

5.4.1 ASSEMBLY AND INSTALLATION OF THE EZIPIT® 1000 MH BASE, CORRUGATED RISER AND CONE

- 01** Level the bottom of the trench with a suitable bedding material and ensure a minimum thickness of 100mm. **(Note: the trench level for the base is lower than the level for the pipe).**



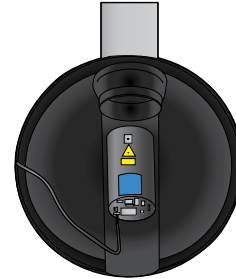
- 02** Position the base on the bedding material with a spirit level. Apply Iplex pipe seal lubricant to the pipe spigot and base socket seal for ease of assembly. Connect the base to the pipe by pushing it onto the pipe spigot end.



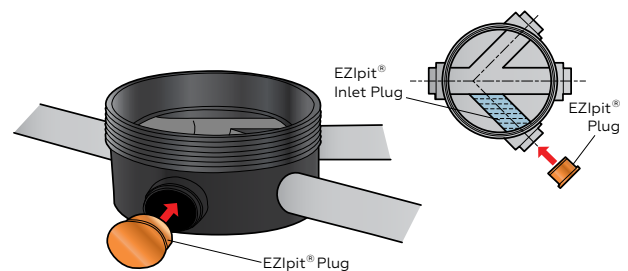
- 03** Adjust the pipes to the required position. The adjustable pipe connector enables an angular deflection of 7.5° from the centre line in all directions.



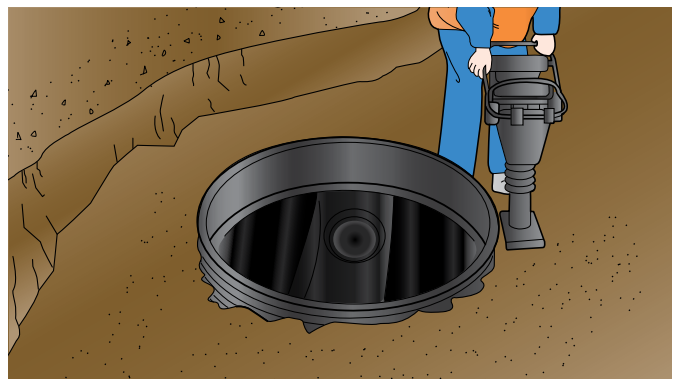
- 04** Place the laser inside the base to check the level.



- 05** For Type 'X' or 'Y' bases, where a side inlet is not used, inlet plugs have to be mounted in the flow channel. Externally the inlet swivel socket shall be closed and sealed with an EZIpit® plug or short PVC DWV pipe with a cap.



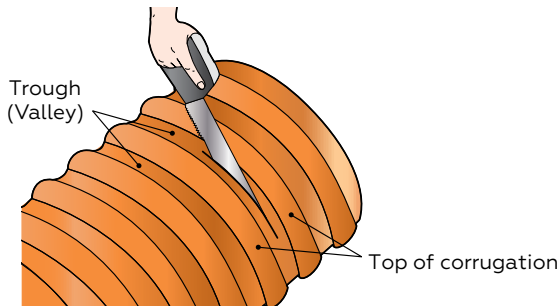
- 06** To restrain the base during installation, place embedment soil around the base and compact in layers (maximum 300mm) to approximately 200mm above the PVC pipe to base joints. Continue placing layers of embedment (maximum 300mm thick) and compact each layer carefully.



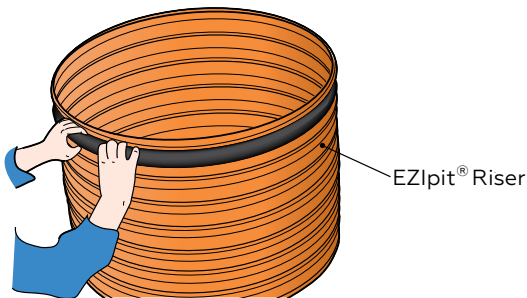
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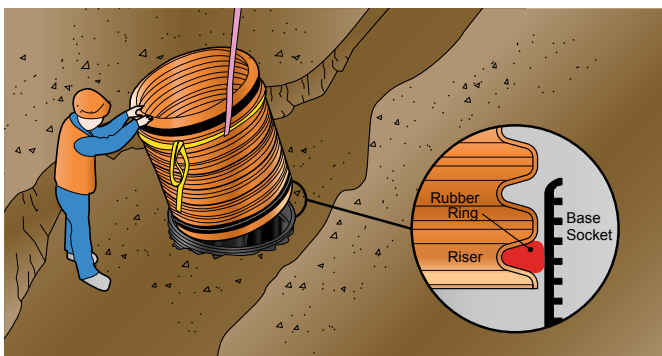
07 Use the corrugated riser to build up the maintenance hole. Cut the riser to the required length (refer to 'field height adjustment' Sections 5.5 and 5.6) with a circular saw or handsaw. Cut the riser at the top of the corrugation or in the valley. Remove swarf.



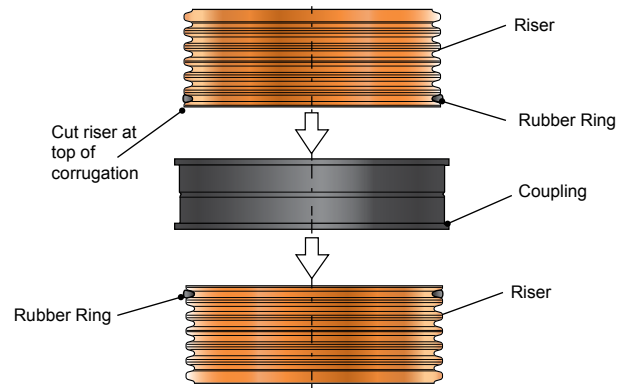
08 Assemble the sealing rings in the 1st valley at each end of the riser. Ensure the sealing ring is sitting correctly in the valley of the corrugation.



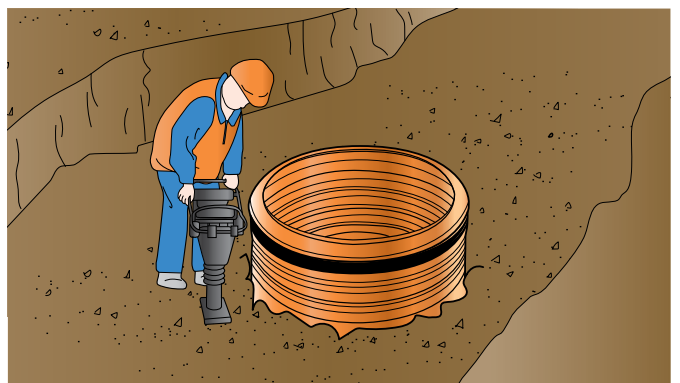
09 Apply Iplex pipe seal lubricant on the inside of the base socket and push the riser down (with the sealing ring) into the base socket. Ensure the riser is kept perpendicular to the socket.



10 If the riser height needs to be raised use a double socket with two additional rings. *For this type of joint the riser should be cut on top of the corrugation on both sides.*

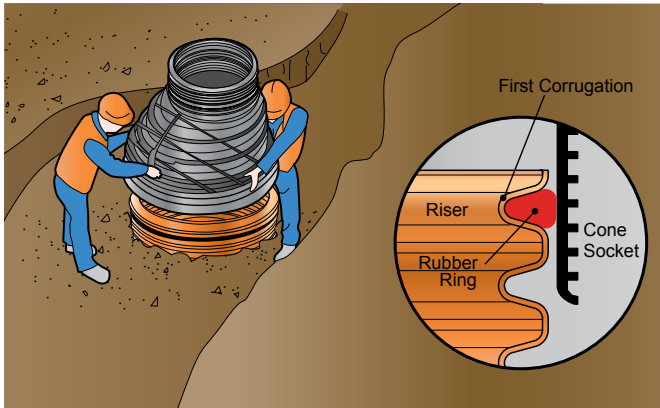


11 Backfill the trench around the maintenance hole riser with embedment material in layers of 300mm (maximum) and compact each layer to the specified requirements. Ensure the embedment provides even coverage around the riser. Large and sharp stones or rocks should be removed from the surrounding area to avoid damage to the maintenance hole.

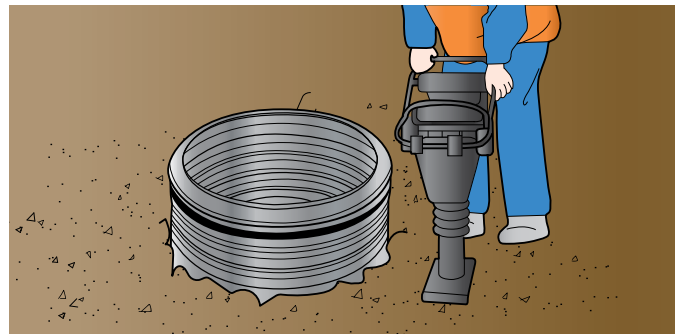


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12 For the cone to riser assembly, a sealing ring shall be placed in the first corrugation at the top of the riser. Apply Iplex lubricant on the seal and inside the cone socket and push down.



13 Backfill the trench and around the cone with embedment material. Ensure even coverage around the cone up to the surface. The embedment should be compacted in layers not exceeding 300mm. Large and sharp stones should be removed from the surrounding area to avoid damage to the cone.



5.4.2 EZIPIT® 1000 MH COVER SELECTION AND ASSEMBLY (GENERAL)

CLASS B COVER ARRANGEMENTS (NON TRAFFICABLE CONDITIONS)

- Private properties
- Domestic driveways
- Footpaths
- Nature strips

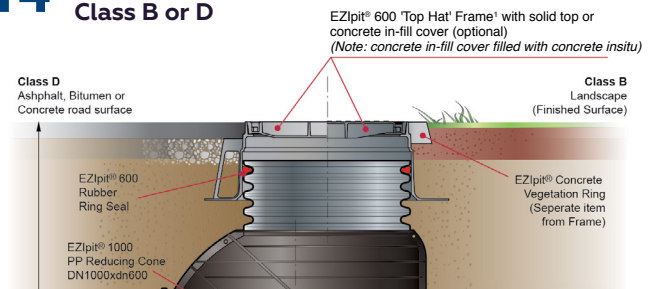
CLASS D COVER ARRANGEMENTS (TRAFFICABLE CONDITIONS)

- Roadways
- Carparks
- Commercial / industrial driveways
- Parklands, reserves
- School grounds

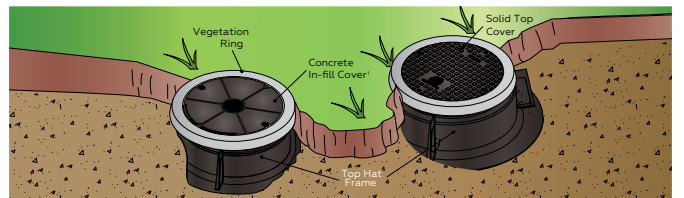
After assembling the EZIpit® 1000 Base, Riser and Cone (Section 5.4.1 Steps **01** to **13**). Select the appropriate cover as specified and install as follows.

OPTIONS 1 AND 2:

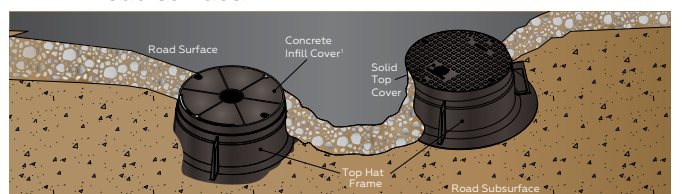
14 EZIpit® 1000 MH with GATIC® 'Top Hat' cover Class B or D



15 Class B GATIC® 'Top Hat' Cover with Vegetation Ring
Finish off with soil as specified, to the finished surface level.



16 Class D GATIC® 'Top Hat' Cover
Finish off with a top layer, as specified to the road surface.



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5.5 EZIPIT® 1000 MH FIELD HEIGHT ADJUSTMENT

The length of the corrugated riser 'L' can be calculated using the following formula and critical dimensions.

OPTIONAL COVERS 1 AND 2:

EZIpit® 1000 MH with GATIC® 'Top hat' cover arrangement Class B or D

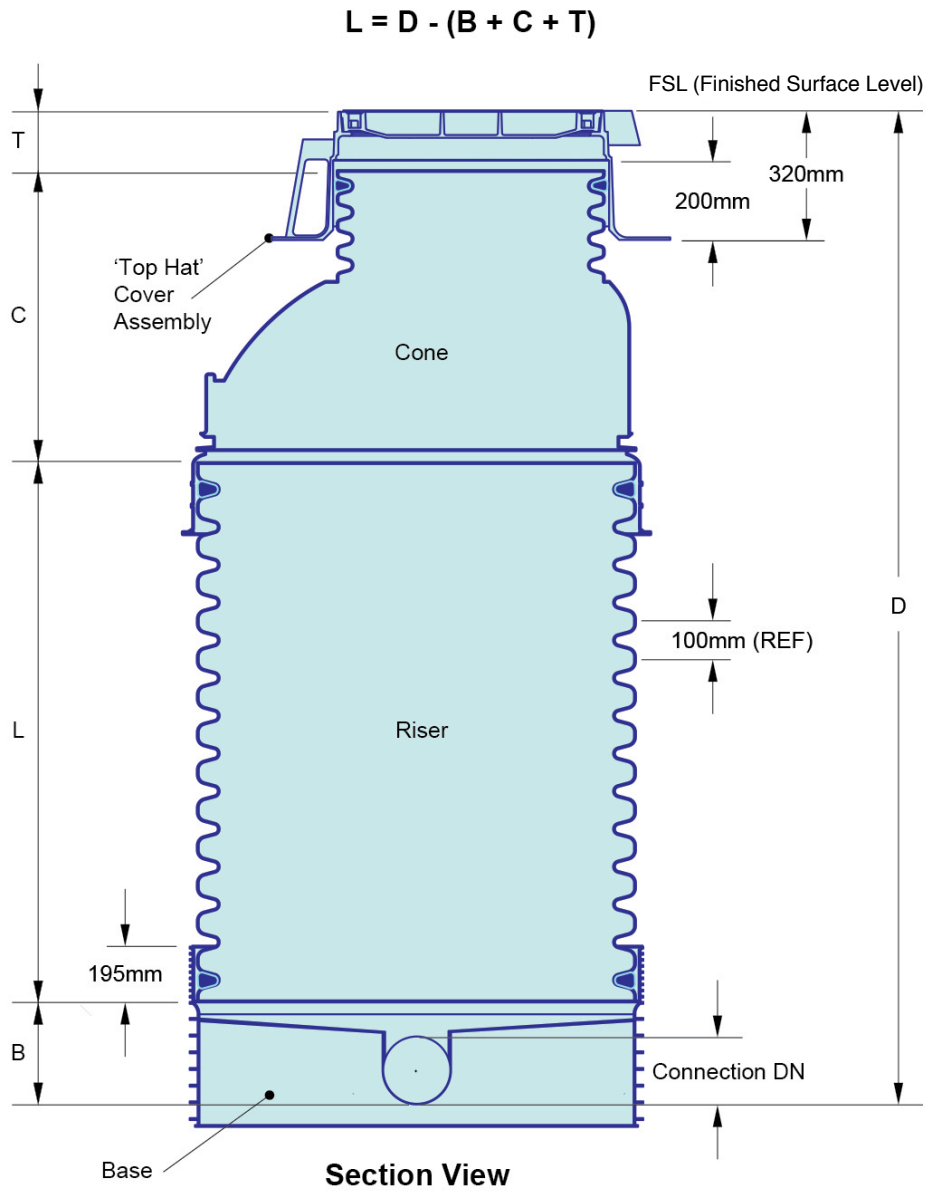


Figure 60: EZIpit® 1000 MH Assembly

TABLE 9

Connection (DN)	Base Height B (mm)	Cone Height C (mm)	Cover Height T (mm)
DN150	336		
DN225	447	710	120
DN300			
DN375	663		

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5.6 EZIPIT® 1000 MH ASSEMBLY WITH RISER JUNCTION (BRANCH CONNECTION)

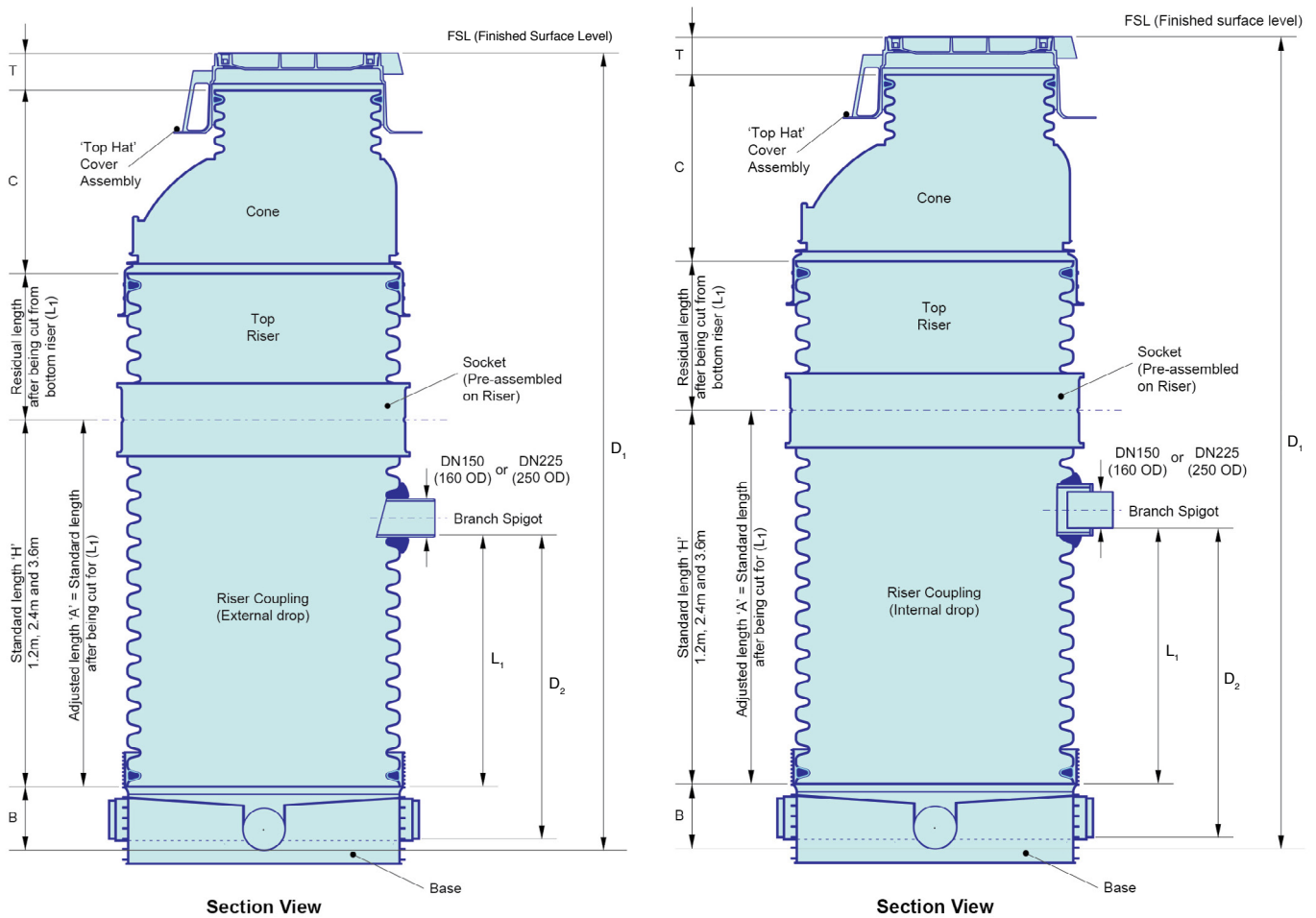


Figure 61: EZIpit® 1000 MH Assembly with Riser Junction (Branch Connection)

Guidelines for assembly:

Determine,

- The depth to invert from the finished surface to the base (D_1) and the invert of the Branch Spigot (D_2)
- The height of the Base B. Reference Table 9 Section 5.5
- The length $L_1 = D_2 - B + 30\text{mm}$

1. Cut the corrugated Riser Junction from the bottom end to length (L_1). Step **07** Section 5.4.1

Determine,

- The Adjusted length ' A ' = $L_1 + 600\text{mm}$
 - The length of the Top Riser $L_2 = D_1 - (B+A+C+T)$
- Cut the residual length to length L_2 for the Top Riser. Step **07** Section 5.4.1
 - Assemble the sealing ring on the bottom Corrugation of the Riser Junction
 - Assemble the Riser Junction with the Base and push down
 - Assemble the sealing rings (Step **08** Section 5.4.1) at the bottom and top corrugations of the Top riser and push the Top Riser down in the socket of the Riser Junction
 - Assemble the Cone and Top Hat Assembly on the Top Riser. Steps **14, 15** and **16** Section 5.4.1

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