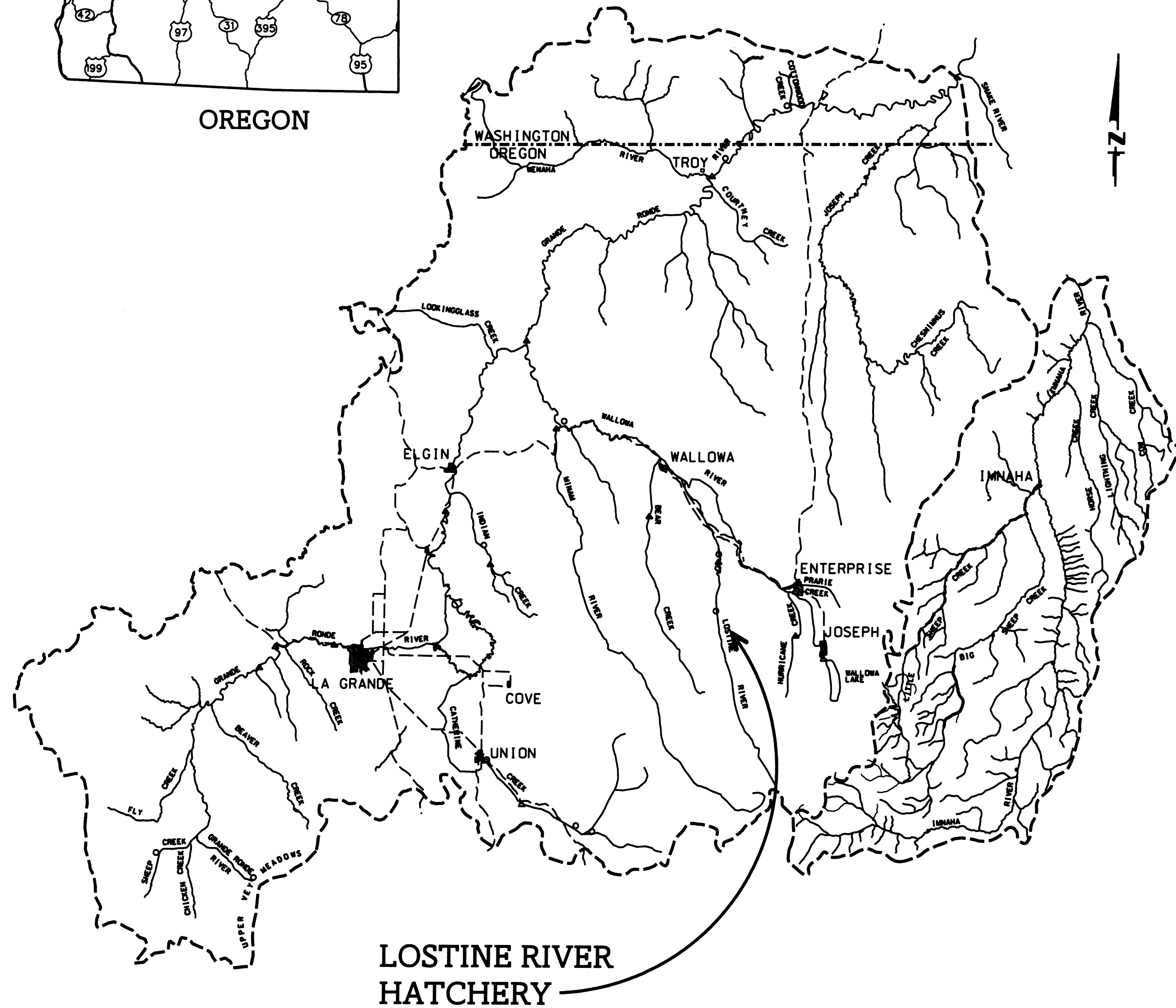


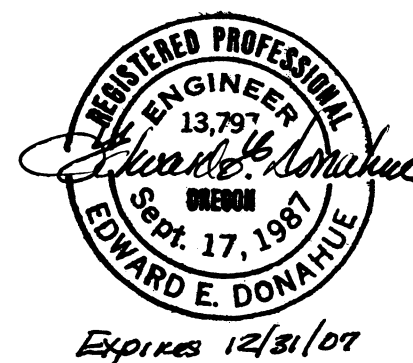
NORTHEAST OREGON HATCHERY PROJECT



LOSTINE RIVER HATCHERY CONSTRUCTION DRAWINGS APRIL 11, 2006

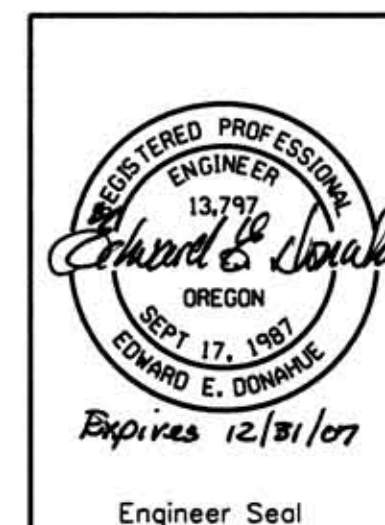
IN COOPERATION WITH:

- CONFEDERATED TRIBES OF THE UMATILLA INDIAN RESERVATION
- OREGON DEPARTMENT OF FISH AND WILDLIFE
- US FISH AND WILDLIFE SERVICE
- NOAA FISHERIES



Drawing No.	Title	Drawing No.	Title	Drawing No.	Title	Drawing No.	Title
General							
G1	COVER, LOCATION MAP, VICINITY MAP	GS1	GENERAL STRUCTURAL DETAILS 1	GM1	PIPING SCHEDULE	GE1	GENERAL ELECTRICAL LEGEND
G2	DRAWING INDEX	GS2	GENERAL STRUCTURAL DETAILS 2	GM2	RESERVED	GE2	GENERAL INSTRUMENTATION SYMBOLS
G3	STANDARD SYMBOLS	GS3	GENERAL STRUCTURAL DETAILS 3	GM3	STANDARD MECHANICAL DETAILS 1	E1	ELECTRICAL SITE PLAN
G4	STANDARD ABBREVIATIONS	GS4	STANDARD STANDARD STRUCTURAL DETAILS 1	GM4	STANDARD MECHANICAL DETAILS 2	E2	MISCELLANEOUS PLANS
G5	OVERALL PROJECT PLAN AND CONTRACTOR STAGING AREA	GS5	STANDARD STRUCTURAL DETAILS 2	GM5	RESERVED	E3	INSTRUMENT WIRE, CABLE AND CONDUIT LEGEND
G6	HYDRAULIC PROFILE AND DESIGN CRITERIA	GS6	STANDARD STRUCTURAL DETAILS 3	PF1	PROCESS FLOW DIAGRAM SITE PLAN	E4	HATCHERY BUILDING LIGHTING PLAN
Civil							
GC1	STANDARD CIVIL DETAILS 1	GS7	RESERVED	PF2	PROCESS FLOW DIAGRAM UTILITY BUILDING	E5	HATCHERY BUILDING RECEPTACLE, PHONE AND ALARM
GC2	STANDARD CIVIL DETAILS 2	GS8	RESERVED	PF3	PROCESS FLOW DIAGRAM HATCHERY BUILDING	E6	HATCHERY BUILDING POWER PLAN
GC3	STANDARD CIVIL DETAILS 3	S1	INTAKE STRUCTURE PLAN AND SECTION	M1	WELL FIELD PIPING PLAN	E7	RESERVED
GC4	STANDARD CIVIL DETAILS 4	S2	INTAKE STRUCTURE SECTIONS AND DETAILS 1	M2	SITE PIPING PLAN HATCHERY AREA (NORTH)	E8	UTILITY BUILDING LIGHTING AND RECEPTACLE PLAN
C1	OVERALL SITE PLAN	S3	INTAKE STRUCTURE SECTIONS AND DETAILS 2	M3	SITE PIPING PLAN HATCHERY AREA (SOUTH)	E9	UTILITY BUILDING INSTRUMENTATION, PHONE AND ALARM
C2	HATCHERY SITE PLAN	S4	INTAKE STRUCTURE SECTIONS AND DETAILS 3	M4	RESERVED	E10	RESERVED
C3	HATCHERY GRADING & PAVING PLAN (SOUTH)	S5	RESERVED	M5	WELL HEADS PLANS AND SECTION	E11	UTILITY BUILDING ELECTRICAL PLAN
C4	HATCHERY GRADING & PAVING PLAN (NORTH)	S6	RESERVED	M6	INTAKE STRUCTURE AIR BURST SYSTEM PLAN	E12	ADULT HOLDING AND SPAWNING BUILDING POWER PLAN
C5	UTILITIES SITE PLAN, POTABLE WATER & SANITARY	S7	HATCHERY BUILDING FOUNDATION PLAN	M7	INTAKE SCREEN AIR BURST SYSTEM SECTIONS AND DETAILS	E13	ADULT HOLDING AND SPAWNING BUILDING LIGHTING/RECEPTACLE PLAN
C6	INTAKE SITE PLAN, SECTIONS AND DETAILS	S8	HATCHERY BUILDING SLAB PLAN	M8	INTAKE SCREEN AIR BURST MANIFOLD PLAN, SECTIONS AND DETAILS	E14	RESERVED
C7	RESERVED	S9	HATCHERY BUILDING ROOF FRAMING PLAN	M9	INTAKE SCREEN PLAN AND SECTIONS	E15	AIR BACKWASH SYSTEM
C8	ACCESS ROAD AND WATER SUPPLY PIPELINE PLAN AND PROFILE 1	S10	HATCHERY BUILDING SECTIONS AND MEZZANINE FRAMING PLAN	M10	RESERVED	E16	ALARM PANEL AND SCHEDULES
C9	ACCESS ROAD AND WATER SUPPLY PIPELINE PLAN AND PROFILE 2	S11	HATCHERY BUILDING SECTIONS	M11	HATCHERY BUILDING BELOW GRADE PRODUCTION PIPING	E17	MOTOR CONTROL DIAGRAMS 1
C10	ACCESS ROAD AND WATER SUPPLY PIPELINE PLAN AND PROFILE 3	S12	HATCHERY BUILDING SECTIONS AND DETAILS 1	M12	HATCHERY BUILDING ABOVE GRADE PRODUCTION PIPING	E18	MOTOR CONTROL DIAGRAMS 2
C11	ACCESS ROAD AND WATER SUPPLY PIPELINE PLAN AND PROFILE 4	S13	HATCHERY BUILDING SECTIONS AND DETAILS 2	M13	HATCHERY BUILDING PRODUCTION PIPING PLANS, SECTIONS AND DETAILS	E19	MOTOR CONTROL DIAGRAMS 3
C12	WELL FIELD AND ACCESS ROAD SITE PLAN 1	S14	HATCHERY BUILDING SECTIONS AND DETAILS 3	M14	HATCHERY BUILDING INCUBATION PIPING PLANS AND SECTIONS	E20	ONE LINE DIAGRAM
C13	RESERVED	S15	UTILITY BUILDING FOUNDATION PLAN	M15	HATCHERY BUILDING INCUBATION SUPPLY TROUGH PLAN, SECTIONS AND DETAILS	E21	FIXTURE SCHEDULE
C14	FISHWAY PLAN AND PROFILE	S16	UTILITY BUILDING MEZZANINE FRAMING PLAN	M16	HATCHERY BUILDING FORMALIN SYSTEM	E22	DISTRIBUTION PANEL SCHEDULES
C15	HATCHERY BUILDING SANITARY SEWER DRAIN FIELD PLAN AND SECTIONS	S17	UTILITY BUILDING ROOF FRAMING PLAN	M17	HATCHERY BUILDING FORMALIN PIPING PLANS AND SECTIONS	E23	LOAD PANEL SCHEDULES
C16	NEW RESIDENCE SANITARY	S18	UTILITY BUILDING SECTIONS 1	M18	HATCHERY BUILDING PIPING DETAILS 1	E24	RESERVED
C17	STORM WATER CONTROL SYSTEM	S19	UTILITY BUILDING SECTIONS 2	M19	HATCHERY BUILDING PIPING DETAILS 2	E25	PLC 1
C18	BANK STABILIZATION PLAN AND SECTION	S20	UTILITY BUILDING DETAILS	M20	UTILITY BUILDING UNDER FLOOR PIPING	E26	PLC 2
C19	RESERVED	S21	RACEWAYS PLAN AND SECTIONS	M21	UTILITY BUILDING ABOVE FLOOR PIPING	E27	INSTRUMENT DETAILS 1
C20	RESERVED	S22	RACEWAYS SECTION AND DETAIL	M22	UTILITY BUILDING PARTIAL PIPING PLANS & SECTIONS	E28	RESERVED
C21	HATCHERY SITE COORDINATE POINTS	S23	RACEWAYS PLAN, SECTIONS AND DETAILS	M23	UTILITY BUILDING SECTIONS & CHILLED WATER SCHEMATIC	E29	ELECTRICAL DETAILS 1
Landscaping							
L1	HATCHERY PLANTING PLAN NORTH	S24	QUARANTINE RACEWAY PLAN, SECTION AND DETAILS	M24	UTILITY BUILDING PIPING DETAILS 1	E30	ELECTRICAL DETAILS 2
L2	HATCHERY PLANTING PLAN SOUTH	S25	QUARANTINE RACEWAY SECTIONS AND DETAILS	M25	UTILITY BUILDING PIPING DETAILS 2	E31	ELECTRICAL DETAILS 3
L3	HATCHERY PLANTING SCHEDULE, PLANTING NOTES, ABBREVIATIONS & LEGEND	S26	SPAWNING BUILDING FOUNDATION PLAN	M26	UTILITY BUILDING PIPING DETAILS & EQUIPMENT SCHEDULES		
L4	HATCHERY PLANTING DETAILS	S27	SPAWNING BUILDING ROOF FRAMING PLAN	M27	RESERVED		
L5	HATCHERY LANDSCAPE SPECIFICATIONS	S28	SPAWNING BUILDING SECTIONS 1	M28	RESERVED		
Architect							
GA1	HATCHERY BUILDING CODE REVIEW	S29	FISH LIFT AND SPAWNING BUILDING SECTIONS 2	M29	ADULT HOLDING AND SPAWNING BUILDING MECHANICAL PLAN 1		
GA2	HATCHERY BUILDING ARCHITECTURAL	S30	SPAWNING BUILDING SECTIONS 3	M30	ADULT HOLDING AND SPAWNING BUILDING MECHANICAL PLAN 2		
GA3	UTILITY BUILDING AND SPAWNING BUILDING ARCHITECTURAL SCHEDULES	S31	SPAWNING BUILDING SECTIONS 4	M31	ADULT HOLDING AND SPAWNING BUILDING SECTIONS		
A1	HATCHERY BUILDING FLOOR PLAN	S32	ADULT HOLDING FOUNDATION PLAN	M32	ADULT HOLDING AND SPAWNING BUILDING MECHANICAL SECTIONS		
A2	HATCHERY BUILDING MEZZANINE / ROOF PLAN	S33	ADULT HOLDING TOP PLAN	M33	ADULT HOLDING AND SPAWNING BUILDING DETAILS 1		
A3	HATCHERY BUILDING ENLARGED FLOOR PLANS	S34	ADULT HOLDING SECTIONS 1	M34	ADULT HOLDING AND SPAWNING BUILDING DETAILS 2		
A4	HATCHERY BUILDING ELEVATIONS	S35	ADULT HOLDING SECTIONS 2	M35	ADULT HOLDING AND SPAWNING BUILDING DETAILS 3		
A5	HATCHERY BUILDING WALL SECTIONS 1	S36	ADULT HOLDING SECTIONS 3	M36	ADULT HOLDING AND SPAWNING BUILDING DETAILS 4		
A6	HATCHERY BUILDING WALL SECTIONS 2	S37	FISHWAY FOUNDATION PLAN	M37	ADULT HOLDING AND SPAWNING BUILDING PUMP STATION		
A7	HATCHERY BUILDING REFLECTED CEILING PLAN	S38	FISHWAY TOP PLAN	M38	ADULT HOLDING AND SPAWNING BUILDING FACILITIES GATES		
A8	HATCHERY BUILDING INTERIOR ELEVATIONS	S39	FISHWAY SECTIONS 1	M39	FISH CROWDER PLAN AND SECTION		
A9	HATCHERY BUILDING SECTIONS AND DETAILS	S40	FISHWAY SECTIONS 2	M40	FISH CROWDER SECTIONS AND DETAILS 1		
A10	HATCHERY BUILDING DETAILS 1	S41	WASTEWATER CLARIFIER PLAN AND SECTION	M41	FISH CROWDER SECTIONS AND DETAILS 2		
A11	HATCHERY BUILDING DETAILS 2	S42	WASTEWATER CLARIFIER SECTIONS AND DETAILS 1	M42	RESERVED		
A12	HATCHERY BUILDING DETAILS 3	S43	WASTEWATER CLARIFIER SECTIONS AND DETAILS 2	M43	RESERVED		
A13	UTILITY BUILDING FLOOR PLAN	S44	BULK OXYGEN STORAGE PLAN, SECTIONS AND DETAILS	M44	HATCHERY SITE OXYGEN SYSTEM PLAN		
A14	UTILITY BUILDING MEZZANINE PLAN	S45	WATER CONTROL BOX PLAN SECTIONS AND DETAILS	M45	OXYGEN DISTRIBUTION PIPING DETAILS		
A15	UTILITY BUILDING ELEVATIONS	S46	START TANKS - PLAN, SECTIONS AND DETAILS	M46	MISC PIPING DETAILS 1		
A16	UTILITY BUILDING WALL SECTIONS	S47	RESERVED	M47	HATCHERY BUILDING HVAC		
A17	UTILITY BUILDING DETAILS	S48	MISCELLANEOUS METALS 1	M48	HATCHERY BUILDING PLUMBING		
A18	ADULT HOLDING AND SPAWNING BUILDING FLOOR PLAN	S49	MISCELLANEOUS METALS 2	M49	UTILITY BUILDING HVAC		
A19	ADULT HOLDING AND SPAWNING BUILDING ROOF PLAN	S50	RESERVED	M50	RESERVED		
A20	ADULT HOLDING AND SPAWNING BUILDING ELEVATIONS	S51	RESERVED	M51	MECHANICAL SCHEDULES HVAC		
A21	ADULT HOLDING AND SPAWNING BUILDING WALL SECTIONS	S52	RESERVED	M52	MECHANICAL SCHEDULES PLUMBING		
A22	ADULT HOLDING AND SPAWNING BUILDING WALL SECTION/DETAILS	S53	RESERVED	M53	MECHANICAL PARTIAL PLANS AND DETAILS HVAC		
A23	RESERVED	S54	RESERVED	M54	MECHANICAL PARTIAL PLANS AND DETAILS PLUMBING		
A24	RESIDENCE FLOOR PLAN	S55	RESERVED	M55	ADULT HOLDING AND SPAWNING BUILDING HVAC		
A25	RESIDENCE ELEVATIONS	S56	TRUCK FILL PLAN AND SECTION CHEMICAL STORAGE PLAN	M56	POTABLE WATER PUMPHOUSE SCHEMATIC PLAN AND NOTES		
A26	RESERVED			M57	MISC PIPING DETAILS 2		
A27	RESERVED			M58	GATE SCHEDULES		
A28	RESIDENCE MATERIAL SPECIFICATIONS			M59	AIR BACKWASH PROCESS AND INSTRUMENTATION DIAGRAM		

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Drawn	SLS	NORTHEAST OREGON HATCHERY PROGRAM LOSTINE RIVER HATCHERY					
Chkd	EED	DRAWING INDEX					
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Date	04/10/06	SERIAL	SOURCE	SHEET NO.	SHEET	REVISION	
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Engineer Seal

SITE PLAN SYMBOLOGY

- SURVEY CONTROL POINT, AS NOTED.
- FOUND 1/2" IRON PIN, PROPERTY CORNER FROM SUBDIVISION PLATS.
- ⊙ WELL WATER WELL, SIZE AS INDICATED.
- POLE ANCHOR
- ⊙ P POWER POLE
- ⊥ SIGN
- ✕✕✕ FENCE LINE
- ✕ SPOT ELEVATION
- ☀ CONIFER TREE: FIR, SPRUCE, LARCH OR PINE, 8" DIAMETER OR LARGER.
- ☁ DECIDUOUS TREE: COTTONWOOD, HAWTHORN, ASPEN, 8" DIAMETER OR LARGER.
- ☪ ALDER OR RIVER BIRCH CLUMP, MULTI-STEM, 6" TO 10" IN DIAMETER.
- ⊙ STUMP
- P/T — OVERHEAD POWER AND TELEPHONE LINES.
- ⊙ CO CLEAN OUT
- ⊙ MH MANHOLE
- CB STORM DRAIN CATCH BASIN
- UV UTILITY VAULT
- ⊙ PP POWER POLE
- ⊙ TP TELEPHONE POLE
- ⊙ FH FIRE HYDRANT
- YH-X YARD HYDRANT
- 75.8 FINISHED SPOT ELEVATION

PIPING SYMBOLOGY

- ⊘ BALL VALVE
- ⊘ BUTTERFLY VALVE
- ⊘ CHECK VALVE
- ⊘ GATE VALVE OR AS NOTED
- ⊘ SAFETY RELIEF VALVE
- ⊘ PLUG VALVE
- ⊘ PRESSURE REDUCING VALVE
- ⊘ CURB STOP
- ⊘ FM FLOW METER
- ▶ THRUST BLOCK
- ⊘ FOOT VALVE
- HB HOSE BIBB "NF" NON FREEZE
- YH YARD HYDRANT
- ⊘ CAPPED OR PLUGGED OPENING
- ⊘ ORIFICE
- ⊘ PIPE REDUCER
- ⊘ COMBINATION AIR RELEASE/VACUUM VALVE
- ⊘ UNION
- ⊘ PUMP
- ⊘ WYE STRAINER
- ⊘ PRESSURE GAUGE w/ GAUGE COCK
- ⊘ NEEDLE VALVE
- ⊘ ADJUSTABLE CLAMP
- ⊘ HOSE OR FLEXIBLE CONNECTOR
- ⊘ HEAT EXCHANGER
- CO CLEANOUT
- ⊘ 3-WAY TEMPERATURE MODULATING VALVE
- ⊘ CONTROL WIRING
- ⊘ FLEXIBLE CONNECTION

PIPING SYMBOLOGY CONT

- CW COLD WATER (POTABLE)
- HW HOT WATER
- HWC HOT WATER CIRC.
- V VENT
- SS SANITARY SEWER BELOW FLOOR OR GRADE
- CO - CLEANOUT
- FCO - FLOOR CLEANOUT
- WCO - WALL CLEANOUT
- GCO - GRADE CLEANOUT
- VTR - VENT THRU ROOF
- DN - DOWN
- CONT - CONTINUATION

MECHANICAL SYMBOLOGY

- ⊘ AIR REGISTER
- ⊘ ROOF VENT W/BACKDRAFT DAMPER
- ⊘ CEILING MOUNTED ELECTRIC HEATER
- ⊘ ROOF MOUNTED EXHAUST FAN
- ⊘ HEAT RECOVERY FAN
- ⊘ WALL MTD. EXHAUST FAN
- ⊘ CEILING MTD. EXHAUST FAN
- ⊘ ELECTRIC UNIT HEATER

REFLECTED CEILING SYMBOLOGY

- ⊘ 2x4 ACOUSTICAL SUSPENDED CEILING
- RECESSED LIGHT FIXTURE
- ⊘ 1x4 FLUORESCENT LIGHT FIXTURE
- ⊘ 2x4 FLUORESCENT LIGHT FIXTURE
- ⊘ 4x4 FLUORESCENT LIGHT FIXTURE
- ⊘ SUPPLY AIR DIFFUSER/GRILLE
- ⊘ RETURN AIR GRILLE

GENERAL SYMBOLOGY

ARROW INDICATES DIRECTION OF PLAN NORTH

PLAN
BAR SCALE GOES HERE

⊘ X
XXXX
* DRAWING WHERE DETAIL VIEW IS SHOWN
* DRAWING WHERE DETAIL VIEW IS CUT
DETAIL MARKER

⊘ X
XXXX
* DRAWING WHERE DETAIL VIEW IS SHOWN
* DRAWING WHERE DETAIL VIEW IS CUT
DETAIL
BAR SCALE GOES HERE

⊘ X
XXXX
* DRAWING WHERE SECTION VIEW IS SHOWN
* DRAWING WHERE SECTION VIEW IS CUT
SECTION CUT MARKER

⊘ X
XXXX
* DRAWING WHERE SECTION VIEW IS SHOWN
* DRAWING WHERE SECTION VIEW IS CUT
SECTION
BAR SCALE GOES HERE

⊘ X
XXXX
* DRAWING WHERE ELEVATION VIEW IS SHOWN
* DRAWING WHERE ELEVATION VIEW IS CUT
ELEVATION MARKER

⊘ X
XXXX
* DRAWING WHERE ELEVATION VIEW IS SHOWN
* DRAWING WHERE ELEVATION VIEW IS CUT
ELEVATION
BAR SCALE GOES HERE

* NUMBER IS REPLACED BY A LINE (---). DETAIL ARE SHOWN ON SAME DRAWING, DRAWING NUMBER IS REPLACED BY A LINE (---).

MATERIALS IN PLAN/SECTION

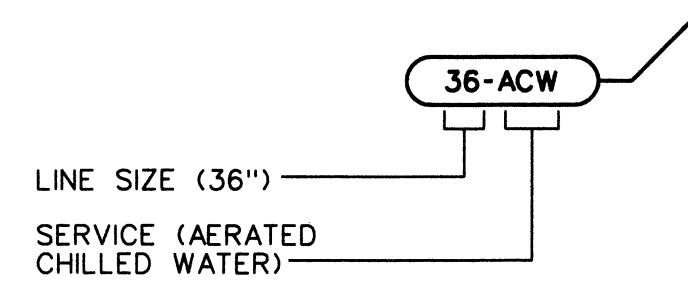
- ⊘ GRAVEL/ROCK, TYPE AS NOTED (PLAN/SECTION)
- ⊘ BED ROCK OR EXISTING GRADE (SECTION)
- ⊘ SOIL (SECTION)
- ⊘ CONCRETE (SECTION/PLAN)
- ⊘ SAND, GROUT OR AS NOTE (PLAN/SECTION)
- ⊘ CONCRETE MASONRY (SECTION)
- ⊘ WOOD, SIZE/TYPE AS NOTED (PLAN)
- ⊘ WOOD, SIZE/TYPE AS NOTED (SECTION)
- ⊘ RIP RAP (PLAN/SECTION)
- ⊘ RIGID INSULATION (SECTION)
- ⊘ STRUCTURE (PLAN/SECTION)
- ⊘ ASPHALT CONCRETE PAVEMENT SURFACE (PLAN)
- ⊘ BATT INSULATION (SECTION)

GENERAL NOTES:

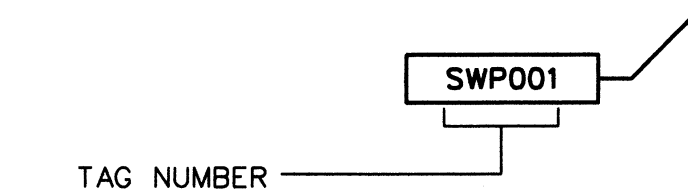
- ALL SYMBOLS ARE NOT NECESSARILY USED THIS IS A STANDARD DRAWING SHOWING COMMON ON THIS PROJECT.
- SCREENING OR SHADING OF WORK IS USED TO INDICATE EXISTING COMPONENTS OR TO EMPHASIZE PROPOSED IMPROVEMENTS TO HIGHLIGHT SELECTED TRADE WORK. REFER TO CONTEXT OF EACH DRAWING FOR USAGE.
- SEE PROJECT EQUIPMENT AND PIPING SYSTEMS DRAWING FOR SYMBOLS AND ABBREVIATIONS SPECIFIC TO THE PROJECT.

IDENTIFICATION SYMBOLOGY

PIPING TAG:



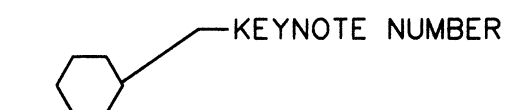
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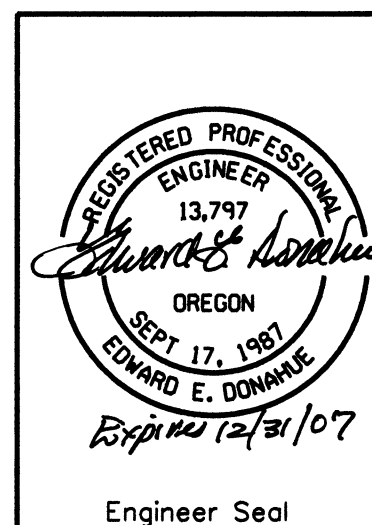
MISCELLANEOUS SYMBOLS

- ⊘ G 6 GATE NUMBER
- ⊘ GR 1 GUARDRAIL
- ⊘ S 6 SCREEN NUMBER
- ⊘ BG 6 BAR GRATE NUMBER
- ⊘ 1 WALL TYPE
- ⊘ SL 6 STOPLOG NUMBER
- ⊘ F FIRE EXTINGUISHER
- ⊘ 27 ROOM NUMBER
- ⊘ 27 DOOR NUMBER
- ⊘ 6 WINDOW NUMBER
- ⊘ L 6 LOUVER NUMBER
- ⊘ EF EXHAUST FAN

KEYNOTE DESIGNATION



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Drawn	SLS					
Chkd	EED					
Sub						
Rec						
Rec						
Appr						
Date	04/10/06					
SERIAL	SOURCE	SHEET NO.	SHEET	REVISION		
		G3	OF			



UNITED STATES DEPARTMENT OF ENERGY
BONNEVILLE POWER ADMINISTRATION
 HEADQUARTERS, PORTLAND, OREGON
NORTHEAST OREGON HATCHERY PROGRAM
 LOSTINE RIVER HATCHERY

STANDARD SYMBOLS

Main table of abbreviations with columns for symbol, description, and unit. Includes categories like AIR CONDITIONING, CORROSION RESISTANT LINING, FEMALE PIPE THREAD, etc.

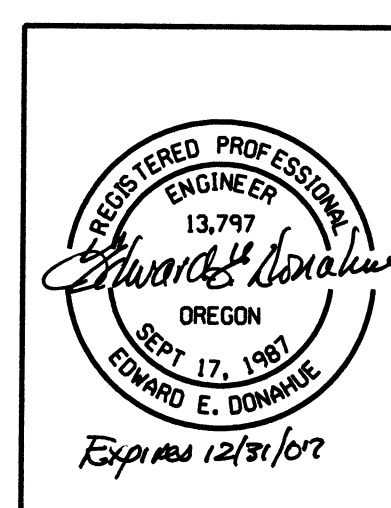
Table of abbreviations for TOP AND BOTTOM, TONGUE AND GROOVE, TILE, TREAD, TOILET ACCESSORY, etc.

Table of abbreviations for URINAL, UNDERGROUND, ULTIMATE, UNFINISHED, UNLESS NOTED OTHERWISE, etc.

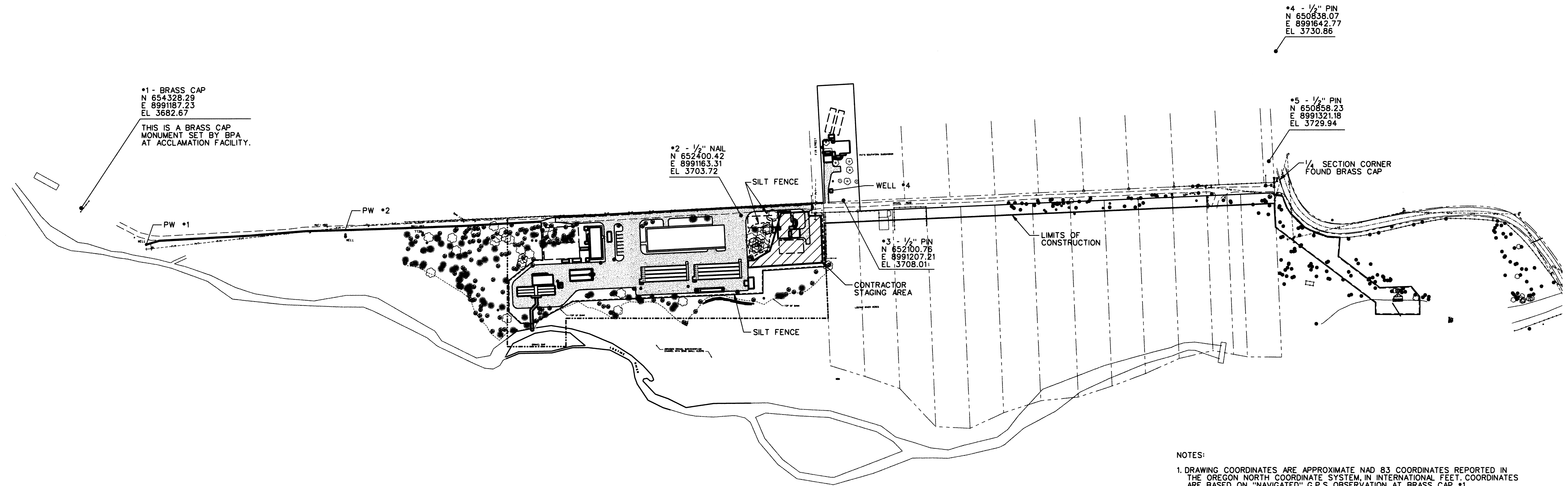
Table of abbreviations for VENT, VELOCITY, VOLT, VOLT AMPERE, VACUUM, etc.

Table of abbreviations for VENT THROUGH ROOF, VINYL WALL COVERING, WITH, WITHOUT, etc.

GENERAL NOTES: 1. THESE ABBREVIATIONS APPLY TO THE ENTIRE SET OF CONTRACT DRAWINGS. 2. LISTING OF ABBREVIATIONS DOES NOT IMPLY ALL ABBREVIATIONS ARE USED IN THE CONTRACT DRAWINGS. 3. SCREENING OR SHADING OF WORK IS USED TO CONTEXT OF EACH DRAWING FOR USAGE. 4. SEE PROJECT EQUIPMENT AND PIPING SYSTEMS DRAWING FOR SYMBOLS AND ABBREVIATIONS SPECIFIC TO THE PROJECT. MEAN EITHER REINFORCE OR REINFORCING. INDICATE EXISTING COMPONENTS OR TO DE-EMPHASIZE PROPOSED IMPROVEMENTS TO HIGHLIGHT SELECTED TRADE WORK. REFER TO

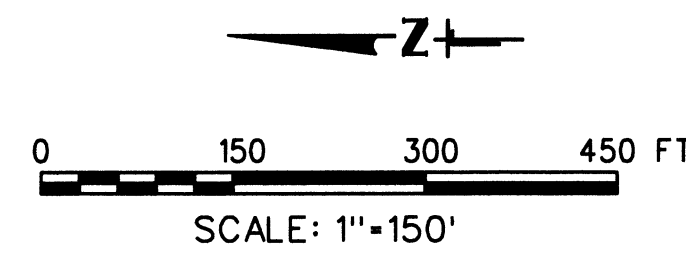


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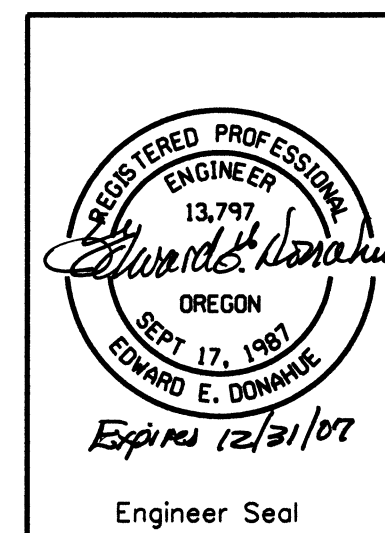


NOTES:

1. DRAWING COORDINATES ARE APPROXIMATE NAD 83 COORDINATES REPORTED IN THE OREGON NORTH COORDINATE SYSTEM, IN INTERNATIONAL FEET. COORDINATES ARE BASED ON "NAVIGATED" G.P.S. OBSERVATION AT BRASS CAP #1.
2. SEE SPECIFICATIONS FOR ALL HORIZONTAL AND VERTICAL CONTROL POINTS.

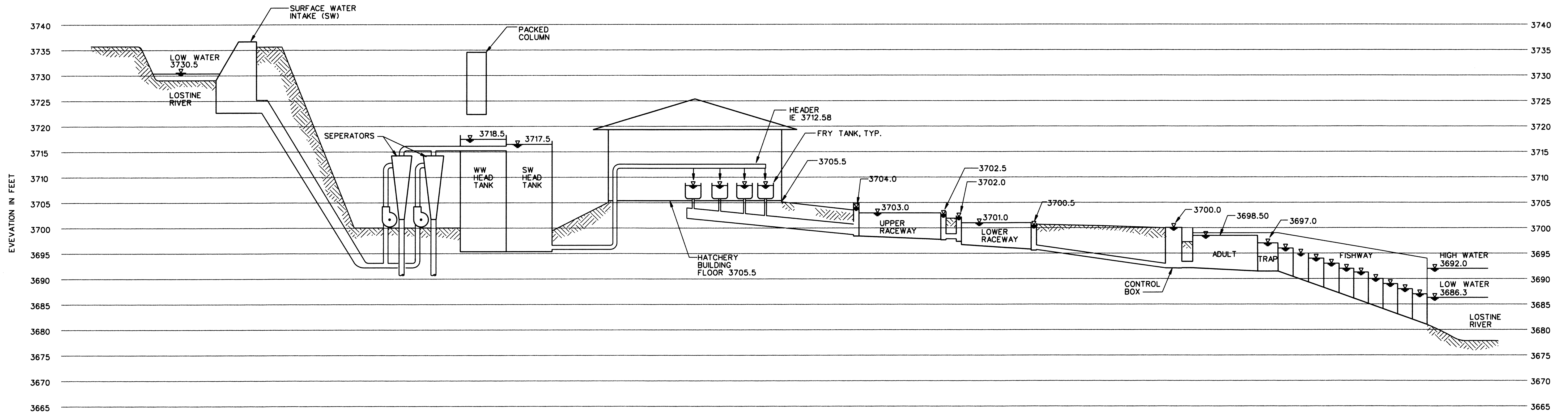


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Drawn	SLS	NORTHEAST OREGON HATCHERY PROGRAM LOSTINE RIVER HATCHERY					
Chkd	EED	OVERALL PROJECT PLAN AND CONTRACTOR STAGING AREA					
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Date	04/10/06						

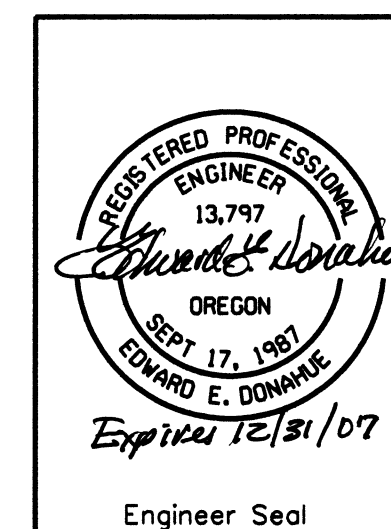


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Engineer Seal



PROFILE
NO SCALE



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Design	LKP	UNITED STATES DEPARTMENT OF ENERGY BONNEVILLE POWER ADMINISTRATION HEADQUARTERS, PORTLAND, OREGON NORTHEAST OREGON HATCHERY PROGRAM LOSTINE RIVER HATCHERY HYDRAULIC PROFILE AND DESIGN CRITERIA					
Drawn	KCP						
Chkd	EED						
Sub							
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Rec		SERIAL	SOURCE	SHEET NO.	SHEET	REVISION	
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