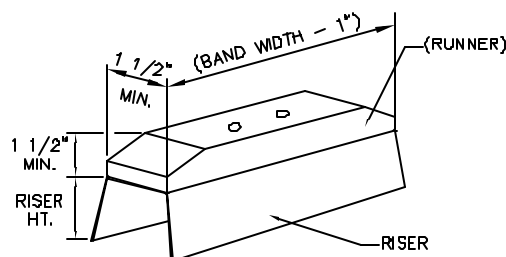


DELETE TUNNEL ACCESS MANHOLES WHEN
STANDARD DETAILS M/17.6, M/17.7 ARE USED.



1. BAND AROUND CARRIER PIPE
2. BELL
3. STEEL OR RCP CASING

4. RISER
5. RUNNER




RUNNER AND RISER DETAIL

CASING PIPE DIA.	20" STL.	22" STL.	24"	30"	36"	42"	48"	54"
	21" RCP	24" RCP						
CARRIER PIPE DIA.	8"	10"	12"	16"	20"	24"	30"	36"

NOTES: 1. SEE STD. M/17.7 FOR OTHER REQUIREMENTS.

2. THIS DETAIL IS ONLY USED FOR TUNNELS FOR WATER MAINS AND SEWER FORCE MAINS.

APPROVED: SEP 12 2002


Chief Engineer

$$\frac{M}{17.6}$$