PROJECT TYPICAL DETAILS

PIPE DIAMETER (INCHES)	RESTRAINED LENGTH IN FEET EACH SIDE OF FITTING JOINT							
		45 ^o (horizontal /	45 ^o (vertical					
	90 ⁰	vertical up)	down)	22.5 ⁰	11.25 ⁰	Dead End		
6"	60'	25'	60'	15'	10'	145'		
8"	75'	30'	80'	15'	10'	185'		
10"	75'	40'	90'	20'	10'	225'		
12"	75'	45'	110'	20'	10'	265'		
16"	130'	55'	110'	25'	15'	335'		

PIPE DIAMETER - (INCHES)	RESTRAINED LENGTH IN FEET FOR REDUCER						
	6"	8"	10"	12"	16"		
6"	1		10 10 10 ² 0 10	-	-		
8"	80'			-	-		
10"	140'	75'	п.	-	-		
12"	190'	140'	75'	-	-		
16"	280'	245'	200'	145'	-		

PIPE DIAMETER (INCHES)	RESTRAINED LENGTH IN FEET EACH SIDE OF TEE					
	6"	8"	10"	12"	16"	
6"	125'	-	· · · · · · · · · · · · · · · · · · ·	-	-	
8"	115'	165'	(in the second s	-	-	
10"	110'	160'	200'	-	-	
12"	100'	155'	200'	240'	-	
16"	90'	145'	190'	235'	315'	

RESTRAINED JOINT TABLE

NOTES:

1. RESTRAINED JOINT TABLE DEVELOPED USING THE DUCTILE IRON PIPE RESEARCH ASSOCIATION (DIPRA) THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE COMPUTER PROGRAM.







