HAT CREEK RESTORATION PROJECT

60% DESIGN SUBMITTAL

GENERAL NOTES

1. SHEET SIZE: 11" x 17";
2. SHEET TITLE: "HAT CREEK RESTORATION PROJECT - 60% DESIGN SUBMITTAL"
3. SHEET NUMBER: 1 of 9
4. SHEET SCALE: 1" = 100'
5. SHEET DATED: 05/2023
6. SHEET PREPARED BY: WATERWAYS CONSULTING INC.
7. SHEET DRAWN BY: TRAVIS J. HAMMOND

ABBREVIATIONS

- APR: Approximate
- B/C: Bridge/Channel
- C/S: Cut/Soil
- D/S: Ditch/Swale
- E/E: Elevation/Elevation
- F/S: Floodplain/Soil
- G/S: Grade/Slope
- H/C: Highway/Channel
- L/C: Line/Cross
- N/C: Night/Cloud
- O/C: Office/Cross
- P/C: Pipe/Channel
- R/C: River/Channel
- S/C: Stream/Channel
- T/C: Tunnel/Channel
- V/C: Valley/Channel

SECTION AND DETAIL CONVENTION

- SECTION: 1/2" = 100'
- DETAIL: 1/2" = 100'

PROJECT LOCATION

REGIONAL MAP

NOTES:

- All dimensions are approximate and should be verified by survey.
- All areas and distances should be measured on the ground after the survey is completed.
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LOG STRUCTURE NOTES:
1. Log structure ammounts shall be ballasted with a factor of safety of 1.2 when the structure is fully submerged.
2. Log structure shall consist of two class 1 logs, two class 2 logs, and two ballast bouquets.
3. Class 1 logs shall be placed with their root ends entirely above the low water elevation. The arrangement of the log placement is shown in the plan view and elevation.
4. Class 2 logs shall be placed with root ends above the class 1 logs and pinned at the root end of the log.
5. Log class 1 logs shall support a maximum of one class 2 log.
6. Stability calculations are as follows:
   a. Log stability must be checked to be the original depth of 100 feet, 200 feet, 300 feet, and 400 feet, respectively.
   b. Class 1 logs shall be placed at a diameter of 2.0 feet at the root to 10 inches at the end.
   c. Class 2 logs shall be placed at a diameter of 7.5 feet at the root to 10 inches at the end.
7. Material Specifications:
   a. Log class 1 shall be sound and free of decay with a maximum length of 300 feet, 500 feet, and 750 feet.
   b. Class 2 logs shall be sound and free of decay with a maximum length of 18 inches, 20 inches, and 25 inches.
   c. Ballast bouquets shall have a minimum weight of 5 tons.