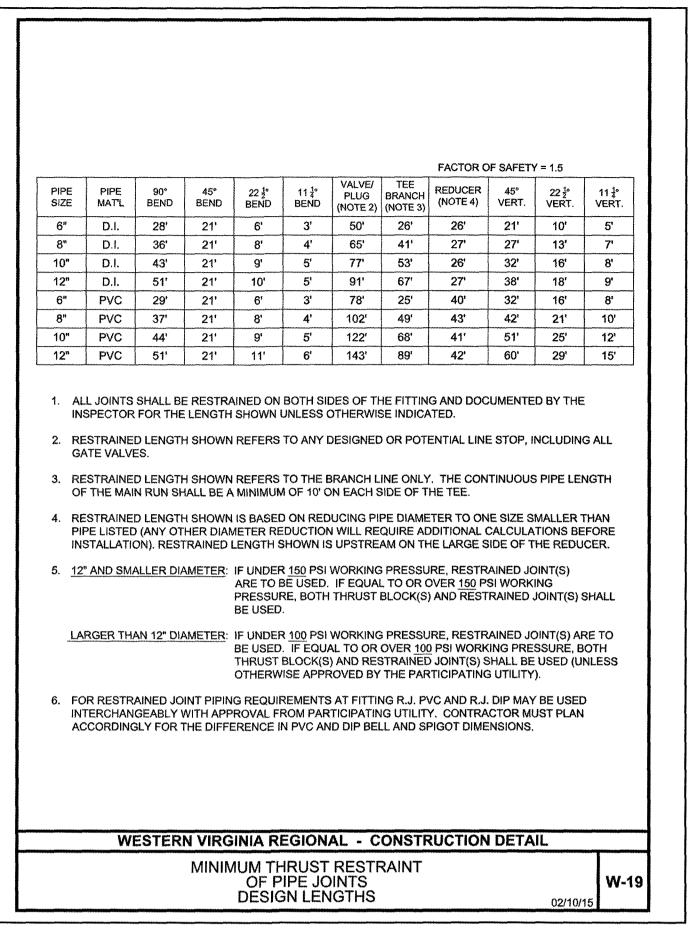


				HRUST I			02/10/15 <b>W</b> -
		ABLE 3 AV	/WA C600-0	05		dinamental di santa d	
Maximum Joint Defle		Maximum Offset - S* (Inches)		Approximate Radius of Curve - R* Produced by Succession of Joints			•
Nominal Pipe Size (inches)	Deflection Angle - θ (degree)	Joint Length 18-Feet	Joint Length 20-Feet	Joint Length 18-Feet	Joint Length 20-Feet		
3	5°	19	21	205	230		
4	5°	19	21	205	230		
6	5°	19	21	205	230		
8	5°	19	21	205	230		,
10	5°	19	21	205	230		
12	5°	19	21	205	230		
14	3°	11	12	340	380	and the same of th	
16	3°	11	12	340	380	and the same of th	<i>/</i> \
18	3°	11	12	340	380	The state of the s	
20	3°	11	12	340	380	<b></b>	s / /~
30	3°	11	12 12	340 340	380 380		
IN	an shown a STALLATIO T Joint Deflect	N OF DUCT ABLE 4 AW	TILE IRON V /WA C600-0	VATER MAI 15 - Mechanica	l Joint Pipe		R
		Maximum Offset - S* (Inches)		Approximate Radius of Curve - R* Produced by Succession of Joints			θ
Nominal Pipe Size (inches)	Deflection Angle - 0 (degree)	Joint Length 18-Feet	Joint Length 20-Feet	Joint Length 18-Feet	Joint Length 20-Feet		<ul> <li>\theta = Deflection angle</li> <li>S = Joint Deflection offset</li> <li>L = Laying Length</li> <li>R = Radius of curve</li> </ul>
3	8"-18"	31	35	125	140		$R = L/(2\tan\theta/2)$
4	8°-18"	31	35	125	140		FIGURE 4
6	7°-07"	27	30	145	160		I I WORKE T
8	5°-21"	20	22	195	220		
10	5°-21"	20	22	195	220		
12	5°-21" 3°-35"	20 13.5	22 15	195 285	220 320		
16	3°-35"	13.5	15	285	320		
18	3°-00"	11	12	340	380		
	3°-00"	11	12	340	380		
		9	10	450	500		
20	2°-23"				,		
20	L		I	*·····································		J	



CONCRETE SHALL BE 3000 P.S.I. READY MIX CONCRETE. REINFORCING BARS SHALL BE DEFORMED, AND TIED TOGETHER.

> "CORTEN" THREADED RODS (TYPICAL) SEE THREADED ROD

LAST JOINT OF PIPE WITH THRUST COLLAR TO BE MECHANICAL JOINT PIPE.

PLACE RESTRAINED JOINT THRUST RING 4' FROM FITTING END OF PIPE.

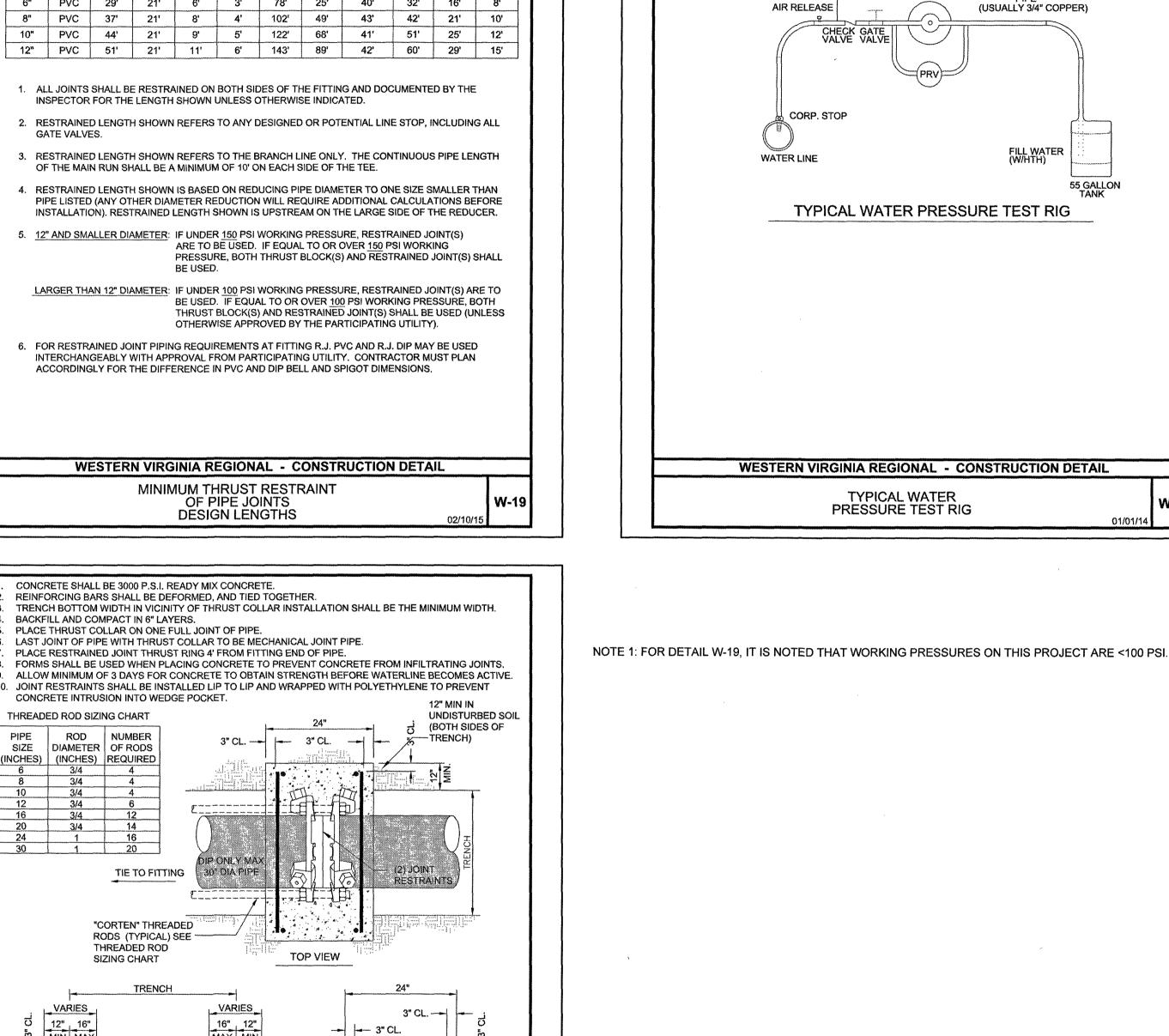
PLACE THRUST COLLAR ON ONE FULL JOINT OF PIPE

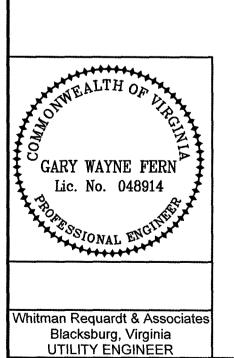
CONCRETE INTRUSION INTO WEDGE POCKET.

THREADED ROD SIZING CHART

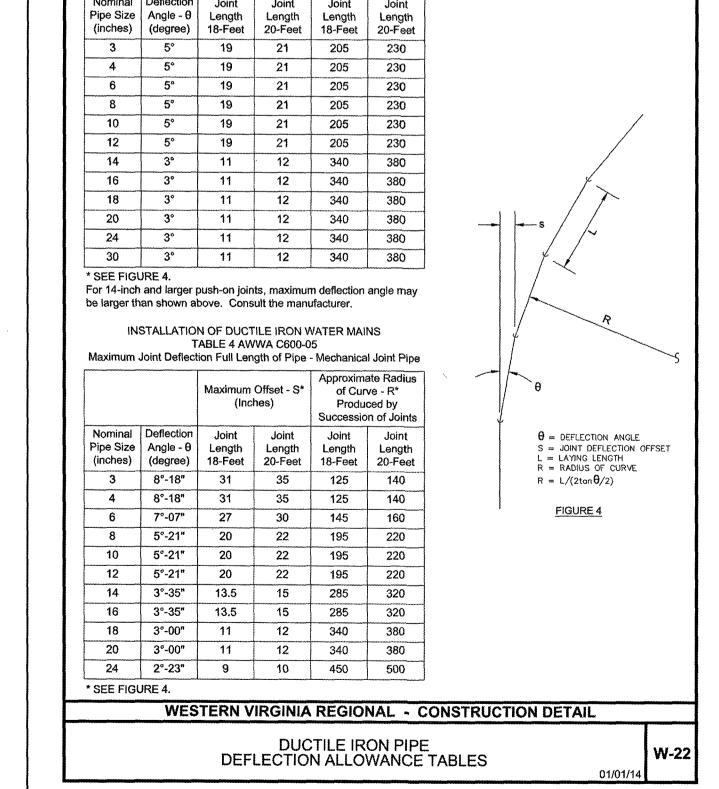
DIAMETER OF RODS

BACKFILL AND COMPACT IN 6" LAYERS.









**COUNTY OF ROANOKE** 5204 BERNARD DRIVE ROANOKE, VA 24018

**VDOT PROJECT NUMBERS:** 0115-080-R95, P101, C501 & EN12-080-823, P101, R201, C501 VDOT UPC NUMBERS: 98220 & 103607

PLANTATION ROAD, BICYCLE, PEDESTRIAN, AND STREETSCAPE IMPROVEMENTS PROJECT

SIDE VIEW

WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL

THRUST COLLAR DETAIL

Drawing DETAIL DRAWING WVWA – WATER

Sheet 10(2A)

Description