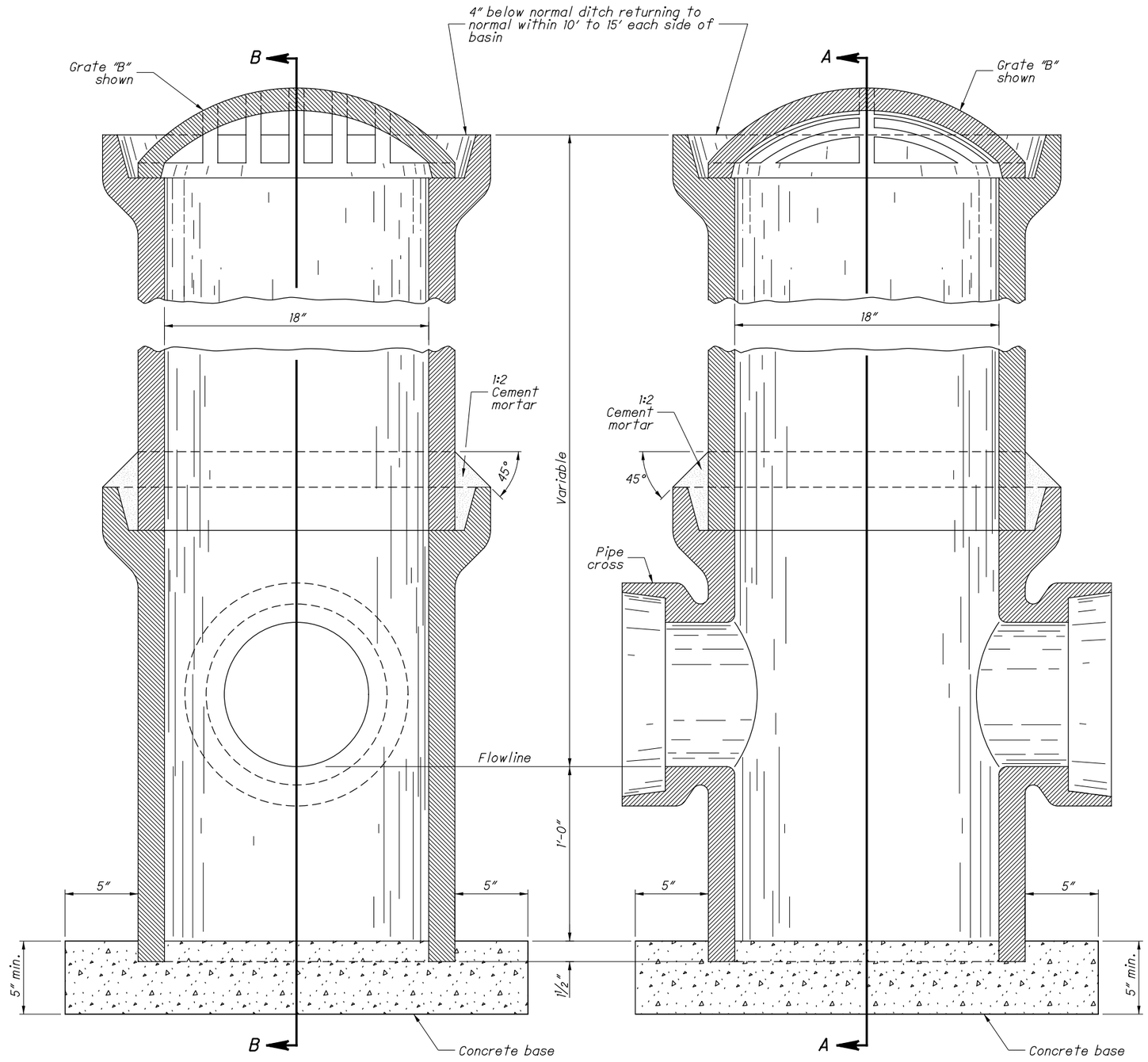


SECTION A-A

SECTION B-B

NOTES

GENERAL: *Exercise care to construct the catch basin to the proper grade and in a true vertical position. Do not cut holes inside of pipe.*

GRATES: *Provide Grate "A" unless the plans specify Grate "B".*

Cast the following text into the top of the grate:

"DUMP NO WASTE" *and* ***"DRAINS TO WATERWAY"***

Print text in bold, capital letters at least ½" high. "WATERWAY" may be substituted with "STREAM", "RIVER", "LAKE", etc. Actual placement and logo may vary per manufacturer.

CASTINGS: *Meet the requirements of CMS 611. Provide a design essentially the same and equally as strong as the one shown. Minimum weight is 70 lbs. for Grate "A" and 75 lbs. for Grate "B".*

Lighter weight grates that meet the requirements of CMS 711.14 may also be provided. Provide grate openings and dimensions as shown here unless otherwise shown in the plans.

PRECAST CONSTRUCTION: *Permitted. Meet the concrete requirements of CMS 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.*

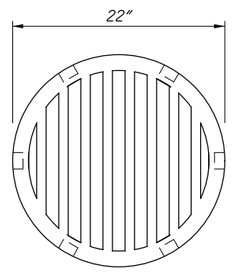
CONCRETE BASE: *Use 4000 psi compressive strength concrete for bases.*

CROSS: *Where the sewer line is not continuous through a catch basin, plug the upstream opening of the cross properly using a vitrified or concrete stopper and a sealed joint.*

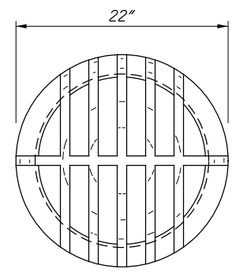
RISER AND CROSS: *Use standard strength vitrified clay pipe, standard strength non-reinforced concrete pipe having bell and spigot ends, or precast as noted above.*

RISER PIPE: *Diameter is 18" regardless of size of sewer pipe.*

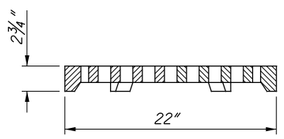
PAYMENT: *All materials and labor, including excavation and backfilling, are paid for under* ***Item 611 - Catch Basin, No. 7.***



PLAN



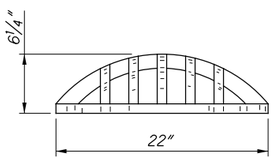
PLAN



ELEVATION

GRATE "A"

All edges to be rounded



ELEVATION

GRATE "B"

SIDE DITCH CATCH BASIN No. 7

STATE OF OHIO DEPARTMENT OF TRANSPORTATION HYDRAULIC ENGINEER
Jeffery E. Syar

REVISIONS
7-20-01
7-19-02
7-20-12
1-18-13
7-16-21

ROADWAY HYDRAULIC ENGINEER
M. Cozzoli

OFFICE OF HYDRAULICS ENGINEERING

STANDARD HYDRAULIC CONSTRUCTION DRAWING

SIDE DITCH CATCH BASIN No. 7

DRAWING CB-7