SCOPE OF WORK

Using the results of the 2017 fall studio, including the analysis, program, concept and master plan design, the focus of this phase was taking Centennial/Rainey Park to a deeper level of design. For this schematic design a more specific program was developed and the urban design scheme was furthered by connecting to the surrounding neighborhoods.

Issues involving flooding, grading, and biological habitats of the levee were further investigated. Access and circulation connecting to the diverse program elements was accomplished. By accomplishing all of the above, we have connected the City of Pocatello to its most important natural resource, the Portneuf River.

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PORTNEUF VISION STUDY

Our vision is to restore the Portneuf River corridor in order to revitalize environmental, recreational, and economic opportunities. This can lead to improved health and well-being, increased community pride, connectivity, and quality of life (p. 2, Portneuf Vision Study).

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GUIDING PRINCIPLES

These guiding principles were formed to help ensure that the design of Centennial Park met the needs of the community. With these principles, the design was able to become part of the community and enhance the opportunities provided by the park.

HISTORICAL TIES

• Preserve key historical buildings
• Incorporate history into community identity
• Tie to the Portneuf River history

RECREATION LINKS

• Link to community
• Enhance energy
• Connect to the Portneuf River
• Diverse recreational opportunities

FUTURE GROWTH

• Provide amenities; limit urban sprawl
• Provide diverse housing opportunities
• Enhance community identity and continuity
• Create continuity

CORRIDOR ENHANCEMENT

• Connect and create community identity
• Link greenway to ISU
• More available streetscapes

RIVER RECONNECTION

• Reconnect city to the Portneuf River
• Improve health of community and river
• Make the river a focus of the city
• Restore habitat/restoration

PROGRAM POTENTIAL

It is important for the basic needs to be met as a city grows. This enhances the community, productivity, and helps promote healthy growth. The Levee West Reach lacks connections and amenities but many areas have the potential to provide for these needs.

LEVEE WEST REACH VISION STATEMENT

Our vision is to create an identifiable character of community. The West Levee Reach has been underutilized and disconnected to the majority of Pocatello but it has numerous potential growth areas. Our hope is to rethink the connection and create a holistic sense of community within the reach, while nurturing social, economic, historical, and recreational values. Mixed-use centers will support these ambitions and improve the existing infrastructure, while limiting sprawl. These centers will provide a mix of housing and use that will be adaptable to phased growth and planning, enhancing the area and creating a viable, living district that becomes a destination for community ties. These changes will make the area a small community unto itself, while becoming more wholely connected to the rest of Pocatello to bring a needed unity to the city.

REVIEW OF FALL CENTENNIAL PARK

Work from the Levee West Reach of Centennial Park in the fall of 2017.
Centennial Park has the opportunity of becoming more than just a park for Pocatello. The city already has plenty of parks that provide the community with green space. To create more value, especially with the connection to the Portneuf River, Centennial Park will be a regional destination.

As a regional destination, Centennial Park will engage and give value to the community. At the same time new users will be attracted to Pocatello.

VALUE PROPOSITION

Never has Centennial Park had a chance to fully illustrate the value it offers to the community. The Portneuf River is a huge asset for Pocatello, but it is not being used to its full potential. As a regional destination, Centennial Park will engage and give value to the community. At the same time new users will be attracted to Pocatello.

To create a regional destination, our design process worked with the guiding principles, comments from Pocatello, and highlighting and enhancing existing features. The idea of the conceptual diagrams was to create an interaction between the community and the river. These areas could then be expanded into the park to include wetlands, native plants, and restoration of the river. This creates unique opportunities for river activities and educational opportunities within the community and invite new users to the park.

The asphalt parking and driveway are useful and service the charter school. These could be enhanced to create a better relationship to the school and park.

These are features in Centennial Park that aren’t working functionally for the benefit of the community, native environment, and the Portneuf River. The parking lots within the park aren’t utilized as well as they could be with the space that they take up. The parking lots don’t create community identity within the park. The levees prohibit the community to safely access the Portneuf River.

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NEW SCHEMATIC PLAN

PROGRAM ELEMENTS

WETLANDS AND RIVER

Each program element helps expand the natural features and their influence in Centennial Park. The wetlands are the focal point of the park, providing a natural habitat for the river and landscape. With Centennial Park being the catalyst of the restoration of the Portneuf River, these wetlands in turn engaging the community to warrant further restoration.

CONSTRUCTED WETLANDS

The wetlands are an accessible break in the levee system that expands the influence of the Portneuf River. This helps provide natural habitat for native plants and native animals. This is the beginning of providing access to the river and integrating it as an important natural resource to the community of Pocatello.

WETLAND BOARDWALK AND LOOKOUTS

The boardwalk and lookouts are areas for the community to engage and learn about the wetlands while providing protection for the wetlands. The wetlands are the beginning of restoring the ecological health of the Portneuf River as a whole. These are to be an example of possibilities throughout the entire urban stretch of the Portneuf River.

AMPHITHEATER

The amphitheater is a community space that overlooks the Portneuf River. Here, the community can interact together in a natural environment within the city. This space provides park users with a unique experience and view of the wetlands and city.

COMMUNITY AND EDUCATION

Each program element engages the community and provides the opportunity to learn. The constructed wetlands are a unique opportunity that the charter school can incorporate into their studies. The community can have a hands on experience with a restored natural area along the Portneuf River.

CHARTER SCHOOL OUTDOOR CLASSROOM

The charter school outdoor classroom provides a unique educational opportunity immersed in nature. Here, children can engage in hands on experiences with natural cycles and systems.

EDUCATIONAL SIGNAGE

Throughout the park there will be educational signage to inform visitors and park users about the wetlands and native landscape. This expands the knowledge of local history and natural landscapes.

DROP-OFF AND PICK-UP ZONE

The drop off zone serves the Charter School. This provides a safe space for the children to be dropped off and picked up from school. Additionally, this helps with the flow of traffic during pick-up times, mitigating backup traffic on Arthur. In addition, this space can be used for community activities like a school fair, food trucks, and other local events.

VISITATION AND RECREATION

Each program element is designed to invite and bring local and regional users, especially the unique park sites. Connection to local trail systems, pump track, wetlands, natural playground, and amphitheater together create a unique and diverse park for everyone to enjoy.

CENTENNIAL PARK LOOP

The park loop in Centennial Park provides users with the opportunity to explore the greenway trail and river system close to Centennial Park.

NATURE PLAYGROUND

The nature playground is a unique play environment that engages children in a natural environment. Children create experiences with natural features and gain a relationship with their environment.

PUMP TRACK

The pump track is a community space for users to interact outside and use Centennial Park. Here the community can be active and engage in play with one another.
The grading throughout Centennial Park is designed to be used as an advantage. The levees were moved within the park to allow for a constructed wetland combined with other uses. This provides unique outlooks along the greenway trail for the community to connect to the Porneuf River.

Grading in the natural playground was used as an opportunity for the children. Instead of engaging at one level, the children are able to explore and play in a space that has multiple levels and natural elements.
PLANTING ZONES

WETLAND / RIPARIAN

The re-creation of Portneuf Wetlands will enhance the park's flora and fauna and allow for a variety of trees, shrubs, and grasses to flourish in flooding and drought conditions. The plants included in these zones can handle the fluctuating environment.

ZONE 1A - HIGH INUNDATION

These plants tend to require the largest amount of water on the site. This zone is located near the river's edge and the wetland bottoms. This zone is characterized by native riparian trees and grasses that are locally found along the Portneuf.

ZONE 1B - MEDIUM INUNDATION

These plants require an ample amount of water but are less tolerant to high inundation. This zone is located within the mid-range of the wetlands and along the lower edge of the levee (river-side). This zone is characterized by attractive flowers and plants commonly found in local riparian areas.

ZONE 1C - LOW INUNDATION

These plants need access to water but are the least tolerant to high inundation. This zone is located and the upper reaches of the wetlands. This zone is characterized by flowering trees, shrubs and ground cover.

LEVEE

The Army Corps of Engineers forbids any trees within a 15' buffer from the foot of the levee. As a result, these plants will need to withstand dry conditions and must be low grown to prevent their removal for levee maintenance.

ZONE 2A - MAIN LEVEE

These plants can withstand drought conditions. The zone is located on the levee system throughout the entire site. This zone is characterized by native high-mountain desert plants. These plants are found throughout the entire intermountain west, providing an interesting transition between park space and wetlands.

ZONE 2B - LEVEE GARDEN

These plants are low water, xeriscape flowers and shrubs. This zone is located on the eastern transition between the school parking lot and the levee. This zone is characterized by levee plants as well as plants found in the school garden.

PARKS / GARDENS

Open park areas are found on both the east and the west side of the Portneuf River. These areas are paired with gardens on each side providing a break in the traditional park landscape.

ZONE 3A - OPEN PARK

These plants are commonly found in parks throughout Pocatello and have been found to flourish here in domesticated environments. This zone is located on the east side of the levee and west of the Portneuf River. This zone is characterized by large deciduous and coniferous trees and open turf.

ZONE 3B - SCHOOL GARDEN

These plants together form a botanical garden that can serve as an educational opportunity for students at the Charter School as well as the community. This zone is located on the west side of the school. This zone is characterized by native and non-native flowers and shrubs along with evergreens to provide interest in the winter.

ZONE 3C - PLAYGROUND ROCK GARDEN

These plants will mimic the school garden. This zone is located along the terraced rock walls within the nature play area. This zone is characterized by native and non-native flowers and shrubs.

STREET/PARKING LOT

Providing shade and color within typically barren landscapes such as streets and parking lots is the goal within these zones. These areas are found within and along the sites parking lots and edges that meet with arterial streets.

ZONE 4A - STREET SIDE

These plants provide a consistent continuation of street planting found in Old Town. This zone is located along Arthur Ave and Grant Ave as well as Idaho St, Terry St, and the Legacy Alley. This zone is characterized by iconic flowering trees and open turf.

ZONE 4B - PARKING lots

These plants also provide a consistent continuation of street planting found in Old Town. This zone is located within both parking lots on the east and west ends of the park. This zone is characterized by iconic flowering trees native shrubs and flowers.
WETLAND/RIPARIAN

ZONE 1A - HIGH INUNDATION
THINLEAF ALDER (ALNUS RUSSETTII VAR. THINLEAF)
- native riparian tree
- grows along cottonwood and willows
- red fall colors
- high flood tolerance
- full sun
- 35’x30’ Maturity

ZONE 1B - MEDIUM INUNDATION
WATER BIRCH (BETULA OCCIDENTALIS)
- native tree
- partial sun
- water loving
- 20’x20’ maturity
- attracts birds
- intermediate flood tolerance

ZONE 2A - MAIN LEVEE
IDAHO FESCUE (FESTUCA IDAHOENSIS)
- native grass
- 25’x15’ max
- drought tolerant
- full sun
- 30’x30’ maturity

INDIAN PAINTBRUSH (CUTASIA ANGUSTIFOLIA)
- native flower
- low water
- full sun
- 20’x20’ maturity
- attracts birds

ZONE 2B - LEVEE GARDEN
IDAHO FESCUE (FESTUCA IDAHOENSIS)
- native grass
- 25’x15’ max
- drought tolerant
- full sun
- 30’x30’ maturity

INDIAN PAINTBRUSH (CUTASIA ANGUSTIFOLIA)
- native flower
- low water
- full sun
- 20’x20’ maturity
- attracts birds

WETLAND/RIPARIAN

ZONE 1A - HIGH INUNDATION
AMERICAN DOGWOOD (CORNUS SERICEA)
- native riparian tree
- grows along cottonwood and willows
- red fall colors
- high flood tolerance
- full sun
- 35’x30’ Maturity

ZONE 1B - MEDIUM INUNDATION
BLUEBELLS (MERTENSIA CILIATA)
- native wildflower
- water loving
- native riparian
- flood tolerant
- full sun
- 20’x20’ maturity

ZONE 2A - MAIN LEVEE
PARDONOSA PINE (PINUS PARDONOSA)
- native tree
- drought tolerant
- full sun
- 80’x30’ maturity

WEEPING HOGAN CHERRY (PRUNUS SUBTUBULARIS)
- full sun
- 20’x20’ maturity
- drought tolerant
- attracts butterflies

ZONE 2B - LEVEE GARDEN
PARDONOSA PINE (PINUS PARDONOSA)
- native tree
- drought tolerant
- full sun
- 80’x30’ maturity

WEEPING HOGAN CHERRY (PRUNUS SUBTUBULARIS)
- full sun
- 20’x20’ maturity
- drought tolerant
- attracts butterflies

ZONE 3B - SCHOOL GARDEN
CORNELIAN CHERRY (JUNIPERS SCOPULOSUM)
- native tree
- full sun
- 20’x20’ maturity
- 30’x20’ Maturity
- attracts birds
- keystone species

WILDFLOWER QUAKE (CHERESOCA QUADRANS)
- native wildflower
- water loving
- native riparian
- flood tolerant
- full sun
- 20’x20’ maturity

ZONE 3C - SERVICE GARDEN
CORNELIAN CHERRY (JUNIPERS SCOPULOSUM)
- native tree
- full sun
- 20’x20’ maturity
- 30’x20’ Maturity
- attracts birds
- keystone species

ZONE 4A - STREET SIDE
CALLERY PEAR (Pyrus calleryana)
- street trees in old town
- full sun
- 30’x20’ maturity
- white blossoms

SARGENT CHERRY (Cerasus sargentsii)
- street trees in old town
- full sun
- 30’x20’ maturity
- pink blossoms

SULPHUR BUCKWHEAT (ELEUMNOUS URPIDIFOLIA)
- native flower
- full sun
- 30’x20’ maturity
- attracts butterflies and birds

ZONE 4B - PARKING LOTS
FLOWERING QUINCE (COCHINSUS SP.)
- blooms march-may
- full sun
- 30’x30’ maturity
- attracts butterflies

RUSSIAN SAGE (PEROVSKIA ATRIPLICIFOLIA)
- native wildflower
- water loving
- medium water
- full sun
- 30’x30’ maturity
- attracts butterflies

FLOWERING QUINCE (COCHINSUS SP.)
- blooms march-may
- full sun
- 30’x30’ maturity
- attracts butterflies

ZONE 5 - STREETSIDE/PLACE
RUSSIAN SAGE (PEROVSKIA ATRIPLICIFOLIA)
- native wildflower
- water loving
- medium water
- full sun
- 30’x30’ maturity
- attracts butterflies

FLOWERING QUINCE (COCHINSUS SP.)
- blooms march-may
- full sun
- 30’x30’ maturity
- attracts butterflies

ZONE 6 - CENTRAL PARK
RUSSIAN SAGE (PEROVSKIA ATRIPLICIFOLIA)
- native wildflower
- water loving
- medium water
- full sun
- 30’x30’ maturity
- attracts butterflies

FLOWERING QUINCE (COCHINSUS SP.)
- blooms march-may
- full sun
- 30’x30’ maturity
- attracts butterflies

ZONE 7 - STREET/PARKING
RUSSIAN SAGE (PEROVSKIA ATRIPLICIFOLIA)
- native wildflower
- water loving
- medium water
- full sun
- 30’x30’ maturity
- attracts butterflies

FLOWERING QUINCE (COCHINSUS SP.)
- blooms march-may
- full sun
- 30’x30’ maturity
- attracts butterflies

ZONE 8 - MEDIUM INUNDATION
BUTTERCUP (RANUNCULUS SP.
- native wildflower
- water loving
- yellow and white flowers

ZONE 9 - SERVICE GARDEN
BUTTERCUP (RANUNCULUS SP.
- native wildflower
- water loving
- yellow and white flowers

ZONE 10 - STREET SIDE
BROADLEAF CATTAIL (TYMEMANIS MAJUS)
- native riparian grass
- water loving
- flood tolerant
- full sun
- 30’x30’ Maturity

ZONE 11 - STREET SIDE
WATER WHORLGRASS (SCIRPUS AQUATIS)
- native riparian grass
- water loving
- flood tolerant
- full sun
- 30’x30’ Maturity

ZONE 12 - STREET SIDE
ROUGH BUGLEWEED (Brunneria ASPER)
- native riparian grass
- water loving
- violet flowers

ZONE 13 - STREET SIDE
DISK WATERTHYSOP (BACOPA ROTUNDIFOLIA)
- native riparian plant
- water loving
- white delicate flower

ZONE 14 - STREET SIDE
SULPHUR BUCKWHEAT (ELEUMNOUS URPIDIFOLIA)
- native wildflower
- water loving
- medium water
- full sun
- 30’x30’ maturity
- attracts butterflies

FLOWERING QUINCE (COCHINSUS SP.)
- blooms march-may
- full sun
- 30’x30’ maturity
- attracts butterflies

FLOWERING QUINCE (COCHINSUS SP.)
- blooms march-may
- full sun
- 30’x30’ maturity
- attracts butterflies

ZONE 15 - STREET SIDE
RUSSIAN SAGE (PEROVSKIA ATRIPLICIFOLIA)
- native wildflower
- water loving
- medium water
- full sun
- 30’x30’ maturity
- attracts butterflies

FLOWERING QUINCE (COCHINSUS SP.)
- blooms march-may
- full sun
- 30’x30’ maturity
- attracts butterflies

ZONE 16 - STREET SIDE
RUSSIAN SAGE (PEROVSKIA ATRIPLICIFOLIA)
- native wildflower
- water loving
- medium water
- full sun
- 30’x30’ maturity
- attracts butterflies
WETLANDS/AMPHITHEATER/EAST ENTRANCE ENLARGEMENT

WETLAND ISLAND - NORMAL FLOW
LOOKING SOUTH

WETLAND ISLAND - HIGH FLOW
LOOKING SOUTH

SECTION LOCATIONS