



# CITY OF CASHMERE CASHMERE BOAT RAMP

MARCH 2026



RECREATION ENGINEERING  
AND PLANNING  
485 ARAPAHOE AVE.  
BOULDER, CO 80302  
WWW.BOATERPARKS.COM

**PROJECT OWNER:**

|  |  |
|--|--|
| <b>CHELAN COUNTY</b><br>411 WASHINGTON ST. SUITE 201<br>WENATCHEE, WA 98801<br>PROJECT MANAGER: ERIN MCKAY | <b>CITY OF CASHMERE</b><br>101 WOODRING ST<br>CASHMERE, WA 98815<br>PROJECT MANAGER: STEVE CROCI |
|--|--|

**PROJECT LOCATION:**

LATITUDE: 47° 31' 29" N  
LONGITUDE: 120° 27' 60" W  
SW 1/4 SECTION 33, TOWNSHIP 24 NORTH, RANGE 19 EAST  
CHELAN COUNTY, WASHINGTON

**DESIGN TEAM:**  
CIVIL ENGINEERING

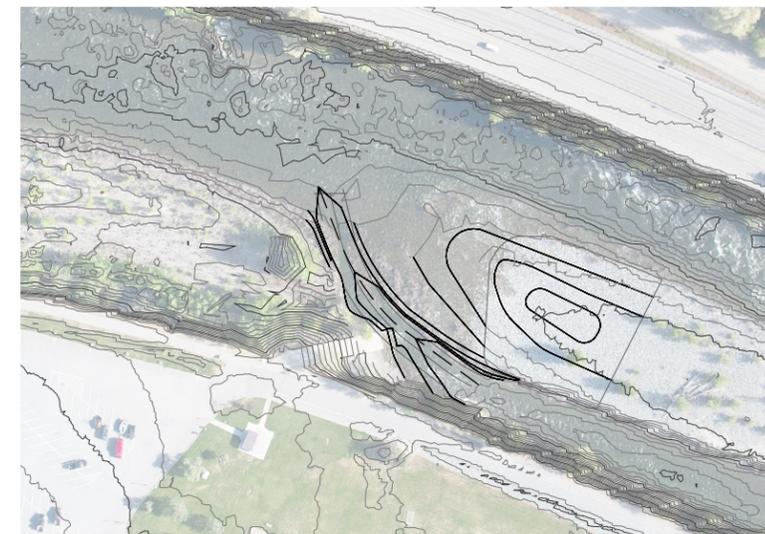


RECREATION ENGINEERING AND PLANNING  
485 ARAPAHOE AVE.  
BOULDER, CO 80302  
PROJECT MANAGER: MASON LACY, PE



VICINITY MAP

SCALE: 1"=3000' (FOR 22X34" SHEETS)



SITE PLAN

SCALE: 1"=200' (FOR 22X34" SHEETS)



**SHEET INDEX:**

| SHEET NUMBER | SHEET TITLE             |
|--------------|-------------------------|
| 1            | COVER                   |
| 2            | PRE-EXISTING CONDITIONS |
| 3            | EXISTING CONDITIONS     |
| 4            | DESIGN PLAN             |
| 5            | WATER CONTROL & ACCESS  |
| 6            | PROFILE & SECTION       |

**LEGEND:**

|                         |  |
|-------------------------|--|
| EXISTING CONTOURS       |  |
| PROPOSED CONTOURS       |  |
| BOULDER TERRACING       |  |
| NEW CONCRETE            |  |
| STONE RIPRAP            |  |
| SAND                    |  |
| NEW VEGETATION          |  |
| STAGING AREA            |  |
| DEMOLITION              |  |
| PROTECT EXISTING        |  |
| STRUCTURAL FILL         |  |
| PARKING LOT SURFACING   |  |
| SHEET PILE              |  |
| THALWEG                 |  |
| OHWM                    |  |
| COFFERDAM               |  |
| EXISTING GROUND SURFACE |  |

**ABBREVIATIONS:**

|      |                          |
|------|--------------------------|
| AVG  | AVERAGE                  |
| DTL  | DETAIL                   |
| E    | EAST                     |
| ELEV | ELEVATION                |
| FT   | FEET                     |
| IN   | INCHES                   |
| MAX  | MAXIMUM                  |
| MIN  | MINIMUM                  |
| N    | NORTH                    |
| NTS  | NOT TO SCALE             |
| OC   | ON CENTER                |
| OHWM | ORDINARY HIGH WATER MARK |
| SHT  | SHEET                    |
| STA  | STATION                  |
| STD  | STANDARD                 |
| TYP  | TYPICAL                  |

**DRAFT**

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CASHMERE BOAT RAMP  
WENATCHEE RIVER  
CASHMERE WASHINGTON  
PRELIMINARY  
COVER

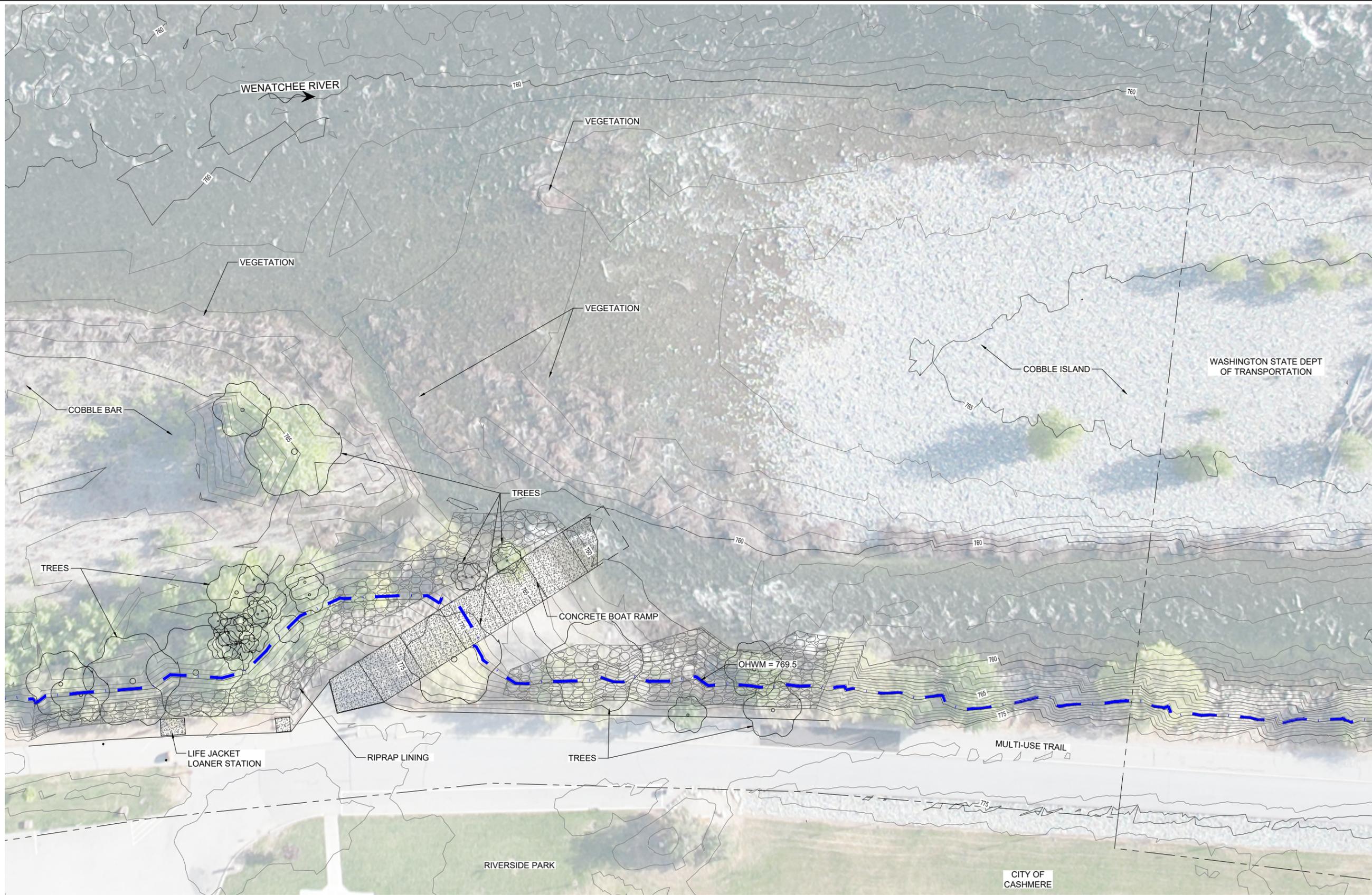
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CHECKED: MRL  
PLOT DATE: 3/18/2026

DRAWING NO.  
**1**  
SHEET 1 OF 6





**PRE-EXISTING CONDITIONS (PRIOR TO FLOOD EVENT)**

**NOTES:**

1. ELEVATIONS FROM TOPOBATHYMETRIC LIDAR COLLECTED AS PART OF THE LOWER WENATCHEE RIVER ASSESSMENT AND SITE TOPOGRAPHIC SURVEY.
2. TOPOGRAPHIC SURVEY COMPLETED BY CHELAN COUNTY STAFF AUGUST 2024. VERTICAL DATUM: NAVD88 HORIZONTAL DATUM: NAD 83
3. AERIAL IMAGERY FROM MAVIC AIR II FLIGHT APRIL 30, 2024.
4. PROPERTY BOUNDARY DATA FROM CHELAN COUNTY GIS.
5. OHWM ELEVATION ESTIMATED BASED ON ON-SITE OBSERVATIONS AND SELECTED TO BE CONSERVATIVELY HIGH.



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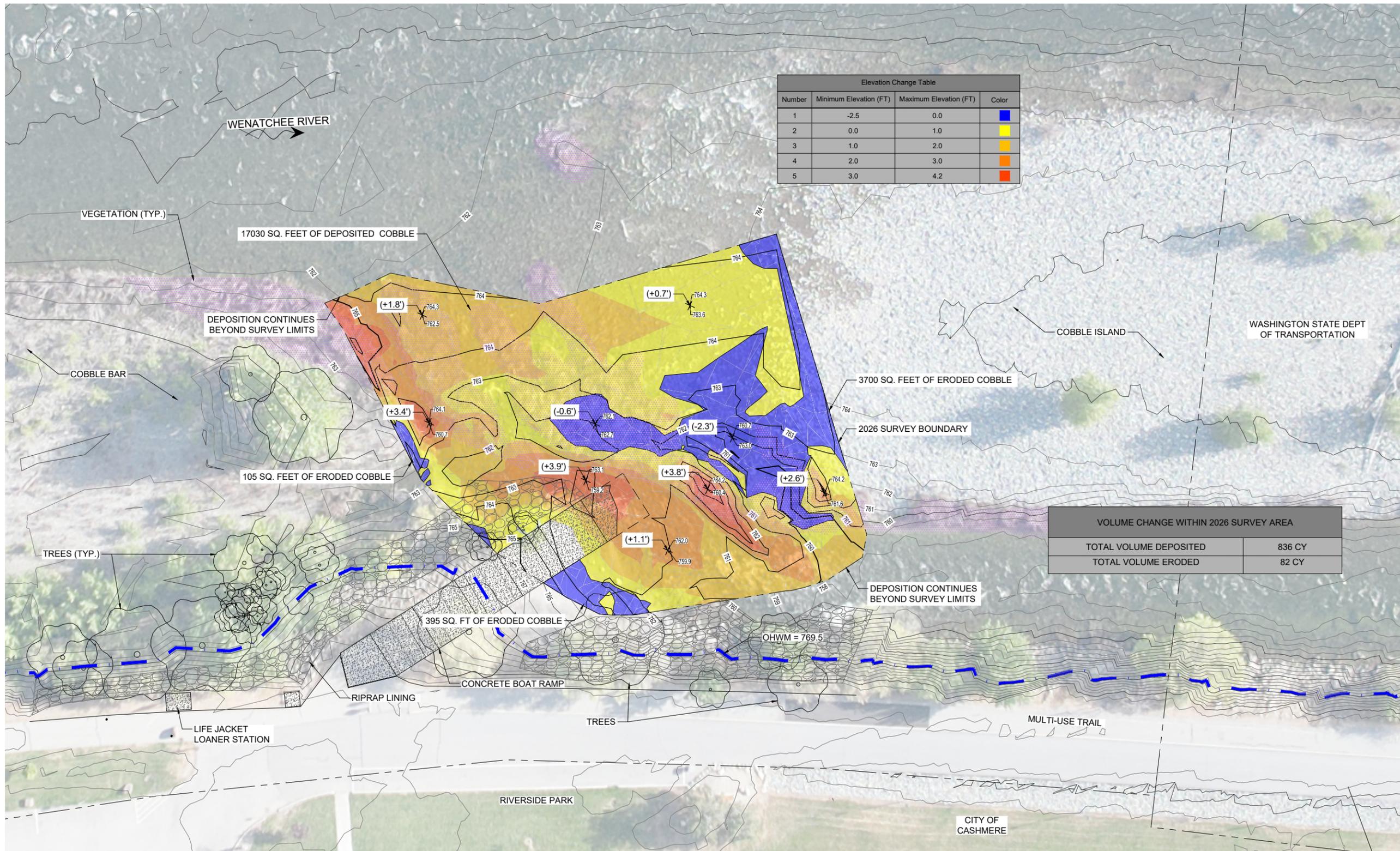
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CASHMERE BOAT RAMP  
WENATCHEE RIVER CASHMERE WASHINGTON  
PRELIMINARY  
PRE-EXISTING CONDITIONS

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**2**  
SHEET 2 OF 6



| Elevation Change Table |                        |                        |          |
|------------------------|------------------------|------------------------|----------|
| Number                 | Minimum Elevation (FT) | Maximum Elevation (FT) | Color    |
| 1                      | -2.5                   | 0.0                    | Blue     |
| 2                      | 0.0                    | 1.0                    | Yellow   |
| 3                      | 1.0                    | 2.0                    | Orange   |
| 4                      | 2.0                    | 3.0                    | Red      |
| 5                      | 3.0                    | 4.2                    | Dark Red |

| VOLUME CHANGE WITHIN 2026 SURVEY AREA |        |
|---------------------------------------|--------|
| TOTAL VOLUME DEPOSITED                | 836 CY |
| TOTAL VOLUME ERODED                   | 82 CY  |

**POST-FLOOD EXISTING CONDITIONS PLAN**

- NOTES:
- TOPOGRAPHIC SURVEY WITHIN COLORED AREA COMPLETED BY CHELAN COUNTY STAFF FEBRUARY 2026. VERTICAL DATUM: NAVD88 HORIZONTAL DATUM: NAD 83
  - MATERIAL VOLUMES WERE CALCULATED BY COMPARING TOPOGRAPHY COLLECTED IN AUGUST 2024 TO TOPOGRAPHY COLLECTED IN FEBRUARY 2026.
  - MATERIAL VOLUMES ONLY ENCOMPASS THE AREA COVERED BY THE 2026 SURVEY.
  - AERIAL IMAGERY FROM MAVIC AIR II FLIGHT APRIL 30, 2024.



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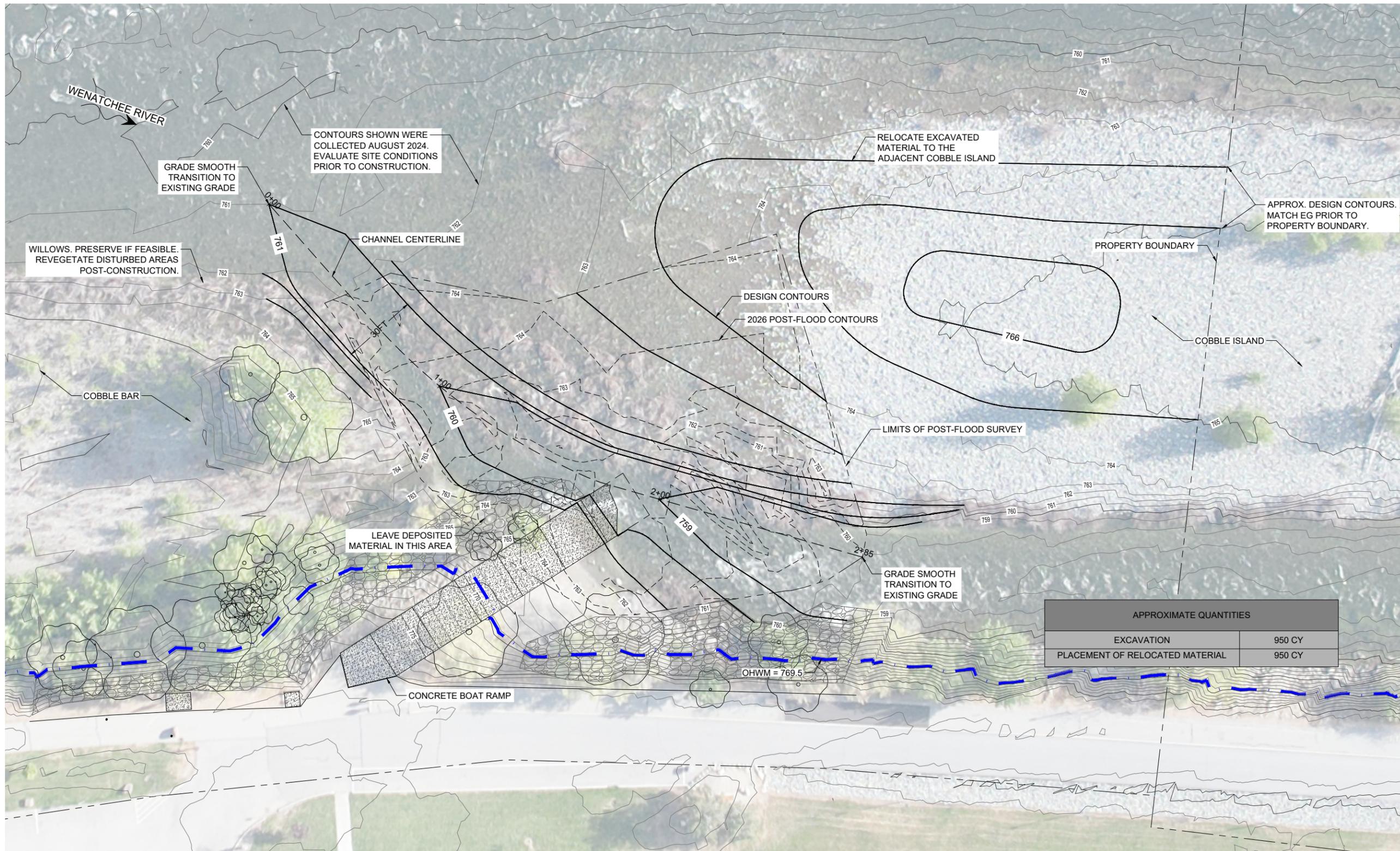
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CASHMERE WASHINGTON  
PRELIMINARY  
EXISTING CONDITIONS

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DRAWING NO.  
**3**  
SHEET 3 OF 6



**POST-FLOOD DESIGN PLAN**

- NOTES:
1. ALL EXCAVATED MATERIAL TO BE RE-USED ON SITE.
  2. APPROXIMATE DIMENSIONS OF THE NEW CHANNEL TO HAVE 30FT BOTTOM WIDTH, 2:1 SIDE SLOPES, AND 1% LONGITUDINAL SLOPE



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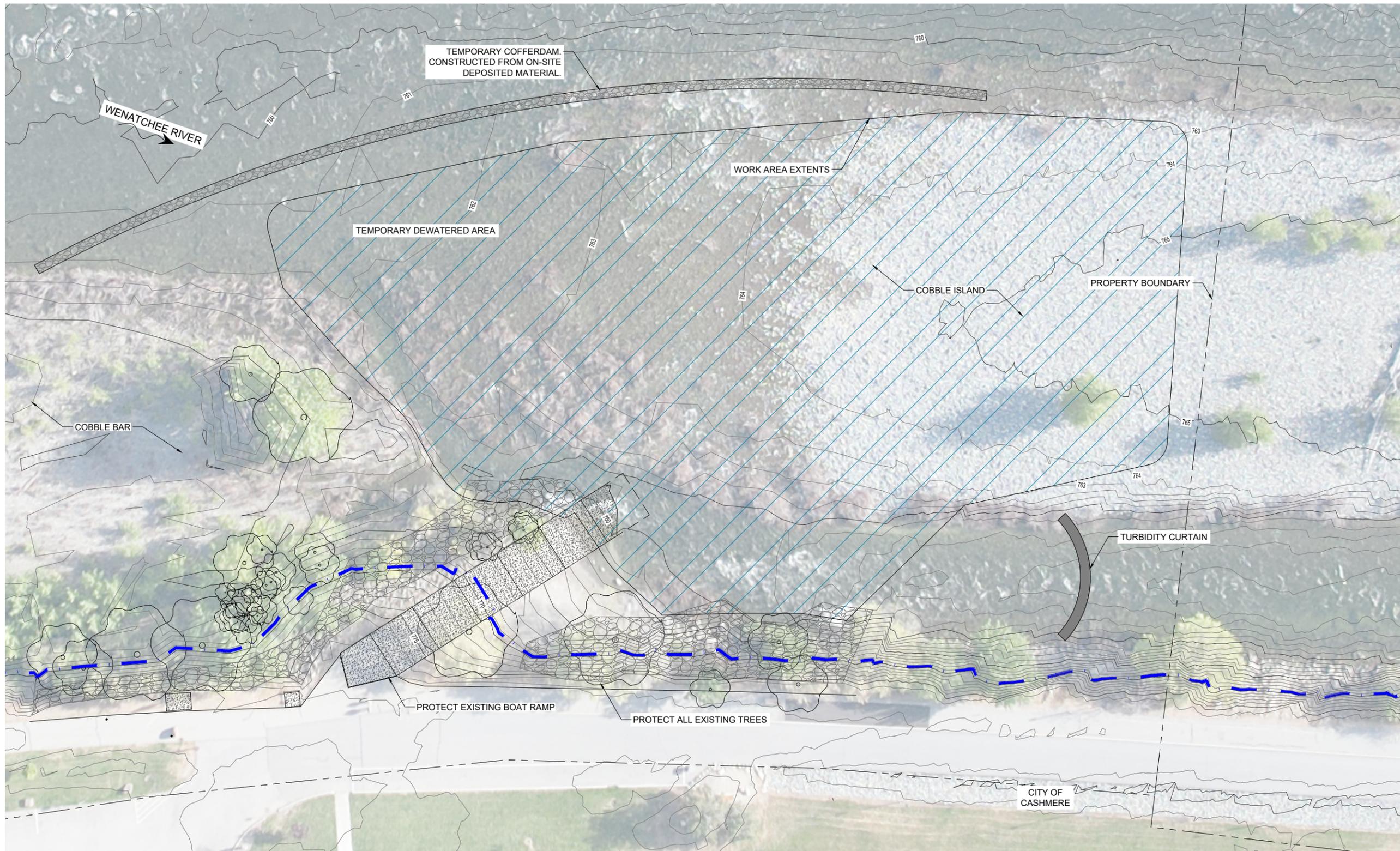
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 PRELIMINARY DESIGN PLAN

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**4**  
 SHEET 4 OF 6



**WATER CONTROL & ACCESS**



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PRELIMINARY

WATER CONTROL & ACCESS

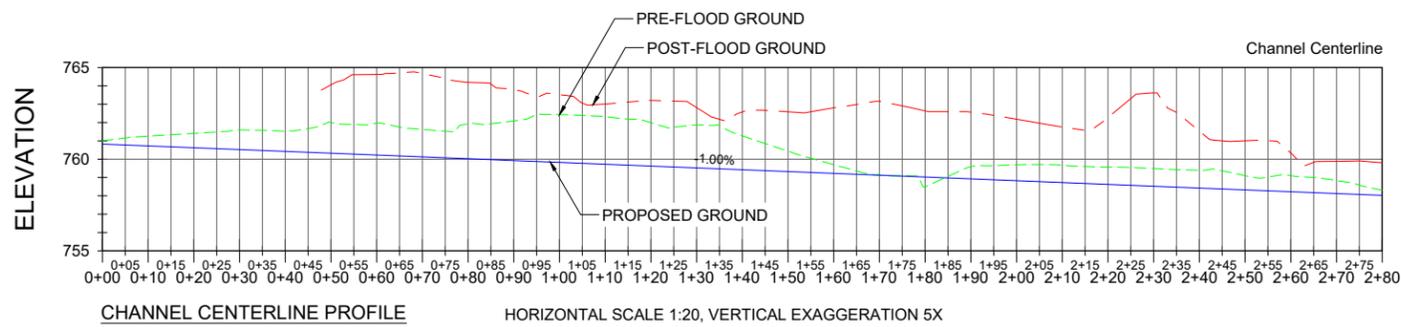
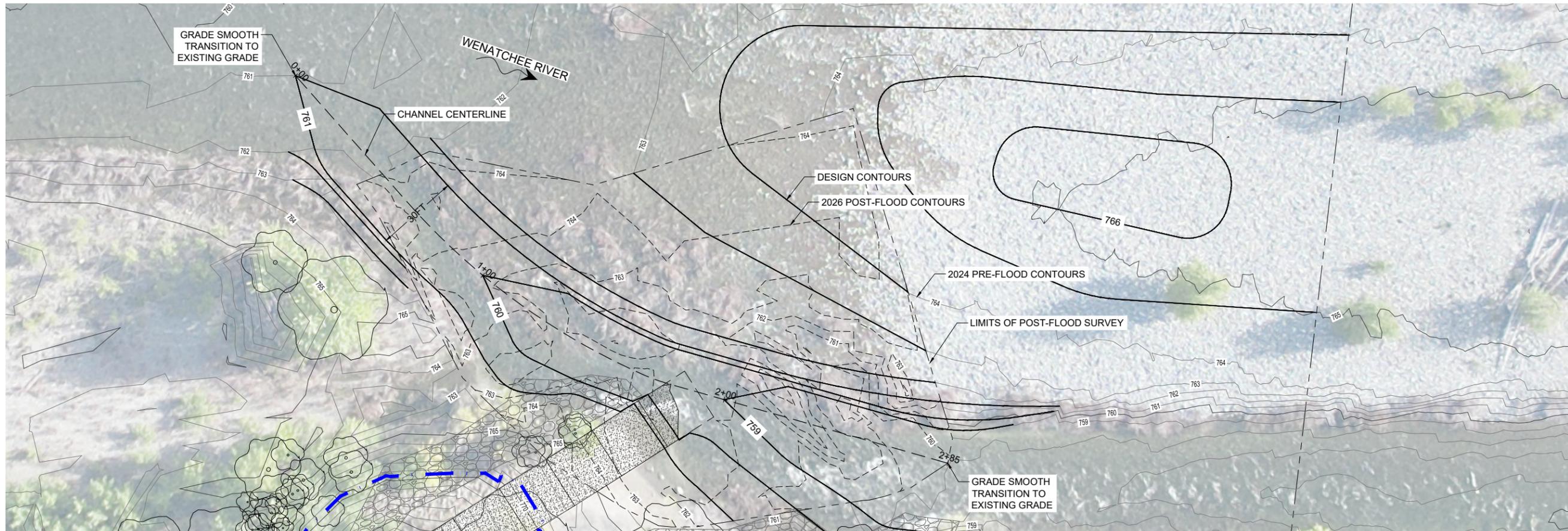
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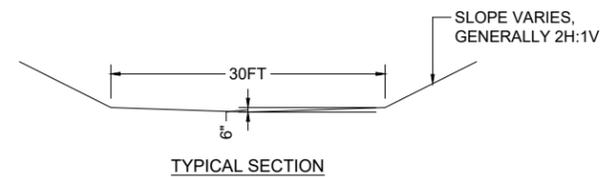
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**PROFILE & SECTION**



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