



PIPE DIA	A	B	C	REINFORCEMENT	L
48"	48"	8'-10"	8'-10"	# 4 BAR @ 8" EW EF WITH 6" HOOK EACH END	60"
36"	36"	7'-3"	7'-3"	# 4 BAR @ 8" EW EF WITH 6" HOOK EACH END	48"
30"	30"	6'-0"	6'-0"	# 4 BAR @ 12" EW EF WITH 6" HOOK EACH END	42"
24"	24"	4'-6"	4'-6"	# 4 BAR @ 12" EW EF WITH 6" HOOK EACH END	36"
20"	24"	4'-6"	4'-6"	# 4 BAR @ 12" EW EF WITH 6" HOOK EACH END	36"
18"	24"	4'-0"	4'-0"	# 4 BAR @ 12" EW EF WITH 6" HOOK EACH END	36"
15" OR SMALLER	24"	4'-0"	4'-0"	# 4 BAR @ 12" EW EF WITH 6" HOOK EACH END	36"

HDPE THRUST RESTRAINT

NOTES:

1. ALL WORK MUST BE INSPECTED BEFORE BACKFILL.
2. ALL CONCRETE THRUST RESTRAINTS SHALL BE ALLOWED TO CURE FOR 5 DAYS PRIOR TO PRESSURIZING WATER LINES.
3. HDPE THRUST RESTRAINT DETAILS SHOWN ON PLANS TAKE PRECEDENCE OVER THIS STANDARD.
4. CLASS 4000 MIN CONCRETE SHALL BE USED FOR THRUST RESTRAINT
5. PROPOSED FUSION PROCEDURES INCLUDING DATA LOGGER REPORT, TRAINING, OPERATOR QUALIFICATION REQUIREMENTS, AND JOINT REPAIR SHALL BE APPROVED BY SWDC.
6. FUSION REPORT SHALL BE PROVIDED TO SWDC FOR EACH BUTT JOINT AND ELECTROFUSION JOINT.
7. MATERIALS AND WORK FURNISHED SHALL COMPLY WITH LATEST EDITION OF AWWA C906.
8. ALL CUTS, SCRATCHES, OR GOUGES EXCEEDING 5% OF THE PIPE WALL THICKNESS SHALL BE REMOVED AND PIPELINE REJOINED.
9. PIPELINE BACKFILL SHALL BE IN COMPLIANCE WITH STANDARD DWGS NO. 2 AND 2A.
10. STEEL REINFORCEMENT SHALL BE GRADE 60 DEFORMED BAR.
11. THRUST RESTRAINT SHALL BE FORMED AND POURED PRIOR TO BACKFILL PLACEMENT.
12. FITTINGS SHALL BE SELECTED BASED ON PUBLISHED PRESSURE RATINGS (INCLUDING ALL APPLICABLE PRESSURE DERATING FACTORS) IN ACCORDANCE WITH THE MANUFACTURERS' DESIGN CRITERIA.
13. THE NUMBER OF ELECTROFUSION FLEX RESTRAINTS OR THE SIZE OF THE BUTT FUSION ANCHOR FLANGE SHALL BE BASED ON THE MANUFACTURERS' PUBLISHED VALUE.



**Bowen Collins
& Associates, Inc.**
CONSULTING ENGINEERS

**SUMMIT WATER
DISTRIBUTION COMPANY**

**HDPE STANDARD
REQUIREMENTS**

STD. DWG. NO.

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REV.	DATE	BY	DESCRIPTION
0	12/31/15	TSC	ORIGINAL DETAIL