DELTA GATEWAY RIVERFRONT PRELIMINARY PLANNING AND ENGINEERING PROJECT
DELTA, CO
JUNE 27, 2016
PRELIMINARY DESIGN DRAWINGS

CONTACTS

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City of Delta
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RiverRestoration.org, LLC.
(970)-347-9568

LOCATION MAP

VICINITY MAP

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<td>PLANTING DETAILS</td>
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PLANTING LIST:

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<th>EC03</th>
<th>EC04</th>
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EROSION CONTROL /CARE OF WATER DETAILS:

| E.C AND C.O.W. - WHITEWATER PARK 1 |
| E.C AND C.O.W. - US HWY 50 UNDERPASS |
| E.C AND C.O.W. - GRAVEL DEPOSIT REMOVAL |
| E.C AND C.O.W. - CHANNEL REALIGN 1 |
| E.C AND C.O.W. - CHANNEL REALIGN 2 |
| E.C AND C.O.W. - WHITEWATER PARK 2 |
| E.C AND C.O.W. - BOAT LAUNCH |

River Restoration
P.O. Box 248
Carbondale, CO 81623
www.RiverRestoration.org
- See EC01-EC07 for Erosion Control and Care of Water Plan
- See L01-L06 for Planting Plan
Converting existing structure to overlook w/ benches and accessible ramp.

Dumpster/utility enclosure.

Concrete underpass 10’ x 8’ (See sheet D05).

Widen existing sidewalk (See Sheet D05) - 6’.

Seven lift station walls and enhanced with mural.

Play area.

Native wetland species enhancement (See L sheets).

Noxious species management (See L sheets).

Remove gravel deposit.

Beach area w/hydrant access points (See Detail Sheet D05).

Shelstone stops.

Riverfront development.

45’ x 6’ pedestrian bridge over Boro Ponds ditch return. (See manufacturers cut sheets for details).

22’ shared use path - 11’ paved, 11’ red shade canopy (See Detail Sheet D05).

200’ pedestrian walking path.

Stormwater treatment facilities (See Detail Sheet D05).

Riparian restoration/bluff - 15’.

40’ x 6’ pedestrian bridge over Boro Ponds ditch return.

Nature trails (See Detail Sheet D05).

Riverfront development.

Riverfront plaza.

Delta Gateway Riverfront.

Gunnison River.

Delta, CO 81416.

City of Delta.
360 Main Street.
Delta, CO 81416.
(970) 874-7566.

River Restoration.
P.O. Box 248.
Carbondale, CO 81623.

JUNE 27, 2016.

SCALE: 1” = 100’ (FULL SIZE).

SEE SHEET C3.

SEE SHEET C1.
SEE SHEET C5

- 22" Shared Use Path - 11" paved, 11' Red Shale Dust (See Detail, Sheet D01)
- 11' Red Shale Dust Trail
  Connection to Existing Road (See Detail, Sheet D01)
- Circulation Alternative #1
  6' pathway along H5 Lane
- Circulation Alternative #2
  22' Trail along River (See Detail, Sheet D01)
- Accessible ramp
  (See Detail, Sheet D01)
- Welcome Center
- Revegetation and bank stabilization
- Non-invasive Species Management
  (See L Sheets)
- Bike Access
- One Way Traffic
- Vehicular Access
- Safe Water Crossing
- Bridge w/ Viewing Platform
- Visitor Center
- Accessible ramp
  (See Detail, Sheet D01)
- Visitor Center
- Vehicular Access
- Shuttle

Delta Gateway Riverfront
Delta, CO 81416
City of Delta
360 Main Street
Delta, CO 81416
(970) 874-7566

JUNE 27, 2016

PRELIMINARY DELTA GATEWAY RIVERFRONT
PRELIMINARY PLANNING AND ENGINEERING
PLAN VIEW
1"=100' (FULL SIZE)
N
Feet
1:1200
200 100 0
50

SEE SHEET C3
SEE SHEET C5

ATV/UTV access via
1675 Rd. Widening

- Beginner/Intermediate Whitewater Feature #3
  (See Sheet C10 for Details)
- Shoulder Bank Terracing w/ Viewing Area
  and Seating (See Sheet C10)
- Parking
- Fence w/ Gate
NOTE: STAKES SHOULD BE PLACED RANDOMLY AT A RATE OF 2 HOLES PER SQUARE YARD. INSTALL 3 LIVE STAKES (WHERE POSSIBLE) PER HOLE.

STAKES TO BE PLACED INTO GROUND PERPENDICULAR TO THE SLOPE IN A PRE-DRILLED PILOT HOLE

UNDISTURBED SOIL - DIG PIT TO PROPER DEPTH. IF OVEREXCAVATION OCCURS RE-ESTABLISH DESIRED ELEVATION WITH 95% COMPACTED FILL.

UNDISTURBED SOIL - DIG PIT TO PROPER DEPTH. IF OVEREXCAVATION OCCURS RE-ESTABLISH DESIRED ELEVATION WITH 95% COMPACTED FILL.

TRUNK OF TREE

WATER TABLE

UNDISTURBED SUBGRADE

ROPES @ TOP OF BALL SHALL BE CUT. REMOVE TOP 1/3 OF BURLAP. REMOVE TOP 1/3 OF BASKET & ALL TWINE.

3" MAX SAUCER (MAX.) FIRMLY FORMED SAUCER (USE TOPSOIL). ANGLE OF REPOSE VARIES WITH STEEPNESS OF SLOPE AND SOIL TYPE (WHERE DIRECTED ONLY).

BACKFILL WITH TOPSOIL AND WET THOROUGHLY TO REMOVE AIR POCKETS. ADD SLOW RELEASE GRANULAR FERTILIZER. REFER TO OGDEN RIVER RESTORATION SPECIFICATIONS.

ROUGHEN SIDES OF PIT.

CORNER OF ROOT SYSTEM TO BE AT LINE OF PROPOSED GRADE

RIPED DIRT OUTSIDE OF EDGE OF ROOT BALL INTO UNDISTURBED SUBGRADE.

1" BIODEGRADABLE STRAP AROUND TREE TRUNK AND FEED WIRE LINE THROUGH GROMMETS AND ATTACH TO POST

MIN. 2"x2"x7" HARDWOOD STAKES OR OTHER APPROVED STAKE MATERIAL. STAKE TO BE DRIVEN OUTSIDE OF EDGE OF ROOT BALL INTO UNDISTURBED SUBGRADE.

WILDLIFE FENCING; REFER TO SPECIFICATIONS

2X BALL DIA. MIN.

2X BALL DIA. MIN.

DECIDUOUS TREE PLANTING

SCALE: 1/4" = 1'-0"

3" MAX SAUCER (MIN.) FIRMLY FORMED SAUCER (USE TOPSOIL). ANGLE OF REPOSE VARIES WITH STEEPNESS OF SLOPE AND SOIL TYPE (WHERE DIRECTED ONLY).

BACKFILL WITH TOPSOIL AND WET THOROUGHLY TO REMOVE AIR POCKETS. ADD SLOW RELEASE GRANULAR FERTILIZER. REFER TO OGDEN RIVER RESTORATION SPECIFICATIONS.

ROUGHEN SIDES OF PIT.

CORNER OF ROOT SYSTEM TO BE AT LINE OF PROPOSED GRADE

RIPED DIRT OUTSIDE OF EDGE OF ROOT BALL INTO UNDISTURBED SUBGRADE.

2X BALL DIA. MIN.

SHRUB PLANTING

SCALE: 1/2" = 1'-0"

SHRUB PLANTING

SCALE: 1/2" = 1'-0"

POLE STAKING

EVERGREEN TREE PLANTING

SCALE: 1/2" = 1'-0"

POLE STAKING

EVERGREEN TREE PLANTING

SCALE: 1/2" = 1'-0"
<table>
<thead>
<tr>
<th>Plant Name</th>
<th>Scientific Name</th>
<th>Common Name</th>
<th>Plant Type</th>
<th>Growth Rate</th>
<th>Mature Height</th>
<th>Mature Spread</th>
<th>Color</th>
<th>Bloom Season</th>
<th>Other Notes</th>
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</thead>
<tbody>
<tr>
<td>Acer rubrum</td>
<td>Acer rubrum</td>
<td>Red Maple</td>
<td>Deciduous</td>
<td>Moderate</td>
<td>20-30 ft</td>
<td>20-30 ft</td>
<td>Green</td>
<td>Spring</td>
<td>Deciduous</td>
</tr>
<tr>
<td>Acer saccharum</td>
<td>Acer saccharum</td>
<td>Sugar Maple</td>
<td>Deciduous</td>
<td>Moderate</td>
<td>30-40 ft</td>
<td>30-40 ft</td>
<td>Green</td>
<td>Spring</td>
<td>Deciduous</td>
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<tr>
<td>Betula lenta</td>
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<td>Silver Maple</td>
<td>Deciduous</td>
<td>Slow</td>
<td>15-20 ft</td>
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<td>Green</td>
<td>Spring</td>
<td>Deciduous</td>
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<td>Carpinus caroliniana</td>
<td>Carpinus caroliniana</td>
<td>White Birch</td>
<td>Deciduous</td>
<td>Moderate</td>
<td>20-30 ft</td>
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<td>Spring</td>
<td>Deciduous</td>
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<tr>
<td>Crataegus oxyacantha</td>
<td>Crataegus oxyacantha</td>
<td>Red Hawthorn</td>
<td>Deciduous</td>
<td>Slow</td>
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<td>10-15 ft</td>
<td>Green</td>
<td>Spring</td>
<td>Deciduous</td>
</tr>
<tr>
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<td>Fraxinus griffithii</td>
<td>Mississippi Elm</td>
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<td>Moderate</td>
<td>30-40 ft</td>
<td>30-40 ft</td>
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<td>Spring</td>
<td>Deciduous</td>
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<tr>
<td>Ilex opaca</td>
<td>Ilex opaca</td>
<td>American Holly</td>
<td>Evergreen</td>
<td>Slow</td>
<td>10-15 ft</td>
<td>10-15 ft</td>
<td>Green</td>
<td>Spring</td>
<td>Evergreen</td>
</tr>
<tr>
<td>Magnolia grandiflora</td>
<td>Magnolia grandiflora</td>
<td>Southern Magnolia</td>
<td>Deciduous</td>
<td>Moderate</td>
<td>30-40 ft</td>
<td>30-40 ft</td>
<td>Green</td>
<td>Spring</td>
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<td>Quercus rubra</td>
<td>Red Oak</td>
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<td>40-50 ft</td>
<td>Green</td>
<td>Spring</td>
<td>Deciduous</td>
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</tbody>
</table>

*Preliminary Design - Not for Construction*