

Real Estate/Land Development Services

Sobha Developers
Bangalore, India

Responsibility: Invicus is currently providing planning and design services for the civil infrastructure component of a 60 acre mixed use facility for Sobha. Invicus' scope of services includes:

Conceptual Engineering Plan – Paving, Grading, and Drainage Plans

Invicus is performing engineering calculations for evaluating pre and post development conditions and design the required drainage requirements based on the criteria of the local and state regulatory agencies, and water distribution and wastewater services. Invicus is evaluating the existing utilities related to water and sewer connections in the vicinity of the proposed project.

Construction Plans & Specifications

Based on the Client-approved and municipality-approved final site plan, Invicus is designing and preparing construction plans for the on-site paving, grading, drainage, water distribution system, wastewater collection system, traffic signage and pavement markings and erosion control (landscaped areas) for the proposed facility. The plans will meet the requirements of international standards keeping in perspective the requirements of the local municipalities and the relevant permitting agencies.

Opinion of Probable Cost Estimate

Invicus is preparing an Engineer's Estimate of Probable Cost for the construction of the civil aspects pertaining to the site improvements based on current market costs.

Local Agency Review Meetings

Invicus is working closely with the client and all the stakeholders to facilitate communication during the planning and design phase. This process will minimize potential problems that could arise during construction.

Invicus' scope of Preliminary & Detailed Design includes

1. Adaptation of Design Guidelines
2. Adaptation of Design Specifications
3. Preliminary Site/ROW Analysis/Easement Requirements
4. Preliminary Traffic Analysis
5. Preliminary Drainage Analysis
6. Utility Corridor Analysis
7. Preliminary Waterline Analysis
8. Preliminary Wastewater Analysis
9. Typical Roadway Sections
10. Roadway/Street Design
11. Storm Water System Design
12. Waterline Design
13. Wastewater Collection System Design
14. Detailed Quantity Estimates
15. Details & Standards
16. Project Coordination & Management



Invicus' commitment to making better communities through contextual infrastructure planning and developing environmentally sustainable systems has

been the cornerstone of its success in the industry.

Invicus is today involved in planning and designing all the infrastructure components of mixed use

communities, townships and special economic zones (SEZ's). Invicus' capabilities extend to all aspects of

infrastructure design including roadway networks, underground drainage systems, water treatment and

distribution systems, wastewater collection and treatment systems, signing and pavement markings,

illumination and general civil engineering.

Building Sustainable Communities

- Environmentally Sustainable Approach
 - Contextual Infrastructure Planning
 - Enhancing Quality of Life
 - Cost Effective Solutions
 - Aesthetically Engineered Designs
- International Design Capabilities and a penchant for Quality distinguish Invicus from its competition.

