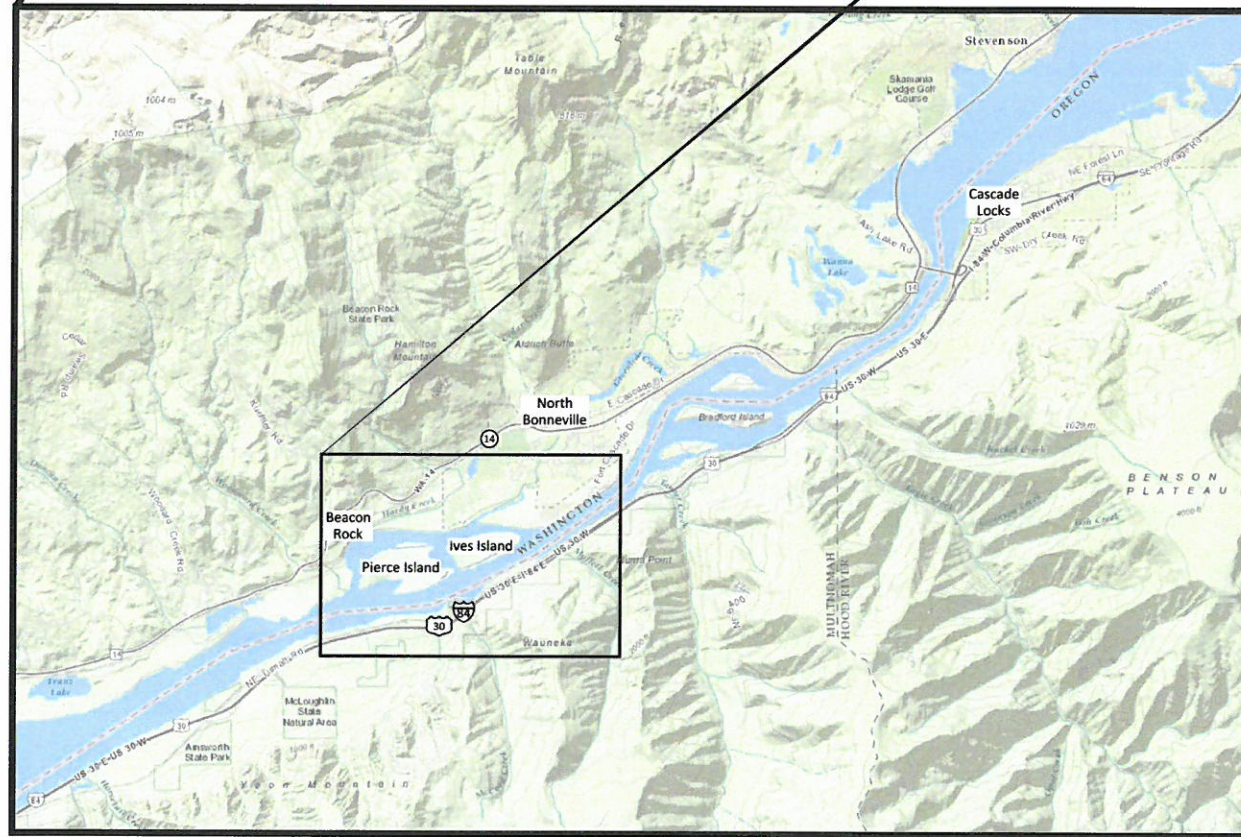
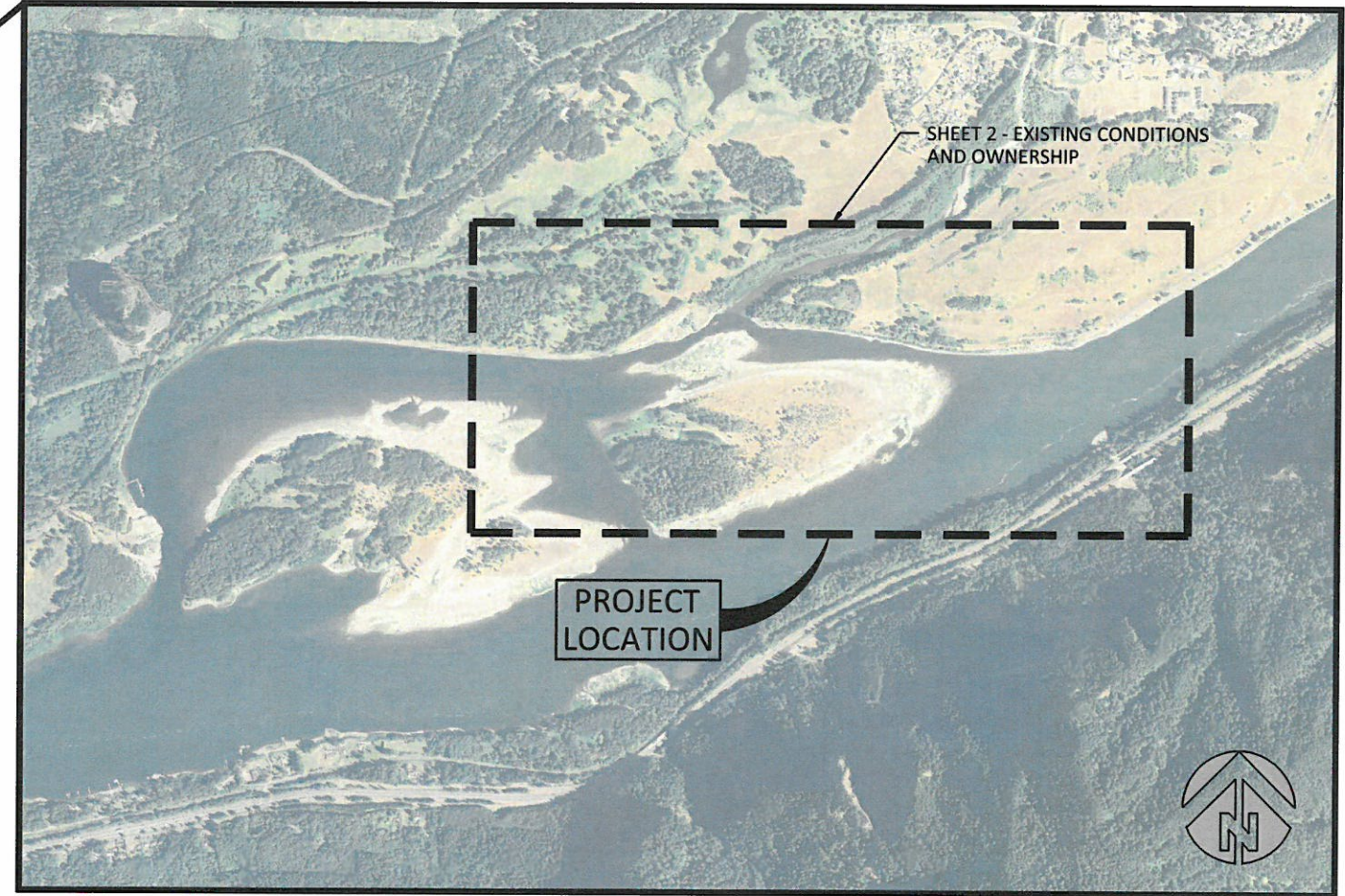


# LOWER COLUMBIA FISH ENHANCEMENT GROUP IVES ISLAND SIDE CHANNEL RECONNECT FINAL DESIGN MAY 31, 2015



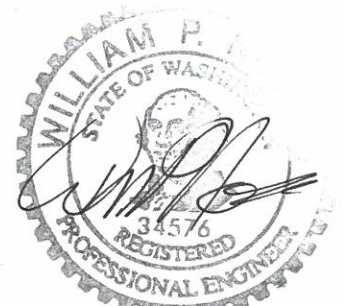
SHEET INDEX	
SHEET #	SHEET TITLE
1	COVER, SHEET LIST AND LOCATION
2	EXISTING CONDITIONS AND OWNERSHIP
3	SIDE CHANNEL PROPOSED GRADING PLAN AND PROFILE
4	CROSS SECTIONS AND TYPICAL TEMPERATURE MONITORING TUBE

**SITE MAP  
NOT TO SCALE**

**COORDINATES:**  
LATITUDE 45°37'35" N  
LONGITUDE 121°59'43" W

SKAMANIA COUNTY  
SECTION 30, TOWNSHIP 2N, RANGE 7E

WATERBODY: COLUMBIA RIVER  
TRIBUTARY OF: PACIFIC OCEAN



May 31, 2015

NO.	BY	DATE	REVISION DESCRIPTION

STM DRAWN	RP, BN DESIGNED	BN CHECKED
BN APPROVED	5/31/2015 DATE	13-02-39 PROJECT

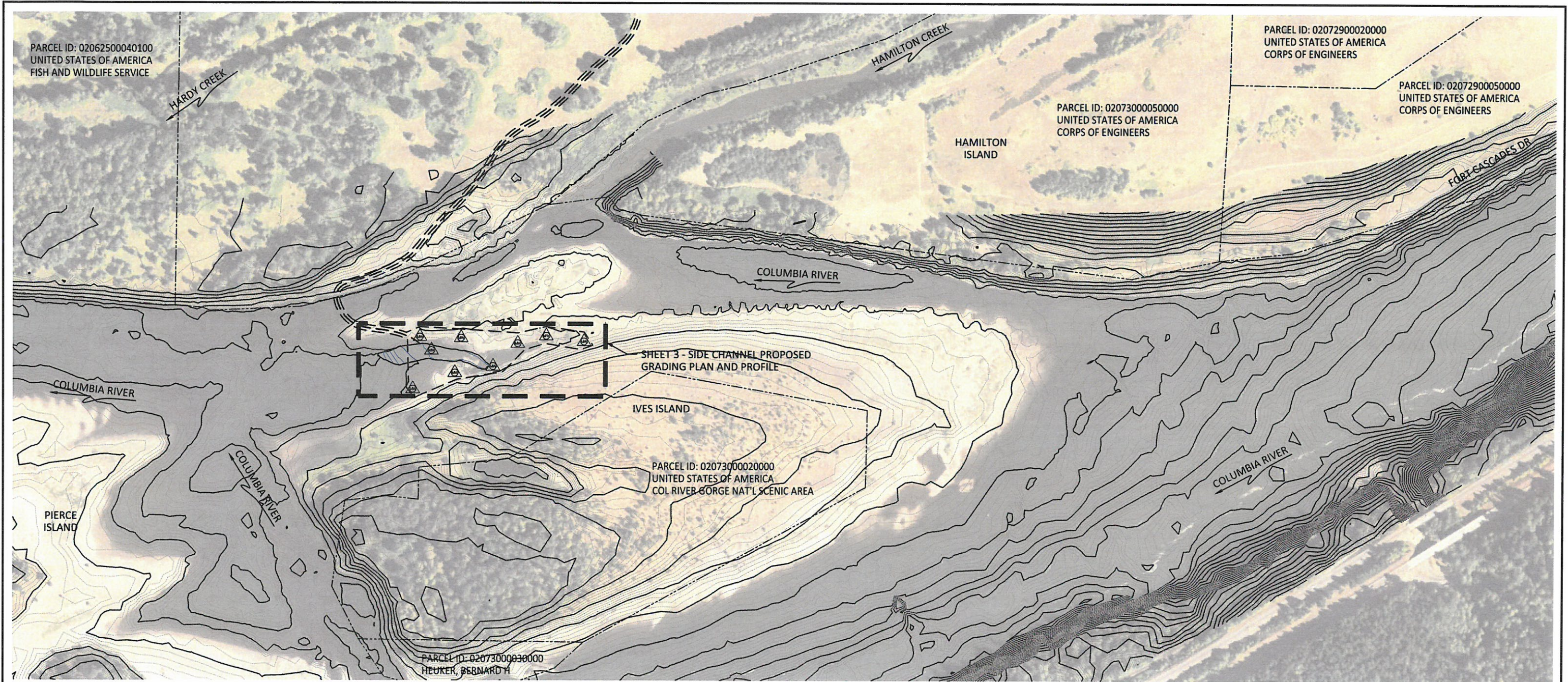
LOWER COLUMBIA FISH ENHANCEMENT GROUP  
IVES ISLAND SIDE CHANNEL RECONNECT  
FINAL DESIGN



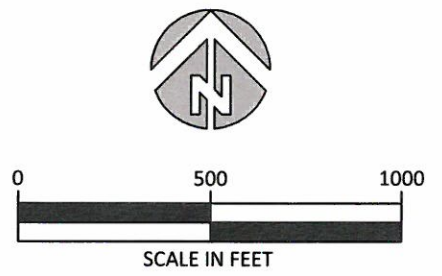
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COVER, SHEET LIST  
AND LOCATION

SHEET  
1 OF 4



- LEGEND**
- EXISTING CONTOURS (1-FT)
  - - - - - PROPERTY LINES
  - EXISTING UNIMPROVED ROAD
  - - - - - TEMPORARY ACCESS ROAD
  - - - - - LIMITS OF DISTURBANCE
  - ▨ TEMPORARY STAGING / STOCKPILE AREA
  - ▲ TEMPERATURE MONITORING TUBE, SEE DETAIL 3 SHEET 4



**PLAN**

GRADING VOLUMES	
EXCAVATION CUT	400 CU. YDS.
EXCAVATION FILL	400 CU. YDS.

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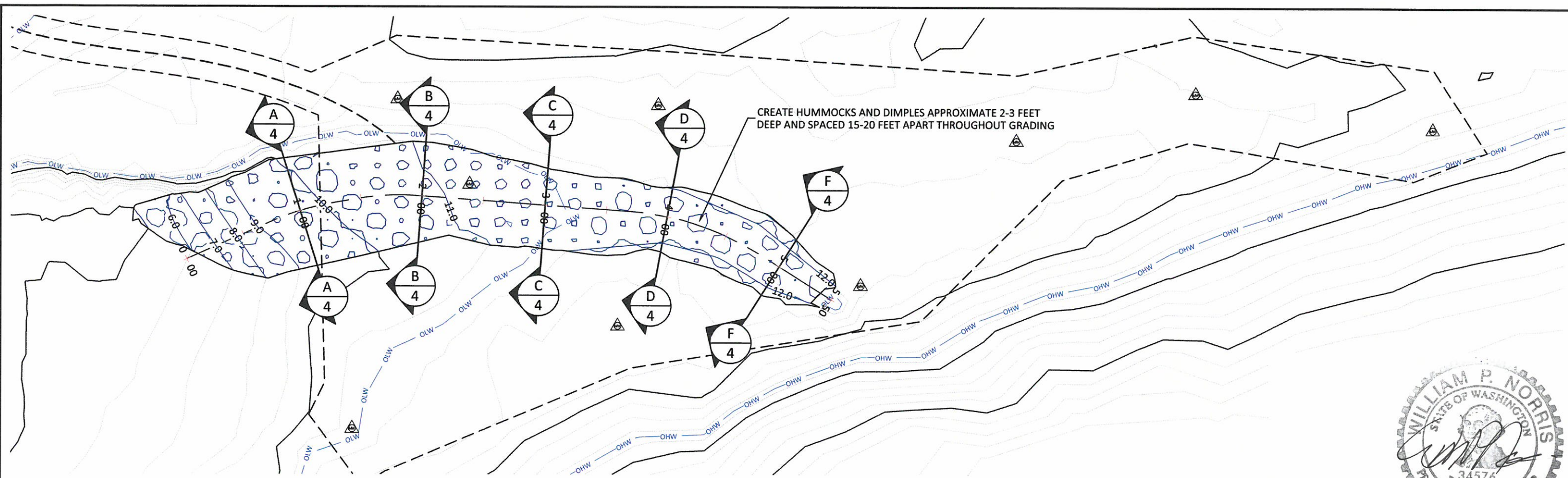
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BN	5/31/2015	13-02-39
APPROVED	DATE	PROJECT

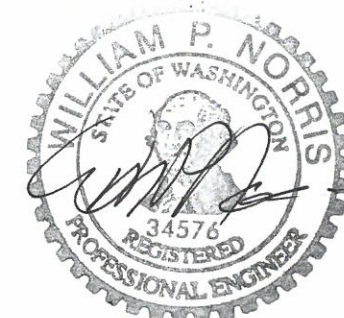
**LOWER COLUMBIA FISH ENHANCEMENT GROUP**  
**IVES ISLAND SIDE CHANNEL RECONNECT**  
**FINAL DESIGN**

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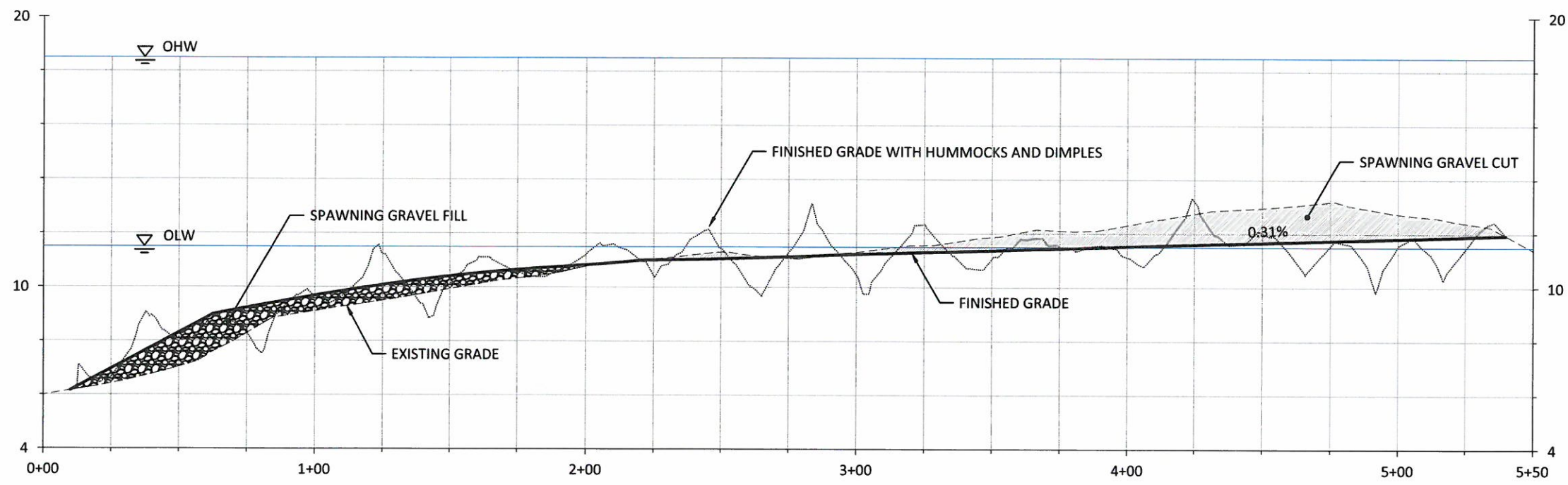
**EXISTING CONDITIONS**  
**AND OWNERSHIP**



PLAN

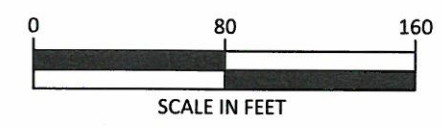


May 31, 2015



PROFILE

HORIZONTAL SCALE: 1" = 30'  
 VERTICAL SCALE: 1" = 6' (5x VERTICAL EXAGGERATION)



LEGEND

- EXISTING CONTOURS (1-FT)
- PROPOSED CONTOURS (1-FT)
- PROPERTY LINES
- TEMPORARY ACCESS ROAD
- LIMITS OF DISTURBANCE
- OLW — OLW — ORDINARY LOW WATER (OLW)
- OHW — OHW — ORDINARY HIGH WATER (OHW)
- ▲ TEMPERATURE MONITORING TUBE, SEE DETAIL 3 SHEET #

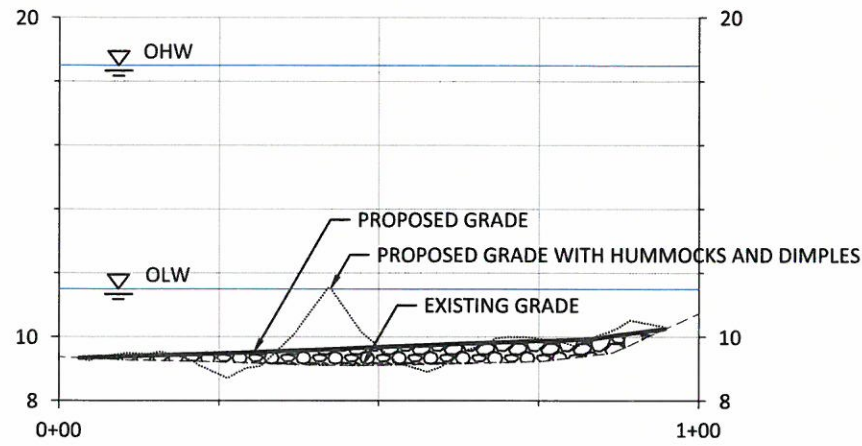
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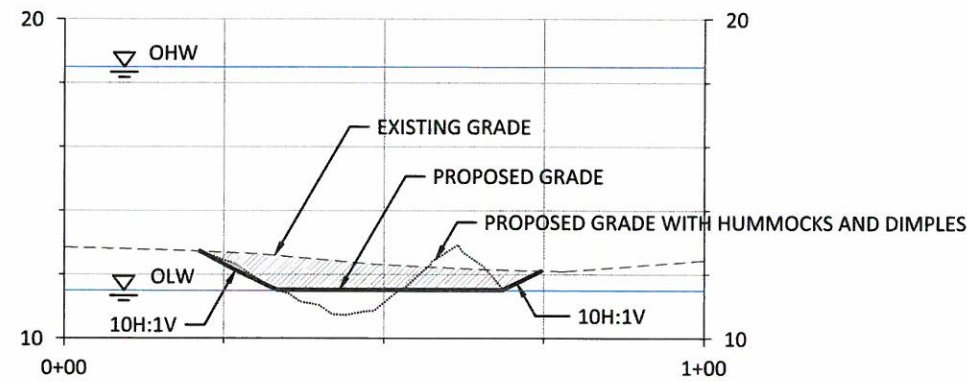
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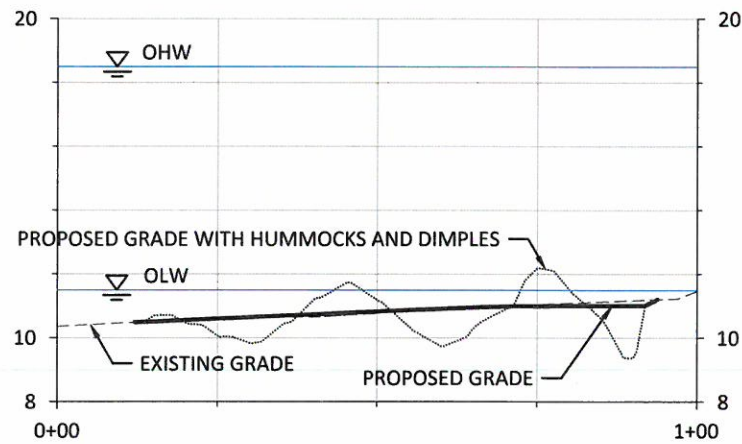
SIDE CHANNEL  
 PROPOSED GRADING  
 PLAN AND PROFILE



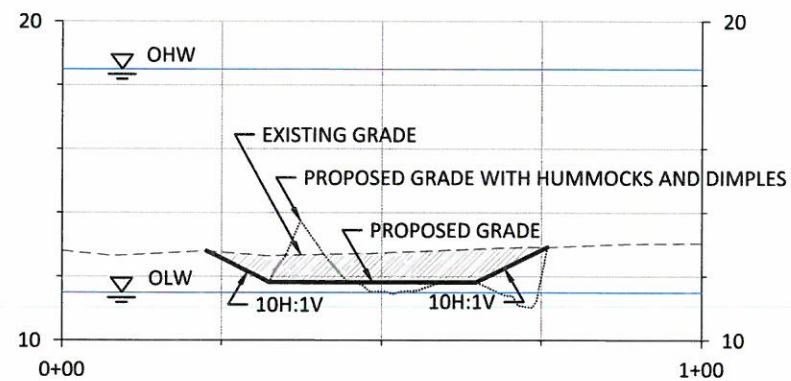
**SECTION A**



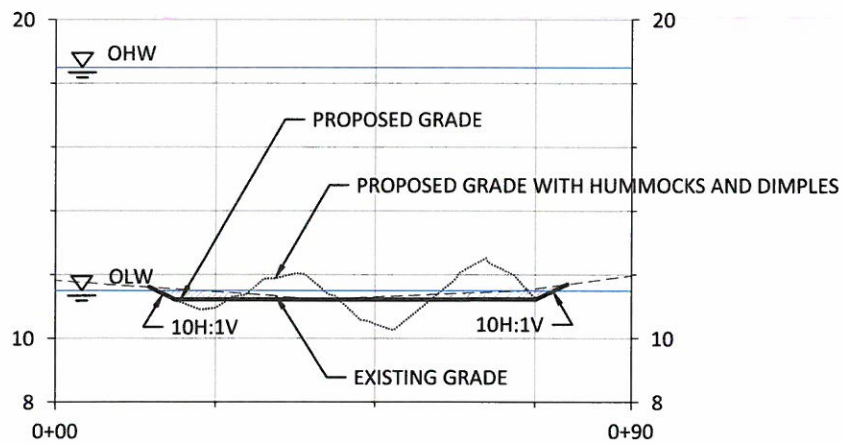
**SECTION D**



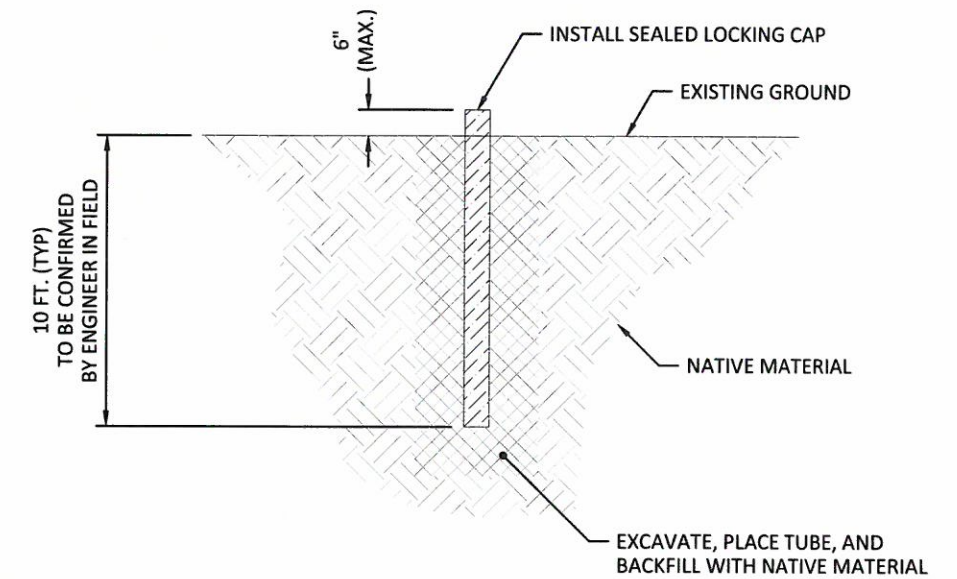
**SECTION B**



**SECTION F**

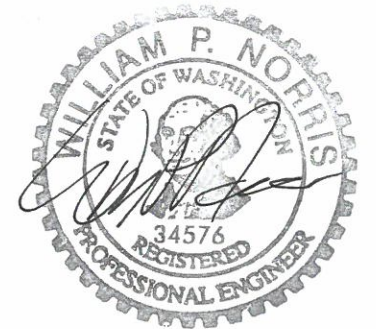


**SECTION C**



SECTION 1  
NTS 4 TYPICAL TEMPERATURE MONITORING TUBE

SCALE: 1" = 6'  
5x VERTICAL EXAGGERATION  
SCALE: 1" = 30'



May 31, 2015

NO.	BY	DATE	REVISION DESCRIPTION

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CROSS SECTIONS AND TYPICAL  
TEMPERATURE MONITORING TUBE 4 OF 4