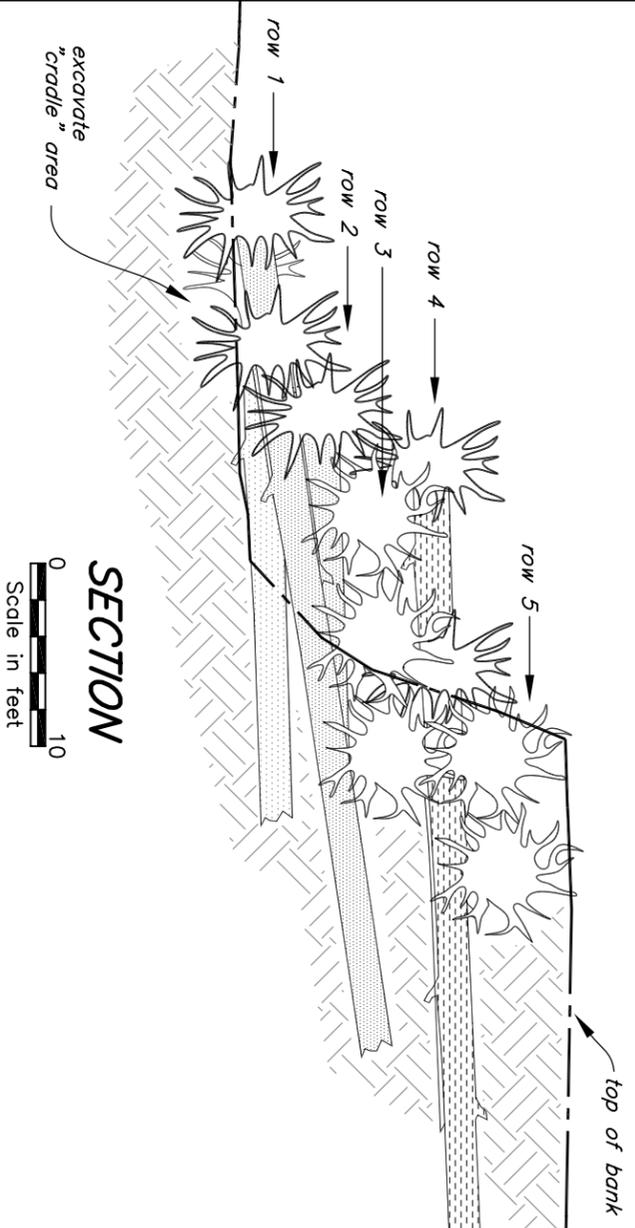


PLAN VIEW



SECTION

Scale in feet

LOG JAM ELEVATIONS		
STRUCTURE ID	STATION	ELEVATION
ELJ #1	x+xx	xxx.x
ELF #2	x+xx	xxx.x
ELJ #3	x+xx	xxx.x
ELJ #4	x+xx	xxx.x
ELJ #5	x+xx	xxx.x

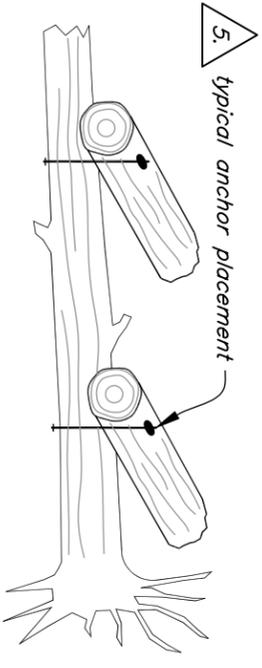
GENERAL NOTES:

Construction activity to be supervised by the NRCS project engineer. Centerline, offset and grading limit stakes will be provided. Special attention shall be taken to operate equipment in a safe and efficient manner with minimal disturbance outside of grading limits unless otherwise specified.

All construction activity shall be conducted with staked grading limits unless otherwise specified.

CONSTRUCTION NOTES:

1. Stations: 2+00, 3+25, 4+50, 5+50 and 6+50 engineered log jams. Construct log jams for near-bank energy dissipation and fish habitat enhancement. Logs for the log jam shall be cedar, spruce, pine or fir. Limbs and branches shall be in tact to the fullest extent possible. Other types of logs may be used if approved prior to construction with the NRCS engineer. Structure members are to be a minimum of 2' bole diameter, 30' stem length with 6' effective diameter rootwad.
 2. Ballast structure with (8) 4' diameter rocks and (3) 6' diameter rocks. Each log shall be ballasted with at least two boulders approximately 4' in diameter, resting on top of the log in a 'stable' position.
 3. CONSTRUCTION SPECIFICATIONS: CS-11, CS-15, CS-17, CS-56, MS-211, MS-212
 4. Excavate a "cradle" area on the streambed to place base members of log jams. Bury rootwad 3' into streambed. Use excavated gravels to backfill around base members.
 5. Existing vertical bank along project reach to be graded per detail on sheet 6. All work around existing bank to be performed in a safe and conscientious manner with a minimum allowance for disturbed bank material entering river during construction activities.
- Anchor each top member to the lower member log is sits on and comes in contact per LOG TO LOG ANCHOR DETAIL. Pre-drill 1" hole and use on A307 hot-dipped galvanized, 1" diameter, threaded stainless steel rod with heavy plate washers and nuts (4 plates).



LOG TO LOG ANCHOR DETAIL
NOT TO SCALE

This drawing requires supporting technical documentation prior to use and must be adapted to the specific site.

Designed	_____	Date	_____
Drawn	NRCS OREGON		5/2006
Checked	_____		_____
Approved	_____		_____
Title	_____		_____

LOG JAM DETAIL

STREAMBANK RESTORATION



File Name
or_log_jam.dwg
Drawing No.