



SIZE OF BRANCH PIPE	MINIMUM REQUIRED BEARING AREAS – in square feet									
	TYPICAL CLAY SOIL (1000 psf)					CLEAN GRANULAR SOIL (2500 psf)				
	11½°	22½°	45°	90°	Tee	11½°	22½°	45°	90°	Tee
102mm(4")					2.5					
150mm(6")	2.0	2.0	3.0	5.5	4.0	2.0	2.0	2.0	2.0	2.0
200mm(8")	2.0	2.5	5.0	9.5	6.5	2.0	2.0	2.0	4.0	3.0
305mm(12")	3.0	6.0	11.5	21.5	15.5	2.0	2.5	5.0	9.0	6.0
405mm(16")	5.0	10.5	20.5	38.0	27.0	2.0	4.0	8.0	15.0	11.0

NOTES:

1. ALL NUTS, BOLTS AND COUPLINGS SHALL BE KEPT CLEAR OF CONCRETE.
2. ALL BLOCKS MUST BEAR AGAINST UNDISTURBED EARTH.
3. REINFORCING STEEL, #13M@305mm(#4@12") O.C. REQUIRED FOR BLOCKS LARGER THAN 5 SQ.FT. OR AS DIRECTED BY THE ENGINEER.
4. CONCRETE FOR THRUST BLOCK SHALL BE CLASS B (5 SACKS)@176kg/sq.cm(2500psi) MIN.
5. SEE DETAIL WA-23 FOR PIPE COVERING REQUIREMENTS.

All units are in metric
Non-metric units are in brackets

CITY OF MENLO PARK STANDARD DETAILS



NO.	REVISIONS	DATE
1	NOTES/DIM.	3/28/08

THRUST BLOCKING
FOR TEES AND BENDS

APPROVED

[Signature]
SENIOR ENGINEER, R.C.E. No. 051203

DRAWN JEF

CHECKED NN/VP

DATE 3/31/08

SCALE NTS

SHEET 1 OF 1

STD. DETAIL No.: WA-5