NOTES

GRADES: Provide Grate "A" unless the plans specify Grate "B".
Cost the following text into the top of the grate:

"SUMP NO WASTE" and "DRAINS TO WATERWAY"

Print text in bold, capital letters at least 1/2" high. "DIAMETER" may be substituted with "STREAM", "RIVER", "LAKE", etc. Actual placement and logos may vary per manufacturer.

CASTINGS: Meet CMS 60 requirements. Provide a design essentially the same and equally as strong as the one shown.
Minimum weight:
20 lbs. for Grate "A"
30 lbs. for Grate "B"

Lighter weight grates that meet the requirements of CMS 51-M may also be provided. Provide grate openings and dimensions as shown here unless otherwise shown in the plans.

CASTING ANCHOR: Anchor is to be a 1½" radius 2' long bent around grate as shown and anchored into concrete casing.

PRECAST CONSTRUCTION: Permitted. Meet the concrete requirements of 706.13.
Provide sufficient reinforcing to permit shipping and placement without damage.

LOCATION AND ELEVATION: When given on the plans the location is at the center of the grate. The elevation is at the lowest point on the grate.

CONCRETE CASING: Casing for riser may be square, round or hexagonal in shape. Use 4000 psi compressive strength concrete.

RISER PIPE: Riser is 1½" in diameter regardless of size of sewer line.

TEE: Where sewer line is not continuous through inlet, plug the upstream opening with cast iron stopper and sealed joint.

RISER AND TEE: Meet the requirements of CMS 60 Type B Pipe Material or furnish precast as noted above.

PAYMENT: All materials and labor, including excavation and backfilling, are paid for under Item 611 - Inlet, Side Ditch.

120°

SIDE DITCH INLETS

CONSTRUCTED ON PIPE
LESS THAN 12" DIAMETER

CONSTRUCTED ON PIPE
12" DIAMETER OR OVER

SECTION A-A
SECTION B-B
SECTION C-C
SECTION D-D
SECTION E-E
SECTION F-F

PLAN

SECTION

SIDE DITCH INLETS