



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: Olivia Romano , Project Manager

Public Notice Date: March 23, 2004  
Expiration Date: April 23, 2004  
Reference: 200300284  
Name: Mason County Department of  
Public Works

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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 - Mason County Department of Public Works

Mr. Bruce Chamblin  
Post Office Box 1850  
Shelton, Washington 98584  
Telephone: (360) 427-9670

### AGENT - Herrera Environmental Consultants, Inc.

Ms. Kris Lepine  
2200 Sixth Ave., Suite 1100  
Seattle, Washington 98121  
Telephone: (206) 441-9080

LOCATION - In wetlands and tidally influenced unnamed tributaries to Case Inlet, near Grapeview, in Mason County, Washington.

WORK - Fill wetlands and replace culverts to widen and realign 3.27 miles of Grapeview Loop Road from Lombard Road north to Nelson Road. The work consists of the placement of up to 1532 cubic yards of fill material in 0.44 acres of palustrine emergent, scrub-shrub and forested wetlands and the replacement of three culverts. Culvert replacement at unnamed stream #1 includes placement of 310 cubic yards of material below the mean higher high water (MHHW) line to realign the stream channel to accommodate the new culvert and the streambed gravel placement. Culvert replacement at unnamed streams #2 and #3 includes placement of 760 cubic yards of material below the mean higher high water (MHHW) line to accommodate the new culverts and the streambed gravel placement.

PURPOSE - To improve and upgrade a segment of Grapeview Loop Road to meet current design and safety standards.

MITIGATION - The applicant proposes to mitigate for the loss of 0.44 acres of wetlands by creation of 1.17 acres of wetlands, the enhancement of 0.48 acres of existing wetlands and the enhancement of 2.0 acres of upland buffer at a site located west of Grapeview Loop Road, south of Oakdale Road and north of the unnamed stream 2, near the community of Fair Harbor. The mitigation plan, titled "*Wetland Mitigation Plan Grapeview Loop Road Improvements, Grapeview, WA.*" dated March 2004 is available for review upon

request. The applicant proposes in-stream and riparian restoration at the culvert replacement sites. In-stream and riparian restoration will include revegetation of exposed sides slopes and banks with native plants, the placement of clean gravel and large woody debris (LWD) in the stream channels in accordance with the *Integrated Streambank Protection Guidelines* (WDFW 2000a).

ENDANGERED SPECIES - The Endangered Species Act (ESA) of 1973, as amended, requires assessment of potential impacts to listed and proposed species. The bald eagle (*Haliaeetus leucocephalus*) listed threatened; marbled murrelet (*Brachyramphus marmoratus*) listed threatened; Puget Sound Chinook (*Oncorhynchus tshawytscha*) listed threatened and Coastal/Puget Sound bull trout (*Salvelinus confluentus*) listed threatened in the state of Washington, may occur in the proposed project area. After receipt of comments from this public notice, the U.S. Army Corps of Engineers (Corps) will evaluate the potential impacts to the bald eagle, marbled murrelet, chinook salmon and bull trout.

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 occurs in the project area. The proposed action would impact approximately 2,911 square feet of EFH for these species. If the Corps determines that the proposed action may adversely affect EFH for federally managed fisheries in Washington waters, the Corps will initiate EFH consultation with the NMFS. The Corps' final determination relative to project impacts and the need for mitigation measures is subject to review by, and coordination with the NMFS.

CULTURAL RESOURCES - The District Engineer has reviewed the latest published version of the National Register of Historic Places, lists of properties determined eligible and other sources of information. The following is current knowledge of the presence or absence of historic properties and the effects of the undertaking upon these properties: The historic properties investigation has been conducted within the permit area. One site was identified within the permit area and may qualify for listing on the National Register of Historic Places. The District Engineer invites responses to this public notice from Federal, Native American Nations or tribal governments, State, and local agencies, historical and archeological societies, and other parties likely to have knowledge of or concerns with historic properties in the area.

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, Native American Nations or tribal governments, State, and local agencies and officials; 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.

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).

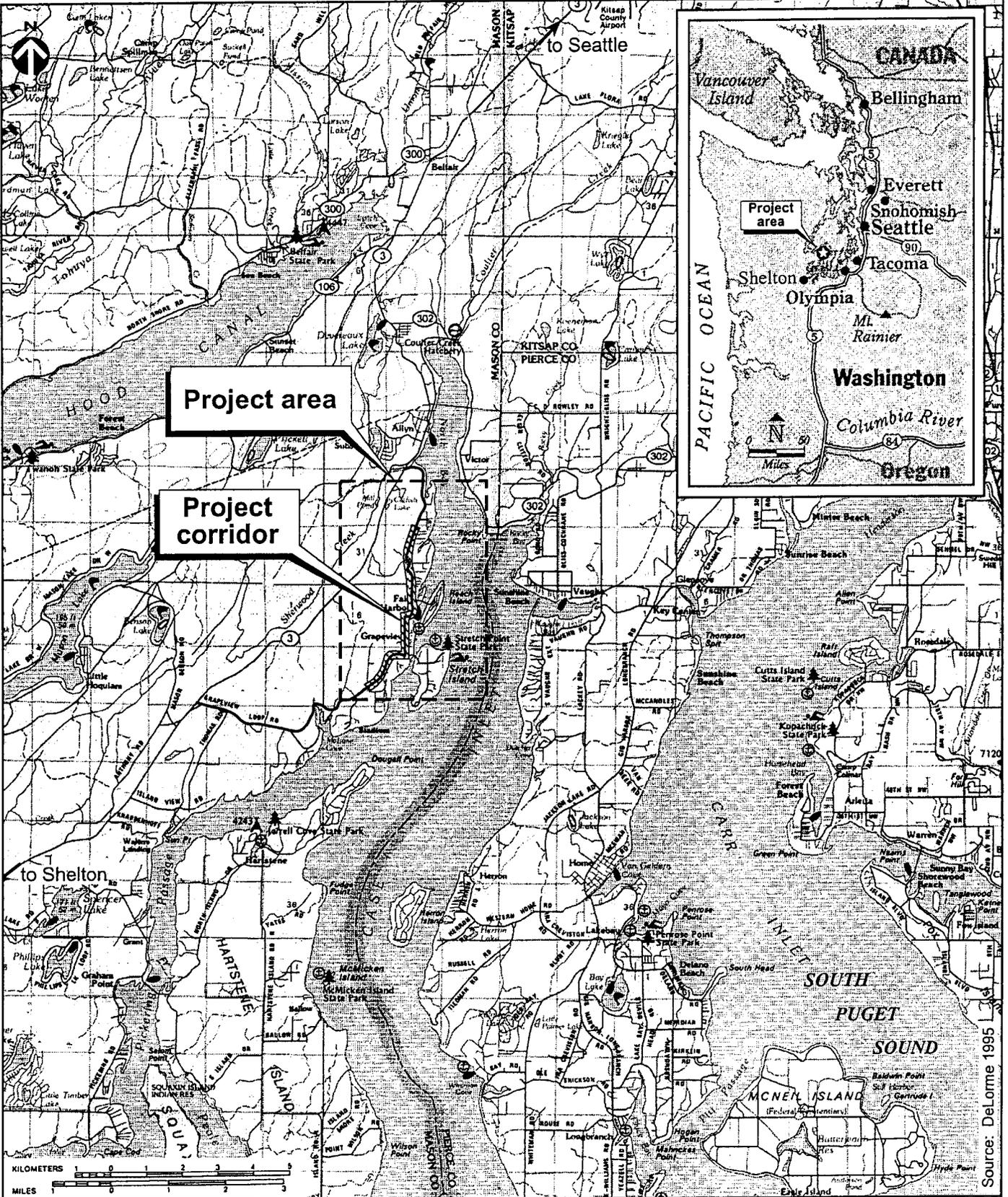
This proposal is the subject of Shorelines Substantial Development Permit is being processed by Mason County Planning Department

COMMENT AND REVIEW PERIOD – Conventional mail or e-mail comments on this public notice will be accepted and made part of the record and will be considered in determining whether it would be in the public interest to authorize this proposal. In order to be accepted, e-mail comments must originate from the author's e-mail account and must include on the subject line of the e-mail message the permit applicant's name and reference number as shown below. All e-mail comments should be sent to *Olivia.H.Romano@usace.army.mil*. Conventional mail comments should be sent ATTN: Regulatory Branch. Both conventional mail or e-mail comments must include the permit applicant's name and reference number, as shown below, and the commentor's name, address, and phone number. All comments whether conventional mail or e-mail must reach this office, no later than the expiration date of this public notice to ensure consideration. Please include the following name and reference number:

Mason County Department of Public Works, 200300284

Encl  
Drawings (27)

09-13-01.rdb/HEC/1631-262/JARPA



Source: Delorme 1995

Prepared by:



2200-6th Avenue-Suite 601  
 Seattle, WA 98121-1820  
 (206) 441-9080  
 (206) 441-9108 (Fax)

Date: September 13, 2001

PROJECT VICINITY MAP

Application for:  
 GRAPEVIEW LOOP ROAD  
 IMPROVEMENT PROJECT  
 200300284

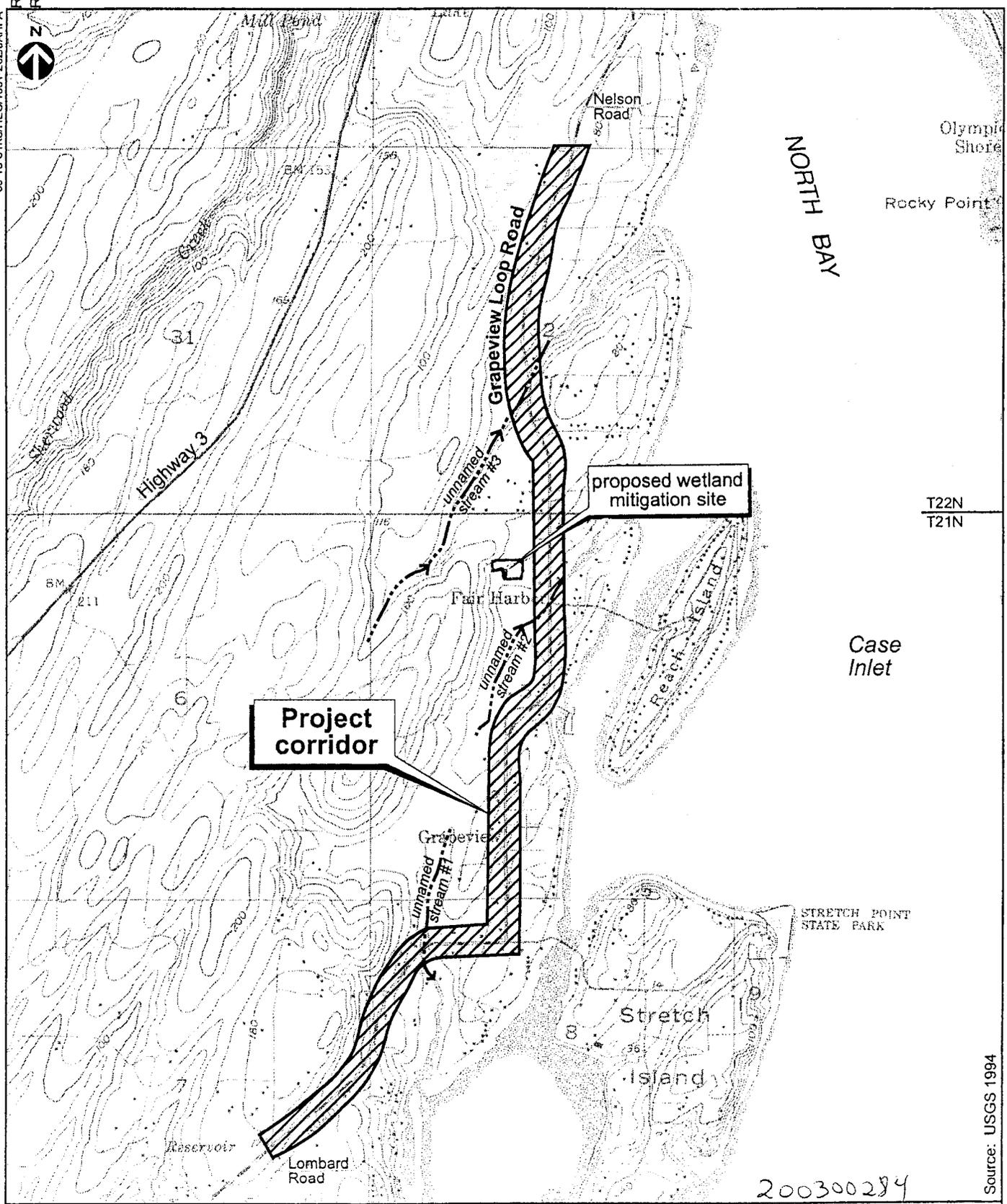
Revised  
 3/5/04

Applicant:  
 MASON COUNTY  
 WASHINGTON

SCALE SEE FIGURE

SHEET 1 of 27

09-13-01rb/HEC/1631-262/JARPA  
R2W  
R1W



NORTH BAY

Olympic Shore

Rocky Point

T22N  
T21N

Case Inlet

STRETCH POINT STATE PARK

Source: USGS 1994

200300284

Prepared by:



2200-6th Avenue-Suite 601  
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(206) 441-9080  
(206) 441-9108 (Fax)

http://www.herrerainc.com

Date: September 13, 2001

PROJECT TOPOGRAPHY MAP

Application for:  
GRAPEVIEW LOOP ROAD  
IMPROVEMENT PROJECT

200300284

Revised  
3/5/04

Applicant:  
MASON COUNTY  
WASHINGTON

SCALE 1" = 2000'

SHEET 1A of 27

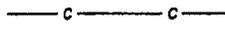


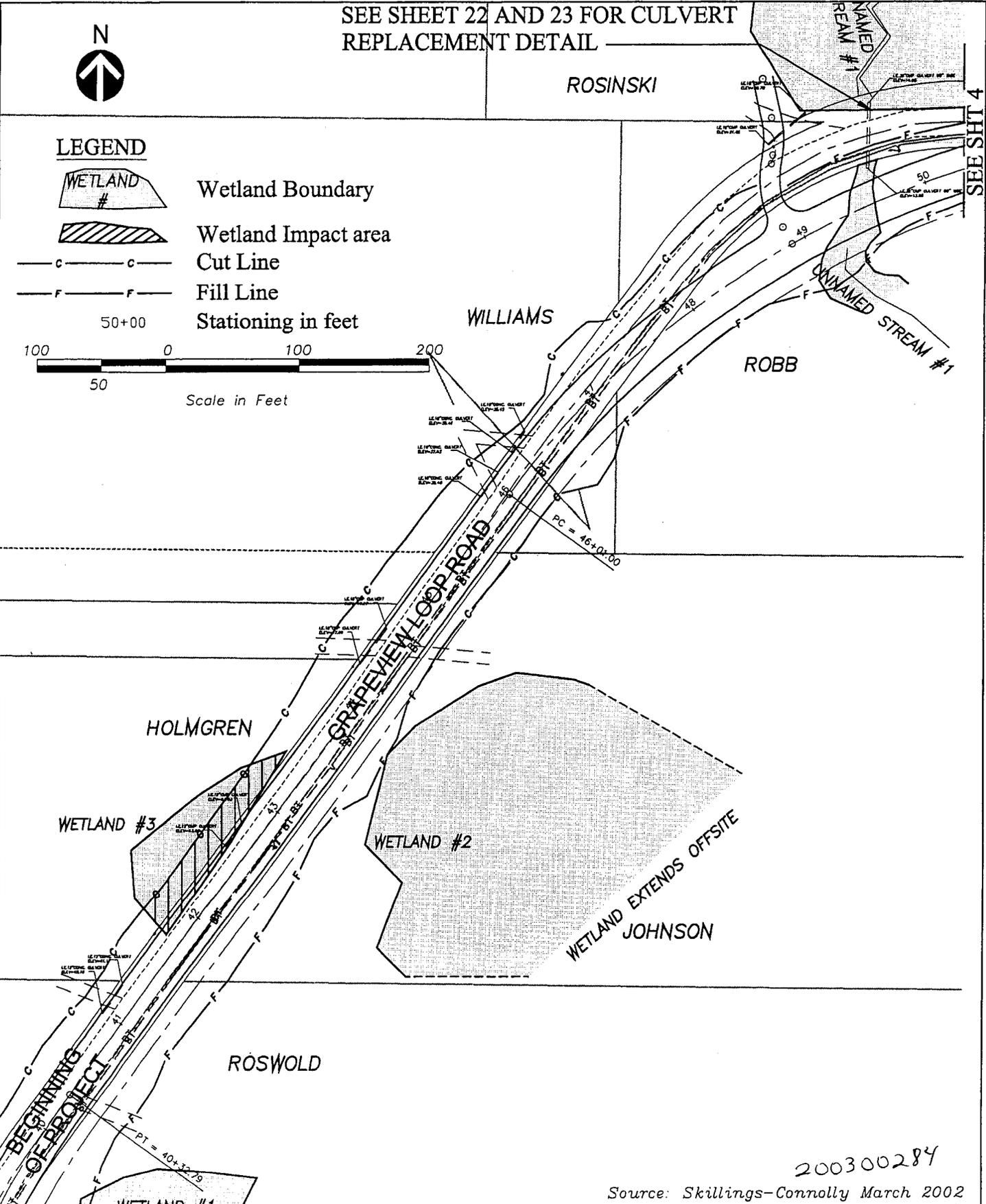
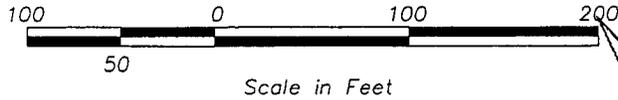


SEE SHEET 22 AND 23 FOR CULVERT REPLACEMENT DETAIL

ROSINSKI

**LEGEND**

-  Wetland Boundary
-  Wetland Impact area
-  Cut Line
-  Fill Line
- 50+00 Stationing in feet



SEE SHT 4

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C:\Location: O:\Proj\00-01631-000\Cad\Draws

200300284

Source: Skillings-Connolly March 2002

Prepared by:



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ENVIRONMENTAL CONSULTANTS  
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Date: Mar 2003

**PROJECT LOCATION MAP**

Application for:

Revised  
3/5/04

GRAPEVIEW LOOP ROAD  
IMPROVEMENT PROJECT

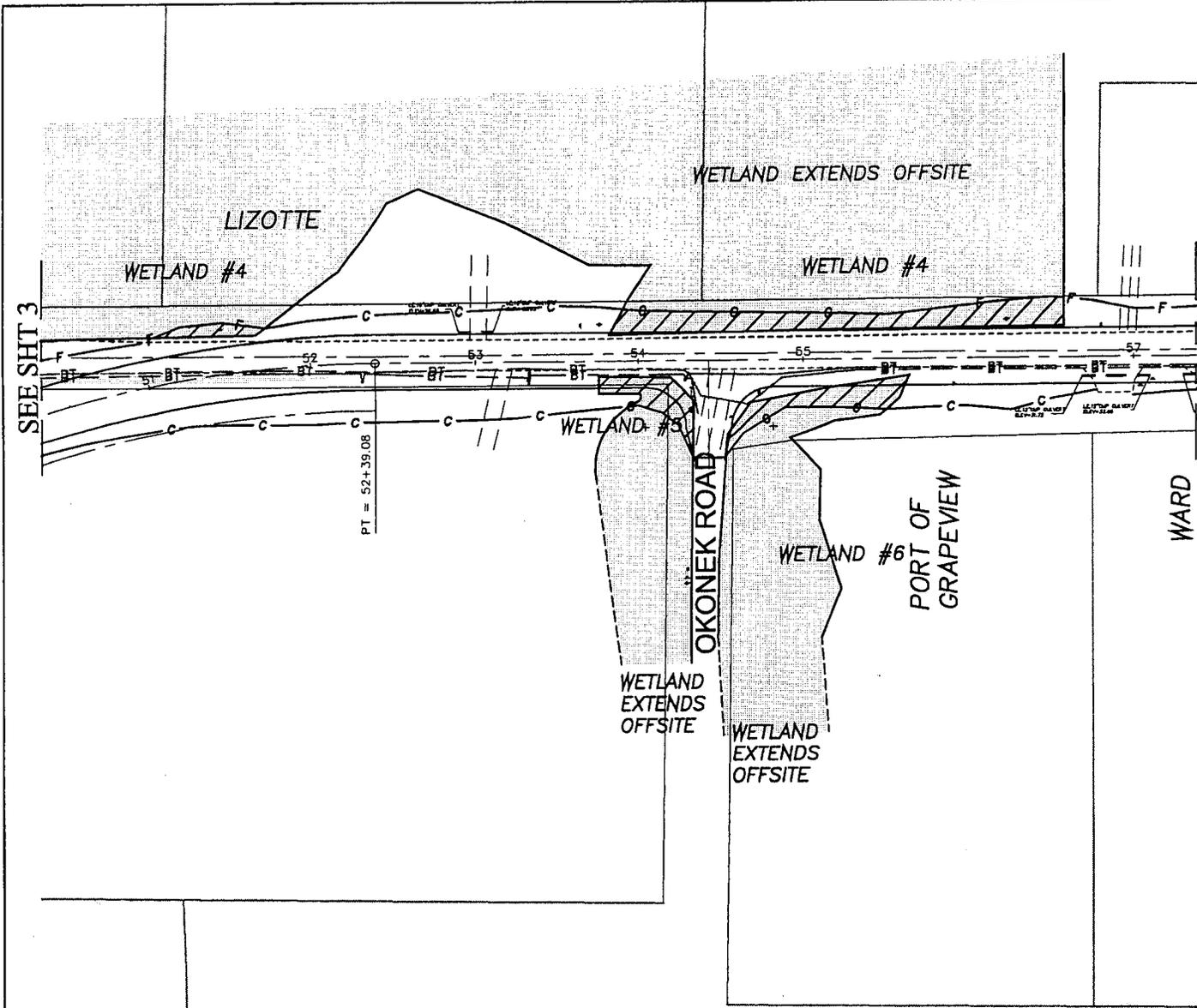
200300284

Applicant:

MASON COUNTY  
WASHINGTON

SCALE: 1" = 100'

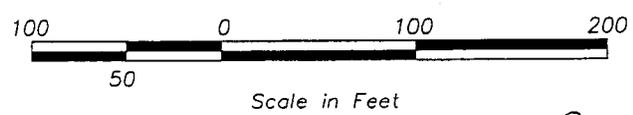
SHEET 3 of 27



SEE SHT 5

**LEGEND**

- Wetland Boundary
- Wetland Impact area
- Cut Line
- Fill Line
- 50+00 Stationing in feet



Source: Skillings-Connolly March 2002

200300284

Prepared by:



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Date: MAR 2003

PROJECT LOCATION MAP

Application for:

GRAPEVIEW LOOP ROAD  
IMPROVEMENT PROJECT

200300284

Revised  
3/5/04

Applicant:

MASON COUNTY  
WASHINGTON

SCALE: 1"=100'

SHEET 4 of 27

EC Dwg File: 0163100-52.dwg Layout: Jorpo Last Edited: 2003/Mar/11 08:55  
 EC Location: O:\Proj\00-01631-000\Cad\Draws



SEE SHT 4

FIRE DIST 3

CLARK

SEE SHT 6

GRAPEVIEW LOOP ROAD

STRETCH ISLAND ROAD

FIRE STATION

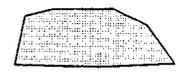
TEXACO  
MINI-MART

HANSON

ESTER

PRICE & ANDRUS

**LEGEND**



Wetland Boundary



Wetland Impact area



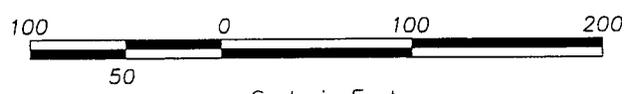
Cut Line



Fill Line

50+00

Stationing in feet



= 62+97.76

= 64+29.19

PC = 102+96.57

PT = 103+62.10

PC = 105+44.36

PT = 106+15.85

Source: Skillings-Connolly March 2002

200300284

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Date: MAR 2003

**PROJECT LOCATION MAP**

Application for:

Revised  
3/5/04

GRAPEVIEW LOOP ROAD  
IMPROVEMENT PROJECT

Applicant:

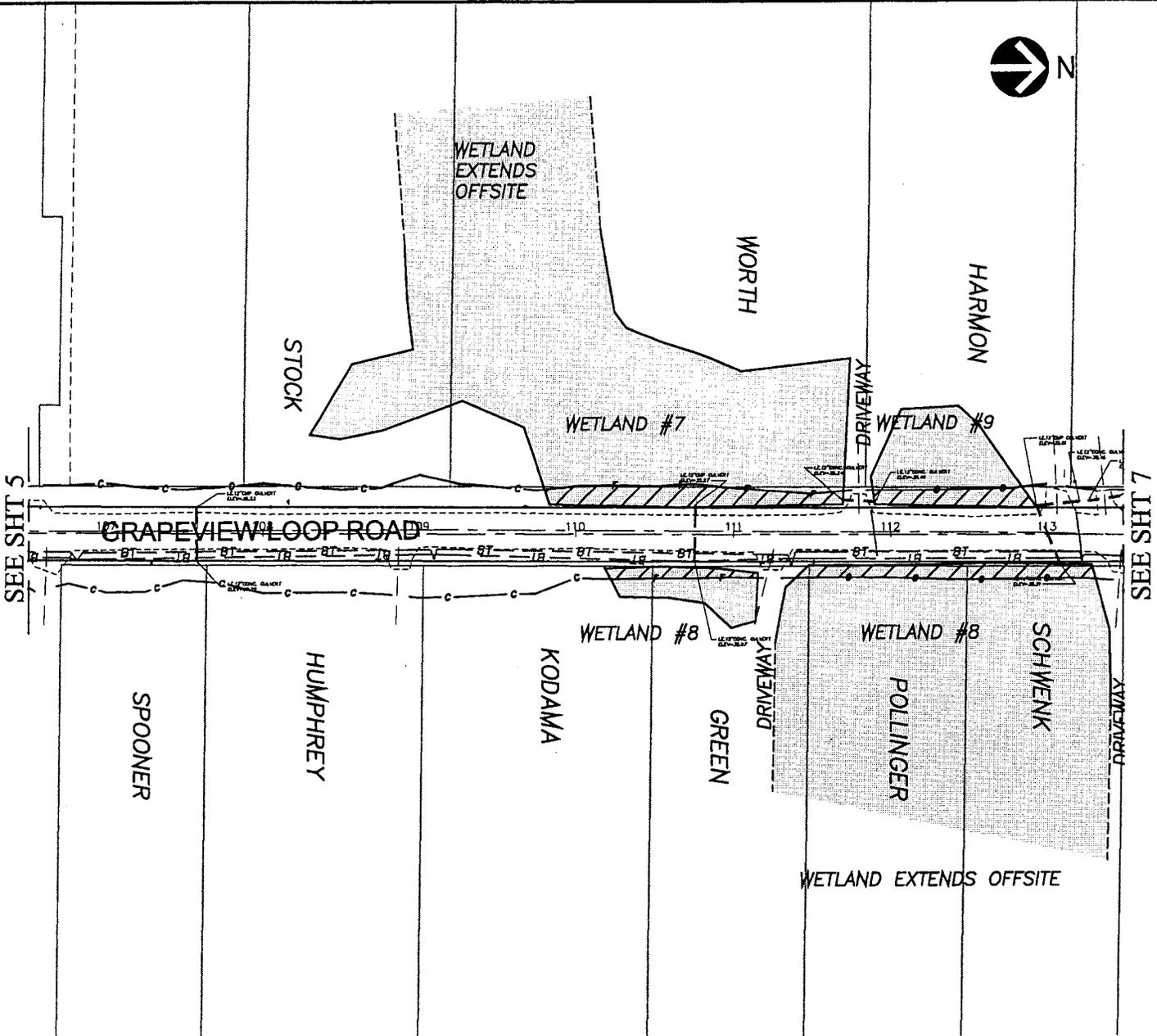
MASON COUNTY  
WASHINGTON

SCALE: 1" = 100'

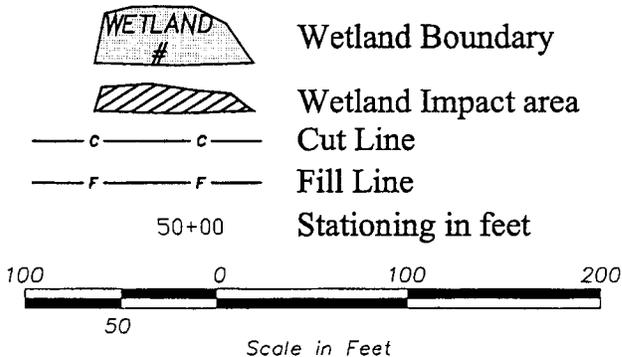
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200300284



**LEGEND**



Source: Skillings-Connolly March 2002

200300284

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 CONSULTANTS  
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**PROJECT LOCATION MAP**

Application for:

Revised  
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GRAPEVIEW LOOP ROAD  
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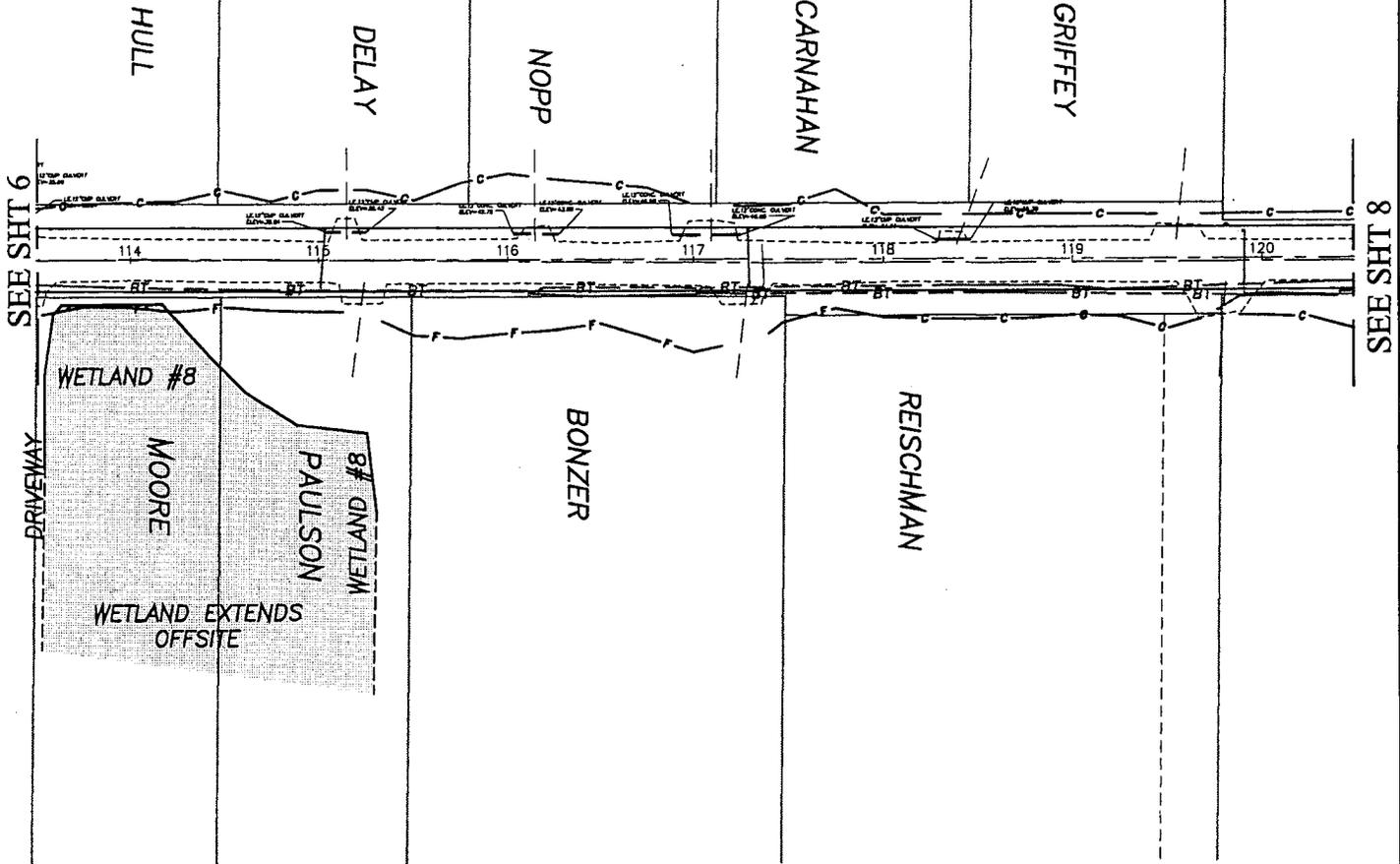
200300284

Applicant:  
 MASON COUNTY  
 WASHINGTON

SCALE: 1"=100'

SHEET 6 of 27

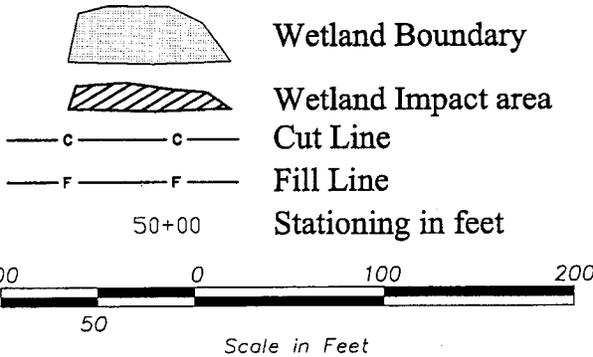
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SEE SHT 6

SEE SHT 8

**LEGEND**



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Source: Skillings-Connolly March 2002

200300284

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Date: MAR 2003

**PROJECT LOCATION MAP**

Application for:

Revised  
3/5/04

GRAPEVIEW LOOP ROAD  
IMPROVEMENT PROJECT

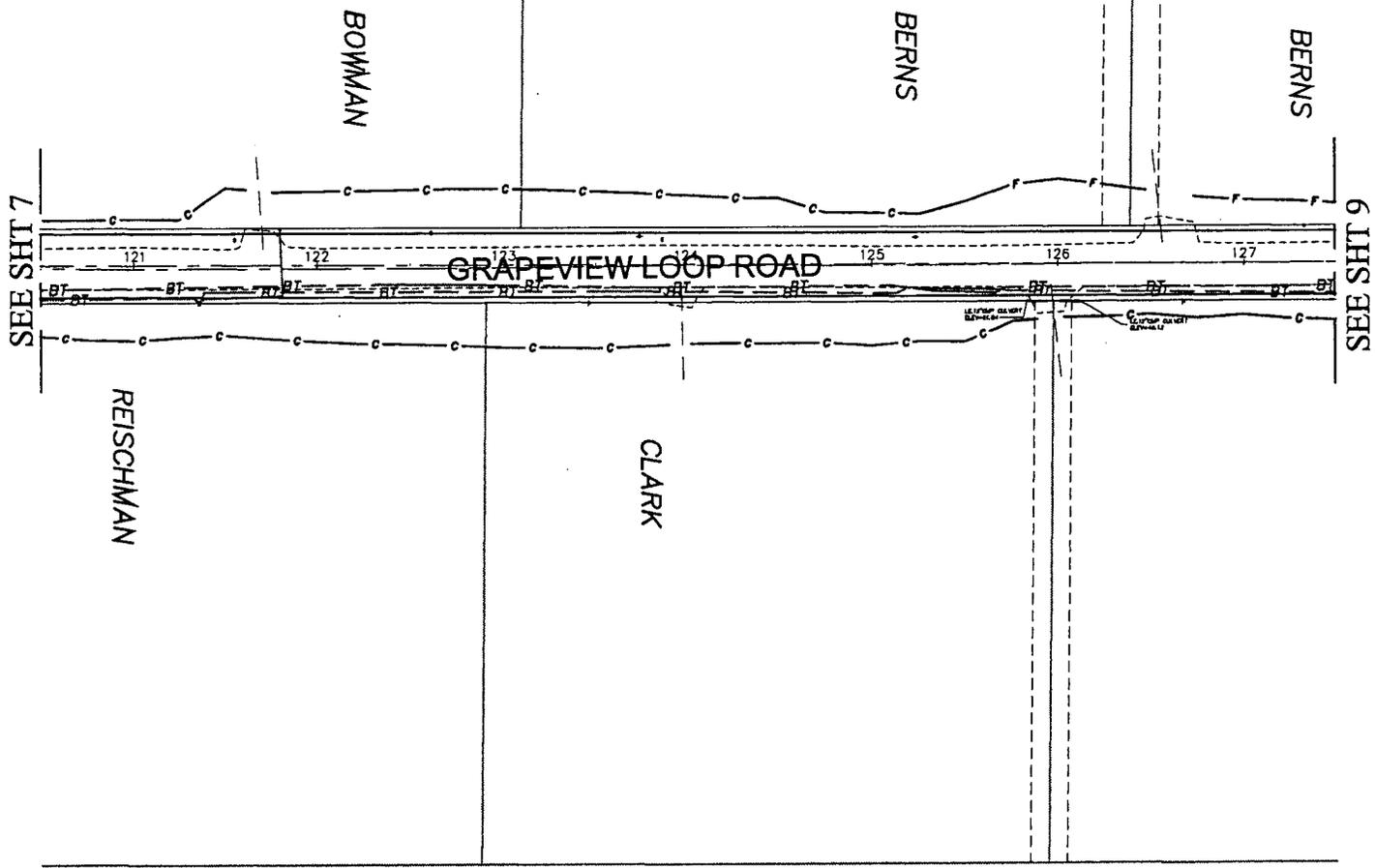
Applicant:

MASON COUNTY  
WASHINGTON

SCALE: 1" = 100'

SHEET 7 of 27

200300284



SEE SHT 7

SEE SHT 9

**LEGEND**



Wetland Boundary



Wetland Impact area



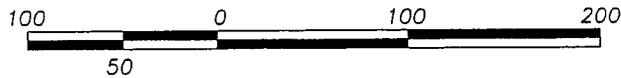
Cut Line



Fill Line

50+00

Stationing in feet



Scale in Feet

Source: Skillings-Connolly March 2002

200300284

Prepared by:



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Date: MAR 2003

**PROJECT LOCATION MAP**

Application for:

GRAPEVIEW LOOP ROAD  
 IMPROVEMENT PROJECT

200300284

Revised  
 3/5/04

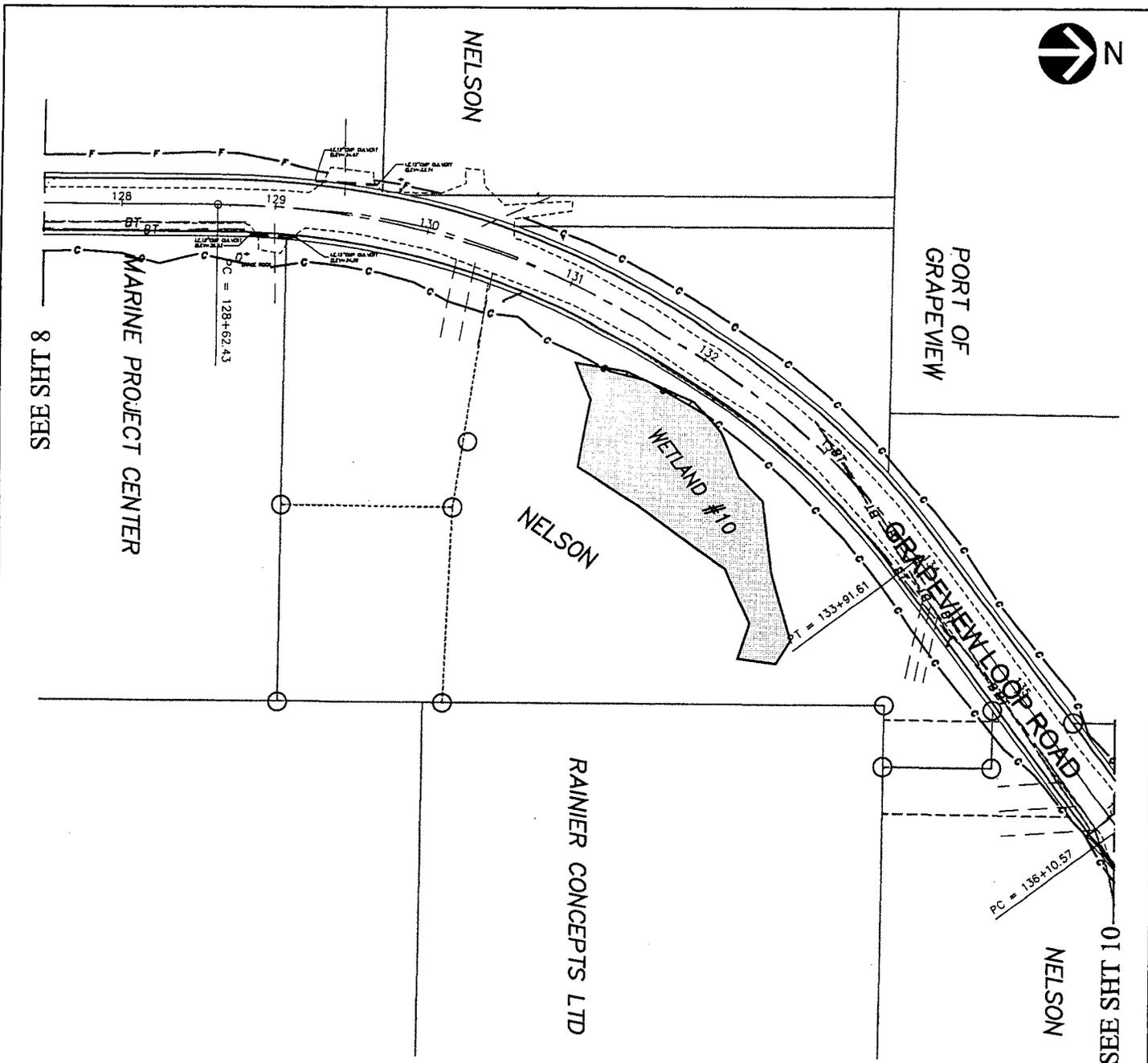
Applicant:

MASON COUNTY  
 WASHINGTON

SCALE: 1" = 100'

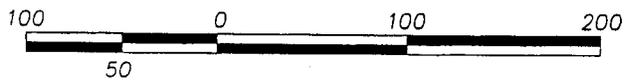
SHEET 8 of 27

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**LEGEND**

-  Wetland Boundary
-  Wetland Impact area
-  Cut Line
-  Fill Line
- 50+00 Stationing in feet



Source: Skillings-Connolly March 2002

Scale in Feet

200360284

EC Dwg File: 0163100-57.dwg Layout: Jorja Last Edited: 2003/Mar/11 09:02  
 EC Location: O:\Proj\00-000\Cad\Draws

**Prepared by:**  
  
**HERRERA**  
 ENVIRONMENTAL  
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 98121-1820  
 206-441-9080  
 206-441-9108 FAX  
 http://www.herrerainc.com  
**Date:** MAR 2003

**PROJECT LOCATION MAP**

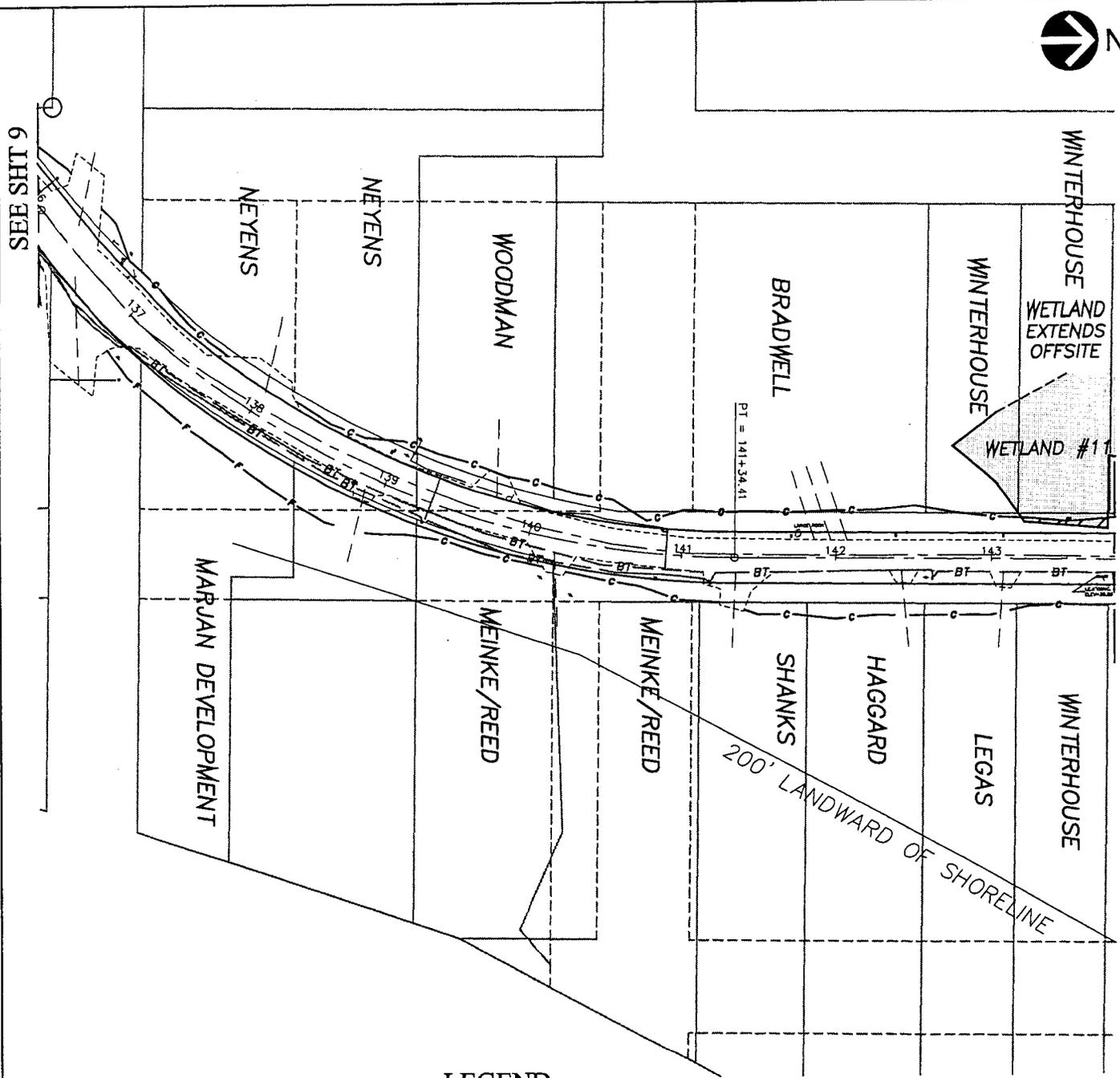
Application for:

GRAPEVIEW LOOP ROAD  
IMPROVEMENT PROJECT

200360284

Revised  
3/5/04

Applicant:  
 MASON COUNTY  
 WASHINGTON  
 SCALE: 1"=100'  
 SHEET 9 of 27



SEE SHT 9

SEE SHT 11

**LEGEND**



Wetland Boundary



Wetland Impact area



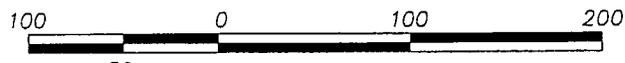
Cut Line



Fill Line

50+00

Stationing in feet



50

Scale in Feet

Source: Skillings-Connolly March 2002

200300284

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 Suite 601  
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 98121-1820  
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Date: MAR 2003

**PROJECT LOCATION MAP**

Application for:

Revised  
3/5/04

GRAPEVIEW LOOP ROAD  
IMPROVEMENT PROJECT

200300284

Applicant:

MASON COUNTY  
WASHINGTON

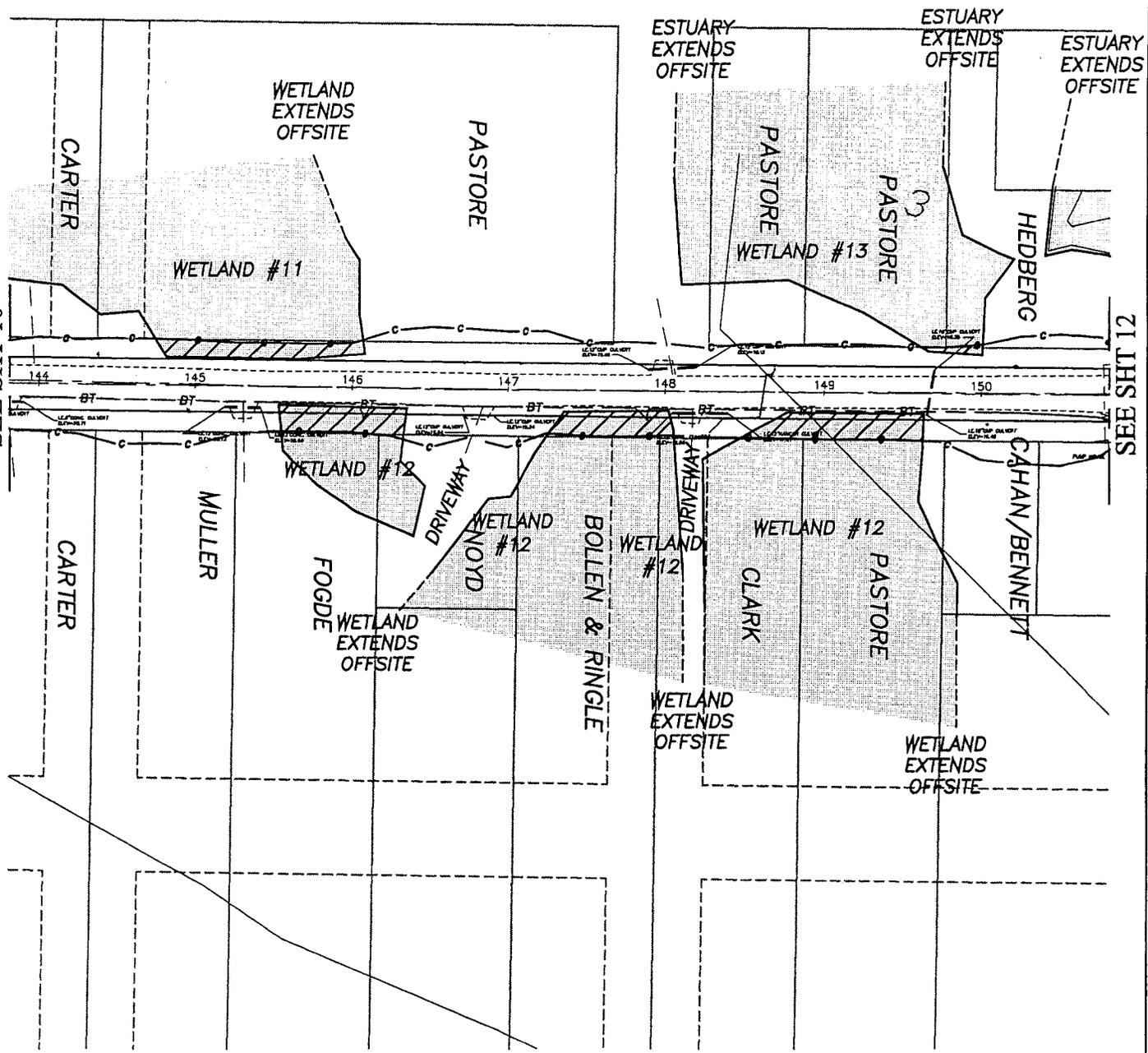
SCALE: 1"=100'

SHEET 10 of 27

EC Dwg File: 0163100-56.dwg Layout: Layout1 Last Edited: 2003/Mar/11 09:03  
 EC Location: O:\Proj\00-01631-000\Cad\Draws

SEE SHT 10

SEE SHT 12



**LEGEND**



Wetland Boundary



Wetland Impact area



Cut Line



Fill Line

50+00

Stationing in feet



Scale in Feet



200300284

Source: Skillings-Connolly March 2002

E:\C:\Dwg File: 0163100-75.dwg Layout: Jorpo Last Edited: 2003/Mar/11 09:34  
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Prepared by:



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Date: MAR 2003

**PROJECT LOCATION MAP**

Application for:

Revised  
 3/5/04

GRAPEVIEW LOOP ROAD  
 IMPROVEMENT PROJECT  
 200300284

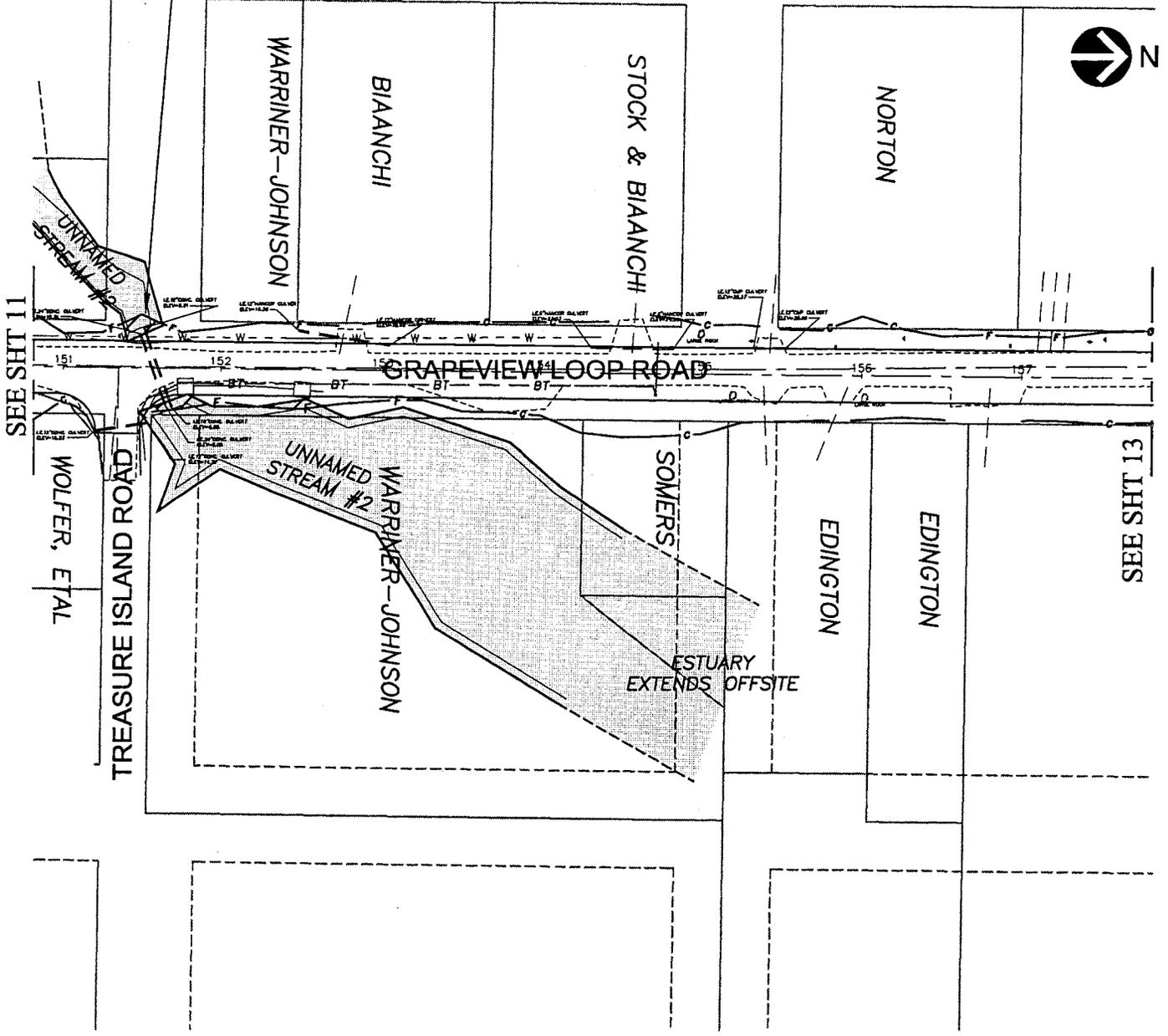
Applicant:

MASON COUNTY  
WASHINGTON

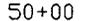
SCALE: 1"=100'

SHEET 11 of 27

SEE SHEET 24 AND 25 FOR CULVERT  
REPLACEMENT DETAIL



**LEGEND**

-  Wetland Boundary
-  Wetland Impact area
-  Cut Line
-  Fill Line
-  Stationing in feet



Source: Skillings-Connolly March 2002

Scale in Feet

200300284

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IMPROVEMENT PROJECT

200300284

Applicant:

MASON COUNTY  
WASHINGTON

SCALE: 1"=100'

SHEET 12 of 27



NEYENS

ESTUARY  
EXTENDS  
OFFSITE

MASONIC LODGE

OAKDALE STREET

JOHNSON

WETLAND #14

WARD

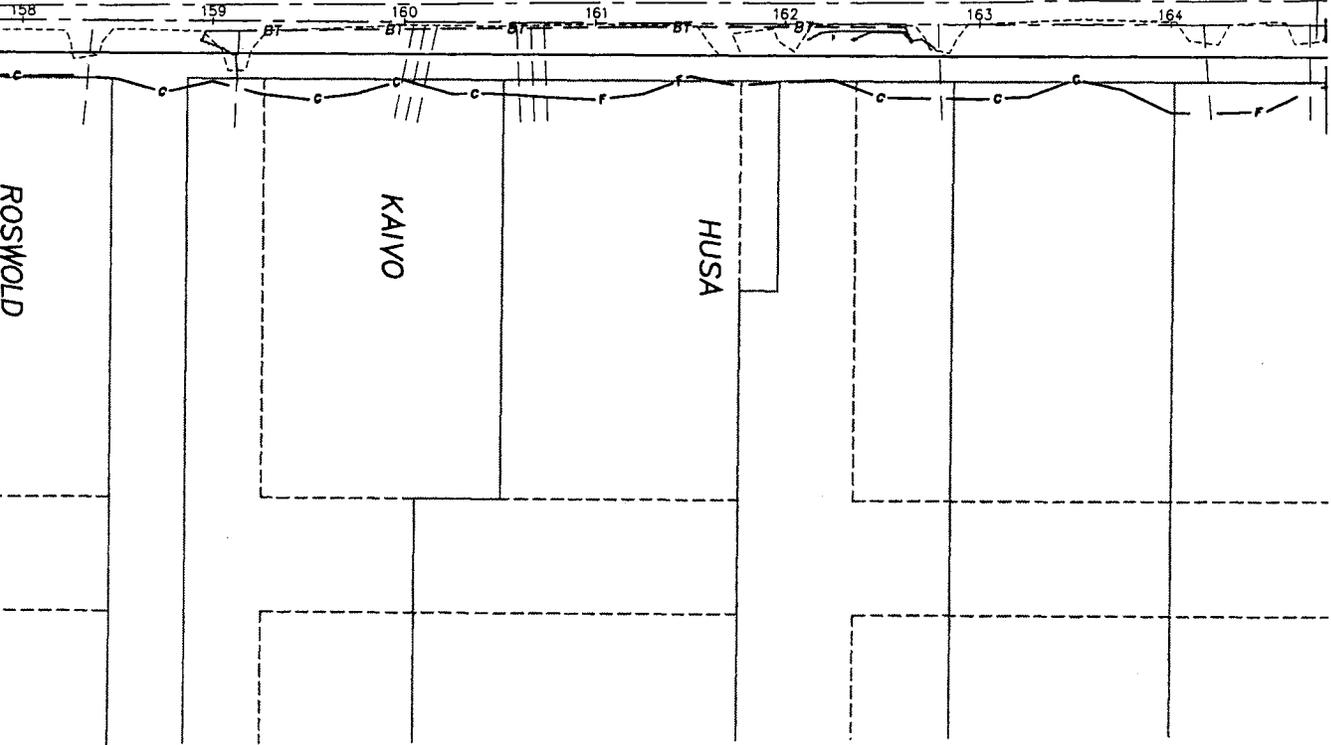
SEE SHT 12

SEE SHT 14

ROSWOLD

KAYO

HUSA



**LEGEND**



Wetland Boundary



Wetland Impact area



Cut Line



Fill Line

50+00

Stationing in feet



Scale in Feet

Source: Skillings-Connolly March 2002

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IMPROVEMENT PROJECT

200300284

Applicant:

MASON COUNTY  
WASHINGTON

SCALE: 1"=100'

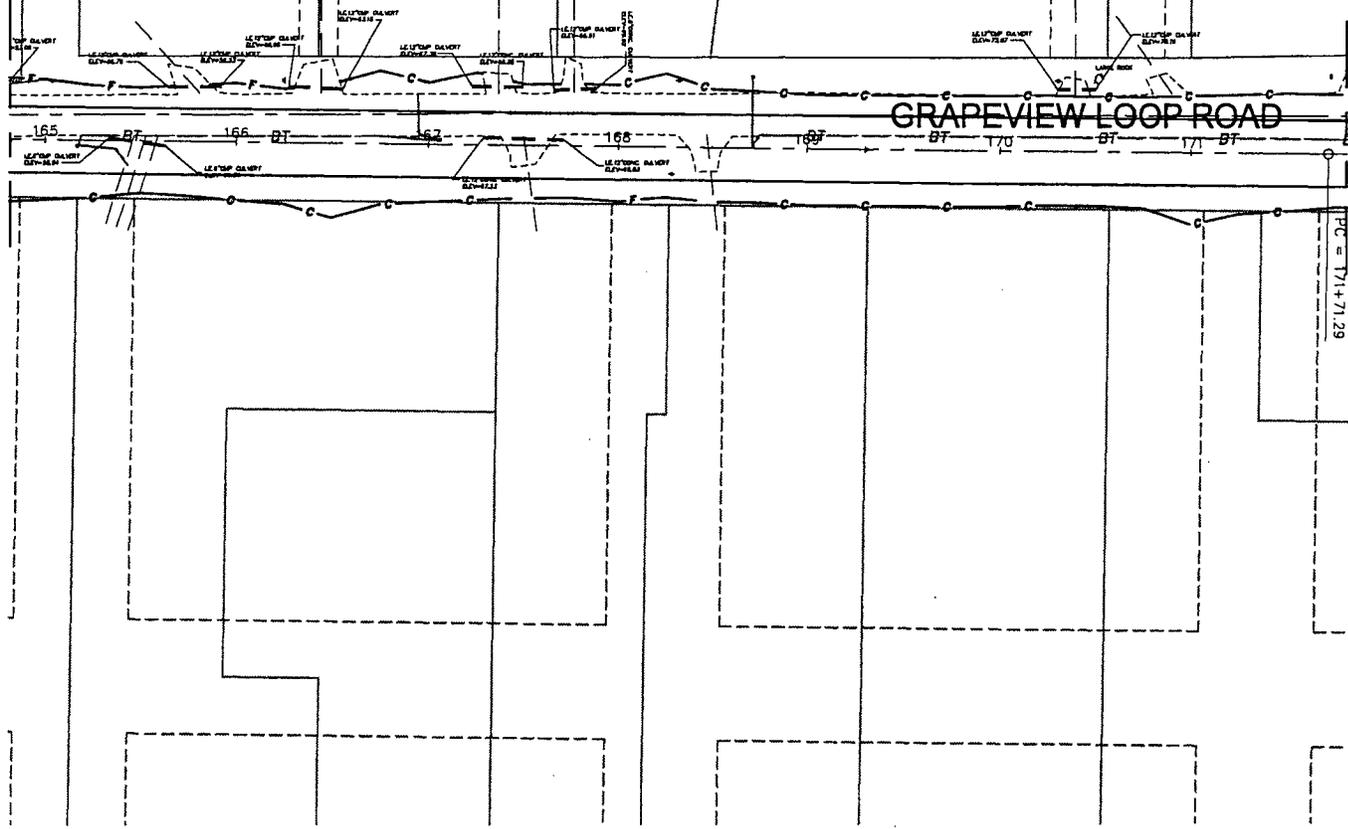
SHEET 13 of 27

EC Dwg File: 0163100-60.dwg Layout: Jorpa Lost Edited: 2003/Mar/11 09:05  
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SEE SHT 13

SEE SHT 15



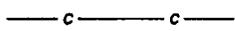
**LEGEND**



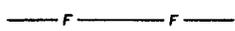
Wetland Boundary



Wetland Impact area



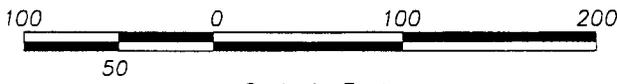
Cut Line



Fill Line

50+00

Stationing in feet



Source: Skillings-Connolly March 2002

200300284

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Applicant:

MASON COUNTY  
WASHINGTON

SCALE: 1" = 100'

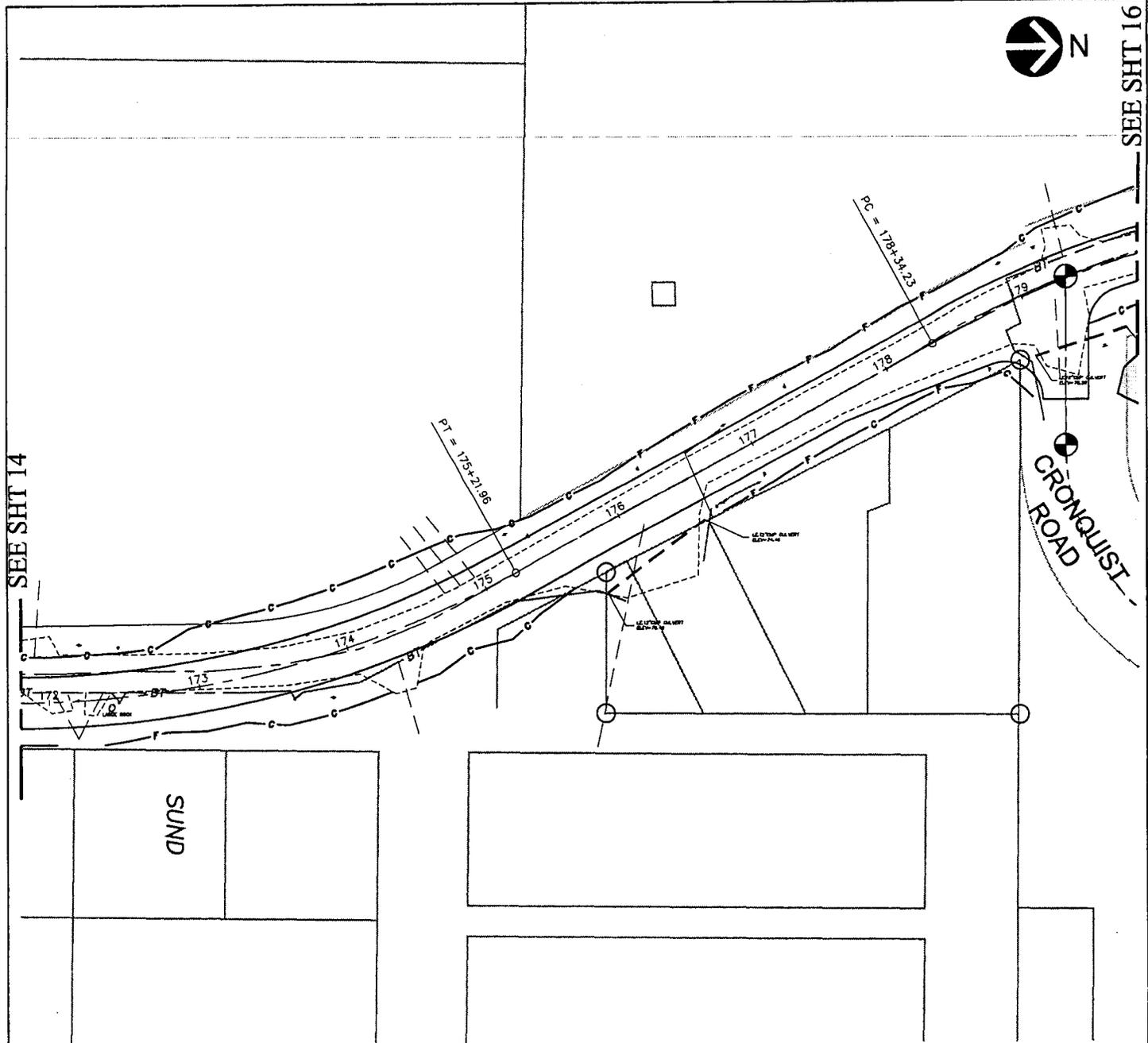
SHEET 14 of 27

EC Dwg File: 0163100-61.dwg Layout: Jarpa Last Edited: 2003/Mar/11 09:06  
EC Location: C:\Proj\00-01631-000\Cad\Dwgs\



SEE SHT 16

SEE SHT 14



**LEGEND**



Wetland Boundary



Wetland Impact area



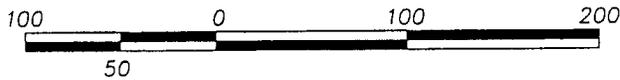
Cut Line



Fill Line

50+00

Stationing in feet



Source: Skillings-Connolly March 2002

200300284

EC Dwg File: 0163100-62.dwg Layout: Jorpa Last Edited: 2003/Mar/11 09:07  
EC Location: O:\Proj\100-01631-000\Cad\Drawgs

Prepared by:



2200 Sixth Avenue  
Suite 601  
Seattle, Washington  
98121-1820  
206-441-9080  
206-441-9108 FAX

<http://www.herrerainc.com>

Date: MAR 2003

**PROJECT LOCATION MAP**

Application for:

Revised  
3/5/04

GRAPEVIEW LOOP ROAD  
IMPROVEMENT PROJECT

200300284

Applicant:

MASON COUNTY  
WASHINGTON

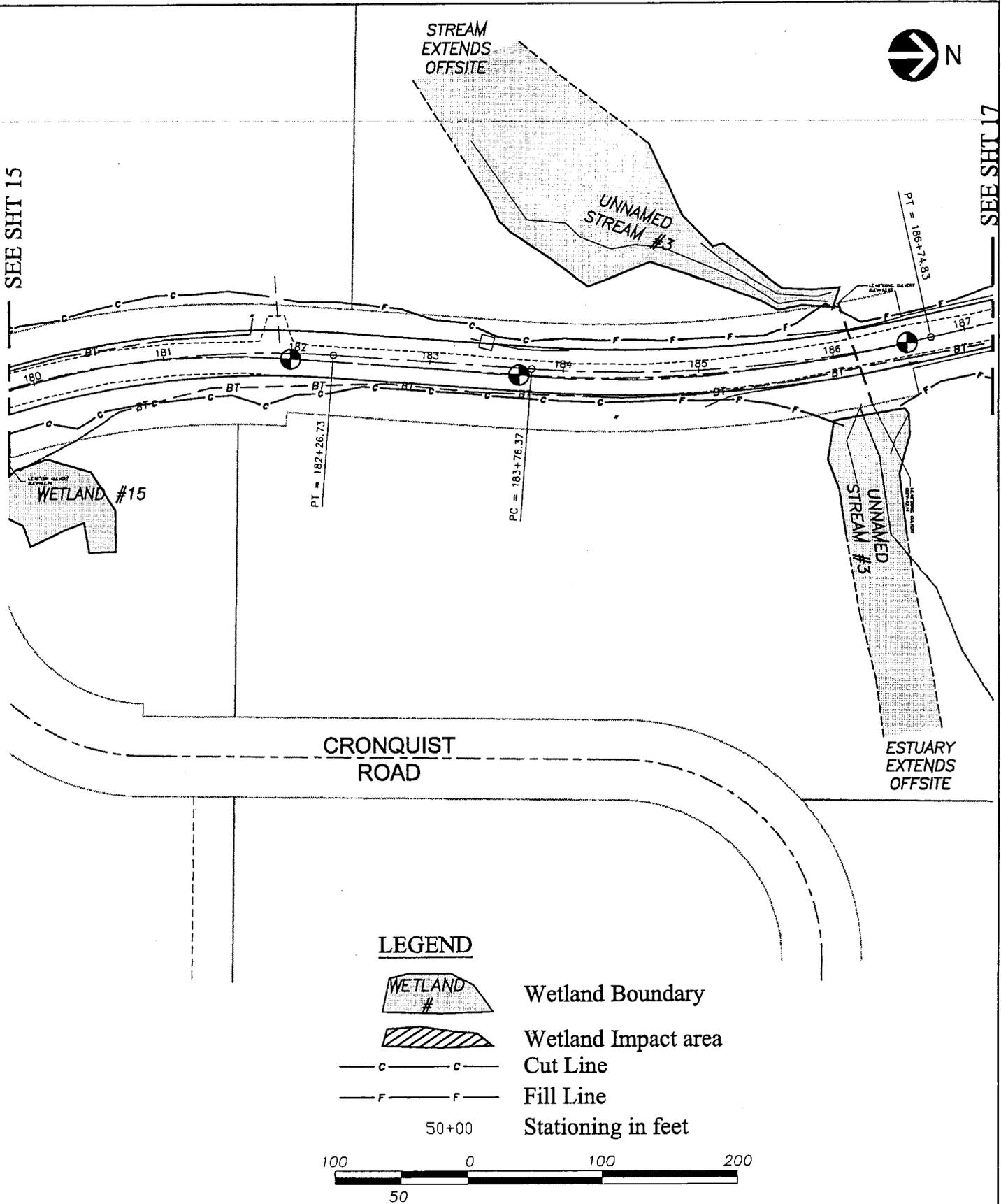
SCALE: 1" = 100'

SHEET 15 of 27



SEE SHT 15

SEE SHT 17



**LEGEND**



Wetland Boundary



Wetland Impact area



Cut Line



Fill Line

50+00

Stationing in feet



Source: Skillings-Connolly March 2002

Scale in Feet

200300284

Prepared by:



2200 Sixth Avenue  
 Suite 601  
 Seattle, Washington  
 98121-1820  
 206-441-9080  
 206-441-9108 FAX  
<http://www.herrerainc.com>

Date: MAR 2003

**PROJECT LOCATION MAP**

Application for:

Revised  
3/5/04

GRAPEVIEW LOOP ROAD  
IMPROVEMENT PROJECT

200300284

Applicant:

MASON COUNTY  
WASHINGTON

SCALE: 1"=100'

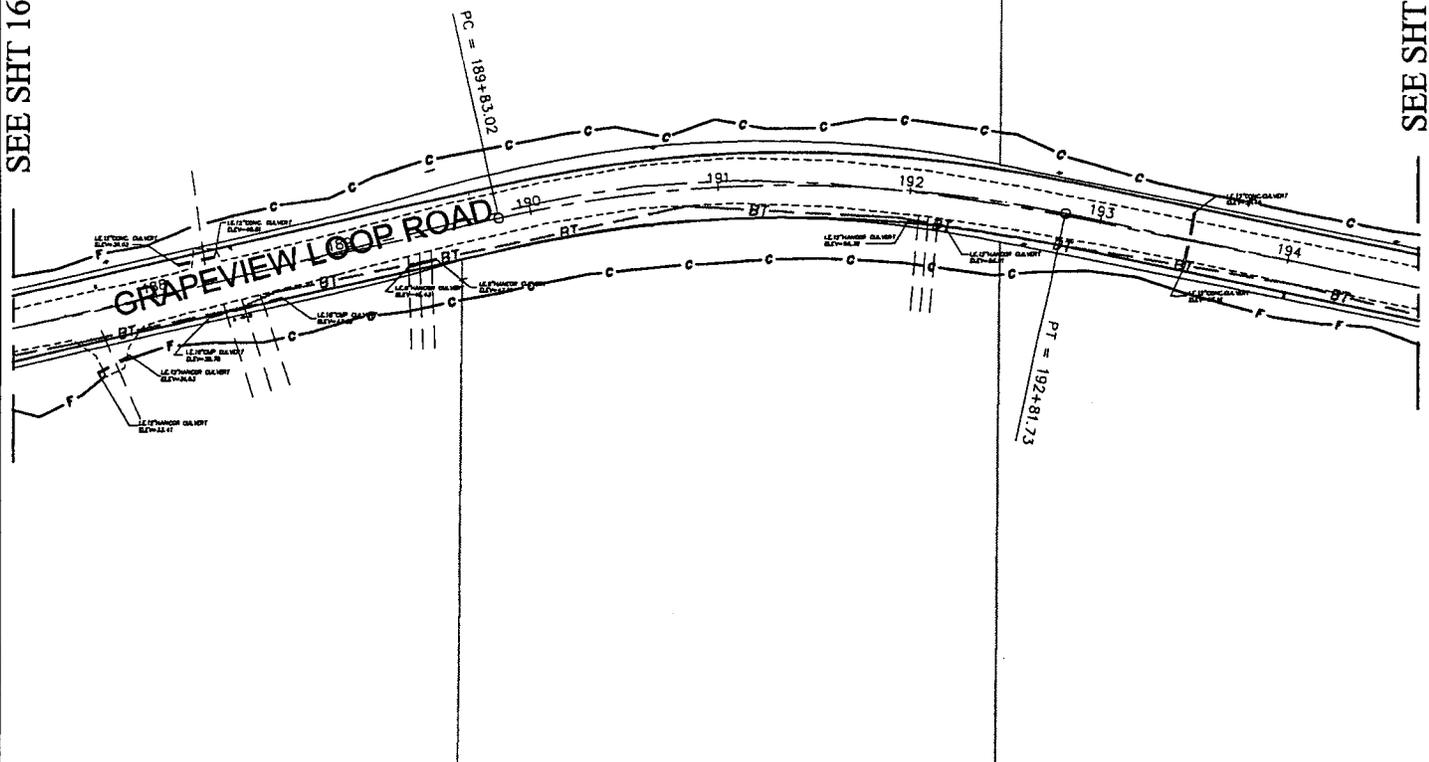
SHEET 16 of 27

EC Dwg File: 0163100-63.dwg Layout: Jarpa Lost Edited: 2003/Mar/11 09:08  
 EC Location: O:\Proj\00-01631-000\Cad\Draws



SEE SHT 16

SEE SHT 18



**LEGEND**



Wetland Boundary



Wetland Impact area



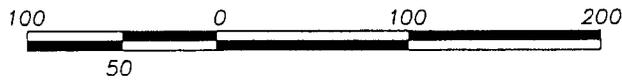
Cut Line



Fill Line

50+00

Stationing in feet



Source: Skillings-Connolly March 2002

Scale in Feet

200300284

Applicant:

MASON COUNTY  
WASHINGTON

Prepared by:



2200 Sixth Avenue  
Suite 601  
Seattle, Washington  
98121-1820  
206-441-9080  
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http://www.herrerainc.com

Date: MAR 2003

**PROJECT LOCATION MAP**

Application for:

Revised  
3/5/04

GRAPEVIEW LOOP ROAD  
IMPROVEMENT PROJECT

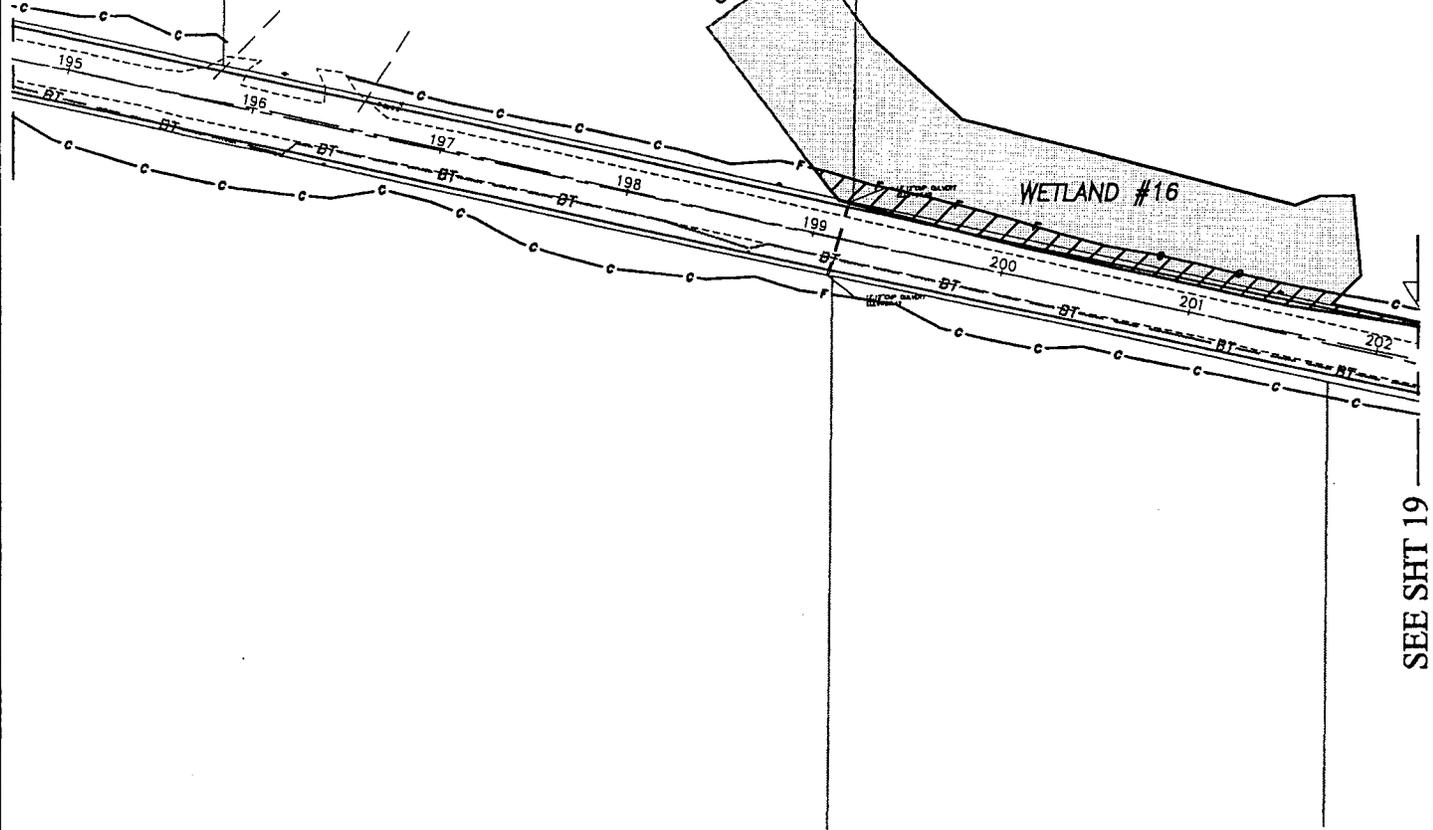
200300284

SCALE: 1" = 100'

SHEET 17 of 27



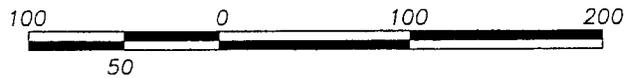
SEE SHT 17



SEE SHT 19

**LEGEND**

-  Wetland Boundary
-  Wetland Impact area
-  Cut Line
-  Fill Line
- 50+00 Stationing in feet



Source: Skillings-Connolly March 2002

Scale in Feet

200300284

EC Dwg File: 0163100-65.dwg Layout: Jorpa Last Edited: 2003/Mar/11 09:10  
EC Location: O:\Proj\00-01631-000\Cad\Draws

Prepared by:



2200 Sixth Avenue  
Suite 601  
Seattle, Washington  
98121-1820  
206-441-9080  
206-441-9108 FAX

<http://www.herrerainc.com>

Date: MAR 2003

**PROJECT LOCATION MAP**

Application for:

Revised  
3/5/04

GRAPEVIEW LOOP ROAD  
IMPROVEMENT PROJECT

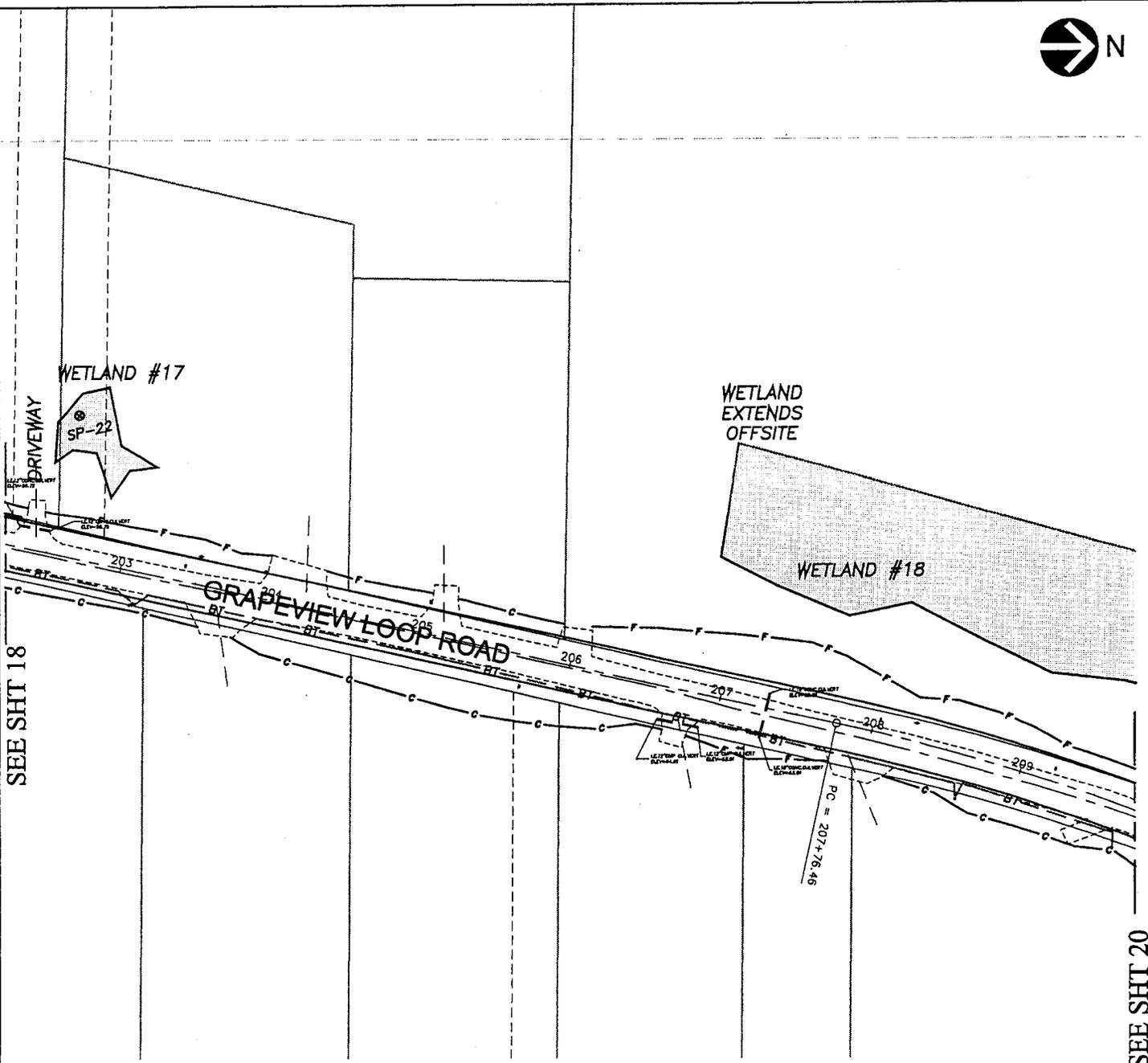
200300284

Applicant:

MASON COUNTY  
WASHINGTON

SCALE: 1"=100'

SHEET 18 of 27



SEE SHT 18

SEE SHT 20

**LEGEND**

-  Wetland Boundary
-  Wetland Impact area
-  Cut Line
-  Fill Line
- 50+00 Stationing in feet



Source: Skillings-Connolly March 2002

200300284

EC Dwg File: 0163100-66.dwg Layout: Jorpa Last Edited: 2003/Mar/11 09:11  
EC Location: 0:\Proj\00-01631-00\Cad\Drawgs

Prepared by:



2200 Sixth Avenue  
Suite 601  
Seattle, Washington  
98121-1820  
206-441-9080  
206-441-9108 FAX  
http://www.herrerainc.com

Date: MAR 2003

**PROJECT LOCATION MAP**

Application for:

Revised  
3/5/04

GRAPEVIEW LOOP ROAD  
IMPROVEMENT PROJECT

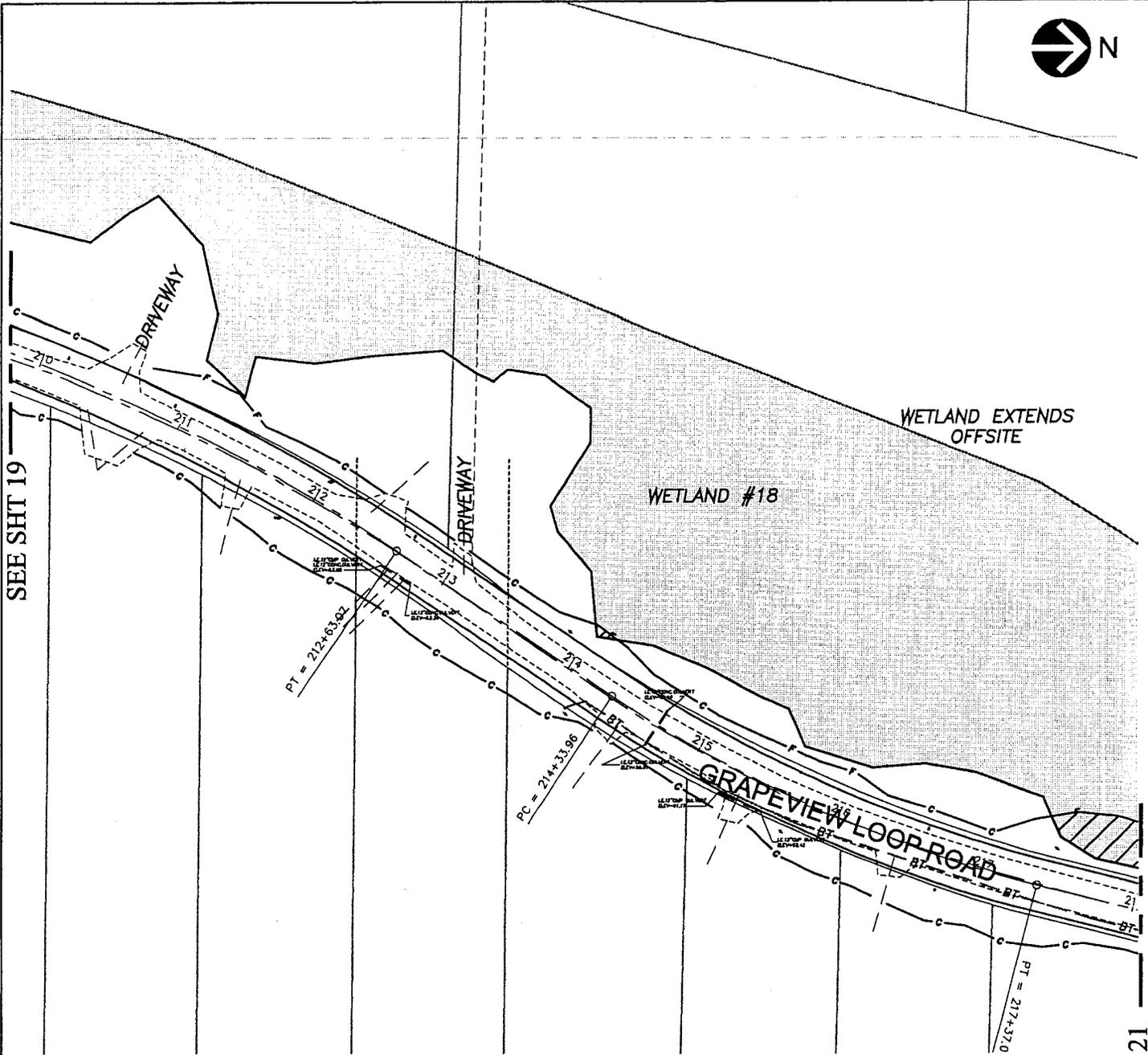
Applicant:

MASON COUNTY  
WASHINGTON

SCALE: 1" = 100'

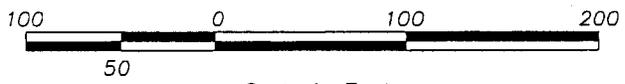
SHEET 19 of 27

*Jorpa*



**LEGEND**

-  Wetland Boundary
-  Wetland Impact area
-  Cut Line
-  Fill Line
- 50+00 Stationing in feet



Source: Skillings-Connolly March 2002

200300284

IEC Dwg. File: 0163100-67.dwg Layout: Jarpa Lost Edited: 2003/Mar/11 09:13  
 IEC Location: O:\Proj\00-01631-000\Cad\Draws

Prepared by:  
  
**HERRERA**  
 ENVIRONMENTAL  
 CONSULTANTS  
 2200 Sixth Avenue  
 Suite 601  
 Seattle, Washington  
 98121-1820  
 206-441-9080  
 206-441-9108 FAX  
<http://www.herrerainc.com>  
 Date: MAR 2003

**PROJECT LOCATION MAP**

Application for:

Revised  
 3/5/04

GRAPEVIEW LOOP ROAD  
 IMPROVEMENT PROJECT

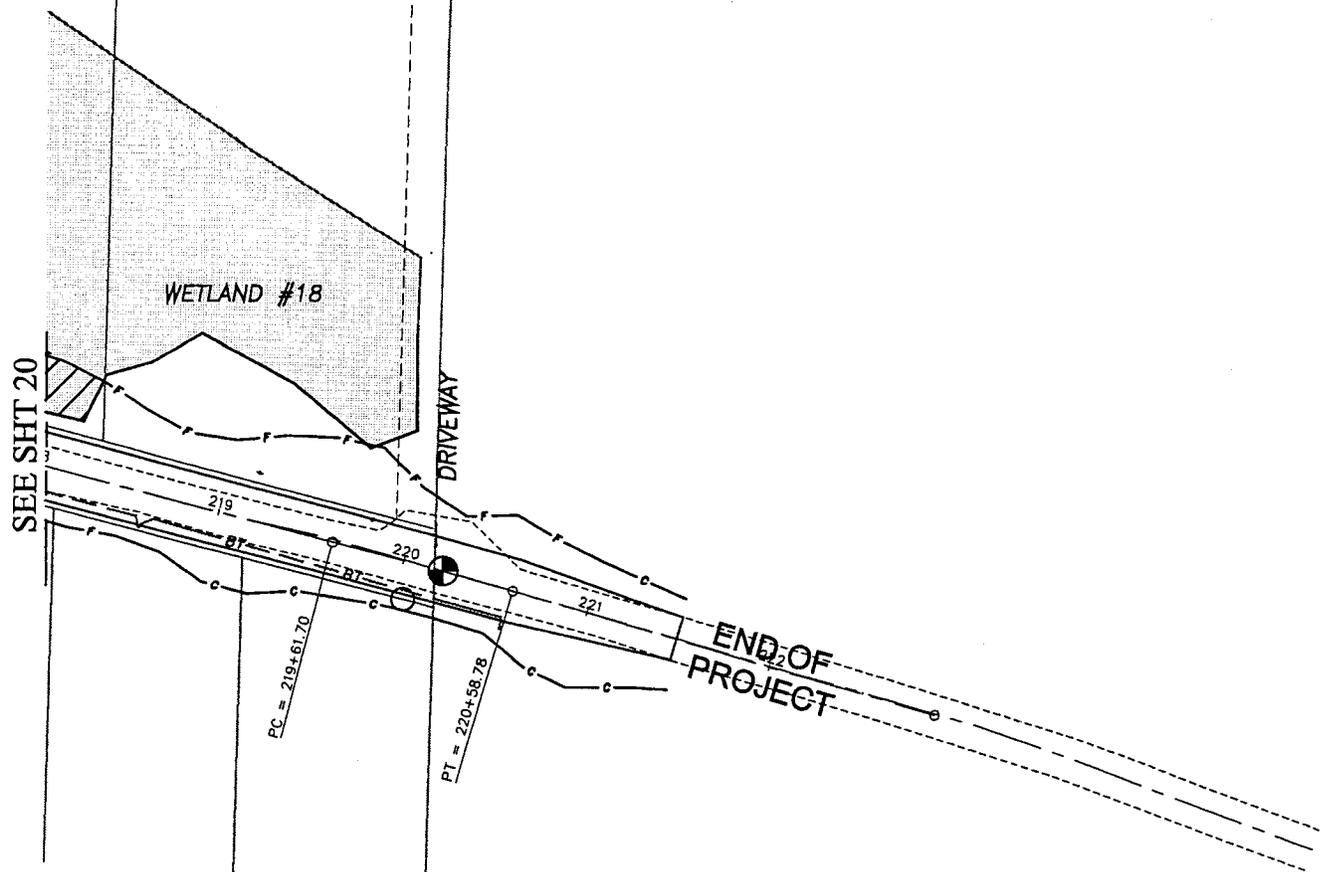
200300284

Applicant:  
 MASON COUNTY  
 WASHINGTON

SCALE: 1"=100'

SHEET 20 of 27

SEE SHT 21



**LEGEND**

-  Wetland Boundary
-  Wetland Impact area
-  Cut Line
-  Fill Line
- 50+00 Stationing in feet



Source: Skillings-Connolly March 2002

EC Dwg File: 0163100-68.dwg Layout: Jarpa Last Edited: 2003/Mar/11 09:22  
 EC Location: o:\Proj\00-01631-000\Cad\Draws

Prepared by:



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 Suite 601  
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 98121-1820  
 206-441-9080  
 206-441-9108 FAX  
<http://www.herrerainc.com>

Date: MAR 2003

**PROJECT LOCATION MAP**

Application for:

GRAPEVIEW LOOP ROAD  
IMPROVEMENT PROJECT

Revised  
3/5/04

200300284

200300284

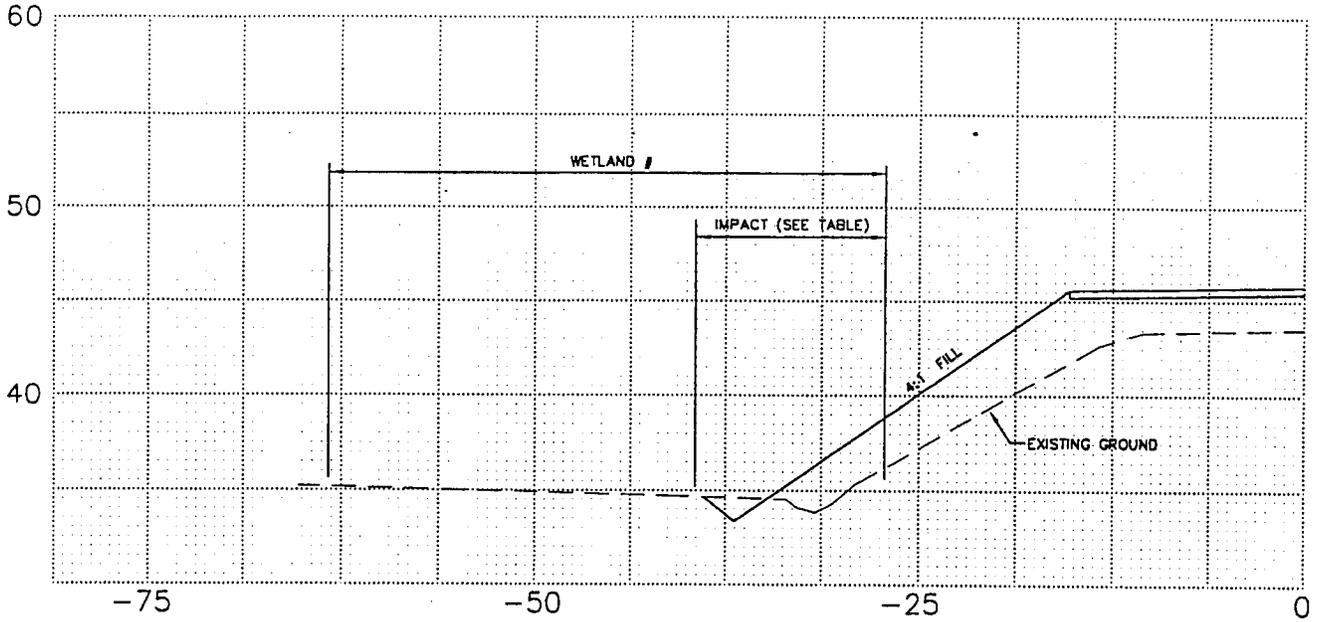
Applicant:

MASON COUNTY  
WASHINGTON

SCALE: 1"=100'

SHEET 21 of 27

# TYPICAL WETLAND IMPACT



WETLAND #	AREA (SF)	FILL VOLUME (CY) GRAVEL BORROW	CUT VOLUME (CY)
3	3049	800	0
4	4792	160	0
5	436	20	83
6	871	94	94
7	1307	50	174
8	1307	15	0
9	871	1	1
11	436	35	305
12	2178	0	208
13	87	137	0
16	3049	220	215
18	871	0	19

PURPOSE: ROADWAY WIDENING AND SAFETY IMPROVEMENTS.

DATUM: TIDAL

ADJECENT PROPERTY OWNERS: SEE SEPERATE LIST.

APPLICANT  
2003-2-00284  
MASON COUNTY PUBLIC WORKS

LOCATED ADDRESS  
411 N 5TH ST, SHELTON WA 98584

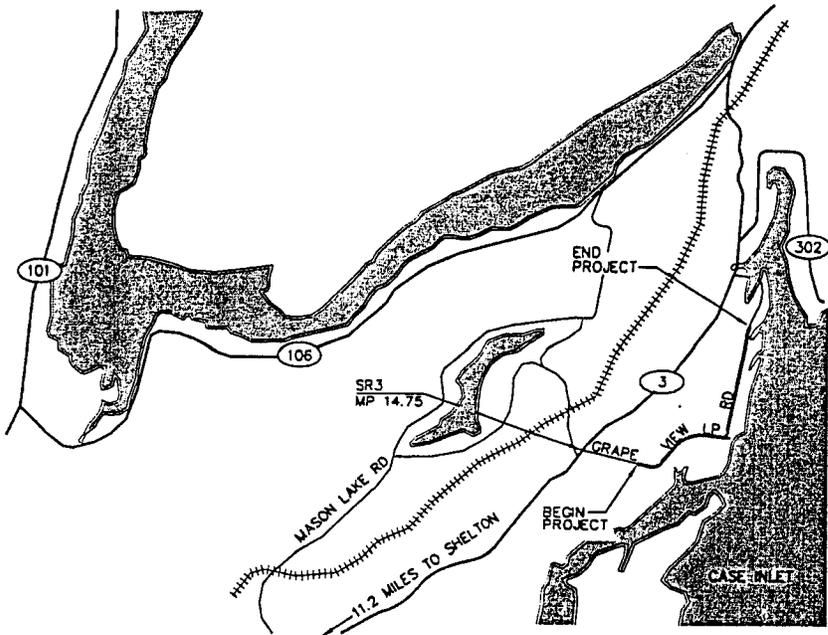
200300284

PROPOSED: CULVERT REPLACEMENT.

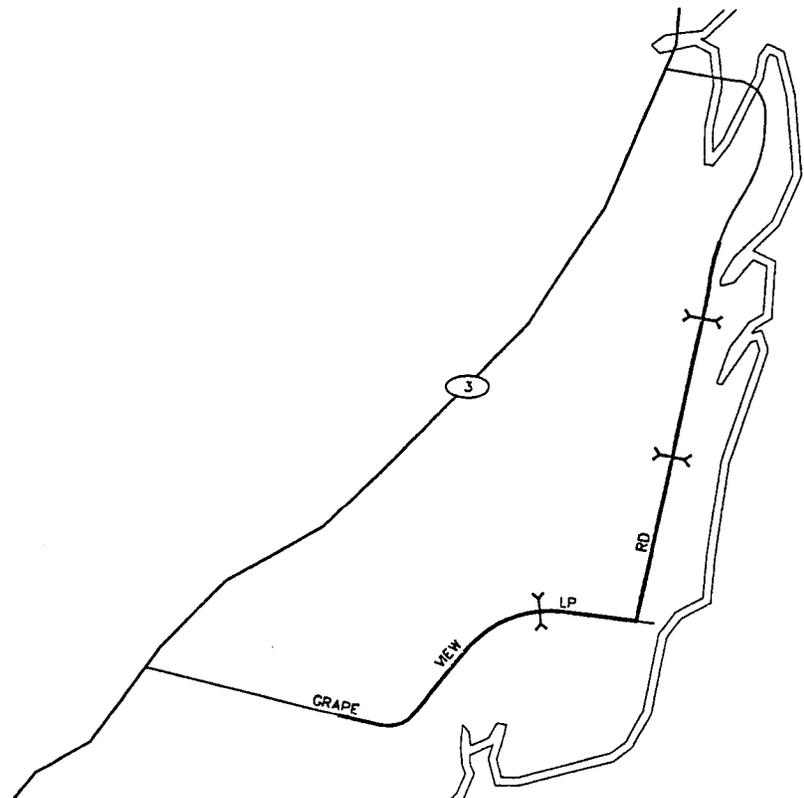
IN: TOWN OF GRAPEVIEW  
NEAR/AT: GRAPEVIEW LOOP ROAD  
COUNTY: MASON STATE: WA

SHEET 22 OF 27  
DATE: 5/28/2003

Revised  
3/5/04



**VICINITY MAP**  
NOT TO SCALE



**CULVERT MAP**  
NOT TO SCALE

**PURPOSE:** ROADWAY WIDENING AND SAFETY IMPROVEMENTS.  
**DATUM:** TIDAL  
**ADJECENT PROPERTY OWNERS:** SEE SEPERATE LIST.

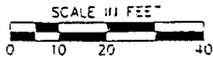
**APPLICANT**  
2003-2-00284  
MASON COUNTY PUBLIC WORKS  
**LOCATED ADDRESS**  
411 N 5TH ST, SHELTON WA 98584

**PROPOSED:** CULVERT REPLACEMENT.  
**IN:** TOWN OF GRAPEVIEW  
**NEAR/AT:** GRAPEVIEW LOOP ROAD  
**COUNTY:** MASON **STATE:** WA

**SHEET** 23 OF 27  
**DATE:** 5/28/2003

**Revised**  
3/5/04

200300284



**NOTES:**

**EROSION CONTROL AND WATER POLLUTION CONTROL**

THIS WORK SHALL CONSIST OF FURNISHING, INSTALLING, MAINTAINING, AND REMOVING AND DISPOSING OF WATER POLLUTION AND EROSION CONTROL ITEMS IN ACCORDANCE WITH THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION, AND AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

**PROPOSED:**

- C ——— CATCH POINT OF CUT
- F ——— CATCH POINT OF FILL
- EDGE OF PAVEMENT
- - - - - DESIGN CENTERLINE
- CULVERT
- GUARDRAIL

**EXISTING:**

- LANDSCAPE ROCK
- MAILBOX
- d SIGN
- P POWER VAULT
- UTILITY POLE
- - - - - CULVERT
- GAURDRAIL
- W - - - - W - WATER LINE
- OHP — — — — OVERHEAD POWER LINE
- BT — — — — BURIED TELEPHONE LINE
- P — — — — POWER LINE
- - - - - EDGE OF PAVEMENT
- - - - - MHHW
- - - - - MHW

Streambed particle size distribution for porosity design

	D <sub>100</sub> (inches)	Particle size distribution (inches)		
		40% < 3	30% < 3-7	30% < 7-12
CULVERT #1	12	40% < 2	30% < 5-9	30% < 2-6
CULVERT #2	9	40% < 2	30% < 5-9	30% < 2-6
CULVERT #3	9	40% < 2	30% < 5-9	30% < 2-6

**PURPOSE:** ROADWAY WIDENING AND SAFETY IMPROVEMENTS.

**DATUM:** TIDAL

**ADJECENT PROPERTY OWNERS:** SEE SEPERATE LIST.

**APPLICANT**  
2003-2-00284  
MASON COUNTY PUBLIC WORKS

**LOCATED ADDRESS**  
411 N 5TH ST, SHELTON WA 98584

200302284

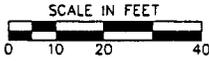
**PROPOSED:** CULVERT REPLACEMENT.

**IN:** TOWN OF GRAPEVIEW  
**NEAR/AT:** GRAPEVIEW LOOP ROAD  
**COUNTY:** MASON **STATE:** WA

**SHEET** 24 **OF** 27  
**DATE:** 5/28/2003

Revised  
3/5/04

SEC. 8, T. 21 N., R. 1W



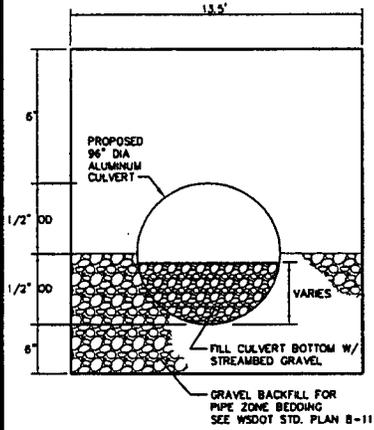
UNNAMED STREAM  
EDGE OF WATER

EX CULVERT

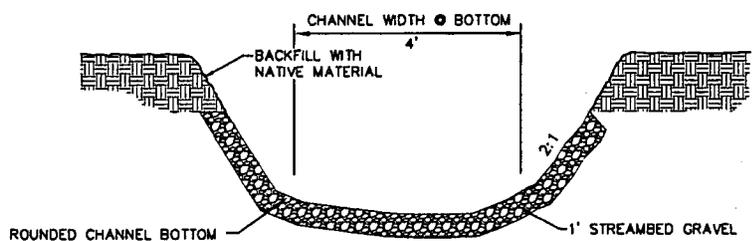
PROPOSED CULVERT

A 49+60.84, 33.31 LT  
IE 9.49

A 49+21.12, 36.21 RT  
IE 7.93

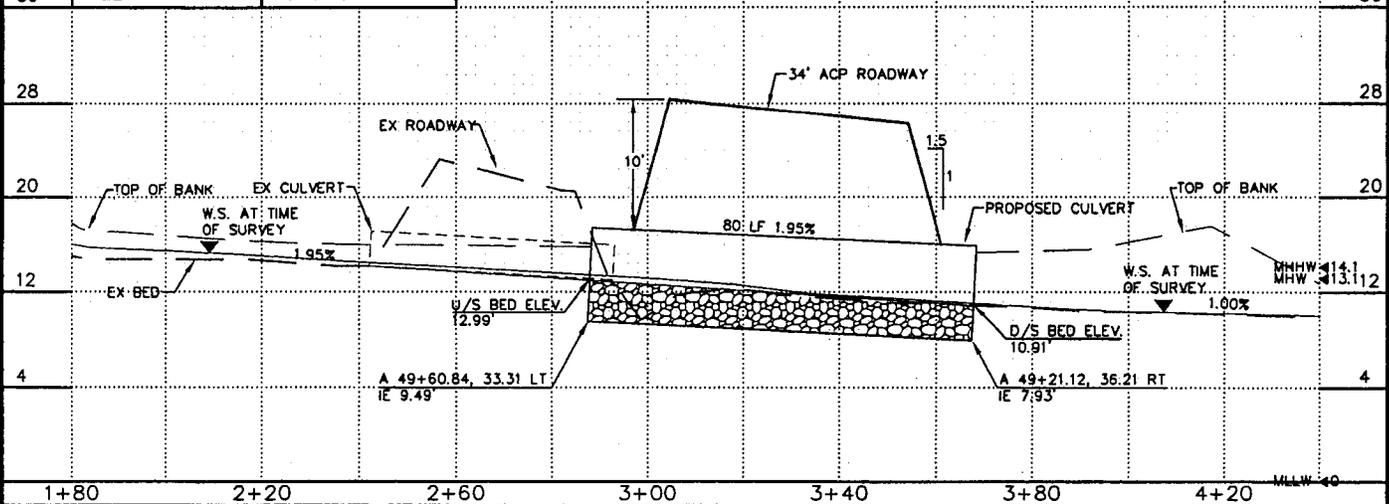


**CULVERT DETAIL**  
NOT TO SCALE



**PROPOSED CHANNEL AT A-A**  
NOT TO SCALE

MATERIAL WATERWARD OF MHHW	
EXCAVATED	207 CY
FILL	310 CY



**PURPOSE:** ROADWAY WIDENING AND SAFETY IMPROVEMENTS.

**DATUM:** TIDAL

**ADJECENT PROPERTY OWNERS:** SEE SEPERATE LIST.

**APPLICANT**  
2003-2-00284  
MASON COUNTY PUBLIC WORKS

**LOCATED ADDRESS**  
411 N 5TH ST, SHELTON WA 98584

**200300284**

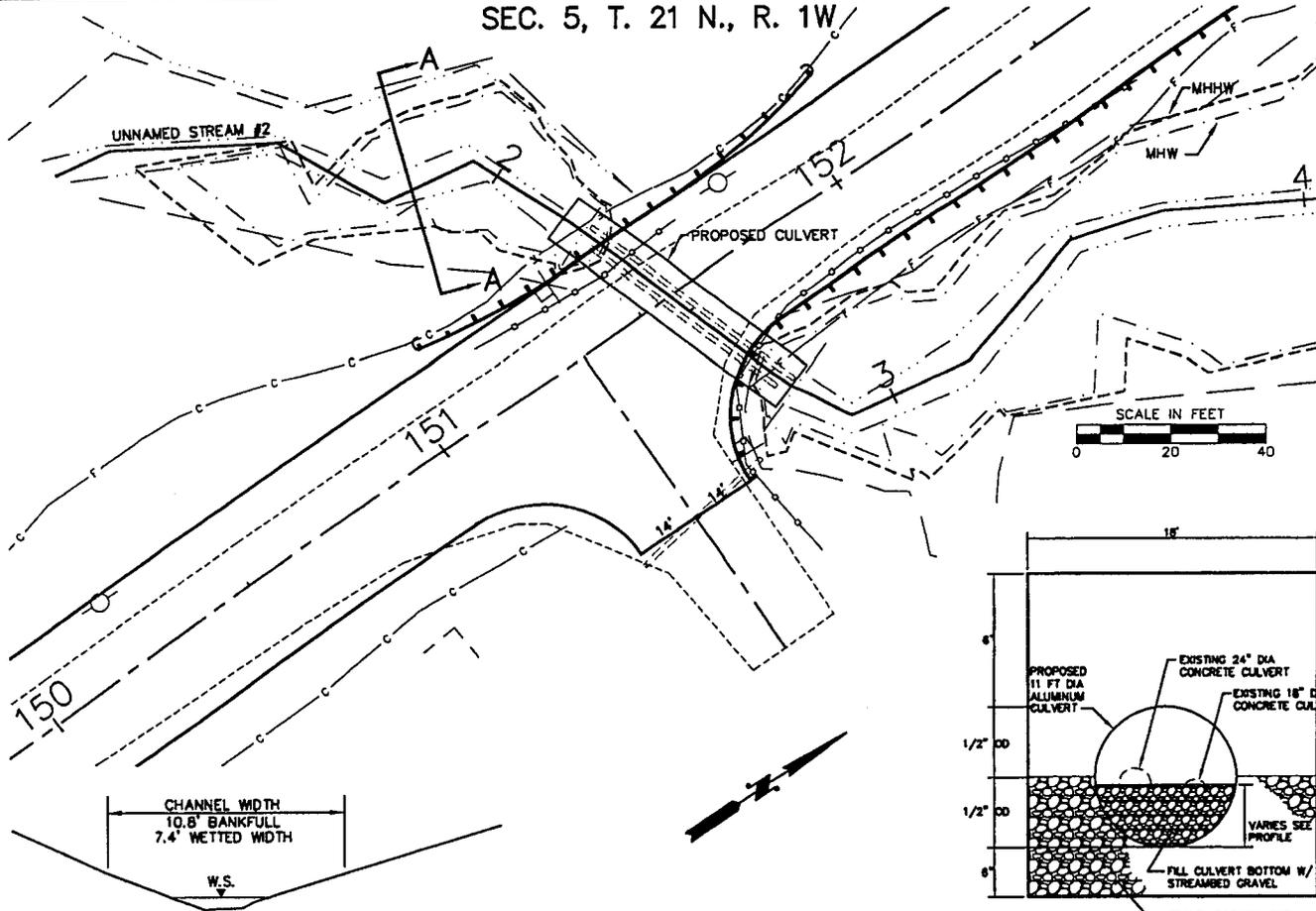
**PROPOSED:** CULVERT REPLACEMENT AT UNNAMED STREAM #1

**IN:** TOWN OF GRAPEVIEW  
**NEAR/AT:** GRAPEVIEW LOOP ROAD  
**COUNTY:** MASON **STATE:** WA

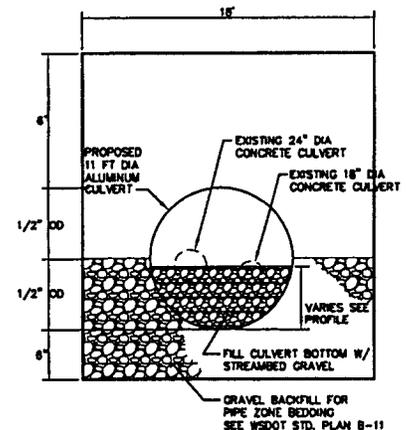
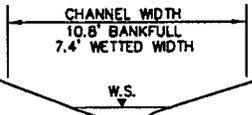
**SHEET 25 OF 27**  
**DATE:** 5/28/2003

**Revised 3/5/04**

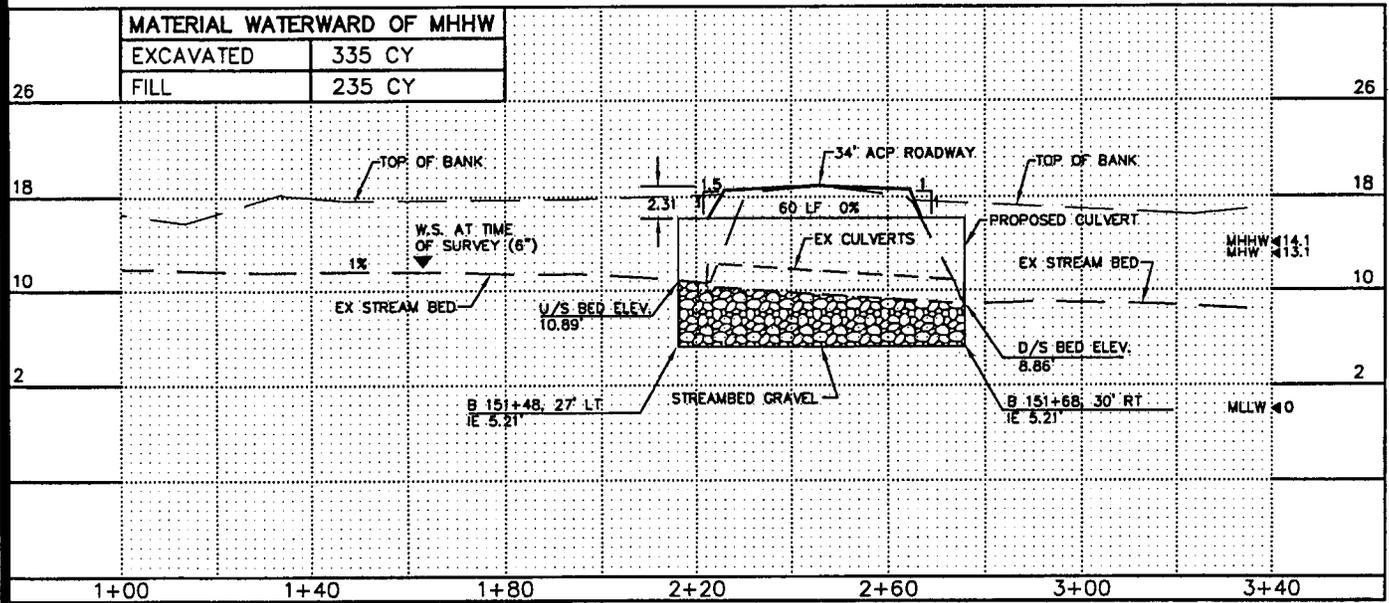
SEC. 5, T. 21 N., R. 1W



**SECTION A-A**  
NOT TO SCALE



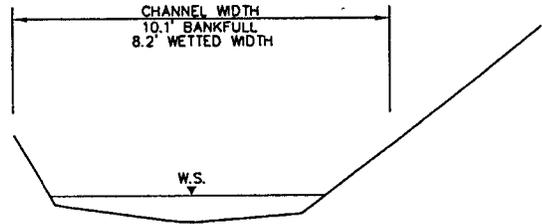
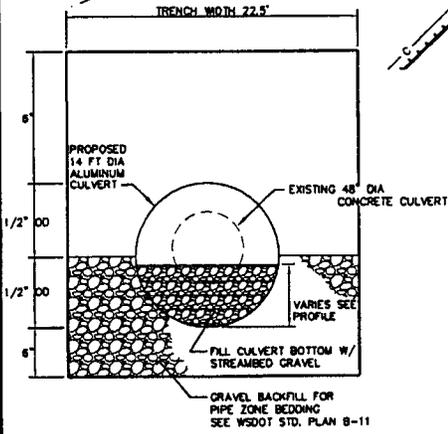
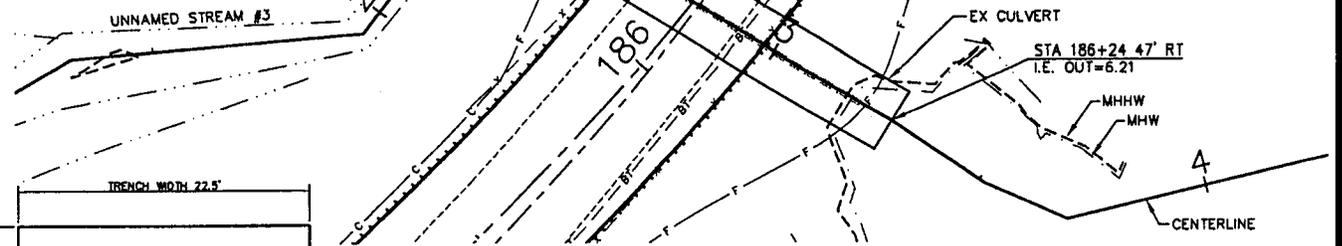
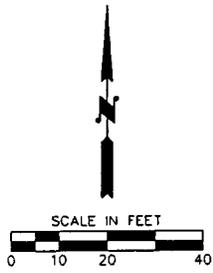
**CULVERT DETAIL**  
NOT TO SCALE



<p><b>PURPOSE:</b> ROADWAY WIDENING AND SAFETY IMPROVEMENTS.</p> <p><b>DATUM:</b> TIDAL</p> <p><b>ADJACENT PROPERTY OWNERS:</b> SEE SEPERATE LIST.</p>	<p><b>APPLICANT</b> 2003-2-00284 MASON COUNTY PUBLIC WORKS</p> <p><b>LOCATED ADDRESS</b> 411 N 5TH ST, SHELTON WA 98584</p> <p style="font-size: 1.2em; font-weight: bold;">20030284</p>	<p><b>PROPOSED:</b> CULVERT REPLACEMENT AT UNNAMED STREAM #2</p> <p><b>IN:</b> TOWN OF GRAPEVIEW <b>NEAR/AT:</b> GRAPEVIEW LOOP ROAD <b>COUNTY:</b> MASON <b>STATE:</b> WA</p> <p><b>SHEET</b> 26 <b>OF</b> 27 <b>DATE:</b> 5/28/2003</p>
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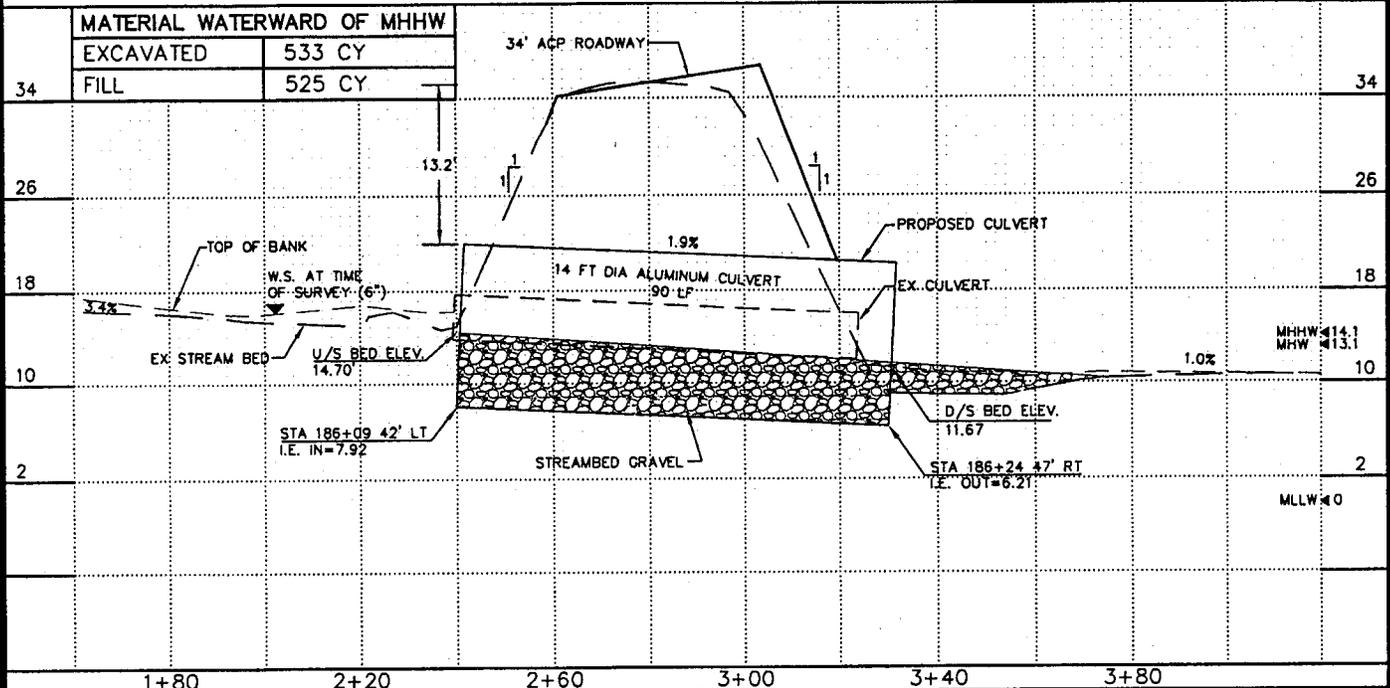
Revised  
3/5/04

SEC. 32, T. 22 N., R. 1W



SECTION A-A  
NOT TO SCALE

CULVERT DETAIL  
NOT TO SCALE



<p><b>PURPOSE:</b> ROADWAY WIDENING AND SAFETY IMPROVEMENTS.</p> <p><b>DATUM:</b> TIDAL</p> <p><b>ADJECENT PROPERTY OWNERS:</b> SEE SEPERATE LIST.</p>	<p><b>APPLICANT</b> 2003-2-00284 MASON COUNTY PUBLIC WORKS</p> <p><b>LOCATED ADDRESS</b> 411 N 5TH ST, SHELTON WA 98584</p> <p style="font-size: 1.2em; font-weight: bold;">200300284</p>	<p><b>PROPOSED:</b> CULVERT REPLACEMENT AT UNNAMED STREAM #3</p> <p><b>IN:</b> TOWN OF GRAPEVIEW <b>NEAR/AT:</b> GRAPEVIEW LOOP ROAD <b>COUNTY:</b> MASON <b>STATE:</b> WA</p> <p><b>SHEET 27 OF 27</b> <b>DATE:</b> 5/28/2003</p> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> <p style="margin: 0;">Revised 3/5/04</p> </div>
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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  
Water Quality Certification  
and for  
Certification of Consistency with the  
Washington Coastal Zone Management Program

Date: 03/23/04

Notice is hereby given that a request has been filed with the Department of Ecology, pursuant to the requirements of Section 401 of the federal Clean Water Act of 1977 (PL 95-217), to certify that the project described in the U.S. Army Corps of Engineers Public Notice No. 200300284 will comply with the Sections 301, 302, 303, 306, and 307 of the Act, and with applicable provisions of State and Federal water pollution control laws.

Notice is hereby given that a request has been filed with the Department of Ecology, pursuant to the requirements of Section 307© of the Federal Coastal Zone Management Act of 1972 (16 U.S.C. 1451), to certify that the above referenced project 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 on either or both (1) compliance with water pollution control laws or (2) 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