

# CONSTRUCTION PLANS FOR Fort Goff Fish Passage and Screen Project

May 2021

Approved by: \_\_\_\_\_

Landowner: \_\_\_\_\_, Date \_\_\_\_\_  
Siskiyou RCD: \_\_\_\_\_, Date \_\_\_\_\_



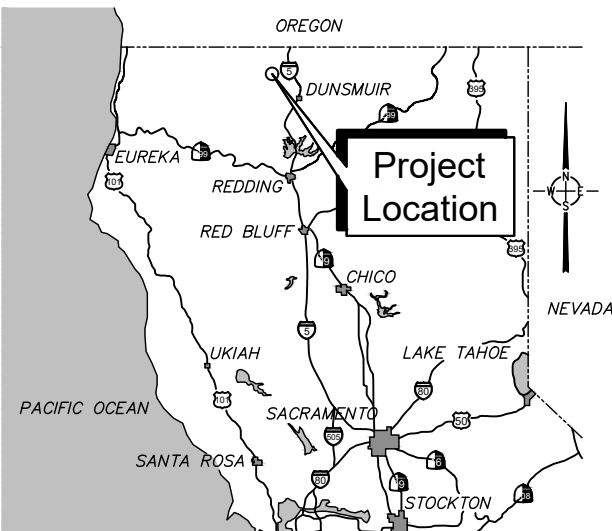
Leonard Joey Howard  
CALIFORNIA REGISTERED  
PROFESSIONAL ENGINEER NO. # 53319  
Cascade Stream Solutions, LLC

## SHEET INDEX

TITLE SHEET	1
CONSTRUCTION EXTENT AND DEMOLITION PLAN	2
PLAN SHEET	3
FISH SCREEN PLAN SHEET	4
PROFILE SHEET	5
FISH SCREEN DETAIL SHEET	6
INTAKE DETAIL SHEET	7

## GENERAL NOTES

1. TOPOGRAPHY IS BASED ON TOPOGRAPHIC DATA COLLECTED BY THE SISKIYOU RESOURCE CONSERVATION DISTRICT AND CASCADE STREAM SOLUTIONS. CONTRACTOR SHALL NOTIFY THE SISKIYOU RCD IF CONTRACTOR NOTES DISCREPANCIES BETWEEN THE PLANS AND THE STREAM BANK. TOPOGRAPHY SHOWN ON THESE PLANS WERE DEVELOPED AND USED FOR DESIGN PURPOSES ONLY AND DO NOT REPRESENT A LAND SURVEY.
2. CONTRACTOR SHALL NOTIFY USA NORTH AT 811 OR 1-800-227-2600 OR WWW.USANORTH.ORG TO REQUEST IDENTIFICATION AND LOCATION OF EXISTING UNDERGROUND UTILITIES. CONTRACTOR SHALL CONTACT USA NORTH 2 TO 14 DAYS BEFORE PLANNED EXCAVATION DATE.
3. THIS PROJECT IS SUBJECT TO REQUIREMENTS OF PERMITS ISSUED BY VARIOUS REGULATORY AGENCIES. THE CONTRACTOR IS RESPONSIBLE TO UNDERSTAND AND PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE PERMITS. PRIOR TO COMMENCING WORK THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE TO VERIFY THE MOST RECENT COPY OF ALL APPLICABLE PERMITS ARE INCORPORATED IN TO THE PROJECT CONSTRUCTION DOCUMENTS.
4. THE CONTRACTOR IS RESPONSIBLE FOR DEVELOPING AN EROSION CONTROL AND POLLUTION PREVENTION PLAN FOR CONSTRUCTION ACTIVITIES. THIS PLAN MUST BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION ACTIVITIES COMMENCING FOR THIS PROJECT.
5. WHEN CONDITIONS IN THE FIELD DO NOT CONFORM WITH INFORMATION IN THESE PLANS AND/OR WHEN UNUSUAL CIRCUMSTANCES ARISE DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE OWNER'S REPRESENTATIVE.
6. IN THE EVENT THAT ANY ARCHEOLOGICAL ARTIFACTS ARE UNCOVERED DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL STOP ALL WORK IMMEDIATELY IN THE AREA AND CONTACT THE OWNER'S REPRESENTATIVE. WORK IN THE AREA SHALL NOT RESUME UNTIL APPROVED BY THE OWNER'S REPRESENTATIVE.



Siskiyou RCD  
450 Main St, Etna, CA 96027

Cascade Stream Solutions

961 Bellview Ave.  
Ashland, Oregon 97520  
Phone: (541) 864-0492



### Drawing Information

Date	24 May 2021
Status	Final
Designer	
Drafter	
Checked	
File Name	Fort Goff Final Plans
Plotted Scale	0 1/2 1

### Revisions

No.	Date	Description

DATE: 2021.05.20



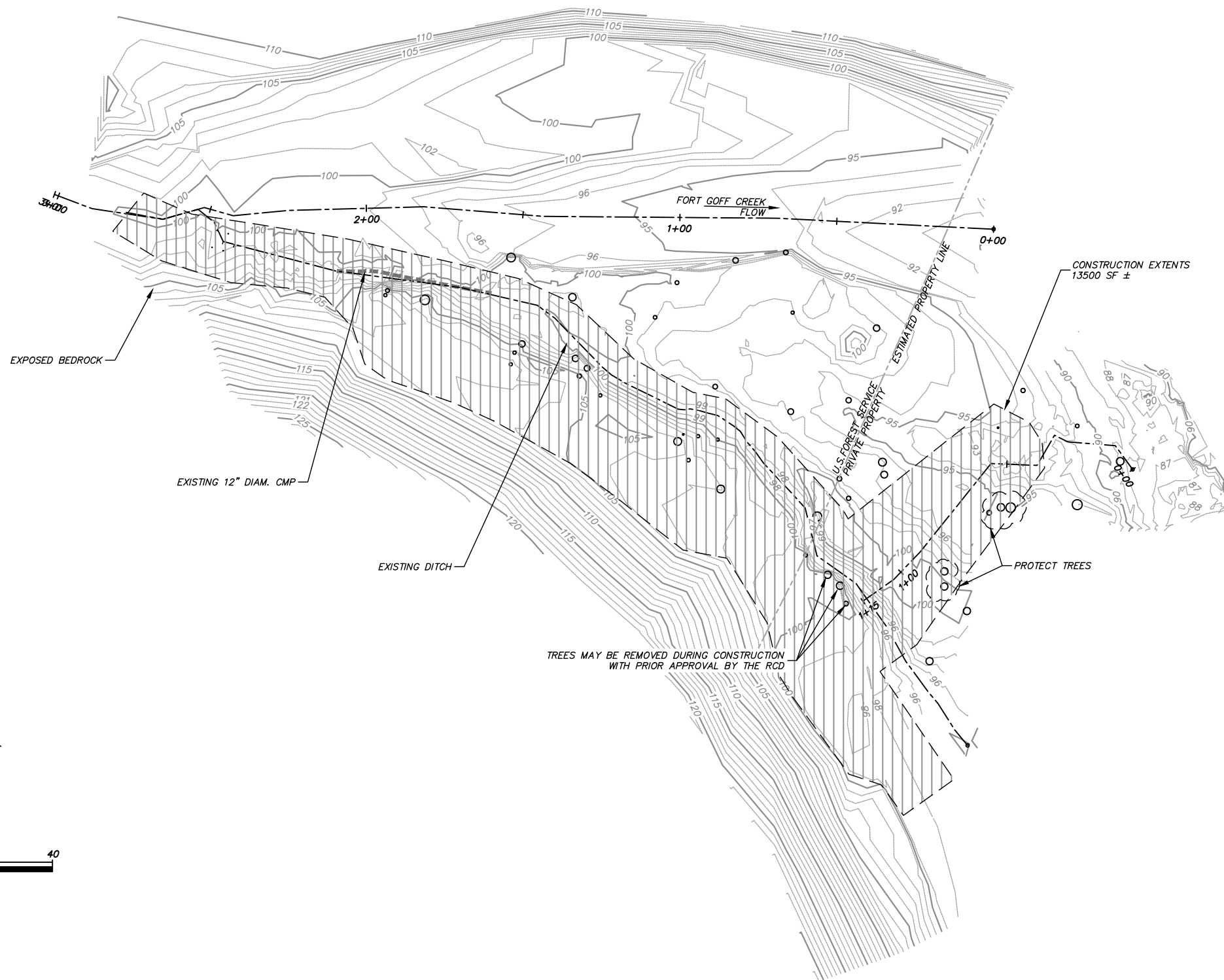
Fort Goff Fish Passage and  
Screen Project  
Title Sheet

Job Number

Sheet Number

1

Sheet 1 of 7



Siskiyou RCD  
450 Main St, Etna, CA 96027

Cascade Stream Solutions

961 Bellview Ave.  
Ashland, Oregon 97520  
Phone: (541) 864-0492



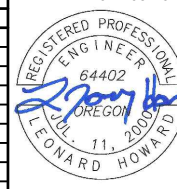
Drawing Information

Date	24 May 2021
Status	Final
Designer	
Drafter	
Checked	
File Name	Fort Goff Final Plans
Plotted Scale	0 1/2 1

Revisions

No.	Date	Description

DATE: 2021.05.20



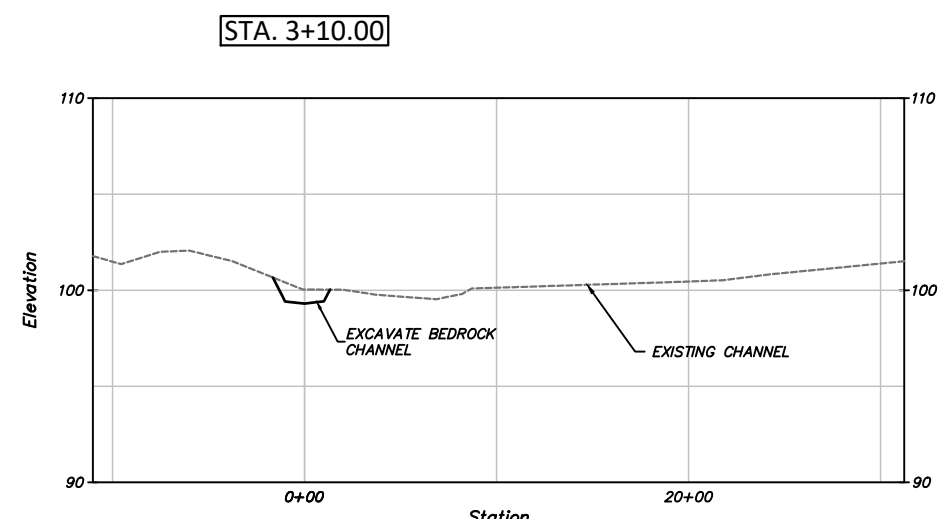
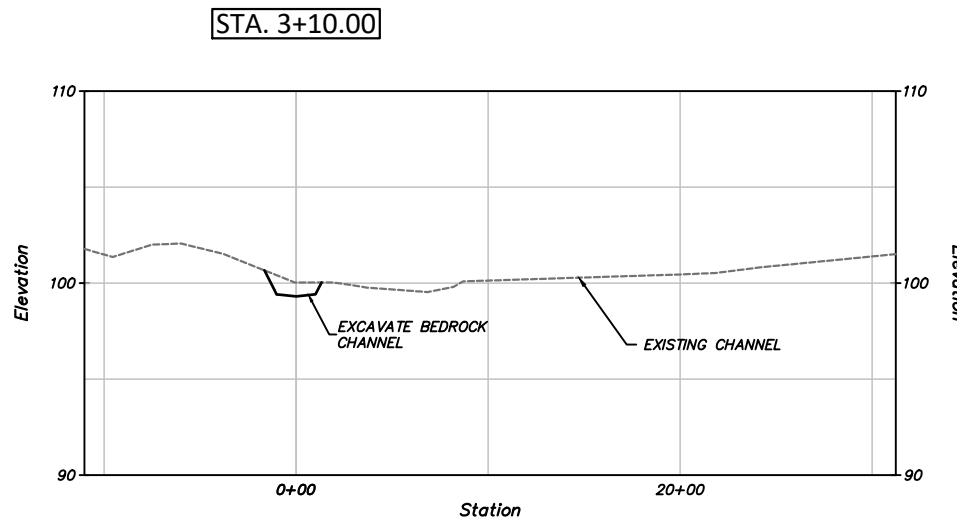
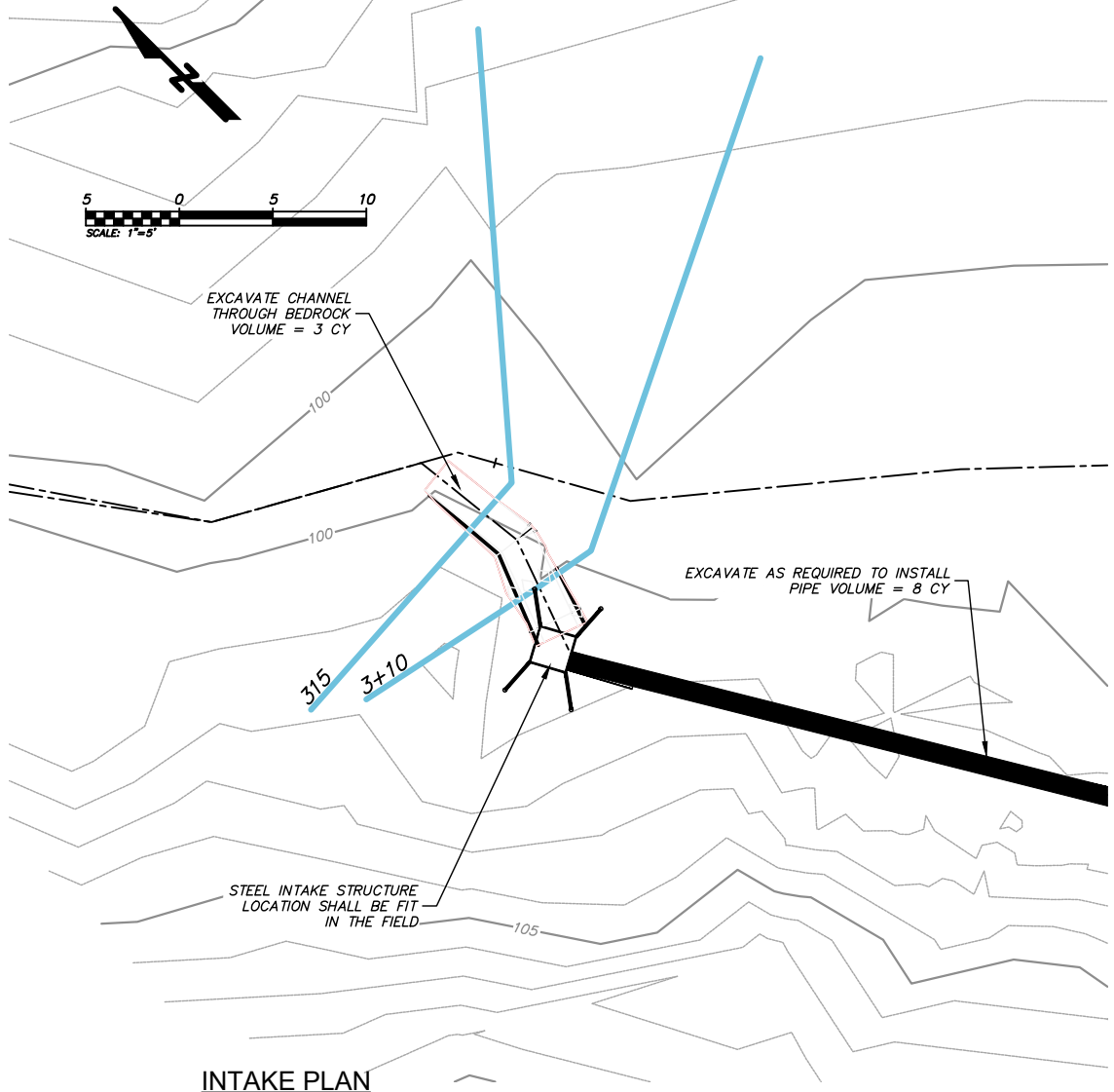
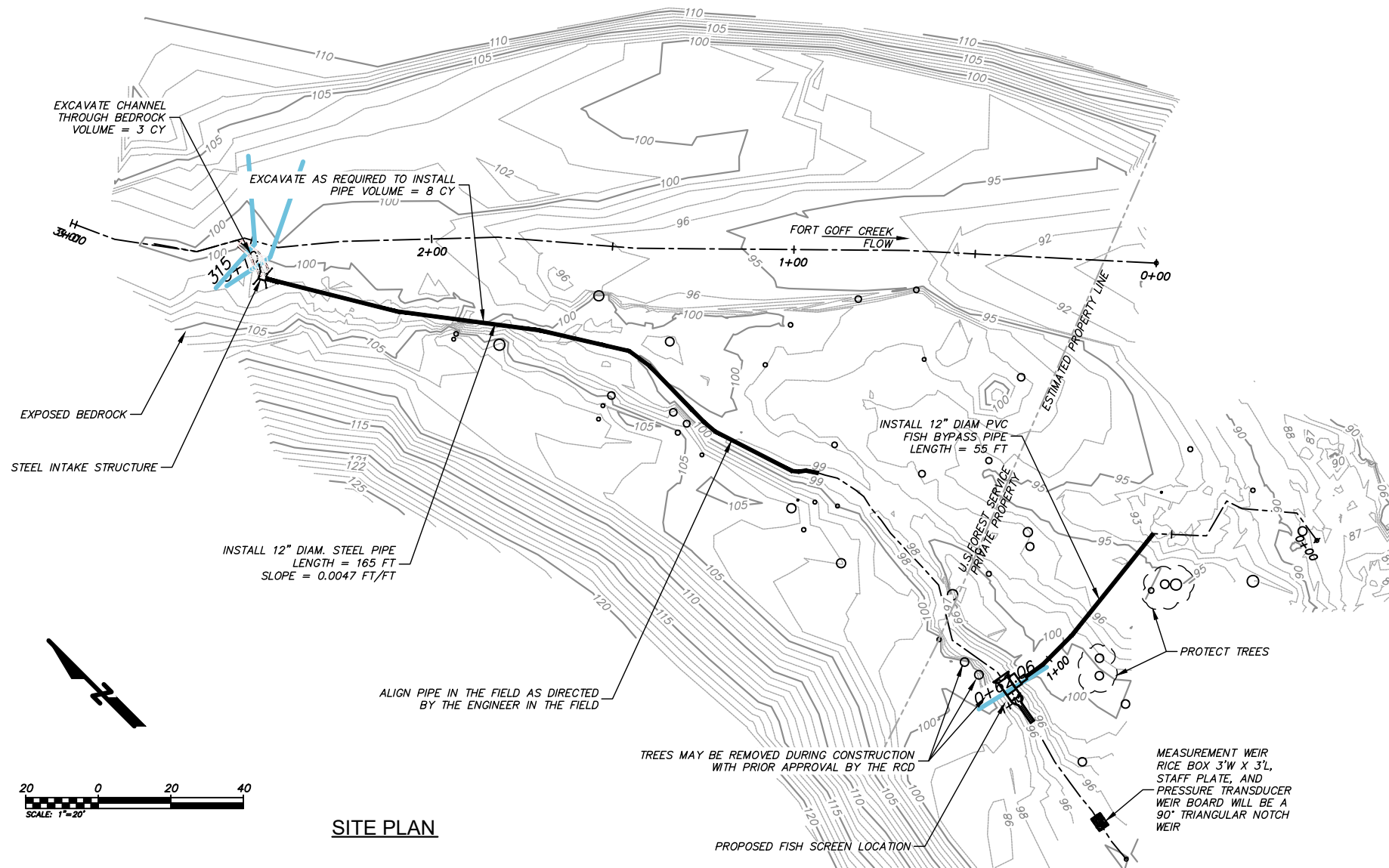
Fort Goff Fish Passage and  
Screen Project  
Construction Extents and Demolition Sheet

Job Number

Sheet Number

2

Sheet 2 of 7

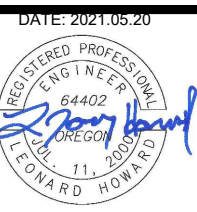


Siskiyou RCD  
450 Main St, Etna, CA 96027

Cascade Stream Solutions

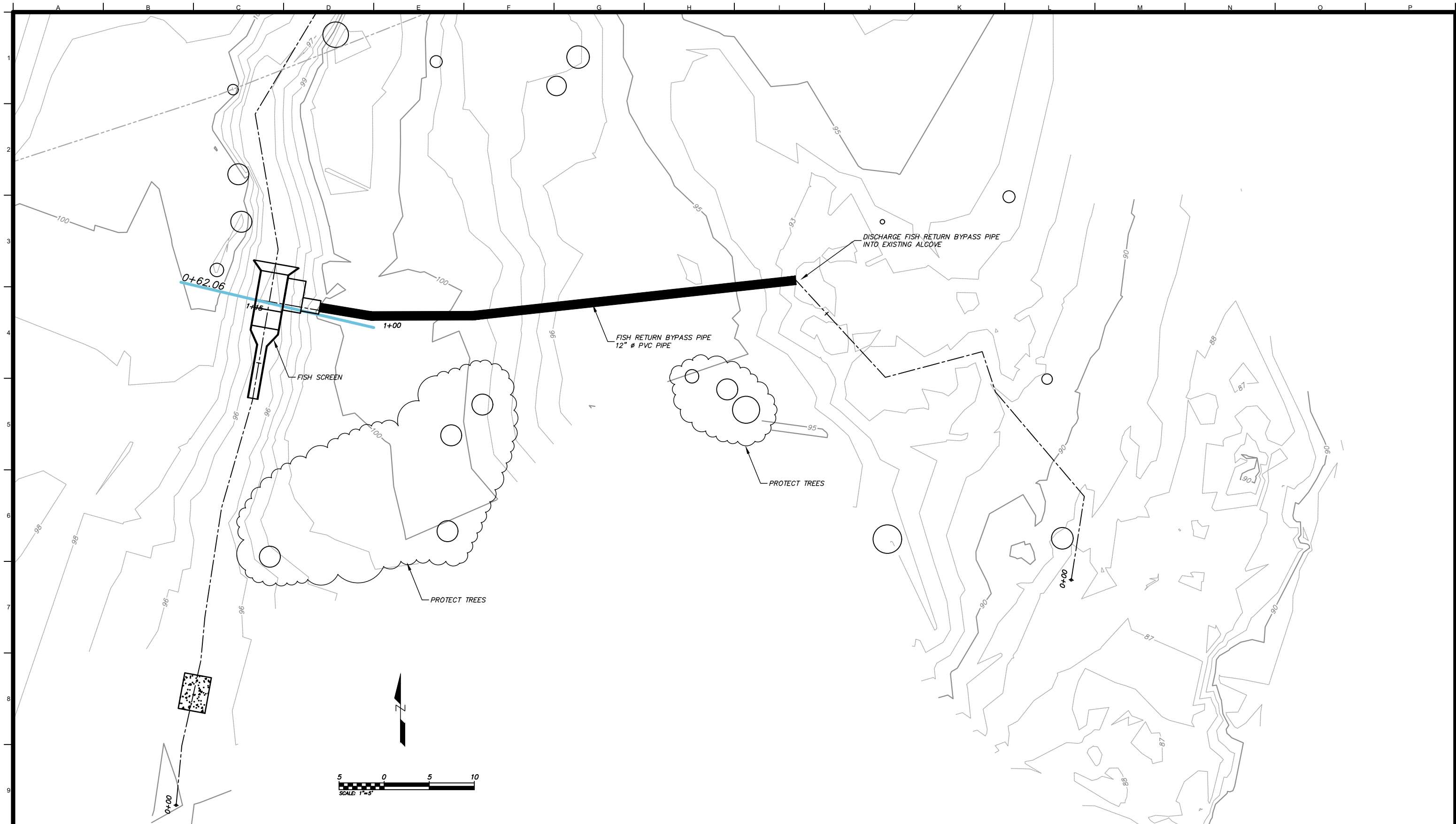
961 Bellview Ave.  
Ashland, Oregon 97520  
Phone: (541) 864-0492

Drawing Information		Revisions	
Date	24 May 2021	No.	Date
Status	Final		
Designer			
Drafter			
Checked			
File Name	Fort Goff Final Plans		
Plotted Scale	0 1/2 1		



Fort Goff Fish Passage and  
Screen Project  
Plan Sheet






Siskiyou RCD  
450 Main St, Etna, CA 96027

Cascade Stream Solutions


961 Bellview Ave.  
Ashland, Oregon 97520  
Phone: (541) 864-0492



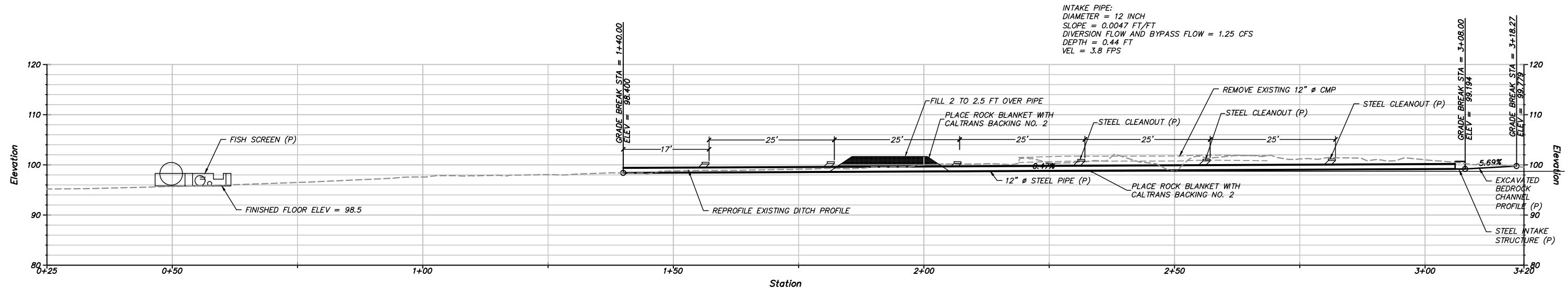
Cascade  
STREAM SOLUTIONS

Drawing Information		Revisions		
Date	24 May 2021	No.	Date	Description
Status	Final			
Designer				
Drafter				
Checked				
File Name	Fort Goff Final Plans			
Plotted Scale				

DATE: 2021.05.20



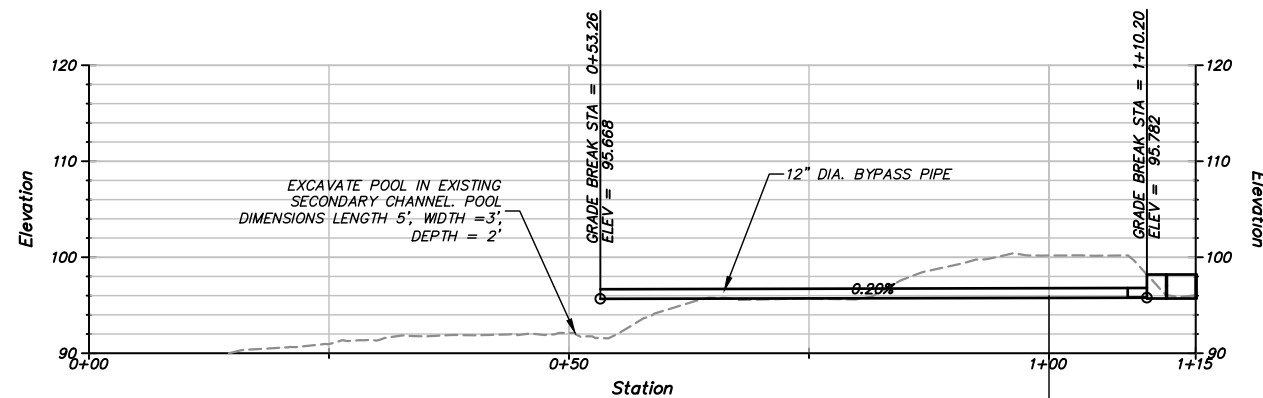
Fort Goff Fish Passage and  
Screen Project  
Fish Screen and Bypass Pipe Plan Sheet



**INTAKE DITCH AND SCREEN PROFILE**  
SCALE: HORIZ: 1"=10' VERT: 1"=10'

- NOTES:
1. CONTRACTOR SHALL ATTACH STEEL PIPE TO BEDROCK. CONTRACTOR SHALL PROPOSE A METHOD FOR REVIEW AND APPROVAL BY THE ENGINEER.
  2. CONSTRUCT ROCK BLANKET WITH CALTRANS BACKING NO. 2. ROCK BLANKET IN UPSTREAM OF PIPE FILL. PLACE 6 TONS AT A THICKNESS OF 2 FEET IN TWO LOCATIONS AS SHOWN ON THE PROFILE AND AS DIRECTED BY THE ENGINEER IN THE FIELD.
  3. INSTALL BRIGGS PRECAST RICE BOX 4'W X 4'L OR APPROVED EQUAL.
  4. COVER PRECAST RICE BOX WITH NETTING OR OTHER APPROVED MATERIAL

BYPASS PIPE:  
DIAMETER = 12 INCH  
SLOPE = 0.0020 FT/FT  
BYPASS FLOW = 0.5 CFS  
DEPTH = 0.33 FT  
VEL = 2.1 FPS



**FISH BYPASS PIPE PROFILE**  
SCALE: HORIZ: 1"=10' VERT: 1"=10'

Siskiyou RCD  
450 Main St, Etna, CA 96027

Cascade Stream Solutions

961 Bellview Ave.  
Ashland, Oregon 97520  
Phone: (541) 864-0492



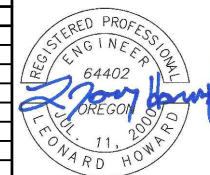
Drawing Information

Date	24 May 2021
Status	Final
Designer	
Drafter	
Checked	
File Name	Fort Goff Final Plans
Plotted Scale	0 1/2 1

Revisions

No.	Date	Description

DATE: 2021.05.20



Fort Goff Fish Passage & Screen  
Project

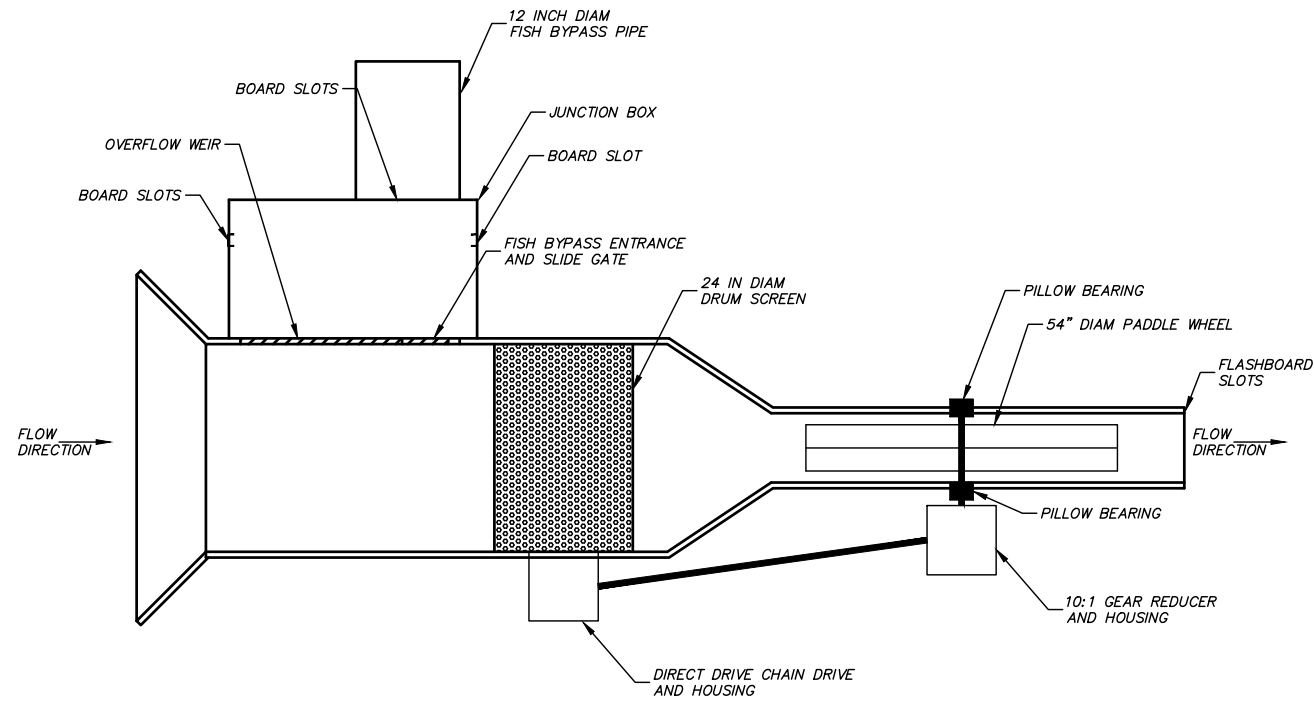
Ditch and Fish Bypass Pipe Profile Sheet

Job Number

Sheet Number

5

Sheet 5 of 7



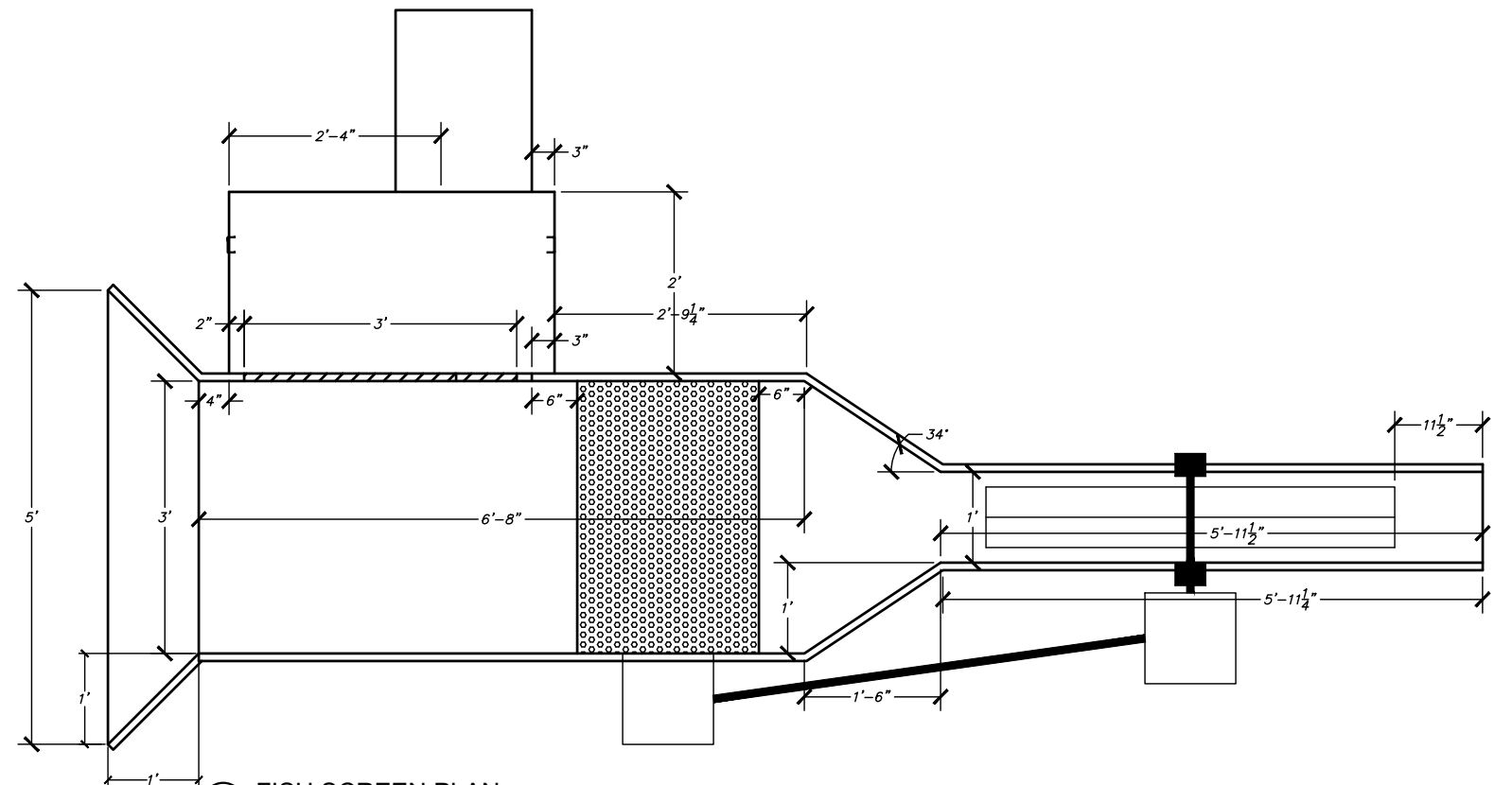
**(A) FISH SCREEN PLAN**  
NOT TO SCALE



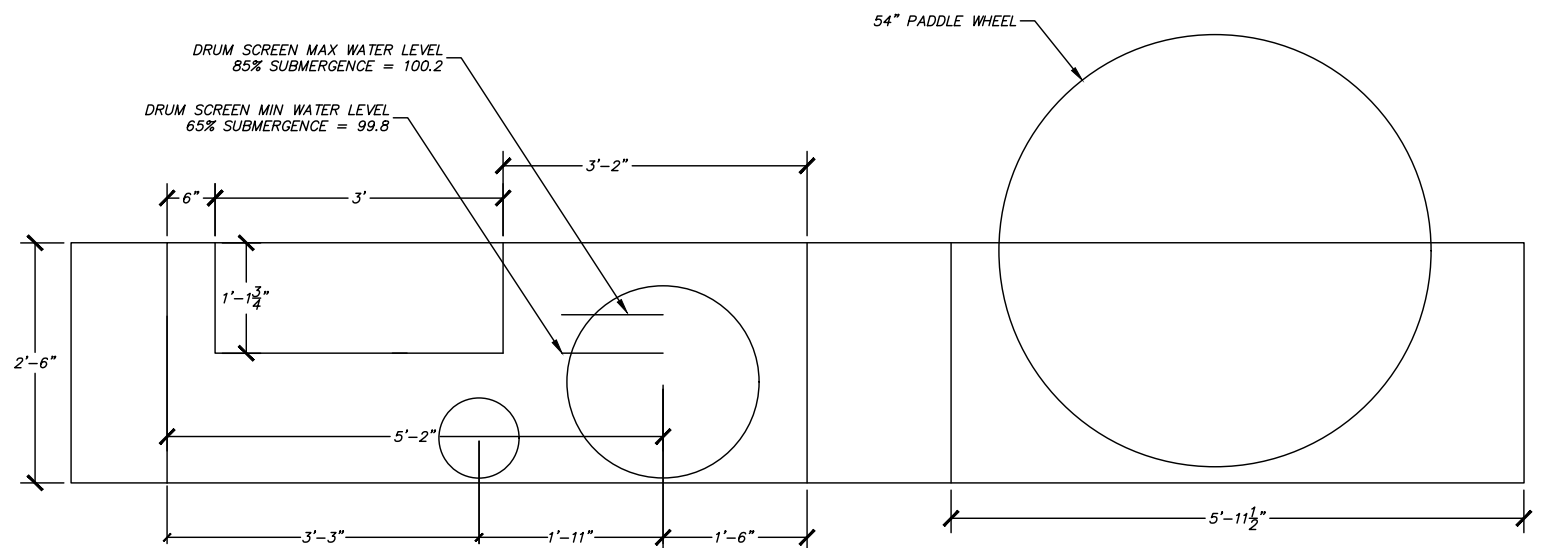
**(D) FISH SCREEN EXAMPLE**  
NOT TO SCALE - (BYPASS WEIR AND JUNCTION BOX NOT SHOWN)

**NOTES:**

1. CASCADE STREAM SOLUTIONS WILL WORK WITH COOPERBUILT TO DEVELOP FISH SCREEN.



**(B) FISH SCREEN PLAN**  
H: 1'=1' V: 1'=1'



**(C) FISH SCREEN ELEVATION**  
H: 1'=1' V: 1'=1'

Siskiyou RCD  
450 Main St, Etna, CA 96027

**Cascade Stream Solutions**

961 Bellview Ave.  
Ashland, Oregon 97520  
Phone: (541) 864-0492



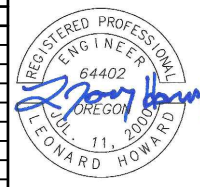
**Drawing Information**

Date	24 May 2021
Status	Final
Designer	
Drafter	
Checked	
File Name	Fort Goff Final Plans
Plotted Scale	0 1/2 1

**Revisions**

No.	Date	Description

DATE: 2021.05.20



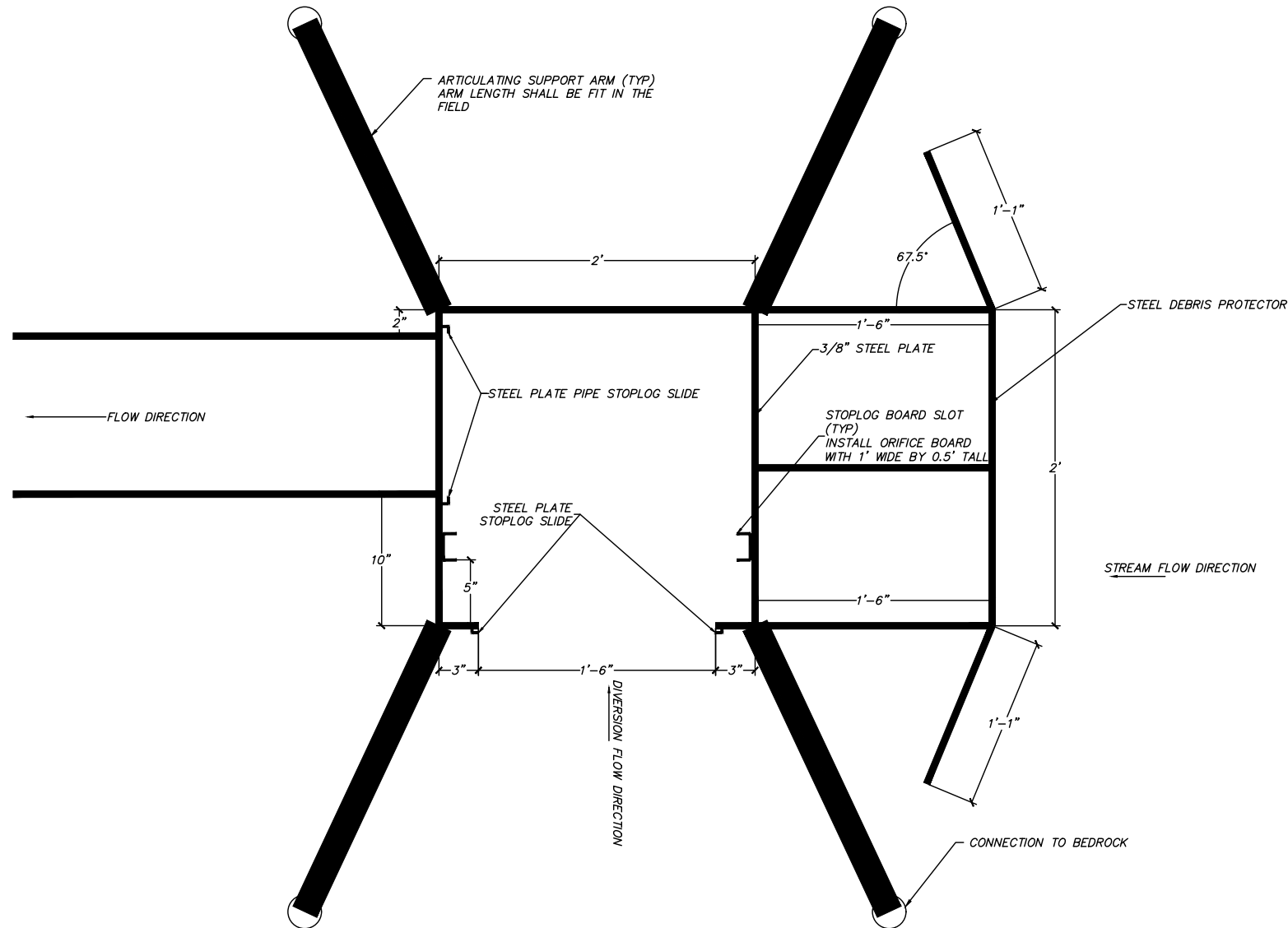
**Fort Goff Fish Passage and  
Screen Project**  
**Fish Screen Detail Sheet**

Job Number

Sheet Number

**6**

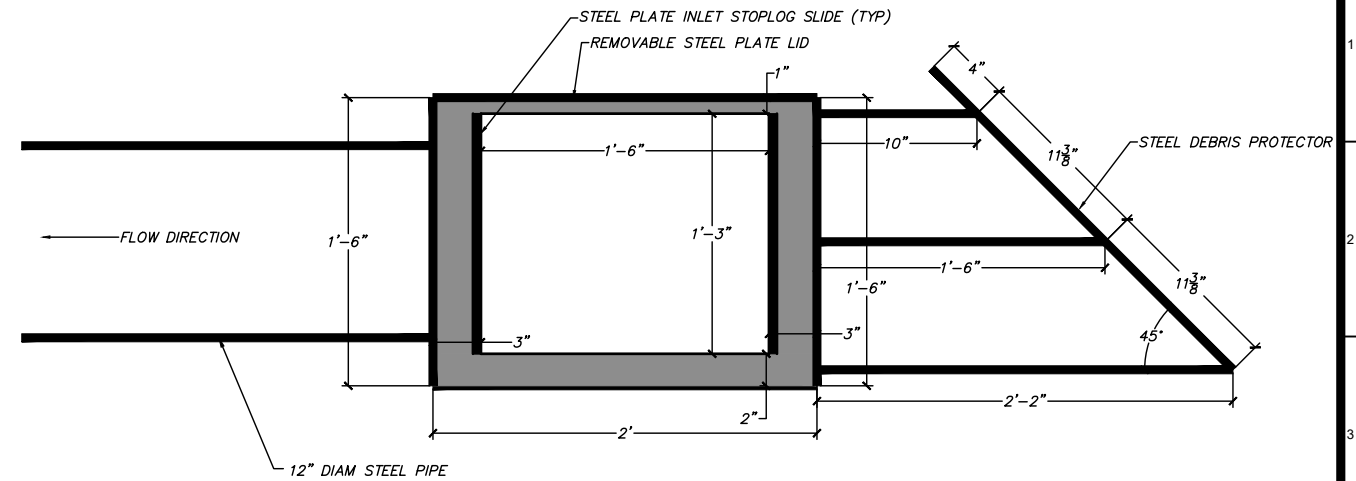
Sheet 6 of 7



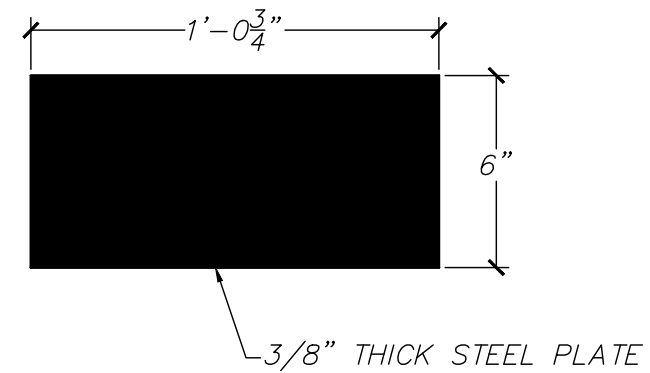
**(A) INTAKE PLAN**

NOTES:

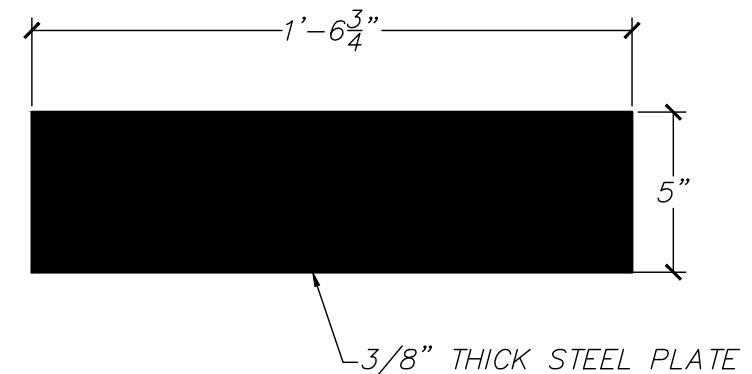
1. CASCADE STREAM SOLUTIONS WILL WORK WITH COOPERBUILT TO DEVELOP INTAKE.



**(B) INTAKE ELEVATION**



**(C) STEEL PLATE PIPE STOPLOG SLIDE PLATE**



**(D) STEEL PLATE INLET STOPLOG SLIDE PLATE**

Siskiyou RCD  
450 Main St, Etna, CA 96027

Cascade Stream Solutions

961 Bellview Ave.  
Ashland, Oregon 97520  
Phone: (541) 864-0492



Drawing Information

Date	24 May 2021
Status	Final
Designer	
Drafter	
Checked	
File Name	Fort Goff Final Plans
Plotted Scale	0 1/2 1

Revisions

No.	Date	Description

DATE: 2021.05.20



Fort Goff Fish Passage and  
Screen Project  
Intake Detail Sheet

Job Number

Sheet Number

7

Sheet 7 of 7