DuQuoin Wastewater Treatment Plant Improvements
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Challenge

The City of DuQuoin required additional capacity and improvements to their waste water treatment plant. A local wastewater engineer engaged the services of HLR to perform all of the structural engineering aspects for the project.

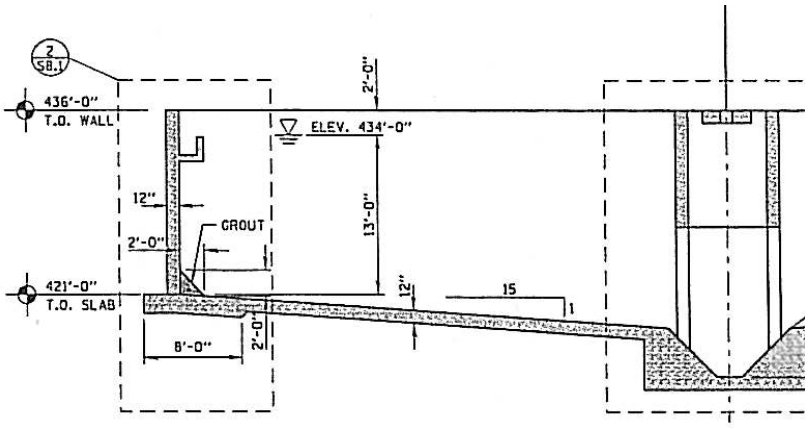
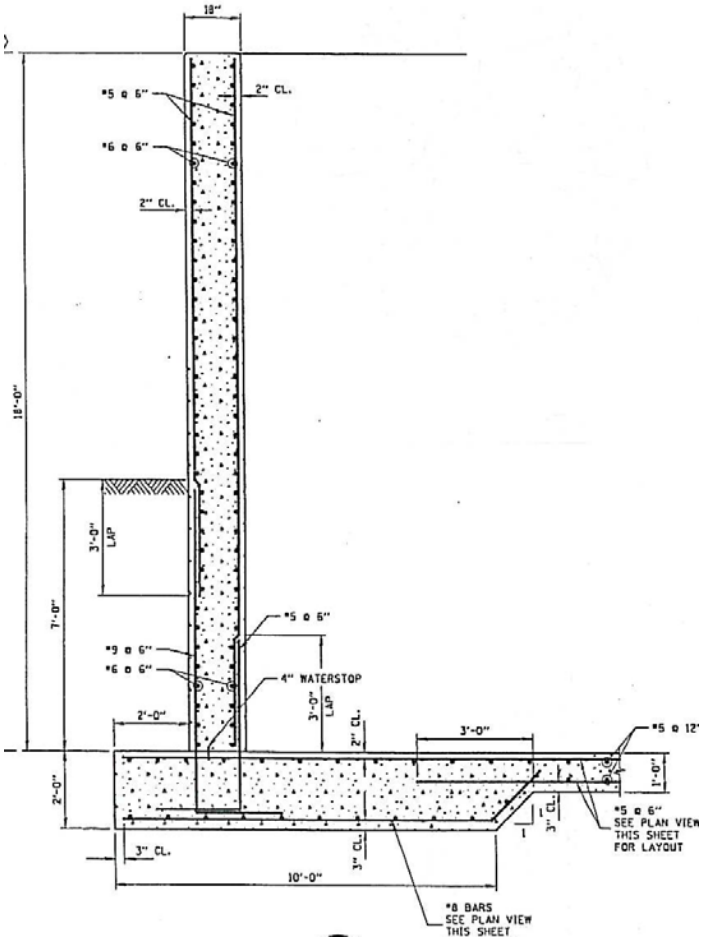
Solution

A concept design was developed by the wastewater engineer.

The concrete structures were designed by HLR on schedule.

All shop drawings were reviewed by HLR.

The facility is in full operation

Results

- *The main structure design included a new107 foot aeration basin and a 98 foot clarifier basin.*
- *A support structure consisted of the design of a new 44'x70' sludge filter and control room complete with a laboratory, office space and full restroom facilities.*
- *Other support structures included the design of a new concrete preliminary fine screen structure, the renovation and modification to a concrete influent pump station, the renovation and heightening of an aerobic digester along with various new concrete splitter boxes.*