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SMALL WATER RETENTION PLANNING
IN LAND CONSOLIDATION PROJECTS FOR RURAL AREAS

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SUMMARY

The approach to land consolidation projects should be complex, as these are multifunctional actions related to the improvement of inadequate agricultural land use structure and the implementation of sustainable multifunctional rural development policy. Land consolidation actions should also include the improvement of water management in the agricultural production area. However, the scope of land consolidation design solutions in Poland is overwhelmingly dictated only by economic criteria. Solutions aimed at the improvement of water management are treated fragmentarily. The most desirable aim is to intensify the agricultural production by reconstructing and maintaining reasonably designed irrigation and drainage systems.

One of the solutions in land consolidation design to improve water management is the implementation of small water retention. The paper describes design solutions adopted in the selected land consolidation project to create water retention in rural areas. Some basic rules are also defined for the surveyors to ensure the provision of land for the implementation of small water retention in the process of land consolidation, which requires considering various data on redesigned site.