SLIP JOINT PIPE.

NO. DESCRIPTION:

- RESTRAINED JOINT PIPE.
- RESTRAINED JOINT. 3.
- RESTRAINED MJ CAP WITH BLOW-OFF.
- GATE VALVE (MJ X MJ) RESTRAINED.

DESIGN BASIS:

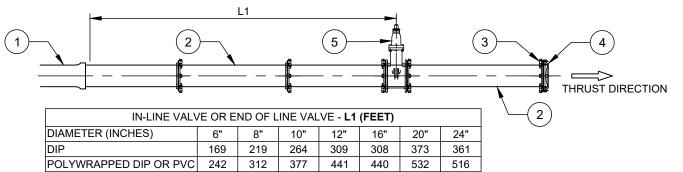
DIPRA "THRUST RESTRAINT DESIGN FOR DIP" LAYING CONDITION: TYPE 2 SOIL DESIGNATION: SILT 1 DEPTH OF COVER: 3' MINIMUM (SEE NOTE c) **DESIGN PRESSURE: 200 PSI** SAFETY FACTOR: 2.0

NOTES:

- 12" AND SMALLER DIP MAY BE SLIP JOINT PIPE WITH GRIP RESTRAINT GASKETS.
 - 16" AND LARGER DIP SHALL BE FACTORY RESTRAINT JOINT PIPE AND FITTINGS.
 - DEPTH OF COVER FOR 16" AND 20" PIPE IS 4' AND FOR 24" PIPE IS 5'.
- DESIGN ENGINEER CAN SUBMIT ALTERNATIVE DESIGN BASIS FOR RESTRAINED JOINT LENGTH CALCULATIONS FOR OWNER REVIEW.

	I	L1	- 1
1		2	3 4
			THRUST DIRECTION

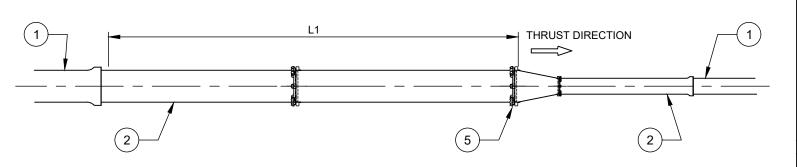
DEAD END, PLUG, OR CAP - L1 (FEET)							
DIAMETER (INCHES)	6"	8"	10"	12"	16"	20"	24"
DIP	169	219	264	309	308	373	361
POLYWRAPPED DIP OR PVC	242	312	377	441	440	532	516



FOR IN-LINE VALVE, PROVIDE RJ FOR A DISTANCE OF L1 ON EACH SIDE OF VALVE.

REDUCER - L1 (FEET)

DIP	LARGE END	SMALL END DIAMETER						
	DIAMETER	6"	8"	10"	12"	16"	20"	24"
	6"							
	8"	92						
	10"	162	88					
	12"	224	164	90				
	16"	259	225	183	131			
	20"	335	307	274	234	131		
	24"		317	294	266	197	108	
2		SMALL END DIAMETER						
<u>~</u>	LARGE END			SMALL	END DIA	METER		
o OR	LARGE END DIAMETER	6"	8"	SMALL 10"	END DIA 12"	METER 16"	20"	24"
DIP OR	_	6"	8"				20"	24"
ED DIP OR	DIAMETER 6" 8"	6" 131	8"				20"	24"
PPED DIP OR	DIAMETER 6" 8"		8"				20"	24"
RAPPED DIP OR PVC	DIAMETER 6" 8"	131					20"	24"
YWRAPPED DIP OR PVC	6" 8" 10"	131 231	126	10"			20"	24"
POLYWRAPPED DIP OR PVC	0" 8" 10" 12"	131 231 320	126 234	10"	12"		20"	24"



NO SCALE VERSION 1.0 DATE 04/2024 DETAIL

10.14.2