



US Army Corps
of Engineers
Seattle District

Public Notice of Application for Permit

Regulatory Branch
Post Office Box 3755
Seattle, Washington 98124-3755
Telephone (206) 764-3495
ATTN: Ron Wilcox, Project Manager

Public Notice Date: December 22, 2003
Expiration Date: January 22, 2004
Reference: 200300570
Name: Washington State Historical Society

Interested parties are hereby notified that an application has been received for a Department of the Army permit in accordance with Section 10 of the Rivers and Harbors Act of March 3, 1899, and Section 404 of the Clean Water Act for certain work described below and shown on the enclosed drawings.

APPLICANT – Washington State Historical Society

Mr. David Nicandri
1911 Pacific Avenue
Tacoma, Washington 98402
Telephone: (253) 798-5900

AGENT – Ecological Land Services, Incorporated
Mr. Francis Naglich
1157 Third Avenue, Suite 220
Longview, Washington 98632
Telephone: (360) 578-1371

LOCATION – The project site is located along U.S. Highway 101, between milepost (MP) 1.85 and 2.30, in wetlands adjacent to the Columbia River near McGowan, Pacific County, Washington

WORK – The proposed park project will involve the following elements:

- Realign 0.50 miles of U.S. Highway 101 by placing up to 2,500 cubic yards of fill material into 0.39 acres of forested and emergent wetland. The realignment includes a wetland crossing that will be spanned with a 4-foot diameter culvert.
- Place up to 500 cubic yards of fill material into 0.13 acres of emergent wetland for the development of approximately an 8.7-acre park. Up to 350 cubic yards of material will be placed at the shoreline of the Columbia River, below the Ordinary High Water (OHW) line, to construct two interpretive overlooks.

PURPOSE – To develop a public park.

ADDITIONAL INFORMATION – Project Leadership: The lead agency responsible for managing park design, permitting, and property acquisition is the Washington State Historical Society (WSHS), being supported by the Washington State Department of General Administration. The Washington State Department of

Transportation (WSDOT) is responsible for the US Highway 101 realignment. Other partners involved on a regular monthly meeting basis, with the project during planning and design include the National Park Service (NPS) Washington State Parks and Recreation Commission, Federal Highway Administration (FHWA), local stakeholders (Pacific County representatives) and others.

Environmental Compliance: For environmental compliance, WSDOT, acting on behalf of the FHWA is taking a lead role in ensuring that all aspects of the project comply with applicable federal, state, and local regulations, including the National Environmental Policy Act (NEPA). FHWA (represented by WSDOT) is assuming the "lead agency" status for NEPA. The NPS, the other federal agency involved in the project is assuming a "cooperating agency" role in NEPA.

The proposed U.S. Highway 101 realignment will result in the availability of an 8.7-acre crescent shaped parcel of land, adjacent to the Columbia River, which will be developed into the Station Camp Park. The park will commemorate the bicentennial of the Lewis and Clark Expedition Corps of Discovery. The park will have recreational and interpretive opportunities including the Station Camp site, McGowan Family history, McGowan Church history, the local Native American relations with the Lewis and Clark Expedition Corps of Discovery, and the unique ecology of the Columbia River estuary. Six existing structures, consisting of a duplex and five deteriorating wooden buildings will be relocated or demolished.

All new fill material will be obtained from Washington State Department of Transportation (WSDOT) approved permitted quarry or quarries. The roadway realignment will also correct a safety issue along a dangerous curving section of the highway. See figures 2 through 7 for details.

Curbing, ditches, culverts, and catch basins will be installed to collect runoff from the 2 acres of impervious surfaces of the realigned highway and 2.4 acres of impervious surfaces of the proposed park. The runoff will then be conveyed via culverts to bioinfiltration swales. The stormwater treatment facilities will be designed to treat 100 percent of all impervious surfaces. See figures 8 through 13 for details.

MITIGATION – The wetland and shoreline mitigation as a result of the highway realignment and park development will include the following: 0.10-acres of riverine embayment creation with vegetated fringe; 0.46-acres of shoreline enhancement that will consist of removing the existing highway, installing large woody debris, and planting with native species; 10-acres of wetland with forested vegetation, scrub-shrub, and emergent components will be preserved off-site in the upper Chinook watershed. See figures 14 through 23 for details.

ENDANGERED SPECIES - The Endangered Species Act (ESA) of 1973, as amended, requires assessment of potential impacts to listed and proposed species. The FHWA is the lead agency for ESA consultation. The FHWA has consulted with National Marine Fisheries Service (NMFS) and has received concurrence with the determination of May Affect, Not Likely to Adversely Affect for NMFS listed species. FHWA's informal consultation with USFWS is on going.

ESA listed species under the U.S. Fish and Wildlife Service (USFWS) jurisdiction that occur in the project area include: bald eagle (Haliaeetus leucocephalus) listed threatened; bull trout (Salvelinus confluentus) listed threatened; and marbled murrelet (Brachyramphus marmoratus) listed threatened.

ESA listed species under the jurisdiction of NMFS that occur may in the project area include Upper Columbia spring Chinook (Oncorhynchus tshawytscha) listed threatened; Chinook salmon (Oncorhynchus tshawytscha) (Lower Columbia River, Snake River fall/spring/summer) listed threatened; chum salmon (Oncorhynchus keta) (Lower Columbia River) listed threatened; sockeye salmon (Oncorhynchus nerka) (Lower Columbia River, Middle Columbia River, Snake River) listed threatened; multiple steelhead (Oncorhynchus mykiss) (Lower Columbia River, Middle Columbia River, Snake River) listed threatened, in the state of Washington.

For marbled murrelet, Snake River spring/summer/fall Chinook salmon, Snake River sockeye salmon, Lower Columbia River Chinook, Upper Columbia River Chinook, Columbia River chum, Lower/Middle/Upper Columbia River steelhead, and Snake River steelhead, critical habitat has been designated.

ESSENTIAL FISH HABITAT - The Magnuson-Stevens Fishery Conservation and Management Act (MSA), as amended by the Sustainable Fisheries Act of 1996, requires all Federal agencies to consult with the National Marine Fisheries Service (NMFS) on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). EFH for Pacific salmon, Groundfish, Coastal Pelagic Species occur in the project area. The proposed action would impact approximately 0.95-acres of EFH for these species.

The FHWA is the lead agency for a determination of effect regarding EFH. The FHWA has determined that the project will have No Adverse Affect on EFH for the above listed species. No further EFH consultation is necessary.

CULTURAL RESOURCES – The NPS has taken the lead role in completing the cultural and archeological resources inventory/survey work for the Station Camp Project. The site survey work has been completed and a report prepared. An MOA is not being required by SHPO to mitigate impacts. SHPO has concurred with the analysis in the determination of “No Adverse Affect” upon cultural resources in the “Area of Project Effect.”

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.

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. That decision will reflect the national concern for both protection and utilization of important resources. The benefits 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, considerations of property ownership, and, in general, the needs and welfare of the people.

The U.S. Army Corps of Engineers (Corps) 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 activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for the work. 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 activity.

The evaluation of the impact of the activity on the public interest will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act. This evaluation will include an alternatives analysis.

200300570

ADDITIONAL EVALUATION - The State of Washington is reviewing this work for consistency with the approved Washington Coastal Zone Management Program and for compliance with the applicable State and Federal water quality standards pursuant to Section 401 of the Clean Water Act.

This proposal is the subject of Shorelines Substantial Development Permit, being processed by Pacific County.

COMMENT AND REVIEW PERIOD - Comments on these factors will be accepted and made part of the record and will be considered in determining whether it would be in the best public interest to grant a permit. Comments should reach this office, Attn: Regulatory Branch, not later than the expiration date of this public notice to ensure consideration and refer to the following name and file number:

Washington State Historical Society
200300570

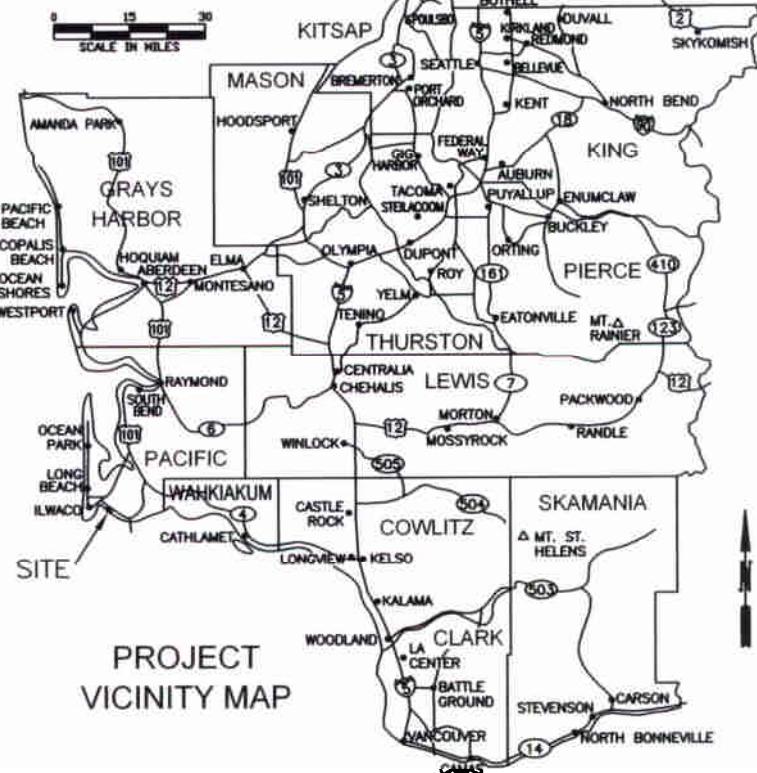
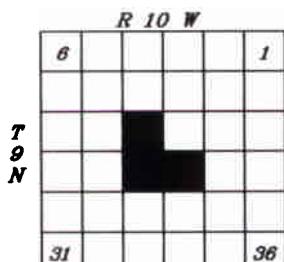
Encl

Drawings ()



SITE
46° 14' 49" Latitude
123° 54' 32" Longitude

LOCATION MAP



PURPOSE: Realign US Highway 101 (MP 1.85-2.30) and develop public park to commemorate the Lewis and Clark Station Camp site.

DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
(see attached list on sheet 2)

SITE LOCATION MAP

WA State Historical Society
1911 Pacific Avenue
Tacoma, Washington 98402

FIGURE 1

REFERENCE: 2003-0-0570

APPLICANT: WA State Historical Society

COUNTY: Pacific County, Washington

WATERBODY: Columbia River

NEAR: Chinook, Washington

DATE: 10/03

SHEET 1 of 23

0

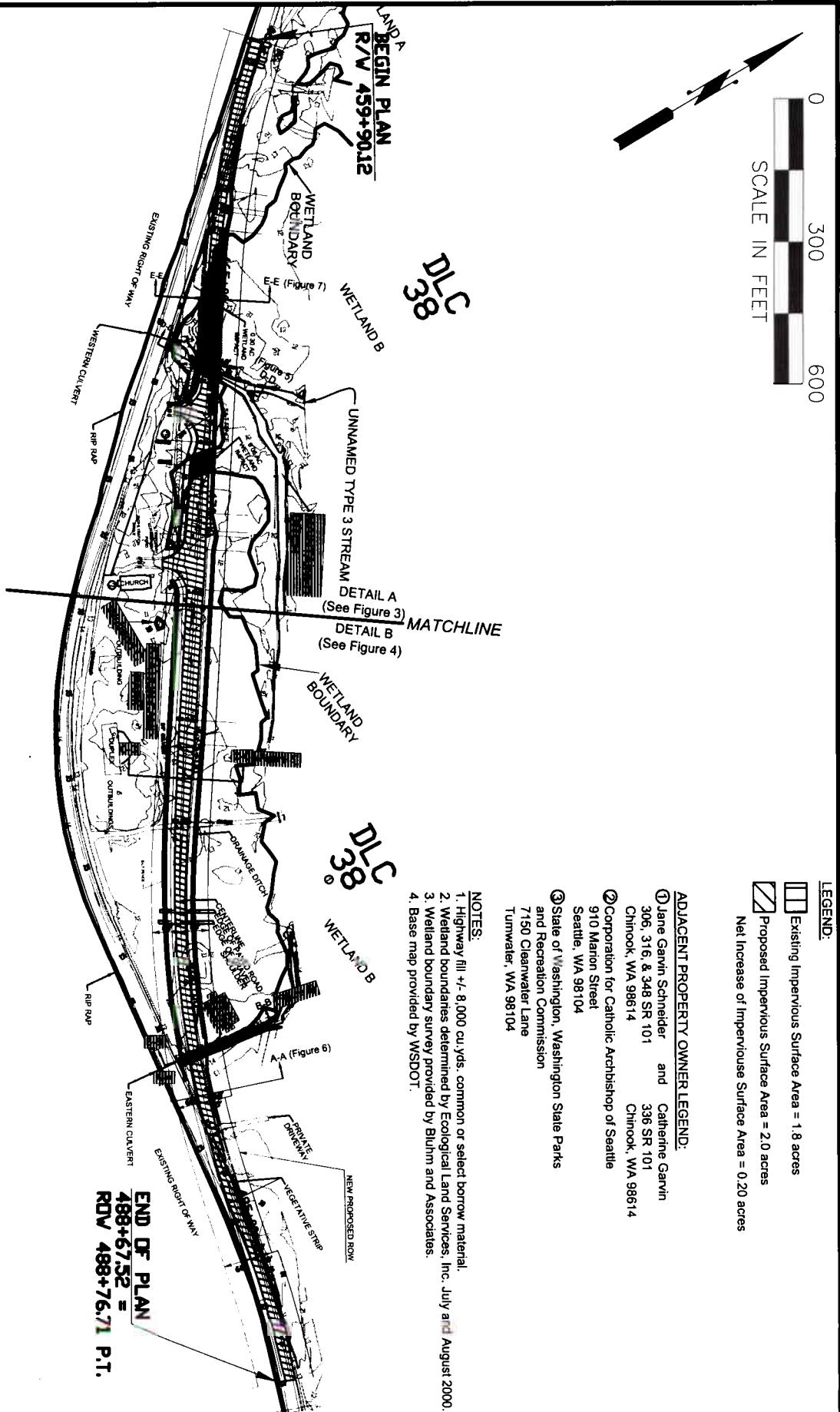
300

600

SCALE IN FEET

LEGEND:

- Existing Impervious Surface Area = 1.8 acres
- Proposed Impervious Surface Area = 2.0 acres
- Net Increase of Impervious Surface Area = 0.20 acres



PURPOSE: Realign US Highway 101 (MP 1.85-2.30) HIGHWAY REALIGNMENT PLAN - OVERVIEW and develop public park to commemorate the Lewis and Clark Station Camp site.

REFERENCE: 2003-0-0570

APPLICANT: Washington State Historical Society

COUNTY: Pacific County, Washington

WATERBODY: Columbia River

NEAR: Chinook, Washington

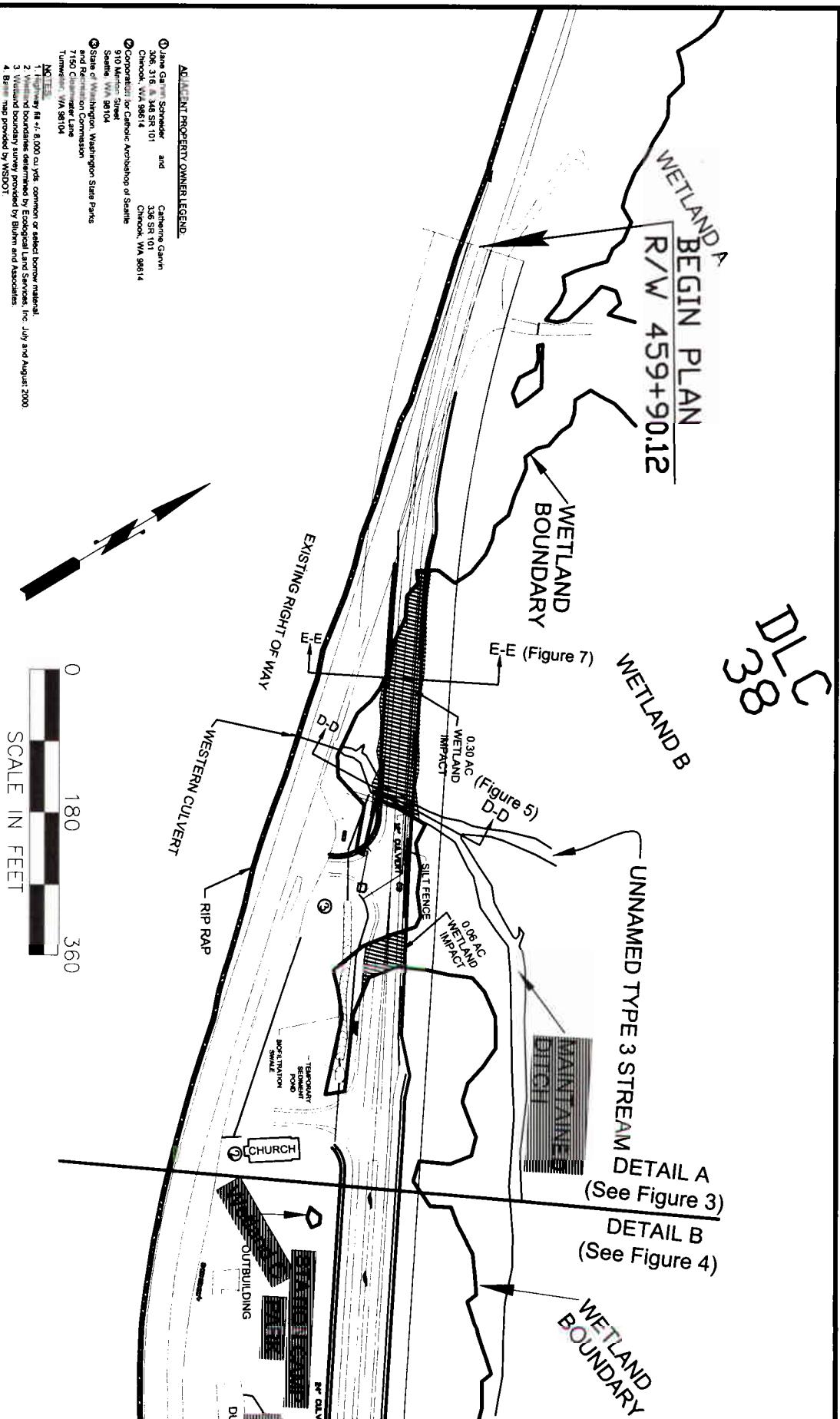
DATE: 12/03

SHEET 2 of 23

DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
(see legend above)

DLC
38



PURPOSE: Realign US Highway 101 (MP 1.85-2.30) and develop public park to commemorate the Lewis and Clark Station Camp site.

DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
(see legend above)

HIGHWAY REALIGNMENT PLAN

REFERENCE: 2003-0-0570

APPLICANT: Washington State Historical Society

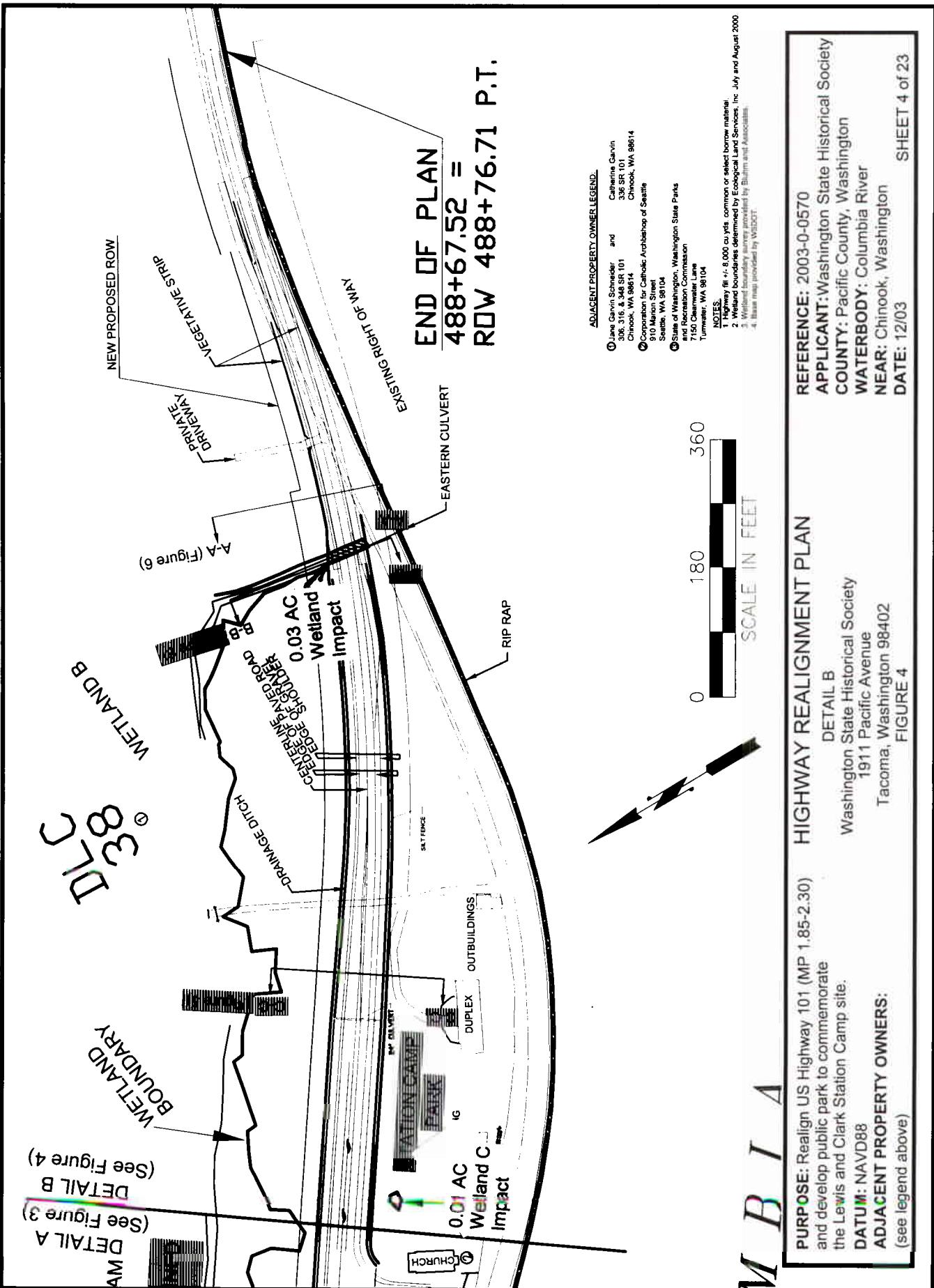
COUNTY: Pacific County, Washington

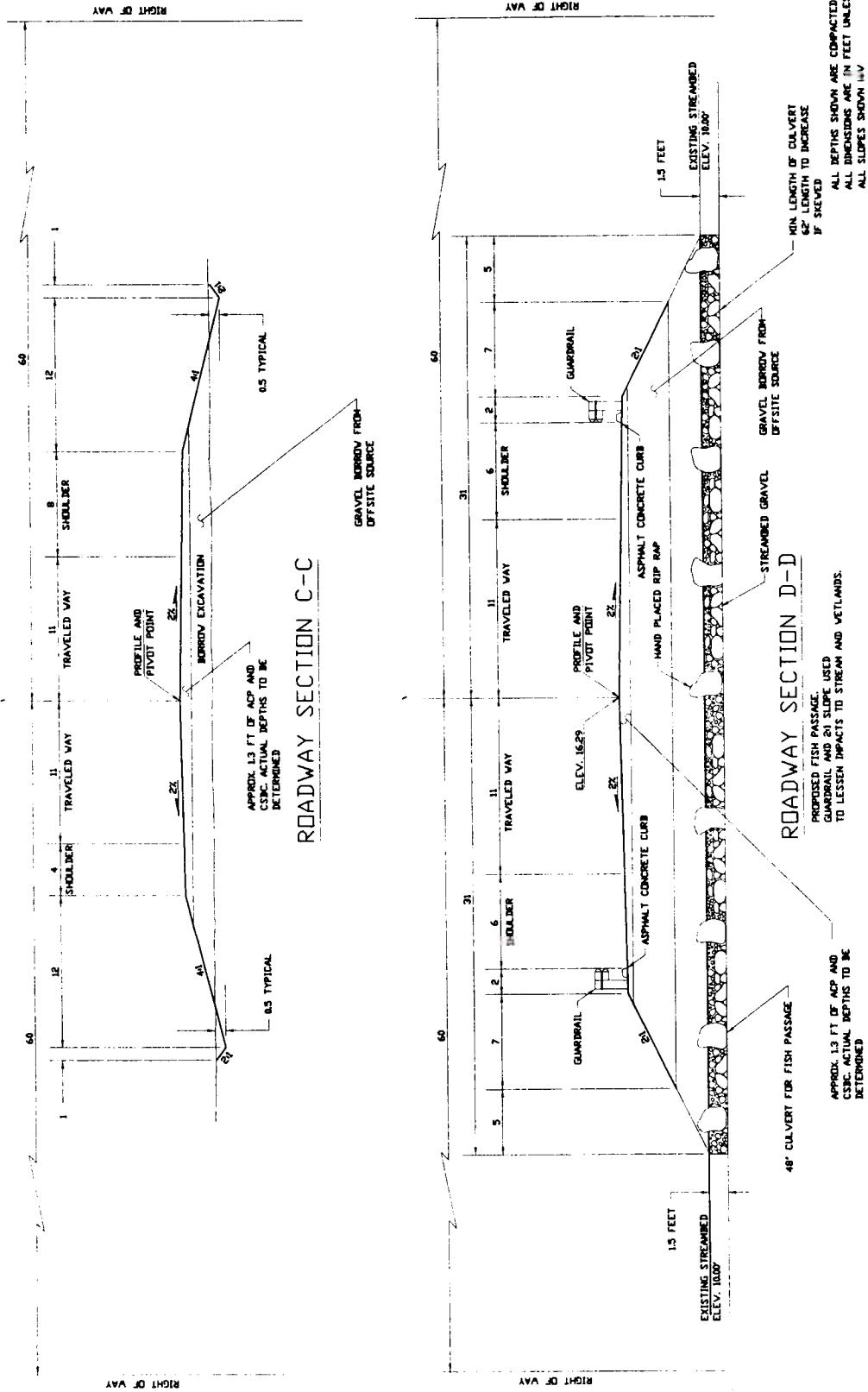
WATERBODY: Columbia River

NEAR: Chinook, Washington

DATE: 12/03

SHEET 3 of 23





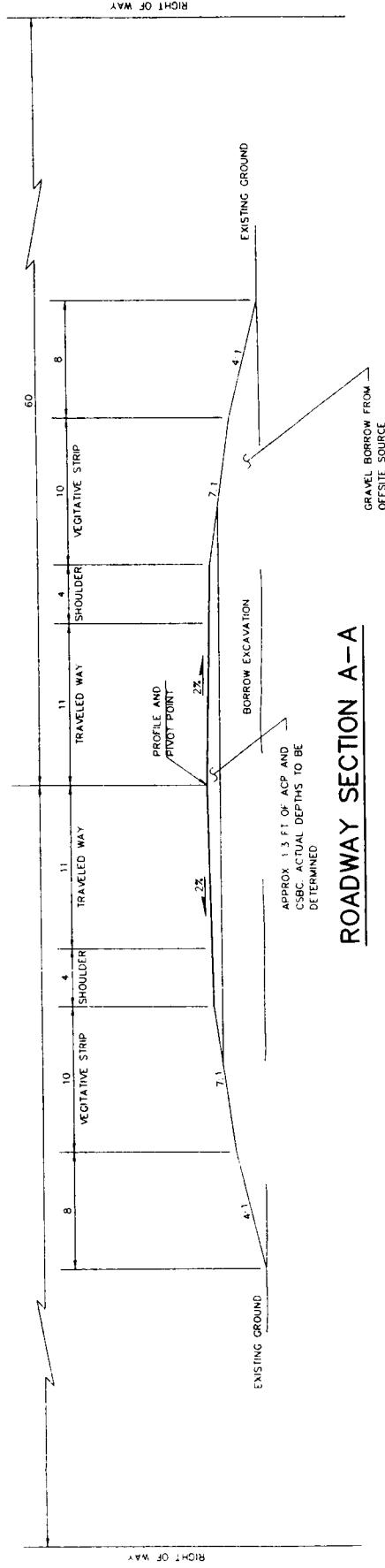
NOTE: Base map provided by WSDOT.

PURPOSE: Realign US Highway 101 (MP 1.85-2.30) and develop public park to commemorate the Lewis and Clark Station Camp site.
DATUM: NAVD88
ADJACENT PROPERTY OWNERS:
 (see attached list on sheet 2)

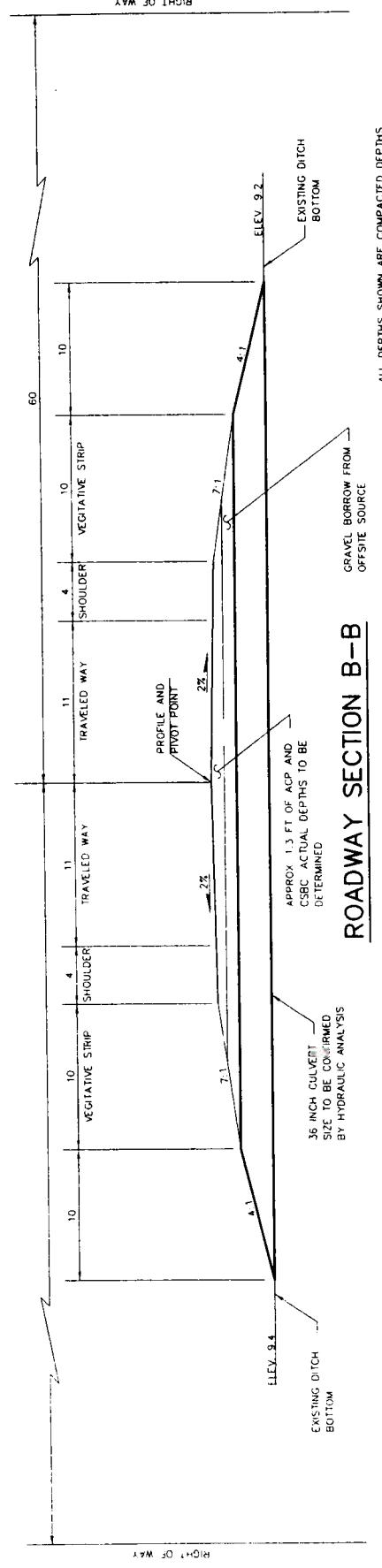
FIGURE 5

REFERENCE: 2003-0-0570
APPLICANT: Washington State Historical Society
COUNTY: Pacific County, Washington
WATERBODY: Columbia River
NEAR: Chinook, Washington
DATE: 10/03

SHEET 5 of 23



ROADWAY SECTION A-A



ROADWAY SECTION B-B

NOTE: Base map provided by WSDOT.

PURPOSE: Realign US Highway 101 (MP 1.85-2.30) and develop public park to commemorate the Lewis and Clark Station Camp site.

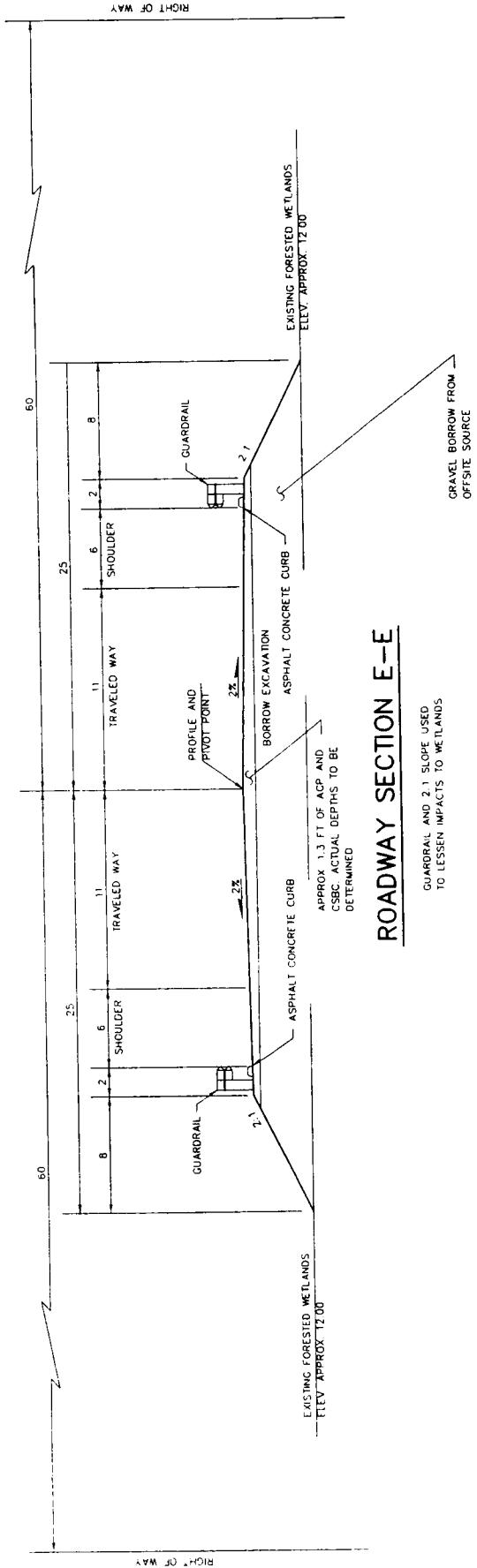
DATUM: NAVD88
ADJACENT PROPERTY OWNERS:
(see attached list on sheet 2)

ROAD CULVERT TYPICAL
Washington State Historical Society

1911 Pacific Avenue
Tacoma, Washington 98402

FIGURE 6

REFERENCE: 2003-0-05/0
APPLICANT: Washington State Historical Society
COUNTY: Pacific County, Washington
WATERBODY: Columbia River
NEAR: Chinook, Washington
DATE: 10/03



Note: Base map provided by WSDOT.

PURPOSE: Realign US Highway 101 (MP 1.85-2.30) and develop public park to commemorate the Lewis and Clark Station Camp site.

DATUM: NAVD88

ADJACENT PROPERTY OWNERS:

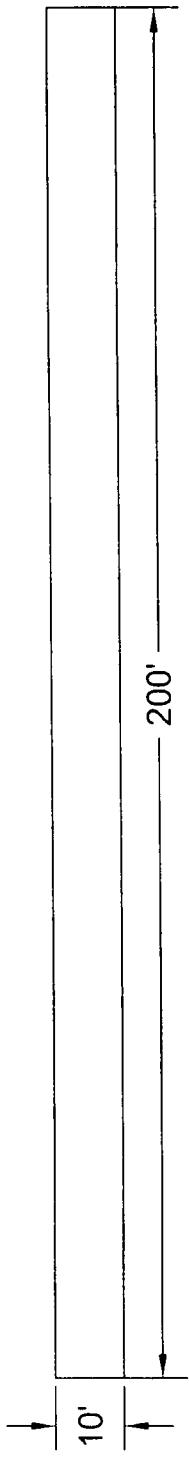
(see attached list on sheet 2)

ROAD CULVERT TYPICAL
Washington State Historical Society
1911 Pacific Avenue
Tacoma, Washington 98402

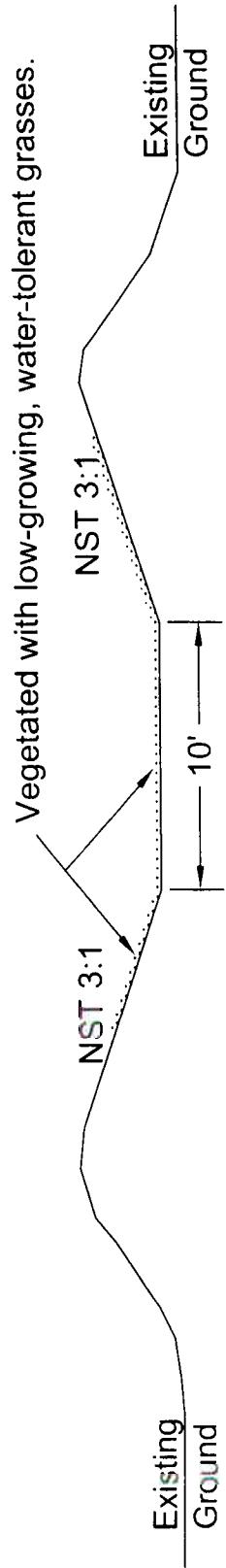
FIGURE 7

REFERENCE: 2003-0-0570
APPLICANT:Washington State Historical Society
COUNTY: Pacific County, Washington
WATERBODY: Columbia River
NEAR: Chinook, Washington
DATE: 10/03

BIOSWALE PLAN VIEW:



CROSS SECTION VIEW:



STA 468+30 (50' RT) to STA 470 +30 (50' RT)

NST = Not Steeper Than

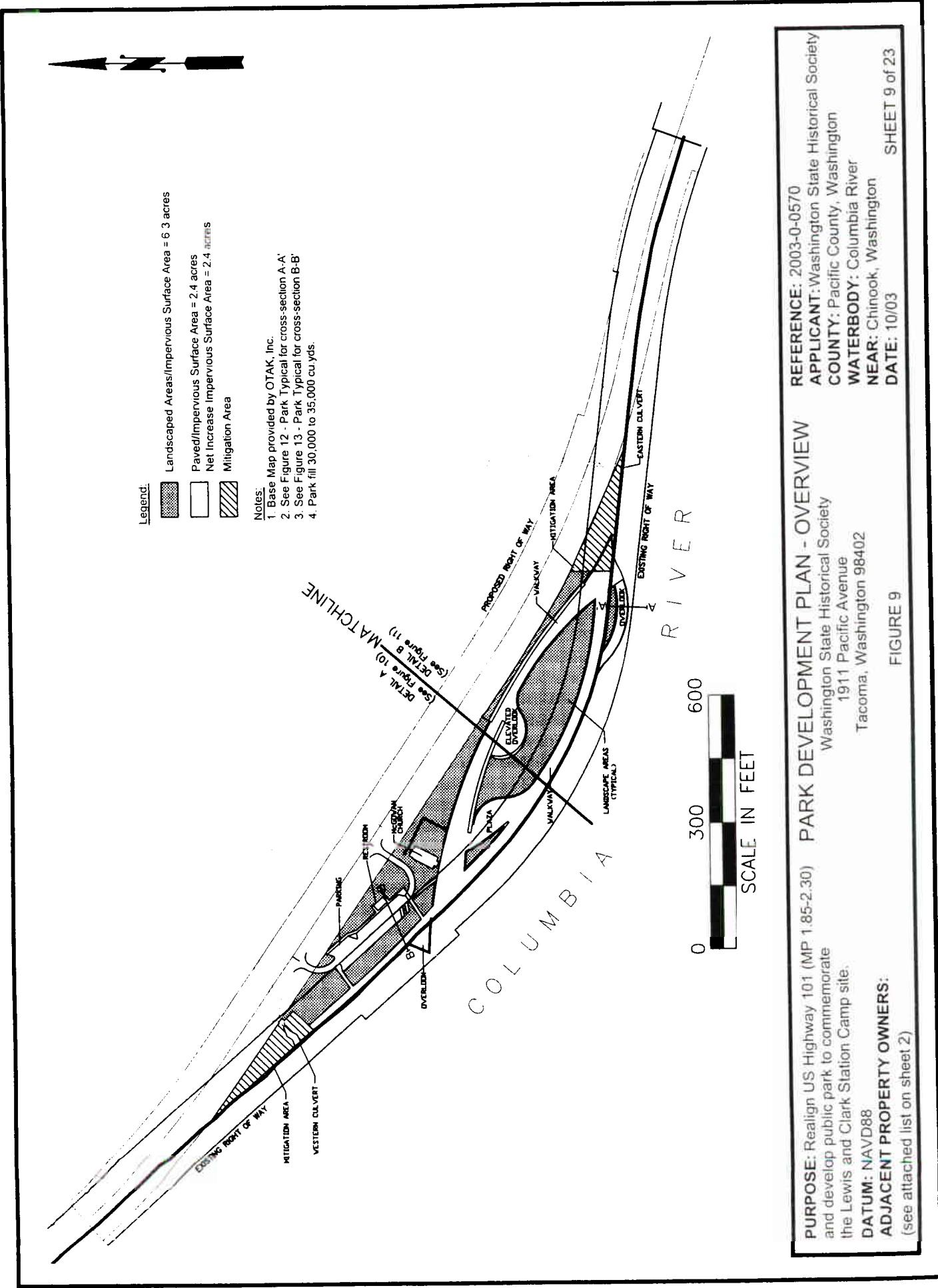
NOTE: Dimensions as shown.

PURPOSE: Realign US Highway 101 (MP 1.85-2.30) BIOFILTRATION SWALE TYPICAL
and develop public park to commemorate
the Lewis and Clark Station Camp site.
DATUM: NAVD88
ADJACENT PROPERTY OWNERS:
(see attached list on sheet 2)

REFERENCE: 2003-0-0570
APPLICANT: Washington State Historical Society
COUNTY: Pacific County, Washington
WATERBODY: Columbia River
NEAR: Chinook, Washington
DATE: 10/03

FIGURE 8

SHEET 8 of 23

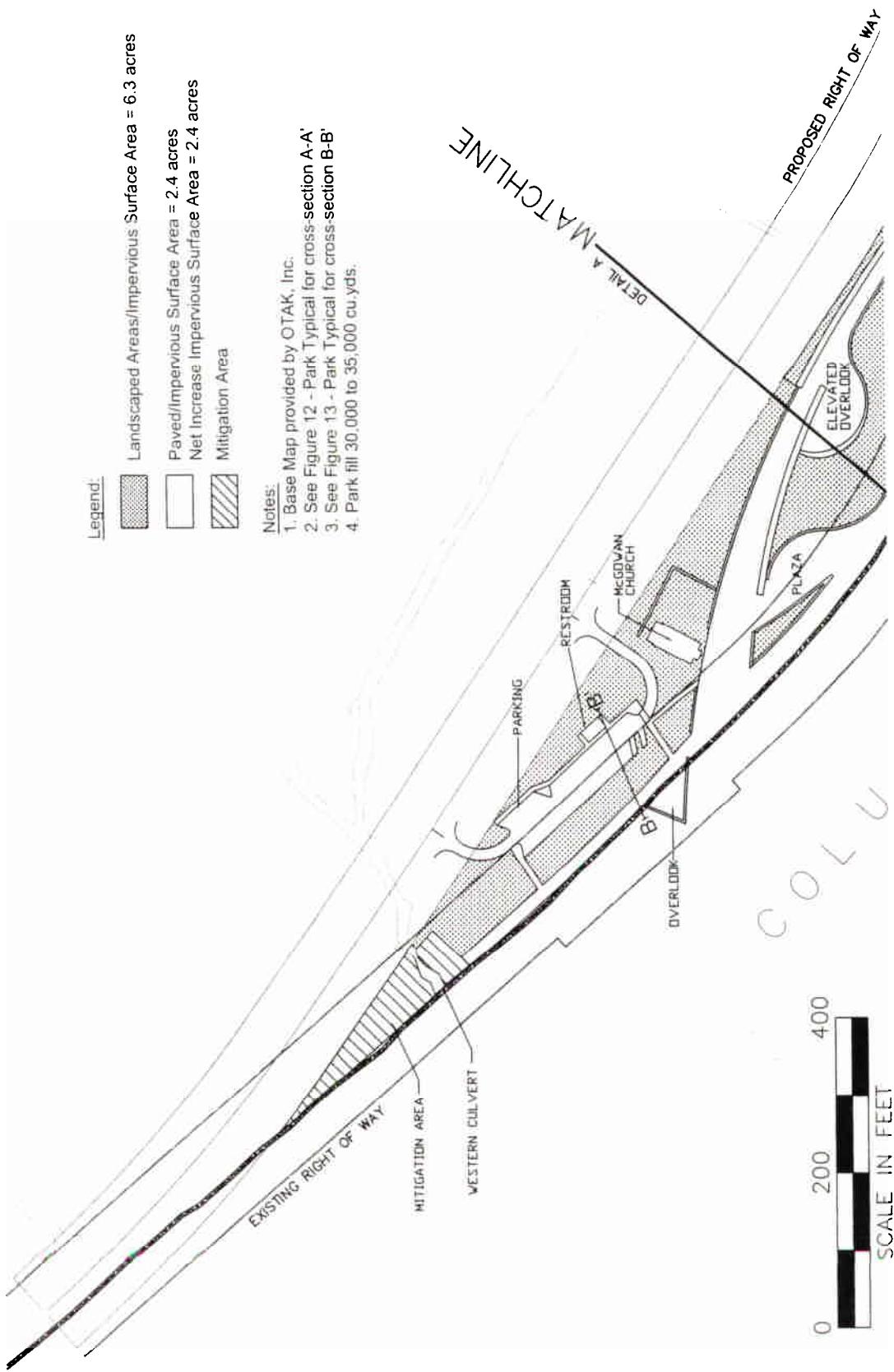


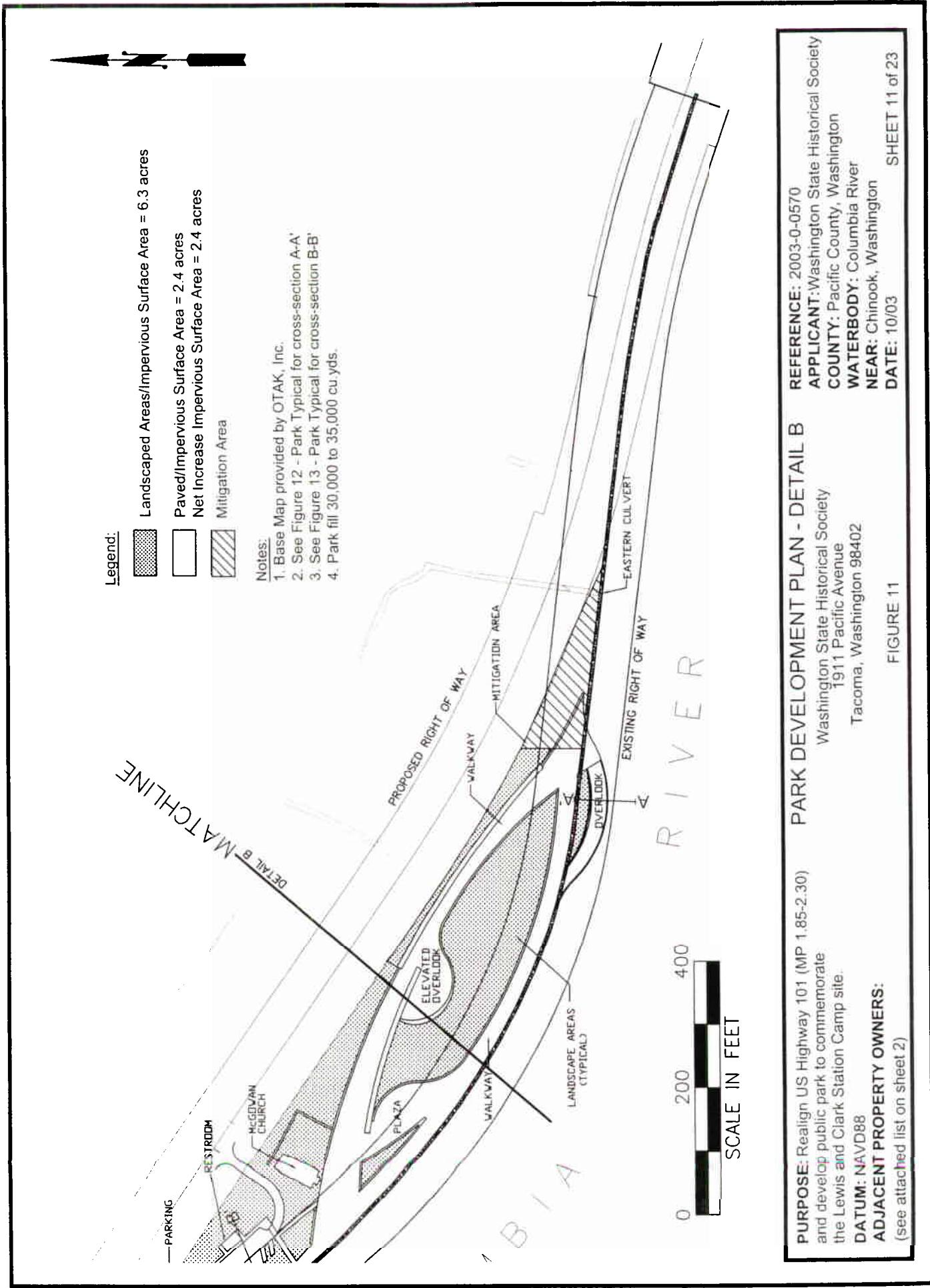
Legend:

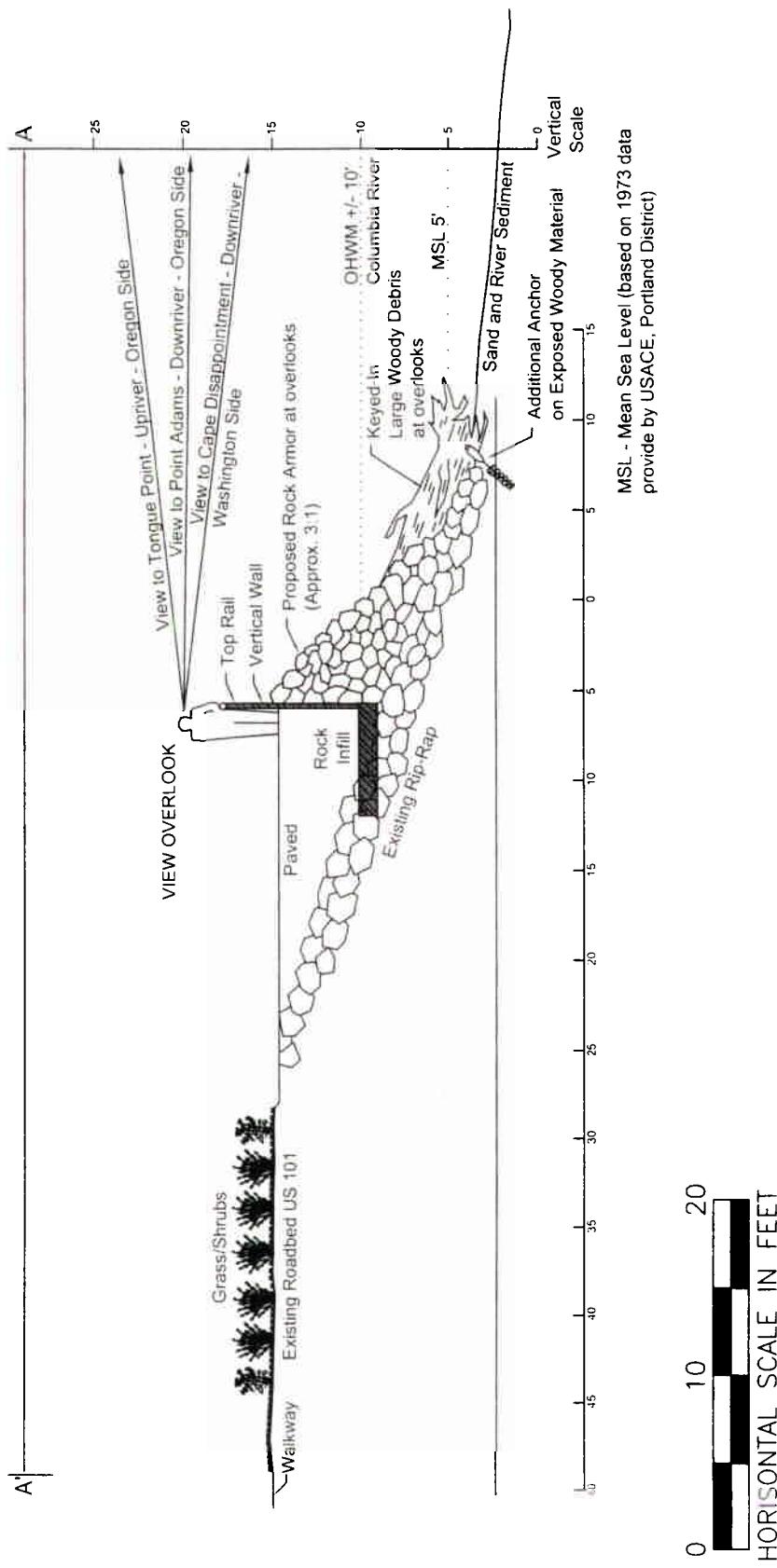
- Landscaped Areas/Impervious Surface Area = 6.3 acres
- Paved/Impervious Surface Area = 2.4 acres
- Net Increase Impervious Surface Area = 2.4 acres
- Mitigation Area

Notes:

1. Base Map provided by OTAK, Inc.
2. See Figure 12 - Park Typical for cross-section A-A'
3. See Figure 13 - Park Typical for cross-section B-B'
4. Park fill 30,000 to 35,000 cu yds.







PURPOSE: Realign US Highway 101 (MP 1.85-2.30)
and develop public park to commemorate
the Lewis and Clark Station Camp site.

DATUM: NAVD88

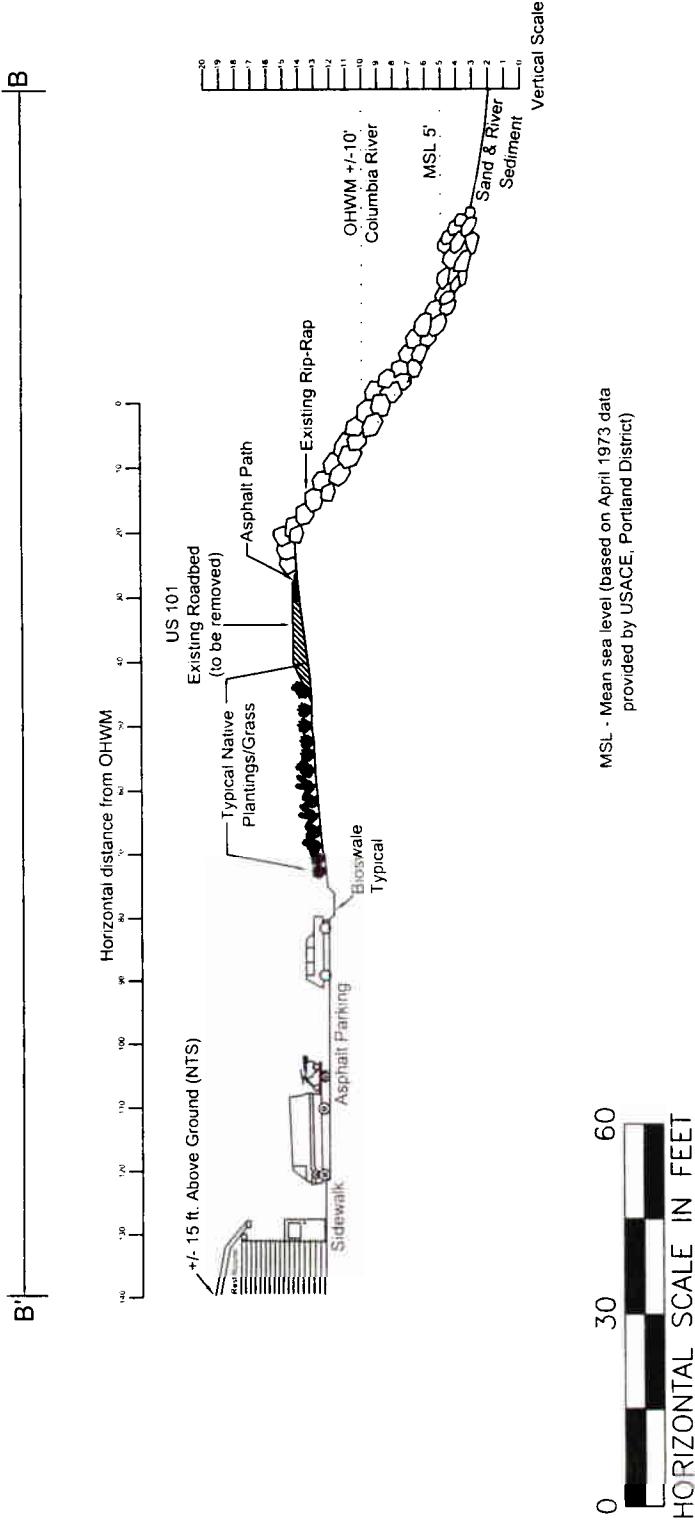
ADJACENT PROPERTY OWNERS:
(see attached list on sheet 2)

PARK TYPICAL A-A'
Washington State Historical Society
1911 Pacific Avenue
Tacoma, Washington 98402

REFERENCE: 2003-0-0570
APPLICANT: Washington State Historical Society
COUNTY: Pacific County, Washington
WATERBODY: Columbia River
NEAR: Chinook, Washington
DATE: 10/03

FIGURE 12

—Realigned US 101 Shoulder Begins at +/- 200'-feet from OHWM



PURPOSE: Realign US Highway 101 (MP 1.85-2.30)
and develop public park to commemorate
the Lewis and Clark Station Camp site.

DATUM: NAVD88

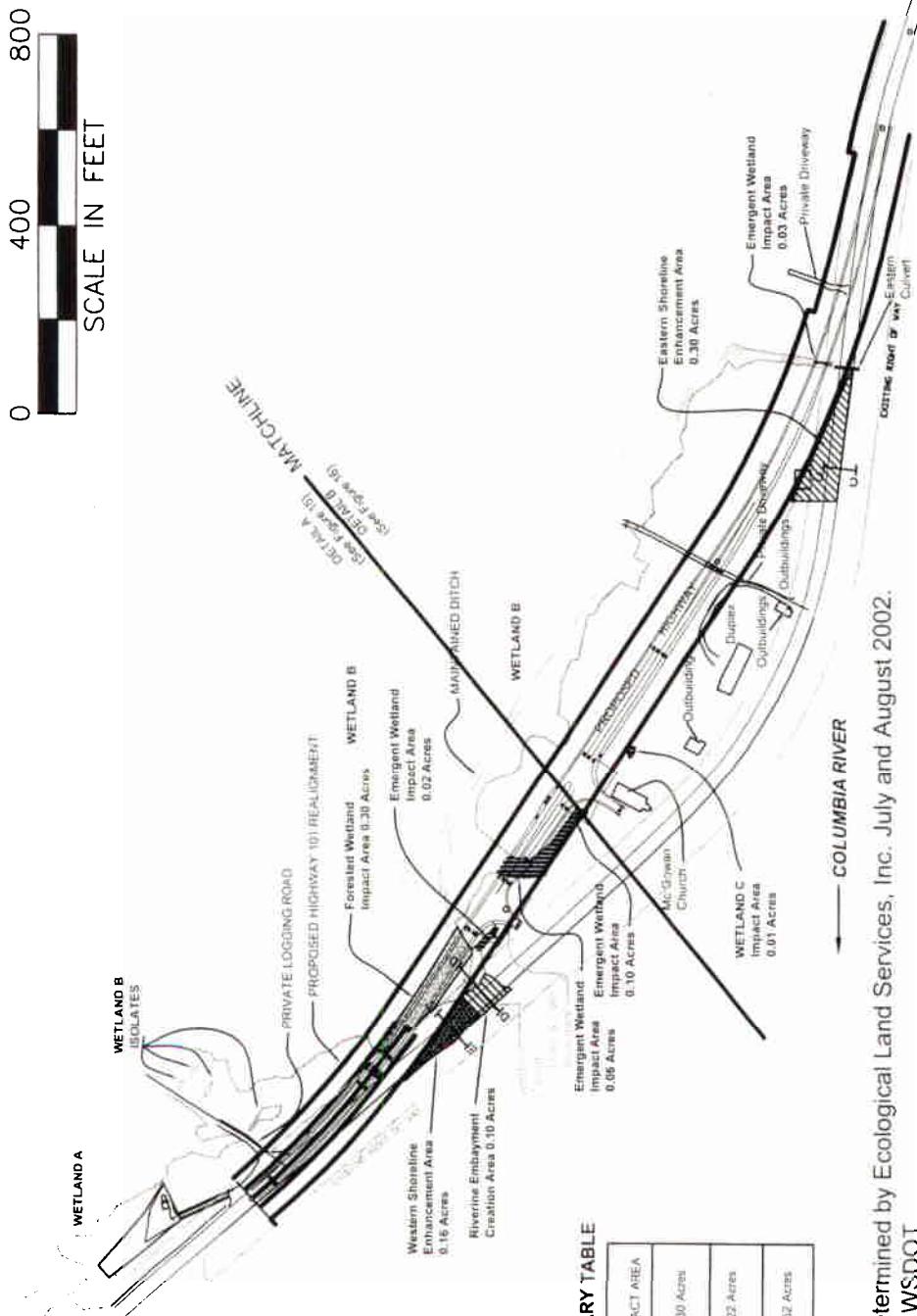
ADJACENT PROPERTY OWNERS:
(see attached list on sheet 2)

PARK TYPICAL B-B'
Washington State Historical Society
1911 Pacific Avenue
Tacoma, Washington 98402

FIGURE 13

REFERENCE: 2003-0-0570
APPLICANT: Washington State Historical Society
COUNTY: Pacific County, Washington
WATERBODY: Columbia River
NEAR: Chinook, Washington

DATE: 10/03
SHEET: 13 of 23



NOTES:

1. Wetland boundaries determined by Ecological Land Services, Inc. July and August 2002.
2. Base map provided by WSDOT.
3. Wetland Boundary survey provided by Bluhm and Associates.
4. Project will require approx. 3,000 cubic yards of fill in wetlands.

PURPOSE: Realign US Highway 101 (MP 1.85-2.30) and develop public park to commemorate the Lewis and Clark Station Camp site.

DATUM: NAD88

ADJACENT PROPERTY OWNERS:
(see attached list on sheet 2)

REFERENCE: 2003-0-0570
APPLICANT: Washington State Historical Society
COUNTY: Pacific County, Washington
WATERBODY: Columbia River
NEAR: Chinook, Washington
DATE: 10/03

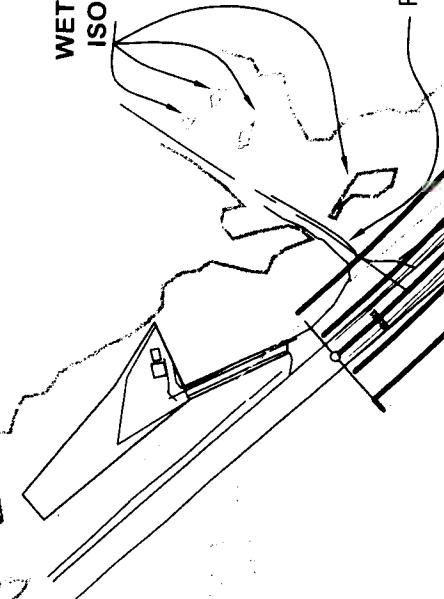
FIGURE 14

SHEET 14 of 23

NOTES:

1. Wetland boundaries determined by Ecological Land Services, Inc. July and August 2002.
2. Base map provided by WSDOT.
3. Wetland Boundary survey provided by Bluhm and Associates.
4. Project will require approx. 3,000 cubic yards of fill in wetlands.

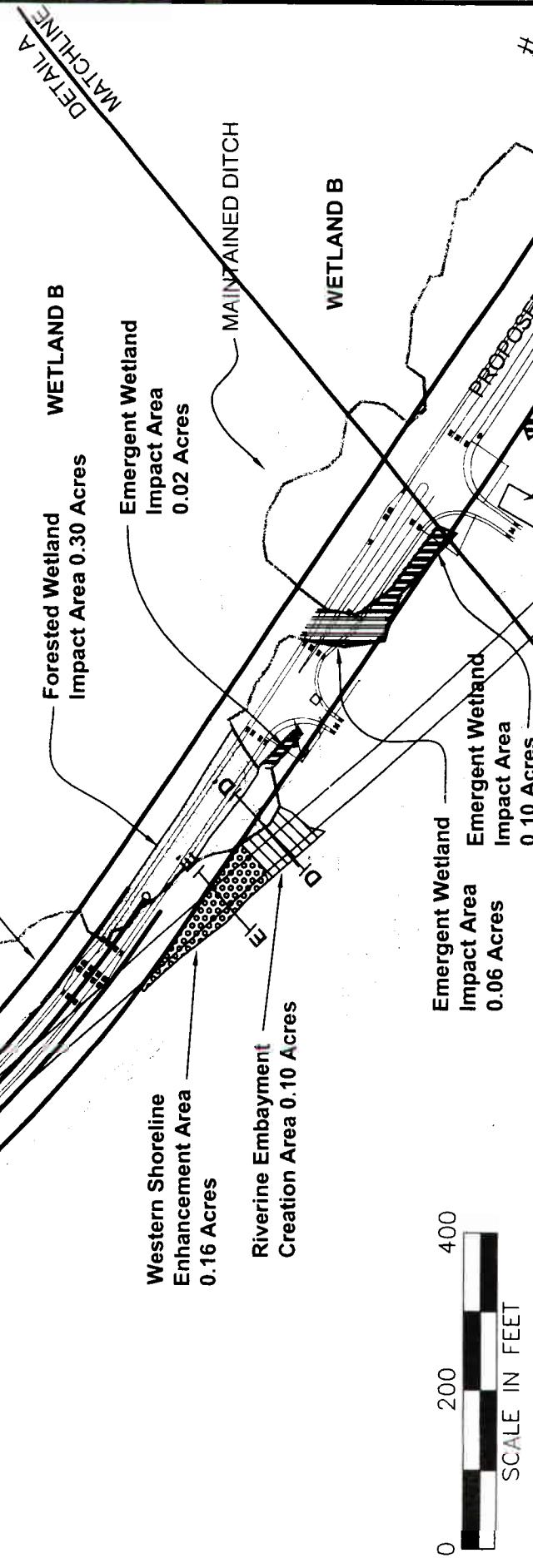
**WETLAND B
ISOLATES**



PROPOSED HIGHWAY 101 REALIGNMENT

WETLAND IMPACTS SUMMARY TABLE

CLASSIFICATION	IMPACT AREA
Forested Wetlands	0.30 Acres
Emergent Wetlands	0.22 Acres
TOTALS	0.52 Acres



PURPOSE: Realign US Highway 101 (MP 1.85-2.30) and develop public park to commemorate the Lewis and Clark Station Camp site.

DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
(see attached list on sheet 2)

REFERENCE: 2003-0-0570
APPLICANT: Washington State Historical Society
COUNTY: Pacific County, Washington
WATERBODY: Columbia River
NEAR: Chinook, Washington
DATE: 10/03

REFERENCE: 2003-0-0570
APPLICANT: Washington State Historical Society
COUNTY: Pacific County, Washington
WATERBODY: Columbia River
NEAR: Chinook, Washington
DATE: 10/03

FIGURE 15

Emergent Wetland
Impact Area
0.02 Acres

MAINTAINED DITCH
WETLAND B

WETLAND IMPACTS SUMMARY TABLE

CLASSIFICATION	IMPACT AREA
Forested Wetlands	0.10 Acres
Emergent Wetlands	0.22 Acres
TOTALS	0.35 Acres

NOTES:

1. Wetland boundaries determined by Ecological Land Services, Inc. July and August 2002.
2. Base map provided by WSDOT.
3. Wetland Boundary survey provided by Bluhm and Associates.
4. Project will require approx. 3,000 cubic yards of fill in wetlands.

nd
Emergent Wetland
Impact Area
.10 Acres

WETLAND C
Impact Area
0.01 Acres

PROPOSED
HIGWAY

Mc Gowan
Church

**Eastern Shoreline
Enhancement Area**
0.30 Acres

WETLAND C
Impact Area
0.01 Acres

Private Driveway
Duplex
Outbuildings
Outbuilding
EXISTING RIGHT OF WAY
Eastern Culvert

COLUMBIA RIVER

0 200 400
SCALE IN FEET

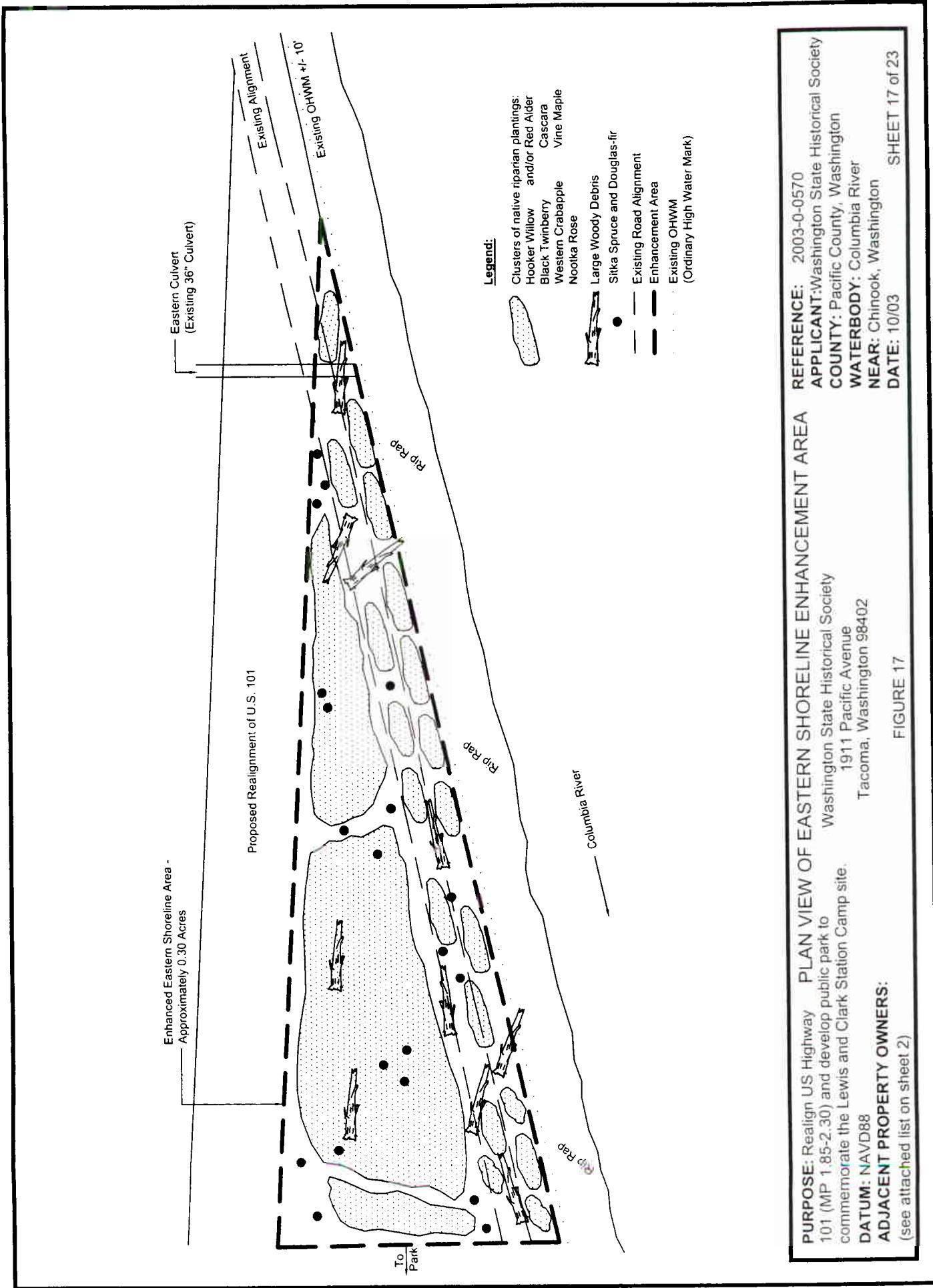
PURPOSE: Realign US Highway 101
(MP 1.85-.230) and develop public park to
commemorate the Lewis and Clark Station Camp site.
DATUM: NAVD88
ADJACENT PROPERTY OWNERS:
(see attached list on sheet 2)

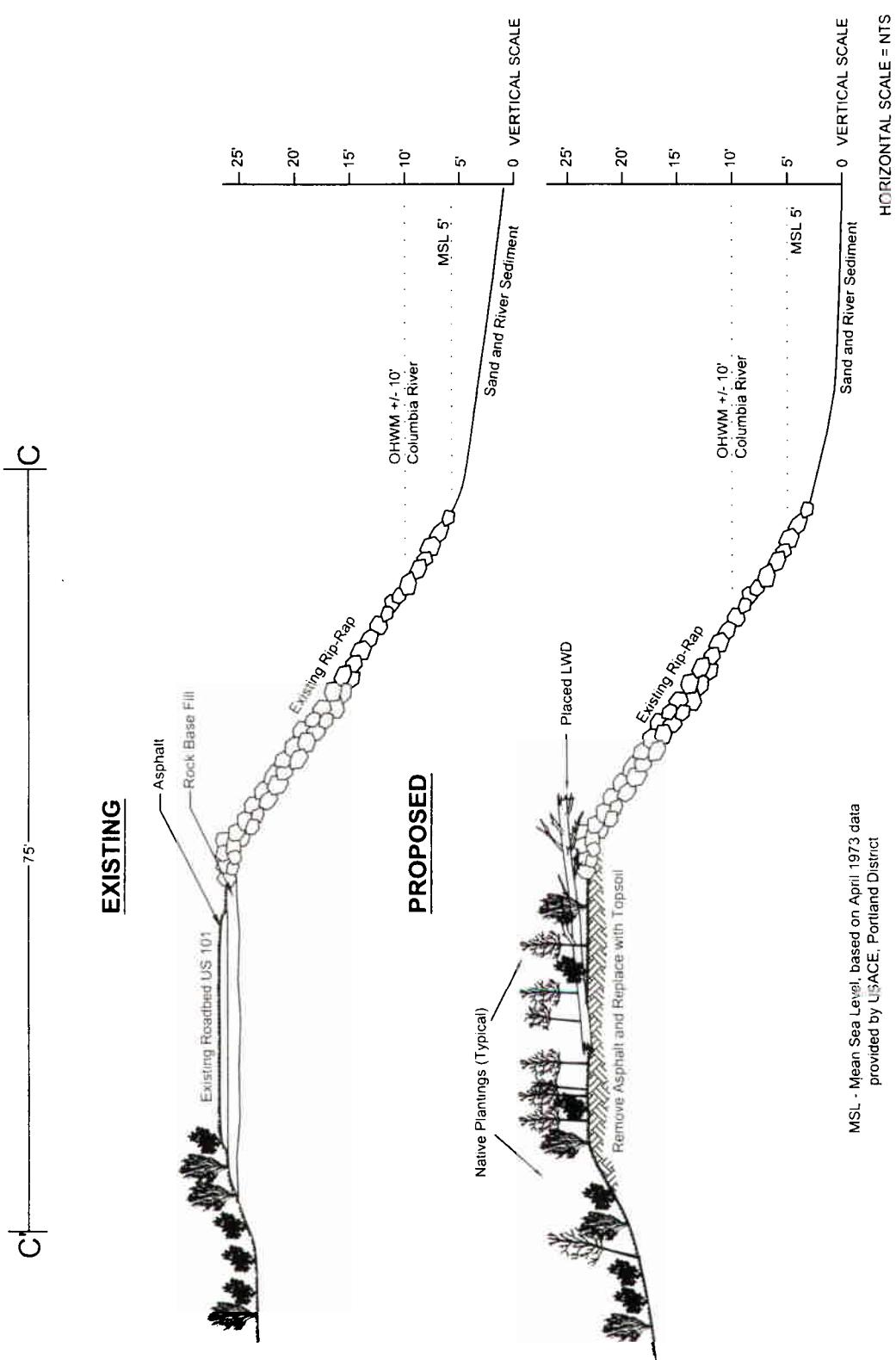
WETLAND IMPACTS AND MITIGATION - DETAIL B
Washington State Historical Society
1911 Pacific Avenue
Tacoma, Washington 98402

REFERENCE:
APPLICANT: Washington State Historical Society
COUNTY: Pacific County, Washington
WATERBODY: Columbia River
NEAR: Chinook, Washington
DATE: 10/03

FIGURE 16

SHEET 16 of 23

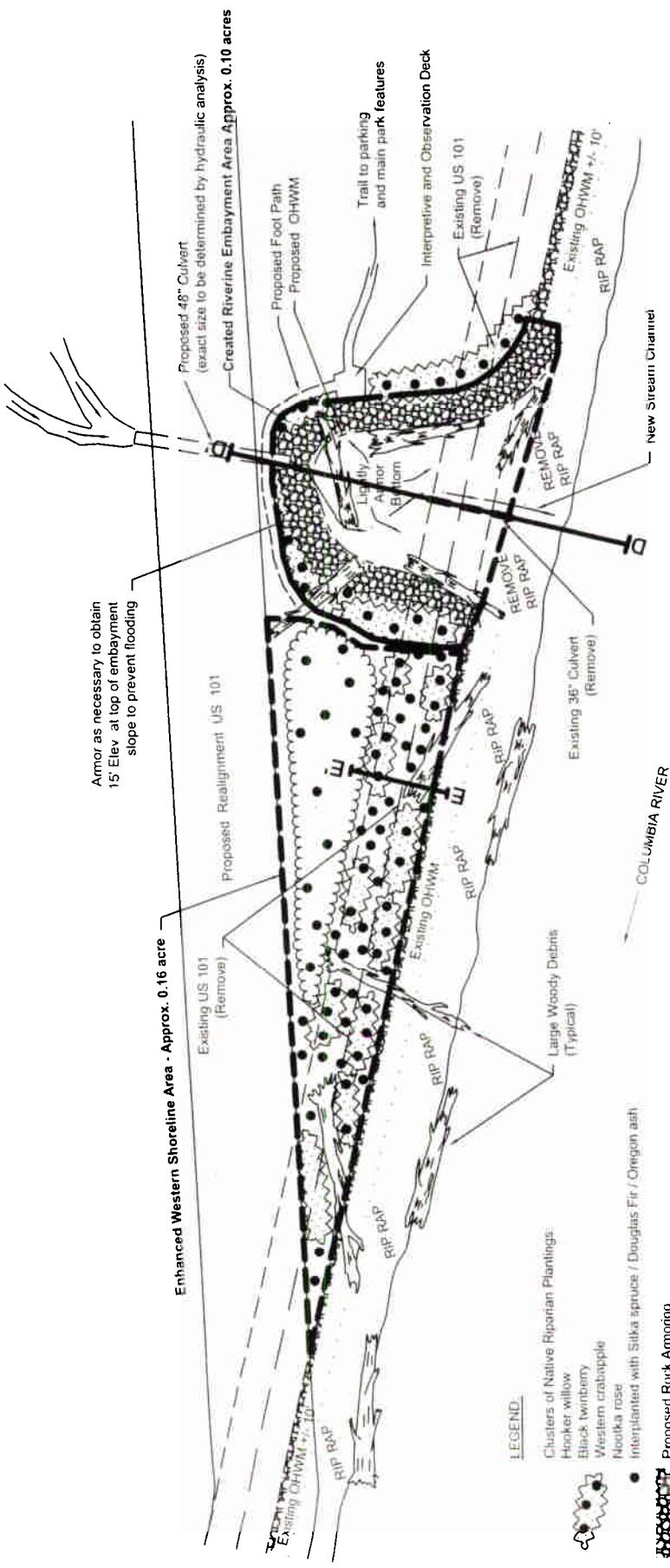




PURPOSE: Realign US Highway 101 (MP 1.85-2.30) and develop public park to commemorate the Lewis and Clark Station Camp site.	CROSS-SECTION OF EASTERN SHORELINE ENHANCEMENT AREA	REFERENCE: 2003-0-0570
DATUM: NAVD88	APPLICANT: Washington State Historical Society 1911 Pacific Avenue Tacoma, Washington 98402	COUNTY: Pacific County, Washington
ADJACENT PROPERTY OWNERS: (see attached list on sheet 2)	WATERBODY: Columbia River NEAR: Chinook, Washington	DATE: 10/03

FIGURE 18

SHEET 18 of 23



PURPOSE: Realign US Highway 101 (MP 1.85-2.30) and develop public park to commemorate the Lewis and Clark Station Camp site.

DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
(see attached list on Sheet 2)

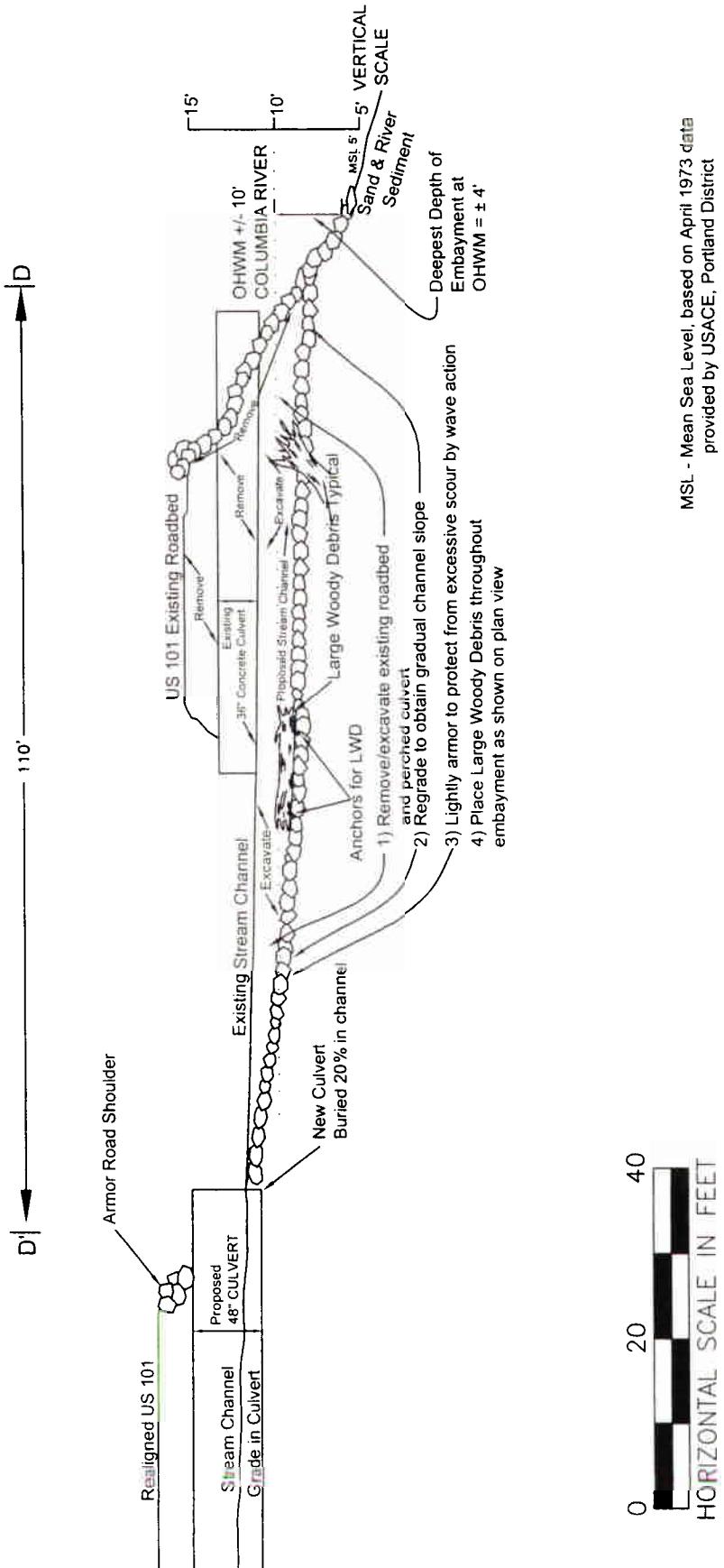
PLAN VIEW OF ENHANCED WESTERN SHORELINE ENHANCEMENT AREA

Washington State Historical Society
1911 Pacific Avenue
Tacoma, Washington 98402

REFERENCE: 2003-0-0570
APPLICANT: Washington State Historical Society
COUNTY: Pacific County, Washington
WATERBODY: Columbia River
NEAR: Chinook, Washington
DATE: 10/03

FIGURE 19

FIGURE 19



MSL - Mean Sea Level, based on April 1973 data
provided by USACE, Portland District

PURPOSE: Realign US Highway 101 (MP 1.85-2.30) and develop public park to commemorate the Lewis and Clark Station Camp site.

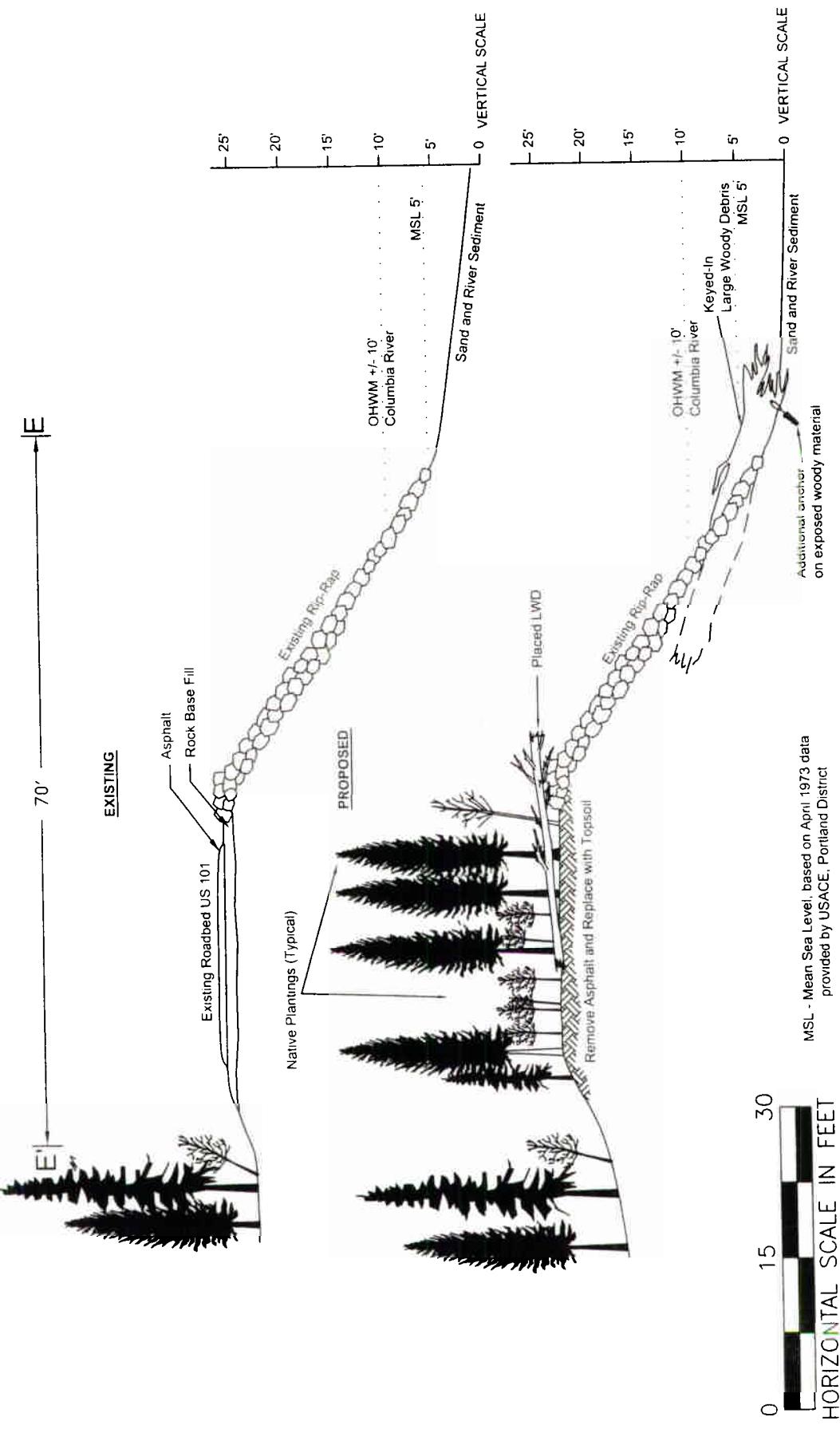
DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
(see attached list on sheet 2)

REFERENCE: 2003-0-0570
APPLICANT: Washington State Historical Society
COUNTY: Pacific County, Washington
WATERBODY: Columbia River
NEAR: Chinook, Washington
DATE: 10/03

FIGURE 20

SHEET 20 of 23



PURPOSE: Realign US Highway 101 (MP 1.85-2.30) and develop public park to commemorate the Lewis and Clark Station Camp site.

DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
(see attached list on sheet 2)

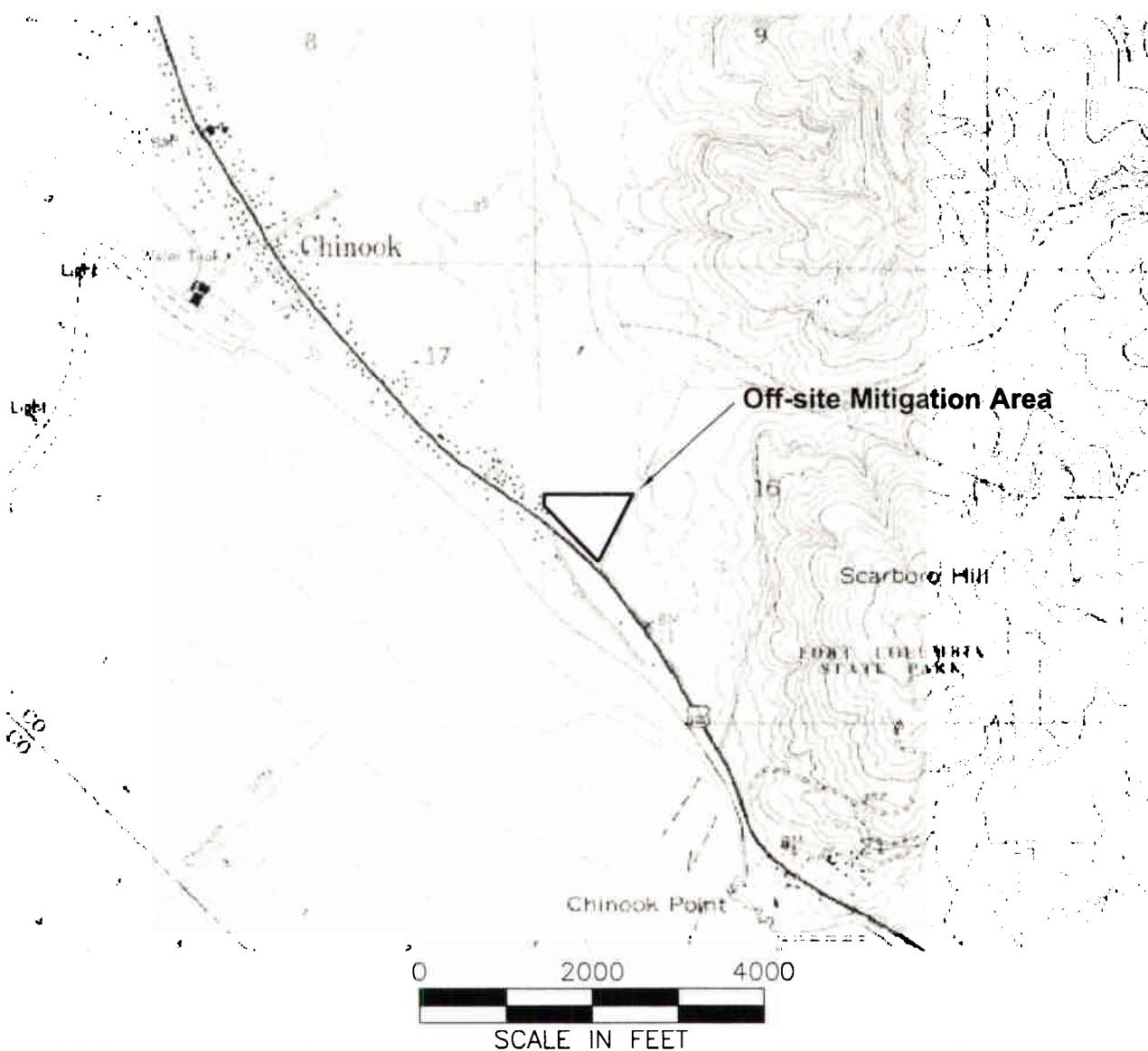
REFERENCE: 2003-0-0570
APPLICANT: Washington State Historical Society
COUNTY: Pacific County, Washington
WATERBODY: Columbia River
NEAR: Chinook, Washington
DATE: 10/03

SHEET 21 of 23

FIGURE 21

Notes:

1. The off-site mitigation area includes a mature Sitka spruce forest at the headwaters of the Chinook River and is susceptible to logging impacts. Logging would reduce edge habitat, reduce buffers from residential development to the west, and decrease water quality. Logging would also impact the upper reaches of a salmon-bearing stream and counter efforts in the lower watershed to restore natural tidal flow and fish passage at the mouth of the Chinook River. Additionally, logging the off-site mitigation area would remove 10 acres from local efforts at protecting and restoring a large area of the upper Chinook River watershed. Preserving the off-site mitigation area would assist local efforts for watershed restoration.
2. The off-site mitigation area is also susceptible to firewood cutting, which does not require a permit or regulatory review. Firewood cutting disrupts wildlife, destroys vegetation, and may impact water quality.



PURPOSE: Realign US HW 101 (MP 1.85-2.30) & develop public park to commemorate the Lewis and Clark Station Camp site.

DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
(see attached list on sheet 2)

**OFF-SITE MITIGATION AREA
WETLAND MITIGATION PLAN**
WA State Historical Society
1911 Pacific Avenue
Tacoma, Washington 98402

FIGURE 22

REFERENCE: 2003-0-0570

APPLICANT: WA State Historical Society

COUNTY: Pacific County, Washington

WATERBODY: Columbia River

NEAR: Chinook, Washington

DATE: 10/03

SHEET 22 of 23

SUMMARY OF WETLAND IMPACTS

The park development and highway realignment will impact 0.51 acres of Class/Category II forested and emergent wetland and < 0.01 acres Class/Category III emergent wetland. The impacted wetland areas will require approximately 3,000 cubic yards of fill. In addition, the realigned highway may impact about 0.75 acres of buffer of Wetland B. The buffer impacts are concentrated in areas that are previously disturbed. Only 0.10 acres of buffer impact areas are totally undisturbed.

	Location	Class	Impact Area (acres)
Highway Realignment	Wetland B	Forested	0.30
	Wetland B	Emergent	0.09
Park Development	Wetlands B & C	Emergent	0.13
Total			0.52

SUMMARY OF MITIGATION OPTIONS

Preferred Option – To compensate for wetland impacts, the preferred wetland mitigation relies on creation, enhancement, and preservation on-site and off-site in the upper Chinook River watershed. Specifically, 1) a 0.10-acre riverine embayment with a vegetated fringe will be created at the western outlet channel of Wetland B for a 1:1 ratio of compensatory mitigation, 2) 0.30 acres and 0.16 acres of shoreline will be enhanced at a 4:1 ratio at the eastern and western project areas, respectively, and 3) approximately 10 acres of high quality, Category II, forested wetlands will be preserved in the upper Chinook River watershed at a 33:1 ratio.

Method	Acres	Mitigation Ratio	Acres Credited	Location
Creation	0.10	1:1	0.10	Western outlet channel of Wetland B in western project area.
	0.16	4:1	0.04	Western project area.
	0.30	4:1	0.08	Eastern project area.
Preservation	10	33:1	0.30	Upper Chinook River watershed.
Total	10.56	20:1	0.52	

The project will also move a 0.5-mile section of well-traveled highway away from the Columbia River shoreline and construct designated stormwater treatment facilities where none currently exist. Moving approximately 1.5 acres of well-traveled, impervious road away from the shoreline will improve the aquatic habitat, water quality, and aesthetics of the Columbia River shoreline, and compensate for the impact to wetland buffers.

Alternative A – Approximately 16 acres of high quality, Category I/II coastal wetland will be preserved and 0.31 acres of forested wetland will be created in the immediate project vicinity.

Alternative B – Approximately 20 acres of wetland and valuable salmonid habitat will be preserved and/or enhanced in the upper Chinook River watershed to compensate for wetland impacts. No mitigation will occur in the immediate project vicinity.

Alternative C – The mitigation will combine elements of the preferred option and alternatives A and B to achieve appropriate replacement ratios.

PURPOSE: Realign US Highway 101 (MP 1.85-2.30) CONCEPTUAL
and develop public park to commemorate the Lewis and Clark Station Camp site.
DATUM: NAVD88
ADJACENT PROPERTY OWNERS:
(see attached list on sheet 2)

WA State Historical Society
1911 Pacific Avenue
Tacoma, Washington 98402
FIGURE 23

REFERENCE: 2003-0-0570
APPLICANT: WA State Historical Society
COUNTY: Pacific County, Washington
WATERBODY: Columbia River
NEAR: Chinook, Washington
DATE: 10/03
SHEET: 23 of 23



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

P.O. Box 47600 • Olympia, Washington 98504-7600
(360) 407-6000 • TDD Only (Hearing Impaired) (360) 407-6006

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Notice of Application for
Certification of Consistency with the
Washington Coastal Zone Management Program

Date: December 22, 2003

Notice is hereby given that a request has been filed with the Department of Ecology, pursuant to the requirements of Section 307C of the federal Coastal Zone Management Act of 1972 (16 U.S.C. 1451), to certify that the project described in the U.S. Army Corps of Engineers Public Notice No. 200300570 will comply with the Washington State Coastal Zone Management Program and that the project will be conducted in a manner consistent with that Program.

Any person desiring to present views on the project pertaining to the project's compliance or consistency with the Washington State Coastal Zone Management Program may do so by providing written comments within 30 days of the above publication date to:

Federal Permit Coordinator
Department of Ecology
SEA Program
Post Office Box 47600
Olympia, Washington 98504-7600