GENERAL NOTES

1. THESE PLANS HAVE BEEN PREPARED FOR THE EXCLUSIVE USE OF THE COMITZ INDIAN TRAIL CORPORATION REFERRED TO AS "CONTRACTOR," "CONTRACTING ENTITY," OR "CONTRACT REPRESENTATIVE," AND THEIR AUTHORIZED AGENTS.

2. NATURAL SYSTEMS DESIGN, HEREAFTER REFERRED TO AS "ENGINEER," IS RESPONSIBLE FOR THE PREPARATION OF THESE SPECIFIC PLANS AND ASSOCIATED SPECIFICATIONS, AND WILL NOT BE RESPONSIBLE FOR OR LIABLE FOR, UNAUTHORIZED CHANGES OR USES OF THESE PLANS WHICH INCLUDES ALTERATION, ELISION, OR ERASING OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION FROM THE ENGINEER. ANY OTHER UNAUTHORIZED USE OF THIS DOCUMENT IS PROHIBITED.

3. THE LOCATION OF ALL PROPOSED FEATURES SHOWN IS APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN THE FIELD BY THE ENGINEER OR CONTRACT REPRESENTATIVE PRIOR TO CONSTRUCTION.

4. THE LOCATION OF ALL TEMPORARY FEATURES SHOWN IS APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN THE FIELD BY THE CONTRACTOR OR CONTRACT REPRESENTATIVE PRIOR TO CONSTRUCTION.

PERMIT NOTES

1. THE CONTRACTOR SHALL CONDUCT THE ACTIVITIES SHOWN IN THESE PLANS IN A MANNER THAT MINIMIZES THE ADVERSE IMPACT ON WATER QUALITY, FISH AND WILDLIFE, AND THE NATURAL ENVIRONMENT.

2. ALL WORK SHALL BE IN COMPLIANCE WITH PERMIT CONDITIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE COPIES OF ALL PERMITS ON THE JOB SITE, UNDERSTAND AND COMPLY WITH ALL PERMIT CONDITIONS.

3. IF AT ANY TIME THERE ARE DIFFERENCES BETWEEN DYES, A FISH KILL OCCURS, OR WATER QUALITY PROBLEMS DEVELOP (INCLUDING EQUIPMENT LEAKS OR SPILLS), OPERATIONS SHALL CEASE AND THE OWNER SHALL BE NOTIFIED IMMEDIATELY.

4. AVOID AND MINIMIZE ADVERSE IMPACTS TO WATERS OF THE UNITED STATES, INCLUDING MAINTAINING THE NUMBER, LOCATION, AND EXTENT OF WORK BELOW ORDINARY HIGH WATER AND EQUIPMENT CROSSINGS OF WETTED CHANNELS.

5. IF, DURING CONSTRUCTION, ARCHAEOLOGICAL REMAINS ARE ENCOUNTERED, CONSTRUCTION IN THE VICINITY SHALL BE HALTED, AND THE STATE OFFICE OF HISTORIC PRESERVATION AND THE OWNER SHALL BE NOTIFIED IMMEDIATELY.

SURVEY NOTES

1. SURVEY/LAND FOR THIS PROJECT WAS COLLECTED IN 2019 AND IS REPRESENTATIVE OF 2019 CONDITIONS. THE VERTICAL DATUM IS NAVD88 AT THE HORIZONTAL DATUM IS NAVD88 WASHINGTON STATE PLANE SOUTH AND THE UNITS ARE US SURVEY FEET.

2. GATES, FENCING, AND UTILITIES WERE NOT SURVEYED. CONTRACTOR TO VERIFY IN FIELD.

3. PARCEL BOUNDARIES ARE FROM LEWIS COUNTY ONLINE DATABASE AND WERE NOT SURVEYED.

4. AERIAL MAPPING WAS COLLECTED IN 2022.

CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY.

2. CONSTRUCTION HOURS SHALL BE MIDDAY BETWEEN 7:00 A.M. AND 6:30 P.M. UNLESS PRIOR APPROVAL IS RECEIVED FROM THE OWNER.

3. ANY DISRUPTIONS ARE TO BE DEDUCTED TO THE ATTENTION OF THE OWNER PRIOR TO PROCEEDING WITH THE WORK.

4. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, VEGETATION, AND IMPROVEMENTS NOT DESIGNATED FOR REMOVAL.

5. THE CONTRACTOR SHALL KEEP THE JOBSITE CLEAN AND HAZARD FREE.

6. THE CONTRACTOR SHALL ENSURE ALL ORT, DEbris, AND RUBBISH GENERATED BY THE WORK, UNLESS COMMISSION OR SUBMITTED AGRICULTURAL Equipment NOT SPECIFIED AS REMAINING ON THE PROPERTY.

7. NO TREES OR VEGETATION SHALL BE REMOVED UNLESS NEGOTIATED ON THE PLANS OR SPECIFIED ON-SITE BY THE OWNER OR THE ENGINEER. NO CHANGING SHALL TAKE PLACE WITHIN THE DRY LINE BY TRANSPLANTING TO BE REMOVED UNLESS OTHERWISE AGREED.

8. THE CONTRACTOR SHALL MAINTAIN A SET OF PLANS ON THE JOB SHOWING "AS-CONSTRUCTED" CHANGES MADE TO DATE. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL SUPPLY TO OWNER A SET OF PLANS, MARKED UP TO THE SATISFACTION OF THE OWNER, RELECTING THE AS-CONSTRUCTED MODIFICATIONS.
1. Based on channel conditions in November of 2023 (approx. 430 cfs), it is possible that Els 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, and Sc-7 can be isolated for construction of a horizontal diversion structure. Flow can likely be directed from the 129-channel system into existing side channels and flow paths to the tributaries.

2. Water control structures comprising side channels requires defining and flow isolation from those areas.

GENERAL NOTE
1. The contractor shall prepare a temporary water diversion and management (TMDM) plan for the diversion of water flow during construction. The TMDM Plan must show the diversion scheme on this sheet is conceptual and based on channel conditions in November of 2022 (approx. 430 cfs).
2. See Sheet 15 for typical examples of TMDM, select management practices (SMPs). Contractor to determine actual SMPs to be used and outline in TMDM plan.
3. The owner will define isolated work areas. Contractor must site notice and coordinate with the owner for determining that the project specifications.
4. The contractor's TMDM Plan shall reflect current channel conditions and anticipated flow during the water construction window.
5. Alternatives (e.g., Temporary Diversion Pumps) are not shown. The contractor's TMDM Plan shall include alternate EIs/locations if they are authorized for construction by the owner.
NOTES:

1. Final locations and target elevations for each structure will be stipulated to the engineer, locations and elevations based on field conditions at time of construction.

2. The contractor shall determine the excavated limits to maintain a safe excavation in order to install the structure. Excavation should be staged according to the permit requirements.

3. Approximately 2,000 cubic yards (in-situ) of excavation to reach structure bottom elevation and for footing post installation will be needed. Per structure quantity will vary based on the contractor-designed excavation equipment and the final location and elevation of each ELJ tower. The engineer will require staged off-site all excavated material will be temporarily stockpiled during footing post and log installation, and then replaced within the ELJ footprints as backfill.

4. Final grading of backfill areas is to be determined in the field by the engineer.


CISPUK-YELLOWJACKET
RESTORATION PHASE 3
APEX ELJ TARGET ELEVATIONS
LAYER 3

STRUCTURE TOP EL
TALUS SC

structures BOTTOM EL
POST BOTTOM EL

FLOW

LAYER 4

BACKFILL TO TOP OF LAYER 4
W/ NATIVE MATERIAL

WIRE ROPE LACING
WIRE ROPE LACING

FLOW

SEE SHEET 8 FOR ELEVATION DETAILS

CISPUS-YELLOWJACKET
RESTORATION PHASE 3
APEX ELJ LAYER 3-4
CISBUS-YELLOWJACKET
RESTORATION PHASE 3
APX ELJ LAYE 5-6

FLOW

LAYER 5
LAYER 6

FLOW

SEE SHEET 8 FOR ELEVATION DETAILS

STRUCTURE TOP EL

TALUS E

12'-15'

POST BOTTOM EL

RACKFILL CORE OF STRUCTURE
NOTES:

1. TIMBER PILES TO BE ANGLED AS DIRECTED BY ENGINEER.
2. LOCATIONS AND DIRECTION OF TIMBER PILES TO BE DIRECTED BY ENGINEER.
3. TIMBER PILE SHALL BE 1 1/2" BUT DIAMETER X 25' LONG. AN EXAMINER-APPROVED VARIATION MINIMUM OF THE PROPOSED INSTALLATION METHOD TO MINIMIZE DISRUPTION AND HAVE A GREATER RANGE OF ACCESS.
4. EACH PILE LOCATION KEY-PIECES TO STABILIZE WILL BE PLACED IN THE FIELDS BY THE ENGINEER OR GEOLOGICAL-WELL WINTER KEY-PIECES DO NOT EXIST, THE ENGINEER WILL SPECIFY AN ALTERNATE APPROACH.
5. PILE TOPS SHALL NOT EXTEND MORE THAN 3'-11' ABOVE THE AVERAGE LOGJAM ELEVATION. THE TOPS SHALL BE CUT AT VARYING HEIGHTS TO AVOID NON-LINEAR. PINS SHALL BE DRIVEN AT VARYING ANGLES, +/- 25' FROM VERTICAL.

EXISTING NATURAL LOGJAM SITE

PROPOSED STABILIZED NATURAL LOGJAM SITE

TIMBER PILE FOR NATURAL LOGJAM STABILIZATION

NOT TO SCALE
NOTES:
1. REMOVE BARK AT CONNECTION POINTS.
2. DRILL HOLE THROUGH CENTER OF LOG.
3. TIGHTEN SCREWS/ROD TO ELIMINATE GAP BETWEEN LOGS BUT NOT TO DELIVER FULL THREADS TO NUTS. NUTS MUST NOT BE ALIEN THREADS FOLLOWING TAMPERING.
4. ALL-THREAD TO BE NON-TYPE 207, SHADE A, LENGTH VARIES BY CONNECTION.
5. MULTIPLE LOG CONNECTIONS AT SAME POINT WILL USE SINGLE PIECE OF ALL-THREAD TO MINIMIZE NUTS IN POSTS.

BOLTED CONNECTION
1
NOT TO SCALE

WIRE-ROPE LASHING
2
NOT TO SCALE

FINISHED PILE/POST TOP
3
NOT TO SCALE