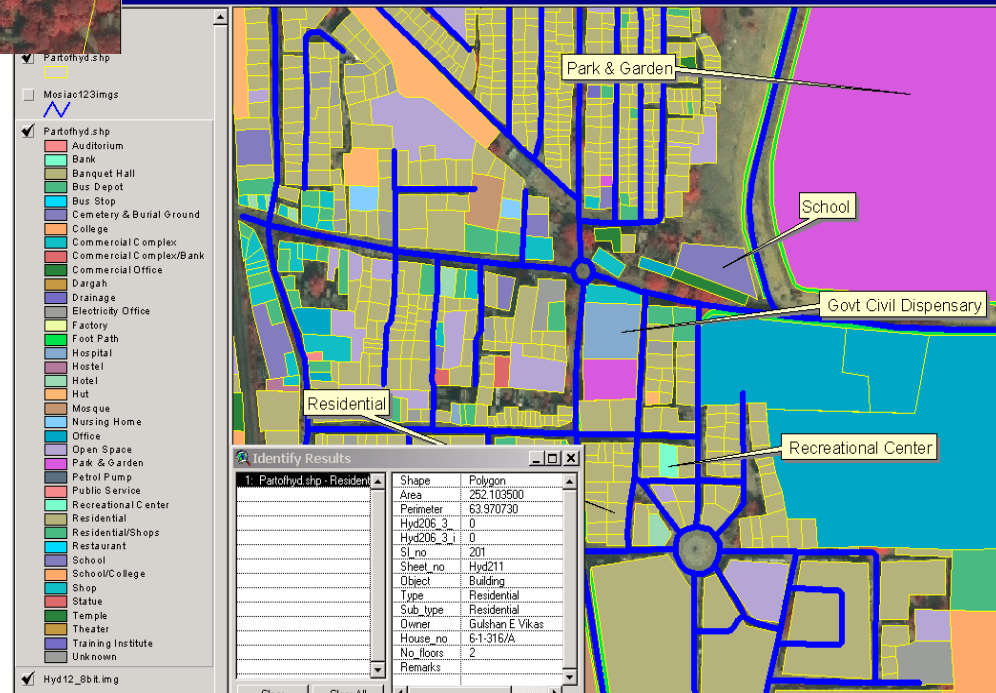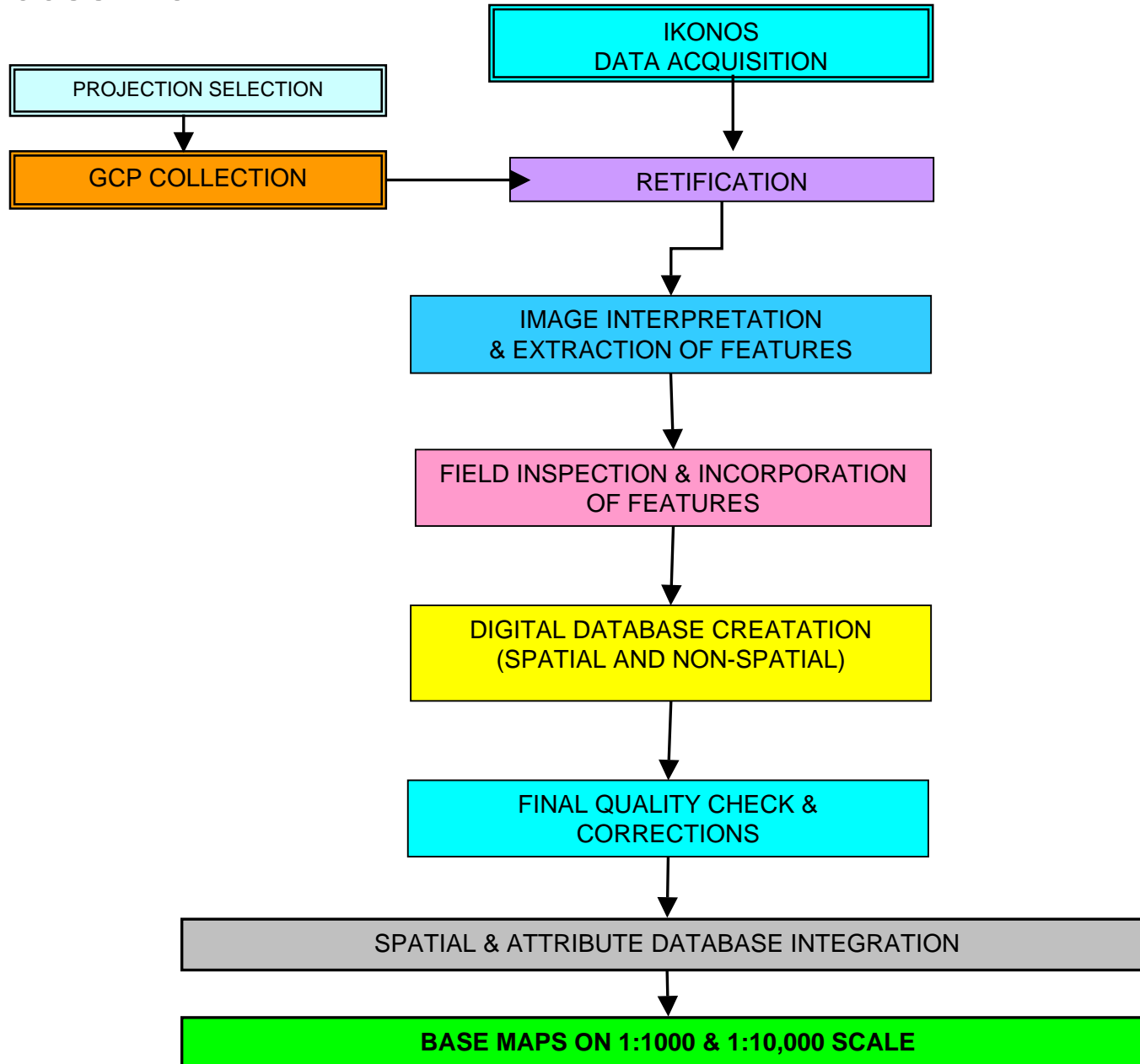**IKONOS Image Overlaid with Road Network**

Base Map on 1:1000 Scale

Urban Mapping Using IKONOS Image Coupled with Field Surveys in Cities Hyderabad, Eluru, Kakinada, Rajahmandry, Warangal
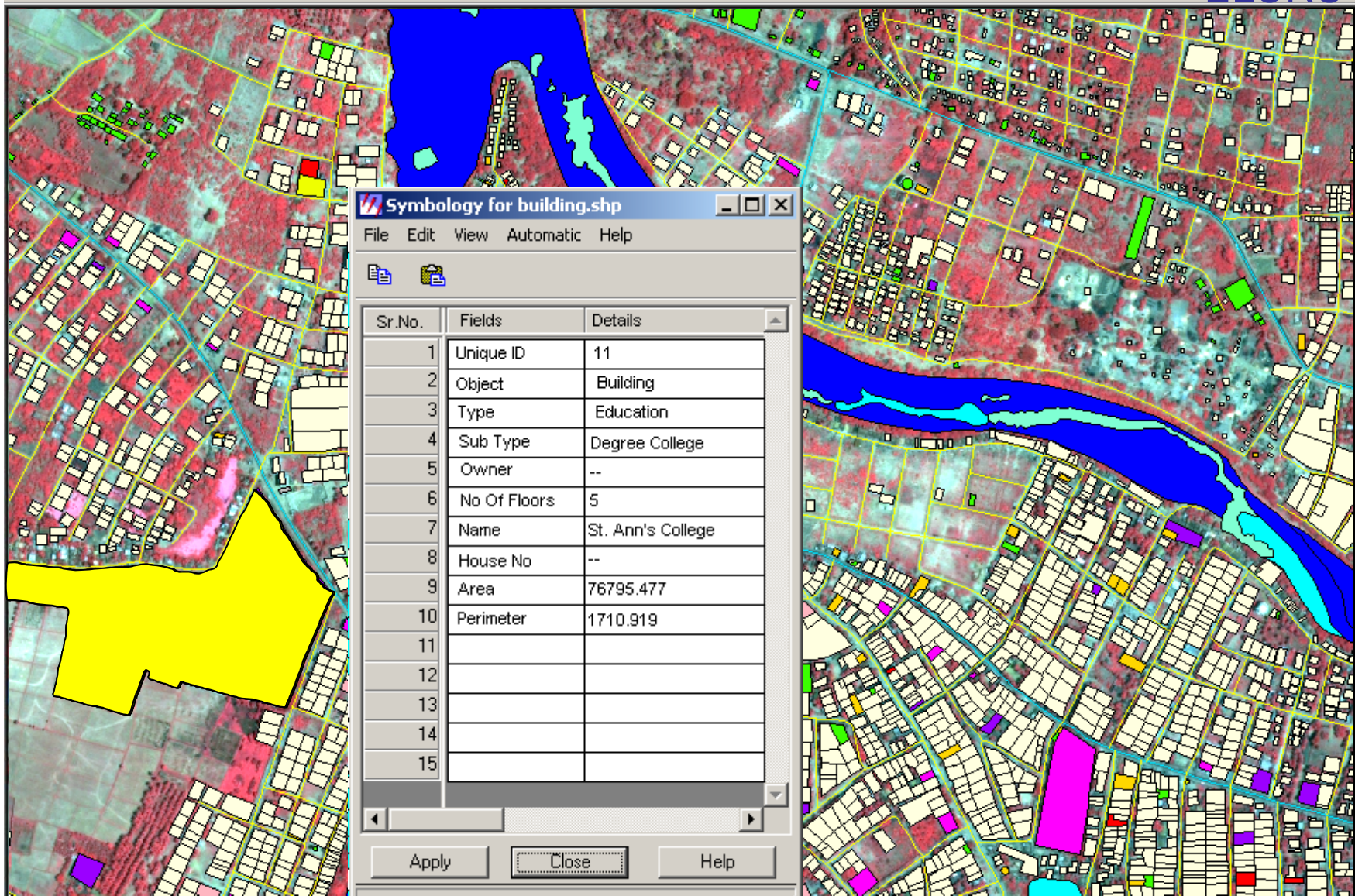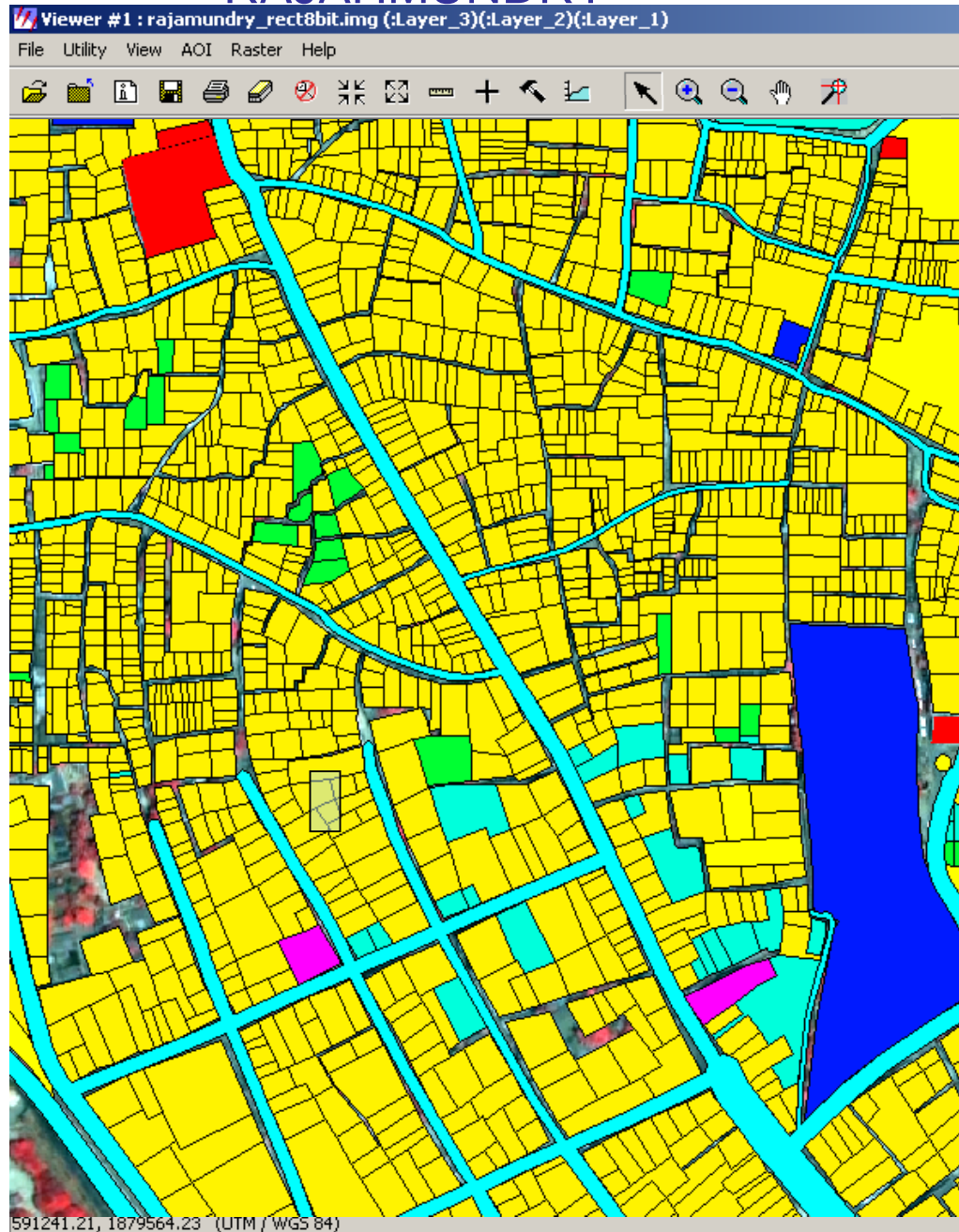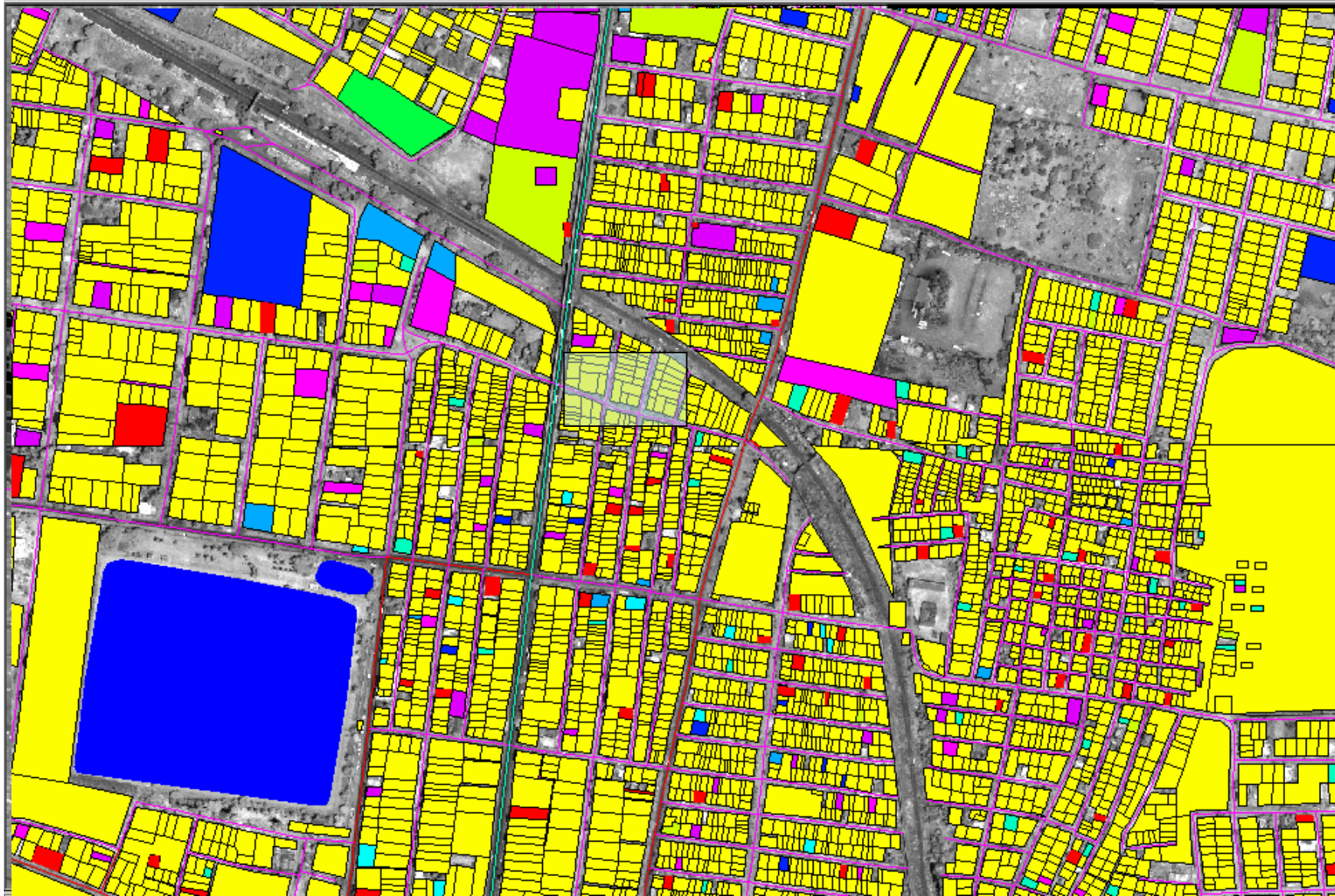
Process Flow

```
                              ┌─────────────────────────┐
                              │   IKONOS                 │
                              │   DATA ACQUISITION       │
                              └─────────────────────────┘
┌─────────────────────────┐                │
│  PROJECTION SELECTION   │                │
└─────────────────────────┘                ▼
            │             ┌─────────────────────────┐
            ▼             │      RETIFICATION        │
┌─────────────────────────┐──────▶└──────────────────┘
│   GCP COLLECTION        │                │
└─────────────────────────┘                ▼
```

PROJECTION SELECTION

GCP COLLECTION ──▶ **RETIFICATION**

IKONOS DATA ACQUISITION

IMAGE INTERPRETATION & EXTRACTION OF FEATURES

FIELD INSPECTION & INCORPORATION OF FEATURES

DIGITAL DATABASE CREATATION (SPATIAL AND NON-SPATIAL)

FINAL QUALITY CHECK & CORRECTIONS

SPATIAL & ATTRIBUTE DATABASE INTEGRATION

BASE MAPS ON 1:1000 & 1:10,000 SCALE

RAJAHMUNDRY

WARANGAL