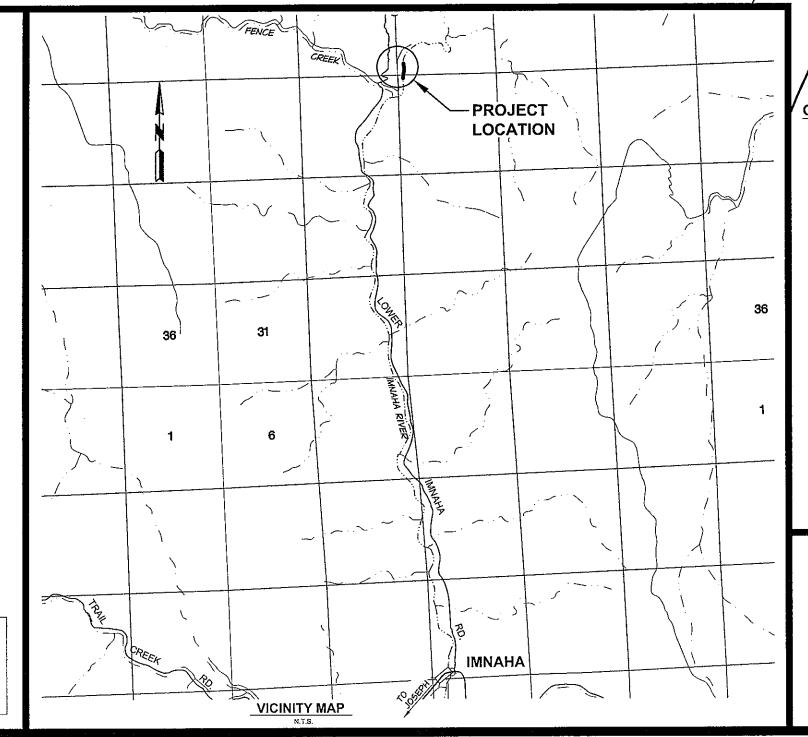
# IMNAHA RIVER MARR HABITAT IMPROVEMENTS - 2011

WALLOWA COUNTY, OREGON

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**GRANDE RONDE MODEL WATERSHED** 

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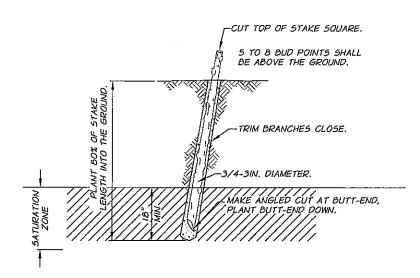
a associates, inc.

The Grande Ronde Model Watershed has reviewed these drawings and approved them for construction to fullfill the intended project objectives.

Date

NOTES:

LOCATIONS WOODY DEBRIS STRUCTURES AND WATER BREAKS ARE APPROXIMATE. THE ACTUAL LOCATION OF EACH TO BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. 2. CONTRACTOR TO VERIFY ACTUAL TOPOGRAPHY AT THE TIME OF CONSTRUCTION AND NOTIFY



- NOTES:

  1. HARVEST AND PLANT STAKES DURING THE DORMANT SEASON.

  2. USE HEALTHY, STRAIGHT AND LIVE WOOD AT LEAST I YEAR OLD.

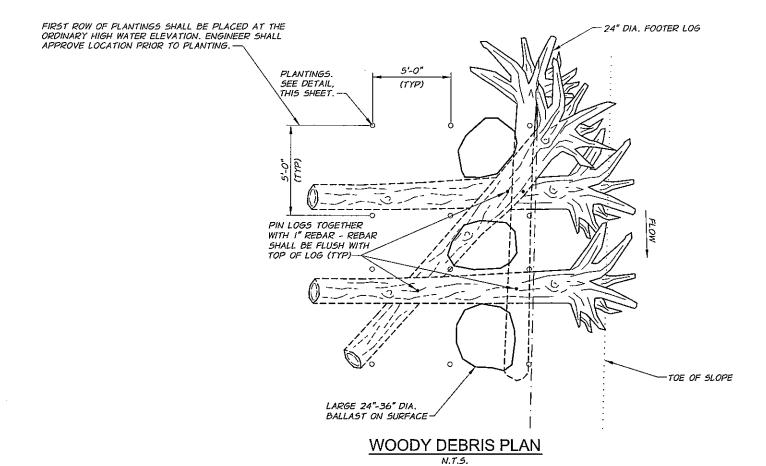
  3. MAKE CLEAN CUTS AND DO NOT DAMAGE STAKES OR SPLIT ENDS DURING INSTALLATION, USE A PILOT BAR IN FIRM SOILS.

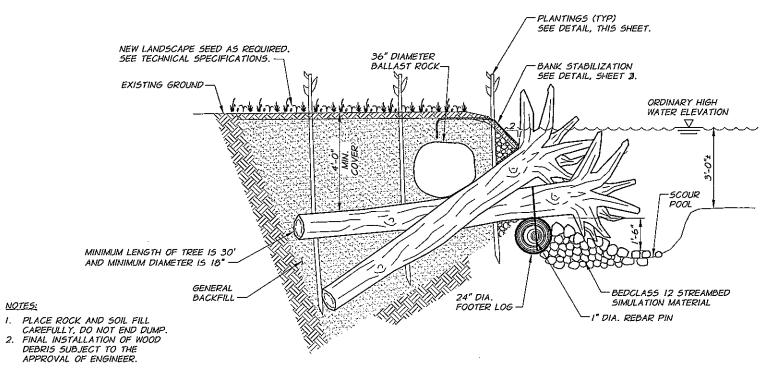
  4. CUTTINGS HARVESTED FRESH AT THE TIME OF INSTALLATION SHALL BE GOALED FOR A MARKEN BY THE TIME OF INSTALLATION SHALL BE GOALED FOR A MARKEN BY THE TIME OF INSTALLATION SHALL BE GOALED FOR A MARKEN BY THE TIME OF INSTALLATION SHALL BE GOALED FOR A MARKEN BY THE TIME OF INSTALLATION.
- BE SOAKED FOR A MINIMUM OF 24 HOURS PRIOR TO INSTALLATION PLANTING. CUTTINGS HARVESTED AND STORED SHALL BE SOAKED FOR A MINIMUM OF 10 DAYS PRIOR TO PLANTING.
- TAMP THE SOIL AROUND THE STAKE.
  EXTEND STAKES IN TO WATER SATURATION ZONE.
  SEE APPROVED SPECIES, THIS SHEET.

# TYPICAL PLANTING DETAIL

# APPROVED BRUSH SPECIES

- BELOW ORDINARY HIGH WATER: - SALIX EXIGUA (COYOTE WILLOW)
  - SALIX LASIOLEPSIS (ARROYO WILLOW)
  - CORNUS SERICEA (REDOSIER DOGWOOD)





# WOODY DEBRIS SECTION

HORZ SCALE NO SCALE JOB MUNISER 81-34 XREFS: GRMW MarrTB.dwg ESIGNED BY C. HUTCHINS 2011 DRAWN BY P. RICHARDSON
REVIEWED BY B. MOORE COPYRIGHT 2011 BY ANDERSON-PERRY & ASSOC., INC.

NOTES:

THIS DRAWING HAS BEEN REDUCED 50% ADJUST SCALE ACCORDINGLY. BARSCALE SHOWN IS ACCURATE.

**PRELIMINARY** 



**GRANDE RONDE MODEL WATERSHED IMNAHA RIVER** 

MARR HABITAT IMPROVEMENTS

WOOD DEBRIS AND PLANTING DETAILS

SHEET

