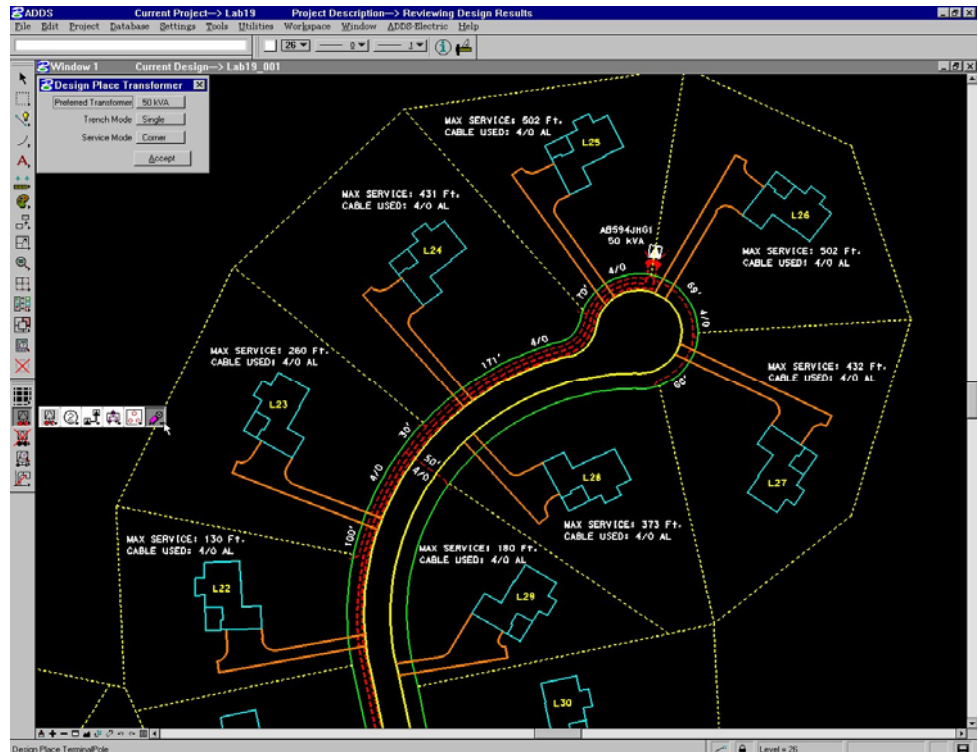


## ***ECONOMIC And EFFICIENT SOLUTIONS For UNDERGROUND RESIDENTIAL DESIGNS***

### ***Design Results Include***

- **Optimized Electric Engineering**
  - Voltage Drop and Flicker Calculations
  - Wire and Transformer Sizing
  - Summary & Detail Engineering Output
- **Complete Electrical Drawing**
  - Detailed Engineering / Construction Drawings
- **Quality Digital Output**
  - MicroStation Design Format
  - AutoCAD DWG Format
  - DXF Translation Format
  - Shapefiles
- **Customizable**
  - User defined Design Specifications and Cable/Transformer Inventory Tables
- **Major Materials List**
  - Quantities and Costing
  - Customizable for client cost



### ***Designed For Flexibility***

The URD (Underground Residential Distribution) design software provided by Roussey Companies, is a complete design package for residential electric facilities. Each set of construction drawings is supported with a detailed calculation document.

The specific software application is called ADDS (Applications for Distribution Design System). This software automates the design process and calculates an optimal design. Designers can quickly complete numerous alternative designs to minimize cost.

ADDs can be implemented as part of an overall AM/FM/GIS effort to automate all corporate mapping functions or as a stand alone design tool for underground residential utility design.

The engineering parameters employed by ADDs are completely customizable by the user. This allows us to fulfill your residential design needs, while utilizing your engineering criteria. All engineering parameters are stored in client specific databases, enabling Roussey Companies to adjust to the individual needs of every client.

### ***Cost Benefits***

**Design:** Significant savings can be realized compared to other methods of design and drafting. URD automation allows the designer to explore alternative designs easily and efficiently. This enables the designer to compare many possibilities and choose the optimal design in less time than it would otherwise take to produce one successful scenario. Current users have realized a greater than 70% savings in the design process alone.

**Construction:** Design savings are magnified by the savings in construction. Optimal designs translate into reduced materials and labor costs during construction. Also, the clarity and detail of the resulting engineering construction drawings reduce guess work by construction crews to a minimum. Existing clients have realized construction savings up to 35%. ADDs is proven to save up to \$250 per meter in new residential subdivisions.