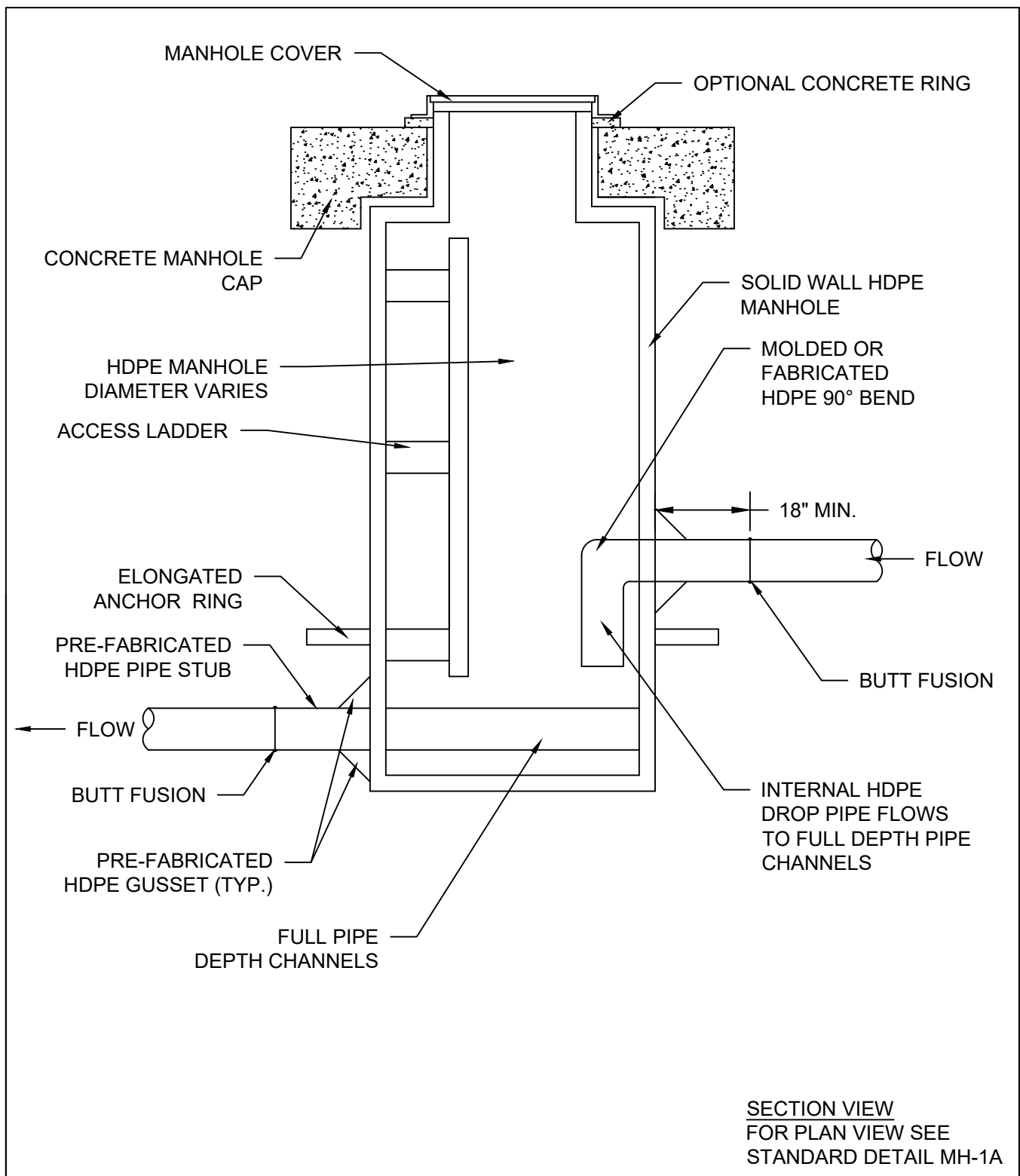
<p>HDPE MANHOLE WITH ELECTROFUSION CONNECTIONS</p>	<p>ALLIANCE FOR pe pipe</p>
<p>ALLIANCE FOR PE PIPE</p>	<p>Standard Detail MH-2A Scale: NTS REV 05/2020</p>



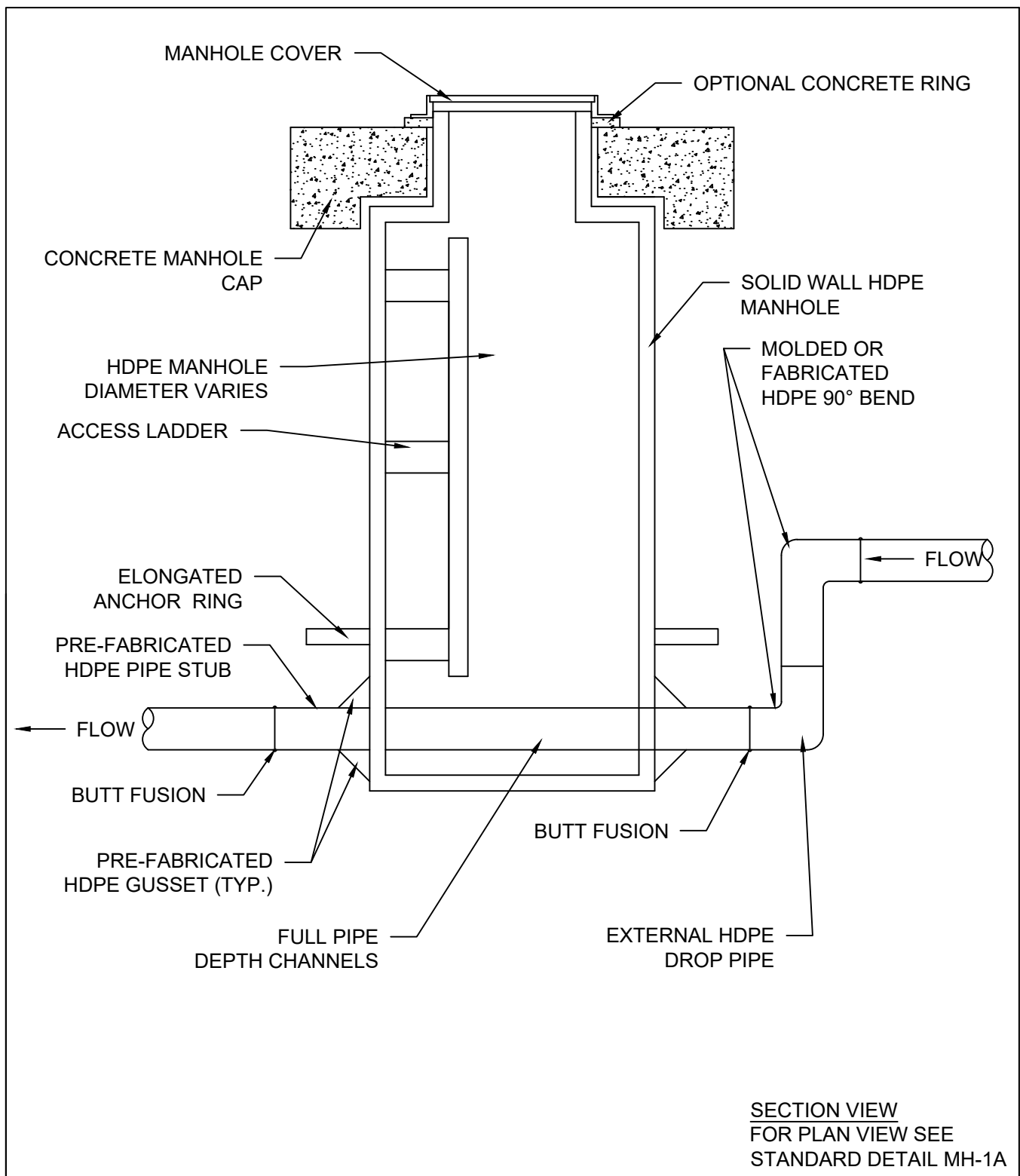
HDPE MANHOLE WITH ELECTROFUSION CONNECTIONS AND ELONGATED ANCHOR RING	
ALLIANCE FOR PE PIPE	Standard Detail MH-2B Scale: NTS REV 05/2020



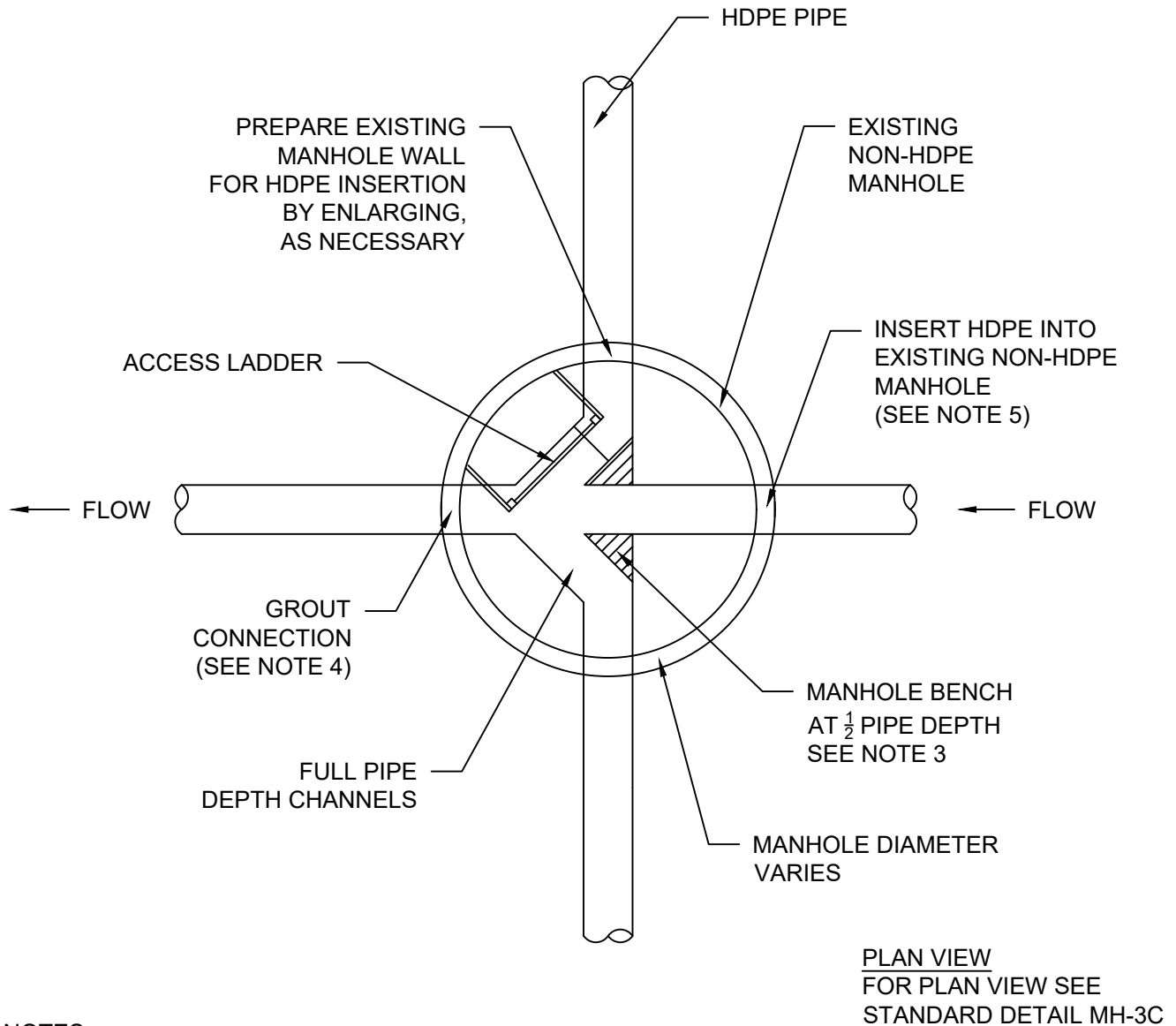
<p>HDPE MANHOLE WITH BUTT FUSION CONNECTIONS AND ELONGATED ANCHOR RING</p>	<p>ALLIANCE FOR pe pipe</p>
<p>ALLIANCE FOR PE PIPE</p>	<p>Standard Detail MH-2C Scale: NTS REV 05/2020</p>



<p>HDPE MANHOLE WITH BUTT FUSION CONNECTIONS AND INTERNAL HDPE DROP PIPE</p>	<p>ALLIANCE FOR pe pipe</p>
<p>ALLIANCE FOR PE PIPE</p>	<p>Standard Detail MH-2D Scale: NTS REV 05/2020</p>



<p>HDPE MANHOLE WITH BUTT FUSION CONNECTIONS AND EXTERNAL HDPE DROP PIPE</p>	<p>ALLIANCE FOR pe pipe</p>
<p>ALLIANCE FOR PE PIPE</p>	<p>Standard Detail MH-2E Scale: NTS REV 05/2020</p>



NOTES:

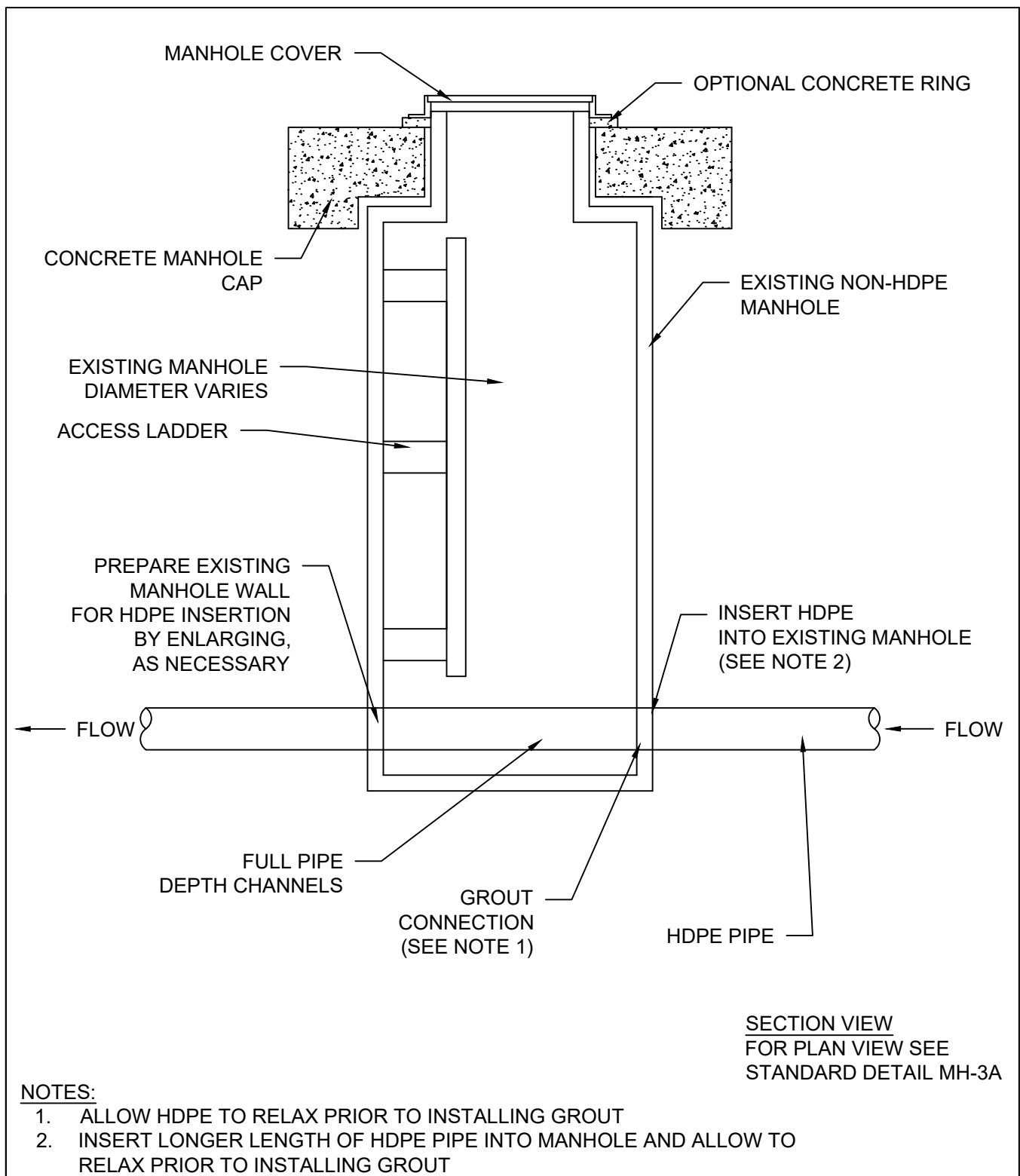
1. BACKFILL SHALL BE PLACED AROUND THE MANHOLE RISER FOR THE FULL HEIGHT OF THE MANHOLE.
2. BACKFILL SHALL EXTEND A MINIMUM OF 3.5' FROM THE RISER OR TO THE TRENCH WALL, WHICHEVER IS GREATER.
3. BENCH AND PIPE TO BE AT FULL PIPE DEPTH IN NON-HATCHED AREAS, HATCH LOCATIONS TO BE HALF PIPE DEPTH.
4. ALLOW HDPE TO RELAX PRIOR TO INSTALLING GROUT
5. INSERT LONGER LENGTH OF HDPE PIPE INTO MANHOLE AND ALLOW TO RELAX PRIOR TO INSTALLING GROUT


CONNECTING HDPE TO
NON-HDPE MANHOLE

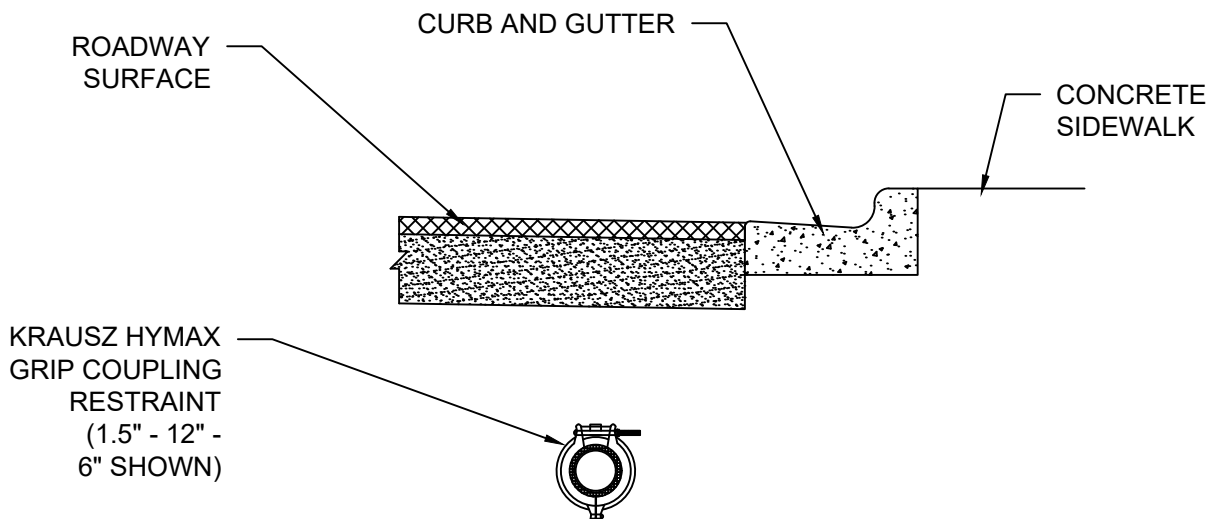


ALLIANCE FOR PE PIPE

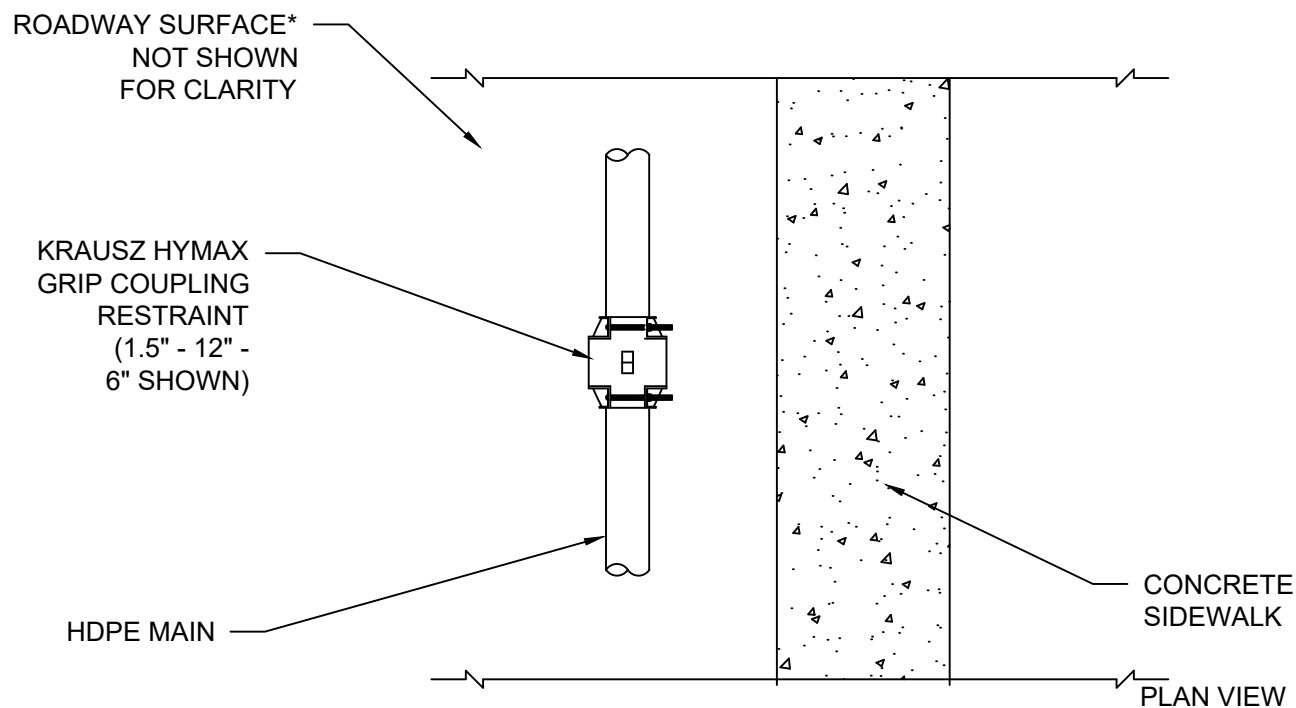
Standard Detail MH-3A
Scale: NTS
REV 05/2020



CONNECTING HDPE TO NON-HDPE MANHOLE	
ALLIANCE FOR PE PIPE	Standard Detail MH-3B Scale: NTS REV 05/2020



SECTION VIEW



PLAN VIEW

KRAUSZ HYMAX GRIP
COUPLING - REPAIR OR
RESTRAINED CONNECTION

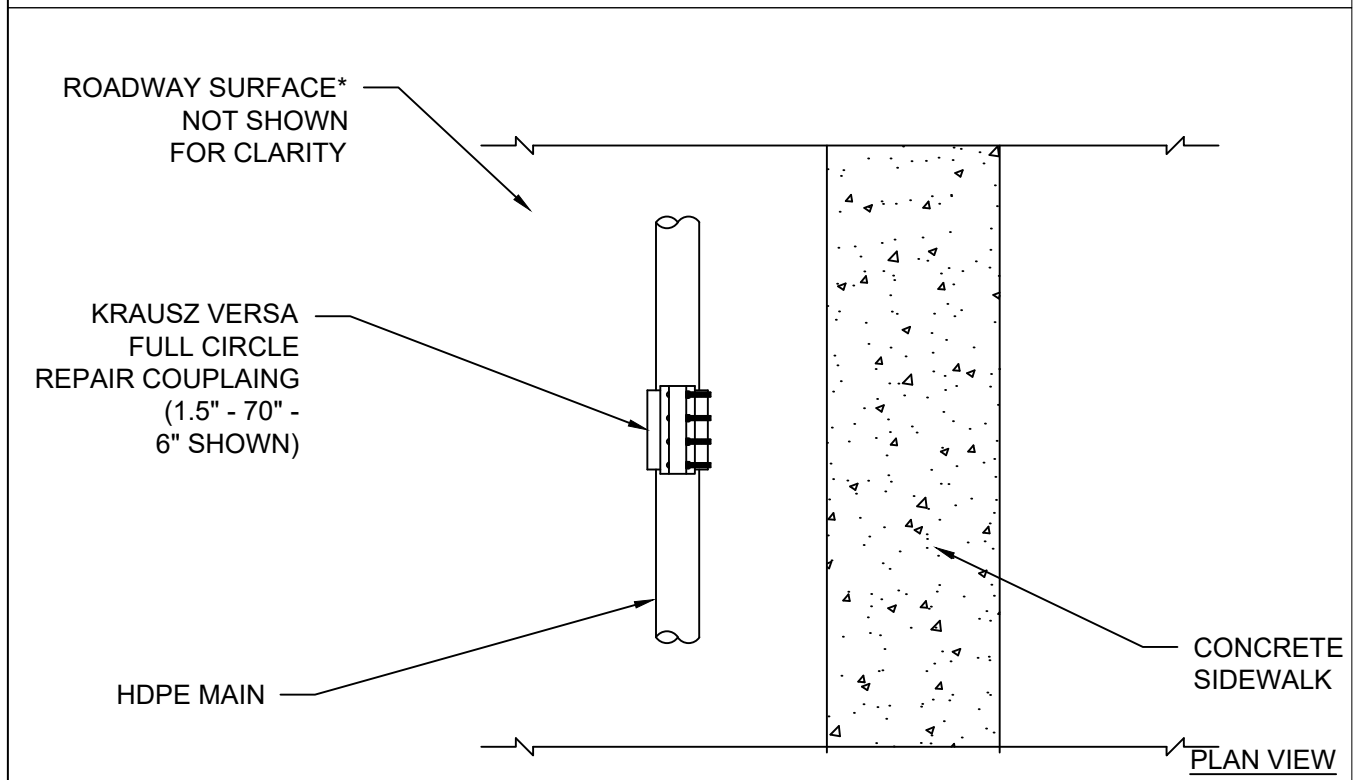
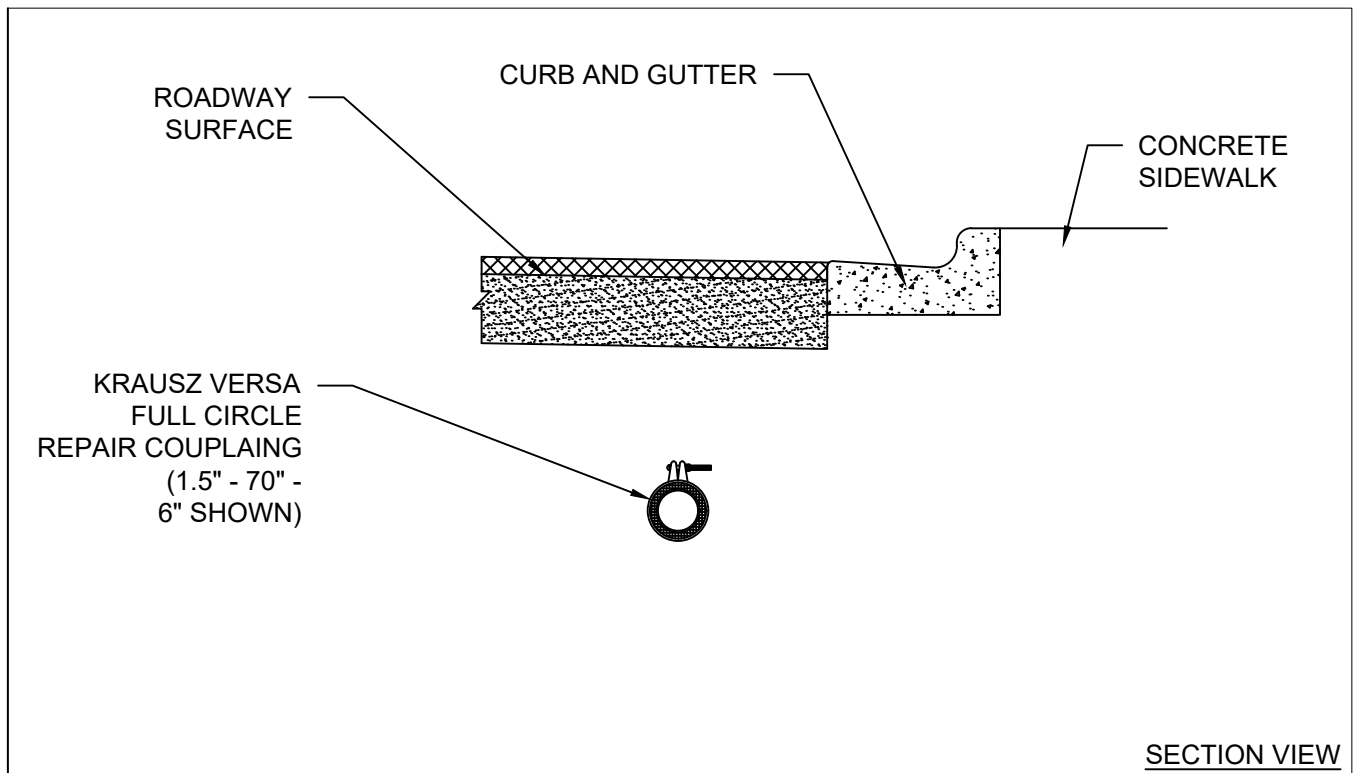



ALLIANCE FOR PE PIPE

Standard Detail REP-1

Scale: NTS

REV 05/2020



KRAUSZ VERSA FULL CIRCLE REPAIR COUPLING - NON-RESTRAINED (1.5" - 70")	
ALLIANCE FOR PE PIPE	Standard Detail REP-2 Scale: NTS REV 05/2020