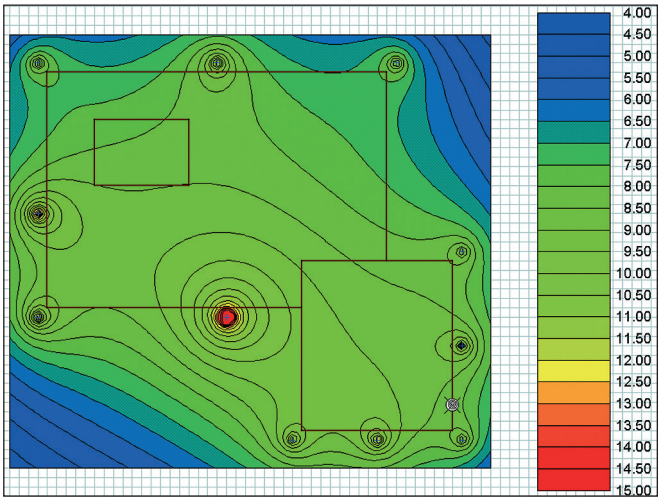
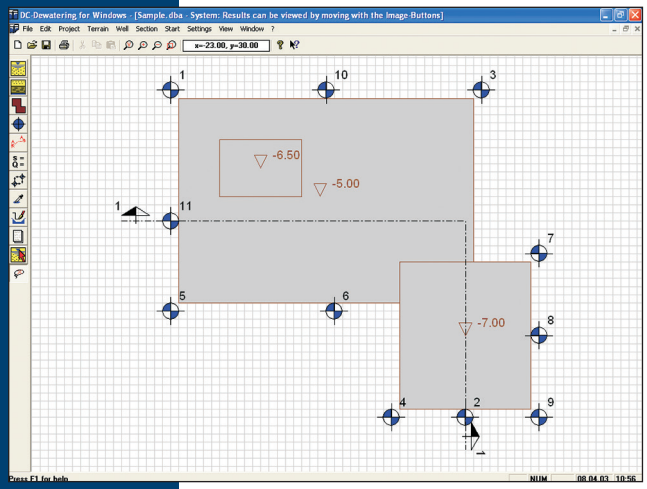
DC-SOFTWARE

Analysis of ground-water lowering
DC-Dewatering



Graphic of the water level with color areas



Foundation pit sectors of different depth

- Calculation with gravity or vacuum wells
- Analysis with required, predefined pump-water rate or single well quantities
- Improved formulae for the use of $Q > Q_{req}$
- Output of the capacity of all wells
- Calculation of the required number of wells
- Lowering and wetted filter height of the wells
- Consideration of the mutual influence
- Calculation of the range acc. to Sichardt, acc. to Weyrauch 2004 for large foundation pits or time-depending
- Waterproof enclosure, calculation of the trough construction method
- Residual water quantities from the wall and the base, inflow from precipitation
- Graphic of the lowering with elevation lines or color areas
- Determination of the critical point
- Free section draw with water-level course
- Interactive display of the lowering at any point
- **Optimization:** distribution of the wells with arbitrary pit shapes and depths
- Optimization of the well depths in accordance to the pumped quantity

- German, English, French, Romanian language
- Arbitrary number and shape of the pits, with different depths
- Free number, diameter and position of wells, several series are possible
- Soil layer definition with different permeability
- Unconfined, semi-confined or confined aquifer
- Adaptation of the lowering depth to different pit depths is possible