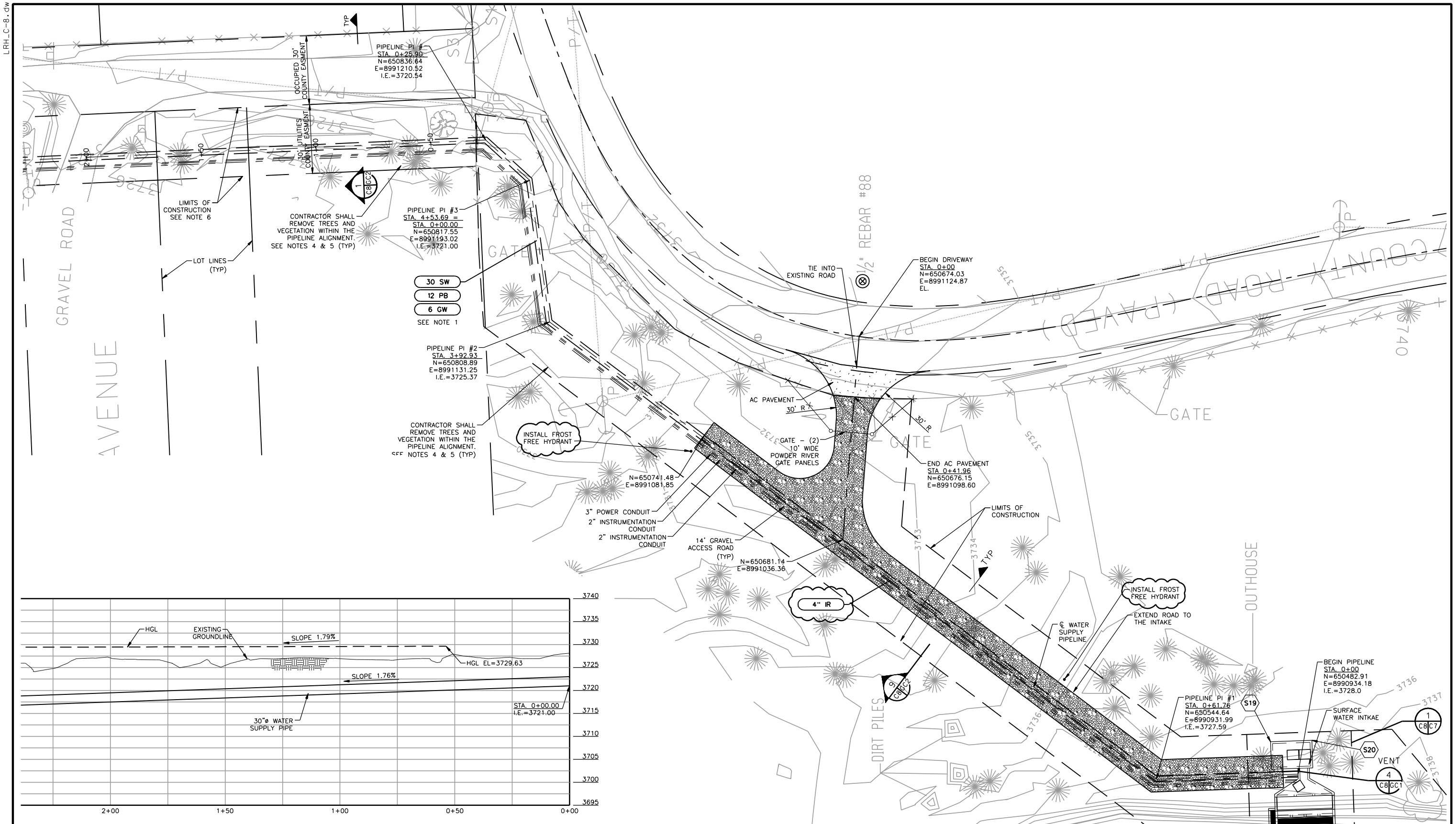





## PROFILE - WATER SUPPLY PIPELINES

## PLAN

0 10 20 40 60 FT

SCALE: 1"=20'

NOTES:

1. SURFACE WATER, GROUNDWATER, AND PUMP BACK WATER PIPELINES SHALL BE INSTALLED IN THE SAME PIPE TRENCH FROM THE SURFACE WATER INTAKE TO THE HATCHERY.
2. SEE SHEET C21 FOR SITE COORDINATE TABLES.
3. PROVIDE ADDITIONAL FILL OVER PIPE LINES FROM GRANGER TO ACCESS ROAD TO MAINTAIN MINIMUM 3 FEET OF COVER 10 FEET WIDE.
4. CONTRACTOR SHALL REMOVE TREES, BUSHES, AND VEGETATION WITHIN THE PIPELINE ALIGNMENT FOR CONSTRUCTION. TOPSOIL SHALL BE REMOVED AND STOCKPILED FOR BACKFILLING AND RESEEDING. CONTRACTOR SHALL MARK ALL TREES TO BE REMOVED FOR OWNER'S REPRESENTATIVE REVIEW AND APPROVAL. ALL REMOVED TREES SHALL BE STACKED WITHIN THE LOT LINES FROM WHICH THEY WERE REMOVED. REMOVED TREES ARE THE OWNERS PROPERTY.

NOTES CONT.:

5. THE DISTURBED AREA WITHIN THE PIPELINE ALIGNMENT SHALL BE RESEEDED WITH A NATIVE GRASS MIX. SEE LANDSCAPE SPECIFICATIONS FOR THE GRASS MIX TYPE AND APPLICATION REQUIREMENTS.
6. CONTRACTOR SHALL CONFINE ALL WORK ACTIVITIES WITHIN THE LIMITS OF CONSTRUCTION AS SHOWN. NO ACCESS TO ADJACENT PROPERTIES IS PERMITTED. ACCESS FROM GRANGER ROAD IS PROVIDED. ALL DAMAGE TO GRANGER ROAD WILL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTORS EXPENSE.

REGISTERED PROFESSIONAL ENGINEER 16047 OREGON JULY 21, 1992 MORTON D. McMILLEN

EXP. 12-31-06

Engineer Seal

HDR | FISHPRO

McMILLEN ENGINEERING BOISE, IDAHO

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C-CONTRACT CONSTR., F-FORCE ACCOUNT CONSTR., R-RECORD FILE NAME: LRH_C-8.dwg

Design S. SPICKELMIER
Drawn R. GUERRERO
Chkd M. McMILLEN
Sub ---
Rec ---
Rec ---
Appr ---
Date ---

UNITED STATES DEPARTMENT OF ENERGY
**BONNEVILLE POWER ADMINISTRATION**
HEADQUARTERS, PORTLAND, OREGON

NORTHEAST OREGON HATCHERY PROGRAM
LOSTINE RIVER HATCHERY
ACCESS ROAD AND
WATER SUPPLY PIPELINE
PLAN AND PROFILE 1

| SERIAL | SOURCE | SHEET NO. | SHEET | REVISION |
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