CATCH BASINS No. 2-3 & No. 2-4

CB No. 2-3 = 3'-0"
CB No. 2-4 = 4'-0"

OUTLET PIPE SIZE
2'-3"

Construction joint
2'-3"

Grate

Flow line to be 4" to 6" below normal ditch, returning to normal 0" to 0" each side of basin

Depth Variable

Clear Zone.

Provide inlets on both sides of the

When possible, top of inlet with the bottom

Bottom slab may be pre-

returning to normal 10' to

Flow line to be 4" to 6"

Maximum depth of CB No. 2-3

Provide steps where the depth exceeds

Meet the requirements of SCD MH-11.

CONCRETE: Use 4000 psi compressive strength for cast-in-place concrete. Meet the requirements for cast-in-place concrete and mark with the catch basin number.

REINFORCEMENT: Provide #4 bars spaced at 6" centers both vertically and horizontally with 2" spacing from inside wall face.

PRECAST BASE: If a precast base is used, it must be deep enough so that the top can be placed on the base. To provide the grade elevation specified in the plans.

LOCATION AND ELEVATION: When given on the plans, the location and the elevation are at the top center of the grate. When side openings are provided, the elevation is at the flow line of the side inlet.

MINIMUM DEPTH: The minimum depth of CB No. 2-3 and CB No. 2-4 is the outside diameter (O.D.) of the outlet pipe plus 1".

OPENINGS: Four pipe openings are the O.D. of the pipe being supplied plus 3" when fabricated or field cut. Fill any voids per CMS 611.

SIDE INLETS: Provide inlets on both sides of the No. 2-3 and No. 2-4 catch basin in eggs and on the upstream side only where the ditch has a continuous drain grade past the catch basin. Do not use catch basins with side inlets within the Clear Zone.

PAYMENT: All materials and labor, including excavation and backfill, are paid for under Item 611 - Catch Basin, No. 2-3 or Item 610 - Catch Basin No. 2-4.

CATCH BASIN OUTLET PIPE SIZE

2-3  36" to 42"
2-4  12" to 33"

NOTES
GENERAL: Catch basins 2-5 and 2-4 are not intended for traffic bearing applications.

GRADE: See details on SCD CB-111.

If necessary, bicycle safe grates will be specified in the plans. Furnish grate No. R-4859-C or East Jordan No. 5 Type M3 bicycle safe grate or approved equal.

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 1/2" high. "WATERWAY" may be substituted with "STREAM", "RIVER", "LAKE", etc. Actual placement and logo may vary per manufacturer.

WALLS: Construct brick or cast-in-place walls with a nominal 8" thickness. Provide precast walls at least 8" thick with sufficient reinforcing to permit shipping and handling without damage.

STEPS: Provide steps where the depth exceeds 8". Meet the requirements of SCD MH-11.

CONCRETE: Use 4000 psi compressive strength for cast-in-place concrete. Meet the requirements for precast concrete and mark with the catch basin number.

REINFORCEMENT: Provide #4 bars spaced at 6" centers both vertically and horizontally with 2" spacing from inside wall face.

PRECAST BASE: If a precast base is used, it must be deep enough so that the top can be placed on the base. To provide the grade elevation specified in the plans. Do not use brick layers to adjust the top elevation.

LOCATION AND ELEVATION: When given on the plans, the location and the elevation are at the top center of the grate. When side openings are provided, the elevation is at the flow line of the side inlet.

MINIMUM DEPTH: The minimum depth of CB No. 2-3 and CB No. 2-4 is the outside diameter (O.D.) of the outlet pipe plus 1".

OPENINGS: Four pipe openings are the O.D. of the pipe being supplied plus 3" when fabricated or field cut. Fill any voids per CMS 611.

SIDE INLETS: Provide inlets on both sides of the No. 2-3 and No. 2-4 catch basin in eggs and on the upstream side only where the ditch has a continuous drain grade past the catch basin. Do not use catch basins with side inlets within the Clear Zone.

PAYMENT: All materials and labor, including excavation and backfill, are paid for under Item 611 - Catch Basin, No. 2-3 or Item 610 - Catch Basin No. 2-4.

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