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Object	Güthler Rain Storage System
<i>Project</i>	Rain Support Measures (EU Life Project)
<i>Place</i>	Feldkirch, Austria

Situation:	<ul style="list-style-type: none"> ▪ Installation of waste water pits into existing waste water disposal line (EU Life project) ▪ Connection of oval reinforced concrete pipes with rough surface
Solution:	<ul style="list-style-type: none"> ▪ STRAUB-FLEX 3LS
Customer benefits:	<ul style="list-style-type: none"> ▪ Short down time ▪ Economical pipe jointing method ▪ Compensates major manufacturing and installation tolerances ▪ up to 60.0mm gap between pipe ends possible

Installation of 1680.0mm waste water pits (reinforced concrete pipes)





Before bell and spigot cutting



Rough pipe end cutting



The size of the pipe end cutting corresponds approximately to the width of the waste water pit which will be installed. The woods serve to align the waste water pit and the existing concrete reinforced pipe. They will be replaced by concrete which will be injected beneath the waste water pit.



Connection of the waste water pit with the existing concrete reinforced pipe



Centrifugal proceeded concrete reinforced pipes are slightly conical. Differences in diameter may be the result. The decision about which diameter should be used may be taken only once the concrete reinforced pipe is produced and cut.



The screws are tightened with the indicated torque rate.



A view into the waste water pit with the "Güthler rain storage system"



If necessary the gap between pipe ends can be filled out with a waterproof mortar to guarantee a troublefree flowing.

Installation of 2400.0mm waste water pits (reinforced concrete pipes)



The pipe diameter of formwork-hardened concrete reinforced pipes may be determined before completion of a pipe. These type of pipe are not conical.



Waste water pit with STRAUB-FLEX 3LS
2400.0mm