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Alternative **M**anhole **P**latform **S**ystem



# Alternative Manhole Platform System - Introduction



It is common knowledge within the construction industry that almost every new drainage system designed today is done so with Surface Water Management high on the design agenda.

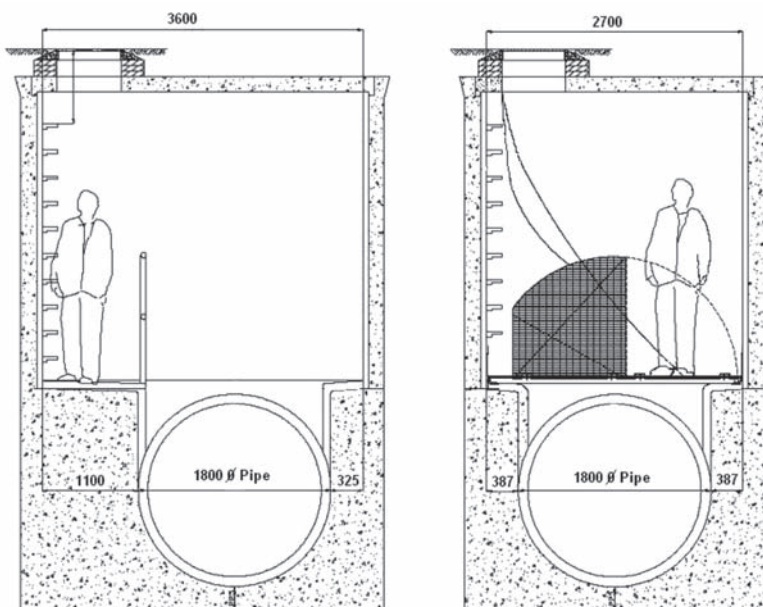
Designers are now experiencing major problems when it comes to positioning large diameter sewers and even larger diameter manholes into standard road widths; along with the fact that almost all new developments are designed using a total separate drainage system.



The positioning of manholes side by side at every change of direction, pipe size etc, is very demanding in itself, added to this, the designer has a further consideration to make and a very important one at that; to improve health & safety wherever possible. This is a primary consideration in any construction activity and in particular, is fundamental to the CDM regulations.

Designers wishing to overcome or alleviate these typical problems should simply take a look at what the Alternative Manhole Platform System (AMPS) can offer.....**Cost Effective Solutions to all of the above!**

## Manhole Comparison



The advantages when using the AMPS are:

- Improved Health & Safety for operatives.
- No direct access into the sewer pipe.
- Reduces M/H diameters for a given pipe size.
- Removes the need for mass concrete benching.
- Removes the need for stainless steel hand railing.
- Offers greater maneuverability within the chamber.
- Increased speed of construction.
- Affords the ability to stop debris entering the sewer pipe, thus preventing potential blockages.
- It's cost effective.

## Alternative Manhole Platform System - Health & Safety

- Huge reductions with man access situations - Entering a confined space should be a last resort and therefore, by incorporating AMPS more routine maintenance operations can be carried out from the cover level without the need to actually enter a manhole, i.e. for rodding, jetting, CCTV etc.
- Entering a manhole - In the event of a fall whilst entering a manhole, the operative would land on a solid concrete base or even the hand railing itself, possibly causing serious injury. In the event of a fall whilst entering a manhole fitted with the AMPS, the operative would land on a flat flexible surface thus dramatically reducing the risk of any serious injury occurring. Furthermore, should an emergency rescue situation arise, these situations will be greatly enhanced by having a stable platform to work from.
- A safer system of work - Whilst carrying out everyday duties from within a manhole chamber, operative's often work upon a wet slippery surface namely the landing area or benching however; within a manhole fitted with the AMPS operative's would now be working upon a flat non-slip surface thus greatly reducing the risk of slips, trips and falls occurring.

## Alternative Manhole Platform System - Operational Details

Non-man access procedure illustrated below.

When personnel are required to carry out their duties i.e. jetting, CCTV etc, where the manhole is fitted with an AMPS, the standard procedure shall be:

- Lift manhole cover using appropriate lifting equipment.
- Without detaching the lifting chain from its anchored position, grasp the chain, stand upright taking out the slack then lift the respective hatch accordingly. The hatch will remain in the open position. (See photo's below.)
- Normal duties i.e. jetting, CCTV etc may now commence.
- On completing the normal duties, grasp the lifting chain and lower the hatch back into its closed position.
- Replace manhole cover.



Once lifted the hatch remains open whilst non-man access operations are carried out.



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