



**US Army Corps
of Engineers**
Portland District

PUBLIC NOTICE

for PERMIT APPLICATION

Issue Date: May 10, 2004

Expiration Date: June 9, 2004

Corps of Engineers Action ID: 200300796

Oregon Division of State Lands Number: 31465-RF

30-Day Notice

Interested parties are hereby notified that an application has been received for a Department of the Army permit for certain work in waters of the United States, as described below and shown on the attached plan.

Comments: Comments on the described work should reference the U.S. Army Corps of Engineers number shown above and should reach this office no later than the above expiration date of this Public Notice to become part of the record and be considered in the decision. Comments should be mailed to the following address:

U.S. Army Corps of Engineers
ATTN: CENWP-OP-GP (Ms. Karla G. Ellis)
P.O. Box 2946
Portland, Oregon 97208-2946

Applicant: City of Albany
P.O. Box 490
Albany, Oregon 97321-0144

Location: The project is located in the South Santiam River, River Mile 20.3, and the Albany-Santiam Canal, Section 19, Township 12 South, Range 1 West, near Lebanon, Linn County, Oregon.

Project Description: The City of Albany owns and operates the Santiam-Albany Water Supply Canal, originally constructed in 1870. This canal supplies all drinking water for Lebanon and Albany. A water treatment plant was also constructed in 1924. To ensure sufficient diversion of river water to the canal, the existing diversion dam was constructed in 1925. The existing diversion dam is six feet high and approximately 450 feet in width, and includes four fishways that have been added over the last several decades.

The Federal Energy Regulatory Commission (FERC) issued a hydroelectric power license to the City of Albany in 1998. Conditions of the license require fish passage improvements at the diversion dam and installation of a fish screen at the entrance of the canal prior to hydroelectric power production.

The proposed project involves the following:

Diversion Dam Modifications, Fishways-

The existing dam has a right-bank fishway, a left-bank fishway, and a center fishway and center addition. The plan involves improving the right-bank fishway by modifying the structure to include two new steps and additional low-flow attraction water. The left-bank fish ladder would be replaced with a high-volume multiple-step pool and chute ladder. The center fishway would be abandoned but not demolished. The center fishway addition would have its walls removed, but the concrete base slab would remain in place.

The right-bank fishway would require removal of 150 cubic yards of material, and the discharge of 850 cubic yards of fill below ordinary high water. This material would be used to modify the structure to include two new steps and additional low-flow attraction water.

The left-bank fishway would require removal of 600 cubic yards of material, and the discharge of 625 cubic yards of fill below ordinary high water. This material would be used to replace the existing fish ladder with a new, high-volume, multiple-step pool and chute.

The center fishway would not require any removal or fill. The structure would simply be abandoned, and left in place.

The center fishway addition would require removal of 10 cubic yards of material, and the discharge of 10 cubic yards of fill material below ordinary high water. The fishway addition would have its walls removed, but the base slab would be left in place.

Diversion Dam Modifications, Dam Crest Gate-

The existing dam consists of a six-foot-high concrete section. A system of wooden flashboards is currently used to raise the river during low summertime river flows. An air-actuated steel plate or rubber dam crest gate would replace the existing flashboard system.

The diversion dam concrete has eroded 3 to 4 inches in the middle portion since it was originally installed. Prior to changing the crest gate, the dam will be scrapped to allow for uniform elevation across the dam. Once a uniform elevation is achieved, any areas needing rehabilitation will be addressed as stated below.

Diversion Dam Modifications, Dam Rehabilitation-

The worn concrete portions of the dam would be removed and the dam refurbished at the time of fish passage and crest gate installation.

Rehabilitation would involve filling the existing eroded areas with concrete to original conditions.

Canal Fish Screen-

A fish screen would be installed at the entrance of the Santiam-Albany Water Canal near Santiam River Mile 20.8. A fish screen storage building with telemetry would be constructed adjacent to the fish screen facility. The screen would be a V-configuration using stainless wedge wire and an automatic screen cleaning system. A bypass pipe would return screened fish to the South Santiam River downstream of the diversion dam. The Canal screen installation would require removal of 740 cubic yards of material, and the discharge of 630 cubic yards of fill material below ordinary high water.

Canal Headworks, Headworks Rehabilitation-

The headworks structure is located about 400 feet downstream of the intake on the South Santiam River. The headworks consist of four parallel sluice gates, each four feet wide by six feet high. The headworks gates would be replaced with automated steel gates to allow automatic flow diversion. Eroded concrete at the gate seats would be repaired and other concrete repairs performed.

Work at the Canal headworks would require removal of 5 cubic yards of material, and discharge of 10 cubic yards of material below ordinary high water.

Note: The total project would result in 2,125 cubic yards of fill material discharged below ordinary high water, permanently impacting 0.62 acre of waters of the United States.

Mitigation: If a permit is issued, the Corps will determine what is appropriate and practicable compensatory mitigation. The amount of compensatory mitigation required shall be commensurate with the anticipated impacts of the project.

Purpose: The purpose of the project is to improve fish passage, install a fish screen, and improve the diversion dam.

Need: The project is needed to meet requirements of the Federal Energy Regulatory Commission (FERC) issued to the City of Albany in October 1998. The FERC license requires fish passage improvements and installation of a fish screen prior to commencement of hydroelectric power, and the project will ensure these requirements are met.

Drawings: Figure 1, Location and Vicinity Maps
Figure 2, Existing Conditions and Vegetation Map
Figure 3, Overall Site Plan
Figure 4, Overall Proposed Site Plan
Figure 5, Diversion Dam Site Plan
Figure 6, Left Bank Fishway Plan
Figure 7, Right Bank Fishway Plan
Figure 8, Fish Screen Site Plan
Figures 9 and 10 Left Bank Fishway Sections
Figure 11, Right Bank Fishway Sections
Figure 12, Proposed Fish Screen

Additional Information: Additional information may be obtained from Ms. Karla G. Ellis, Project Manager, U.S. Army Corps of Engineers at (503) 808-4377.

Authority: This permit will be issued or denied under the following:

Section 404, Clean Water Act (33 U.S.C. 1344), for the discharge of dredged or fill material into waters of the United States.

Water Quality Certification: A permit for the described work will not be issued until certification, as required under Section 401 of the Clean Water Act (P.L. 95-217), has been received or is waived from the certifying state. Attached is the state's notice advertising the request for certification.

Section 404(b)(1) Evaluation: The impact of the activity on the public interest will be evaluated in accordance with the Environmental Protection Agency guidelines pursuant to Section 404(b)(1) of the Clean Water Act.

Public Hearing: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

Endangered Species: Preliminary determinations indicate that the proposed activity may affect an endangered or threatened species or its critical habitat. Consultation under Section 7 of the Endangered Species Act of 1973 (87 Stat. 844) will be initiated. A permit for the proposed activity will not be issued until the consultation process is completed.

Cultural Resources: The described activity is located adjacent to property registered or eligible for registration in the latest published version of the National Register of Historic Places. This notice has been provided to the State Historic Preservation Office.

Evaluation: The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the described activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit, which reasonably may be expected to accrue from the described activity, must be balanced against its reasonably foreseeable detriments. All factors, which may be relevant to the described activity will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, consideration of property ownership and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors

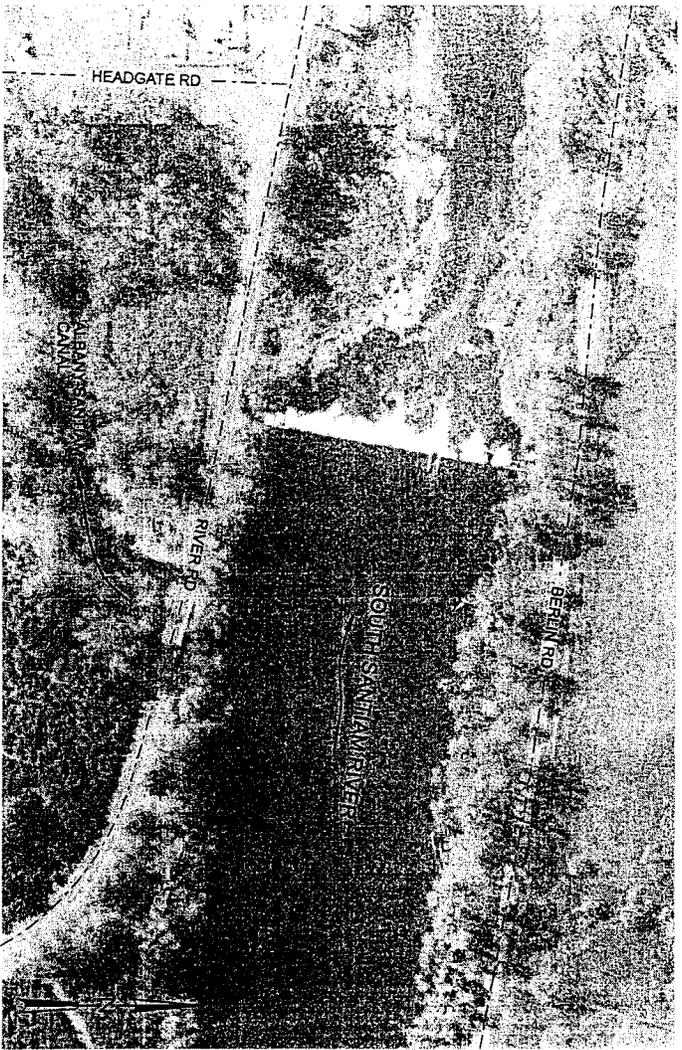
listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Additional Requirements: State law requires that leases, easements, or permits be obtained for certain works or activity in the described waters. These State requirements must be met, where applicable, and a Department of the Army permit must be obtained before any work within the applicable Statutory Authority, previously indicated, may be accomplished. Other local governmental agencies may also have ordinances or requirements, which must be satisfied before the work is accomplished.

CITY OF ALBANY

OREGON HYDROELECTRIC PROJECT DIVERSION DAM AND FISH SCREEN

ALBANY, OREGON



LOCATION MAP

PRELIMINARY
NOT FOR
CONSTRUCTION

DESIGN	J. JASNEY	DATE	
OR	J. JASNEY	NO.	
CHECKED BY		DATE	
APPROVED BY		NO.	
REVISION		DATE	

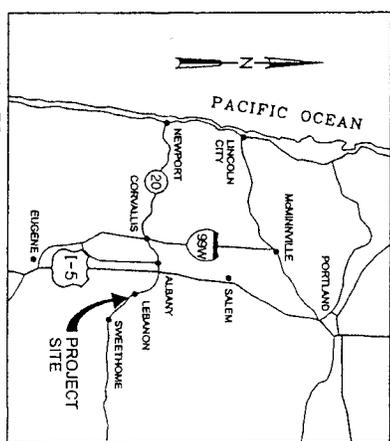
VERTICAL SCALE
SHEET ONE OF ONE
OR
ORIGINAL DRAWING
SCALE ONE INCH TO
ONE HUNDRED FEET
THIS SHEET MUST BE
READ IN CONJUNCTION
WITH SHEET NUMBER

CH2MHILL

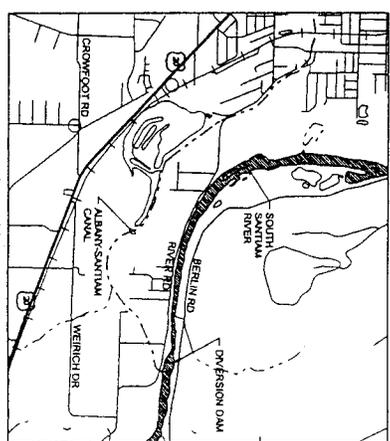
CITY OF ALBANY
ALBANY HYDROELECTRIC PROJECT
DIVERSION DAM AND FISH SCREEN

SHEET	01
DWG	G-1
DATE	NOV 2000
PROJ	1814927E

FILENAME: 01mg001e_1814927.dgn PLOT DATE: 18-NOV-2000 PLOT TIME: 15:10:23

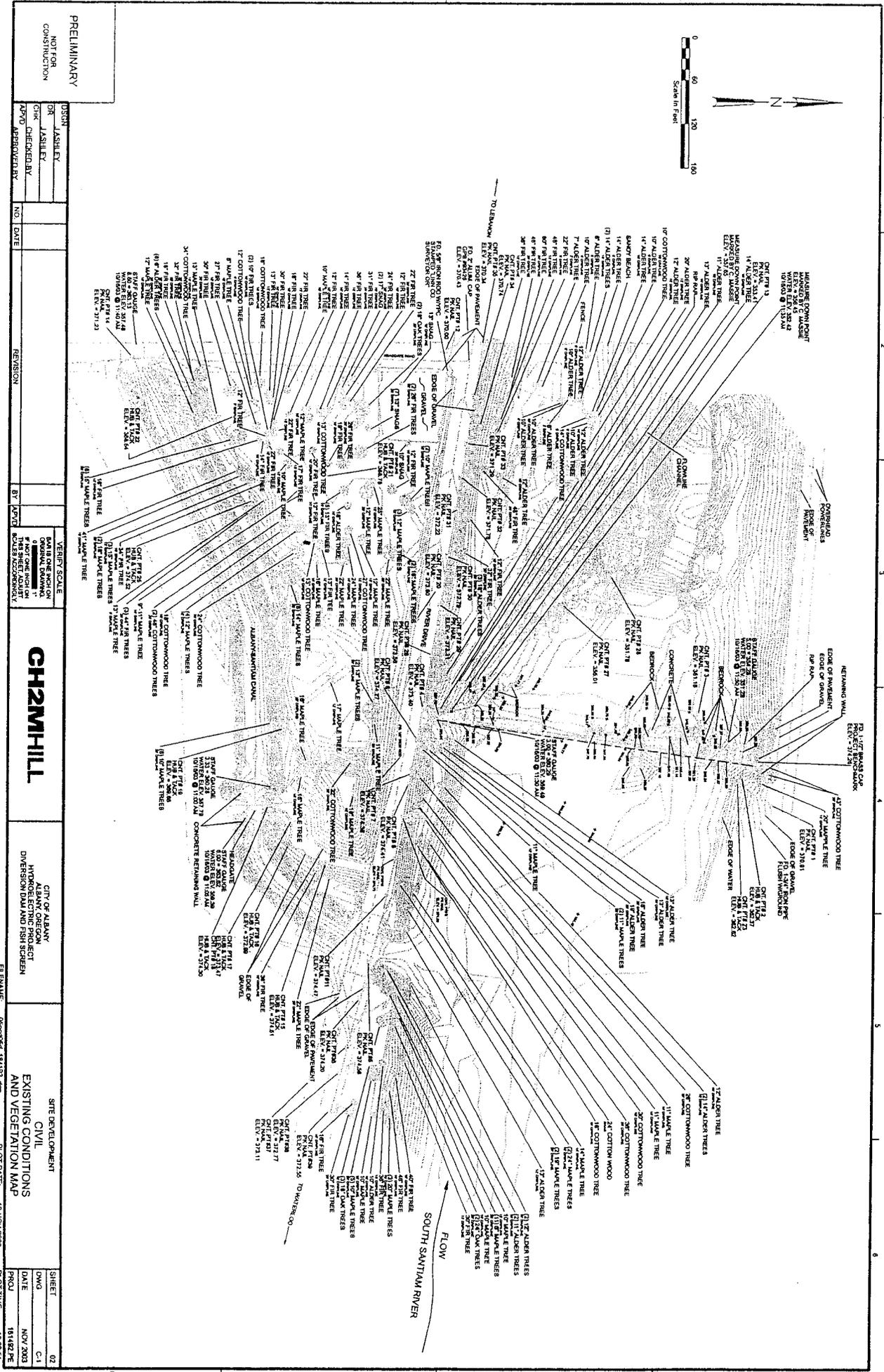


OVERALL VICINITY MAP



VICINITY MAP

Fig. 1



PRELIMINARY
NOT FOR
CONSTRUCTION

DESIGN: JASILEY
CHECKED BY: JASILEY
APPROVED BY: [Signature]

NO. DATE
REVISION

VERIFY SCALE
DATE: 11/14/2003
BY: JASILEY

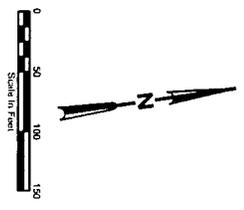
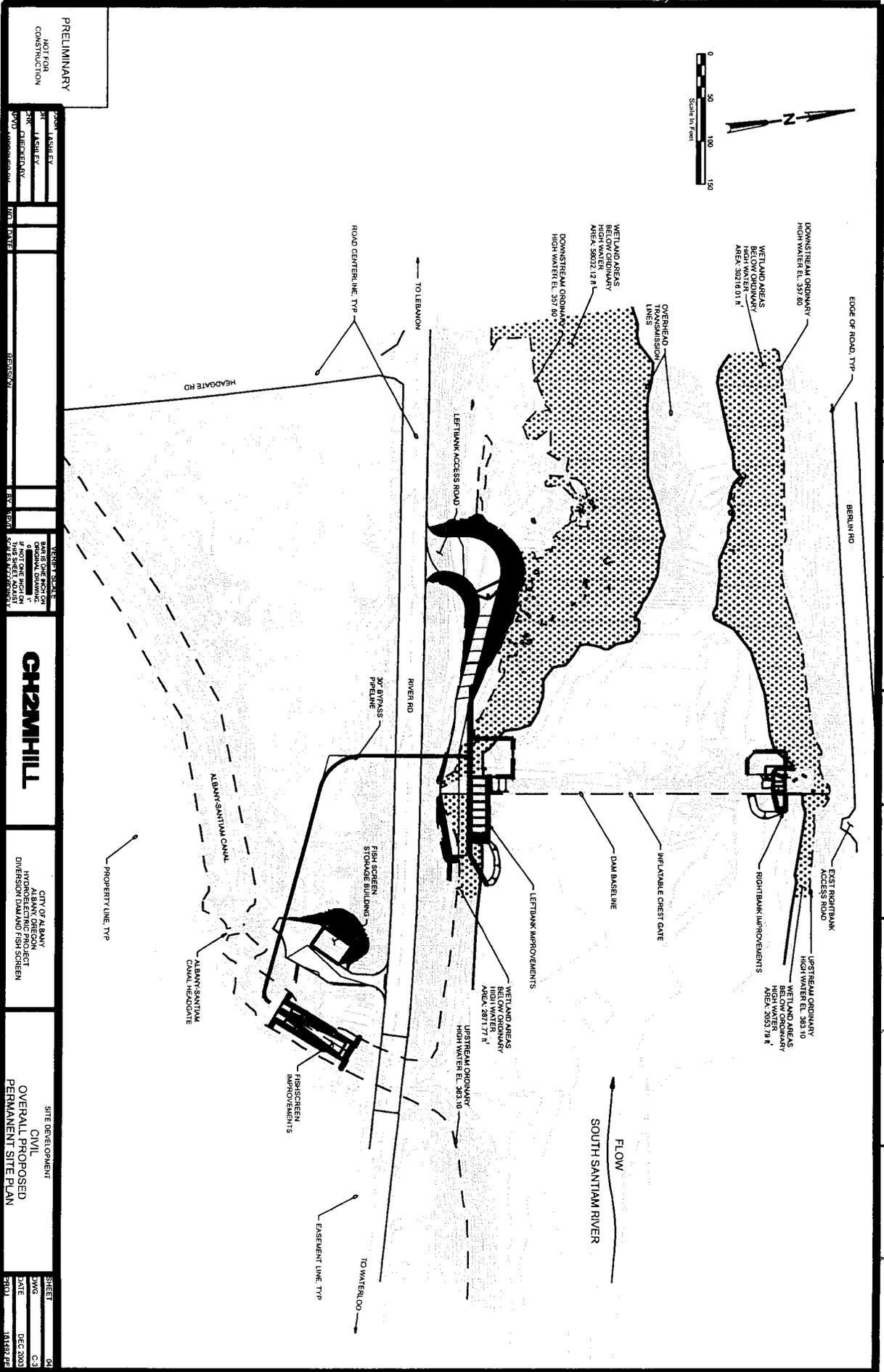
CH2MHILL

CITY OF ALBANY
ALBANY OREGON
DIVISION PLANNING AND ERM SCREEN

EXISTING CONDITIONS
AND VEGETATION MAP

SHEET: 02
DWG: C-1
DATE: NOV 2003
PROJ: 151422.PE
PLOT DATE: 15NOV/2003
PLOT TIME: 10:22:51

Fig. 2



PRELIMINARY
NOT FOR
CONSTRUCTION

DESIGNER	DATE	BY	CHECKED BY
CH2M HILL		J. ASHLEY	
PROJECT	NO. DATE	REVISION	
ALBANY-SANTIAM CANAL HEADGATE			
DATE	BY	REVISION	
10/20/07	J. ASHLEY	1.0	

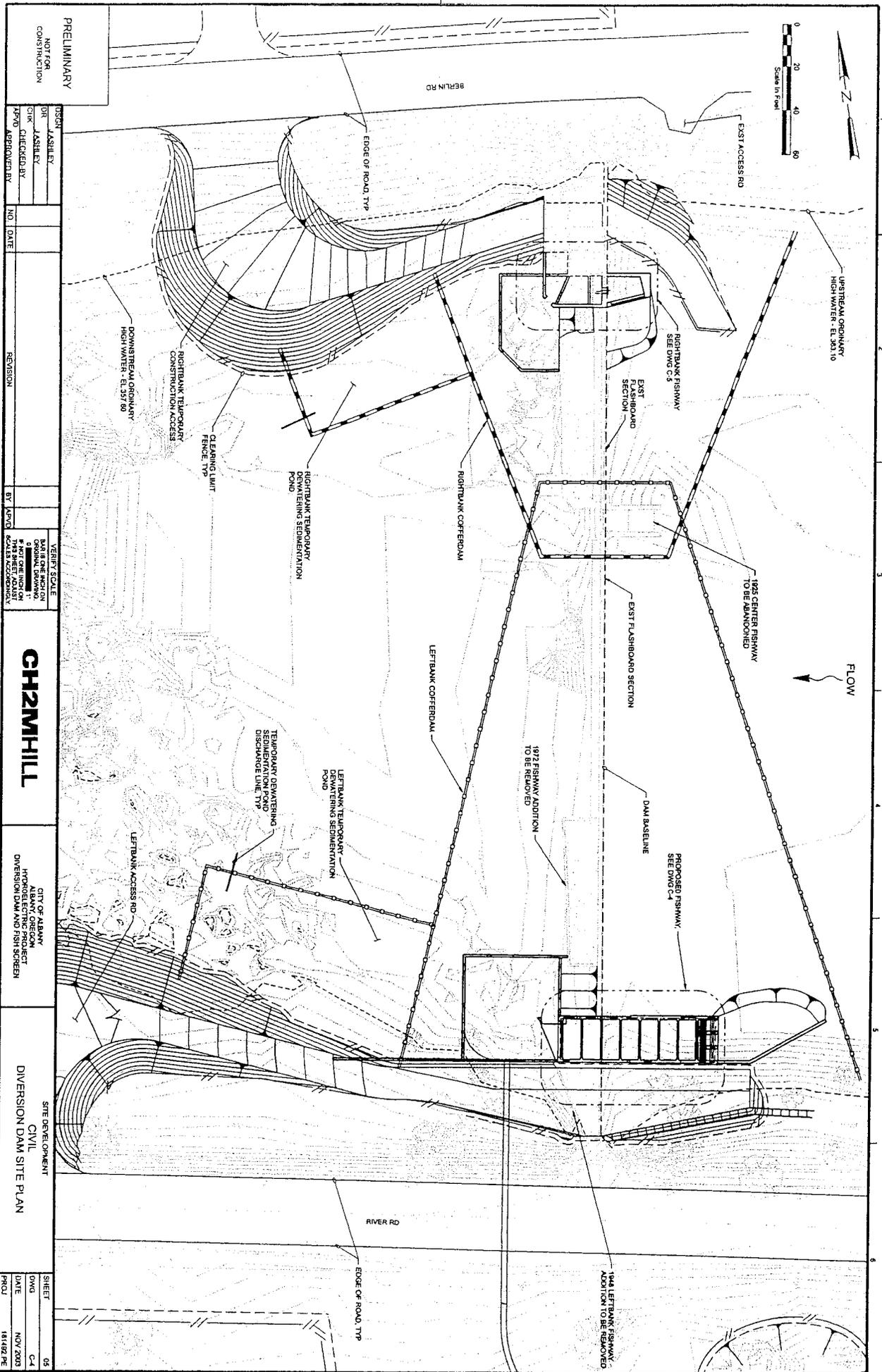
CH2MHILL

CITY OF ALBANY
ALBANY-SANTIAM CANAL HEADGATE
HYDROELECTRIC PROJECT
DIVERSION DAM AND FISH SCREEN

SHEET	DATE
01	DEC-2003
02	
03	
04	
05	
06	
07	
08	
09	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2M HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2M HILL.

FIG. 4



PRELIMINARY
NOT FOR
CONSTRUCTION

DESIGN	ASBLET
DR	ASBLET
CHK	ASBLET
TSVD	APPROVED BY
NO	DATE
REVISION	BY
NO	DATE

VERIFY SCALE	BY	DATE
8 1/4" = 1" MINIMUM		
8 1/2" = 1" MINIMUM		
9" = 1" MINIMUM		
10" = 1" MINIMUM		
11" = 1" MINIMUM		
12" = 1" MINIMUM		

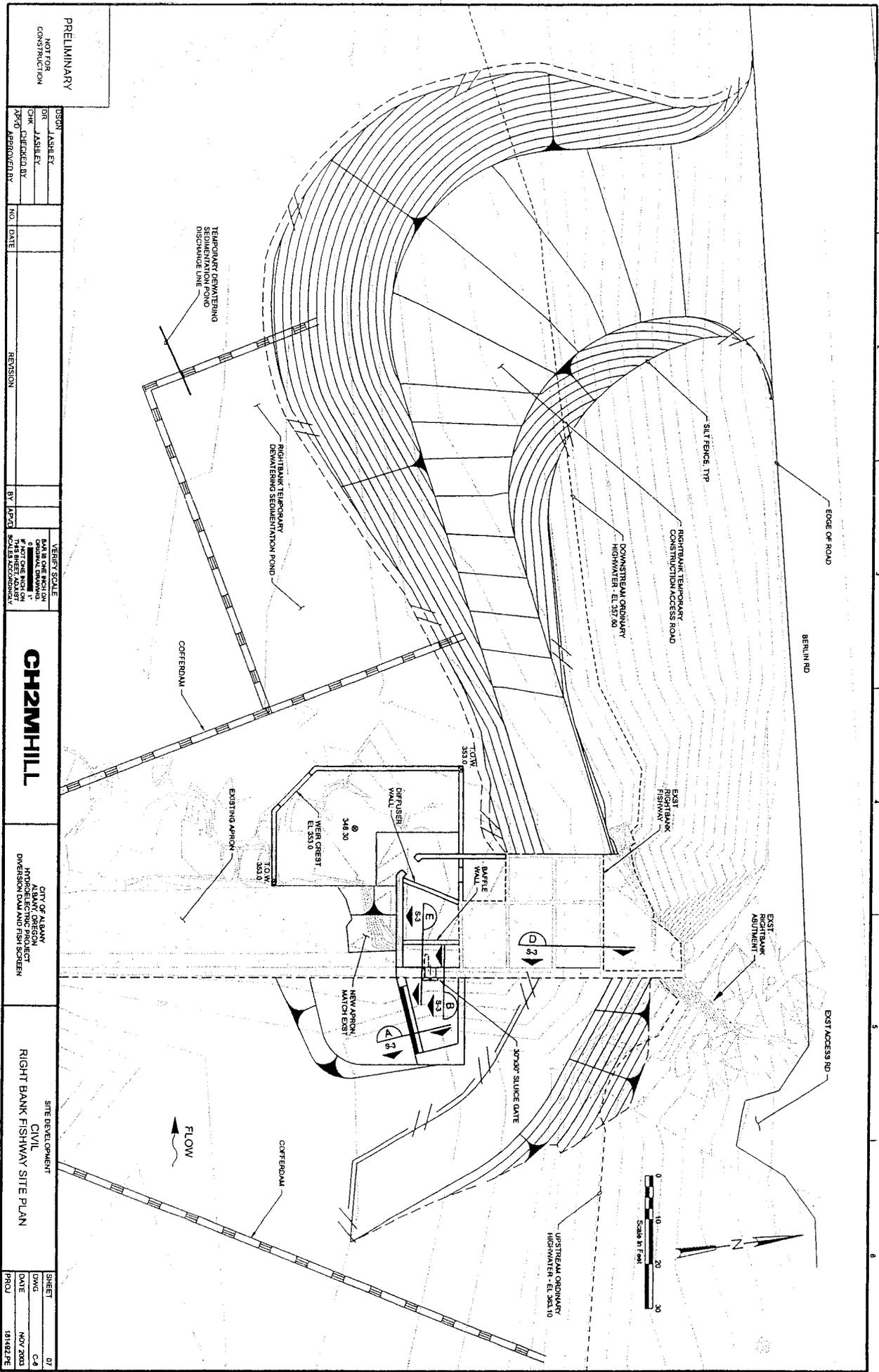
CH2MHILL

CITY OF ALABAMA
ALABAMA DEPARTMENT OF
HYDROLOGIC ENGINEERING
DIVISION OF DAMS AND FISH SCREENS

SITE DEVELOPMENT
CIVIL
DIVERSION DAM SITE PLAN

SHEET	05
DWG	C-4
DATE	NOV 2003
PROJ	14142-RE
FILENAME	55dwd10c_14142.dwg
PLOT DATE	12-NOV-2003
PLOT TIME	10:14:50

Fig 5



PRELIMINARY
NOT FOR
CONSTRUCTION

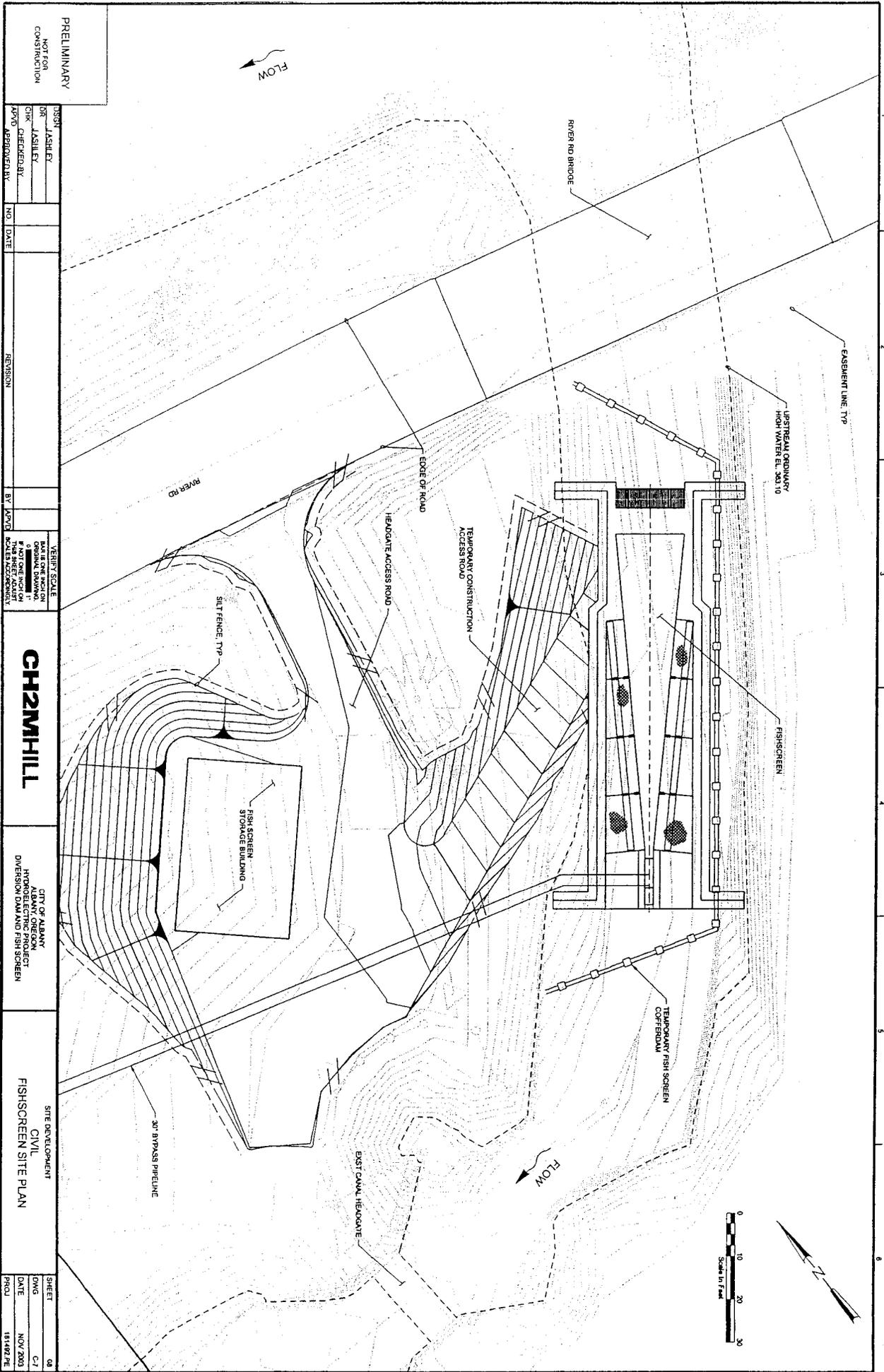
DESIGN	JASHLEY	VERIFY SCALE	DAW	8/26/2003
CHECK	JASHLEY	BY APPLICANT	NOT TO BE NOTED ON	SCALES ACCORDING TO
APPROVED BY		REVISION		
NO.	DATE	BY	APPROVED	

CH2M HILL

CITY OF ALBANY
ALBANY GREEN
DIVISION DAM AND FISH SCREEN

SITE DEVELOPMENT
RIGHT BANK FISHWAY SITE PLAN

SHEET	07
DWG	C-4
DATE	NOV 2003
PROJ	141492/PE
PLOT TIME	10:18.20



PRELIMINARY
NOT FOR
CONSTRUCTION

DESIGNER	DATE	REVISION	BY
JSSH LASHLEY			
CHK LASHLEY			
APP'D CHECKER			
NO.	DATE	REVISION	BY

VERIFY SCALE
DRAWN TO SCALE
IF NOT ON SCALE
NOT TO SCALE
NOT TO SCALE

CH2MHILL

CITY OF ALABAMA
ALABAMA DEPARTMENT OF
DIVISION DAM AND FISH SCREEN

SITE DEVELOPMENT
CIVIL
FISHSCREEN SITE PLAN

SHEET	DATE	PROJ.
08	NOV/2008	151489 PE
DWG		
DATE		
PROJ.		

FLS: 06-04-04 14812.gpr
PLOT DATE: 16-NOV-2008
PLOT TIME: 08:12:32

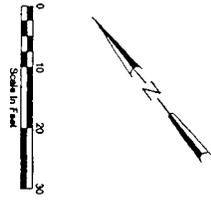
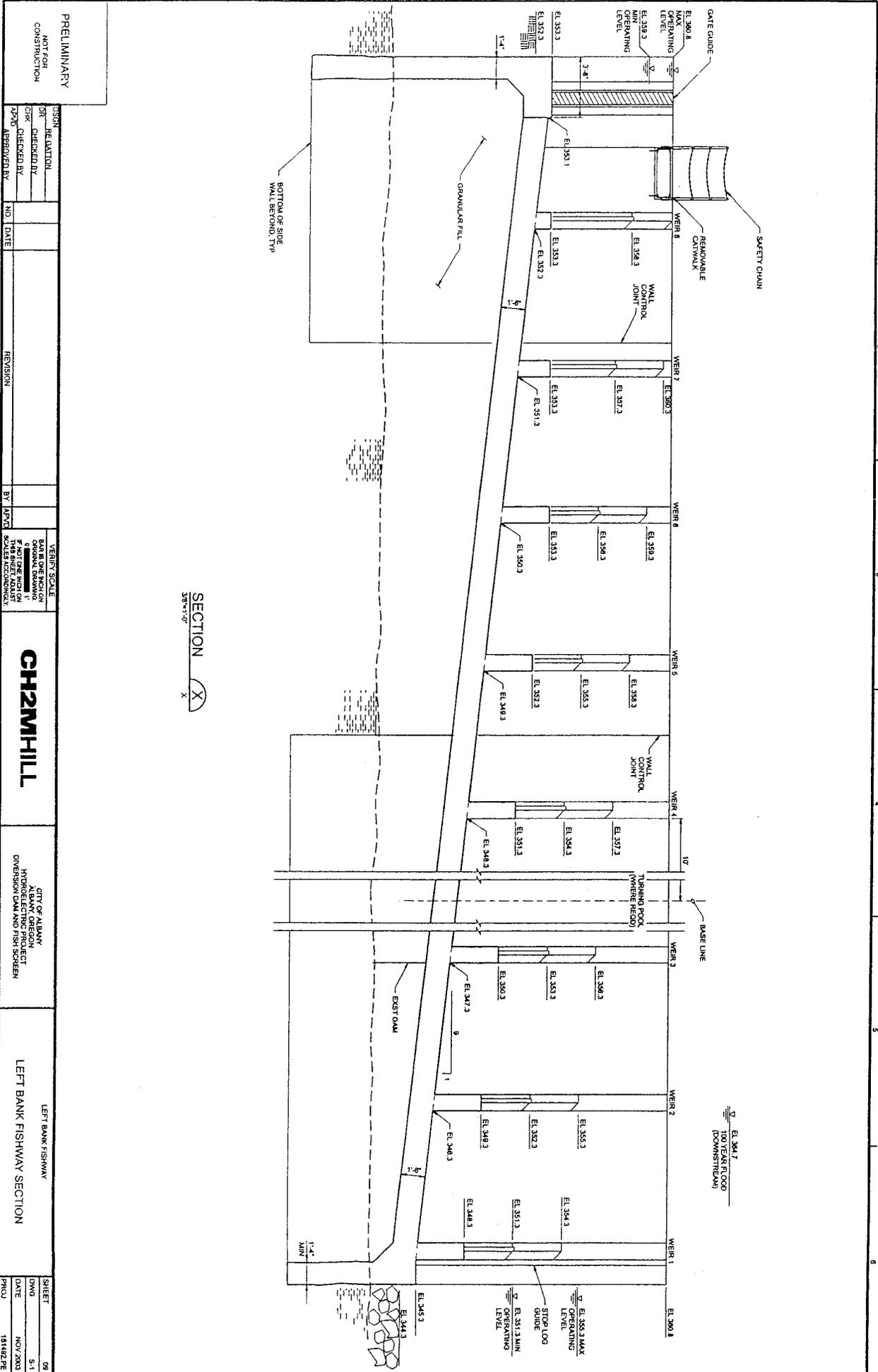


Fig 8



SECTION X-X
3/8" = 1'-0"

PRELIMINARY
NOT FOR
CONSTRUCTION

DESIGN BY	DATE	REVISION	BY	DATE
DESIGN CHECKED BY	DATE	NO.	DATE	
APPROVED BY	DATE			

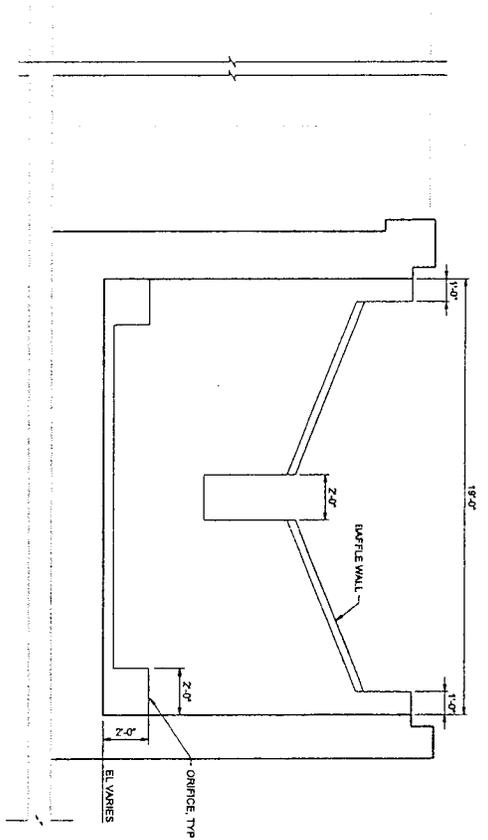
CH2MHILL

CITY OF ALBANY
ALBANY, OREGON
HYDROELECTRIC PROJECT
DIVERSION DAM AND FISH SCREEN

LEFT BANK FISHWAY
LEFT BANK FISHWAY SECTION

SHEET	09
DWG	S-1
DATE	NOV 2003
PROJ	181462.02
PLOTT TIME	05:33:32

FILE NAME: 18146202_181462.dgn PLOT DATE: 18-NOV-2003



SECTION X-X
3/8"=1'-0"

PRELIMINARY
NOT FOR
CONSTRUCTION

DESIGN BY: BE GAITON	DATE: _____
CHECKED BY: _____	DATE: _____
APP. APPROVED BY: _____	DATE: _____
NO. _____	DATE: _____
REVISION	BY: _____

VERIFY SCALE
DRAW ONE SECTION
IF NOT ONE SECTION
SCALE ACCORDINGLY

CH2MHILL

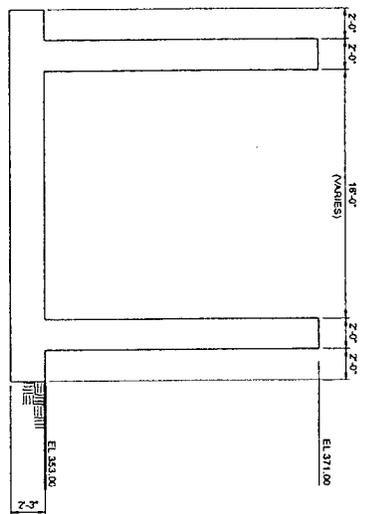
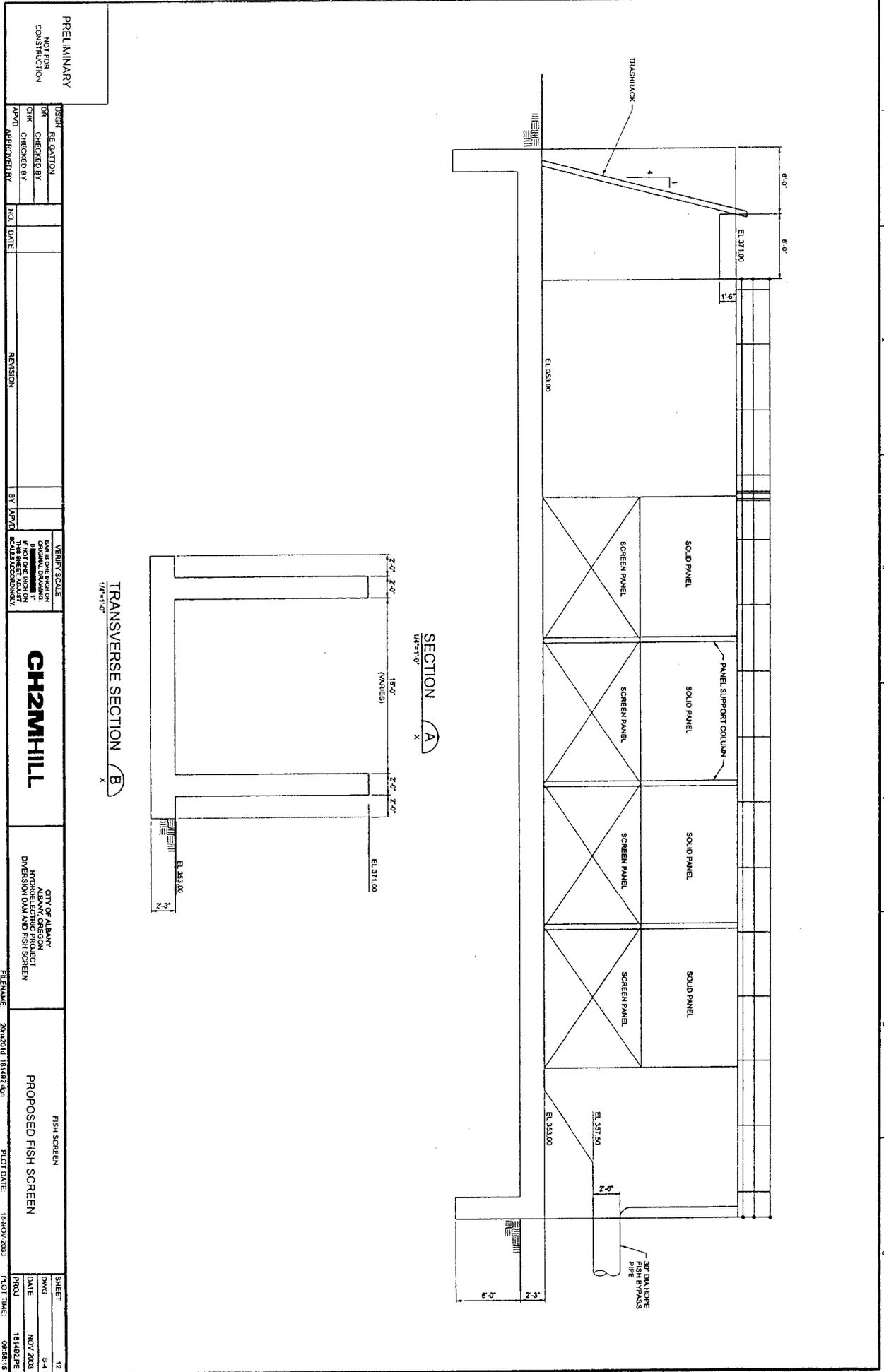
CITY OF ALBANY
HYDROLOGIC PROJECT
DIVERSION DAM AND FISH SCREEN

LEFT BANK FISHWAY
LEFT BANK FISHWAY SECTIONS

FILENAME: 10w202d_181422.dwg PLOT DATE: 18NOV2003

SHEET	10
DWG	S-2
DATE	NOV 2003
PROJ	181422P
PLOT TIME	09:59:01

Fig 10



TRANSVERSE SECTION A-B
1/4"=1'-0"

PRELIMINARY
NOT FOR
CONSTRUCTION

DESIGNER	REVISION
CHECKED BY	NO.
APPROVED BY	DATE

VERIFY SCALE
DATE
BY

CH2MHILL

CITY OF ALABAMA
HYDROELECTRIC PROJECT
DIVERSION DAM AND FISH SCREEN

FISH SCREEN
PROPOSED FISH SCREEN

SHEET	12
DWG	9-4
DATE	NOV/2003
PROJ	181482/2E

FIG 12

Oregon Department of Environmental Quality

Water Quality 401 Certification

Corps of Engineers Action ID Number: 200300796
Oregon Division of State Lands Number: 31465-RF

Notice Issued: May 10, 2004
Written Comments Due: June 9, 2004

WHO IS THE APPLICANT: City of Albany

LOCATION OF CERTIFICATION ACTIVITY: See attached U.S. Army Corps of Engineers public notice

WHAT IS PROPOSED: See attached U.S. Army Corps of Engineers public notice on the proposed project

NEED FOR CERTIFICATION: Section 401 of the Federal Clean Water Act requires applicants for Federal permits or licenses to provide the Federal agency a water quality certification from the State of Oregon if the proposed activity may result in a discharge to surface waters.

DESCRIPTION OF DISCHARGES: See attached U.S. Army Corps of Engineers public notice on the proposed project

WHERE TO FIND DOCUMENTS: Documents and related material are available for examination and copying at Oregon Department of Environmental Quality, Water Quality Division, 811 S.W. 6th Avenue, Portland, Oregon 97204

While not required, scheduling an appointment will ensure documents are readily accessible during your visit. To schedule an appointment please call Alice Kavajecz at (503) 229-6962.

Any questions on the proposed certification may be addressed to the 401 Program Coordinator at (503) 229-5845.

PUBLIC PARTICIPATION:

Public Hearing: Oregon Administrative Rule (OAR) 340-48-0020 (6) states that "The Director shall provide an opportunity for the applicant, any affected state, or any interested agency, person, or group of persons to request or petition for a public hearing with respect to certification applications. If the Director determines that new information may be produced thereby, a public hearing will be held prior to the Director's final determination. Instances of doubt shall be resolved in favor of holding the hearing. There shall be public notice of such a hearing."

Written comments:

Written comments on the proposed certification must be received at the Oregon Department of Environmental Quality by 5 p.m. on (full date). Written comments should be mailed to Oregon Department of Environmental Quality, Attn: 401 Program Coordinator, 811 S.W. 6th Avenue, Portland, Oregon 97204. ***People wishing to send written comments via e-mail should be aware that if there is a delay between servers or if a server is not functioning properly, e-mails may not be received prior to the close of the public comment period.*** People wishing to send comments via e-mail should send them in Microsoft Word (through version 7.0), WordPerfect (through version 6.x) or plain text format to melville.tom@deq.state.or.us. Otherwise, due to conversion difficulties, DEQ recommends that comments be sent in hard copy.

WHAT HAPPENS NEXT: DEQ will review and consider all comments received during the public comment period. Following this review, the permit may be issued as proposed, modified, or denied. You will be notified of DEQ's final decision if you present either oral or written comments during the comment period. Otherwise, if you wish to receive notification, please call or write DEQ at the above address.

ACCESSIBILITY INFORMATION: This publication is available in alternate format (e.g. large print, Braille) upon request. Please contact DEQ Office of Communications and Outreach at (503) 229-5317 or toll free within Oregon at 1-800-452-4011 to request an alternate format. People with a hearing impairment can receive help by calling DEQ's TTY at (503) 229-6993.

PUBLIC NOTICE

OREGON COASTAL MANAGEMENT PROGRAM

CONSISTENCY CERTIFICATION

Date: May 10, 2004

Corps of Engineers Action ID Number: 200300796
Oregon Division of State Lands Number: 31465-RF

Notification

For projects subject to coastal zone review, notice is hereby given that the project is being reviewed by the Department of Land Conservation and Development (DLCD) as provided in Section 307(c) of the Coastal Zone Management Act. The applicant believes that the activities described in the attached materials would comply with and be conducted in a manner consistent with the Oregon Coastal Management Program. Project information can be made available for inspection at DLCD's Salem office.

DLCD is hereby soliciting public comments on the proposed project's consistency with the Oregon Coastal Management Program. Written comments may be submitted to DLCD, 635 Capital St. NE, Suite 200, Salem, OR 97301-2540, attention consistency review specialist. Any comments must be received by DLCD on or before the comment deadline listed in the federal notice. For further information, you may call DLCD at (503) 373-0050, ext. 250.

REVIEW CRITERIA

Comments should address consistency with the applicable elements of the Oregon Coastal Management Program. These elements include:

- Acknowledged Local Comprehensive Plans & Implementing Ordinances
- Statewide Planning Goals
- Applicable State Authorities (e.g. Removal-Fill Law and Oregon Water Quality Standards)

INCONSISTENT?

If you believe this project is inconsistent with the Oregon Coastal Management Program, your comments to DLCD should explain why you believe the project is inconsistent and should identify the Oregon Coastal Management Program element(s) in question. You should also describe how the project could be modified, if possible, to make it consistent with the Oregon Coastal Management Program.