

## **Fields of St. Croix**

Lake Elmo, Minnesota, U.S.



Size:

241 acres, 113 homes, 12 attached homes

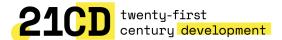
**Dates:** 1999 - 2004

Project Team: Robert Engstrom, Developer

The Fields of St. Croix is a planned suburban community focused on preserving the architectural heritage and ecosystem of the region. It is focused on historic preservation, organic agriculture, and ecological restoration.

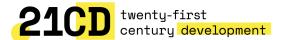
## **Goals & Strategies**

🕂 Place	
Food	<b>Goals:</b> Preserve prime agriculture land. <b>Strategies:</b> 90-acre organic farm CSA is available. Private gardens.
Habitat	<b>Goals:</b> Preserve native ecosystem in open space. Protect and enhance ecosystem services. <b>Strategies:</b> 144 acres (60%) of the land is put into a conservation easement. Landscaping includes prairie, wetland buffers, and oak savannas.
Transportation	<b>Goals:</b> Promote a safe, walkable neighborhood. <b>Strategies:</b> Narrow streets sized for use. Walking paths, hiking trail. 5 miles from services, car-dependent development.
🖒 Water	
Water	<b>Goals:</b> 100% of wastewater treated through innovative wetland wastewater treatment system. <b>Strategies:</b> Stormwater infiltration into groundwater. Lake shoreline preservation and private wells.

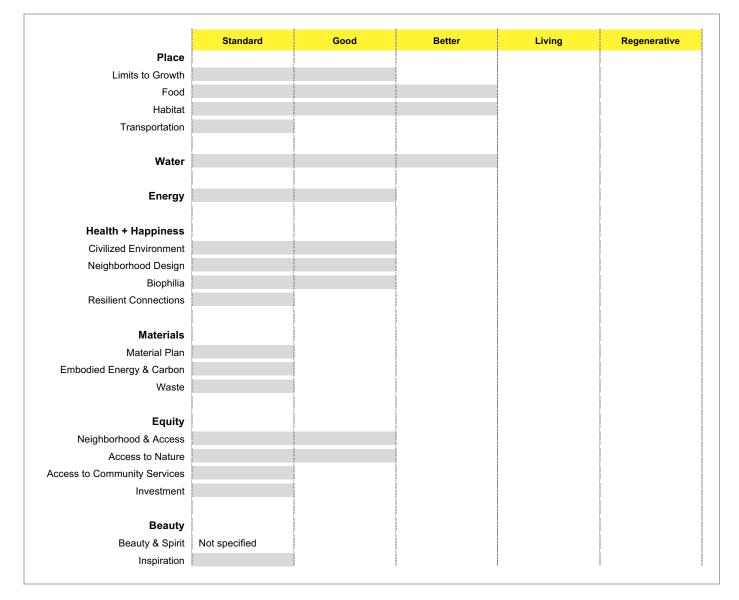


4 Energy		
Energy	<b>Goals:</b> Goals not defined. <b>Strategies:</b> Solar PV-ready construction. Guidelines for solar PV. Otherwise, standard construction.	
<b>Health + Happiness</b> (Details not provided by researchers)		
Staterials		
Material Plan	<b>Goals:</b> Cohesive aesthetics respond to architectural heritage. <b>Strategies:</b> Strict rules enforced by community board.	
Waste	Goals: Innovative wastewater treatment. Strategies: Waste collection.	
Equity		
Neighborhood & Access	<b>Goals:</b> Goals not defined. <b>Strategies:</b> Houses clustered around community green. Community center, community meetings.	
Access to Nature	Goals: Goals not defined. Strategies: Walking and biking paths around the acreage.	
Beauty	(Details not provided by researchers)	

> See next page for Performance Levels achieved



## **Performance Levels Achieved:**



## Sources:

http://www.robertengstromcompanies.com/prev\_fields.html https://fieldsofstcroix.wordpress.com/water-treatment-septic-documents/ \*Note: This case study was developed using found information.

**21st Century Development** is a model for the creation of regenerative communities that strives to provide a healthy environment for all people and living systems now and in a dynamic future.

The initiative is created and supported by a partnership of AIA Minnesota, the Center for Sustainable Building Research, Colloqate Design and The McKnight Foundation.





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