



REINFORCING REQUIREMENTS

I.D. PIPE	REBAR SIZE	"X" BAR LENGTH	"X" BAR WEIGHT	"Y" BAR LENGTH	"Y" BAR WEIGHT	NO. REQUIRED
6"-36"	#5	2'-2"+ O.D. PIPE	1.043 LBS/FT	1'-1"	1.1 LBS. EACH	X-24 Y-12
≥48"	#6	3'-0"+ O.D. PIPE	1.502 LBS/FT	1'-3"	1.9 LBS. EACH	X-24 Y-12

THRUST COLLAR AND THRUST SCHEDULE

I.D. PIPE	"A"	"B"
6"-16"	1'-4"	1'-7"
20"-24"	1'-4"	1'-7"
30"-36"	1'-4"	1'-7"
≥48"	1'-8"	1'-9"

NOTES:

- SEE DETAIL R-6 FOR THRUST BLOCK LOCATIONS.
- CONCRETE SHALL BE 3,000 PSI AND TRANSIT MIXED.
- REINFORCING BARS SHALL BE DEFORMED AND TIED TOGETHER.
- TRENCH BOTTOM WIDTH IN VICINITY OF THRUST BLOCK INSTALLATION SHALL BE THE MINIMUM WIDTH AS SHOWN ON DETAIL R-3B.
- BACKFILL TAMPED IN 6" LIFTS, SEE DETAIL R-3B.
- MECHANICAL RESTRAINING COLLAR SHALL BE AS MANUFACTURED BY MEGA-LUG OR EQUAL.

**CITY OF RALEIGH**  
**STANDARD DETAIL**

REVISIONS	DATE: 01/18/2025	NOT TO SCALE
	THRUST BLOCKING DESIGN DATA FOR PVC REUSE MAINS	
	<b>R-4B</b>	