

# MINI PIT™

## MAINTENANCE SHAFT – POO PIT 600mm RISER



- Australian designed and manufactured maintenance shaft for use in sewer, stormwater or subsoil drainage.
- Manufactured to suit PVC, PE, Polypropylene or Clay pipelines.
- The Mini Pit™ is made from the same PE material as the standard Poo Pit™ with the additional access capability of a 600mm Riser.
- The Mini Pit™ achieves any angle between 45 and 315 degrees on 150mm pipelines and between 65 and 295 degrees on 225mm pipelines.
- Grade and invert drops can be achieved without the need for additional fittings such as bends.
- Mini Pits can be supplied with multiple inlets in the base or riser and can also be used as a terminal maintenance shaft.
- The Mini Pit™ is made from the same PE material as the standard Poo Pit™ and is capable of handling the most corrosive internal and external environments with no requirement for expensive lining systems.
- Supplied to site fully welded with all connections pre made reducing installation handling and transport costs.
- Each Mini Pit™ is 100% watertight, with all products individually tested before delivery to site.

### STANDARDS

WSA 137 – 2018 Maintenance Shafts and Maintenance Chambers for Sewerage.

### QUALITY

ISO 9001 – 2015

# INSTALLATION



## STEP 1

### LIFTING / UNLOADING REQUIREMENTS

Unload the MINIPIT™ with lifting slings using choking method as pictured or fork attachment if palletized. Care should be taken with pipe connections during unloading, lifting and storage.



## STEP 2

### INSPECTION OF THE MINI PIT™

Unload the MINIPIT™ with lifting slings using choking method as pictured or fork attachment if palletized. Care should be taken with pipe connections during unloading, lifting and storage..



## STEP 3

### PREPARING THE SITE

The Installation bed must be prepared in accordance with the regulating authorities Backfill Design Process and Requirements. Site ground conditions will need to be taken into account. As a minimum a 100mm layer of Class 2 (less than 20mm) granular fill should be positioned under the base.



## STEP 4

### DOWNSTREAM OUTLET CONNECTION

Lift the MINIPIT™ with lifting slings using choking method as pictured. Lift into position and connect downstream pipe with desired jointing method.

## STEP 5

### LEVEL

Set the MINIPIT™ to the required level using a spirit level on the top and sides of the product.



# INSTALLATION



## STEP 6

### SUPPORT

Pack or tamp the surrounding sides of the MINIPIT™ base clear of upstream connections to support the product..

## STEP 7

### UPSTREAM INLET(S) CONNECTION

Connect the upstream inlet connection(s) with the desired jointing method



## STEP 8

### BACKFILL AND COMPACT

Carefully backfill and compact in accordance with the Local Authority Backfill Design Process and Requirements. As a minimum 150mm of Class 4 (less than 40mm) granular fill surrounding the MINIPIT™



## STEP 9

### CONCRETE SPREADER

Trim riser to desired height allowing for cover depth and prepare level Class 4 (less than 40mm) bedding. Care must be taken to not over compact above the tapered reducer before spreader is positioned. Install the concrete spreader over 600mm manhole riser with the concrete at least 25mm higher than the riser. Use Sikaflex elastic joint sealant or approved equivalent to seal between PE riser and inside of concrete spreader. Making sure to grind or rough PE surface for sealant to bond.



## STEP 10

### INSTALL ACCESS COVER

Approved trafficable / nontrafficable cover to be installed on concrete spreader, use butyl primer and mastic or approved equivalent to seal between concrete cover and concrete spreader in accordance with local requirements



# FEATURES & BENEFITS



- 600mm Shaft Access Riser
- Corrosion resistant PE material
- No internal or external coatings required
- Accommodates inlets at any grade and angle
- No horizontal/vertical alignment adjusting bends needed
- Connections possible in base and or riser
- Accommodates pipes of all material types
- Suitable for welded connection to Polyethylene pipes
- Made to suit either solvent weld or rubber ring PVC
- Multiple pipe material connections possible on the same pit
- All Mini Pits prefabricated prior to delivery
- Fast installation for retrofit and replacement projects
- 100% watertight. All factory welded prior to delivery
- Proven operational technology to depths of up to 5m
- Lightweight and user friendly
- Reduced transport and handling costs
- Improved efficiencies providing cost benefits to the end user
- UV resistant, state of the art Polyethylene technology
- Easy connection of new lines
- No onsite welding or spark testing required