## TYPICAL DEADMAN THRUST RESTRAINT





STREET TRENCH

## NOTES

- BEDDING MATERIALS SHALL BE 1/4" TO 1 1/2" GRADED CRUSHED STONE SUCH AS: 56,57,6,67,68,7,08,78, STONE PER ALDOT STANDARD SPECS. WIDTH VARIES BASED ON WALL STABILITY. STABLE WALLS WIDTH AS NEEDED TO JOIN PIPE
- AND COMPACT HAUNCHING AND INITIAL BACKFILL. UNSTABLE WALLS: WIDTH TO BE A MINIMUM OF FIVE TIMES PIPE DIAMETER. FLOWABLE FILL CAN BE USED AS BACKFILL, BUT MUST HAVE PRIOR APPROVAL AND MUST BE
- ALLOWED TO SET FOR 24 HOURS PRIOR TO TOPPING
- ALLOWED TO SET FOR 24 HOURS FROM TO TOPPING. APPROVED BACKFILL MATERIAL INCLUDES 825 B, FLOWABLE FILL AND APPROVED DIRT. ALTERNATIVE MATERIAL MUST BE APPROVED BY PROJECT MANAGER PRIOR TO USE.



CASING SECTION

210

5

 NOIES

 1.
 ALL SPACER BANDS SHALL BE MADE FROM T-304 STAINLESS STEEL OF A

 MINIMUM 14 GAUGE
 THICKNESS.

 2.
 ALL SPACERS SHALL HAVE A SYNTHETIC RUBBER OR PVC LINER TO INSULATE THE

 PIPELINE
 FROM THE SPACER.

 3.
 ALL SPACERS SHALL HAVE 1.5" WIDE GLASS REINFORCED PLASTIC OR UHMW

 POLYMER
 RUNNERS TO INSULATE THE SPACER.

 4.
 SPACERS TO BE MANUFACTURED BY CASCADE WATERWORKS MFG. CO. (PSI)

 PIPELINE SEAL
 AND INSULATOR INC OR EQUAL.

 5.
 6" THRU 12" DIAMETER PIPELINE SHALL USE 8" WIDE BANDS: GREATER THAN 12"

 DIAMETER
 PIPELINES SHALL USE 12" WIDE BANDS.

 6.
 CENTERED RESTRAINED CASING SPACERS SHALL BE SPACED AT A MAXIMUM OF

 TEN FEET
 APART WITH A MINIMUM OF TWO SPACERS PER JOINT OF PIPE.











## TYPICAL HDPE TO DUCTILE IRON MAIN TRANSITION

STANDARD DETAILS: WATER - SHEET 4 OF 4				
	DEPARTMENT:	WRM	REVISIONS:	DCM 2010
	SCALE:	N.T.S.		JC-10-2011
	DRAWN BY:	MW		JC-12-2012
	REVIEWED BY:	JС		MW-12-2020
	APPROVED BY:	EC		MW-12-2021
	IMPLEMENTED:	IANIIARY 2008		IP-02-2024