

NOTES:

- 1) THE FOLLOWING CONDITIONS WERE USED TO CALCULATE THE RESTRAINED LENGTHS SHOWN IN THE TABLE:

- LAYING CONDITION IS TYPE 3
- SOIL DESIGNATED AS SAND-SILT
- DEPTH IS 3 FT
- DESIGN PRESSURE (TEST) IS 150 PSI
- SAFETY FACTOR IS 1.5

FOR THE TEE BRANCH AND REDUCER, LENGTHS ARE BASED ON BRANCHING AND REDUCING FROM THE NEXT LARGER SIZE IN THE TABLE. TEE BRANCH LENGTH BASED ON RUN LENGTH TO FIRST JOINT OF 10 FT DEVIATIONS FROM THESE CONDITIONS MUST BE BASED ON THE ABOVE PARAMETERS.

- 2) THE FOLLOWING RESTRAINING GLANDS AND GASKETS ARE APPROVED PRODUCTS:

FOR DUCTILE IRON PIPE

- AMERICAN CAST IRON PIPE - FAST GRIP, FLEX-RING, FIELD FLEX-RING, OR LOCK-RING
- US PIPE - TR FLEX OR FIELD LOK 350 GASKETS
- GRIFFIN PIPE - SNAP-LOK RESTRAINED JOINT, OR TALON RJ GASKET
- EBAA - MEGALUG RESTRAINT GLAND
- FORD - SERIES 1400 RESTRAINT GLAND
- SIGMA - ONE-LOK SERIES SLD RESTRAINT GLAND
- MCWANE - SURE STOP 350 RESTRAINT GASKET

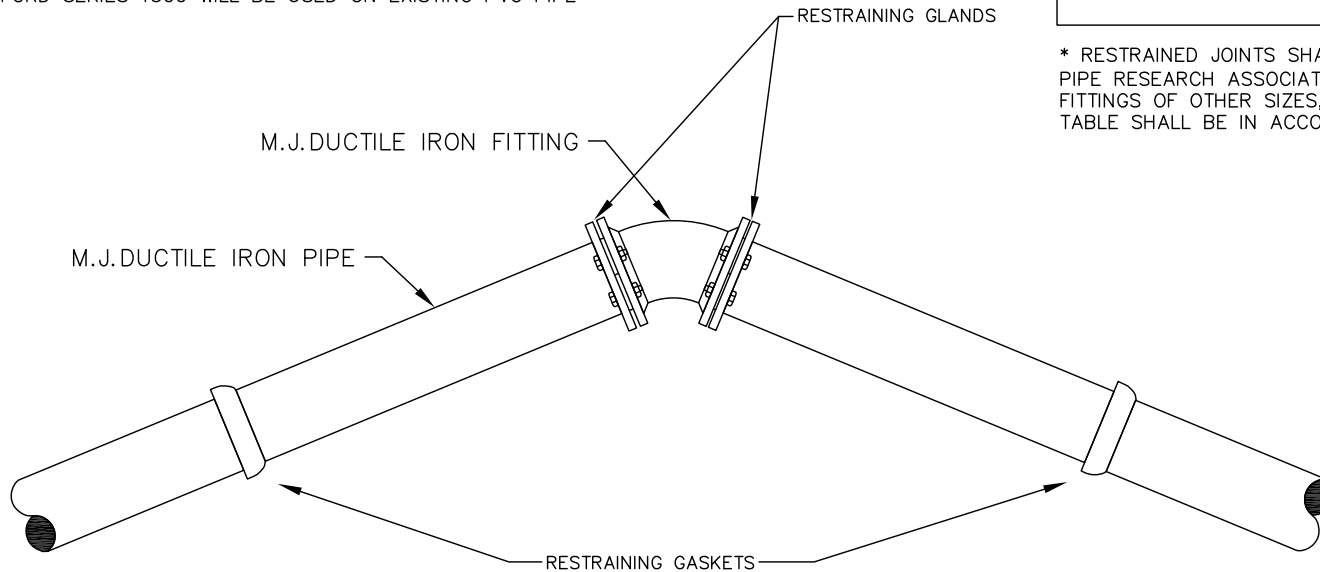
FOR PVC PIPE

- EBAA MEGALUG SERIES 2000PV
- FORD SERIES 1500 WILL BE USED ON EXISTING PVC PIPE

RESTRAINT JOINT TABLE
RESTRAIN ALL JOINTS WITHIN THESE LENGTHS
(IN LF EACH SIDE OF FITTING)

<u>SIZE</u>	<u>11-1/4'</u>	<u>22-1/2'</u>	<u>45'</u>	<u>90'</u>	<u>TEE</u>	<u>DEAD</u>	<u>REDUCER</u>
					<u>BRANCH</u>	<u>END</u>	
4"	2	5	10	24	38	61	44
6"	4	7	14	33	64	85	47
8"	5	9	18	44	91	111	45
10"	6	11	22	52	113	132	46
12"	6	12	25	60	133	155	84
16"	8	16	32	76	177	198	84
20"	9	18	38	91	218	238	83
24"	11	21	43	104	255	277	116

* RESTRAINED JOINTS SHALL BE IN ACCORDANCE WITH THE DUCTILE IRON PIPE RESEARCH ASSOCIATION (DIPRA) STANDARDS FOR ALL FITTINGS. FITTINGS OF OTHER SIZES, CHANGES IN CONDITIONS, ETC. NOT IN THIS TABLE SHALL BE IN ACCORDANCE WITH DIPRA STANDARDS.



GREER COMMISSION OF PUBLIC WORKS
RESTRAINED JOINT FITTING DETAIL

APPROVED BY:		DATE:	DRAWING NO.
SCALE:		REVISD:	
NTS			

FEBRUARY 2021

W-14