

enter



the
new
age of
manufacturing

Prebenched

Maintenance Holes

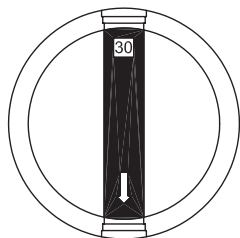
Prebenched Maintenance Holes

Ontario Concrete Products' commitment to leading edge technology takes precast maintenance hole production to the next level. Our new process allows for a true monolithic prebenched base using a single pour of concrete without leaving a cold joint between the MH wall and the benching.

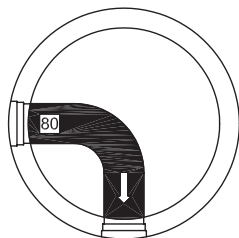
These prebenched bases are only available in 1200 mm diameter maintenance holes with uniform channel size of 200 mm or 250 mm.

Standardized MH Design

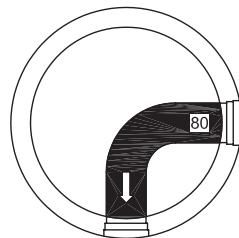
- > 10 common configurations are available with standard invert drops across the MH based on calculated energy losses due to friction, geometry, and changes in velocity.
- > All prebenching is complete to the obvert of the pipe based on research that indicates a better service performance over benching to the springline.



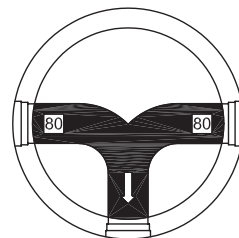
TYPE 1
STRAIGHT



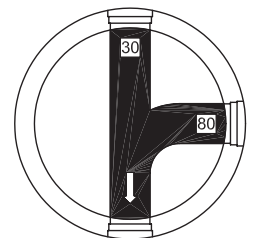
TYPE 2
90° LEFT



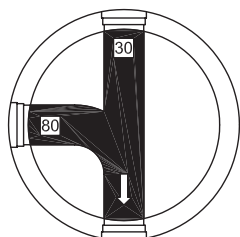
TYPE 3
90° RIGHT



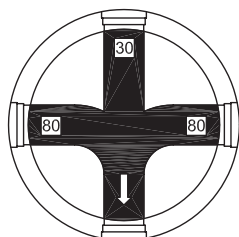
TYPE 4
OUTLET AT TEE



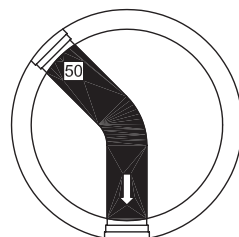
TYPE 5
TEE AT RIGHT



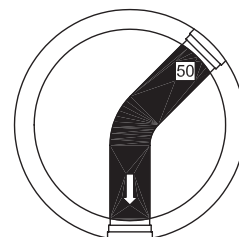
TYPE 6
TEE AT LEFT



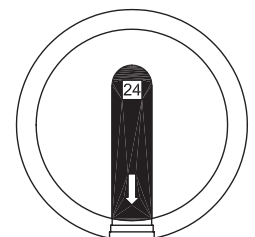
TYPE 7
4-WAY



TYPE 8
45° LEFT



TYPE 9
45° RIGHT



TYPE 10
DEAD END

10 AVAILABLE CONFIGURATIONS
(INVERT DROPS INDICATED IN MILLIMETRES)

Product Features & Benefits

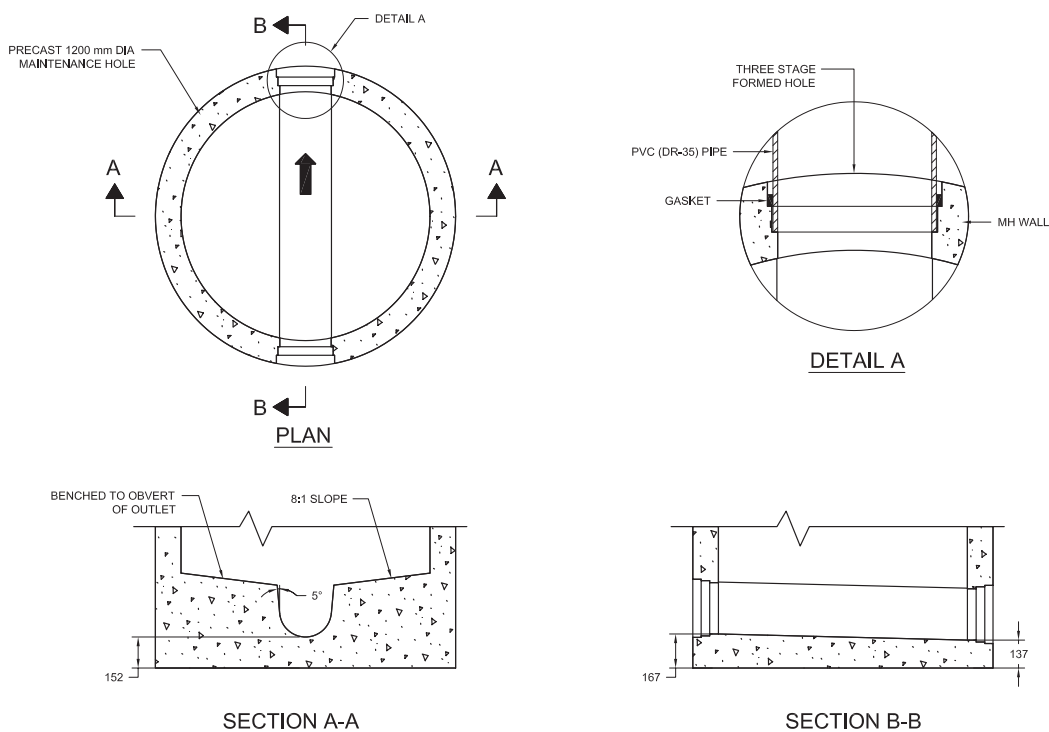
Consider the following:

Quality Assurance:

- > Improved product quality and workmanship resulting from consistency, climate and material control, and inspection.
- > Accurate and consistent drops across the MH minimizing the chance of a surcharge in the sewer system, which can lead to sewage backups or overflows.

Improved hydraulics and flow properties:

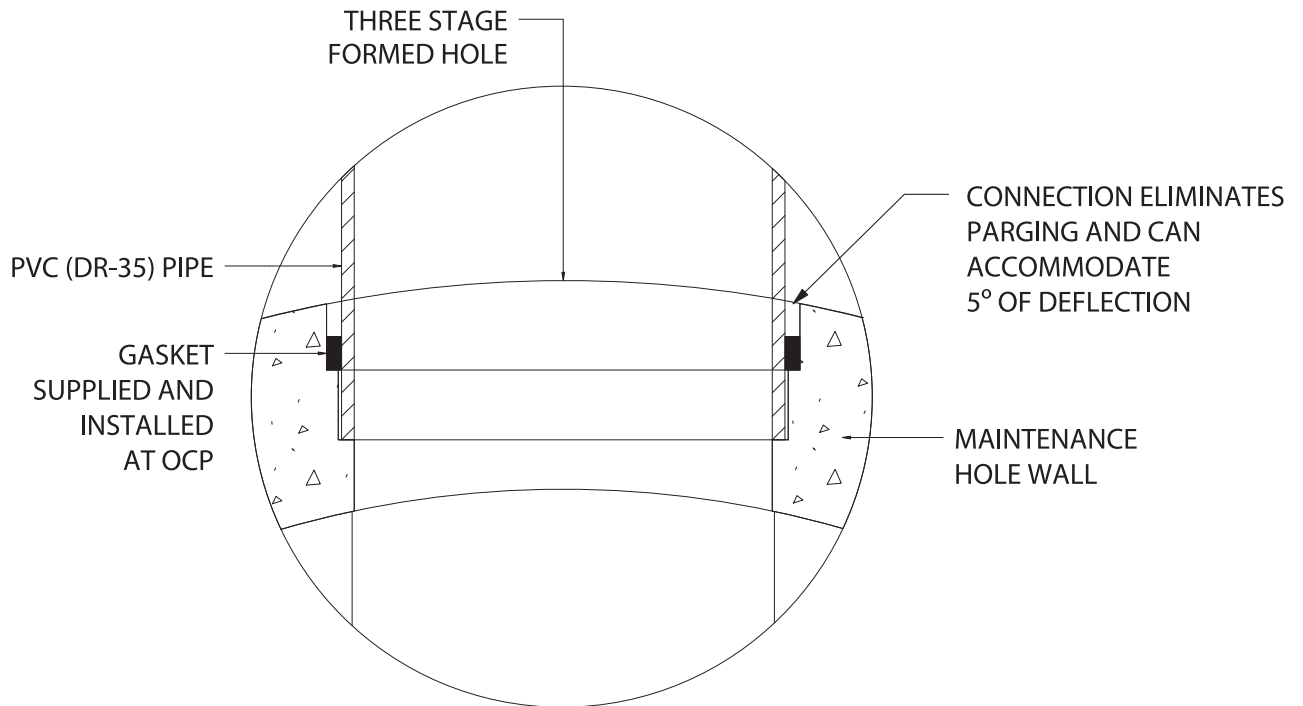
- > The channel acts as a smooth continuation of the sewer pipe preserving the flow velocity and minimizes energy losses.
- > Reduce losses due to entrance (expansion) and exiting (contraction) forces.
- > Reduce sewer gas release by limiting flow disturbances.



Long-term benefits:

- > Meet future production demands with a diminishing skilled workforce in the construction industry.
- > Meet health and safety regulations regarding confined space entry.
- > Reduce infrastructure maintenance costs and ensure the sustainability of our sewer systems.

Connection Details



PIPE TO MAINTENANCE HOLE CONNECTION DETAIL



ONTARIO CONCRETE PRODUCTS,

Canada's newest concrete pipe and maintenance hole producer introduces the world's most advanced robotics and automation to the precast concrete industry.

7500 m² of innovation.

Unique in all of North America.

The future has arrived.

Talk to a representative from Ontario Concrete Products.
Contact us @ 1-800-668-PIPE or sales@concastpipe.com

Oakville, Ontario • phone: 905-825-2691 • fax: 905-123-4567
www.ontarioconcreteproducts.com