

JOHN SPELLMAN
Governor



cc - Elwood
Lloyd
9/27/83

DUANE BERENTS
Secretary

STATE OF WASHINGTON

DEPARTMENT OF TRANSPORTATION

Transportation Building • Olympia Washington 98504 • (206) 753-6005

August 25, 1983

Frank R. Lockard, Director
Washington State
Department of Game
600 N. Capitol Way, GJ-11
Olympia, WA 98504

SEP 26 REC'D

Re: SR 2/28, East Wenatchee
to Rocky Reach Dam
Mitigation Agreement

Dear Mr. Lockard:

Please find attached a letter of agreement with measures to mitigate impacts that may result from highway construction of SR 2/28 near East Wenatchee. These measures have been developed jointly with the U.S. Fish and Wildlife Service and Washington Department of Game personnel.

The wetland area described is located at Engineer Station 167 to 179 and the upland area is located between Station 157 to 160. Both areas are shown on the attached vicinity map.

It is the intent of WSDOT to maintain these areas in a natural state for the life of this project.

In addition to these measures, WSDOT is also providing artificial perch sites and revegetation intended to benefit the bald eagle, which is explained in the attached letter.

Please sign on page two of the letter agreement.

Sincerely,

Handwritten signature of Clyde L. Slemmer in cursive.

CLYDE L. SLEMMER, P. E.
Project Development Engineer

CLS:gkv

Attachment

LETTER OF AGREEMENT

The Washington Department of Transportation has proposed to construct and operate a relocated highway SR 2/28 near East Wenatchee, in Douglas County.

The Department of Transportation desires to protect wildlife resources and to provide mitigation for any unavoidable adverse impacts of the project. This agreement is between the Department of Transportation, Department of Game, and U.S. Fish and Wildlife Service concerning mitigation required under the FWCA, 16 USC SS 661, et seq.

The Washington State Department of Game has the responsibility to preserve, protect, and perpetuate fish and wildlife resources in the State of Washington. Through this agreement, the Department also implements its responsibility under the FWCA.

The impacts of this project upon the fish and wildlife resources, their habitat, and fish and other wildlife recreational activity have been identified. Appropriate mitigation measures have been identified and are set forth below.

The Department of Transportation agrees to undertake the following actions relative to this project as replacement of habitat being covered and disturbed by the routing of a highway through wetland areas and wildlife habitat.

1. Mitigation Lands. The mitigation lands are identified on the attached Exhibit 1. These lands consist of approximately 3.3 acres of land. One parcel of land, approximately 2.8 acres in size, is located near highway relocation station 170, in the vicinity of Porter's Pond. These lands are adjacent to the Columbia River (Rock Island Dam reservoir) and measure approximately 1200 ft. in length by 170 ft. in width.

The second parcel of land, approximately 0.5 acres in size, is located near highway relocation station 158. These lands are also adjacent to the Columbia River.

The Department of Transportation agrees to develop these lands in the following described manner.

2. Reconstruction of Wetlands.

Parcel 1. The Department of Transportation will develop this parcel in accordance with Exhibit 2. The principal feature will be an excavated ditch designed to meander throughout the length of this parcel. Each end of this ditch will be constructed to connect with the Columbia River at mean low water (elev. 615 ft. MSL), but pervious dikes shall be constructed at the upper and lower ends.

These dikes will be composed of material to allow the passage of water through the ditch but will prevent the entrance, entrapment, and stranding of fish. These dikes will be constructed to such height so as to prevent the overflow of the river into the ditch. The ditch shall have a minimum width of 20 ft., with the sides having a 1-to-1 slope. The bottom of the ditch shall be established prior to excavation by representatives of the Department of Transportation, the Department of Game, and the U.S. Fish and Wildlife Service.

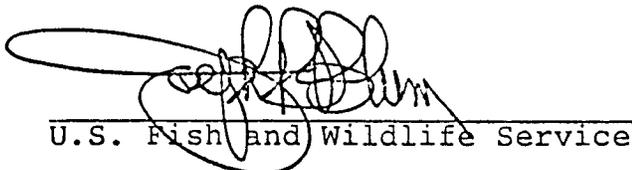
Parcel 1 will be vegetated by the Department of Transportation with vegetative species recommended by the Department of Game and U.S. Fish and Wildlife Service. These species will probably include, but not be limited to, wild rice, sago pondweed, white clover, bluegrass, vetch, orchard grass, forbs, Russian olive, black locust, and Siouland cottonwood. The wild rice and sago pondweed will be planted within the wetted perimeter of the ditch. The white clover, bluegrass, and vetch will be seeded, mulched, and fertilized on the shorelands of the Columbia River. The orchard grass, forbs, Russian olive, black locust, and Siouland cottonwood will be planted adjacent to the ditch, with the heaviest concentration between the toe of the highway fill and the ditch. The location of trees will be considered so as to not cause a hazard to highway traffic. Existing trees will be retained whenever possible. Existing trees, which because of their height constitute a hazard to highway users, may be topped to reduce the hazard.

Parcel 2. The Department of Transportation will develop this parcel in accordance with Exhibit 3. The work will consist of leveling and grading existing earth to elev. 616.5 ft. MSL approximately, depositing suitable topsoil and leveling to elev. 617 ft. MSL approximately. The Department of Transportation will then seed this area with a mixture of white clover, bluegrass, and vetch. This area will be mulched and fertilized after seeding.

ACCEPTED AND APPROVED BY:


Washington Department of Game

DATE: August 26, 1983


U.S. Fish and Wildlife Service

DATE: August 30, 1983


Washington Department of
Transportation

DATE: Aug 31, 1983

JOHN SPELLMAN
Governor



DUANE BERENTSON
Secretary

STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION

Transportation Building • Olympia, Washington 98504 • (206) 753-6005

August 24, 1983

Jim A. Bottorff
Endangered Species Project Leader
U.S. Fish and Wildlife Service
2625 Parkmont Lane S.W., B-2
Olympia, WA 98502

Re: I-3-83-I-380

Dear Mr. Bottorff:

We are in receipt of your letter of August 5, 1983, containing your recommendations to reduce impacts to bald eagles in the vicinity of our project "SR 2/28 East Wenatchee to Rocky Reach Dam".

Your recommendations were to provide six artificial perches along the river, and to plant deciduous trees in suitable adjacent locations. This would assure: future perch sites, roosting and/or nesting habitat, and replacement of an equivalent amount of vegetation that will be lost due to construction activities.

We are in agreement with these recommendations and propose to implement them as follows:

1. Artificial perch sites - Artificial perches will be located as follows (locations are approximate):
 - Site 1 - Sta. 184+50, near the south end of the project.
 - Sites 2 & 3 - Sta. 170 and 178, situated in an area in which WSDOT will construct a slough of 2.79 acres in size.
 - Site 4 - Sta. 155, just north of wetland.
 - Site 5 - Sta. 107, near an existing large Cottonwood snag that may be taken at River Mile 467.5.
 - Site 6 - Sta. 250, 3600 feet north of the Olds Bridge.

Jim A. Bottorff
August 24, 1983
Page 2

Such things as food availability and areas known to be frequented by bald eagles were used as a guide in selecting these sites.

The artificial perch sites will be a cross-member attached to a power pole at a 40-foot height from the ground. The poles will be placed or near at the water's edge.

2. Replanting of deciduous trees will take place following major excavation and construction activities. A vegetation map will be constructed showing existing stands of trees so that the amount to be replanted will at least be equivalent to that lost, with identical or similar tree species.

It is our understanding that these actions satisfy our requirements regarding endangered species for this project.

Sincerely,



SM
S. A. MOON, P. E.
Location-Design Engineer

SAM:gkv
JAS (EN)

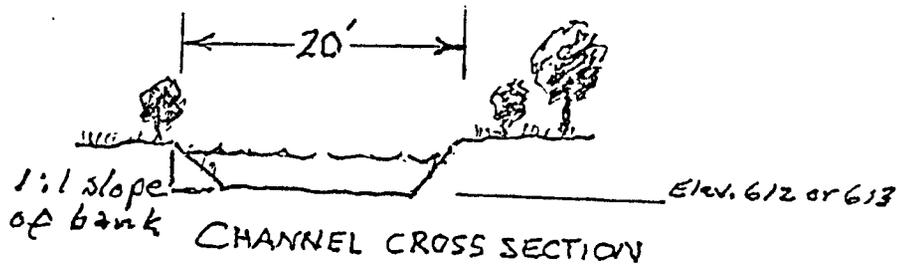
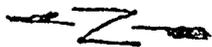
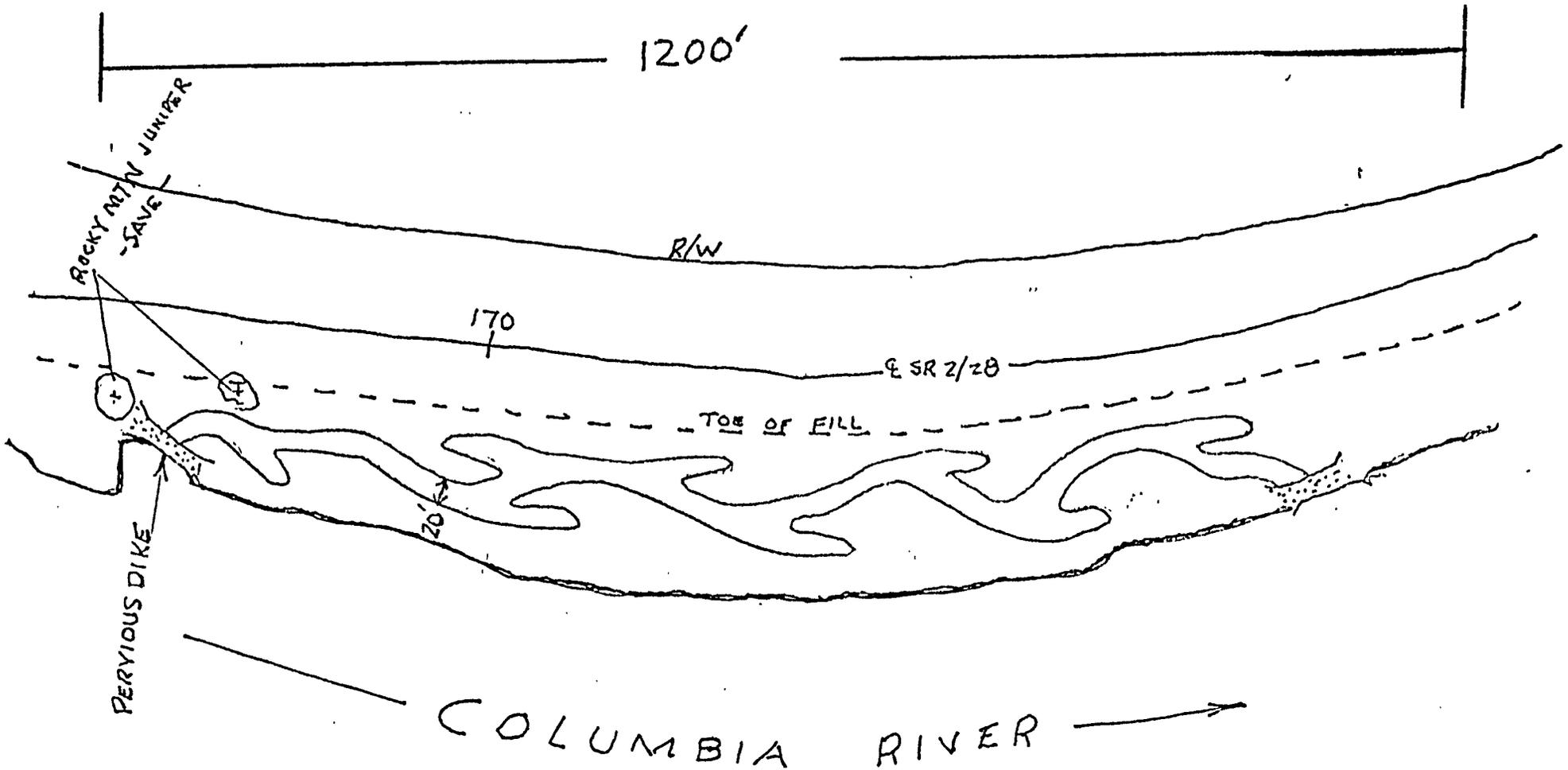
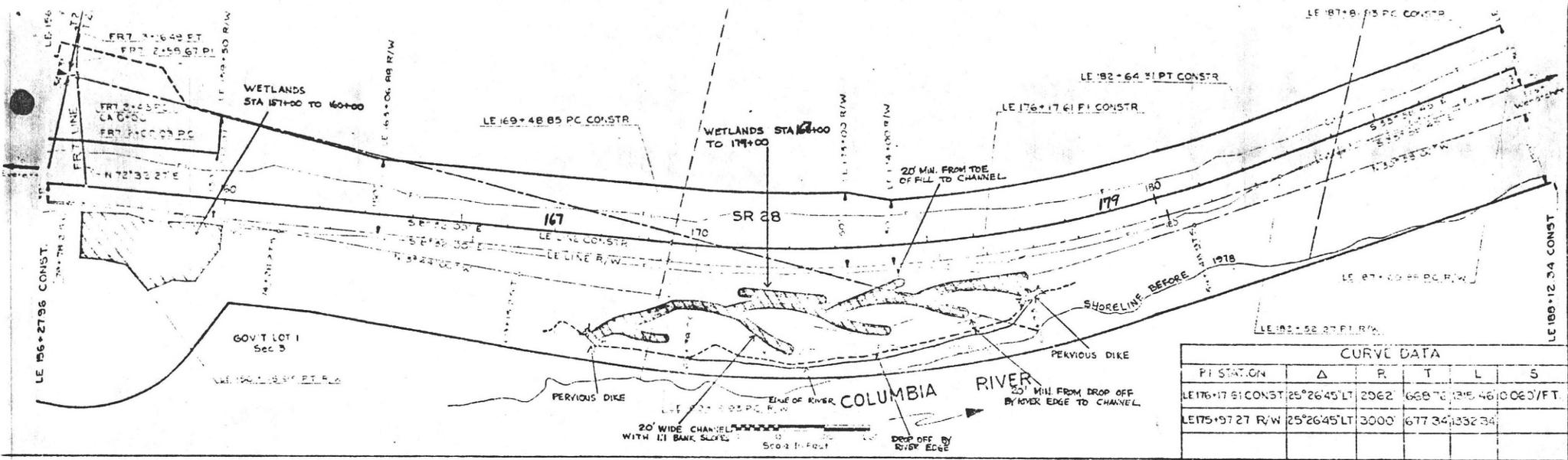


Exhibit 2

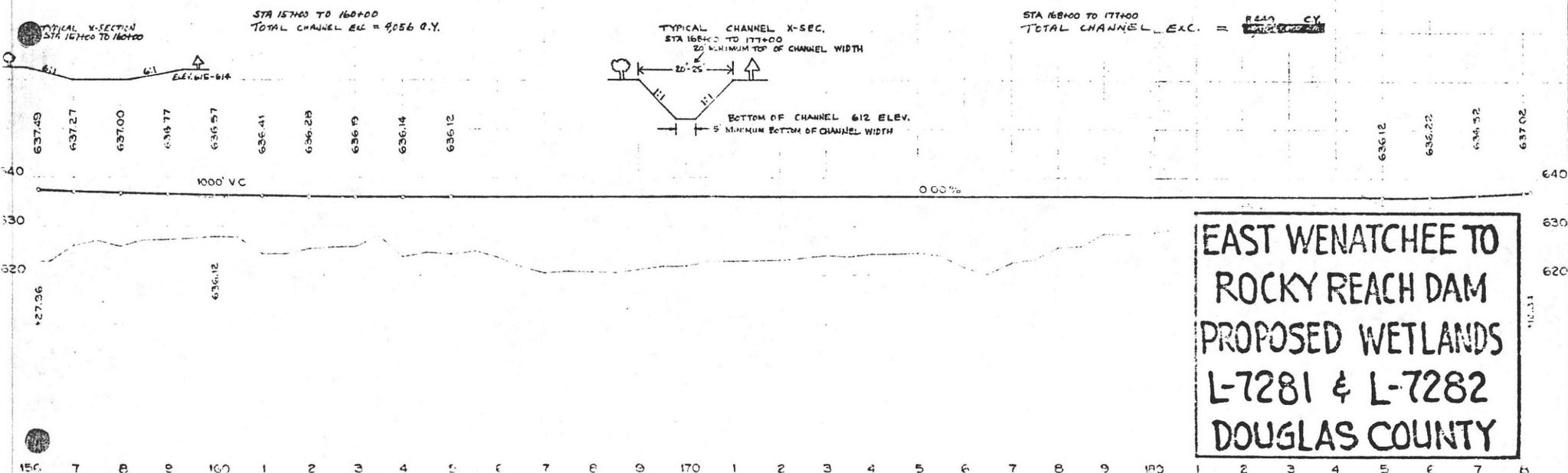
Parcel 1 - Wetland area
2.792 acres

Water elevs.
Normal high flow - 616.5 ft.
Normal low flow - 615.0 ft.

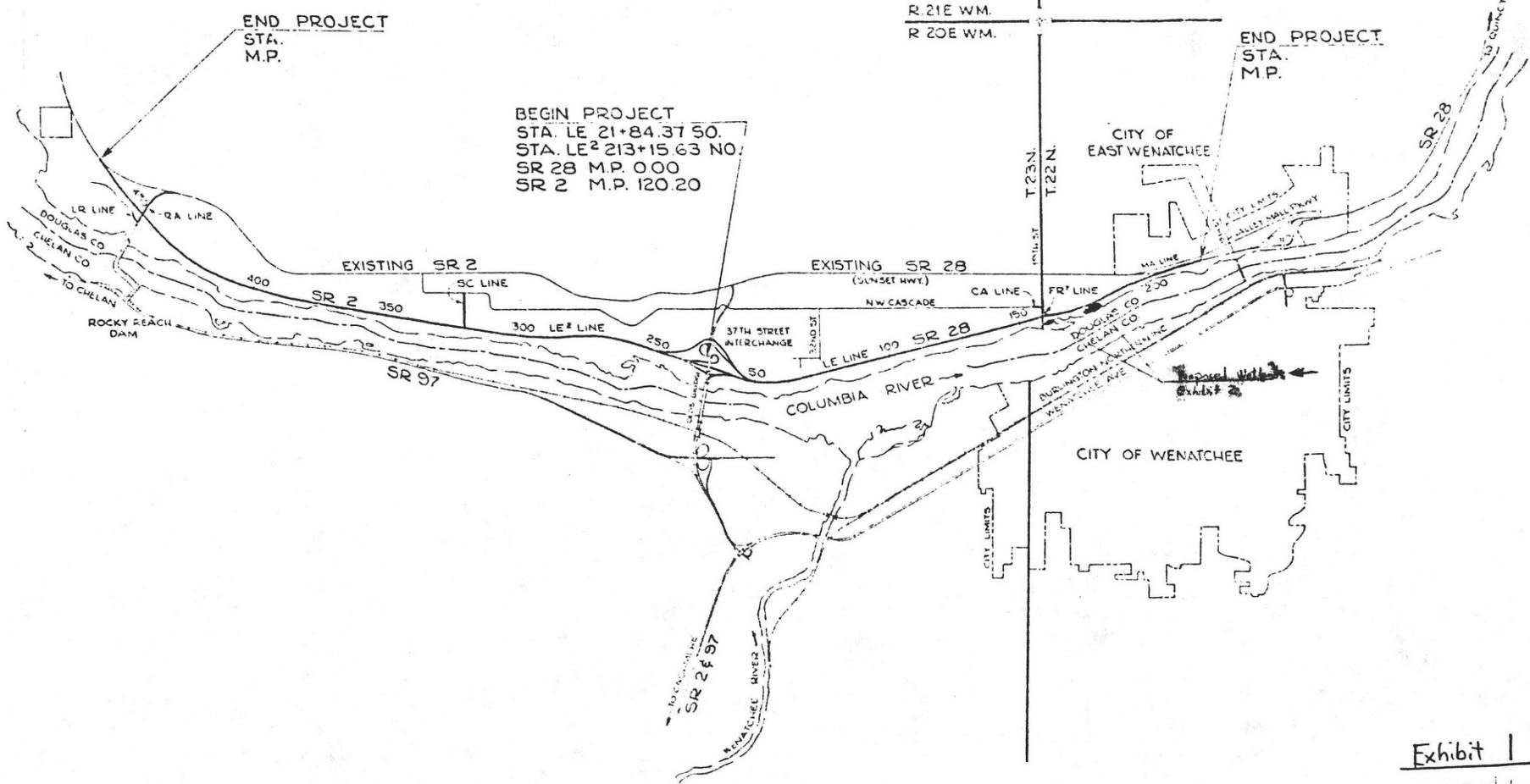
Bottom of dike 612-613 ft.
0 50 100 150 ft. scale 1" = 150 ft.



CURVE DATA					
PI STATION	Δ	R	T	L	S
LE176+17 61 CONSTR	25°26'45"LT	2062	668.70	1315.46	0063/F.T.
LE175+97 27 R/W	25°26'45"LT	3000	677.34	1332.34	



**EAST WENATCHEE TO
 ROCKY REACH DAM
 PROPOSED WETLANDS
 L-7281 & L-7282
 DOUGLAS COUNTY**



VICINITY MAP
 NO SCALE

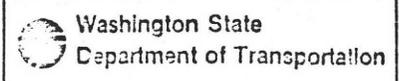
Exhibit 1

East Wenatchee TO
 ROCKY REACH DAM
 VICINITY MAP
 L 72217 L 7232
 Douglas County

E. WENATCHEE
 DOUGLAS CO
 CHELAN CO
 WENATCHEE CO

DRAWN		STATE, FED. AID PROJ. NO.	
CHECKED		10 WASH.	
DATE		1-8-78	
BY		1-8-78	
SCALE			

HIGHWAY DIVISION



STATE OF WASHINGTON

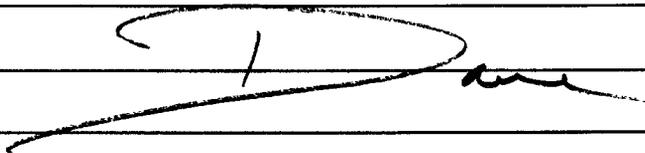
THE DEPARTMENT OF GAME

10/11/83

Chris:

Mull asked me to brief you
on E. Wenatchee to RR Dam
mitigation agreement.

Attached are copies of everything
I have. I will explain if you
want.



Oh ya!

Please return

Thanks

JOHN SPILLMAN
Governor



17 of 120.1 EA
Schafer

DUANE BERENTSON
Secretary

STATE OF WASH
DEPARTMENT OF TRANSPORTATION
Transportation Building • Olympia, Washir.

August 25,

Original

*Complete
Copy*

Frank R. Lockard, Director
Washington State
Department of Game
600 N. Capitol Way, GJ-11
Olympia, WA 98504

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ACCEPTED AND APPROVED BY:



Washington Department of Game

DATE: 8/26/03

U.S. Fish and Wildlife Service

DATE: _____

Washington Department of
Transportation

DATE: _____



STATE OF WASHINGTON
DEPARTMENT OF TRANSPORTATION

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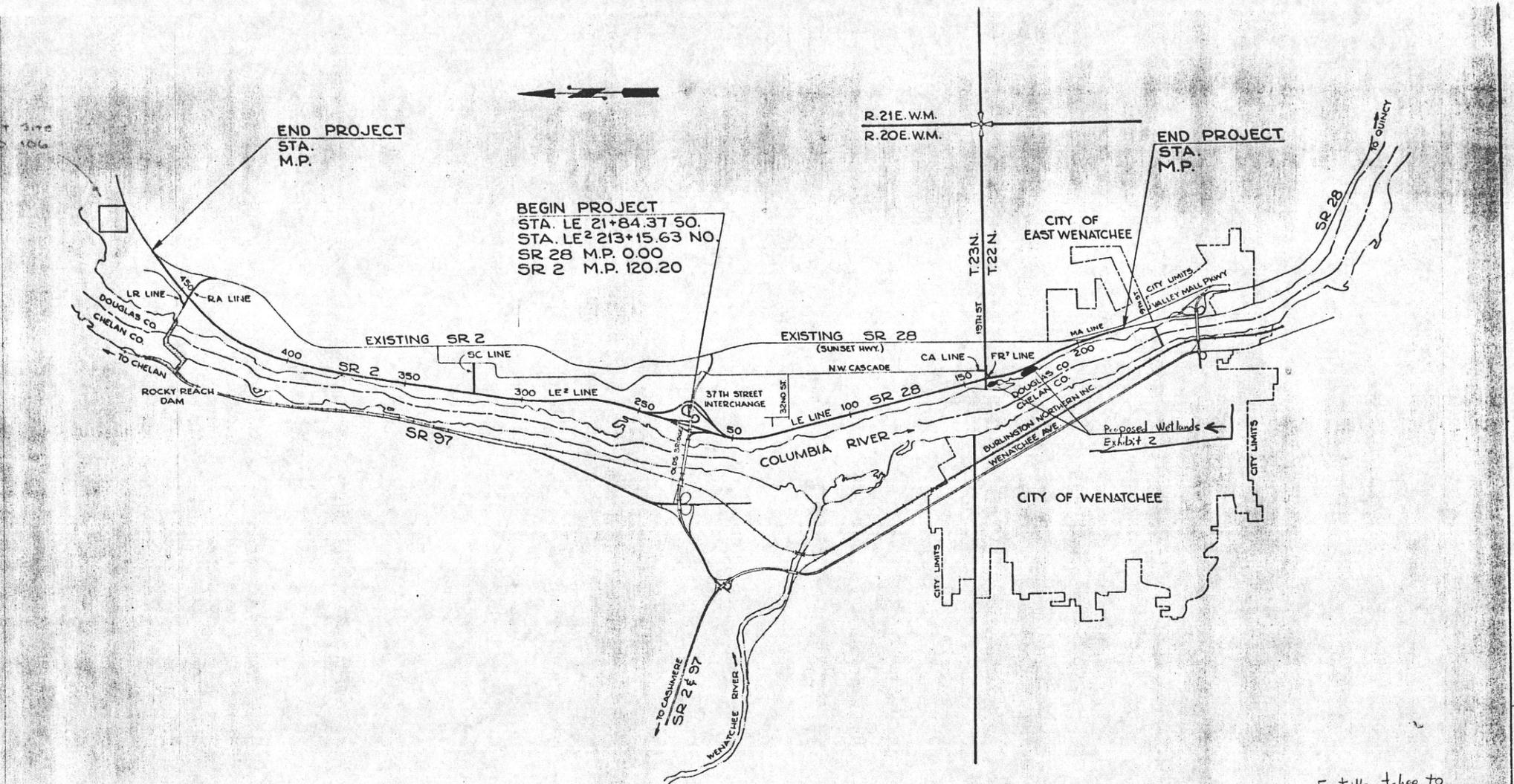
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AM
S. A. MOON, P. E.
Location-Design Engineer

SAM:gkv
JAS (EN)



VICINITY MAP
 NO SCALE

East Wenatchee to
 ROCKY REACH DAM
 Proposed WETLANDS
 VICINITY MAP
 L 7281 & L 7282
 Douglas County

DATE	STATE	FED. AID PROJ. NO.	EST. NO.	TOTAL PROJECT
10	WASH			
CHECKED				
JOB NUMBER				
CONTRACT NO.				

HIGHWAY DIVISION

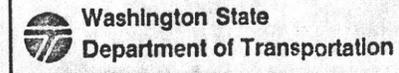


Exhibit 1

10/1 ENGR. F. MURRAY
 3/7 ADM. R. COOK

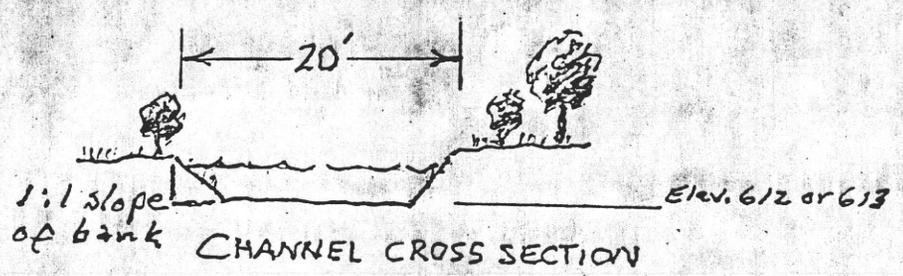
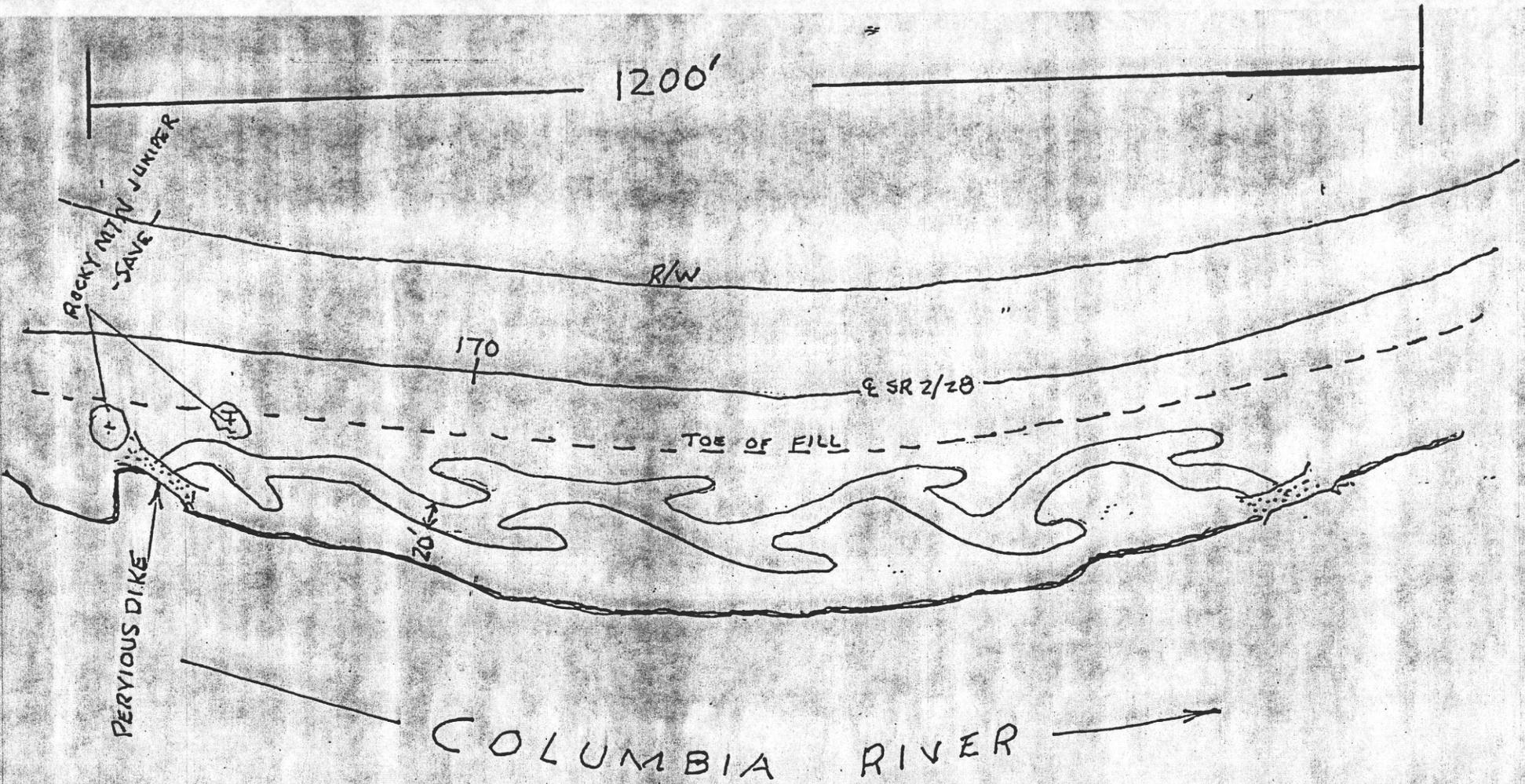
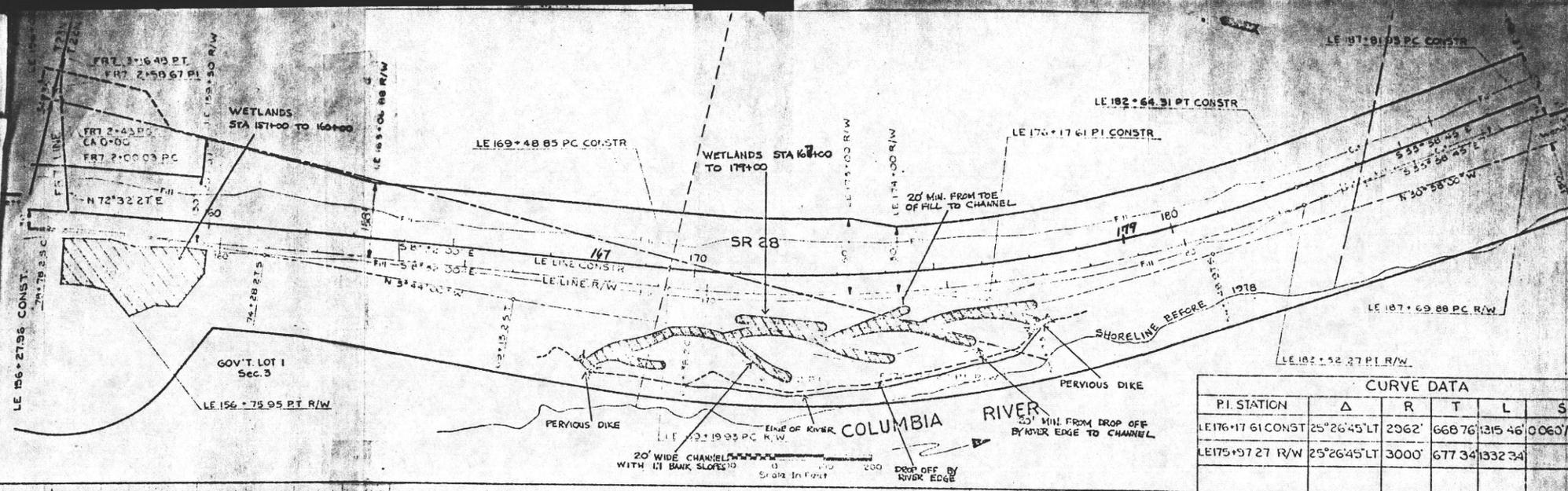


Exhibit 2

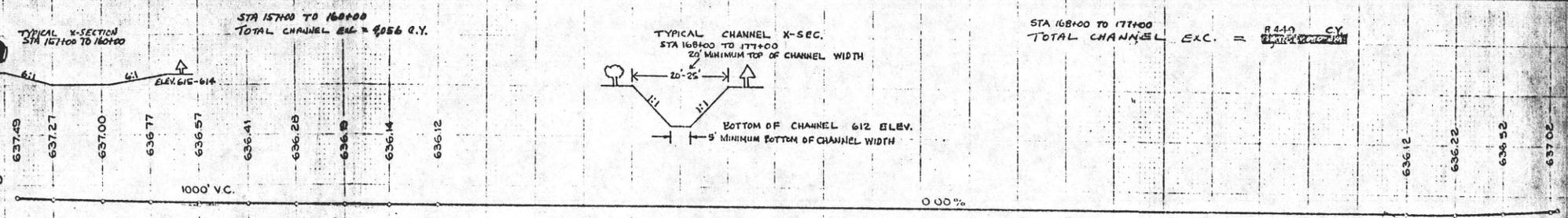
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 Bottom of dike 612-613 ft.

0 50 100 150
 ft. Scale 1" = 150 ft.



CURVE DATA					
PI STATION	Δ	R	T	L	S
LE 176+17.61 CONST	25°26'45" LT	2962'	668.76'	1315.46'	0.06307'
LE 175+97.27 R/W	25°26'45" LT	3000'	677.34'	1332.34'	



**EAST WENATCHEE TO
ROCKY REACH DAM
PROPOSED WETLANDS
L-7281 & L-7282
DOUGLAS COUNTY**