EAST GRAND FORKS

AREA CHARACTER

THE RED LAKE RIVER & THE RED RIVER OF THE NORTH CONFLUENCE

EAGLE POINT BOAT LAUNCH DESIGN

DESIGN DETAILS
EAST GRAND FORKS

AREA CHARACTER

East Grand Forks a city of 7,501 people is located across the Red River of the North from the Grand Forks / North Dakota border. It suffered considerable damage from a major flood in 1997. Most of its homes and many of its businesses were destroyed. The city has been rebuilt on higher ground. Dikes have been erected and The Greenway has been created in the floodway along the main stem of the Red River of the North. East Grand Fork’s Eagle Point is located on the southern shore of the Red Lake River just upstream from the confluence of the Red Lake River and the Red River.

DESCRIPTION OF PHOTOGRAPHS

EXISTING FISHING LOCATION: Taking advantage of great fishing, most fisher people choose to fish from the south bank of the Red Lake River in the areas with moderate forest cover. This location is close to the future boat launch.

EXISTING FISHING LOCATION: The edge condition along the banks of the Red Lake River protect the bank from erosion and are ideal locations for potential river access locations.

FUTURE BOAT LAUNCH (A): This view describes the location of a future boat launch just north of the Second Avenue Southeast Bridge.

VIEW OF EAGLE POINT TRAIL & TRAILHEAD (B): The Eagle Point Trailhead and its building are located west of Second Avenue Southeast.

VIEW OF SECOND AVENUE SOUTHEAST BRIDGE (C): Second Avenue Southeast Bridge bisects Eagle Point. Because the road is elevated to protect it from flooding, a path beneath the road connects the two areas.
EAST GRAND FORKS
RED LAKE RIVER & THE RED RIVER OF THE NORTH CONFLUENCE

The new Red Lake River Boat Launch will provide a great asset to the Red Lake River and to the City of
East Grand Forks. Siting the new boat launch adjacent to the Eagle Point Trailhead provides new opportu-
nities for recreation while creating a unique place at the confluence of the Red Lake River and the Red
River of the North. This location will serve as the terminus of the Red Lake River Corridor and celebrate
river user’s arrival at East Grand Forks. The integration of trails, new fishing benches, piers, platforms,
re-forestation, signage, and sculpture provide a unique experience and a destination within the
community.
RED LAKE RIVER & THE RED RIVER OF THE NORTH CONFLUENCE

- Cottonwood Plantings
- DNR Boat Launch
- Fishing Pier / Carry-in
- Trail
- RLRC Water Level Sculptures
- Eagle Point Trailhead
- Reforestation Plantings (Shown in Hatch Pattern)
- Fishing Pier
- Rock Riffle
- To Fishing Platform
EAST GRAND FORKS
EAGLE POINT DESIGN

The Red Lake River Corridor plan terminates at Eagle Point just above the confluence of the Red Lake River and the Red River. It is bisected by Second Avenue Southeast. Located in the flood plain, Eagle Point is bounded on the north side by the Red Lake River. Access to both rivers and access to the Eagle Point Trail System are features of the design. The design uses the landscape, river, and flood levels to create a planting scheme that accentuates the sites environmental conditions while integrating both sides of the Second Avenue Southeast bridge into a connected whole. By uniting the boat launches, fishing piers, trail system, carry-in locations, and trailhead design the plan creates a place that marks the arrival to East Grand Forks, the confluence of the rivers, and Eagle Point as a community space.

HC ACCESSIBLE FISHING PIER / OVERLOOK: The fishing pier/overlook provides handicap access to the Red Lake River. It also provides views up and down the river.

BOAT LAUNCH & PARKING LOT: The boat launch is sited just east of the Second Avenue Southeast Bridge on the Red Lake River. The parking lot is sited on higher ground. Pathways lead from the parking lot to the fishing pier, the boat launch, and the trailhead building. (The boat launch specifications and plan were provided by the Minnesota Department of Natural Resources.)

VEGETATED SWALE: The drainage swale winds its way through the park and empties into the Red Lake River just west of the boat launch. It is designed to receive storm water run off and cleanse it before emptying it into the Red Lake River. The swale’s shallow cross section and heavily vegetated edges of native plants will clean the storm water runoff, promote its infiltration, and provide wildlife habitat.

TRAIL SYSTEM: A trail system on the point connects the fishing pier, the boat launch, the parking lot, to the Eagle Point Trailhead building and the Greenway Trail.

COTTONWOOD PLANTINGS: Rows of cottonwood trees are aligned with the piers that elevate Second Avenue Southeast. In addition to marking the piers and marking the changing water levels in the flood-plain, they strengthen the connection between the two park areas that are separated by Second Avenue Southeast. This water-tolerant specie with stands periodic inundation of water and helps to prevent shoreline erosion, characteristics that are desirable and necessary in this flood-plain location. The trees act as living sculptures accentuating the flooding waters on the landscape.

RLRC WATER SCULPTURES: Two sculptures are placed on the trail that connect the trailhead facilities building and boat launch. Their placement creates a connection between the areas on either side of the bridge. They are designed to mark water level changes during high water.

RLRC INFORMATIONAL SIGN: The signs at the boat launch and fishing pier/overlook provide information about East Grand Forks, the Greenway, and the Red Lake River Corridor and its trail resources such as picnic areas, camping areas, and restrooms.
EAGLE POINT DESIGN

New Fishing Pier (detail pg. 143)

RED LAKE RIVER INFORMATIONAL SIGN

VEGETATED SWALE

COTTONWOOD PLANTINGS

Bridge Abutments

Park Bridge

RLRC WATER SCULPTURES

Trail Connection to River Confluence

Information Kiosk

Contours @ 5' Interval

Eagle Point Trailhead Facilities & Parking

Red Lake River

New Access / Boat Launch (Boat Launch & Parking Lot Used With Permission From The Minnesota Department of Natural Resources)

Boat Trailer Parking

H.C. ACCESSIBLE FISHING PIER / OVERLOOK

RED LAKE RIVER INFORMATIONAL SIGN

Prairie Species

Car Parking

Crosswalks

Information Kiosk

RLRC Logo

Welded Tabs

2" Collars

1" Rebar

4" Galvanized Steel Pipe

River Resource Signage

Conc. Footing
EAST GRAND FORKS
FISHING PIER / OVERLOOK DETAILS

PROTOTYPICAL FISHING PIER / OVERLOOK: The fishing pier / overlook provides handicap access to the Red River. Located at the point where the riverbank drops to the water at a steep angle, this fishing structure provides access to the river for those wishing to fish as well as those who came to look at the river. The pier has a staircase to its side providing access to the river even during low flows. This structure is designed with the RLRC design vocabulary of galvanized steel and metal grates creating a familiarity between installations along the Red Lake River Corridor. Positioned within existing or planted trees the pier is designed to withstand moderate flood events and river debris contact.

HIC ACCESSIBLE FISHING PIER / OVERLOOK: The handicap accessible fishing pier/overlook uses the signature design vocabulary developed for access points, sign locations, and camping facilities all along the Red Lake River Corridor. Existing trees protect it from debris during high water. The pier is stepped to accommodate use at several water levels. The steel decking minimizes maintenance over time by allowing sediments to deposit through the deck back into the river. It can be removed to prevent damage from flooding. The pier is set into the bank to remain usable during high water and to minimize the distance it extends into the river channel. Rip-rap protects the shoreline.
FISHING PIER / OVERLOOK DETAILS

PROTOTYPICAL FISHING PIER / OVERLOOK

- Stairway to Water Edge
- Fishing Pier & Overlook
- Custom Steel Pilings with Removable Steel Deck
- Trail to Parking

HC ACCESSIBLE FISHING PIER / OVERLOOK

- HC Accessible Ramp Maintains 5% Slope and Provides Landings at Equal Intervals
- Pier is Placed within Existing Trees which Serve to Deflect Water Born Debris During Flood Events
- RLRC Informational Sign
- Steel Grating Allows Sediments to Deposit Through the Deck Back into the River
- Fishing Pier Railing Placed at Alternate Heights (42” - 32”) to Accommodate Handicap Accessibility Issues
- Rip Rap Type Boulder Shoreline Reinforcement
- Tree Lined Trail Produces a Strong Connection Back to The Greenway
- Multiple Levels of Accessibility Accomodates Multiple Flood Stages 1-3

Platform Is Handicap Accessible With ADA Approved Steel Grate Decking

Pier is Placed within Existing Trees which Serve to Deflect Water Born Debris During Flood Events

Trail to Parking
EAST GRAND FORKS
MAKING RIVER PROCESSES VISIBLE

RLRC WATER SCULPTURE: The steel bar Water Sculpture marks the changes in water levels during flood events. Sited on the trail between the new trailhead facilities building and boat launch, this vertical landscape element strengthens the connection between the two. The spiraling form accentuates the vertical nature of rising and falling water levels. Large horizontal steel plates make visible the changes in water level and make the water elevation in feet. The design and character elements connect the Red Lake River Corridor to the Greenway while creating a public space for the East Grand Forks Community.
RLRC WATER LEVEL SCULPTURE