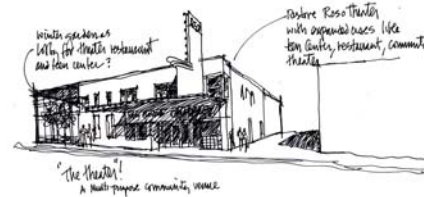
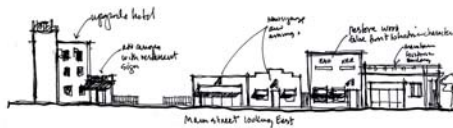
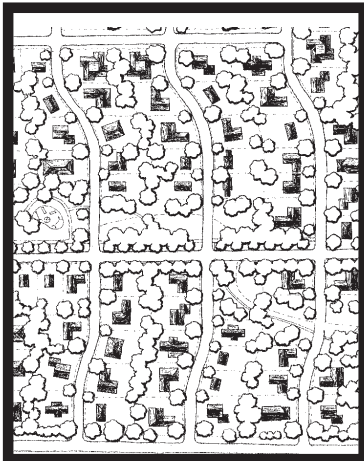


ROSEAU: A VISION FOR THE FUTURE

APPENDIX



FLOOD CONTROL

- MINIMIZE DAMAGE
- ENHANCE URBAN FRONT
- CONTROL SPREAD OF FLOODING INTO AREAS OPPOSITE

FLOOD CONTROL MEASURES MUST BE REFINISHED UPON:

- IMPROVED URBAN FRONT
- PROPOSED URBAN AREAS
- EXISTING CHANNELS
- LAND USE CHANGES
- ADJUSTING PROPORTION (LOCAL PUMP STATION)
- LANDSCAPING

THE SOLUTIONS MAY BE PART OF A COMBINATION OF FLOOD CONTROL TECHNIQUES.

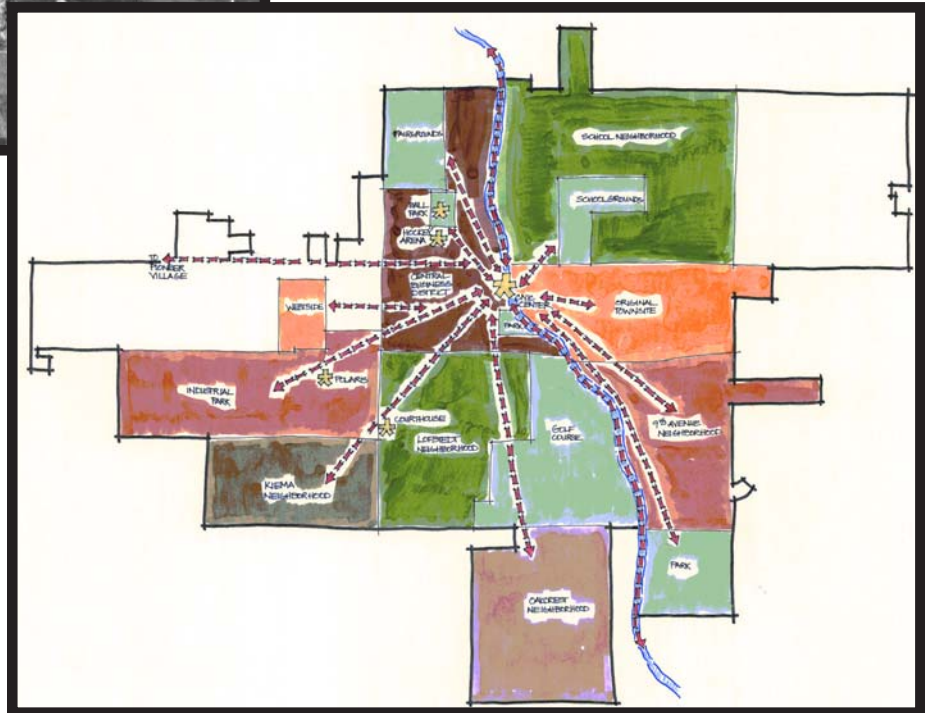
FINAL FLOOD CONTROL TECHNIQUES WILL DETERMINE HOW THE CITY PROTECTS AND OPERATES.

ROSEAU HAS A HISTORY OF FLOODING.

1916 1950 1950 1950


Vision for the Future
FLOOD BOARD

Appendices





STARTING POINT(S)



FLOOD MITIGATION:

CHANGES:

- PHYSICAL FEATURES.
- RESIDENTIAL NEIGHBORHOODS.
- MAIN STREET.

OPPORTUNITIES:

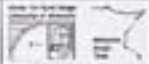
- CONNECTION AND USE OF FINEST.
- NEW DEVELOPMENT.
- TOURISM.
- ECONOMIC DEVELOPMENT.

COMMUNITY NEEDS:

- COMPREHENSIVE PLAN
- CITIZEN INVOLVEMENT IN PROCESS.
- FUNDING.
- PATIENCE & COOPERATION.
- UNDERSTANDING LIMITS OF LOCAL GOVERNMENT.

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Roseau, MN 1

"LET'S NOT DO THIS AGAIN!"
February 2003





FLOOD CONTROL

- MINIMIZE DAMAGES
- BALANCE NATURAL WILDLIFE
- CAUSE: FOOTPRINT OF FLOODING WILL BEING STUDIED
- FLOOD CONTROL IDEAS MUST BE APPROVED FIRST

FLOOD CONTROL ALTERNATIVES:

- IMPROVEMENTS UPSTREAM
- PROTECT WETLANDS
- DEVELOP CHANNELS
- LAND USE CHANGE
- AQUATIC PROPAGATION (WATER PLANT HYDROLOGY)
- LEAKING/DIAMS

- THE SOLUTION MAY REQUIRE A COMBINATION OF FLOOD CONTROL TECHNIQUES
- FINAL FLOOD CONTROL TECHNIQUES WILL INFLUENCE HOW THE CITY RECOVERS AND GROWS
- ROSEAU HAS A HISTORY OF FLOODING

1916 1920 1950 1965

Vision for the Future
Roseau, MN **2** **FLOOD BOARD** February 2003

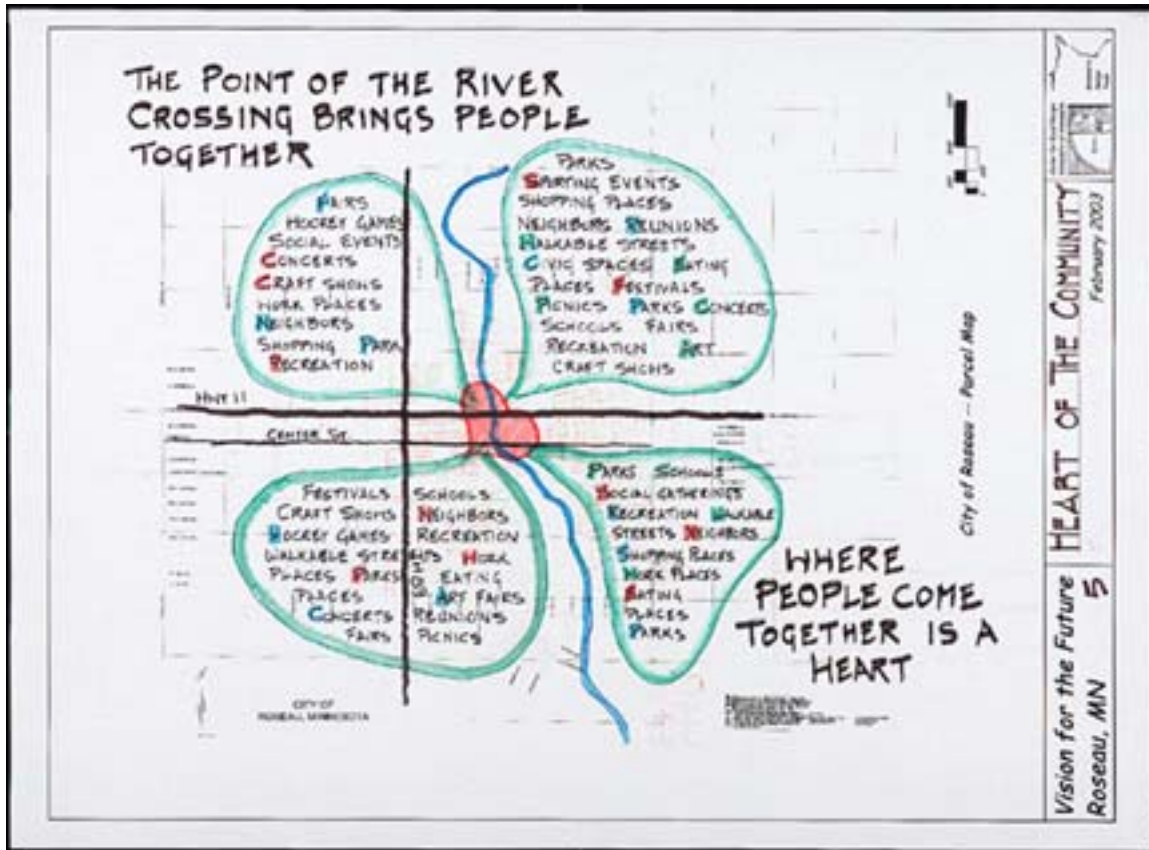


TOOLKIT OF TECHNIQUES

<u>WATERSHED SCALE</u>	<u>CITY SCALE</u>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);"><u>LEASD CONTROL</u></p> <ul style="list-style-type: none"> ✦ RIVER DIVERSION CHANNELS ✦ UPPER WATERSHED IMPROVEMENTS ✦ UPPER WATERSHED LANDCOVER TYPES ✦ WETLAND RESTORATIONS ✦ CHANNELIZATION ✦ CULVERT SIZING ✦ AQUATIC ECOSYSTEM RESTORATION 	<p style="writing-mode: vertical-rl; transform: rotate(180deg);"><u>LEASD RESTRICTION</u></p> <ul style="list-style-type: none"> ✦ LEVEES & DIKES ✦ FLOODWALLS ✦ FLOODWAY RESIZING ✦ ZONING
<p style="text-align: center;"><u>LEVEES & DIKES</u></p> <ul style="list-style-type: none"> ✦ TOP WIDTH: 12' MINIMUM ✦ SIDE SLOPE: 1:3 MINIMUM 	<p style="text-align: center;"><u>FLOODWALLS</u></p>
<p style="text-align: center;"><u>FLOODWAY RESIZING</u></p>	<p style="text-align: center;"><u>ZONING</u></p>
<p>Vision for the Future Roseau, MN 4</p>	
<p>TOOLKITS</p>	
<p>February 2003</p>	



Minnesota Design Team Posters







Minnesota Design Team Posters





THE PUBLIC REALM

- *FACE OF STREET DEFINED BY LIMITED PALETTE OF MATERIALS
- *NARROW SIDEWALK USES TEXTURE FOR INTEREST
- *BUILDING HEIGHT IS FLEXIBLE AS LONG AS MATERIALS COMPLY
- *LIGHTING IS PEDESTRIAN IN SCALE
- *STREETSCAPE DEFINED BY BUILDINGS ALIGNING ALONG LOT LINE ~ NO SETBACK VARIATION ALONG STREET

LOCAL PRECEDENTS

- *DEFINE MATERIALS
- *GIVE CONTEXT
- *DEMAND CONNECTIVITY

BASIC RELATIONSHIPS
ENTRIES
WINDOWS
WALL TREATMENTS
SIGNAGE

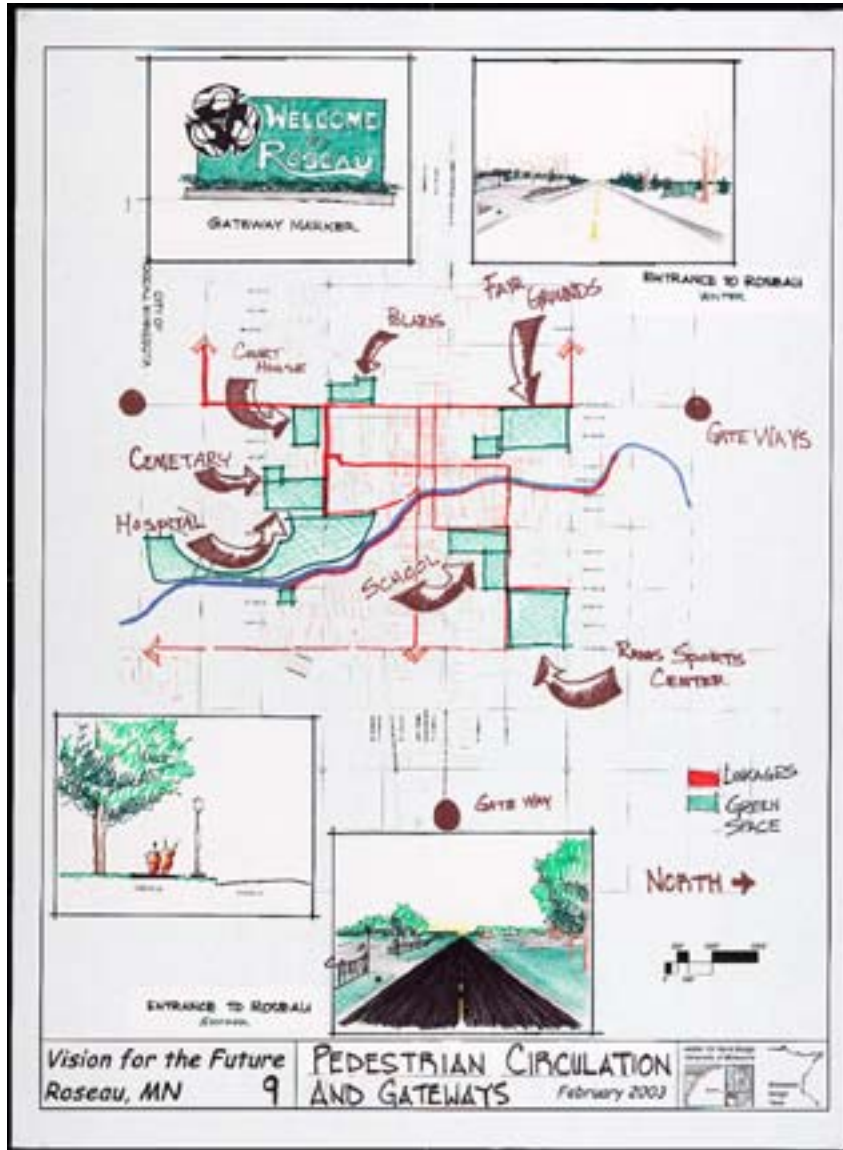
FRONTAGE GUIDELINES

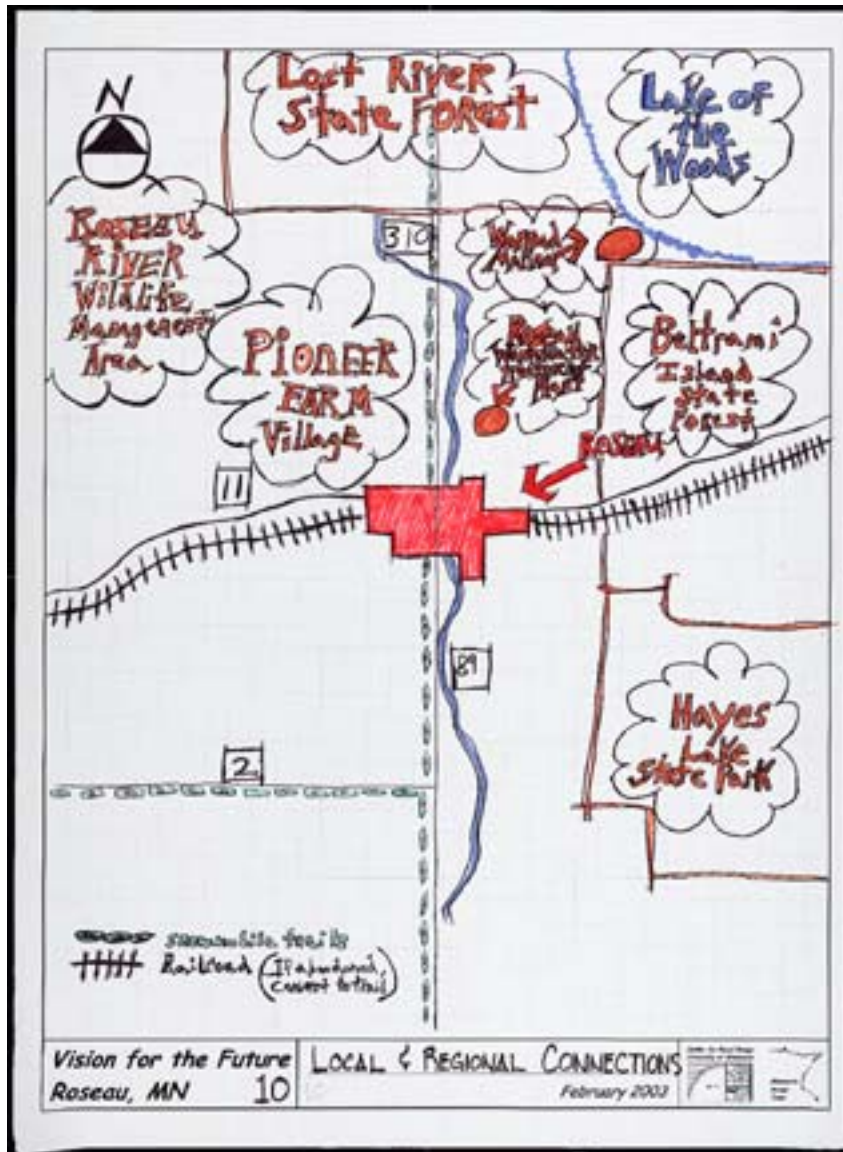
MAINTAIN INTEGRITY OF THE PUBLIC REALM

Vision for the Future Roseau, MN	PUBLIC REALM	February 2003
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TOURISM

STRATEGIES: 1 DEVELOP NICHE / THEME
2 BUILD ON WHAT YOU HAVE

AREAS OF STRENGTH: GEOGRAPHIC LOCATION
RICH HOCKEY HISTORY



- GEOGRAPHIC LOCATION

- ☑ SNOWMOBILING
- ☑ FISHING / ECO-TOURISM
- ☑ BIRDING - MN PINE TO PRAIRIE TRAIL

- RICH HOCKEY HISTORY

- ☑ HOCKEY MUSEUM
- ??? MINNESOTA HIGH SCHOOL HOCKEY HALL OF FAME
- SIGNED MEMORABILIA
- PHOTO DISPLAYS
- POST CARDS
- TRADING CARD SET
- MERCHANDISE [MUGS, T-SHIRTS, Etc.]
- ☑ HOCKEY CAMPS / TOURNAMENTS
- BROCHURES HIGHLIGHTING ROSEAU'S RETAIL

* TARGETED AT PARENTS OF ATTENDEES

PEOPLE LIKE TO LIVE IN ROSEAU REGION

↑ PLAY LANGUAGE

↑ COMMUNITY VALUES

↑ OUTDOOR RECREATION

↓ HOBBY

↓ AGRICULTURE

↓ FISHING

SENSE OF PLACE

UNIQUE QUALITIES OF LANDSCAPE & CULTURE

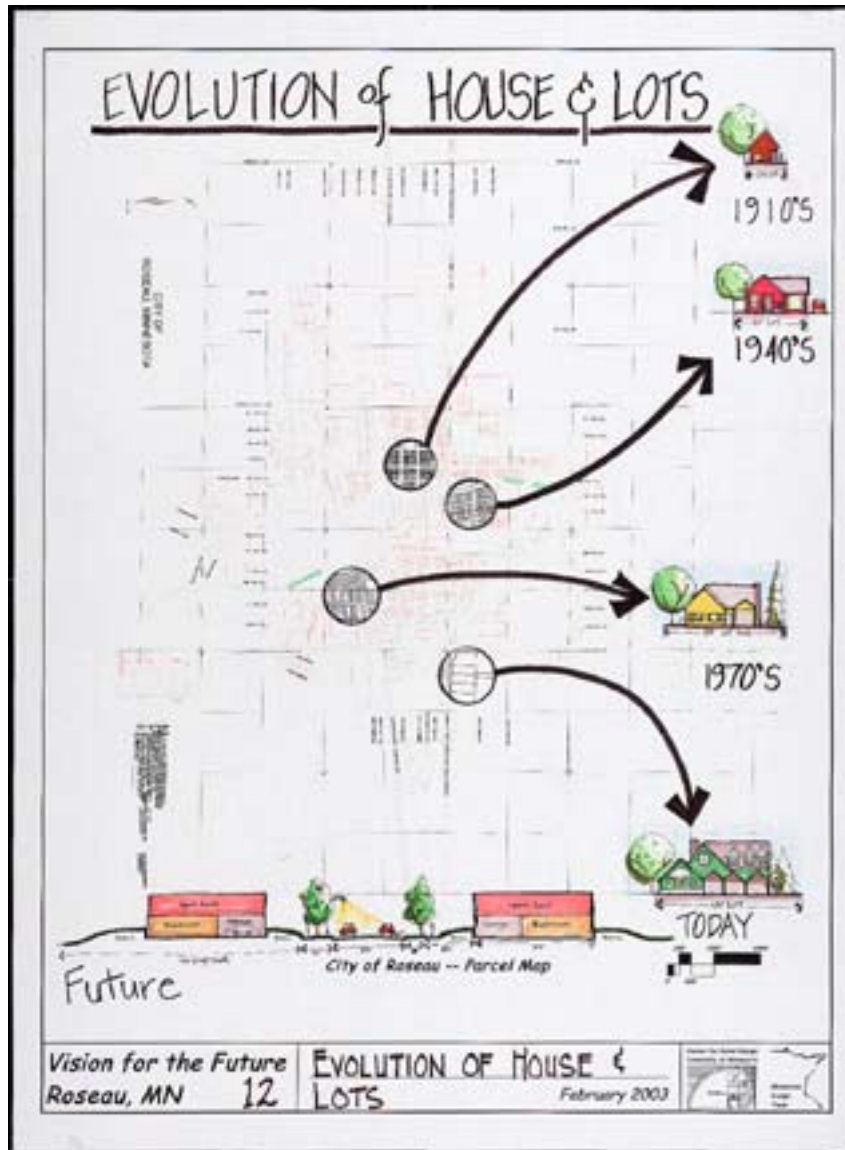
PRIDE IN PLACE

TOURISTS ATTRACTED TO A PLACE

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Roseau, MN

TOURISM = MONEY

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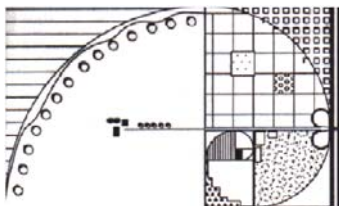


Minnesota Design Team Posters





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