



**US Army Corps
Of Engineers**

Walla Walla District
201 North Third Avenue
Walla Walla, WA 99362-1876

Public Notice of Application for Permit

APPLICATION NO: NWW-2007-1348-B02
(ITD Key No. 09898)

APPLICANT: Idaho Transportation Department

PUBLIC NOTICE DATE: July 21, 2008

21-Day Notice

COMMENTS DUE DATE: August 11, 2008

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

APPLICANT – Idaho Transportation Department (ITD), District 5, PO Box 4700, Pocatello, Idaho 83205-4700, contact Mr. Alan Wubker at 208-239-3312. For information from the Corps of Engineers, contact Ms. Nicholle Braspenickx at 208-345-2287.

LOCATION – Portneuf River and adjacent wetlands and Cutler Ditch on US 30 between Mileposts 363.3 to 365.1 (Crystal Springs Road to Topaz Bridge), Sections 20 and 21, T.9S., R.37E., Boise Meridian, McCammon USGS Quadrangle, 2 miles east of McCammon, in Bannock County, Idaho.

WORK – Discharge 2,142 cubic yards of concrete, rock, granular fill and native soil fill material below the ordinary high water mark (OHWM) of the Portneuf River to construct two bridges and fill two scour holes. Discharge concrete, rock and granular fill material in 2.78 acres of scrub-shrub wetlands for highway and bridge construction including retaining walls, a stormwater management swale, reconstruction of an existing driveway, ground improvements and placement of riprap. Discharge 238 cubic yards of backfill and install 15-inch PVC (Sheet 6) and 24-inch reinforced concrete pipe (Sheet 14) in the Cutler Ditch to construct a retaining wall and widen a road. Temporarily discharge 36 cubic yards of sandbags below the ordinary high water mark of the Portneuf River to temporarily divert flows to provide dry working conditions in the existing channel during bridge construction. Location and description of work are shown on the enclosed drawings (Sheets 1 through 19).

CONSTRUCTION PERIOD - Applicant proposes to start construction in the fall of 2008 and end approximately 2 years later, during the fall of 2010. The permit would authorize construction for a period of 3 years.

PURPOSE – The purpose of the project is to improve safety and capacity on US 30 between Mileposts 363.3 and 365.1 to maintain a viable route for all highway users.

ADDITIONAL INFORMATION – US 30 is a major truck, commuter, and recreational route between I-15 at McCammon to the Wyoming State line. This project is approximately 2 miles in length and is part of a 12 mile project to improve US 30 between McCammon and Lava Hot Springs. This portion of US 30 is considered to be substandard in terms of safety and capacity. The existing highway is a two-lane road with narrow shoulders, sharp blind curves, and provides few areas for passing. There are currently no acceleration or deceleration lanes, no turn lanes, and some of the approaches are substandard, with little to no sight distance, and are at sharp angles. Safety and capacity would be improved by widening the road from 2 to 4 lanes, providing safe passing opportunities, incorporating acceleration and deceleration lanes, and improving approach angles at intersections and access points. These improvements would adequately meet the demands placed on the highway by a multitude of users including heavy trucks, recreational vehicles, farming equipment and passenger vehicles.

Two existing crossings of US 30 and the Portneuf River utilize culverts. As part of this project, these culverts and road fill would be removed and replaced with bridges over the Portneuf River. ITD proposes some channel restoration under each bridge structure. The restoration would include grading for a low flow channel for the Portneuf River, filling existing scour holes, restoration of a floodplain, planting of shrub species (willows, red-osier dogwood), and the application of seed mixture. A hydraulic analysis recommended the filling of the scour holes to stabilize the channel in the vicinity of the proposed bridge piers. The new bridge structures would be constructed in such a way as to allow for the passage of large game.

Temporary dewatering for the reconstruction of the Portneuf River at the proposed bridge locations and the filling of scour holes, as well as the construction of both bridges would occur utilizing an existing overflow channel. Three temporary dams would be placed in the Portneuf River to divert flows into the man-made overflow channel. The temporary dams would be comprised of sandbags and plastic liners, as shown on Sheet 17. A temporary pipe would be used between Temporary Dams 2 and 3 to carry flows to the overflow channel. This temporary pipe would be placed on top of the existing wetland substrate. All temporary structures would be removed after use and the wetland would be restored.

Alternative dewatering plans for Bridges 1 and 2 are depicted on Sheet 10 and 15. In these alternative plans, ITD would utilize the existing culverts, and install temporary block walls, plastic sheeting, sandbags, and sheet piling. Grading for channel reconstruction and the filling of the scour holes would occur in the dewatered river channel condition. Currently, ITD proposes to utilize the man-made overflow channel technique described in the previous paragraph.

For the construction of a stormwater drainage treatment swale, ITD proposes to fill 0.23 acre of scrub-shrub wetlands (Sheet 3). For an existing driveway improvement, ITD proposes to fill 0.03 acre of scrub-shrub wetlands (Sheet 4). For retaining wall construction, ITD proposes to fill 0.09 acre of scrub-shrub wetlands (Sheet 5).

Cutler Ditch would be piped for a distance of 833 linear feet in its existing ditch alignment, in order to construct a retaining wall necessary for the US 30 road widening. This portion of the project would require 167 cubic yards of fill below the OHWM within Cutler Ditch, impacting 0.13 acres of waters of U.S. (Cutler Ditch) (Sheet 6). ITD would replace and extend an existing pipe for the Cutler Ditch at the crossing of US 30 east of Bridge 2 with a 24 inch pipe. This proposed impact would place 71 cubic yards of fill below the OHWM of Cutler Ditch, impacting 0.04 acre of scrub-shrub wetlands. Two hundred and fifty linear feet of Cutler Ditch would then be abandoned and filled as shown on Sheet 14.

In an effort to keep future high water events within the Portneuf River channel, the inlet of the existing overflow channel would be permanently blocked. This permanent fill is above the ordinary high water line and would not impact wetlands and therefore, does not require Department of the Army authorization.

The proposed ground improvements on Sheet 9 include the construction of stone columns approximately 30 feet in front of and under the proposed retaining wall. The existing soft soil conditions, topography, and proximity to the Portneuf River, necessitate constructing a retaining wall as part of the US 30 road widening project. The soil conditions would be improved (become more stable) with the installation of stone columns. The proposed stone column ground improvements would result in the permanent loss of 0.14 acre of scrub-shrub wetlands.

To compensate for project impacts, ITD is proposing to use an existing compensatory mitigation site located on US 30 and Price Road. For this project, ITD proposes to attribute 3.52 acres of scrub-shrub constructed wetland to compensate for the loss of 2.35 acres of scrub-shrub wetlands. The mitigation site is proposed to provide compensatory mitigation for all of the US 30 improvement projects between McCammon and Lava Hot Springs. The site is located immediately adjacent to the Portneuf River, and is predominantly a wetland establishment site, with the preservation of 0.8 acre of palustrine emergent wetlands. As part of the permitted US 30 Topaz to Lava Hot Spring project (NWW No. 002300130, issued in February 2004), 12.3 acres of the mitigation site was built in the fall of 2007. If successful, this portion of the mitigation site will establish 4.4 acres of palustrine scrub-shrub wetlands, and 7.9 acres of palustrine emergent wetlands. This portion of the mitigation site includes 2 acres of upland buffer.

As part of the recently permitted US 30 Topaz Bridge project, (NWW No. 2008-381-B02, issued in May 2008), ITD will establish an additional 2.32 acres of wetlands at the same mitigation site. If successful, this mitigation effort would establish an additional 0.5 acre of scrub-shrub wetlands, and 1.7 acres of emergent wetlands. This portion of the mitigation site includes 0.1 acre of upland buffer. See Sheets 18 and 19 for more details.

AREA DESCRIPTION – The project area is the east-west Portneuf River valley. It is bounded by mountains to the north and steppe terraces and mountains to the south, with floodplain terraces along both sides of the river intruded by basalt outcroppings. There are wetlands and riparian areas along both sides of the river throughout the project area. The valley is rural, consisting predominantly of agricultural lands. The valley is also a big game wintering area.

ANTICIPATED IMPACTS ON AQUATIC ENVIRONMENT – 2.78 acres of scrub-shrub wetlands would be permanently filled as a result of the proposed road widening project. An existing man-made overflow channel would be blocked from future use at high flows in an effort to keep all flows in the Portneuf River. Approximately 833 feet of Cutler Ditch would be piped and 250 feet of Cutler Ditch would be filled and abandoned.

OTHER AUTHORIZATIONS - Other authorizations obtained or requested include, but are not necessarily limited to: a Stream Alteration Permit from the Idaho Department of Water Resources.

WATER QUALITY CERTIFICATION - This will also serve as public notice that Idaho Department of Environmental Quality (IDEQ) is evaluating whether to certify that the discharges of dredged and fill material proposed for this project will not violate existing water quality standards. A Department of the Army permit will not be issued until water quality certification has been issued or waived by the IDEQ, as

required by Section 401 of the Clean Water Act. If water quality certification is not issued, waived or denied within 60 days of this public notice date, and an extension of this period is not granted to the IDEQ

Quality, certification will be considered waived. Additionally, within (30) days of this public notice, any person may provide written comments to IDEQ and/or request in writing that IDEQ provide them notice of their preliminary 401 certification decision. Comments concerning certification for this project should be mailed to: Idaho Department of Environmental Quality, Pocatello Regional Office, 444 Hospital Way, #300, Idaho 83201.

CULTURAL RESOURCES – ITD coordinated with the Idaho State Historic Preservation Officer (ISHPO) to determine if this activity will affect a site that is listed on the National Register of Historic Places, or a site that may be eligible for listing on the Register. ISHPO determined that there are no eligible sites in the project area.

ENDANGERED SPECIES – ITD and Federal Highway Administration have completed a biological evaluation concerning potential effects this proposed project may have on species designated as threatened or endangered under the Endangered Species Act, or their critical habitat. A no effect determination to listed species has been made pursuant to Section 7 of ESA.

ENVIRONMENTAL IMPACT STATEMENT - Preliminary review indicates the activity will not require preparation of an Environmental Impact Statement. Federal Highway Administration analyzed an Environmental Assessment and provided a Finding of No Significant Impact (FONSI) on June 3, 2003. Comments provided will be considered in preparation of a re-evaluation of the Environmental Assessment.

AUTHORITY - This permit will be issued or denied under the authority of Section 404 of the Clean Water Act.

EVALUATION - The decision whether to issue a permit will be based on an evaluation of the probable impact, including cumulative impacts, of the proposed activity on the public interest. This 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 proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal 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. In addition, our evaluation will include application of the EPA Guidelines (40 CFR 230) as required by Section 404(b)(1) of the Clean Water Act.

CONSIDERATION OF PUBLIC COMMENTS - 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.

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 proposed activity. Requests for a public hearing shall state specific reasons for holding a public hearing.

COMMENT AND REVIEW PERIOD - Interested parties are invited to provide their comments on the proposed activity, which will become a part of the record and will be considered in the decision.

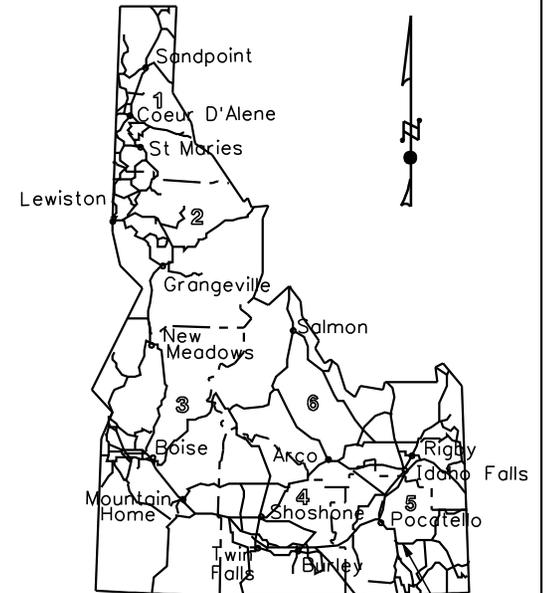
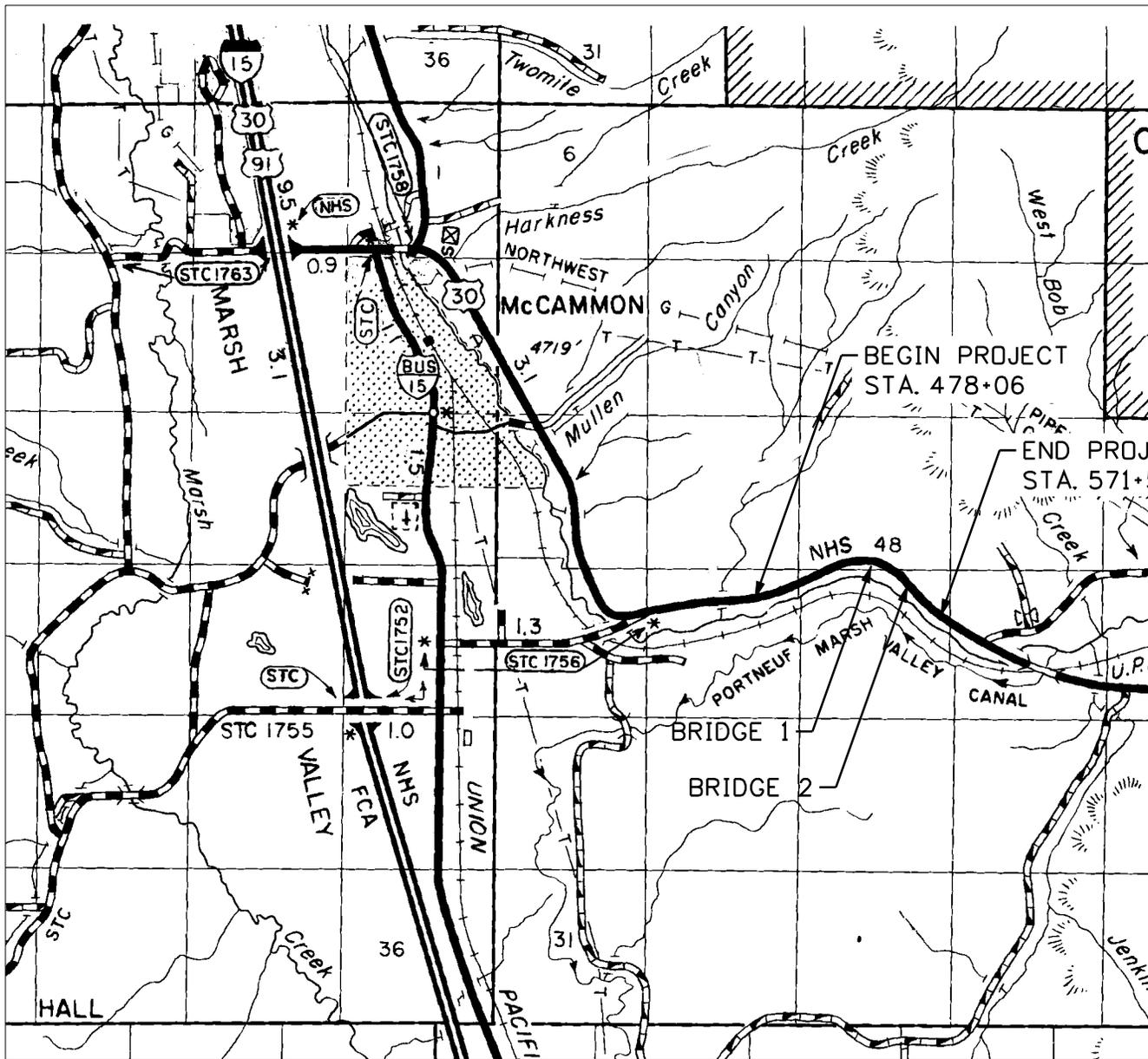
Comments should be mailed to:

**Ms. Nicholle Braspennickx
U.S. Army Corps of Engineers
Boise Regulatory Office
10095 W. Emerald Street
Boise, Idaho 83704-9754**

Comments should be received not later than the comments due date of this notice to receive consideration.

//signed//

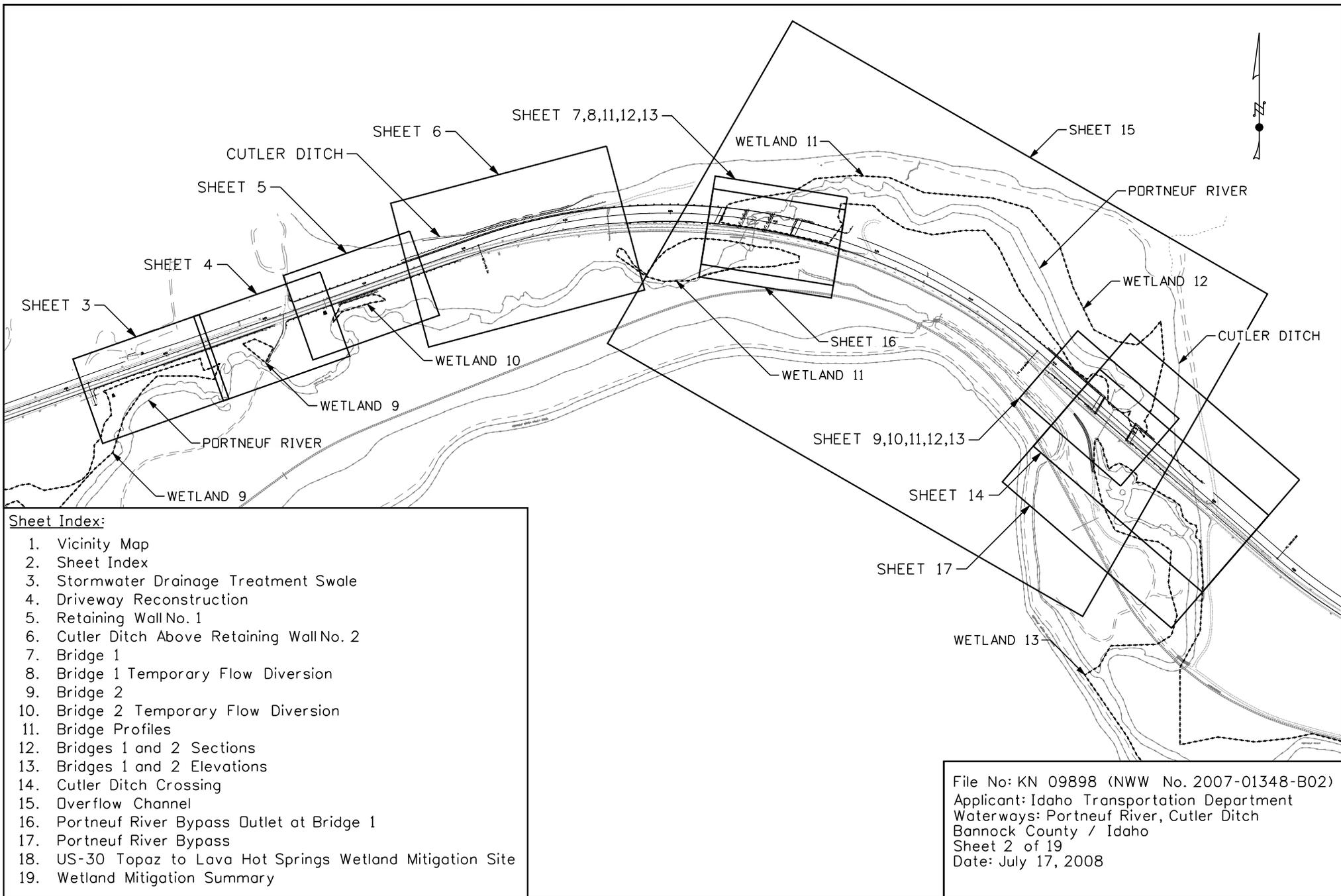
A. Bradley Daly
Chief, Regulatory Division



Project No. A009(898)
 US-30 Portneuf River Bridges
 Milepost 363.3 - 365.1
 Key No. 09898

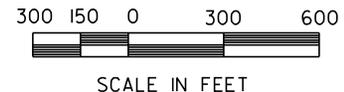
IDAHO TRANSPORTATION DEPARTMENT
 US-30 PORTNEUF RIVER BRIDGES
 PROJECT NO. A009(898)
 VICINITY MAP
 Sec 21, T. 9 S., R 37 E., B.M.

File No: KN 09898 (NWW No. 2007-01348-B02)
 Applicant: Idaho Transportation Department
 Waterways: Portneuf River, Cutler Ditch
 Bannock County / Idaho
 Sheet 1 of 19
 Date: July 17, 2008

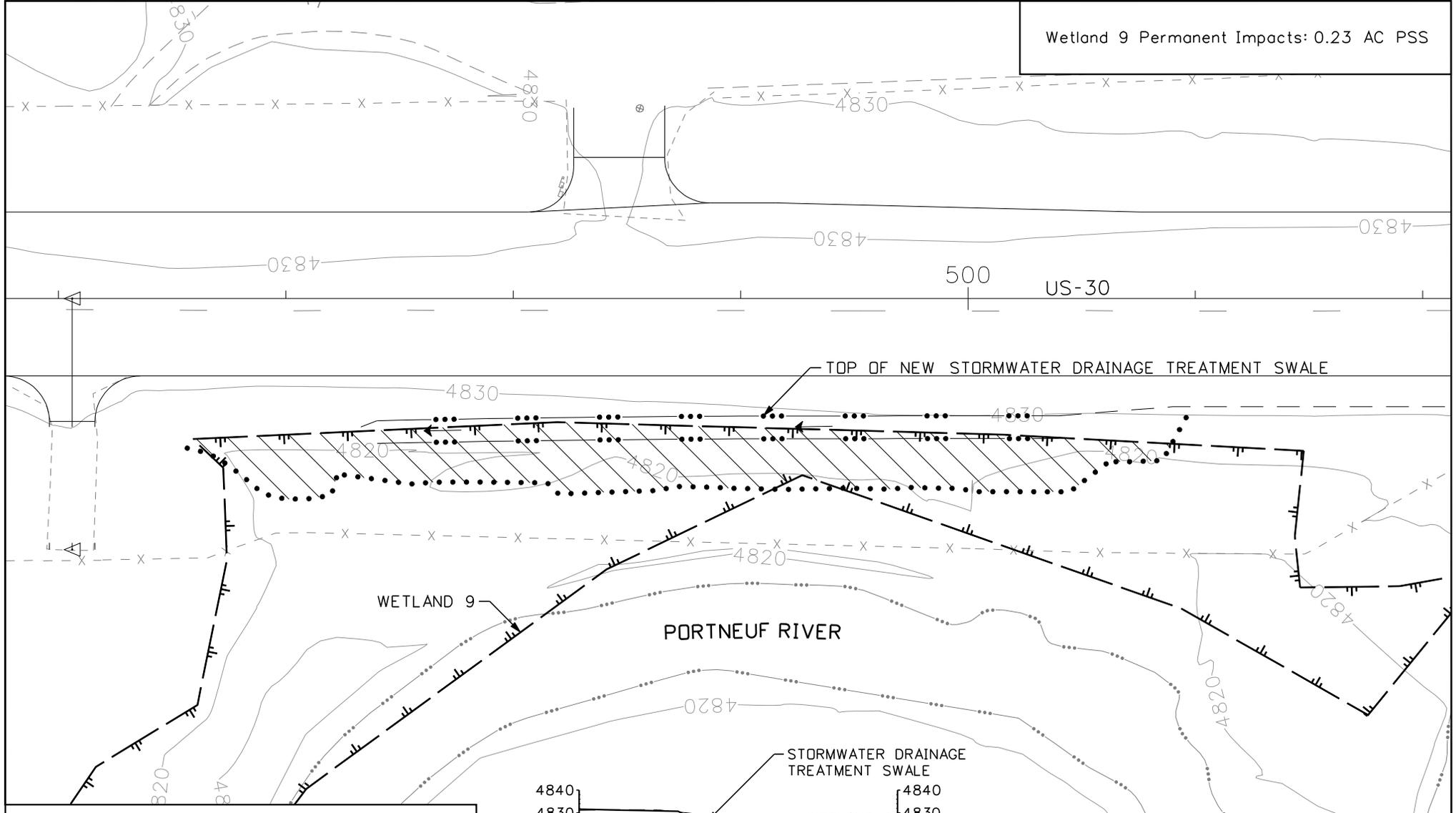


IDAHO TRANSPORTATION DEPARTMENT
 US-30 PORTNEUF RIVER BRIDGES
 SHEET INDEX

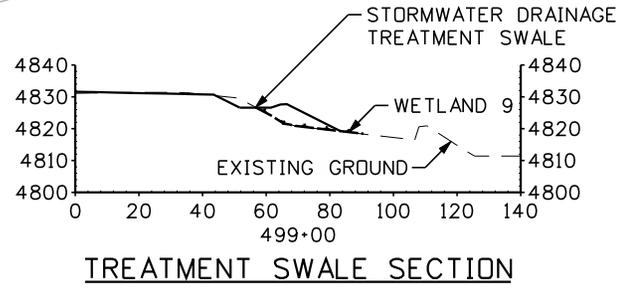
Sec 21, T 9 S, R 37 E, B.M.



Wetland 9 Permanent Impacts: 0.23 AC PSS



- Stormwater Drainage Swale Limits
- |—|— Wetland Boundary
- Exist. Top of Stream Bank
- - - - Limits of Cut
- Limits of Fill
- ▨ Permanent Wetland Impact

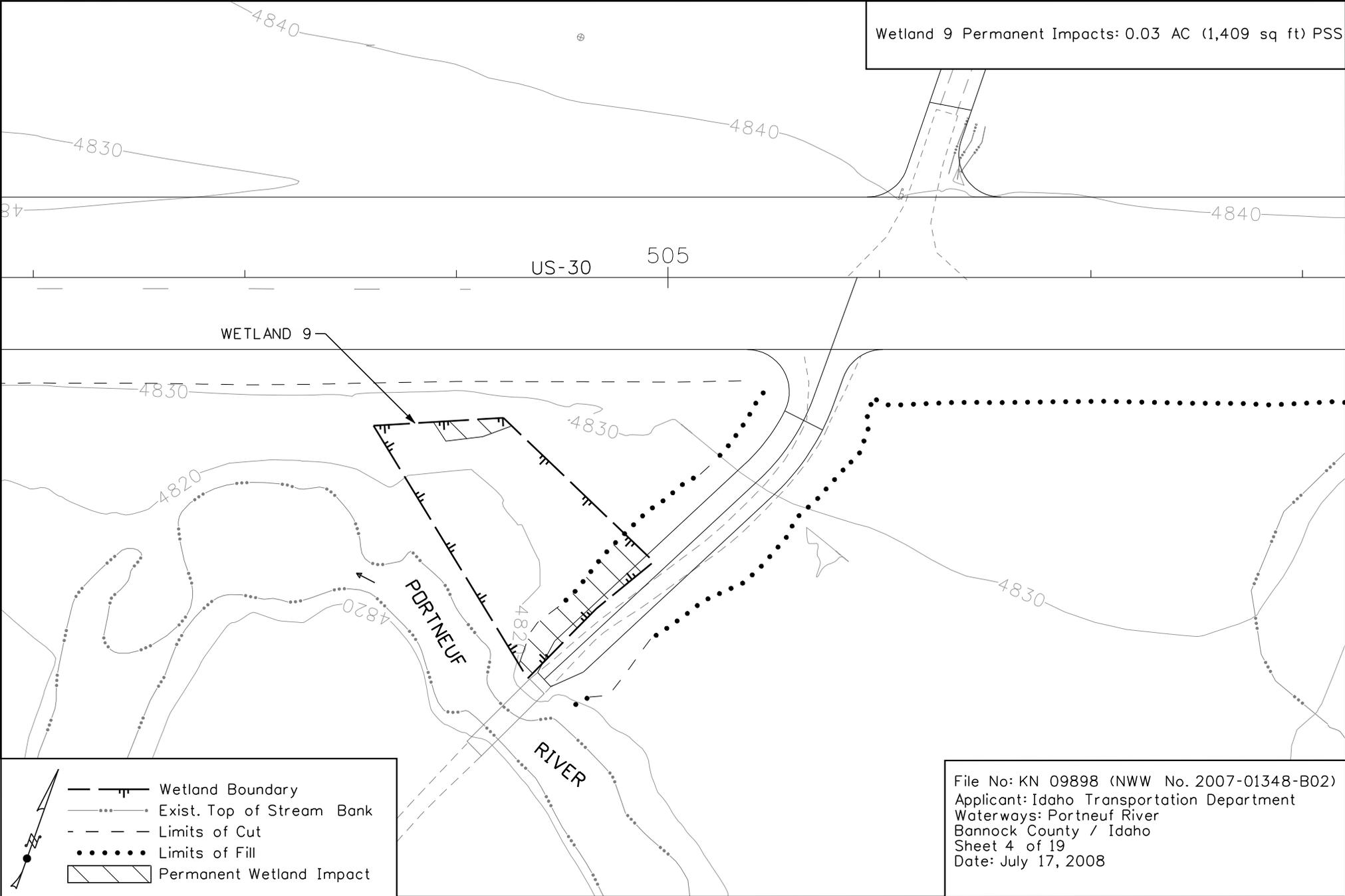


File No: KN 09898 (NWW No. 2007-01348-B02)
 Applicant: Idaho Transportation Department
 Waterways: Portneuf River
 Bannock County / Idaho
 Sheet 3 of 19
 Date: July 17, 2008

IDAHO TRANSPORTATION DEPARTMENT
 US-30 PORTNEUF RIVER BRIDGES
 STORMWATER DRAINAGE TREATMENT SWALE

Sec 21, T 9 S, R 37 E, B.M.

Wetland 9 Permanent Impacts: 0.03 AC (1,409 sq ft) PSS

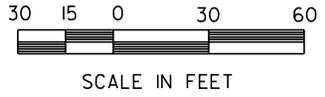


- — — — Wetland Boundary
- Exist. Top of Stream Bank
- - - - Limits of Cut
- Limits of Fill
- ▨ Permanent Wetland Impact

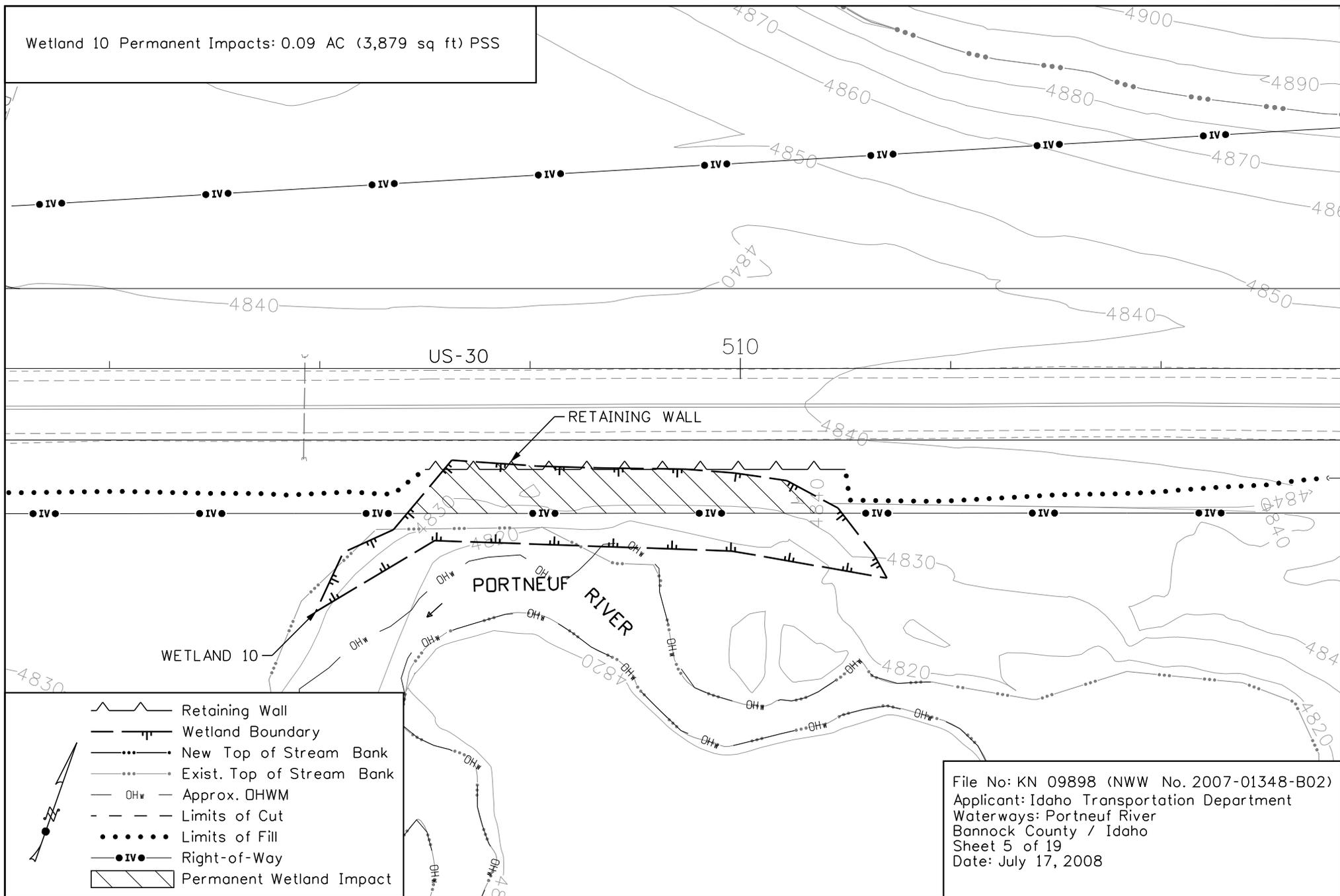
File No: KN 09898 (NWW No. 2007-01348-B02)
 Applicant: Idaho Transportation Department
 Waterways: Portneuf River
 Bannock County / Idaho
 Sheet 4 of 19
 Date: July 17, 2008

IDAHO TRANSPORTATION DEPARTMENT
 US-30 PORTNEUF RIVER BRIDGES
 DRIVEWAY RECONSTRUCTION

Sec 21, T 9 S, R 37 E, B.M.



Wetland 10 Permanent Impacts: 0.09 AC (3,879 sq ft) PSS



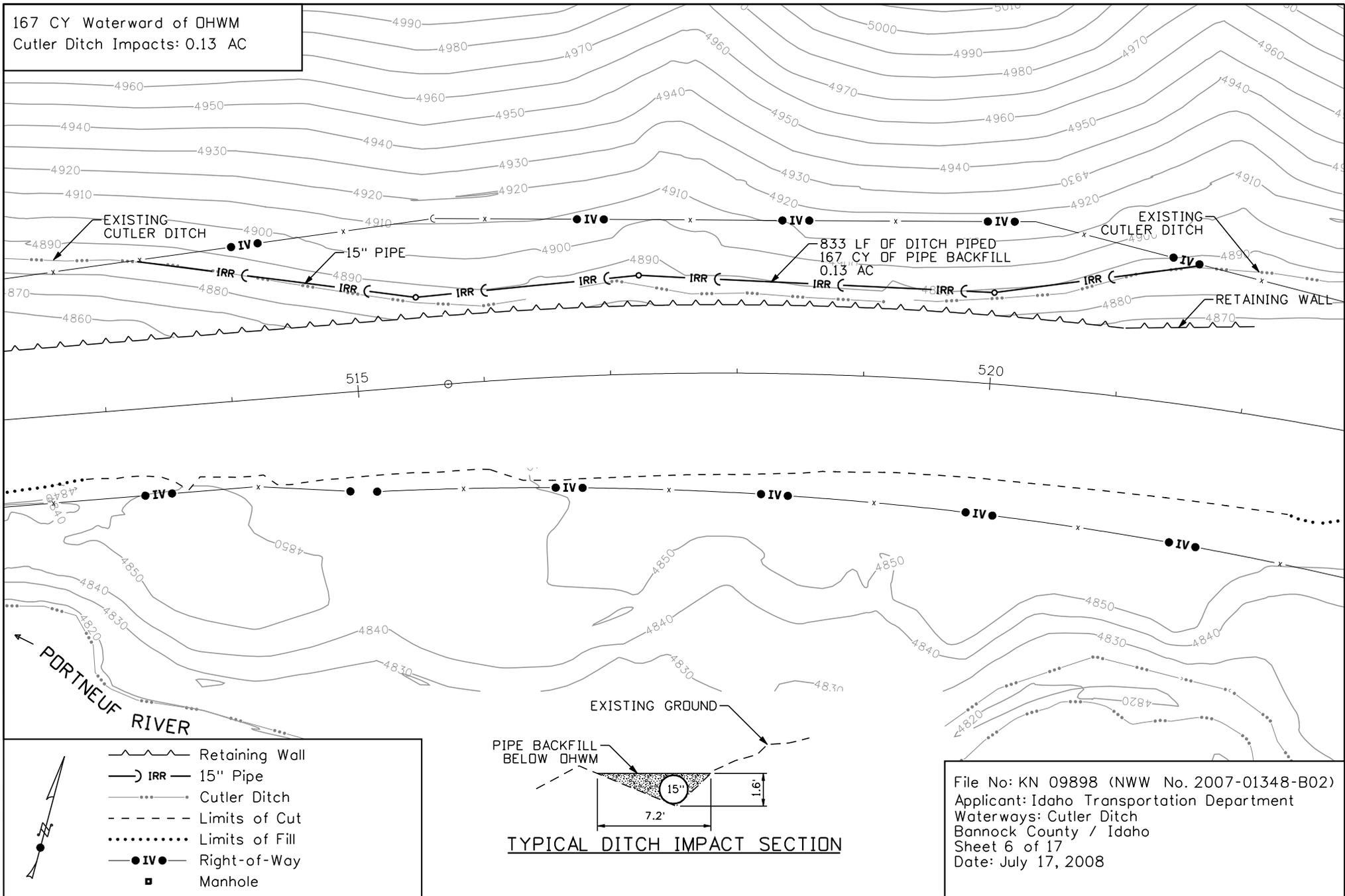
File No: KN 09898 (NWW No. 2007-01348-B02)
 Applicant: Idaho Transportation Department
 Waterways: Portneuf River
 Bannock County / Idaho
 Sheet 5 of 19
 Date: July 17, 2008

IDAHO TRANSPORTATION DEPARTMENT
 US-30 PORTNEUF RIVER BRIDGES
 RETAINING WALL NO. 1

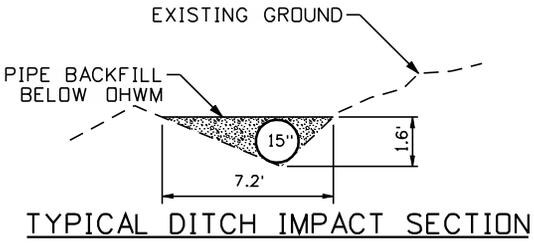
Sec 21, T 9 S, R 37 E, B.M.



167 CY Waterward of DHWM
 Cutler Ditch Impacts: 0.13 AC



	Retaining Wall
	15" Pipe
	Cutler Ditch
	Limits of Cut
	Limits of Fill
	Right-of-Way
	Manhole



File No: KN 09898 (NWW No. 2007-01348-B02)
 Applicant: Idaho Transportation Department
 Waterways: Cutler Ditch
 Bannock County / Idaho
 Sheet 6 of 17
 Date: July 17, 2008

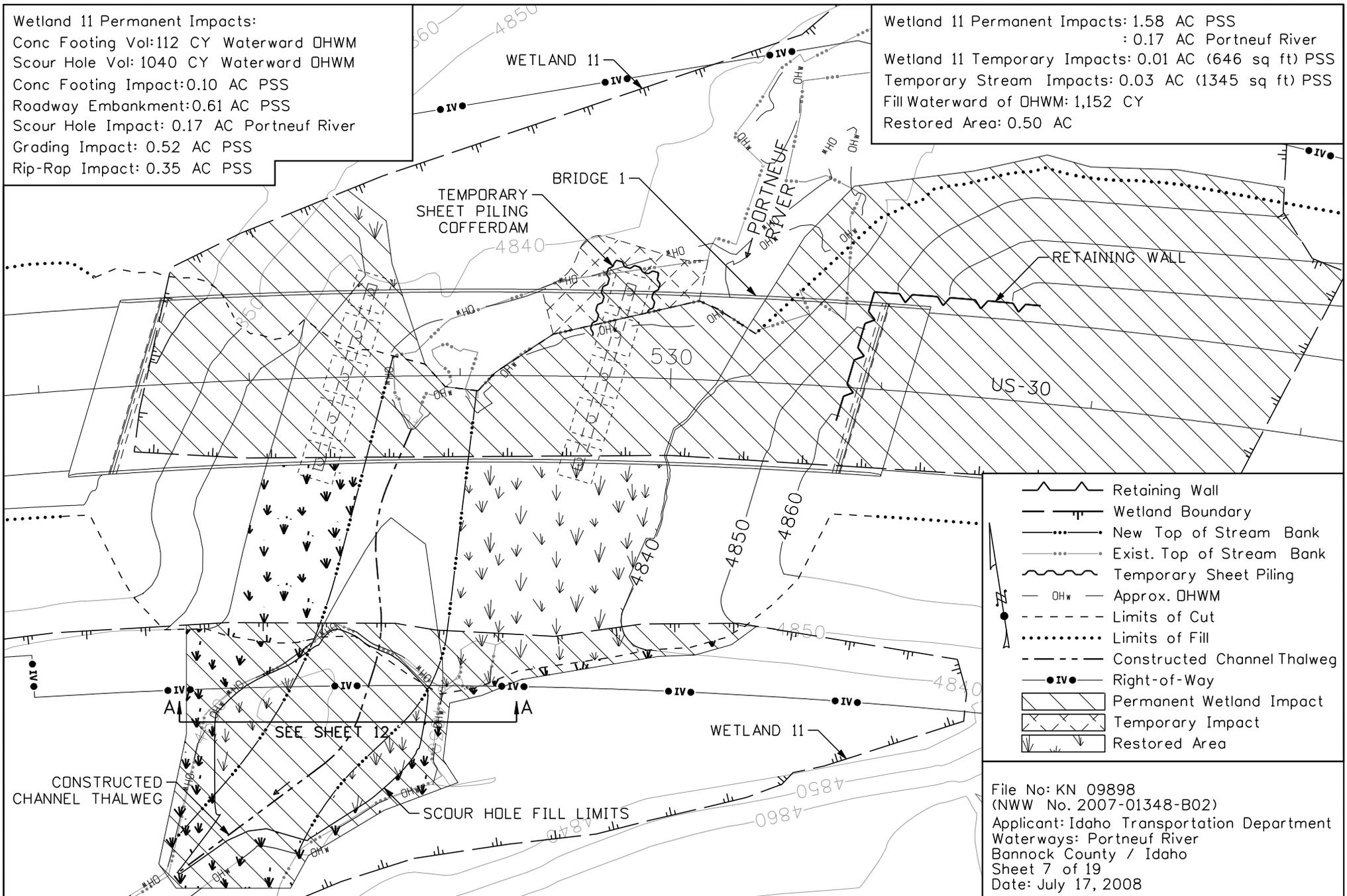
IDAHO TRANSPORTATION DEPARTMENT
 US-30 PORTNEUF RIVER BRIDGES
 CUTLER DITCH ABOVE RETAINING WALL NO. 2

Sec 21, T 9 S, R 37 E, B.M.



Wetland 11 Permanent Impacts:
 Conc Footing Vol:112 CY Waterward OHWM
 Scour Hole Vol: 1040 CY Waterward OHWM
 Conc Footing Impact:0.10 AC PSS
 Roadway Embankment:0.61 AC PSS
 Scour Hole Impact: 0.17 AC Portneuf River
 Grading Impact: 0.52 AC PSS
 Rip-Rap Impact: 0.35 AC PSS

Wetland 11 Permanent Impacts: 1.58 AC PSS
 : 0.17 AC Portneuf River
 Wetland 11 Temporary Impacts: 0.01 AC (646 sq ft) PSS
 Temporary Stream Impacts: 0.03 AC (1345 sq ft) PSS
 Fill Waterward of OHWM: 1,152 CY
 Restored Area: 0.50 AC

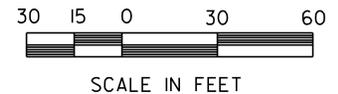


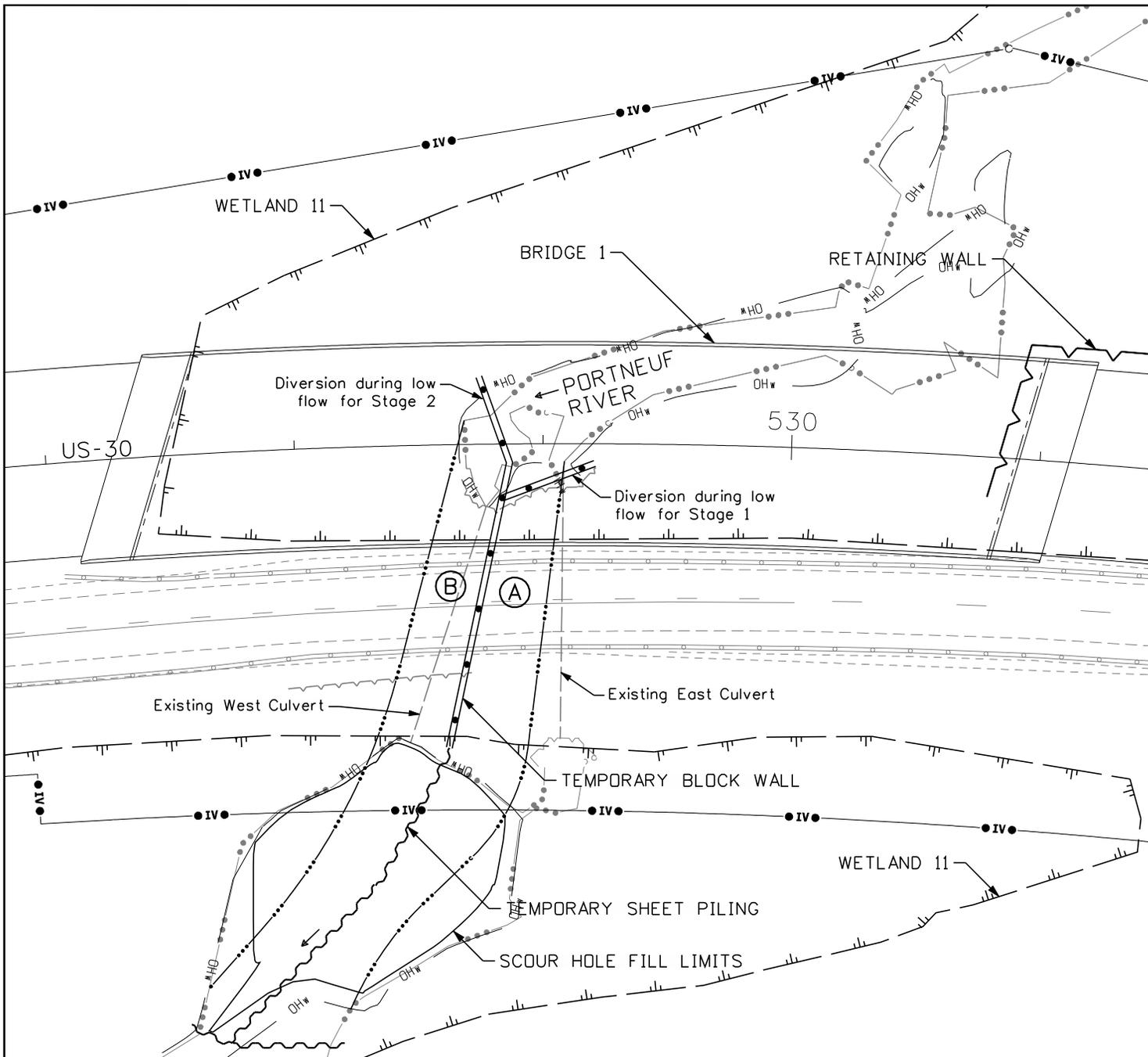
- Retaining Wall
- Wetland Boundary
- New Top of Stream Bank
- Exist. Top of Stream Bank
- Temporary Sheet Piling
- Approx. OHWM
- Limits of Cut
- Limits of Fill
- Constructed Channel Thalweg
- Right-of-Way
- Permanent Wetland Impact
- Temporary Impact
- Restored Area

File No: KN 09898
 (NWW No. 2007-01348-B02)
 Applicant: Idaho Transportation Department
 Waterways: Portneuf River
 Bannock County / Idaho
 Sheet 7 of 19
 Date: July 17, 2008

IDAHO TRANSPORTATION DEPARTMENT
 US-30 PORTNEUF RIVER BRIDGES
 BRIDGE 1

Sec 21, T 9 S, R 37 E, B.M.





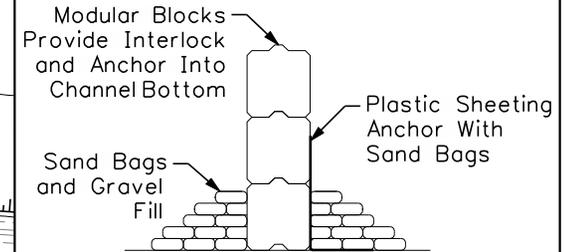
FLOW DIVERSION SEQUENCING

Stage 1

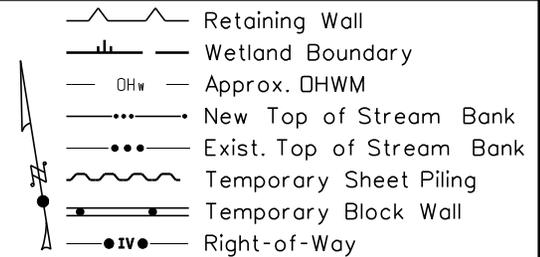
1. Divert water to existing west culvert and Area B. Remove existing east culvert. Install sheet piling and block wall for flow diversion and dewater Area A. Re-grade Area A and fill scour hole. Install synthetic erosion control blanket over Area A.

Stage 2

2. Divert water to Area A, leaving sheet piling/block wall in place. Remove existing west culvert. Re-grade Area B, and fill remaining portion of scour hole.



BLOCK WALL COFFERDAM
NOT TO SCALE



File No: KN 09898
(NWW No. 2007-01348-B02)
Applicant: Idaho Transportation Department
Waterways: Portneuf River
Bannock County / Idaho
Sheet 8 of 19
Date: July 17, 2008

IDAHO TRANSPORTATION DEPARTMENT US-30 PORTNEUF RIVER BRIDGES BRIDGE 1 - TEMPORARY FLOW DIVERSION

Sec 21, T 9 S, R 37 E, B.M.



SCALE IN FEET

Wetland 12 Permanent Impacts:
 Scour Hole Vol: 990 CY Waterward OHWM
 Scour Hole Impact: 0.22 AC Portneuf River
 Ground Improvements: 0.14 AC PSS
 Rip-Rap Impact: 0.06 AC (2,632 sq ft) PSS
 Grading Impact: 0.18 AC PSS

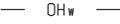
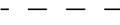
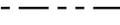
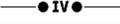
Wetland 13 Permanent Impacts:
 Grading Impact: 0.08 AC (2,446 sq ft) PSS

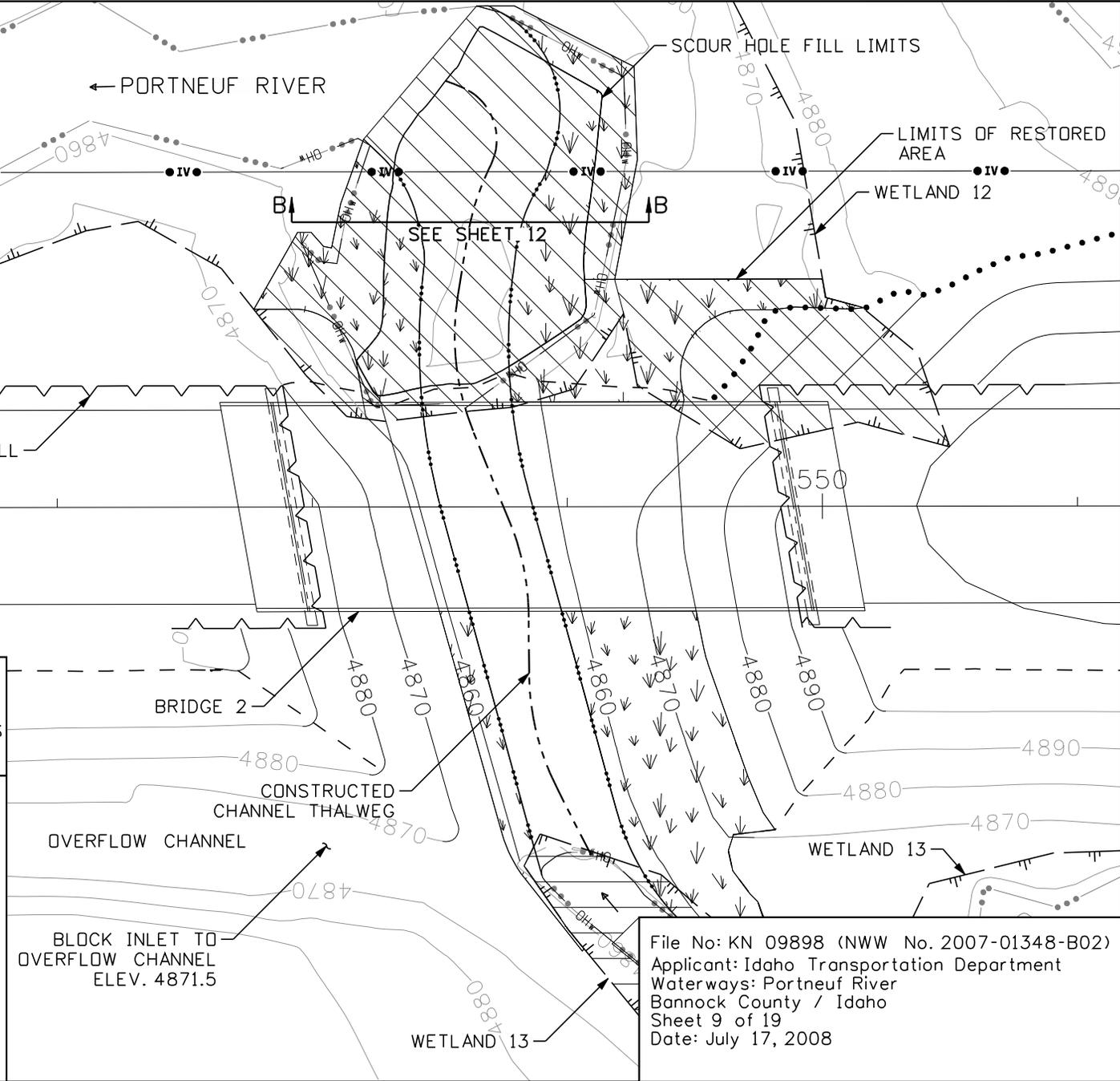
Ground Improvements

RETAINING WALL
 US-30

Wetland 12 Permanent Impacts: 0.60 AC PSS
 Wetland 13 Permanent Impacts: 0.08 AC
 : (2,446 sq ft) PSS

Restored Area: 0.41 AC

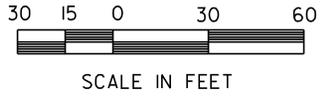
-  Retaining Wall
-  Wetland Boundary
-  New Top of Stream Bank
-  Exist. Top of Stream Bank
-  Approx. OHWM
-  Limits of Cut
-  Limits of Fill
-  Constructed Channel Thalweg
-  Right-of-Way
-  Permanent Wetland Impact
-  Restored Area

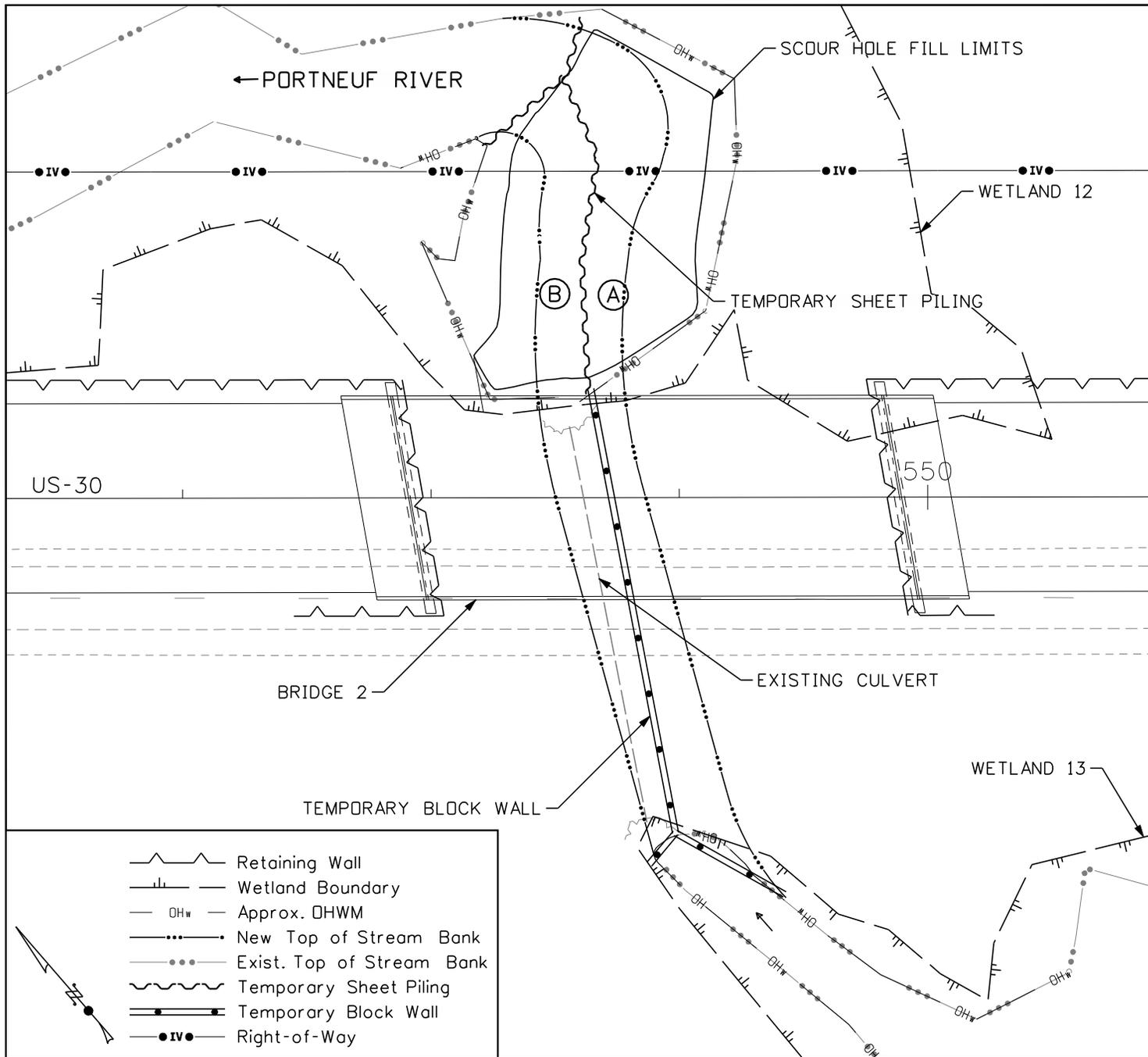


File No: KN 09898 (NWW No. 2007-01348-B02)
 Applicant: Idaho Transportation Department
 Waterways: Portneuf River
 Bannock County / Idaho
 Sheet 9 of 19
 Date: July 17, 2008

IDAHO TRANSPORTATION DEPARTMENT
 US-30 PORTNEUF RIVER BRIDGES
 BRIDGE 2

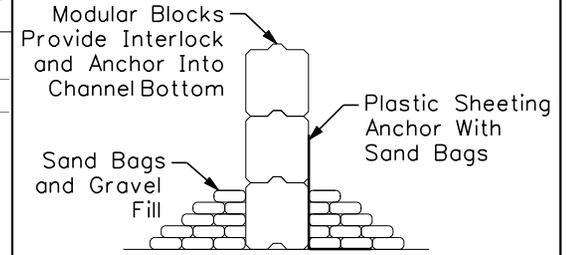
Sec 21, T 9 S, R 37 E, B.M.





FLOW DIVERSION SEQUENCING

1. Install block wall and sheet piling to maintain water in existing culvert and Area B. Fill scour hole and re-grade Area A. Install synthetic erosion control blanket over Area A.
2. Adjust block wall and sheet piling at ends to divert water to Area A. Remove existing culvert. Re-grade Area B, and fill remaining portion of scour hole.



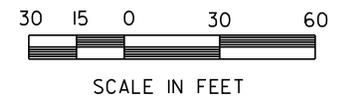
BLOCK WALL COFFERDAM
NOT TO SCALE

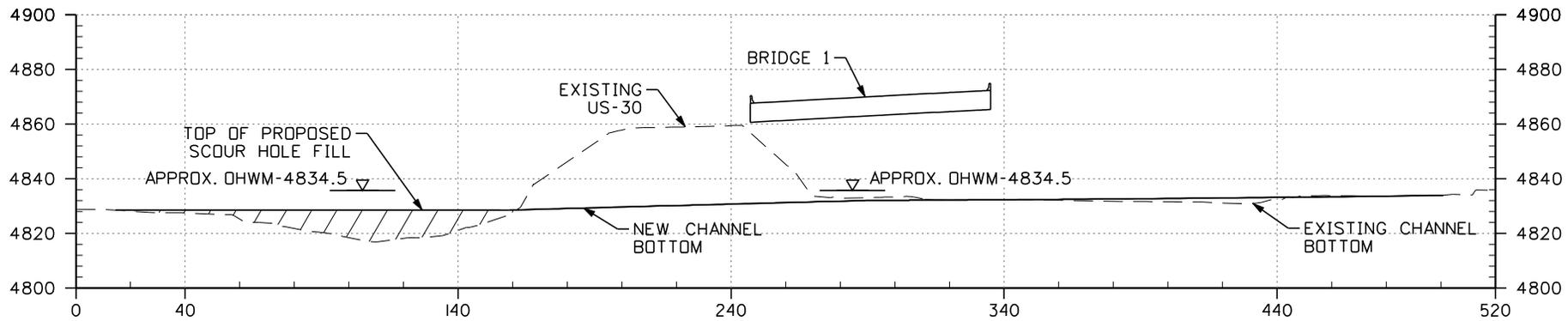
	Retaining Wall
	Wetland Boundary
	Approx. DHWM
	New Top of Stream Bank
	Exist. Top of Stream Bank
	Temporary Sheet Piling
	Temporary Block Wall
	Right-of-Way

File No: KN 09898
(NWW No. 2007-01348-B02)
Applicant: Idaho Transportation Department
Waterways: Portneuf River
Bannock County / Idaho
Sheet 10 of 19
Date: July 17, 2008

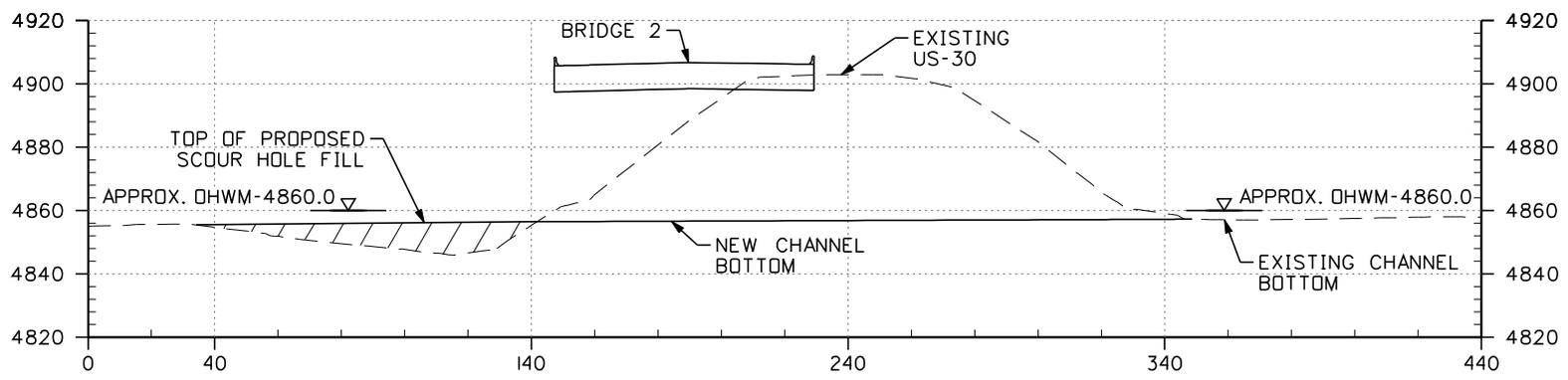
IDAHO TRANSPORTATION DEPARTMENT
US-30 PORTNEUF RIVER BRIDGES
BRIDGE 2 - TEMPORARY FLOW DIVERSION

Sec 21, T 9 S, R 37 E, B.M.





PORTNEUF RIVER PROFILE AT BRIDGE 1



PORTNEUF RIVER PROFILE AT BRIDGE 2

- Existing Ground
- ▽ OHWM-Ordinary High Water Mark
- ▨ Scour Hole Fill

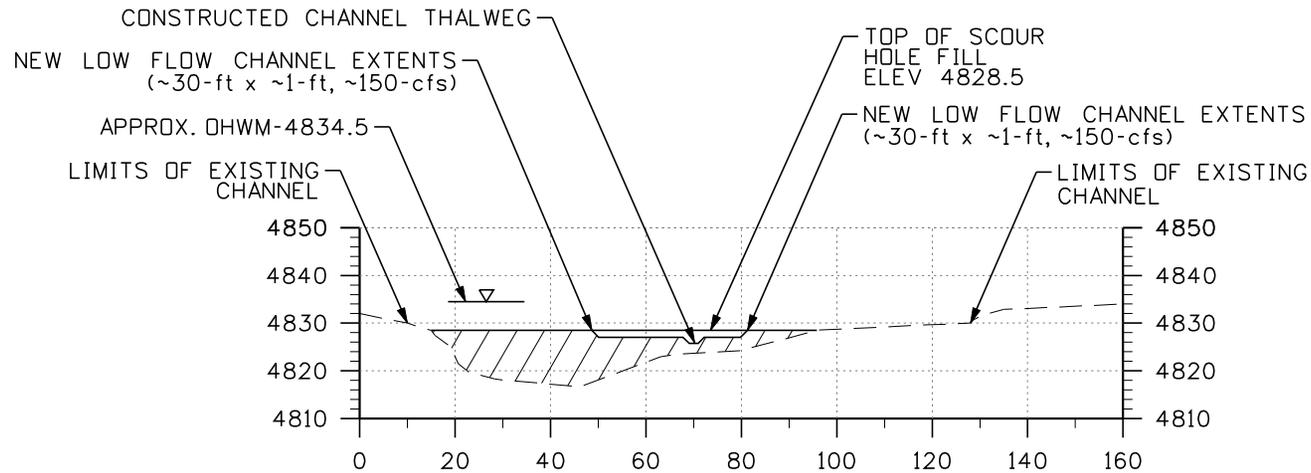
File No: KN 09898 (NWW No. 2007-01348-B02)
 Applicant: Idaho Transportation Department
 Waterways: Portneuf River
 Bannock County / Idaho
 Sheet 11 of 19
 Date: July 17, 2008

IDAHO TRANSPORTATION DEPARTMENT
 US-30 PORTNEUF RIVER BRIDGES
 BRIDGE PROFILES

Sec 21, T 9 S, R 37 E, B.M.

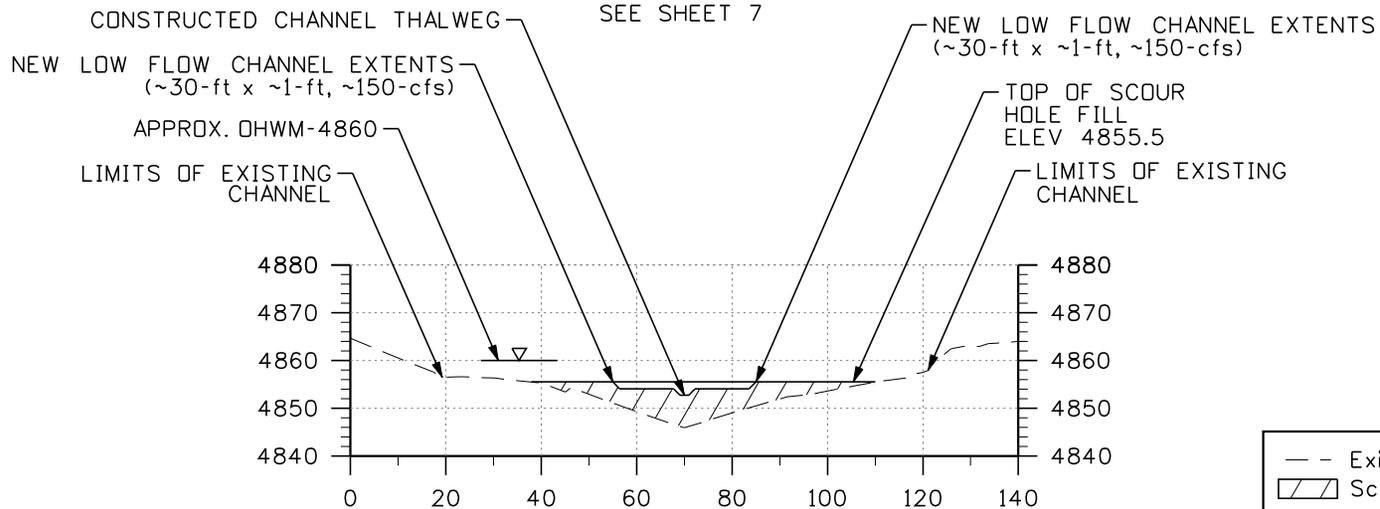


SCALE IN FEET



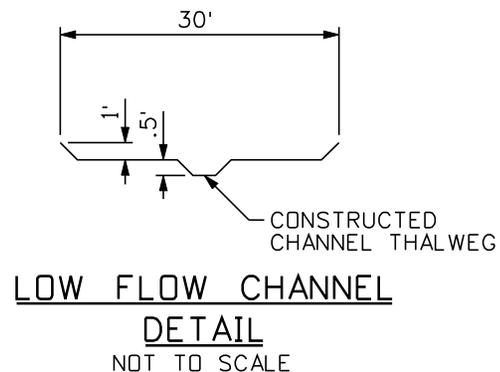
SECTION A-A

BRIDGE 1
SEE SHEET 7



SECTION B-B

BRIDGE 2
SEE SHEET 9



- - Existing Ground
 ▨ Scour Hole Fill

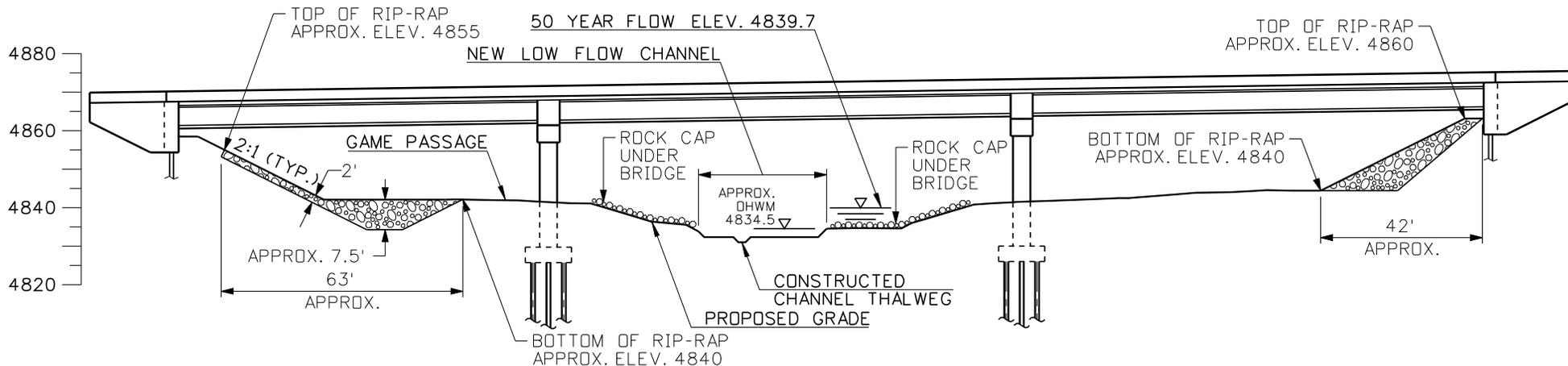
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 Waterways: Portneuf River
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IDAHO TRANSPORTATION DEPARTMENT
 US-30 PORTNEUF RIVER BRIDGES
 BRIDGES 1 AND 2 SECTIONS

Sec 21, T 9 S, R 37 E, B.M.

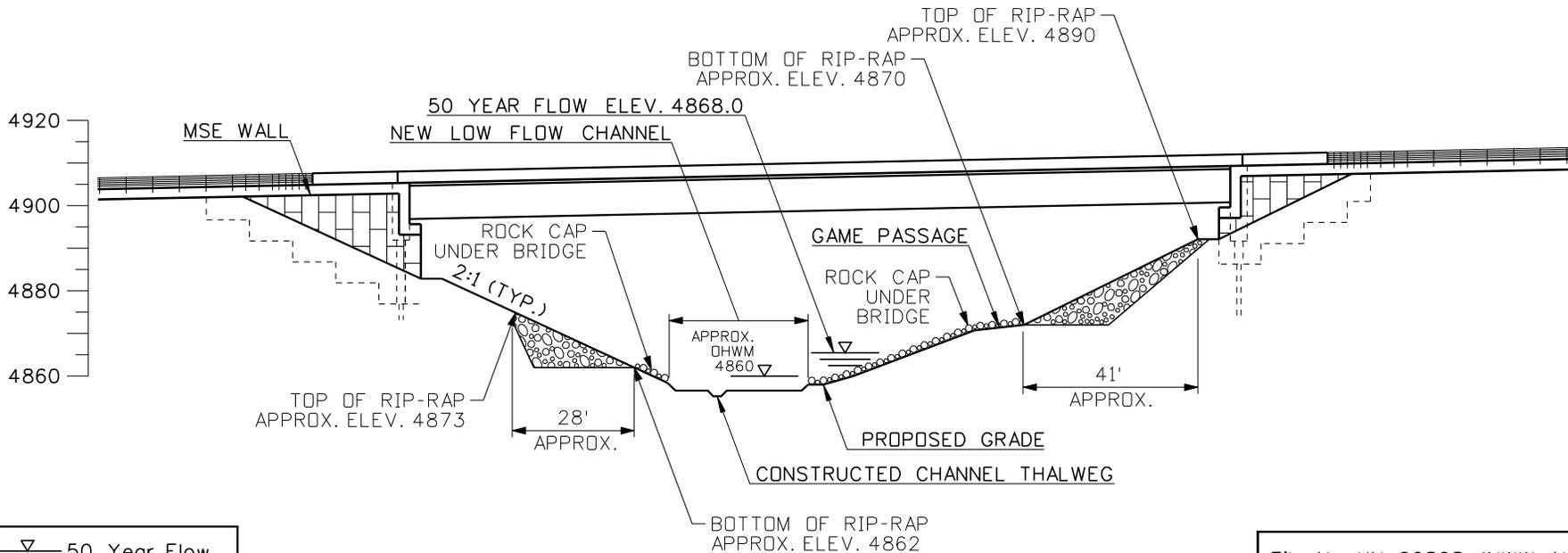


SCALE IN FEET



BRIDGE 1 ELEVATION

(AT SOUTH FACE OF NEW BRIDGE)



BRIDGE 2 ELEVATION

(AT SOUTH FACE OF NEW BRIDGE)

- 50 Year Flow
- Approx. OHWM
- Rip-Rap
- Rock Cap

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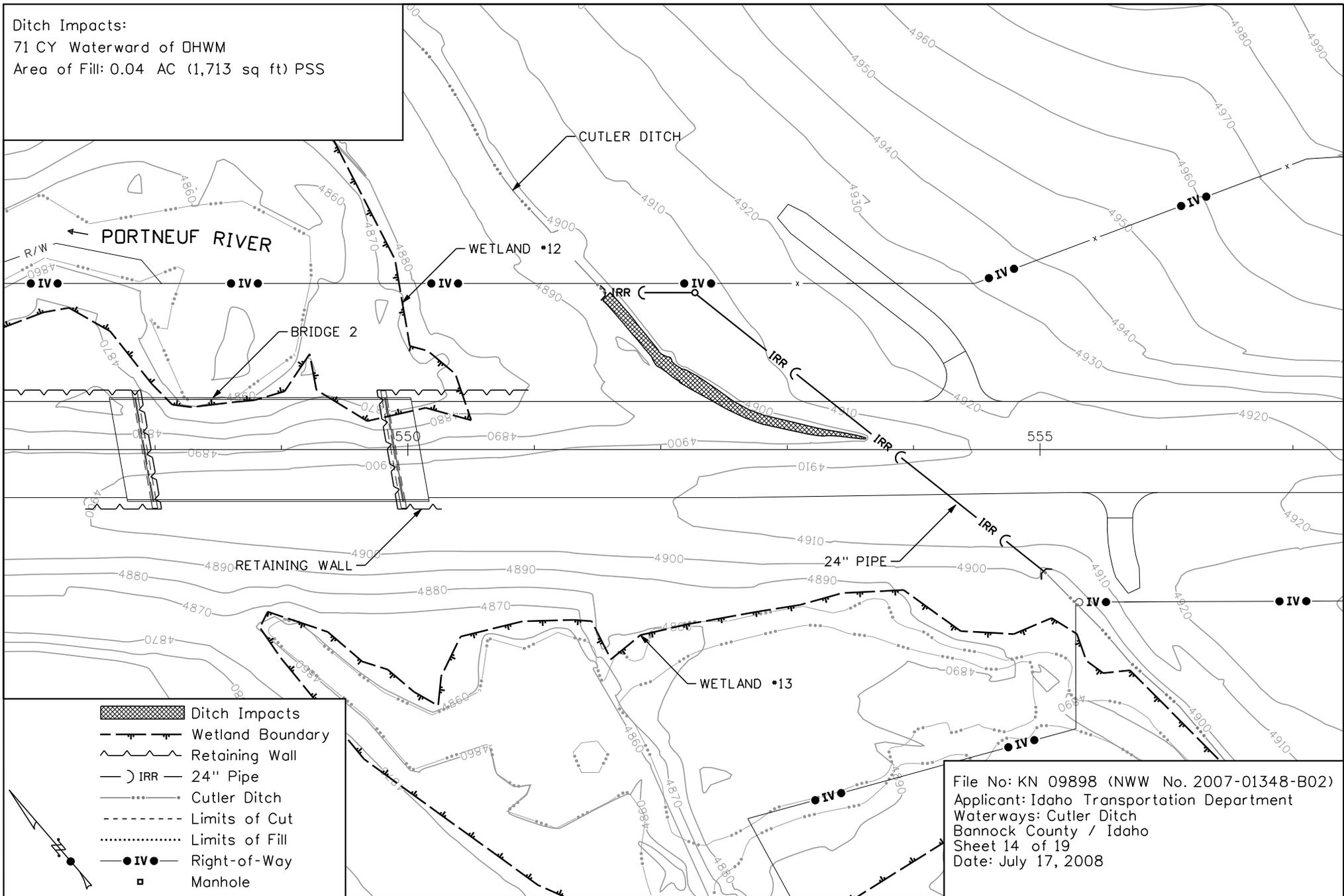
IDAHO TRANSPORTATION DEPARTMENT
 US-30 PORTNEUF RIVER BRIDGES
 BRIDGES 1 AND 2 ELEVATIONS

Sec 21, T 9 S, R 37 E, B.M.



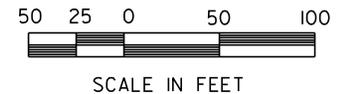
SCALE IN FEET

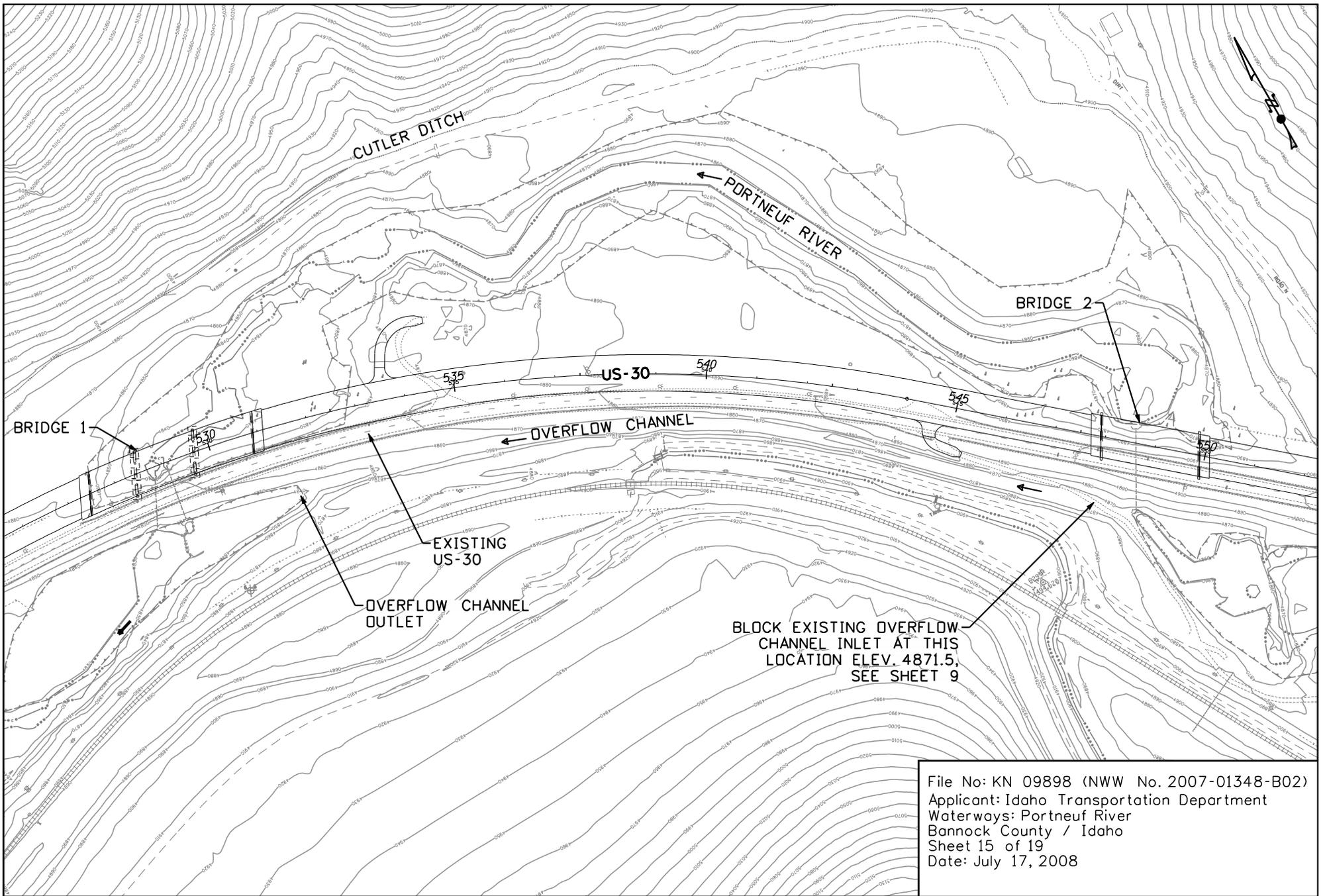
Ditch Impacts:
 71 CY Waterward of OHWM
 Area of Fill: 0.04 AC (1,713 sq ft) PSS



IDAHO TRANSPORTATION DEPARTMENT
 US-30 PORTNEUF RIVER BRIDGES
 CUTLER DITCH CROSSING

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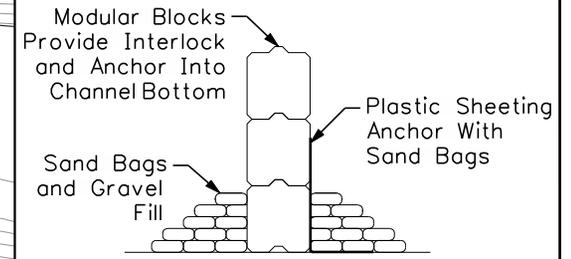
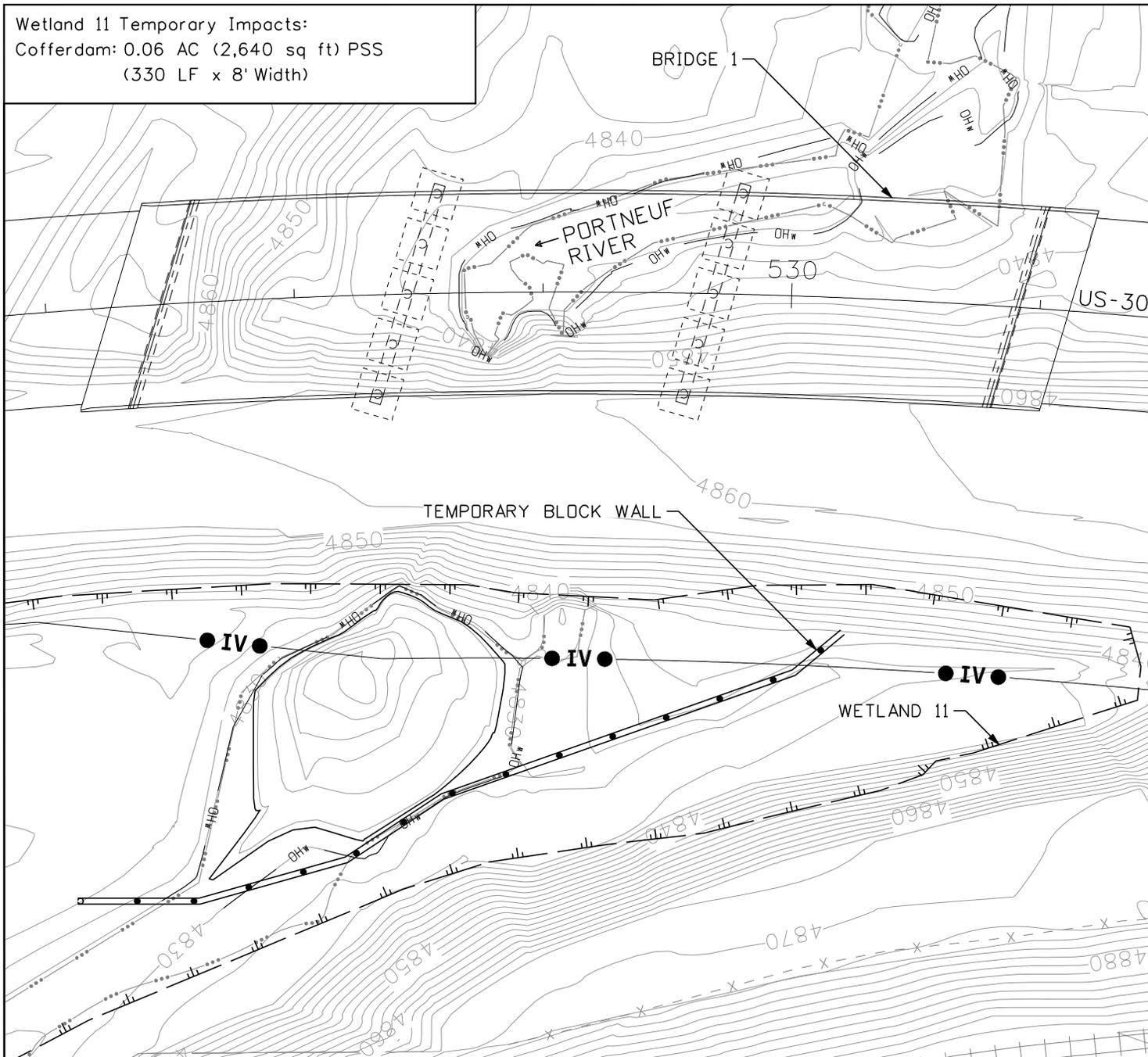




IDAHO TRANSPORTATION DEPARTMENT
 US-30 PORTNEUF RIVER BRIDGES
 OVERFLOW CHANNEL

Sec 21, T 9 S, R 37 E, B.M.

Wetland 11 Temporary Impacts:
 Cofferdam: 0.06 AC (2,640 sq ft) PSS
 (330 LF x 8' Width)



BLOCK WALL COFFERDAM
 NOT TO SCALE

- Wetland Boundary
- Exist. Top of Stream Bank
- Sheet Piling
- Temporary Block Wall
- Right-of-Way
- Approx. OHWM

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IDAHO TRANSPORTATION DEPARTMENT
 US-30 PORTNEUF RIVER BRIDGES
 PORTNEUF RIVER BYPASS OUTLET AT BRIDGE 1

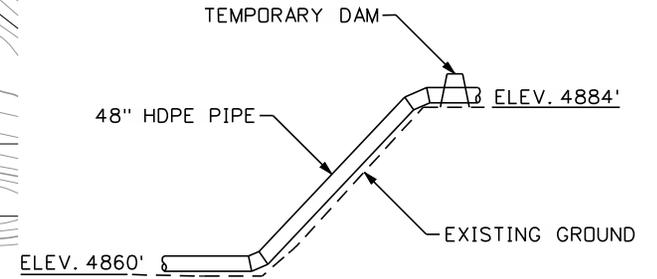
Sec 21, T 9 S, R 37 E, B.M.



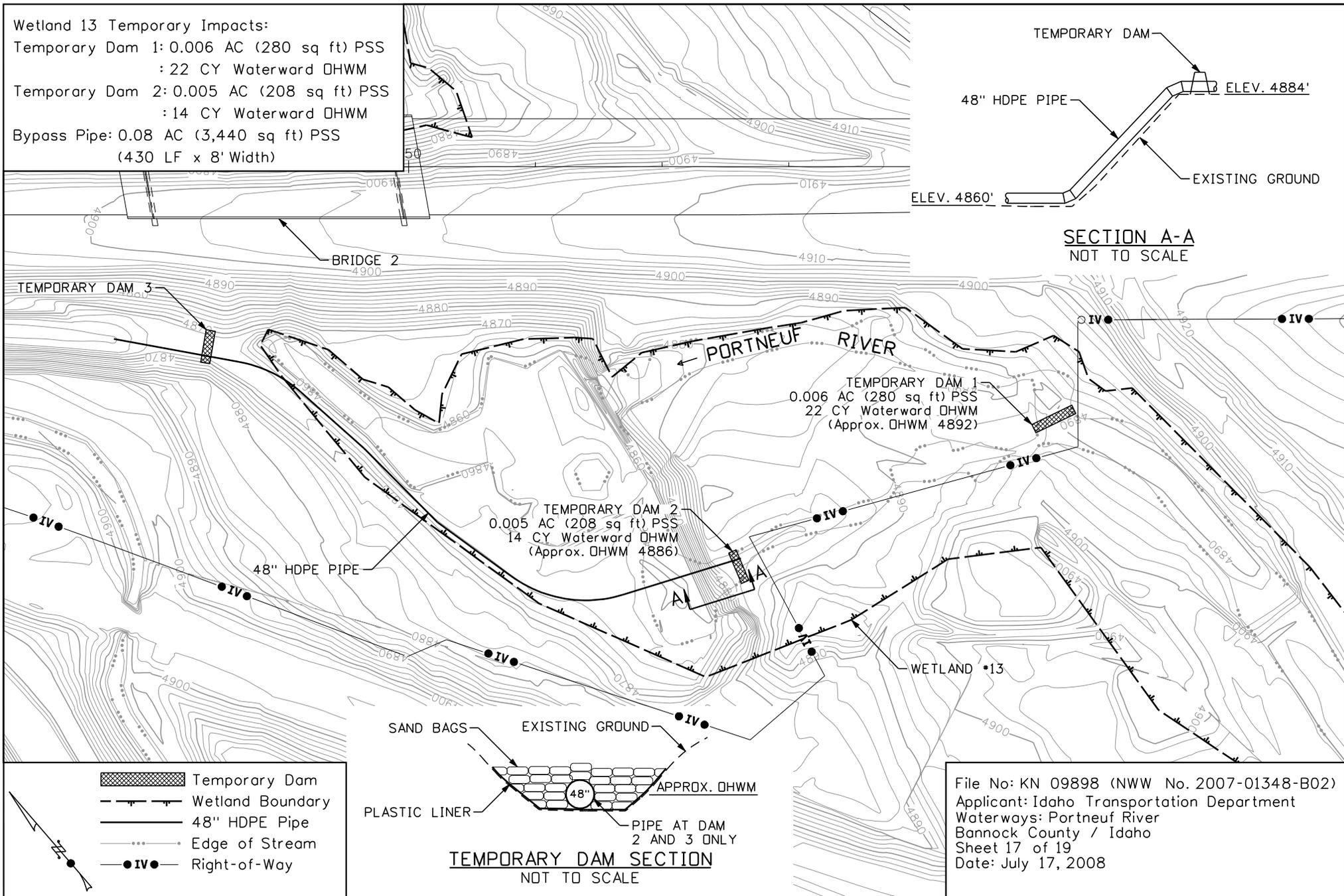
SCALE IN FEET

Wetland 13 Temporary Impacts:

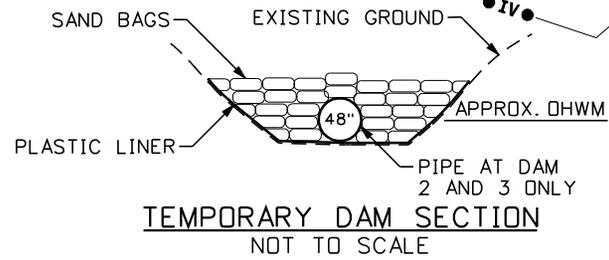
- Temporary Dam 1: 0.006 AC (280 sq ft) PSS
: 22 CY Waterward OHWM
- Temporary Dam 2: 0.005 AC (208 sq ft) PSS
: 14 CY Waterward OHWM
- Bypass Pipe: 0.08 AC (3,440 sq ft) PSS
(430 LF x 8' Width)



**SECTION A-A
NOT TO SCALE**



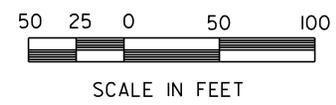
- Temporary Dam
- Wetland Boundary
- 48" HDPE Pipe
- Edge of Stream
- Right-of-Way



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**IDAHO TRANSPORTATION DEPARTMENT
 US-30 PORTNEUF RIVER BRIDGES
 PORTNEUF RIVER BYPASS**

Sec 21, T 9 S, R 37 E, B.M.



Wetland Impacts for US-30, McCammon to Lava Hot Springs

Four highway projects on US-30 will impact wetlands and water bodies. Below are the impacts and mitigation for the four projects. Map of Wetland Mitigation on the next page.

Total Impacts by Wetland Type

PEM	1.32 Acres
PSS	4.54 Acres
Water	0.39 Acres
Total	6.25 Acres

Wetland Impacts per Project

Topaz to Lava Hot Springs (Under Construction)

Wetland Number	Acres of Impact	Type
#15	0.29	PEM
#16	0.79	PEM
#17	0.07	PEM
Total Acres Impacted	1.15	
Open Water	0.04	

McCammon To Crystal Springs Road (Proposed)

Wetland Number	Acres of Impact	Type
#2	1.02	PSS
#6	0.93	PSS
#8	0.08	PEM
Harkness Cr.	0.01	PSS
Total Acres Impacted	2.04	

Projects

Project Name	Project No.	Key No.
Topaz to Lava Hot Springs (Under Construction)	A010(455)	10455
McCammon to Crystal Springs Rd. (Proposed)	A009(891)	9891
Portneuf Rv. Bridges (2) (Proposed)	A009(898)	9898
Topaz Bridge N/S (Permitted)	A009(897)	9897

Portneuf Rv Bridges(2) (Proposed)

Wetland Number	Acres of Impact	Type
#9	0.26	PSS
#10	0.09	PSS
#11	1.58	PSS
#12,#13	0.46	PSS
River	0.39	Water
Total Acres Impacted	2.78	
Temp. Impacts	0.19	PSS

Topaz Bridge N/S (Permitted)

Wetland Number	Acres of Impact	Type
#14	0.24	PSS
Total Acres Impacted	0.24	
Temp. Impacts	0.19	PSS

Wetland Mitigation Site (US-30 and Price Road)

Constructed Wetlands (Fall 2007)		Proposed Wetland Construction		Existing Wetland	
Uplands	2 acres	Uplands	0.1 acre		
PSS	4.4 acres	PSS	0.5 acres	PEM	0.8 acres
PEM	7.9 acres	PEM	1.7 acres		
Total	12.3 Ac.	Total	2.32 Acres	Total	0.8 Acres

Total Wetland Mitigation

15.42 Acres

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IDAHO TRANSPORTATION DEPARTMENT US-30 PORTNEUF RIVER BRIDGES WETLAND MITIGATION SUMMARY

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SCALE IN FEET