MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN OF GRATE NO. 1

NOTE: FOR OTHER GRATE DETAILS SEE SHEET IG-2.

PIPER SIZE   MIN. DEPTH   BARS/cm²   STEEL TYPE   PIPE OPENING   DEDUCTION

450 x 450 225     7.715 0.072 4   0.255
480 x 480 250     9.488 0.086 5   0.275
500 x 500 275     11.261 0.100 6   0.295
520 x 520 300     13.034 0.115 7   0.315
550 x 550 325     14.807 0.130 8   0.335
580 x 580 350     16.580 0.145 9   0.355
600 x 600 375     18.353 0.160 10 0.375
650 x 650 400     20.026 0.180 11 0.390
700 x 700 425     21.799 0.200 12 0.425
750 x 750 450     23.572 0.220 13 0.450
800 x 800 475     25.345 0.240 14 0.475
850 x 850 500     27.118 0.260 15 0.500
900 x 900 525     28.891 0.280 16 0.525
950 x 950 550     30.664 0.300 17 0.550
1000 x 1000 575    32.437 0.320 18 0.575
1050 x 1050 600    34.210 0.340 19 0.600
1100 x 1100 625    36.069 0.360 20 0.625
1150 x 1150 650    37.842 0.380 21 0.650
1200 x 1200 675    39.615 0.400 22 0.675

NOTE: FOR OTHER GRATE DETAILS SEE SHEET IG-2.

GENERAL NOTES:
1. QUANTITIES SHOWN WILL BE THE BASIS OF PAYMENT UNLESS AUTHORIZED MODIFICATIONS ARE MADE.
2. CONCRETE SHALL BE CLASS "B" CONCRETE AND 19.4 KG REINFORCING STEEL.
3. THE CONTRACTOR HAS THE OPTION TO PROVIDE GRATE NO. 1 OR GRATE NO. 2 AS SHOWN ON SHEET IG-2.
4. FRAME TO BE GRAY IRON CASTING, IAASHTO "B" LONG. MASS OF GRATE WILL INCREASE WITH ADDITIONAL HEIGHT. M ether E x 10

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

GUTTER INLET FOR TYPE 2 CURB STORM SEWER ALONG ROADWAY

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