References

Renovation of damaged stoneware collector – cracking/short relining



Uponor involvement

- VipLiner modules 2RC+ dn355x20 - 704 pcs, dn450x25 - 100 pcs.

Renovation of damaged stoneware collector – cracking/short relining with the use of VipLiner modules

In Tomaszów Mazowiecki renovation of a damaged stoneware collector was carried out by means of static cracking method using VipLiner polyethylene modules
In Tomaszów Mazowiecki renovation of a damaged stoneware collector was carried out by means of static cracking method using VipLiner polyethylene modules. In 2013 a decision was made to carry out renovation of the stoneware collector of diameter dn250mm and dn400mm. The collector was leaking in numerous places, particularly in the places of its connection with the manholes.

Project Facts:

Location	Completion
Tomaszów Mazowiecki, Poland	2014
Building Type	Product systems
Municipal	Renovation, Sewer Municipal
Project Type	
Renovation	

Partners

Investor:
Water Supply Administration
Tomaszów Mazowiecki
Contractor:
Blejkan

Upon analysing various renovation technologies it was resolved to repair the collector with the use of VipLiner polyethylene modules PE100 RC with increased resistance to propagation of cracks, point pressure and result of scratching, Blejkan, the contractor of the project, applied the static cracking method, which concerned the crushing of the old collector with the use of the head connected by steel bolted poles with the hydraulic drive hoist and parallel insertion of VipLiner modules after the head. This method allowed to improve the hydraulic parameters of the sewage network. Uponor Infra delivered for this investment VipLiner modules of 0.5 m length and diameter respectively higher than the renovated section (dn355 and 450mm).

The works were carried out in winter at the turn of 2013/2014. The renovation included 8 sections and the longest section between the manholes was 60 m. The contractor commended the easy and simple nature of installation of the modules and the speed of works using VipLiner modules (the average renovation time of a section was approx. 3 days).

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