



Curb Inlet Measurement Sheet (CIMS) Instructions for Curb Inlet Storm Drains



PLAN YOUR WORK. WORK YOUR PLAN

Personal Protective Equipment

1. Steel toed shoes
2. Work gloves
3. Hi-viz vest
4. Traffic Cones
5. Knee pads
6. Face mask
7. Water to drink & wash hands

Equipment for Measurement

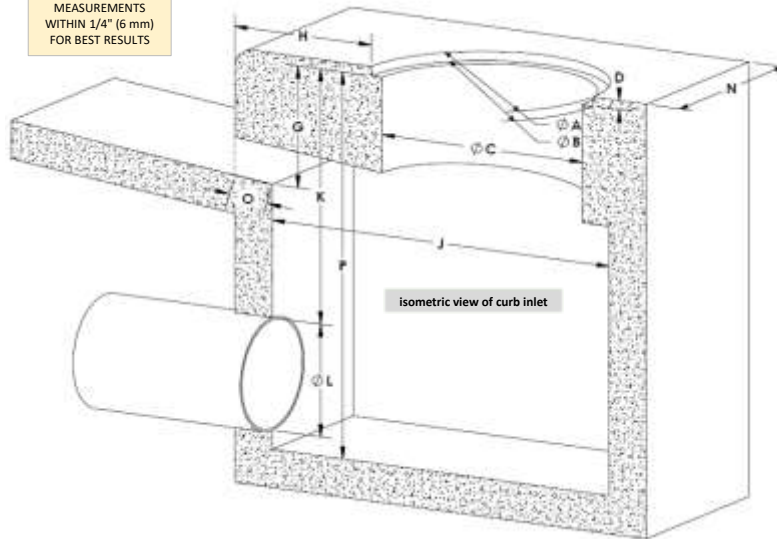
1. Measurement tape (metric preferred but imperial inches are OK)
2. Manhole Cover removal tool (a hay hook works most times)
3. Long rod or bar to measure total depth
4. Scraper & trash bag to clean frame shelf (hand trowel works well)
5. Camera (smart phone)
6. Measurement worksheet, clip board, pen
7. Map of grate locations

Time to Measure

Expect to take about 15 to 20 minutes to measure your first storm drain. Subsequent drains may only take less than 5 minutes each plus travel time.

ASK A BUDDY TO HELP YOU MEASURE AND RECORD THE INFORMATION BECAUSE IT'S SAFER, FASTER, AND MORE FUN

PLEASE PROVIDE MEASUREMENTS WITHIN 1/4" (6 mm) FOR BEST RESULTS



isometric view of curb inlet

Measurement Procedure

1. Safety first
2. Take a landmark picture with grate in view
3. Remove manhole cover
4. Clean the frame for accurate measurements
5. Obtain all necessary dimensions for quote or fulfillment
6. Use measurement sheet to record information
7. Take a front and isometric view picture with cover off
8. Replace manhole cover & remove equipment from area

Required Dimensions:

- C - Manhole Clear Opening Diameter ID (inside diameter of manhole)
- H - Manhole Offset (distance from curb face to manhole clear opening)
- P - Total Depth - (distance from grate shelf to bottom of catch basin)
- G - Gutter Depth (distance from sidewalk level to bottom of gutter at curb inlet opening)
- M - Length of Curb Inlet Opening (clear opening at street level)

Optional Dimensions:

- L - Outlet Pipe Diameter

Obstructions - Is the catch basin free of obstructions directly below the covering - within the top 24 inches?

If YES it is free of obstructions, then no action necessary

If NO, then take the following actions & describe them in the Notes section:

1. Measure the Horizontal distance that the obstruction protrudes past the manhole clear opening
2. Measure the Vertical distance from the grate shelf to the top of the obstruction. Take a picture

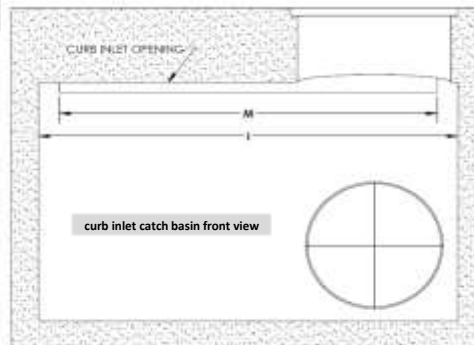


landmark

HELPFUL HINT: TAKE A PICTURE WITH A MEASUREMENT TAPE ACROSS THE OPEN STORM DRAIN. THIS HELPS PROVIDE SCALE



top view



curb inlet catch basin front view



isometric



landmark

Good Input = Good Output

Our Gutter Bins can fit a lot of different types of storm drain configurations, but there always seems that we find a unique one every now and then. We kindly ask that you take your time and retrieve the most accurate information possible about your stormwater network. Also, if you discover a better way for us to communicate with you, or improve our product, then please let us know.

Three Pictures

- ☐ **Top view** (manhole cover off): close up with entire frame in view
- ☐ **Isometric** (manhole cover off): an angled view of the catch basin
- ☐ **Landmark** (manhole cover on) with recognizable object in background

Send us the info:

send scanned or electronic version to sales@frogcreekpartners.com

We recommend saving files something like this:
State_City_Organization_Catch Basin ID,

Example: WY_Casper_FrogCreekPartners_FrontShop_1

Special Notes:

- For best filtering results the outlet pipe invert depth ($K + L - G$) should be greater than 20" so water runs through the water filter
- An obstruction present within the top 10" of a catch basin may require filter customization or prevent installation
- We recommend that the catch basins be cleaned prior to prior to measurement, or at least prior to Gutter Bin install.

Please email completed forms to Frog Creek Partners at sales@frogcreekpartners.com, or send to 800 W. Yellowstone Hwy, Casper, WY 82601 USA www.frogcreekpartners.com
Phone: (307) 797-7720

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