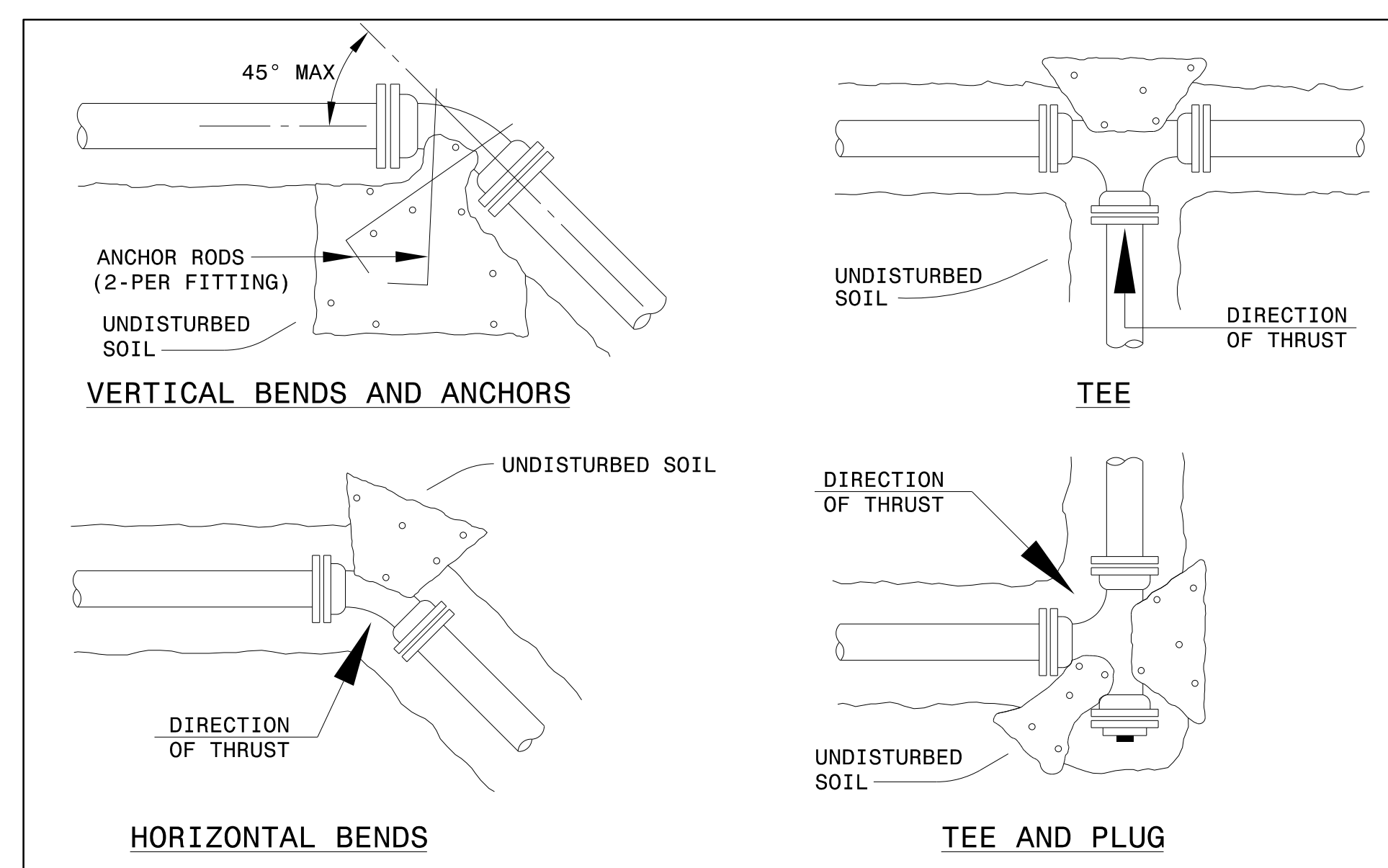
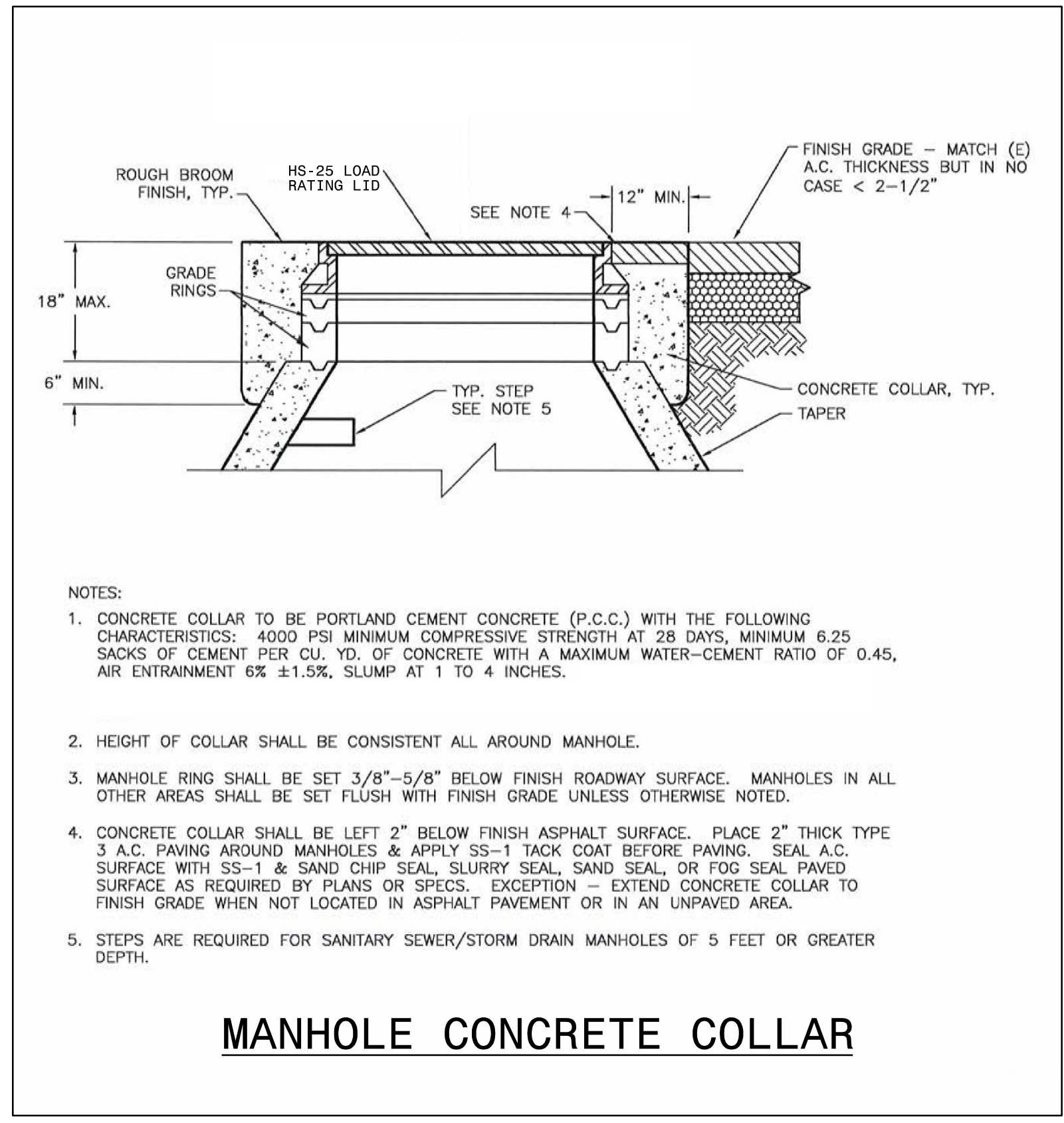


# PROJECT TYPICAL DETAILS



FITTING SIZE	CONCRETE THRUST BLOCKING SCHEDULE					CONCRETE SCHEDULE VERTICAL BENDS					ANCHOR ROD SIZE FOR VERTICAL BEND AND ANCHORS
	TEE/PLUG	90°	45°	22-1/2°	11-1/4°	90°	45°	22-1/2°	11-1/2°		
4"	1	2	1	1	1	1	1	1	1	1/2"	
6"	3	3	2	1	1	1	1	1	1	3/4"	
8"	4	6	3	2	1	2	2	1	1	7/8"	
10"	7	9	5	3	2	3	3	2	1		
12"	9	12	7	4	2	5	3	2	1	1-1/8"	
14"	12	17	9	5	3	6	4	3	2		
16"	16	22	12	6	3	8	6	3	2	1-3/8"	
18"	20	27	15	8	4	10	7	4	2		
20"	24	34	18	10	5	12	9	5	3		
24"	34	48	26	14	7	17	12	7	4		
30"	53	75	41	21	11	27	19	10	5		
36"	77	108	59	30	15	38	27	15	8		

- NOTES:**
- MINIMUM BEARING AREA (IN SQUARE FEET) AGAINST UNDISTURBED TRENCH WALL OF SAND.
  - AREAS SHOWN ARE FOR 150 PSI TEST PRESSURE. IF TEST PRESSURE IS OTHER THAN 150 PSI, ADJUST AREA OF REACTION BACKING IN DIRECT PROPORTION.
  - OTHER SOIL CONDITIONS : CEMENTED SAND OR HARDPAN - MULTIPLY ABOVE BY 0.5  
GRAVEL OR HARD DRY CLAY - MULTIPLY ABOVE BY 0.7  
SOFT CLAY - MULTIPLY ABOVE BY 2.0  
MUCK : SECURE ALL FITTINGS WITH APPROVED HARNESS OR TIE ROD CLAMPS, WITH CONCRETE REACTION BACKING THE SAME AS LISTED FOR SAND CONDITIONS.

## THRUST BLOCKING AND ANCHORING

