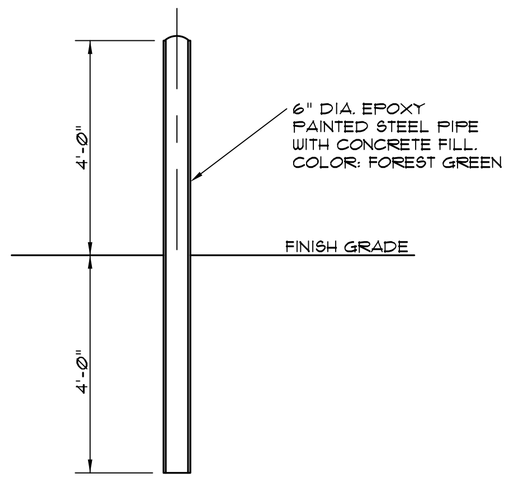
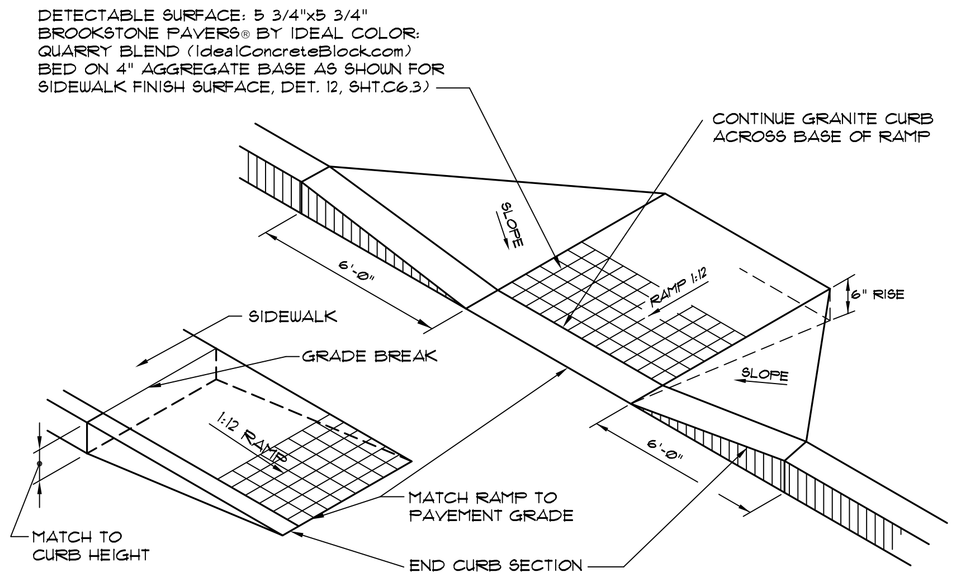


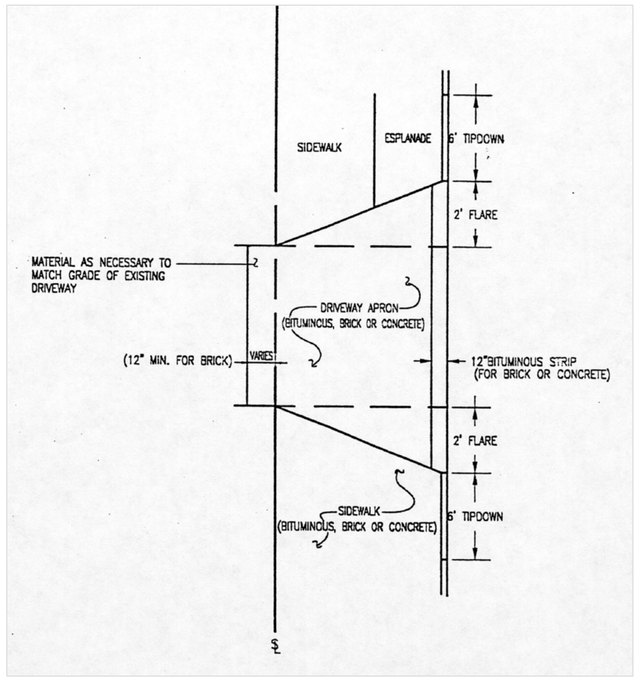
4 STEEL BOLLARD DETAIL

NOT TO SCALE



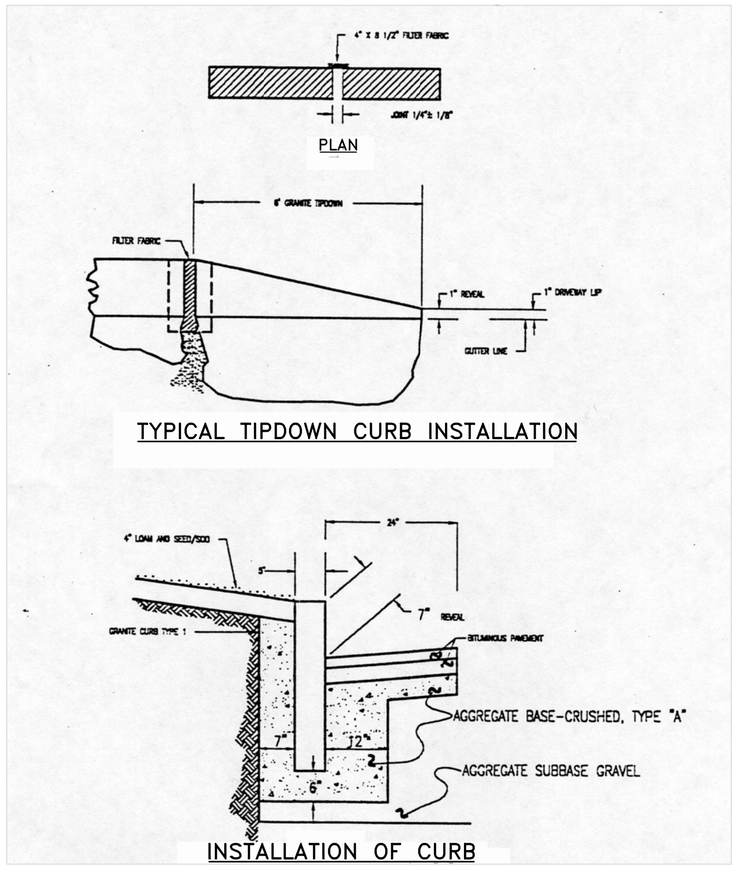
3 SIDEWALK RAMP DETAILS

NOT TO SCALE



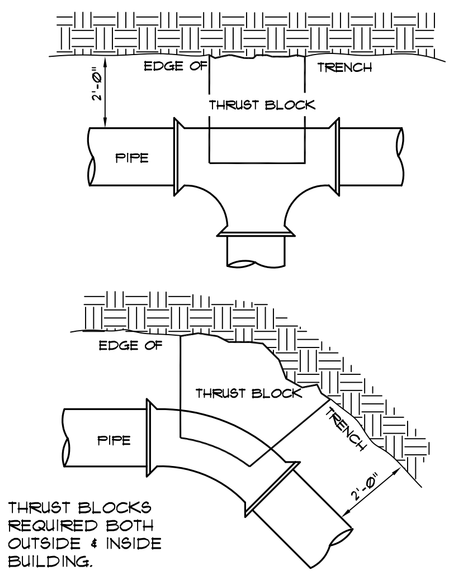
2 SIDEWALK & DRIVEWAY CONSTRUCTION

NOT TO SCALE



1 VERTICAL GRANITE CURB INSTALLATION

NOT TO SCALE



THRUST BLOCKS REQUIRED BOTH OUTSIDE & INSIDE BUILDING.

MINIMUM THRUST BLOCK BEARING AREA REQ'D AGAINST UNDISTURBED MATERIAL (sq. ft.)					
PIPE SIZE	90° BEND	TEE	PLUG	45° BEND	22 1/2° AND SMALLER
16"	28	22	20	15	8
12"	16	14	11	9	4
8"	9	6	5	4	2
6"	5	4	3	2	2
SIZE OF THRUST BLOCK MAY BE INCREASED BY THE ENGINEER TO MEET SOIL CONDITIONS FOUND DURING CONSTRUCTION					

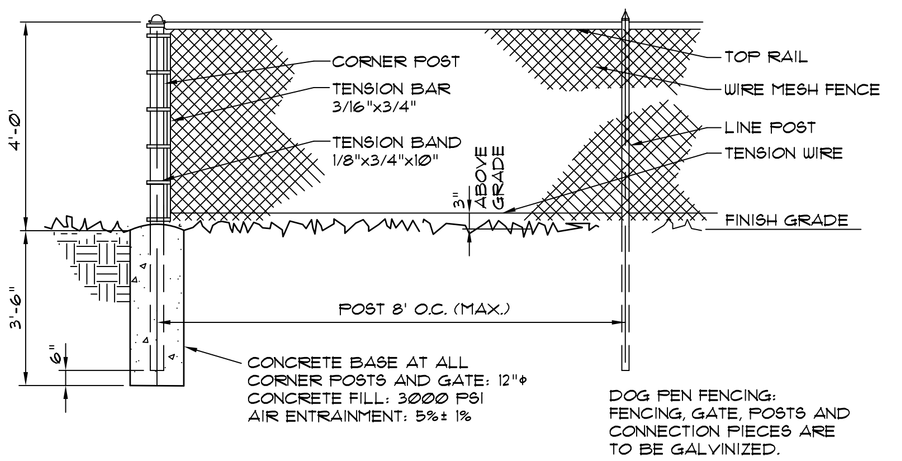
THRUST AT FITTINGS IN Lbs. AT 100 Lbs. PER SQUARE INCH WATER PRESSURE.

PIPE SIZE IN	90° ELBOW	45° ELBOW	VALVES, TEES AND DEAD ENDS
4	2,600	1,420	1,850
6	5,400	2,900	3,800
8	9,300	5,000	6,500
10	13,900	7,550	10,850
12	19,700	10,800	13,900

FOR PIPES SMALLER THAN 6" USE THRUST BLOCK FOR 6" PIPE.

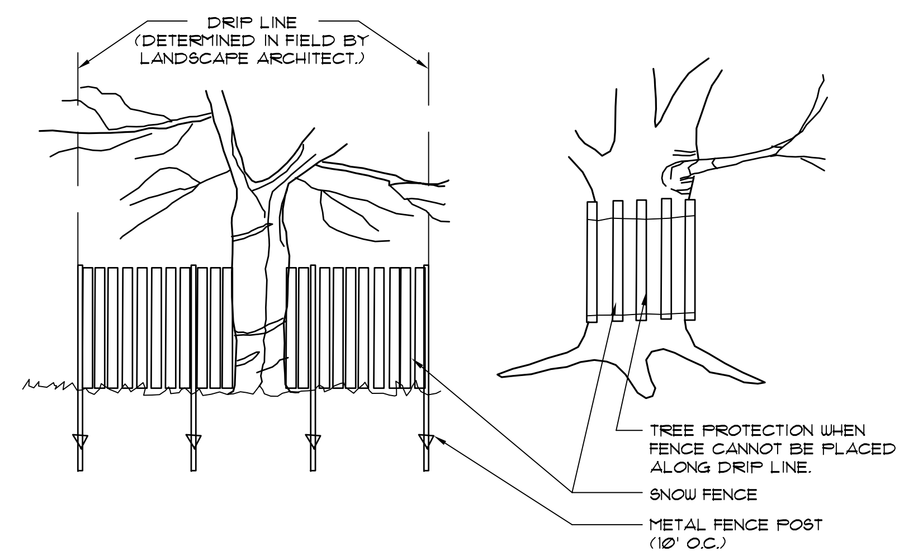
9 THRUST BLOCK DETAIL

NOT TO SCALE



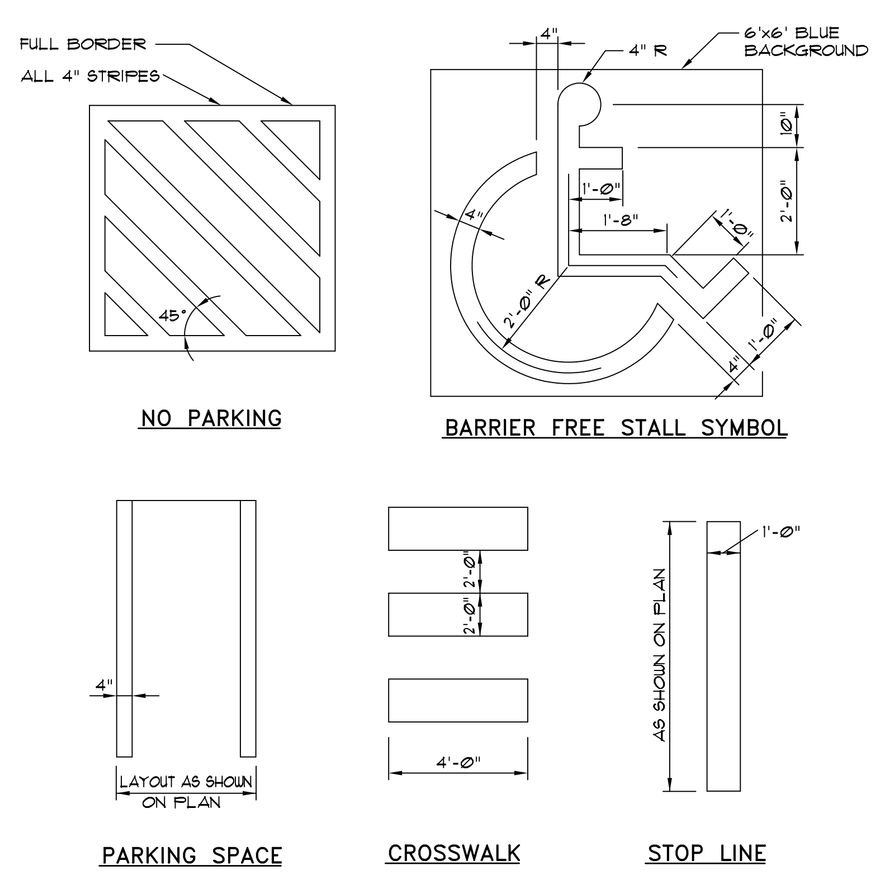
7 DOG PEN CHAINLINK FENCE DETAIL

NOT TO SCALE



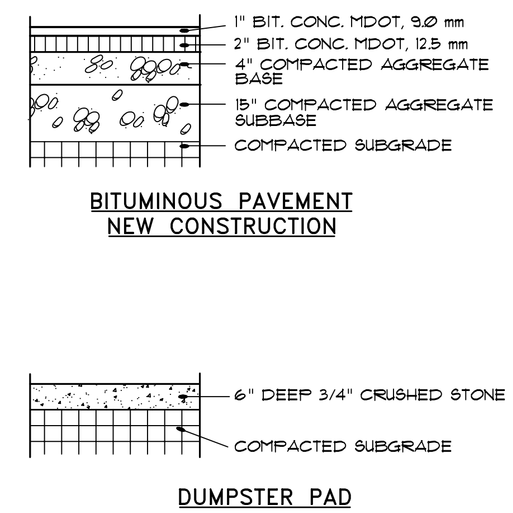
8 TREE PROTECTION FENCE

NOT TO SCALE



6 STRIPING DETAILS

NOT TO SCALE



NOTES:

1. ALL COURSE THICKNESS AFTER FINAL COMPACTION.
2. SEE LANDSCAPE DRAWINGS FOR BARKMULCH AND LAWN AREAS.

   SEE LANDSCAPE DRAWINGS FOR SIDEWALK PAVER SIZE, STYLE AND INSTALLATION.

5 SURFACING DETAILS

NOT TO SCALE

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