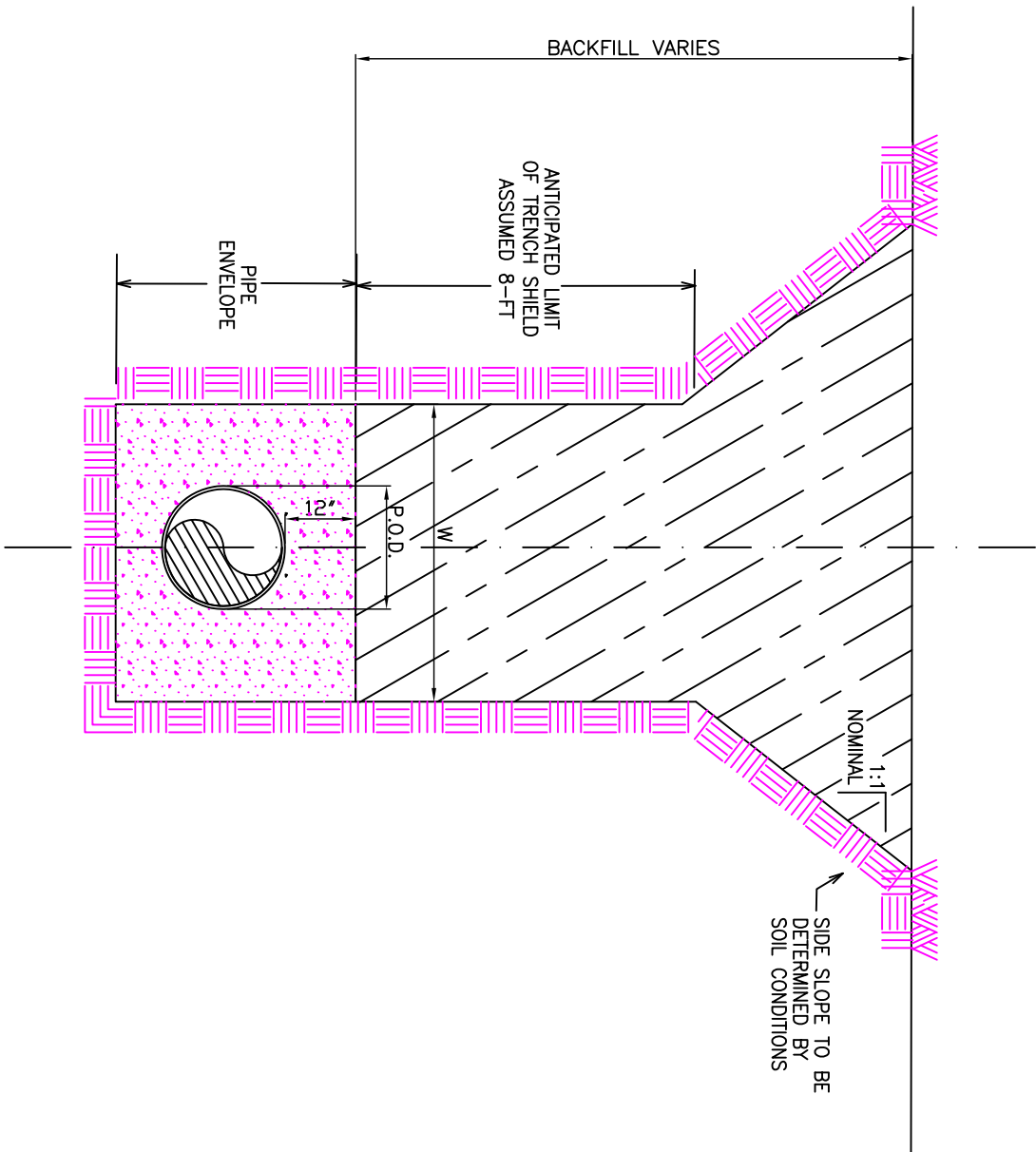


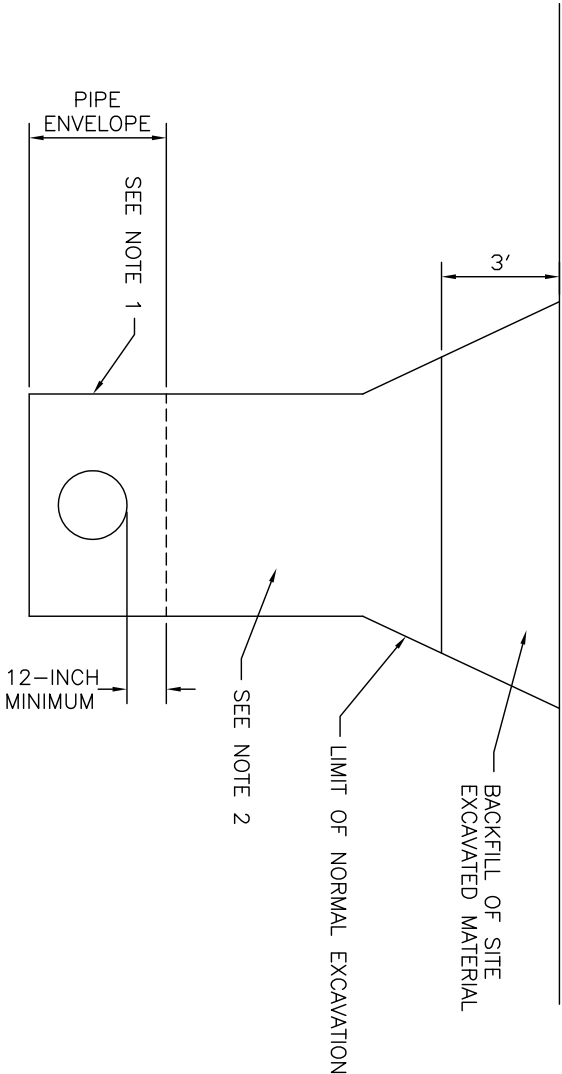
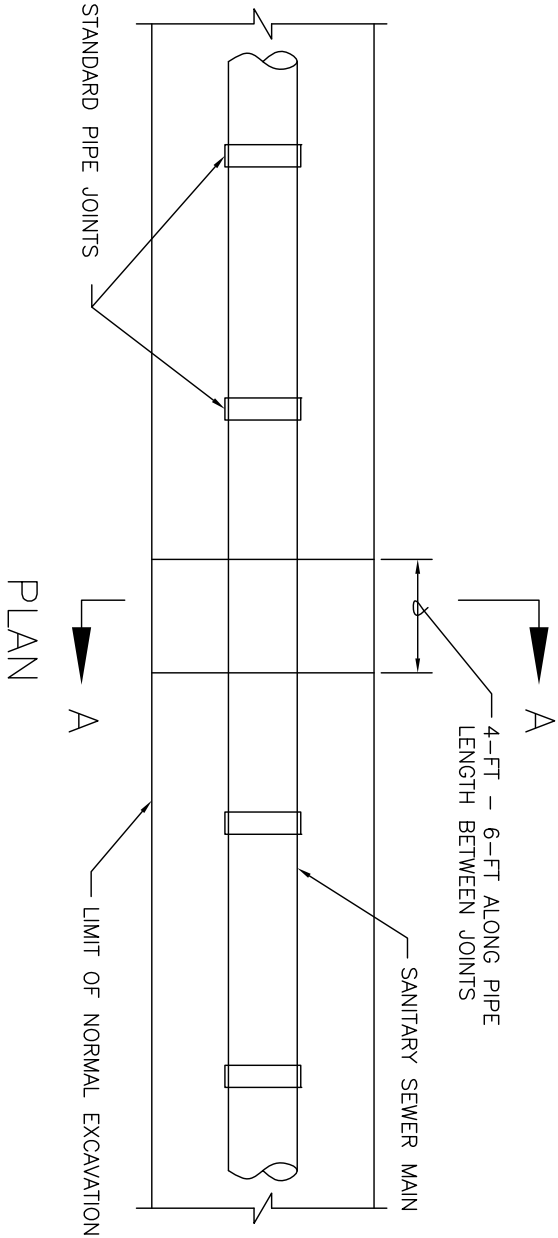
NOMINAL PIPE DIA. (INCHES)	6	8	10	12	15	16	18	21	24	30	36	42	48	54	60	72	84	96
W (FEET)	5	5	5	5	5	5	5	6	6	7	7	8	8	9	9	11	12	13



- NOTES:
- PIPE ENVELOPE WIDTH 'W' EQUALS PIPE O.D. (P.O.D.) PLUS 3-FT WITH A 5-FT MINIMUM.
 - PIPE ENVELOPE AND BACKFILL ABOVE PIPE ENVELOPE SHALL BE ACCORDING TO SECTION 02200.

FILE NO.:	2200-031	CEDAR RAPIDS METROPOLITAN AREA STANDARD DETAILS FOR PUBLIC IMPROVEMENTS STANDARD TRENCH SECTION IN SOIL	NO. 2200-031
APPROVAL DATE:	AUG 1999		
REVISION NO.:			
REVISION DATE:			

PROJECT NO: HX0789		DRAWN BY: BGA	
		APPROVED BY: GMH	
		DATE: 10/10/2012	
NO.	REVISION	DESCRIPTION	APPROVED
			DATE



- NOTES:
- AFTER INITIAL EXCAVATION, PLACE AND COMPACT SUITABLE CLAYEY MATERIAL AS SPECIFIED. PROVIDE CRADLE FOR PIPE EQUAL TO SPECIFIED BEDDING CLASS. AFTER PIPE INSTALLATION, PLACE AND COMPACT SUITABLE CLAYEY MATERIAL WITHIN PIPE ENVELOPE TO SPECIFIED DENSITY.
 - ABOVE PIPE ENVELOPE PLACE SUITABLE EXCAVATED MATERIAL AND COMPACT TO DENSITY SPECIFIED FOR TRENCH BACKFILL.
 - CONTRACTOR MAY ELECT TO REEXCAVATE, AFTER INITIAL INSTALLATION AND BACKFILLING, TO CONSTRUCT WATERSTOP. APPROPRIATE MEASURES TO PROTECT PIPE AND TO MAINTAIN ITS SUPPORT, SHALL BE TAKEN.
 - WATERSTOPS SHALL BE SPACED AT NOMINAL 800 FOOT INTERVALS OR AS INDICATED IN THE DRAWINGS.

FILE NO.:	2200-040	CEDAR RAPIDS METROPOLITAN AREA STANDARD DETAILS FOR PUBLIC IMPROVEMENTS	NO. 2200-040
APPROVAL DATE:	AUG 1999		
REVISION NO.:			
REVISION DATE:			
WATERSTOP FOR TRENCHES			

ALLTRANS, INC.		City of Holy Cross Subdivision No.3	
4403 1st Avenue S.E.		Dubuque County, Iowa	
Cedar Rapids, Iowa 52402			
Phone: (319) 393-8726			
		Legend, Standard Details, And Bench Mark Information	