



US Army Corps
of Engineers
Seattle District



Joint Public Notice

Application for a Department of the Army Permit and a Washington Department of Ecology Water Quality Certification and/or Coastal Zone Management Consistency Concurrence

US Army Corps of Engineers

Regulatory Branch
Post Office Box 3755
Seattle, WA 98124-3755
Telephone: (206) 316-3893
ATTN: Ron Wilcox,
Project Manager

WA Department of Ecology

SEA Program
Post Office Box 47600
Olympia, WA 98504-7600
Telephone: (360) 407-6068
ATTN: SEA Program,
Federal Permit Coordinator

Public Notice Date: December 18, 2013

Expiration Date: January 17, 2014

Reference No.: NWS-2013-922

Name: BNSF Railway Company

Interested parties are hereby notified that the U.S. Army Corps of Engineers (Corps) and the Washington Department of Ecology (Ecology) have received an application to perform work in waters of the United States as described below and shown on the enclosed drawings dated August 2013.

The Corps will review the work in accordance with Section 404 of the Clean Water Act (CWA). Ecology will review the work pursuant to Section 401 of the CWA, with applicable provisions of State water pollution control laws and the Coastal Zone Management Act.

APPLICANT: BNSF Railway Company
Attention: Mr. Walter Smith
2454 Occidental Avenue South
Suite 2D
Seattle, Washington 98134
Telephone: (206) 625-6356

AGENT: Sound Transit
Attention: Ms. Ellie Ziegler
401 South Jackson Street
Seattle, Washington 98104-2826
Telephone: (206) 398-5135

LOCATION: The project is located within the existing BNSF Seattle-to-Tacoma Rail Corridor, from mile post 18.3 to mile post 23.8 at Auburn, Washington.

WORK: The proposed Easement 4 commuter rail service improvement project includes constructing a new main line track adjacent to existing tracks, high speed turnouts and access roads; rehabilitating existing tracks; utility relocation; and upgrading and installing new signal facilities. The project would permanently impact a total of 2.84 acres of palustrine emergent (PEM) and palustrine scrub/shrub (PSS) wetlands. Up to 3.06 acres of temporary impacts would also occur to the PEM and PSS wetlands for rail construction, equipment access, and construction material staging. Up to 23,000 cubic yards of fill material would be placed in the wetlands. The project would also extend two culverts (north culvert, 36-inch diameter corrugated metal pipe (CMP) extended 18 feet; south culvert,

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48-inch diameter CMP extended 23 feet); and replace one damaged 48-inch diameter by 41-foot long CMP culvert with a new 48-inch diameter by 51-foot long, located approximately 10 to 20 feet west of the existing culvert.

PURPOSE: Improve commuter rail transportation service.

ADDITIONAL INFORMATION: Sound Transit (ST) is proposing to purchase Easement 4 from BNSF Railway Company (BNSF) that will allow ST to operate one additional daily round trip commuter rail train in the Seattle-to-Tacoma Rail Corridor. This commuter rail easement gives ST the right to use the BNSF right-of-way for a train trip from Tacoma to Seattle during the morning commute and another trip from Seattle to Tacoma during the evening commute. As part of the easement agreement between BNSF and ST, a geographically-discrete set of required track improvements has been linked to the easement purchase. The track improvements associated with Easement 4 extend within the City of Auburn from approximately 49th Street Northwest to approximately 5th Street North.

The Easement 4 project area consists of a combination of excavated open channel wetlands and compacted fill material associated with the railroad embankment. The land adjacent to the BNSF railroad tracks in this area is highly disturbed as a result of industrial, commercial and roadway development, and past railroad activities and construction. The dominant vegetation along the railroad is primarily invasive species such as Himalayan blackberry and reed canarygrass. Other vegetation found in the wetlands includes red-osier dogwood, creeping buttercup, common cattail, soft rush, willows, and hardhack; trees are largely absent from the project area. A total of seven wetlands would be impacted (see project drawings) and were rated with the following categories (Cat): Wetland C, Cat III; Wetland D, Cat IV; Wetland E, Cat III; Wetland F, Cat III; Wetland G, Cat IV; Wetland H, Cat IV; and Wetland I, Cat IV. The north culvert extension would occur in Hill Creek Tributary North; the south culvert extension would occur in Hill Creek Tributary South; the culvert abandonment and replacement would occur at a different location in the Hill Creek Tributary South.

Copies of this public notice which have been mailed or otherwise physically distributed feature project drawings in black and white. The electronic version features a color drawing, which we think more accurately communicates the scope of project impacts. To access the electronic version of this public notice, go to the Seattle District's web page at <http://www.nws.usace.army.mil/> and under the heading Open Public Comment Periods select Regulatory Public Notices. Recently-issued public notices are listed in chronological order of the date of issuance. Select and view the listing for this project.]

The wetland boundaries and/or location of the ordinary high water mark shown on the project drawings have not yet been verified by the Corps. If the Corps determines the boundaries of the wetland/waters are substantially inaccurate a new public notice may be published.

MITIGATION: Permanent and temporary impacts to wetlands will be mitigated through purchase of credits from the King County Mitigation Reserves Program (KCMRP), an in-lieu fee program. Impacts to the Hill Creek Tributaries North and South will also be mitigated through purchase of mitigation credits from the KCMRP. Permanent impacts to Wetland F will be mitigated on site through the relocation of the wetland ditch adjacent to the existing wetland.

ENDANGERED SPECIES: The Endangered Species Act (ESA) requires federal agencies to consult with the National Marine Fisheries Service (NMFS) and/or U.S. Fish and Wildlife Service (USFWS) pursuant to Section 7 of the ESA on all actions that may affect a species listed (or proposed for listing) under the ESA as threatened or endangered or any designated critical habitat.

The Federal Transit Administration (FTA), as the lead agency for ESA consultation, has consulted with the NMFS and the USFWS as required under Section 7 of the ESA. They have determined that the proposed project may

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affect, but is not likely to adversely affect bull trout, Puget Sound Chinook salmon, and Puget Sound Steelhead. There is no designated critical habitat in the vicinity of the proposed project. The NMFS issued concurrence on December 6, 2011; the USFWS issued concurrence on March 5, 2012.

ESSENTIAL FISH HABITAT: The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996, requires all Federal agencies to consult with the NMFS on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH).

The FTA, as the lead agency for a determination regarding EFH, has determined that the project will not adversely affect EFH species.

CULTURAL RESOURCES: The FTA, as the lead agency for determining compliance with Section 106 of the National Historic Preservation Act, has consulted with the State Historic Preservation Officer (SHPO) and Native American Tribes as appropriate. The SHPO concurred with the FTA determination of no adverse affect on April 19, 2012.

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 – CORPS: The decision whether to issue a permit will be based on an evaluation of the probable impacts, 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 Corps is soliciting comments from the public; Native American Nations or tribal governments; Federal, 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 described discharge will be evaluated for compliance with guidelines promulgated by the Environmental Protection Agency under authority of Section 404(b)(1) of the CWA. These guidelines require an alternatives analysis for any proposed discharge of dredged or fill material into waters of the U.S.

SOURCE OF FILL MATERIAL: The applicant has not yet identified the source of the fill material. Should a permit be issued, the Corps will evaluate the fill material source prior to the start of construction.

EVALUATION – ECOLOGY: Ecology 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.

NWS-2013-922, BNSF Railway Company

Ecology will be considering all comments to determine whether to certify or deny certification for the proposed project.

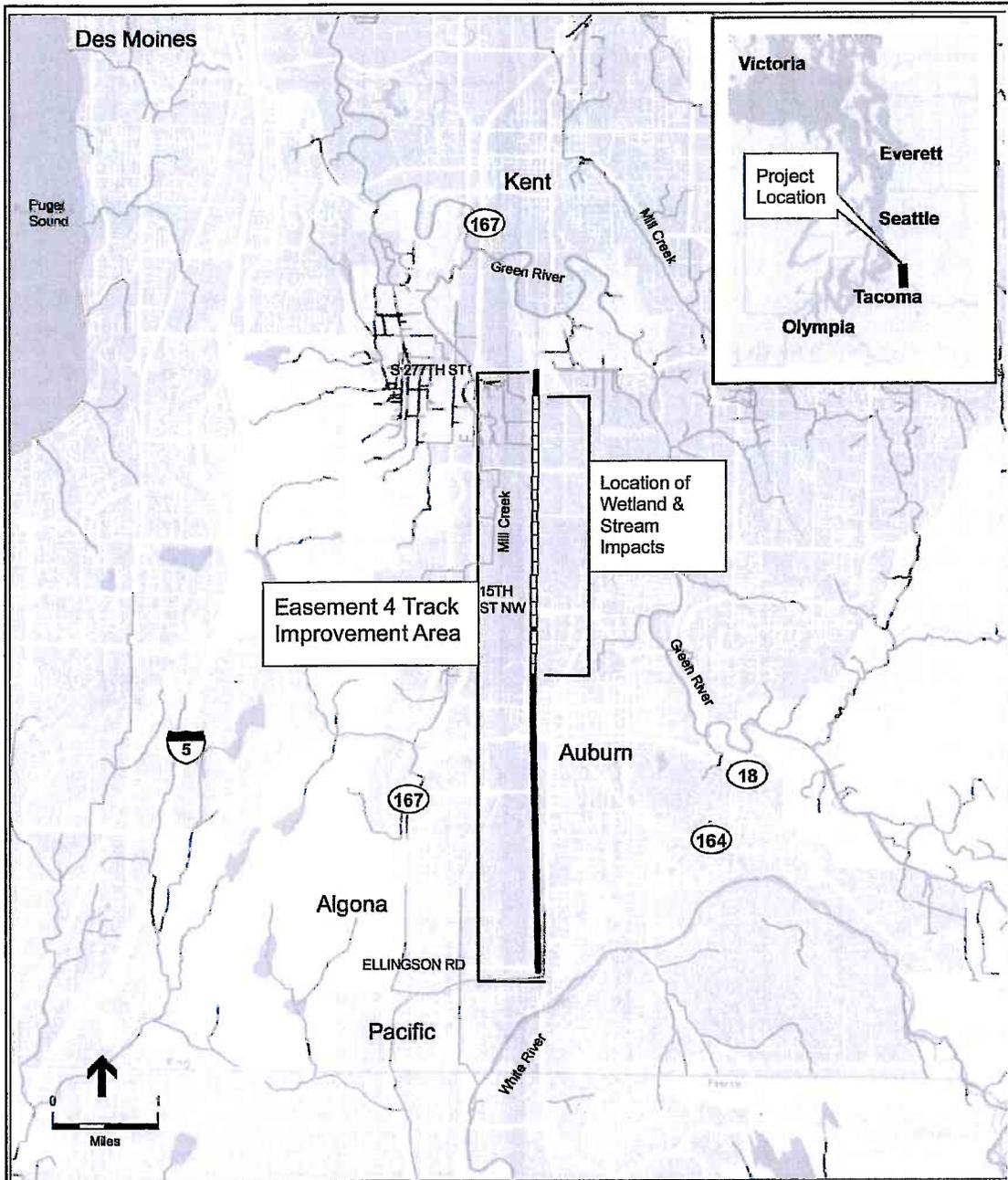
COMMENT AND REVIEW PERIOD: Conventional mail or e-mail comments on this public notice will be accepted and made part of the record and will be considered in determining whether it would be in the public interest to authorize this proposal. In order to be accepted, e-mail comments must originate from 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. Either conventional mail or e-mail comments must include the permit applicant's name and reference number, as shown below, and the commentator'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.

CORPS COMMENTS: All e-mail comments should be sent to ronald.j.wilcox@usace.army.mil. Conventional mail comments should be sent to: U.S. Army Corps of Engineers, Regulatory Branch, Attention: Mr. Ron Wilcox, P.O. Box 3755, Seattle, Washington 98124-3755. All comments received will become part of the administrative record and are subject to public release under the Freedom of Information Act including any personally identifiable information such as names, phone numbers, and addresses.

ECOLOGY COMMENTS: Any person desiring to present views on the project pertaining to a request for water quality certification under Section 401 of the CWA and/or Coastal Zone Management consistency concurrence, may do so by submitting written comments to the following address: Washington State Department of Ecology, Attention: Federal Permit Coordinator, P.O. Box 47600, Olympia, Washington 98504-7600, or e-mail to ecyrefedpermits@ecy.wa.gov.

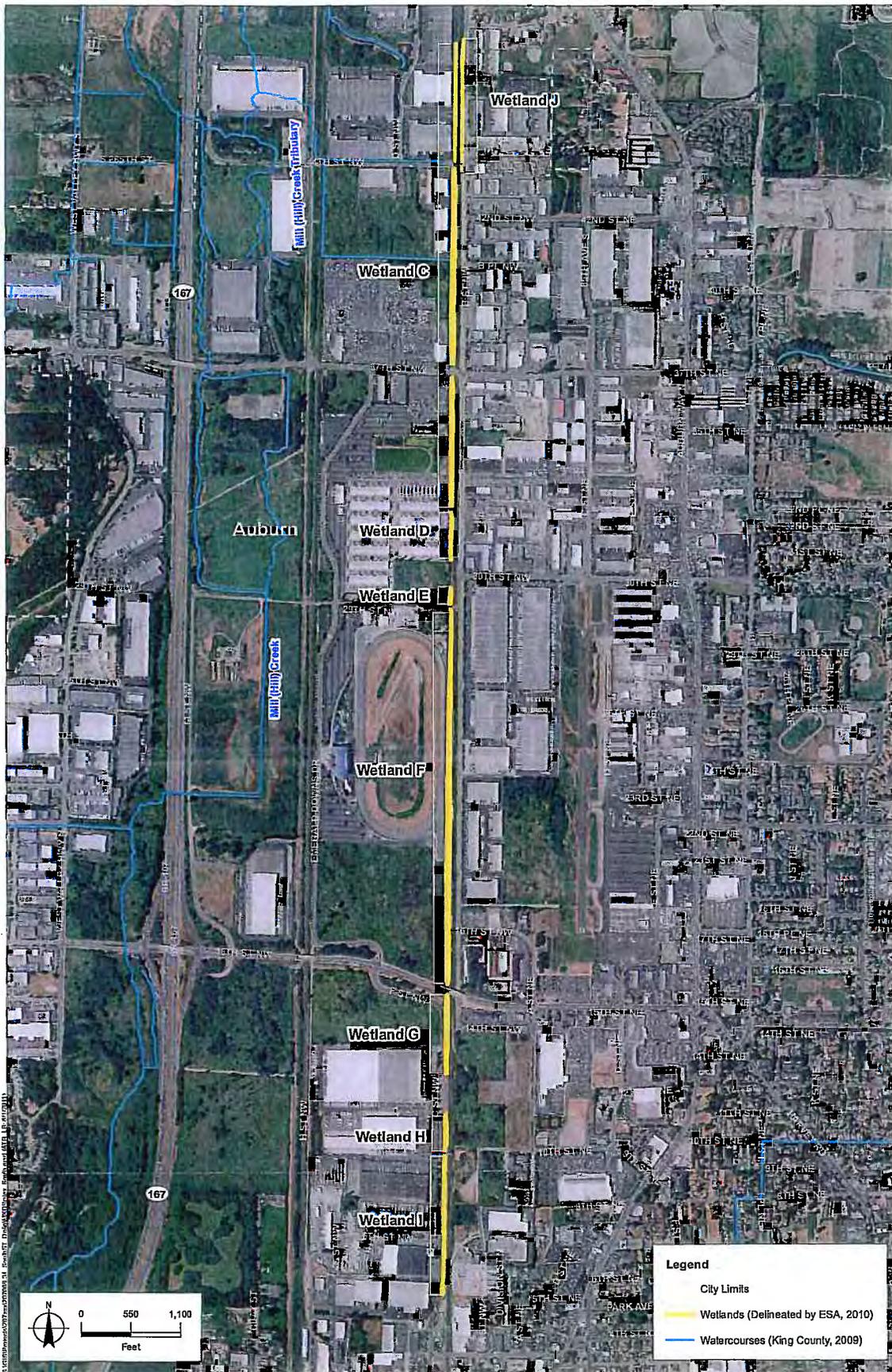
To ensure proper consideration of all comments, responders must include the following name and reference number in the text of their comments: BNSF Railway Company; NWS-2013-922

Encl: Figures (1-30)



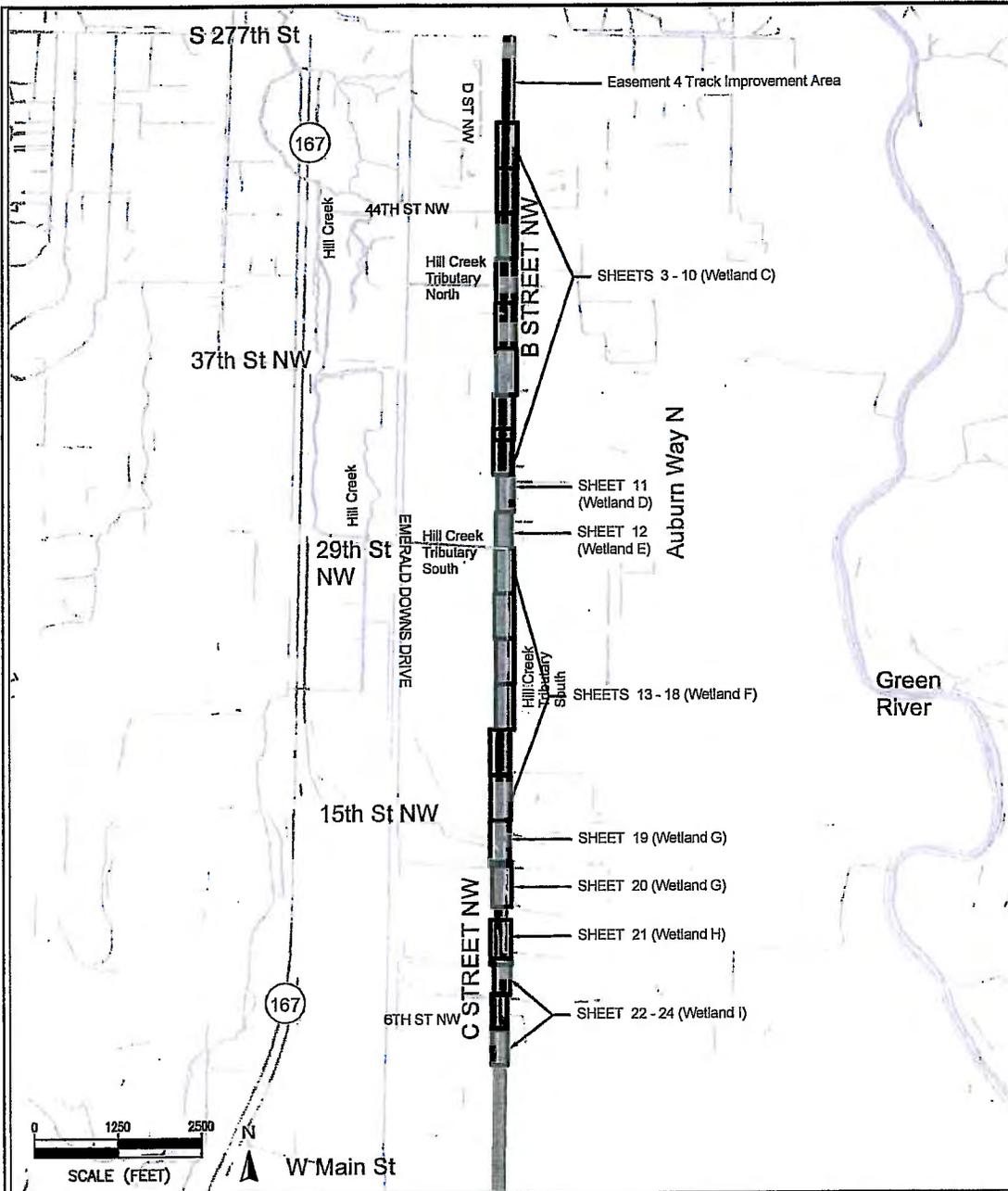
<p>PURPOSE: To provide capacity for additional commuter and interstate rail service.</p> <p>HOR. DATUM: NAD83 WA STATE PLANE NORTH</p> <p>VER. DATUM: NAVD88</p> <p>ADJACENT PROPERTY OWNERS: 1. SEE JARPA FORM</p>	<p>VICINITY MAP</p> <p>NAME: SEATTLE TO TACOMA SOUNDER COMMUTER RAIL EASEMENTS AND IMPROVEMENTS (EASEMENT 4)</p> <p>REFERENCE #:</p> <p>SITE LOCATION ADDRESS: Project is located within the existing BNSF Seattle-to-Tacoma Rail Corridor, between the cities of Kent and Auburn, Washington</p>	<p>PROPOSED: Adding track; track rehabilitation; new high-speed turnouts; updates to and construction of new signal facilities; and widening two crossings by constructing new bridges.</p> <p>IN: TOWNSHIP RANGE SECTIONS T21N R4E S1, S12, S13, S24, S25; T22N R4E S36</p> <p>COUNTY: King STATE: WA</p> <p>SHEET: 1 of 30</p> <p>DATE: August 2013</p>
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NWS-2013-922



SOURCE: ESA Adolfsen, 2010 (Wetlands); King County, 2009; NAIP (USDA), 2009 (Aerial)

EASEMENT 4 VICINTY MAP
 Corps # NWS-2013-922
 August 2013
 Sheet 1b of 30



PURPOSE: To provide capacity for additional commuter and interstate rail service.

HOR. DATUM:
NAD83 WA STATE PLANE NORTH
VER. DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
1. SEE JARPA FORM

EASEMENT 4 TRACK IMPROVEMENTS INDEX MAP

NAME: SEATTLE TO TACOMA SOUNDER
COMMUTER RAIL EASEMENTS AND
IMPROVEMENTS (EASEMENT 4)

REFERENCE #:

SITE LOCATION ADDRESS:

Project is located within the existing BNSF Seattle-to-Tacoma Rail Corridor, between the cities of Kent and Auburn, Washington

PROPOSED: Adding track; track rehabilitation; new high-speed turnouts; updates to and construction of new signal facilities; and widening two crossings by constructing new bridges.

IN: TOWNSHIP RANGE SECTIONS
T21N R4E S1, S12, S13, S24, S25;
T22N R4E S36

COUNTY: King **STATE:** WA

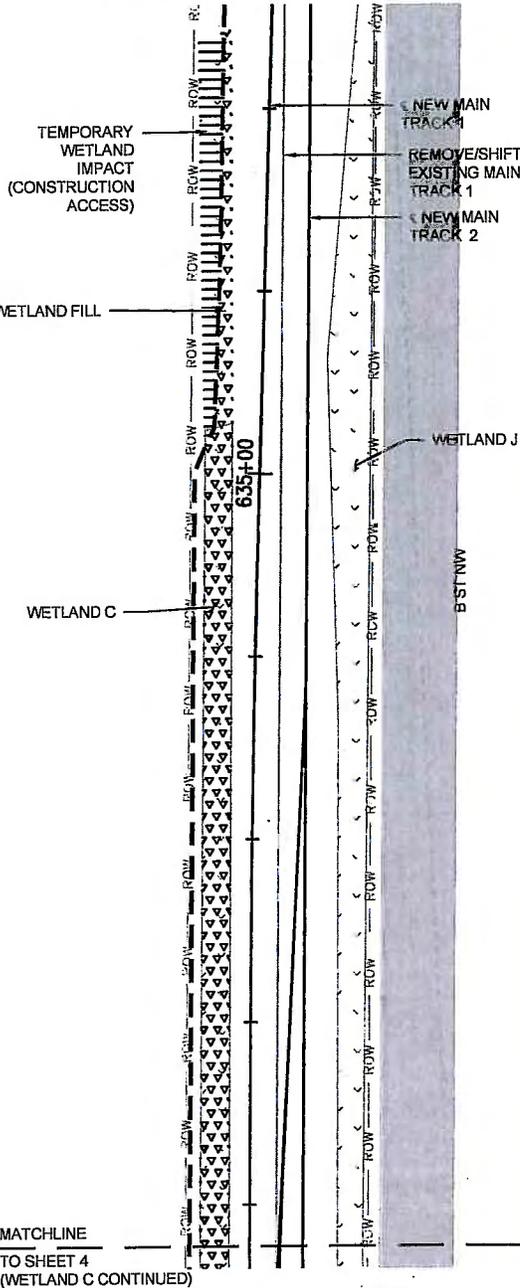
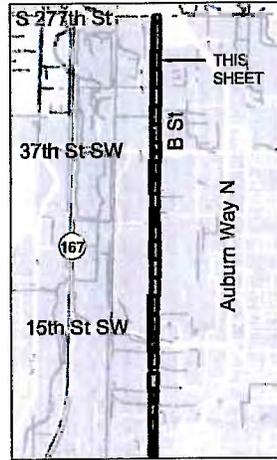
SHEET: 2 of 30

DATE: August 2013

NW3-2013-922

WETLAND C

EASEMENT 4 TRACK IMPROVEMENT AREA



WETLAND NAME	PERMANENT IMPACTS*	TEMPORARY IMPACTS*
WETLAND C	1.38 ACRES	1.10 ACRES

* VALUES REPRESENT IMPACTS TO ENTIRE WETLAND AREA, NOT JUST AREA SHOWN ON THIS SHEET.

KEY

- GRADING LIMIT
- STATION POINT
- EXISTING BNSF RIGHT-OF-WAY
- PROPOSED BNSF RIGHT-OF-WAY
- EXISTING TRACK
- PROPOSED TRACK
- WETLAND
- WETLAND FILL
- TEMPORARY WETLAND IMPACT (CONSTRUCTION ACCESS)

0 50 100 N
SCALE (FEET)

PURPOSE: To provide capacity for additional commuter and interstate rail service.

HOR. DATUM:
NAD83 WA STATE PLANE NORTH
VER. DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
1. SEE JARPA FORM

PERMANENT & TEMPORARY IMPACTS TO WETLANDS PLAN VIEW

NAME: SEATTLE TO TACOMA SOUNDER COMMUTER RAIL EASEMENTS AND IMPROVEMENTS (EASEMENT 4)

REFERENCE #:
SITE LOCATION ADDRESS:

Project is located within the existing BNSF Seattle-to-Tacoma Rail Corridor, between the cities of Kent and Auburn, Washington

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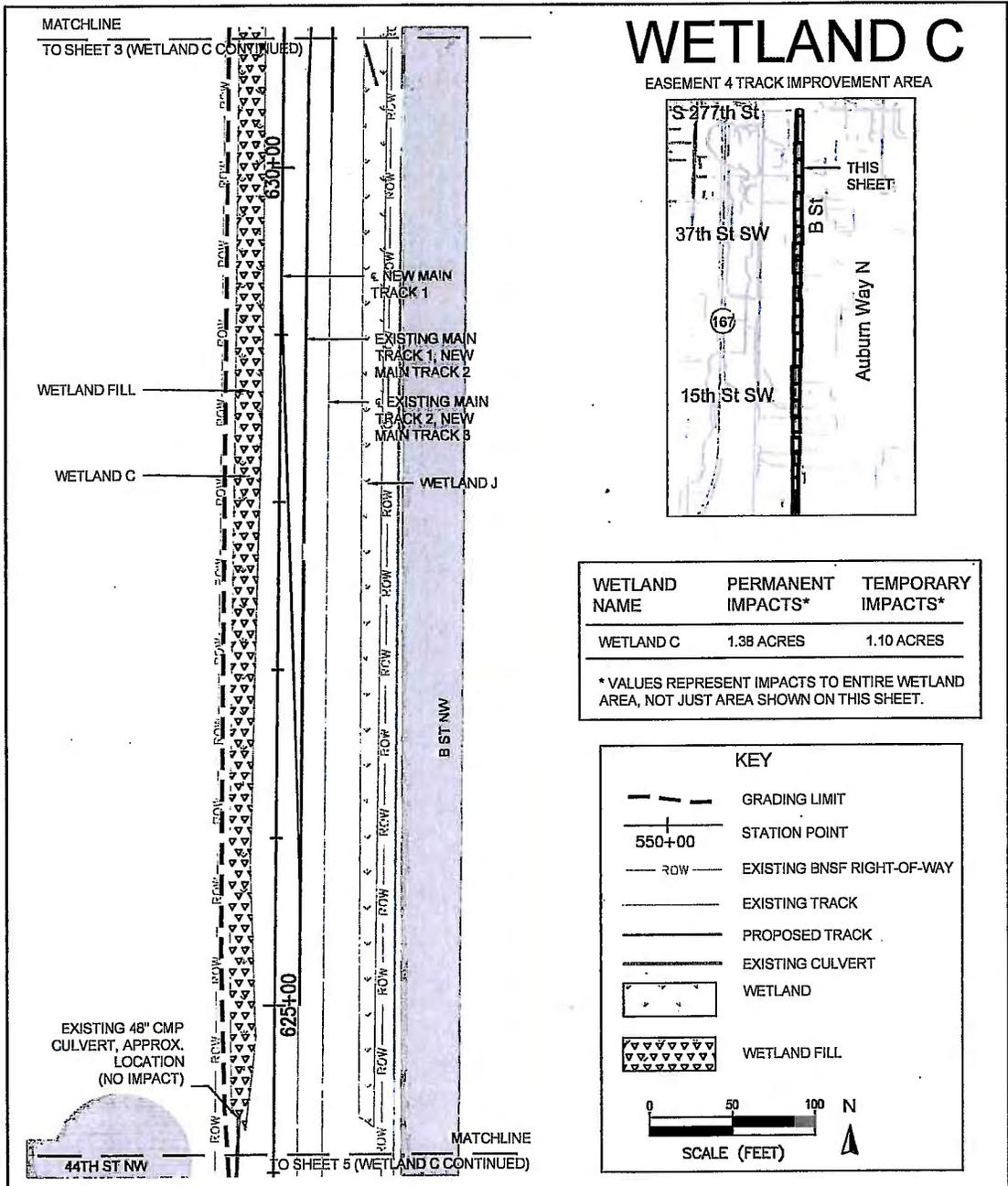
IN: TOWNSHIP RANGE SECTIONS
T21N R4E S1, S12, S13, S24, S25;
T22N R4E S36

COUNTY: King **STATE:** WA

SHEET: 3 of 30

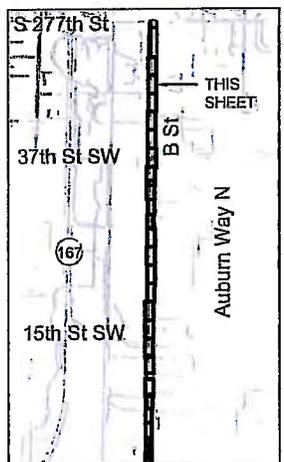
DATE: August 2013

NW5-2013-922



WETLAND C

EASEMENT 4 TRACK IMPROVEMENT AREA



WETLAND NAME	PERMANENT IMPACTS*	TEMPORARY IMPACTS*
WETLAND C	1.38 ACRES	1.10 ACRES

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KEY

- GRADING LIMIT
- STATION POINT
- EXISTING BNSF RIGHT-OF-WAY
- EXISTING TRACK
- PROPOSED TRACK
- EXISTING CULVERT
- WETLAND
- WETLAND FILL

0 50 100 N
SCALE (FEET)

PURPOSE: To provide capacity for additional commuter and interstate rail service.

HOR. DATUM: NAD83 WA STATE PLANE NORTH
VER. DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
1. SEE JARPA FORM

PERMANENT & TEMPORARY IMPACTS TO WETLANDS PLAN VIEW

NAME: SEATTLE TO TACOMA SOUNDER COMMUTER RAIL EASEMENTS AND IMPROVEMENTS (EASEMENT 4)
REFERENCE #:
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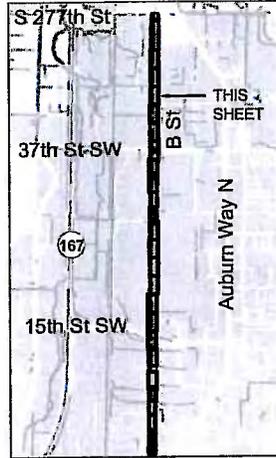
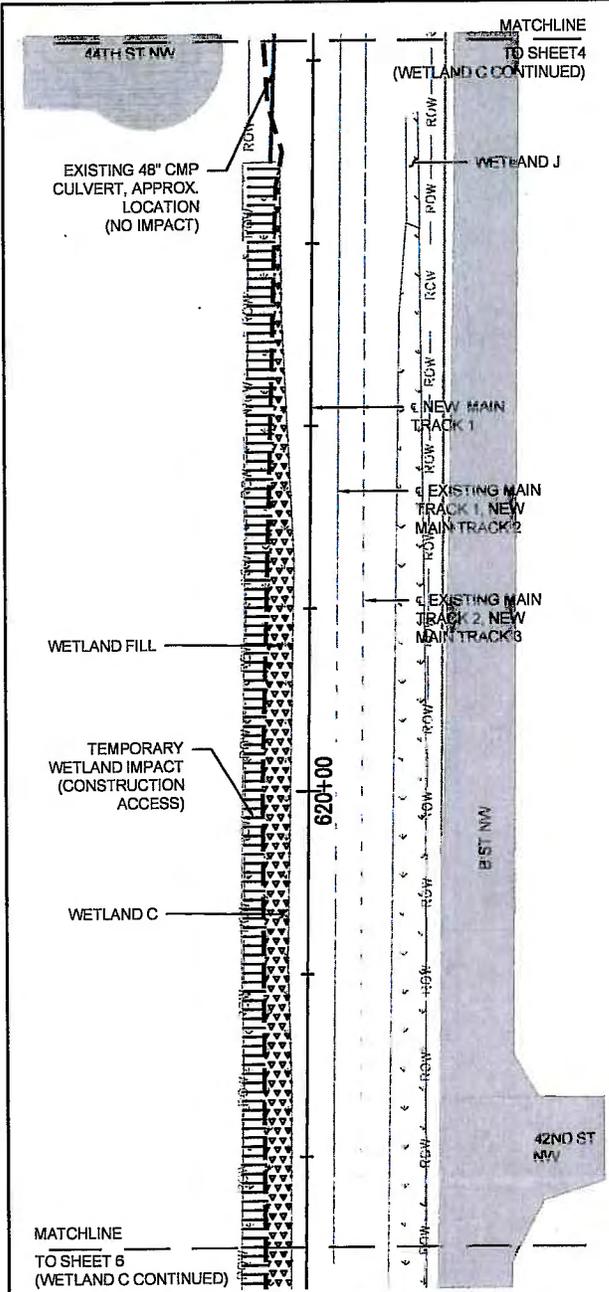
PROPOSED: Adding track; track rehabilitation; new high-speed turnouts; updates to and construction of new signal facilities; and widening two crossings by constructing new bridges.

IN: TOWNSHIP RANGE SECTIONS
T21N R4E S1, S12, S13, S24, S25;
T22N R4E S36
COUNTY: King **STATE:** WA
SHEET: 4 of 30
DATE: August 2013

NWS-2013-922

WETLAND C

EASEMENT 4 TRACK IMPROVEMENT AREA



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KEY

- GRADING LIMIT
- STATION POINT
- EXISTING BNSF RIGHT-OF-WAY
- EXISTING TRACK
- PROPOSED TRACK
- EXISTING CULVERT
- WETLAND FILL
- TEMPORARY WETLAND IMPACT (CONSTRUCTION ACCESS)
- WETLAND

0 50 100 N
SCALE (FEET)

PURPOSE: To provide capacity for additional commuter and interstate rail service.

HOR. DATUM:
NAD83 WA STATE PLANE NORTH

VER. DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
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PERMANENT & TEMPORARY IMPACTS TO WETLANDS PLAN VIEW

NAME: SEATTLE TO TACOMA SOUNDER COMMUTER RAIL EASEMENTS AND IMPROVEMENTS (EASEMENT 4)

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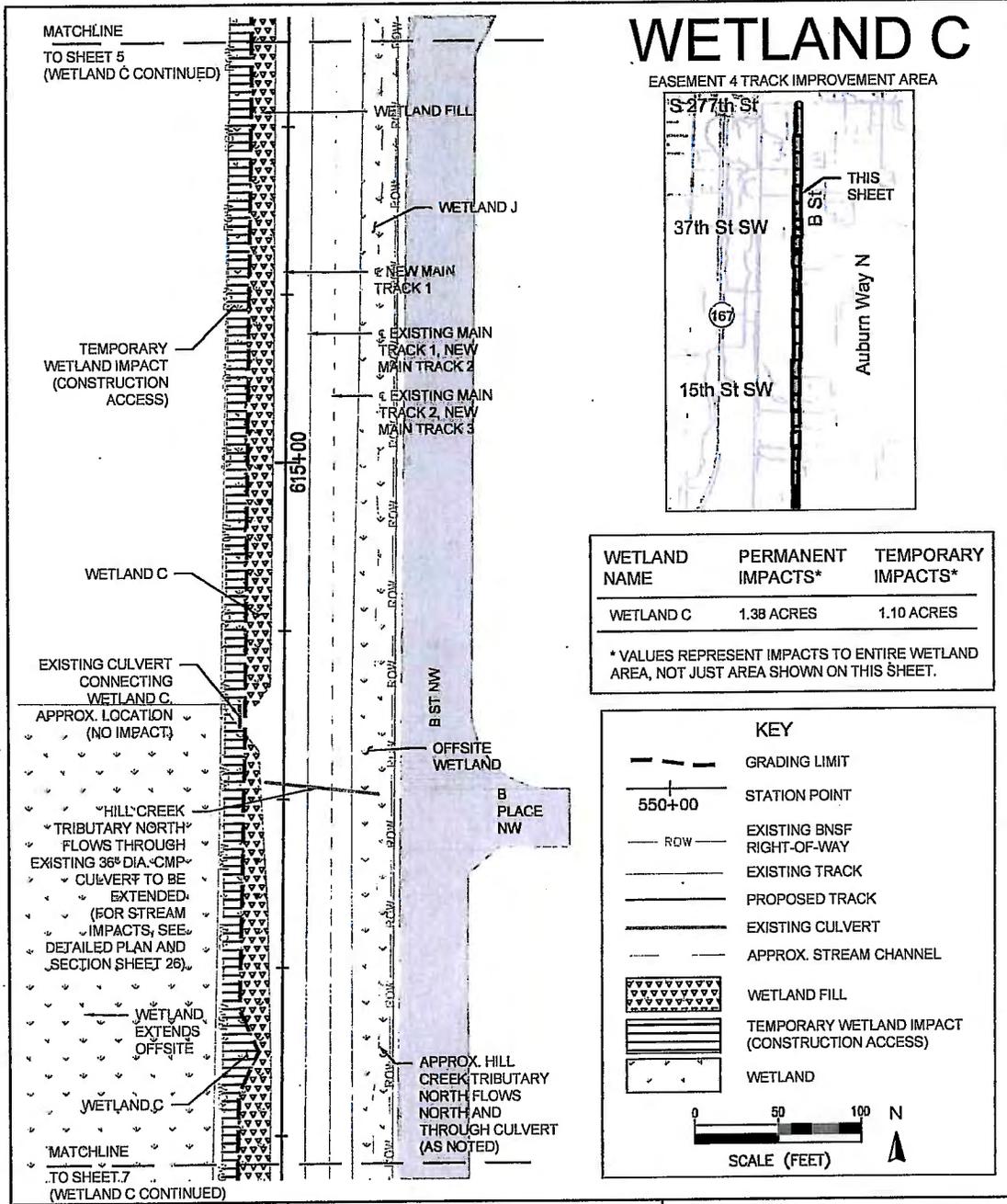
IN: TOWNSHIP RANGE SECTIONS
T21N R4E S1, S12, S13, S24, S25;
T22N R4E S36

COUNTY: King **STATE:** WA

SHEET: 5 of 30

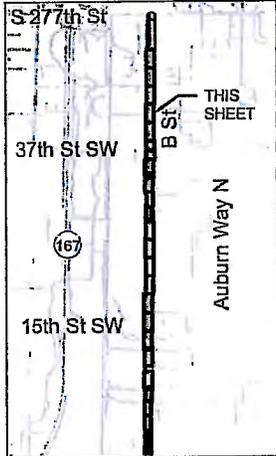
DATE: August 2013

NWS-2013-922



WETLAND C

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WETLAND C	1.38 ACRES	1.10 ACRES

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- STATION POINT
- EXISTING BNSF RIGHT-OF-WAY
- EXISTING TRACK
- PROPOSED TRACK
- EXISTING CULVERT
- APPROX. STREAM CHANNEL
- WETLAND FILL
- TEMPORARY WETLAND IMPACT (CONSTRUCTION ACCESS)
- WETLAND

550+00

0 50 100 N
SCALE (FEET)

PURPOSE: To provide capacity for additional commuter and interstate rail service.

HOR. DATUM: NAD83 WA STATE PLANE NORTH
VER. DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
1. SEE JARPA FORM

PERMANENT & TEMPORARY IMPACTS TO WETLANDS PLAN VIEW

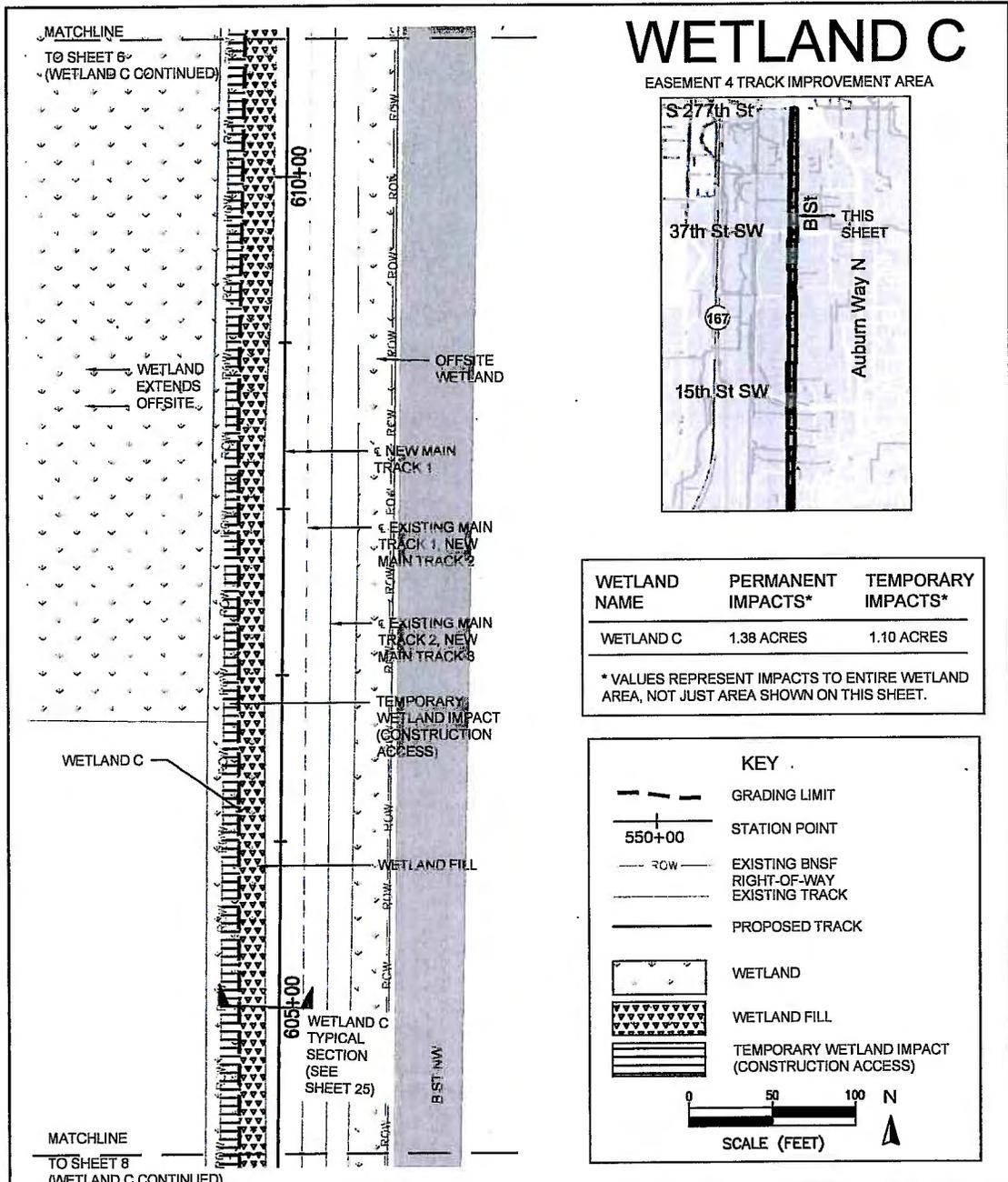
NAME: SEATTLE TO TACOMA SOUNDER COMMUTER RAIL EASEMENTS AND IMPROVEMENTS (EASEMENT 4)
REFERENCE #:
SITE LOCATION ADDRESS:
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PROPOSED: Adding track; track rehabilitation; new high-speed turnouts; updates to and construction of new signal facilities; and widening two crossings by constructing new bridges.

IN: TOWNSHIP RANGE SECTIONS
T21N R4E S1, S12, S13, S24, S25;
T22N R4E S36

COUNTY: King **STATE:** WA
SHEET: 6 of 30
DATE: August 2013

NW 5-2013-922



PURPOSE: To provide capacity for additional commuter and interstate rail service.

HOR. DATUM: NAD83 WA STATE PLANE NORTH

VER. DATUM: NAVD88

ADJACENT PROPERTY OWNERS: 1. SEE JARPA FORM

PERMANENT & TEMPORARY IMPACTS TO WETLANDS PLAN VIEW

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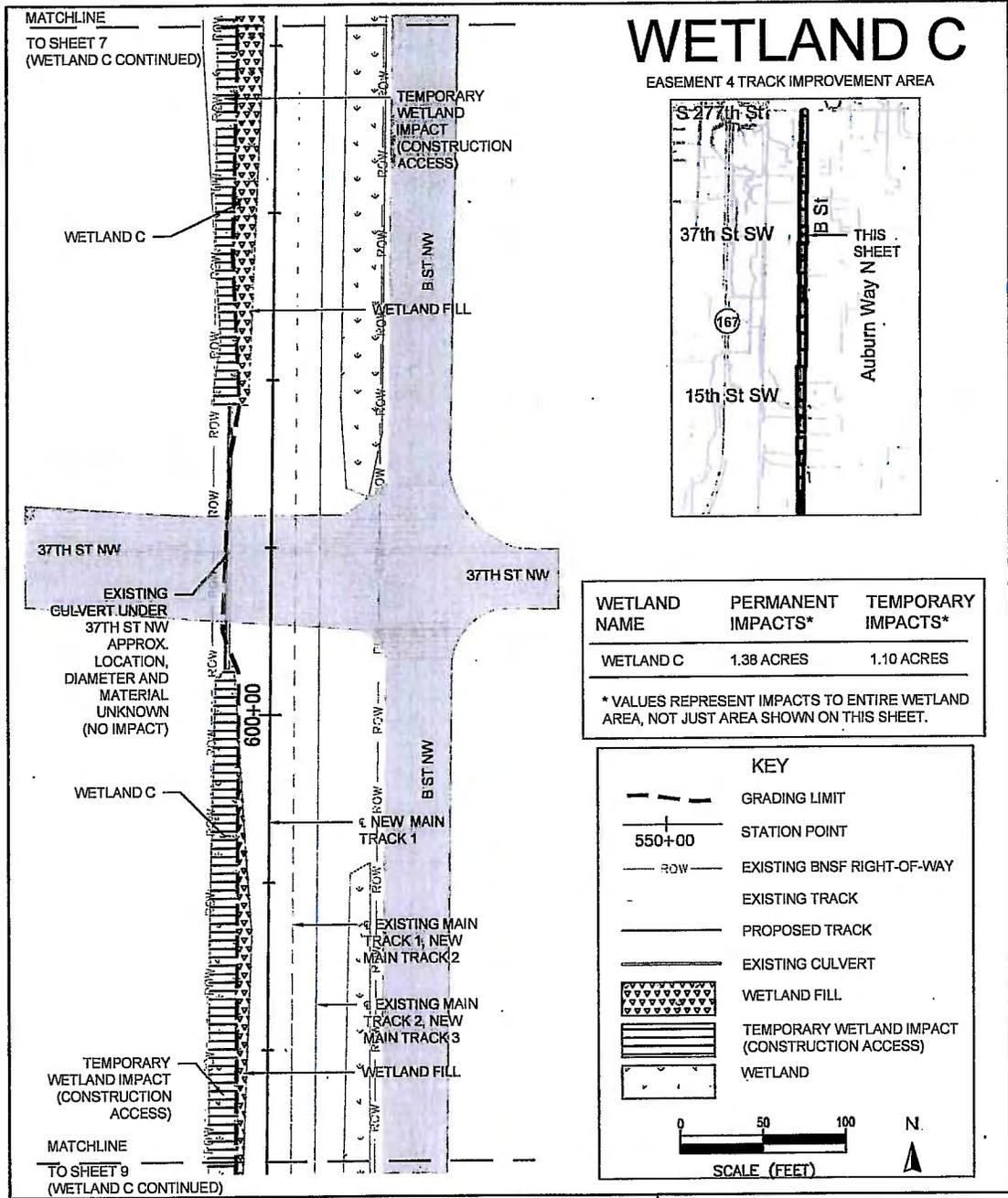
IN: TOWNSHIP RANGE SECTIONS
T21N R4E S1, S12, S13, S24, S25;
T22N R4E S36

COUNTY: King **STATE:** WA

SHEET: 7 of 30

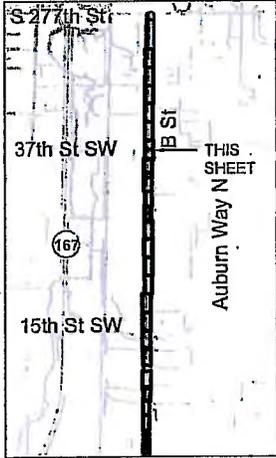
DATE: August 2013

NWS-2013-922



WETLAND C

EASEMENT 4 TRACK IMPROVEMENT AREA



WETLAND NAME	PERMANENT IMPACTS*	TEMPORARY IMPACTS*
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KEY

- GRADING LIMIT
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- EXISTING BNSF RIGHT-OF-WAY
- EXISTING TRACK
- PROPOSED TRACK
- EXISTING CULVERT
- WETLAND FILL
- TEMPORARY WETLAND IMPACT (CONSTRUCTION ACCESS)
- WETLAND

0 50 100 N
SCALE (FEET)

PURPOSE: To provide capacity for additional commuter and interstate rail service.

HOR. DATUM: NAD83 WA STATE PLANE NORTH
VER. DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
1. SEE JARPA FORM

PERMANENT & TEMPORARY IMPACTS TO WETLANDS PLAN VIEW

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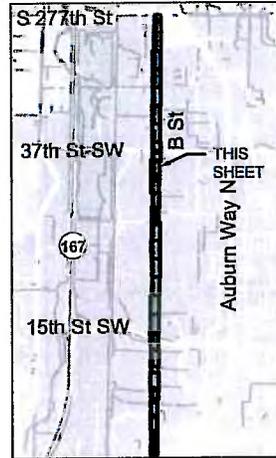
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IN: TOWNSHIP RANGE SECTIONS
T21N R4E S1, S12, S13, S24, S25;
T22N R4E S36
COUNTY: King **STATE:** WA
SHEET: 8 of 30
DATE: August 2013

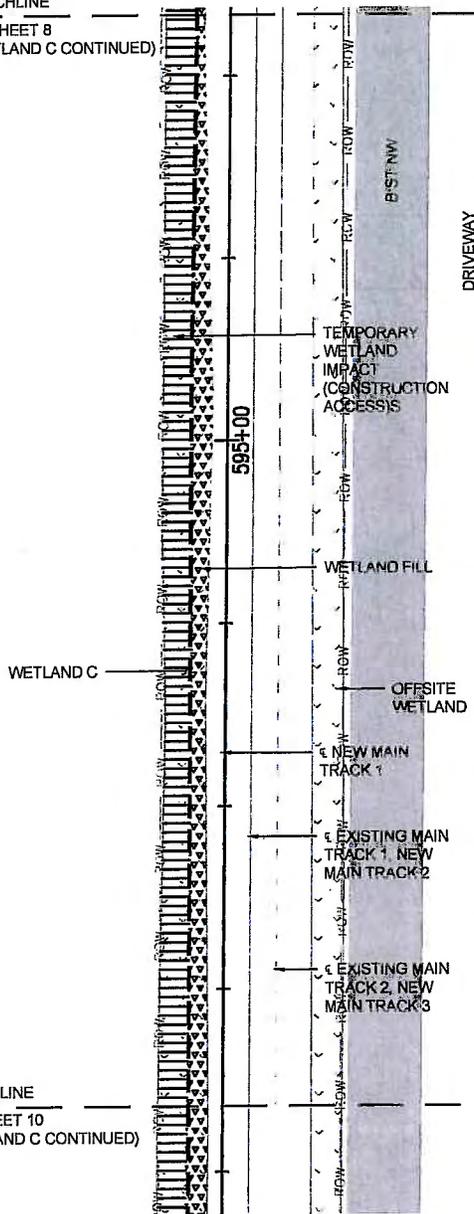
NW3-2013-922

WETLAND C

EASEMENT 4 TRACK IMPROVEMENT AREA



MATCHLINE
TO SHEET 8
(WETLAND C CONTINUED)



MATCHLINE
TO SHEET 10
(WETLAND C CONTINUED)

WETLAND NAME	PERMANENT IMPACTS*	TEMPORARY IMPACTS*
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- PROPOSED TRACK
- WETLAND FILL
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PERMANENT & TEMPORARY IMPACTS TO WETLANDS PLAN VIEW

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IN: TOWNSHIP RANGE SECTIONS
T21N R4E S1, S12, S13, S24, S25;
T22N R4E S36

COUNTY: King **STATE:** WA

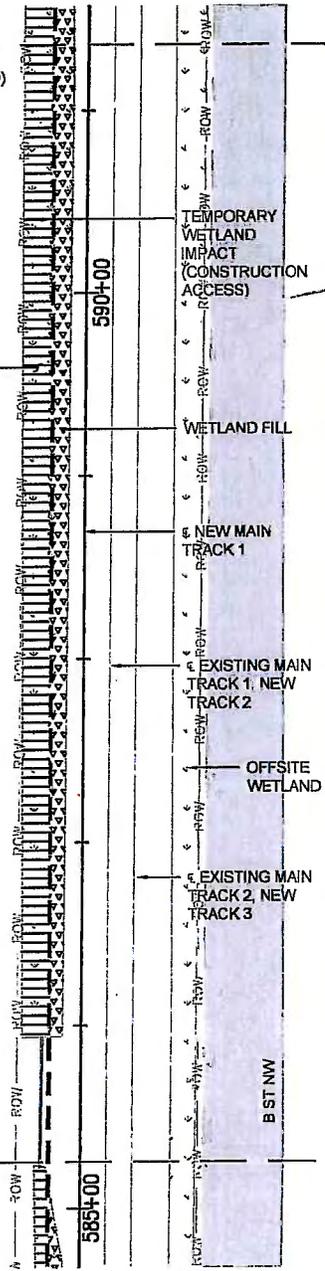
SHEET: 9 of 30

DATE: August 2013

NWS-2013-922

MATCHLINE
TO SHEET 9
(WETLAND C CONTINUED)

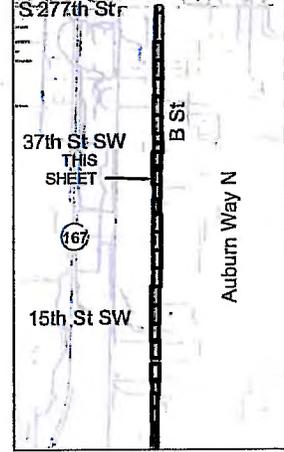
WETLAND C



MATCHLINE
TO SHEET 11
(WETLAND D)

WETLAND C

EASEMENT 4 TRACK IMPROVEMENT AREA



WETLAND NAME	PERMANENT IMPACTS*	TEMPORARY IMPACTS*
WETLAND C	1.38 ACRES	1.10 ACRES

* VALUES REPRESENT IMPACTS TO ENTIRE WETLAND AREA, NOT JUST AREA SHOWN ON THIS SHEET.

KEY

- GRADING LIMIT
- STATION POINT
- EXISTING BNSF RIGHT-OF-WAY EXISTING TRACK
- PROPOSED TRACK
- WETLAND FILL
- TEMPORARY WETLAND IMPACT (CONSTRUCTION ACCESS)
- WETLAND

550+00

0 50 100 N
SCALE (FEET)

PURPOSE: To provide capacity for additional commuter and interstate rail service.

HOR. DATUM:
NAD83 WA STATE PLANE NORTH

VER. DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
1. SEE JARPA FORM

PERMANENT & TEMPORARY IMPACTS TO WETLANDS PLAN VIEW

NAME: SEATTLE TO TACOMA SOUNDER COMMUTER RAIL EASEMENTS AND IMPROVEMENTS (EASEMENT 4)

REFERENCE #:

SITE LOCATION ADDRESS:
Project is located within the existing BNSF Seattle-to-Tacoma Rail Corridor, between the cities of Kent and Auburn, Washington

PROPOSED: Adding track; track rehabilitation; new high-speed turnouts; updates to and construction of new signal facilities; and widening two crossings by constructing new bridges.

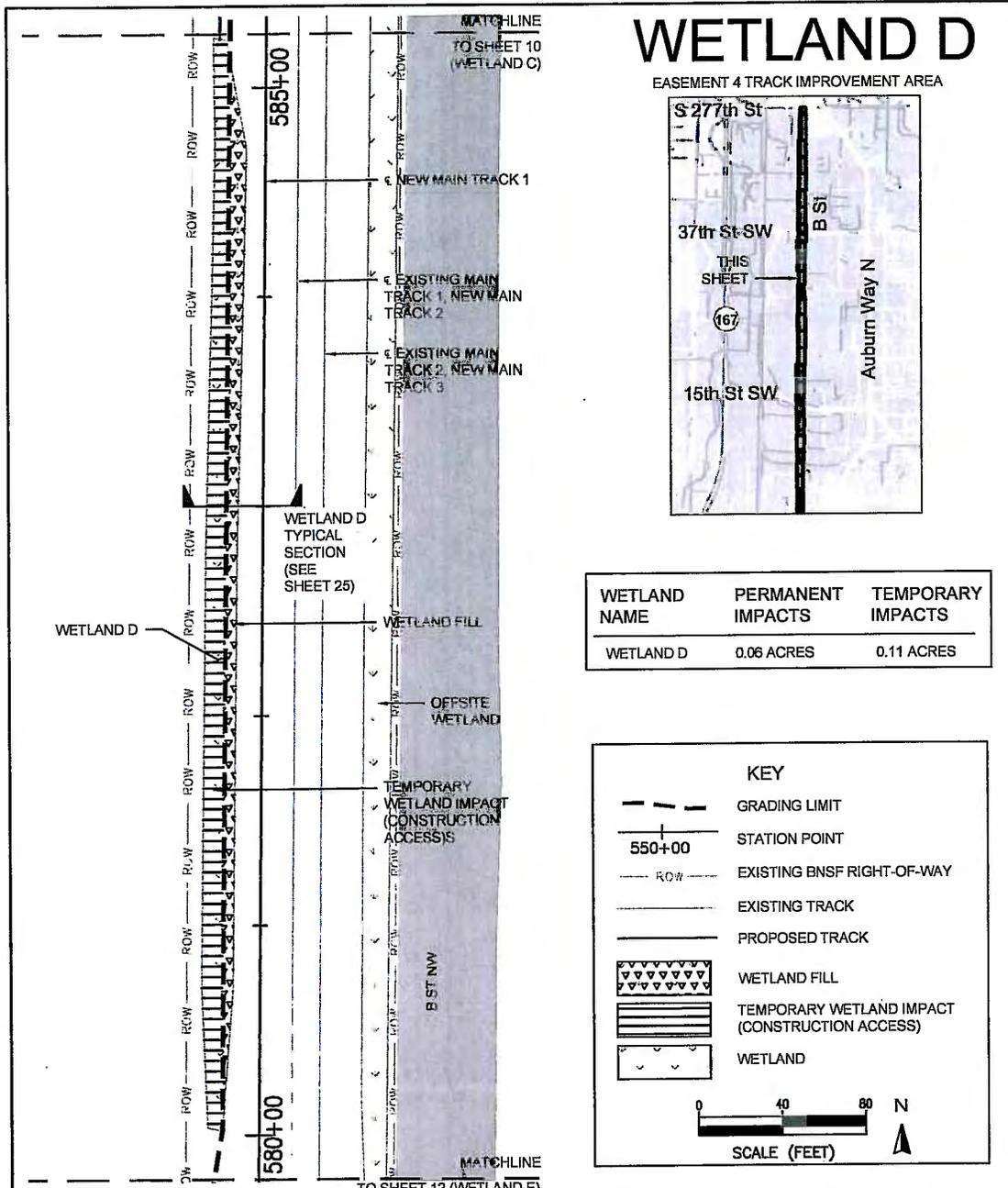
IN: TOWNSHIP RANGE SECTIONS
T21N R4E S1, S12, S13, S24, S25;
T22N R4E S36

COUNTY: King **STATE:** WA

SHEET: 10 of 30

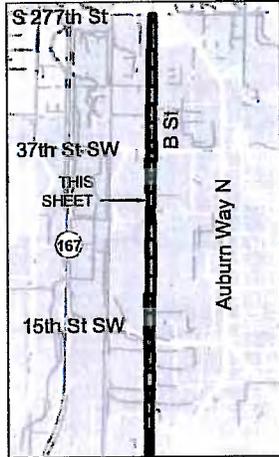
DATE: August 2013

NW 2013-922



WETLAND D

EASEMENT 4 TRACK IMPROVEMENT AREA



WETLAND NAME	PERMANENT IMPACTS	TEMPORARY IMPACTS
WETLAND D	0.06 ACRES	0.11 ACRES

KEY

- GRADING LIMIT
- STATION POINT
- EXISTING BNSF RIGHT-OF-WAY
- EXISTING TRACK
- PROPOSED TRACK
- WETLAND FILL
- TEMPORARY WETLAND IMPACT (CONSTRUCTION ACCESS)
- WETLAND

0 40 80 N
SCALE (FEET)

PURPOSE: To provide capacity for additional commuter and interstate rail service.

HOR. DATUM:
NAD83 WA STATE PLANE NORTH

VER. DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
1. SEE JARPA FORM

PERMANENT & TEMPORARY IMPACTS TO WETLANDS PLAN VIEW

NAME: SEATTLE TO TACOMA SOUNDER COMMUTER RAIL EASEMENTS AND IMPROVEMENTS (EASEMENT 4)

REFERENCE #:

SITE LOCATION ADDRESS:
Project is located within the existing BNSF Seattle-to-Tacoma Rail Corridor, between the cities of Kent and Auburn, Washington

PROPOSED: Adding track; track rehabilitation; new high-speed turnouts; updates to and construction of new signal facilities; and widening two crossings by constructing new bridges.

IN: TOWNSHIP RANGE SECTIONS
T21N R4E S1, S12, S13, S24, S25;
T22N R4E S36

COUNTY: King **STATE:** WA

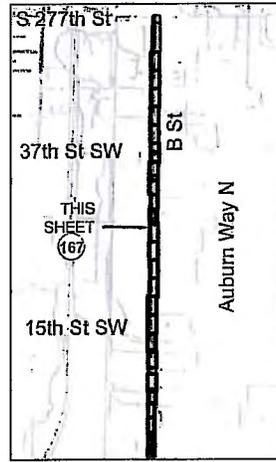
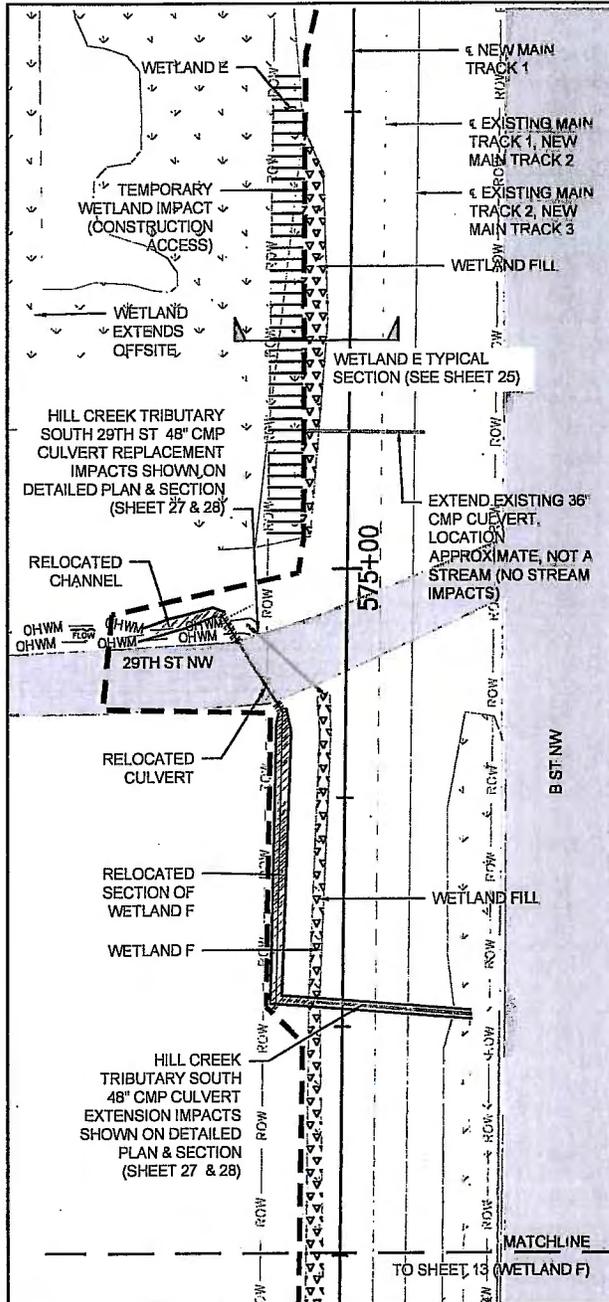
SHEET: 11 of 30

DATE: August 2013

NWS-2013-922

WETLAND E & F

EASEMENT 4 TRACK IMPROVEMENT AREA



WETLAND NAME	PERMANENT IMPACTS*	TEMPORARY IMPACTS*
WETLAND E	0.03 ACRES	0.07 ACRES
WETLAND F	1.08 ACRES	1.27 ACRES

* VALUES REPRESENT IMPACTS TO ENTIRE WETLAND AREA, NOT JUST AREA SHOWN ON THIS SHEET.

KEY

- GRADING LIMIT
- STATION POINT
- EXISTING BNSF RIGHT-OF-WAY
- EXISTING TRACK
- PROPOSED TRACK
- ORDINARY HIGH WATER MARK
- EXISTING CULVERT
- APPROX. STREAM CHANNEL
- WETLAND FILL
- TEMPORARY WETLAND IMPACT (CONSTRUCTION ACCESS)
- WETLAND
- RELOCATED SECTION OF WETLAND F

0 40 80 N
SCALE (FEET)

PURPOSE: To provide capacity for additional commuter and interstate rail service.

HOR. DATUM: NAD83 WA STATE PLANE NORTH
VER. DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
1. SEE JARPA FORM

PERMANENT & TEMPORARY IMPACTS TO WETLANDS PLAN VIEW

NAME: SEATTLE TO TACOMA SOUNDER COMMUTER RAIL EASEMENTS AND IMPROVEMENTS (EASEMENT 4)
REFERENCE #:
SITE LOCATION ADDRESS:
Project is located within the existing BNSF Seattle-to-Tacoma Rail Corridor, between the cities of Kent and Auburn, Washington

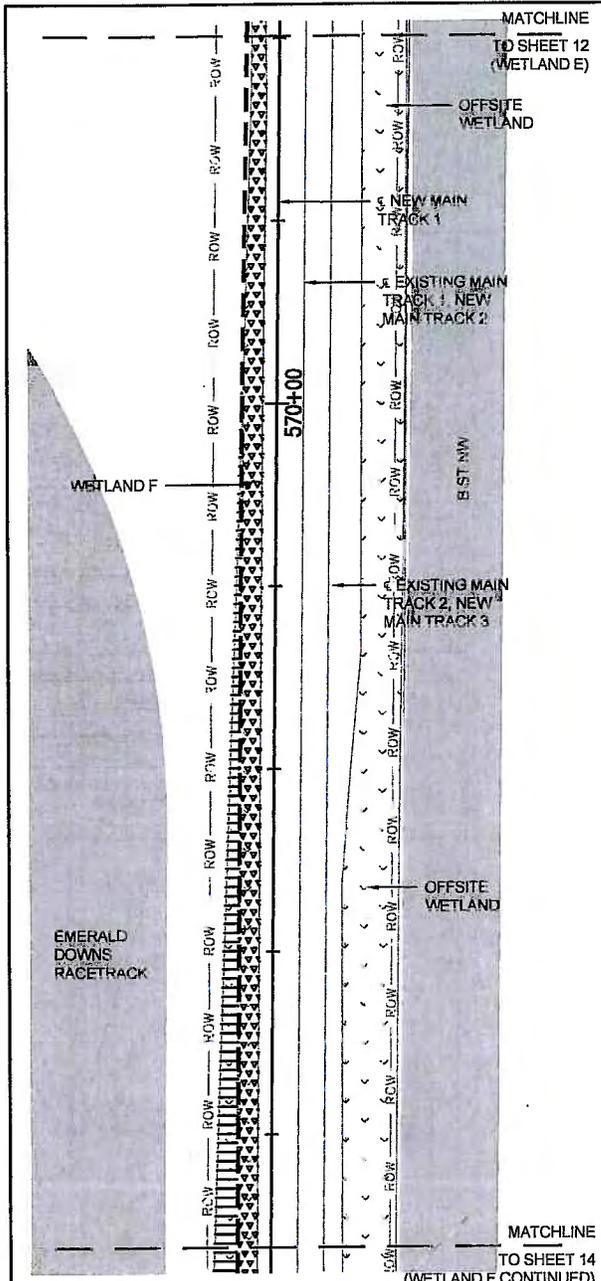
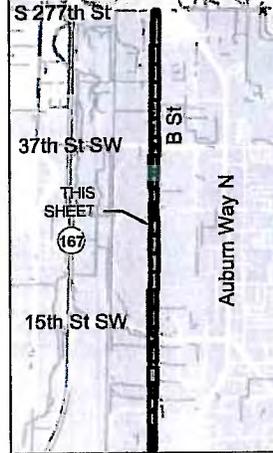
PROPOSED: Adding track; track rehabilitation; new high-speed turnouts; updates to and construction of new signal facilities; and widening two crossings by constructing new bridges.

IN: TOWNSHIP RANGE SECTIONS
T21N R4E S1, S12, S13, S24, S25;
T22N R4E S36
COUNTY: King **STATE:** WA
SHEET: 12 of 30
DATE: August 2013

NWS-2013-922

WETLAND F

EASEMENT 4 TRACK IMPROVEMENT AREA



WETLAND NAME	PERMANENT IMPACTS*	TEMPORARY IMPACTS*
WETLAND F	1.08 ACRES	1.27 ACRES

* VALUES REPRESENT IMPACTS TO ENTIRE WETLAND AREA, NOT JUST AREA SHOWN ON THIS SHEET.

KEY

- GRADING LIMIT
- STATION POINT
- 550+00
- EXISTING BNSF RIGHT-OF-WAY
- EXISTING TRACK
- PROPOSED TRACK
- OHWM
- ORDINARY HIGH WATER MARK
- WETLAND FILL
- WETLAND

0 50 100 N
SCALE (FEET)

PURPOSE: To provide capacity for additional commuter and interstate rail service.

HOR. DATUM:
NAD83 WA STATE PLANE NORTH

VER. DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
1. SEE JARPA FORM

PERMANENT & TEMPORARY IMPACTS TO WETLANDS PLAN VIEW

NAME: SEATTLE TO TACOMA SOUNDER COMMUTER RAIL EASEMENTS AND IMPROVEMENTS (EASEMENT 4)

REFERENCE #:

SITE LOCATION ADDRESS:
Project is located within the existing BNSF Seattle-to-Tacoma Rail Corridor, between the cities of Kent and Auburn, Washington

PROPOSED: Adding track; track rehabilitation; new high-speed turnouts; updates to and construction of new signal facilities; and widening two crossings by constructing new bridges.

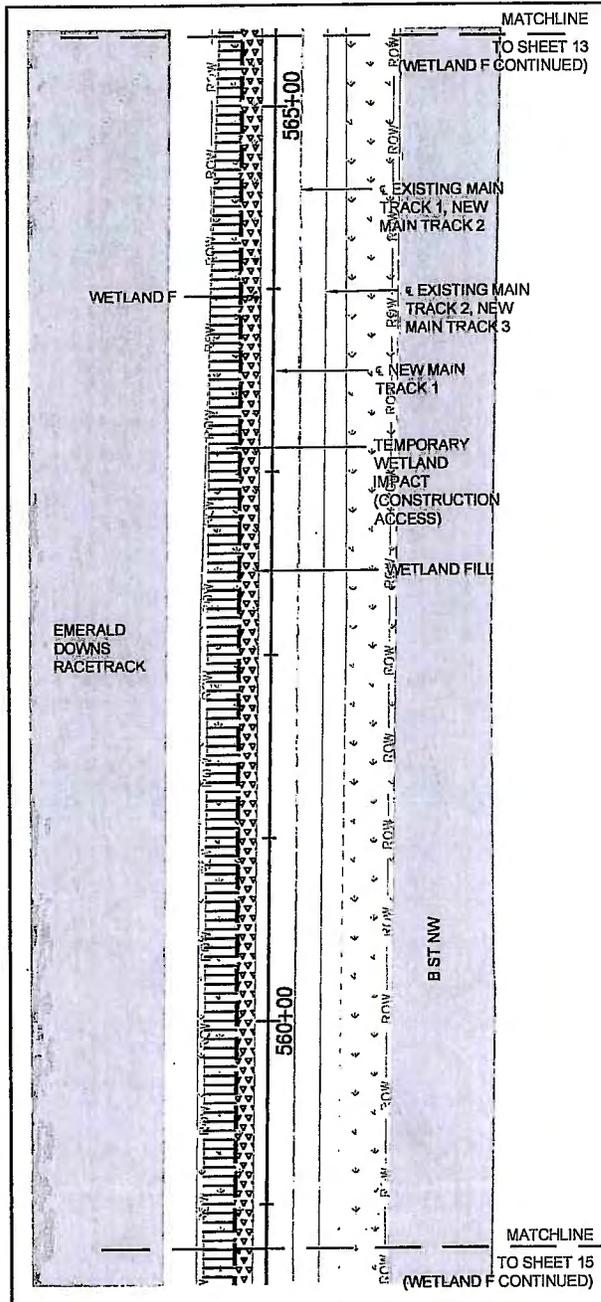
IN: TOWNSHIP RANGE SECTIONS
T21N R4E S1, S12, S13, S24, S25;
T22N R4E S36

COUNTY: King **STATE:** WA

SHEET: 13 of 30

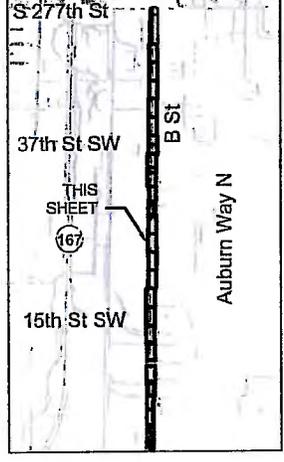
DATE: August 2013

NW 2013-922



WETLAND F

EASEMENT 4 TRACK IMPROVEMENT AREA



WETLAND NAME	PERMANENT IMPACTS*	TEMPORARY IMPACTS*
WETLAND F	1.08 ACRES	1.27 ACRES

* VALUES REPRESENT IMPACTS TO ENTIRE WETLAND AREA, NOT JUST AREA SHOWN ON THIS SHEET.

KEY

- GRADING LIMIT
- STATION POINT
- EXISTING BNSF RIGHT-OF-WAY
- EXISTING TRACK
- PROPOSED TRACK
- WETLAND FILL
- TEMPORARY WETLAND IMPACT (CONSTRUCTION ACCESS)
- WETLAND

0 50 100 N
SCALE (FEET)

PURPOSE: To provide capacity for additional commuter and interstate rail service.

HOR. DATUM: NAD83 WA STATE PLANE NORTH
VER. DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
1. SEE JARPA FORM

PERMANENT & TEMPORARY IMPACTS TO WETLANDS PLAN VIEW

NAME: SEATTLE TO TACOMA SOUNDER COMMUTER RAIL EASEMENTS AND IMPROVEMENTS (EASEMENT 4)

REFERENCE #:

SITE LOCATION ADDRESS:
Project is located within the existing BNSF Seattle-to-Tacoma Rail Corridor, between the cities of Kent and Auburn, Washington

PROPOSED: Adding track; track rehabilitation; new high-speed turnouts; updates to and construction of new signal facilities; and widening two crossings by constructing new bridges.

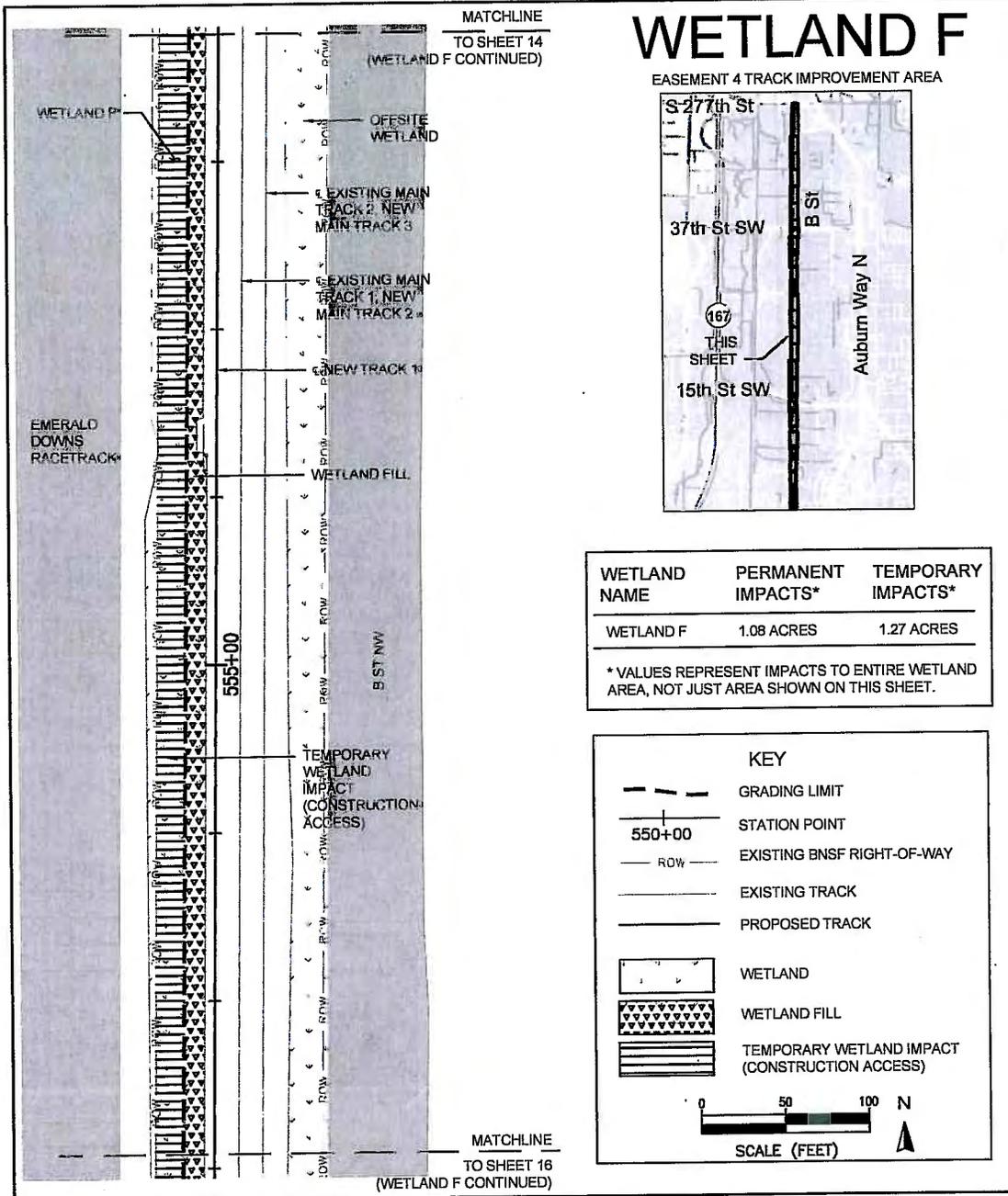
IN: TOWNSHIP RANGE SECTIONS
T21N R4E S1, S12, S13, S24, S25;
T22N R4E S36

COUNTY: King **STATE:** WA

SHEET: 14 of 30

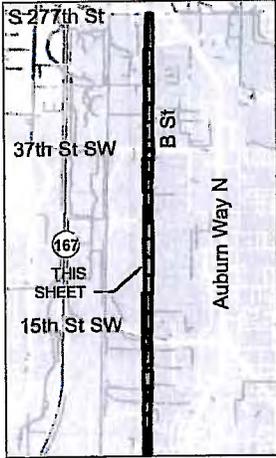
DATE: August 2013

NWS-2013-922



WETLAND F

EASEMENT 4 TRACK IMPROVEMENT AREA



WETLAND NAME	PERMANENT IMPACTS*	TEMPORARY IMPACTS*
WETLAND F	1.08 ACRES	1.27 ACRES

* VALUES REPRESENT IMPACTS TO ENTIRE WETLAND AREA, NOT JUST AREA SHOWN ON THIS SHEET.

KEY

- GRADING LIMIT
- STATION POINT
- EXISTING BNSF RIGHT-OF-WAY
- EXISTING TRACK
- PROPOSED TRACK
- WETLAND
- WETLAND FILL
- TEMPORARY WETLAND IMPACT (CONSTRUCTION ACCESS)

0 50 100 N
SCALE (FEET)

PURPOSE: To provide capacity for additional commuter and interstate rail service.

HOR. DATUM:
NAD83 WA STATE PLANE NORTH

VER. DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
1. SEE JARPA FORM

PERMANENT & TEMPORARY IMPACTS TO WETLANDS PLAN VIEW

NAME: SEATTLE TO TACOMA SOUNDER COMMUTER RAIL EASEMENTS AND IMPROVEMENTS (EASEMENT 4)

REFERENCE #:

SITE LOCATION ADDRESS:
Project is located within the existing BNSF Seattle-to-Tacoma Rail Corridor, between the cities of Kent and Auburn, Washington

PROPOSED: Adding track; track rehabilitation; new high-speed turnouts; updates to and construction of new signal facilities; and widening two crossings by constructing new bridges.

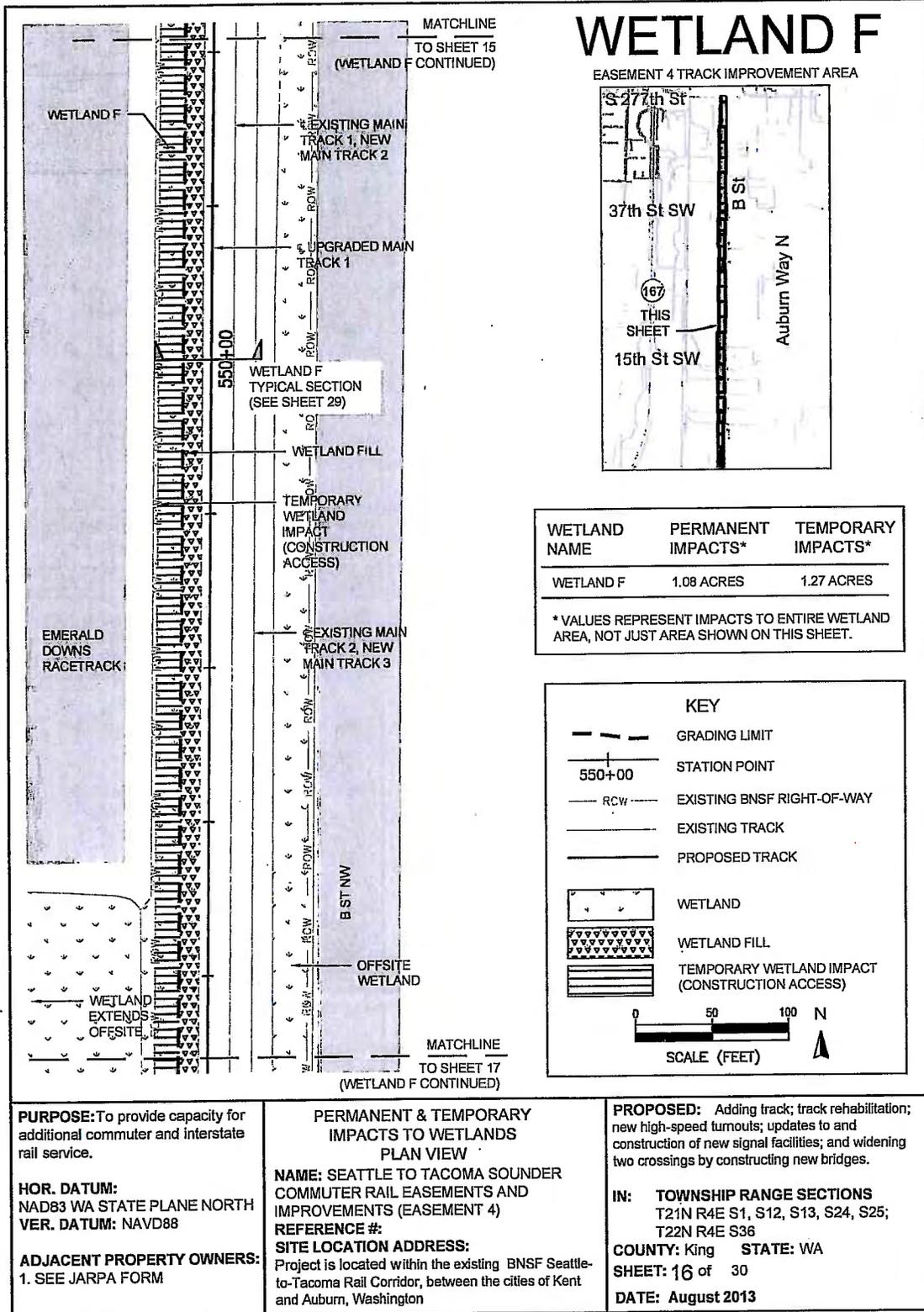
IN: TOWNSHIP RANGE SECTIONS
T21N R4E S1, S12, S13, S24, S25;
T22N R4E S36

COUNTY: King **STATE:** WA

SHEET: 15 of 30

DATE: August 2013

NWS-2013-922



PURPOSE: To provide capacity for additional commuter and interstate rail service.

HOR. DATUM: NAD83 WA STATE PLANE NORTH
VER. DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
 1. SEE JARPA FORM

PERMANENT & TEMPORARY IMPACTS TO WETLANDS PLAN VIEW

NAME: SEATTLE TO TACOMA SOUNDER COMMUTER RAIL EASEMENTS AND IMPROVEMENTS (EASEMENT 4)

REFERENCE #:

SITE LOCATION ADDRESS:
 Project is located within the existing BNSF Seattle-to-Tacoma Rail Corridor, between the cities of Kent and Auburn, Washington

PROPOSED: Adding track; track rehabilitation; new high-speed turnouts; updates to and construction of new signal facilities; and widening two crossings by constructing new bridges.

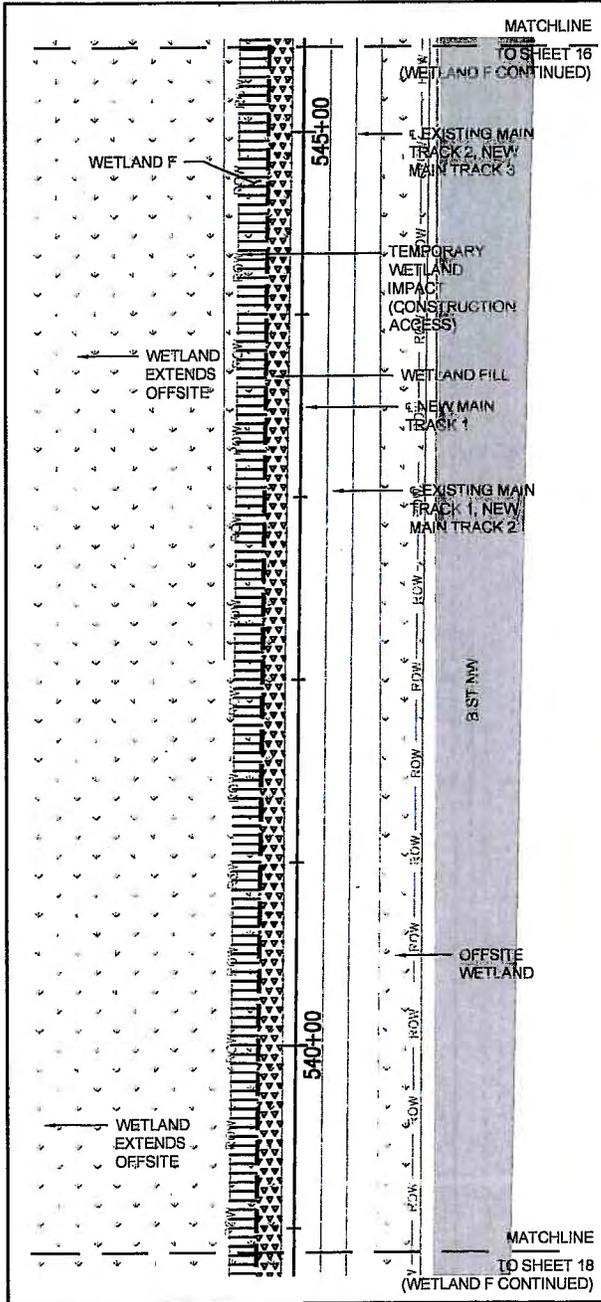
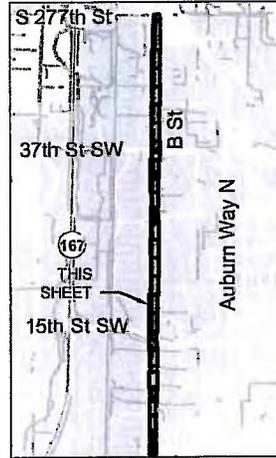
IN: TOWNSHIP RANGE SECTIONS
 T21N R4E S1, S12, S13, S24, S25;
 T22N R4E S36

COUNTY: King **STATE:** WA
SHEET: 16 of 30
DATE: August 2013

NW5-2013-922

WETLAND F

EASEMENT 4 TRACK IMPROVEMENT AREA



WETLAND NAME	PERMANENT IMPACTS*	TEMPORARY IMPACTS*
WETLAND F	1.08 ACRES	1.27 ACRES

* VALUES REPRESENT IMPACTS TO ENTIRE WETLAND AREA, NOT JUST AREA SHOWN ON THIS SHEET.

KEY

- GRADING LIMIT
- STATION POINT
- 550+00
- EXISTING BNSF RIGHT-OF-WAY
- EXISTING TRACK
- PROPOSED TRACK
- WETLAND
- WETLAND FILL
- TEMPORARY WETLAND IMPACT (CONSTRUCTION ACCESS)

0 50 100 N
SCALE (FEET)

PURPOSE: To provide capacity for additional commuter and interstate rail service.

HOR. DATUM:
NAD83 WA STATE PLANE NORTH

VER. DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
1. SEE JARPA FORM

PERMANENT & TEMPORARY IMPACTS TO WETLANDS PLAN VIEW

NAME: SEATTLE TO TACOMA SOUNDER COMMUTER RAIL EASEMENTS AND IMPROVEMENTS (EASEMENT 4)

REFERENCE #:

SITE LOCATION ADDRESS:
Project is located within the existing BNSF Seattle-to-Tacoma Rail Corridor, between the cities of Kent and Auburn, Washington

PROPOSED: Adding track; track rehabilitation; new high-speed turnouts; updates to and construction of new signal facilities; and widening two crossings by constructing new bridges.

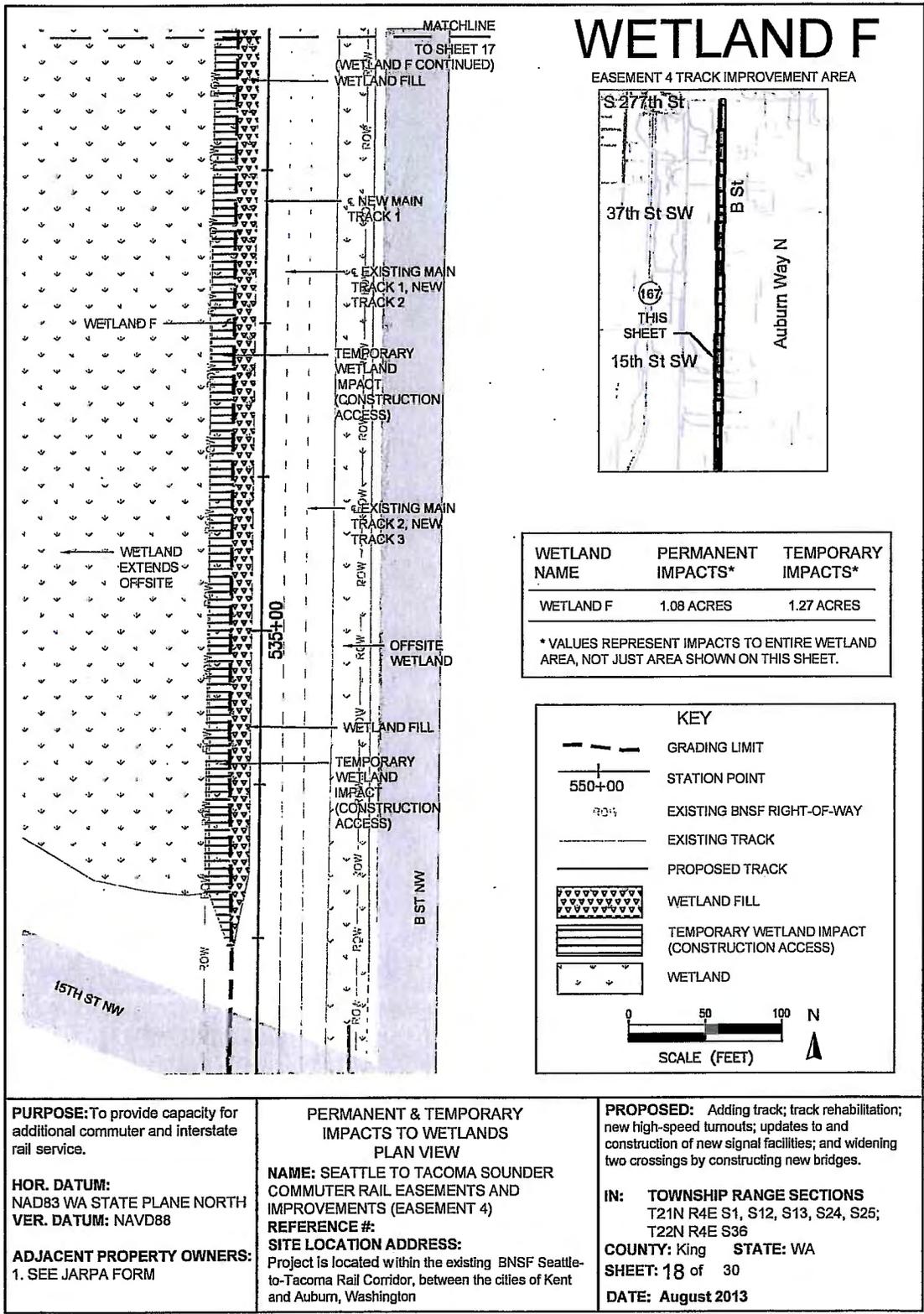
IN: TOWNSHIP RANGE SECTIONS
T21N R4E S1, S12, S13, S24, S25;
T22N R4E S36

COUNTY: King **STATE:** WA

SHEET: 17 of 30

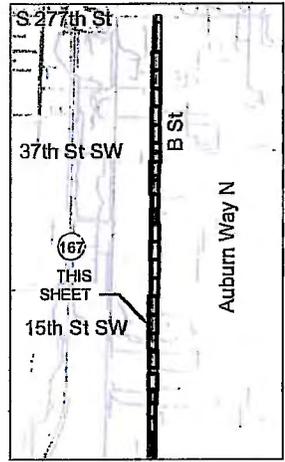
DATE: August 2013

NWS-2013-922



WETLAND F

EASEMENT 4 TRACK IMPROVEMENT AREA



WETLAND NAME	PERMANENT IMPACTS*	TEMPORARY IMPACTS*
WETLAND F	1.08 ACRES	1.27 ACRES

* VALUES REPRESENT IMPACTS TO ENTIRE WETLAND AREA, NOT JUST AREA SHOWN ON THIS SHEET.

KEY

- GRADING LIMIT
- STATION POINT
- EXISTING BNSF RIGHT-OF-WAY
- EXISTING TRACK
- PROPOSED TRACK
- WETLAND FILL
- TEMPORARY WETLAND IMPACT (CONSTRUCTION ACCESS)
- WETLAND

0 50 100 N
SCALE (FEET)

PURPOSE: To provide capacity for additional commuter and interstate rail service.

HOR. DATUM: NAD83 WA STATE PLANE NORTH
VER. DATUM: NAVD88

ADJACENT PROPERTY OWNERS: 1. SEE JARPA FORM

PERMANENT & TEMPORARY IMPACTS TO WETLANDS PLAN VIEW

NAME: SEATTLE TO TACOMA SOUNDER COMMUTER RAIL EASEMENTS AND IMPROVEMENTS (EASEMENT 4)
REFERENCE #:
SITE LOCATION ADDRESS: Project is located within the existing BNSF Seattle-to-Tacoma Rail Corridor, between the cities of Kent and Auburn, Washington

PROPOSED: Adding track; track rehabilitation; new high-speed turnouts; updates to and construction of new signal facilities; and widening two crossings by constructing new bridges.

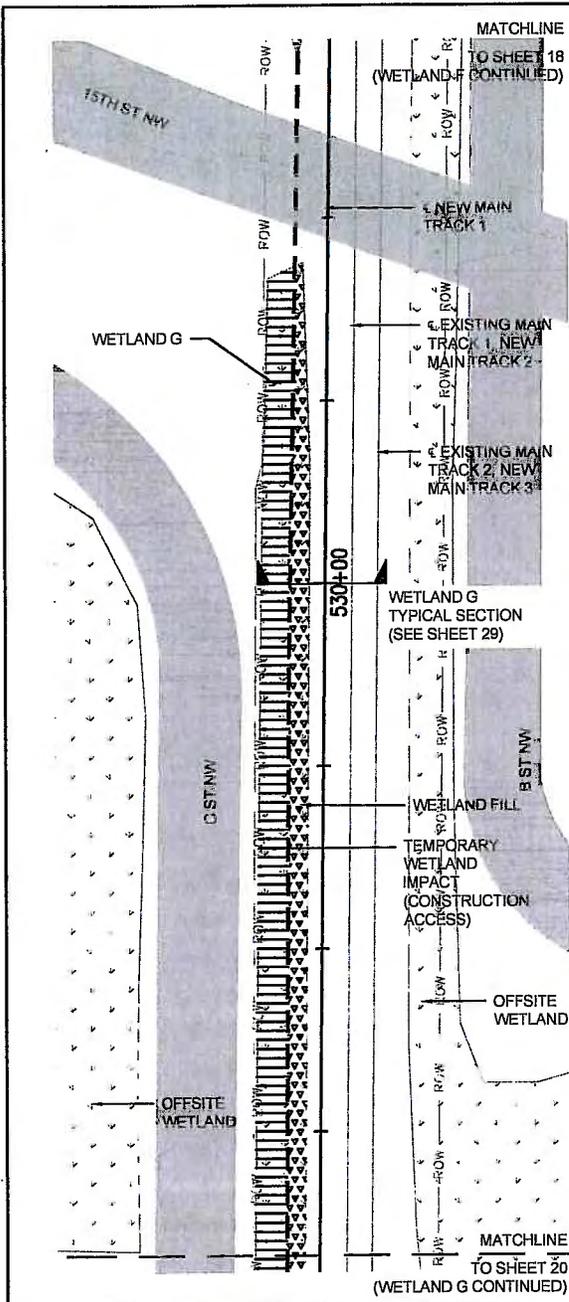
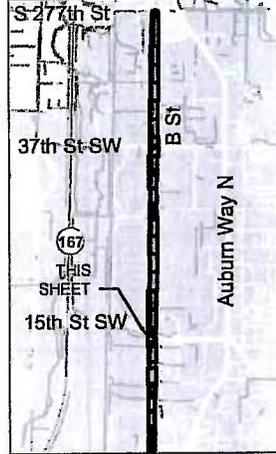
IN: TOWNSHIP RANGE SECTIONS
T21N R4E S1, S12, S13, S24, S25;
T22N R4E S36

COUNTY: King **STATE:** WA
SHEET: 18 of 30
DATE: August 2013

NWS-2013-922

WETLAND G

EASEMENT 4 TRACK IMPROVEMENT AREA



WETLAND NAME	PERMANENT IMPACTS*	TEMPORARY IMPACTS*
WETLAND G	0.14 ACRES	0.32 ACRES

* VALUES REPRESENT IMPACTS TO ENTIRE WETLAND AREA, NOT JUST AREA SHOWN ON THIS SHEET.

KEY

- GRADING LIMIT
- STATION POINT
- EXISTING BNSF RIGHT-OF-WAY
- EXISTING TRACK
- PROPOSED TRACK
- WETLAND
- WETLAND FILL
- TEMPORARY WETLAND IMPACT (CONSTRUCTION ACCESS)

0 50 100 N
SCALE (FEET)

PURPOSE: To provide capacity for additional commuter and interstate rail service.

HOR. DATUM: NAD83 WA STATE PLANE NORTH
VER. DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
1: SEE JARPA FORM

PERMANENT & TEMPORARY IMPACTS TO WETLANDS PLAN VIEW

NAME: SEATTLE TO TACOMA SOUNDER COMMUTER RAIL EASEMENTS AND IMPROVEMENTS (EASEMENT 4)

REFERENCE #:

SITE LOCATION ADDRESS:
Project is located within the existing BNSF Seattle-to-Tacoma Rail Corridor, between the cities of Kent and Auburn, Washington

PROPOSED: Adding track; track rehabilitation; new high-speed turnouts; updates to and construction of new signal facilities; and widening two crossings by constructing new bridges.

IN: TOWNSHIP RANGE SECTIONS
T21N R4E S1, S12, S13, S24, S25;
T22N R4E S36

COUNTY: King **STATE:** WA

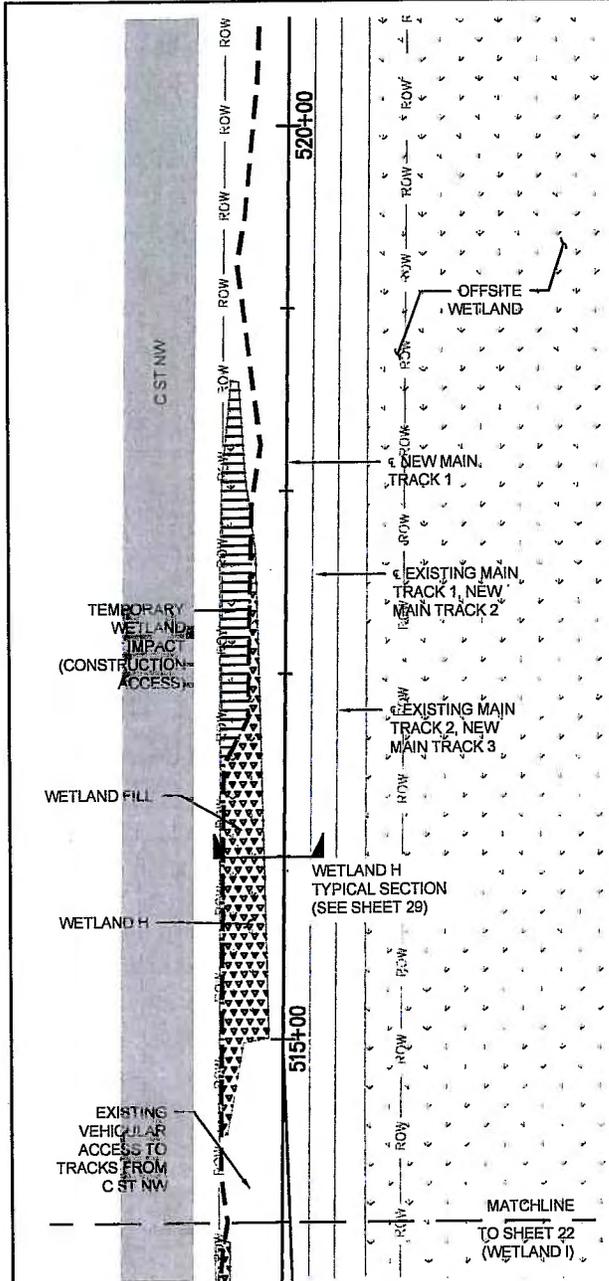
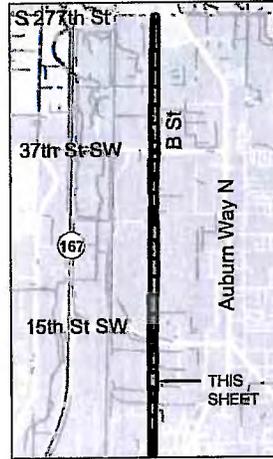
SHEET: 19 of 30

DATE: August 2013

NWS-2013-922

WETLAND H

EASEMENT 4 TRACK IMPROVEMENT AREA



WETLAND NAME	PERMANENT IMPACTS*	TEMPORARY IMPACTS*
WETLAND H	0.11 ACRES	0.07 ACRES

* VALUES REPRESENT IMPACTS TO ENTIRE WETLAND AREA, NOT JUST AREA SHOWN ON THIS SHEET.

KEY

- GRADING LIMIT
- STATION POINT
- EXISTING BNSF RIGHT-OF-WAY
- EXISTING TRACK
- PROPOSED TRACK
- WETLAND FILL
- TEMPORARY WETLAND IMPACT (CONSTRUCTION ACCESS)
- WETLAND

550+00

0 50 100 N

SCALE (FEET)

PURPOSE: To provide capacity for additional commuter and interstate rail service.

HOR. DATUM:
NAD83 WA STATE PLANE NORTH

VER. DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
1. SEE JARPA FORM

PERMANENT & TEMPORARY IMPACTS TO WETLANDS PLAN VIEW

NAME: SEATTLE TO TACOMA SOUNDER COMMUTER RAIL EASEMENTS AND IMPROVEMENTS (EASEMENT 4)

REFERENCE #:

SITE LOCATION ADDRESS:
Project is located within the existing BNSF Seattle-to-Tacoma Rail Corridor, between the cities of Kent and Auburn, Washington

PROPOSED: Adding track; track rehabilitation; new high-speed turnouts; updates to and construction of new signal facilities; and widening two crossings by constructing new bridges.

IN: TOWNSHIP RANGE SECTIONS
T21N R4E S1, S12, S13, S24, S25;
T22N R4E S36

COUNTY: King **STATE:** WA

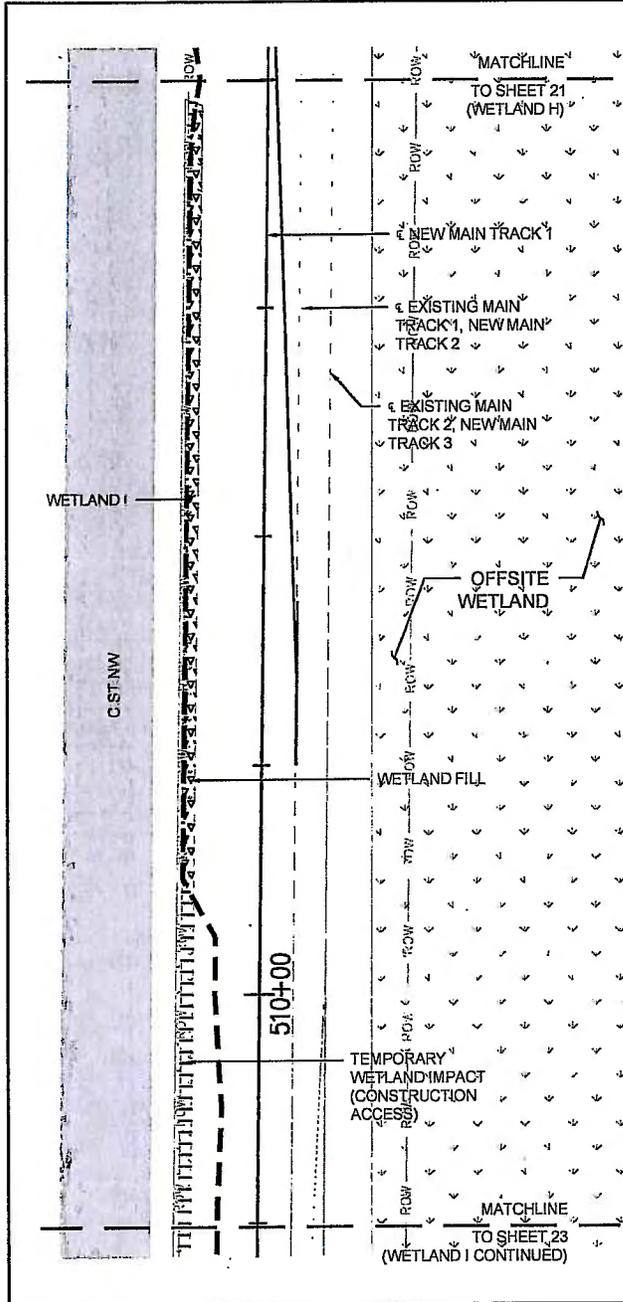
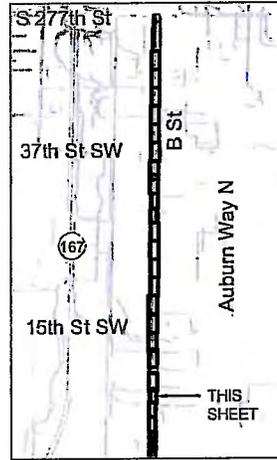
SHEET: 21 of 30

DATE: August 2013

NW 5-2013-922

WETLAND I

EASEMENT 4 TRACK IMPROVEMENT AREA



WETLAND NAME	PERMANENT IMPACTS*	TEMPORARY IMPACTS*
WETLAND I	0.04 ACRES	0.12 ACRES

* VALUES REPRESENT IMPACTS TO ENTIRE WETLAND AREA, NOT JUST AREA SHOWN ON THIS SHEET.

KEY

- GRADING LIMIT
- STATION POINT
- EXISTING BNSF RIGHT-OF-WAY
- EXISTING TRACK
- PROPOSED TRACK
- WETLAND FILL
- TEMPORARY WETLAND IMPACT (CONSTRUCTION ACCESS)
- WETLAND

0 40 80 N
SCALE (FEET)

PURPOSE: To provide capacity for additional commuter and interstate rail service.

HOR. DATUM:
NAD83 WA STATE PLANE NORTH
VER. DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
1. SEE JARPA FORM

PERMANENT & TEMPORARY IMPACTS TO WETLANDS PLAN VIEW

NAME: SEATTLE TO TACOMA SOUNDER COMMUTER RAIL EASEMENTS AND IMPROVEMENTS (EASEMENT 4)

REFERENCE #:

SITE LOCATION ADDRESS:
Project is located within the existing BNSF Seattle-to-Tacoma Rail Corridor, between the cities of Kent and Auburn, Washington

PROPOSED: Adding track; track rehabilitation; new high-speed turnouts; updates to and construction of new signal facilities; and widening two crossings by constructing new bridges.

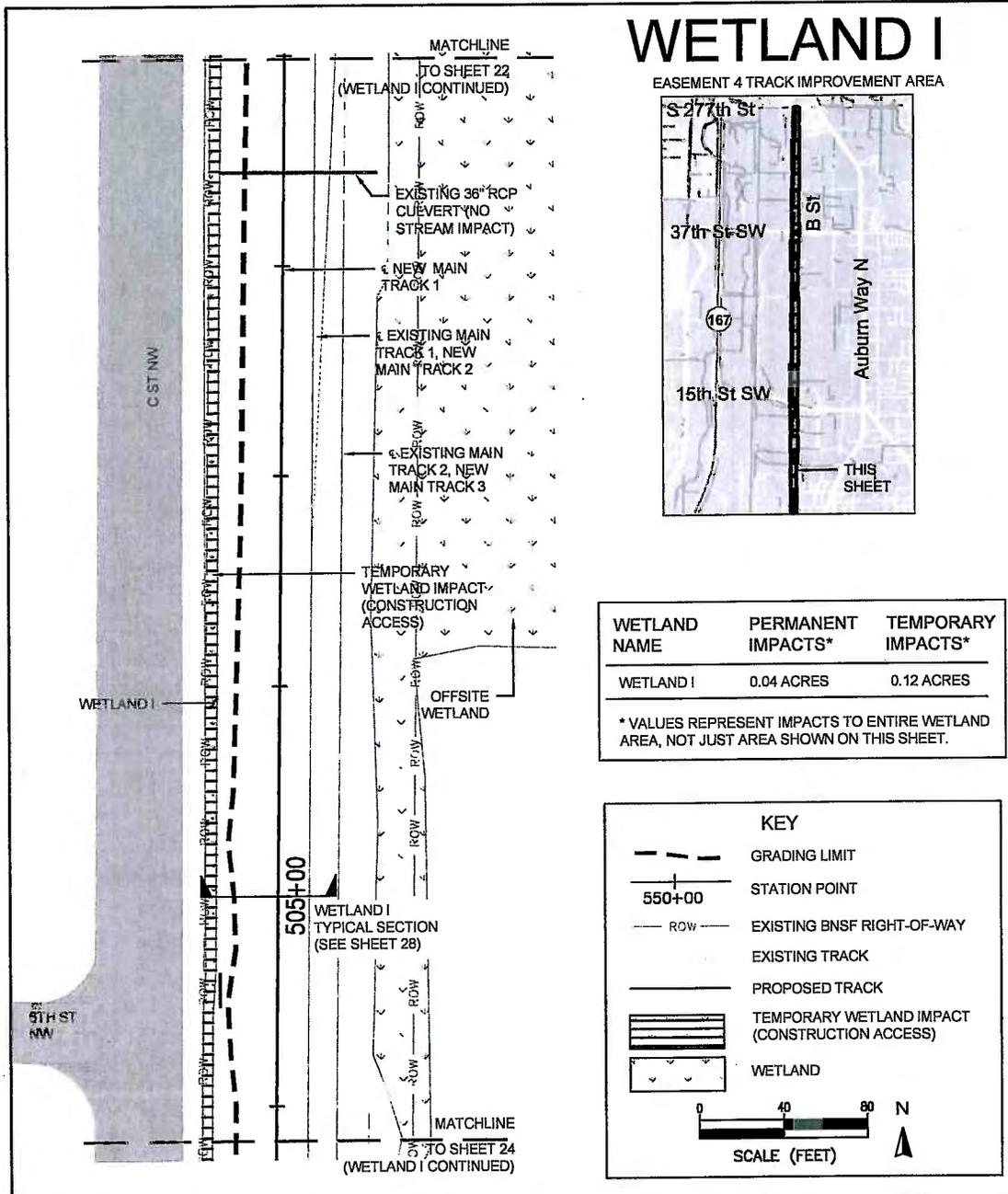
IN: TOWNSHIP RANGE SECTIONS
T21N R4E S1, S12, S13, S24, S25;
T22N R4E S36

COUNTY: King **STATE:** WA

SHEET: 22 of 30

DATE: August 2013

NWS-2013-922



WETLAND I

EASEMENT 4 TRACK IMPROVEMENT AREA



WETLAND NAME	PERMANENT IMPACTS*	TEMPORARY IMPACTS*
WETLAND I	0.04 ACRES	0.12 ACRES

* VALUES REPRESENT IMPACTS TO ENTIRE WETLAND AREA, NOT JUST AREA SHOWN ON THIS SHEET.

KEY

- GRADING LIMIT
- STATION POINT
- EXISTING BNSF RIGHT-OF-WAY
- EXISTING TRACK
- PROPOSED TRACK
- TEMPORARY WETLAND IMPACT (CONSTRUCTION ACCESS)
- WETLAND

0 40 80 N
SCALE (FEET)

PURPOSE: To provide capacity for additional commuter and interstate rail service.

HOR. DATUM:
NAD83 WA STATE PLANE NORTH

VER. DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
1. SEE JARPA FORM

PERMANENT & TEMPORARY IMPACTS TO WETLANDS PLAN VIEW

NAME: SEATTLE TO TACOMA SOUNDER COMMUTER RAIL EASEMENTS AND IMPROVEMENTS (EASEMENT 4)

REFERENCE #:

SITE LOCATION ADDRESS:
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PROPOSED: Adding track; track rehabilitation; new high-speed turnouts; updates to and construction of new signal facilities; and widening two crossings by constructing new bridges.

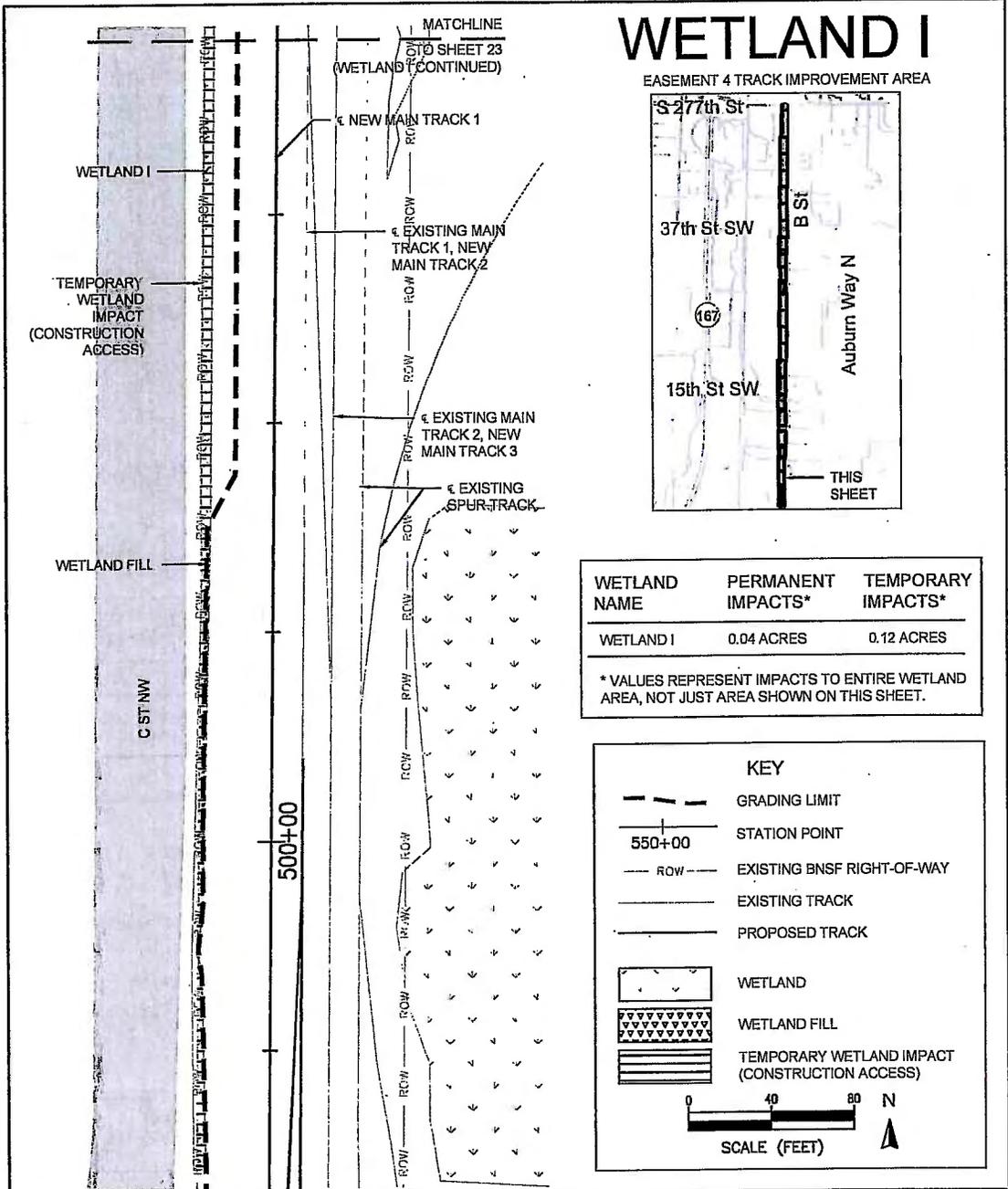
IN: TOWNSHIP RANGE SECTIONS
T21N R4E S1, S12, S13, S24, S25;
T22N R4E S36

COUNTY: King **STATE:** WA

SHEET: 23 of 30

DATE: August 2013

NWS-2013-922



WETLAND NAME	PERMANENT IMPACTS*	TEMPORARY IMPACTS*
WETLAND I	0.04 ACRES	0.12 ACRES

* VALUES REPRESENT IMPACTS TO ENTIRE WETLAND AREA, NOT JUST AREA SHOWN ON THIS SHEET.

KEY

- GRADING LIMIT
- STATION POINT
- EXISTING BNSF RIGHT-OF-WAY
- EXISTING TRACK
- PROPOSED TRACK
- WETLAND
- WETLAND FILL
- TEMPORARY WETLAND IMPACT (CONSTRUCTION ACCESS)

0 40 80 N
SCALE (FEET)

PURPOSE: To provide capacity for additional commuter and interstate rail service.

HOR. DATUM:
NAD83 WA STATE PLANE NORTH
VER. DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
1. SEE JARPA FORM

PERMANENT & TEMPORARY IMPACTS TO WETLANDS PLAN VIEW

NAME: SEATTLE TO TACOMA SOUNDER COMMUTER RAIL EASEMENTS AND IMPROVEMENTS (EASEMENT 4)

REFERENCE #:

SITE LOCATION ADDRESS:
Project is located within the existing BNSF Seattle-to-Tacoma Rail Corridor, between the cities of Kent and Auburn, Washington

PROPOSED: Adding track; track rehabilitation; new high-speed turnouts; updates to and construction of new signal facilities; and widening two crossings by constructing new bridges.

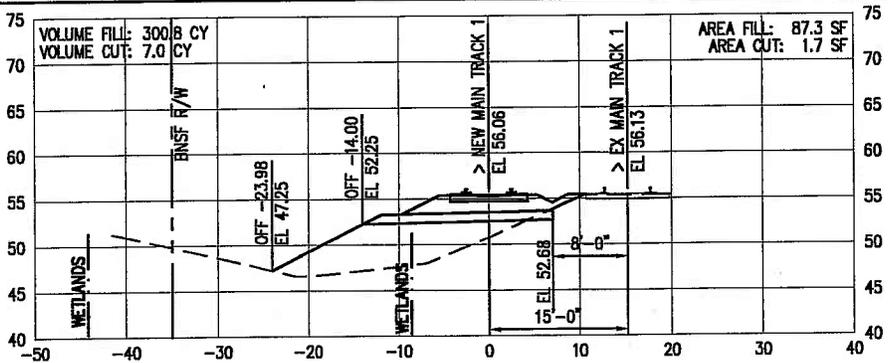
IN: TOWNSHIP RANGE SECTIONS
T21N R4E S1, S12, S13, S24, S25;
T22N R4E S36

COUNTY: King **STATE:** WA

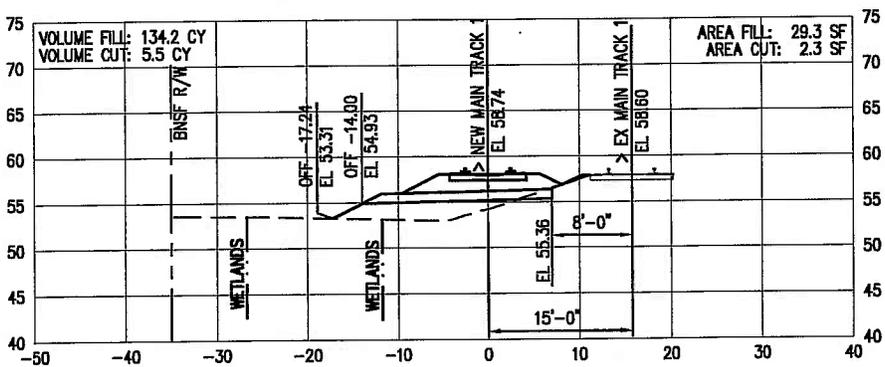
SHEET: 24 of 30

DATE: August 2013

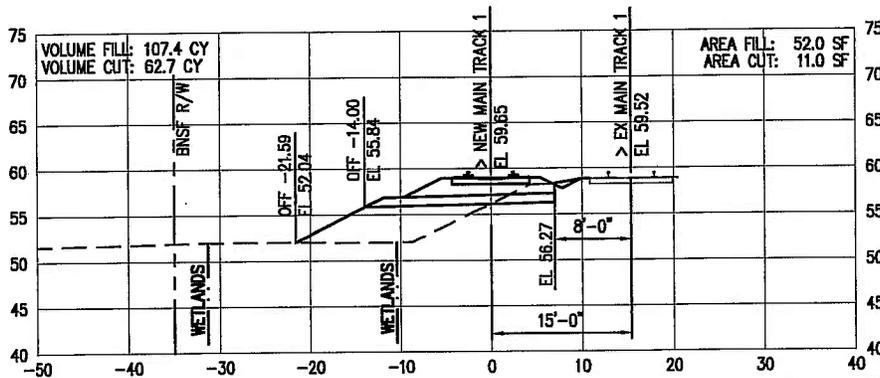
NWS-2013-922



TYPICAL SECTION - WETLAND C (STATION 605+00, PLAN VIEW SHEET 7)



TYPICAL SECTION - WETLAND D (STATION 583+00, PLAN VIEW SHEET 11)



TYPICAL SECTION - WETLAND E
(STATION 576+00, PLAN VIEW SHEET 12)



SCALE (FEET)

PURPOSE: To provide capacity for additional commuter and interstate rail service.

HOR. DATUM:
NAD83 WA STATE PLANE NORTH
VER. DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
1. SEE JARPA FORM

PERMANENT & TEMPORARY IMPACTS TO WETLANDS AND STREAMS SECTION VIEW

NAME: SEATTLE TO TACOMA SOUNDER COMMUTER RAIL EASEMENTS AND IMPROVEMENTS (EASEMENT 4)

REFERENCE #:

SITE LOCATION ADDRESS:
Project is located within the existing BNSF Seattle-to-Tacoma Rail Corridor, between the cities of Kent and Auburn, Washington

PROPOSED: Adding track; track rehabilitation; new high-speed turnouts; updates to and construction of new signal facilities; and widening two crossings by constructing new bridges.

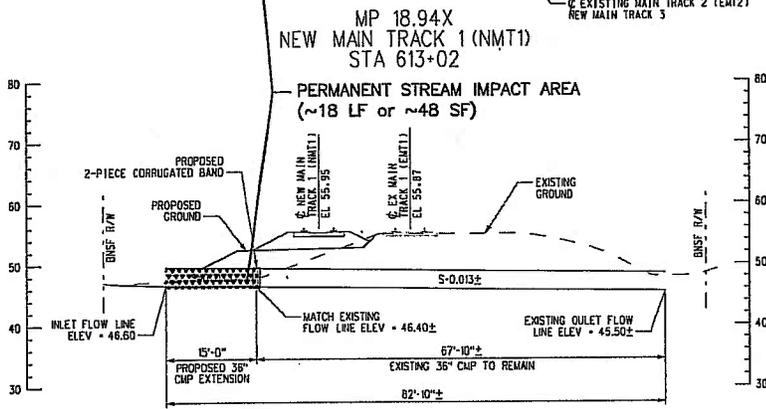
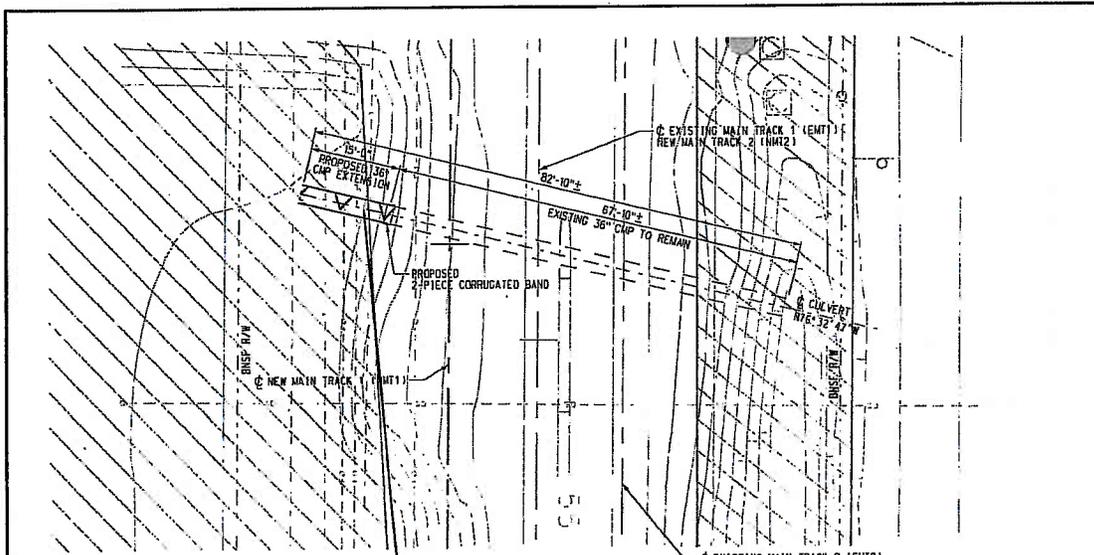
IN: TOWNSHIP RANGE SECTIONS
T21N R4E S1, S12, S13, S24, S25;
T22N R4E S36

COUNTY: King **STATE:** WA

SHEET: 25 of 30

DATE: August 2013

NW 1-2013-902



HILL CREEK TRIBUTARY NORTH CULVERT EXTENSION (STATION 613+02)

KEY

 PERMANENT STREAM IMPACT AREA

 WETLAND

0 15 30
SCALE (FEET)

PURPOSE: To provide capacity for additional commuter and interstate rail service.

HOR. DATUM: NAD83 WA STATE PLANE NORTH
VER. DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
1. SEE JARPA FORM

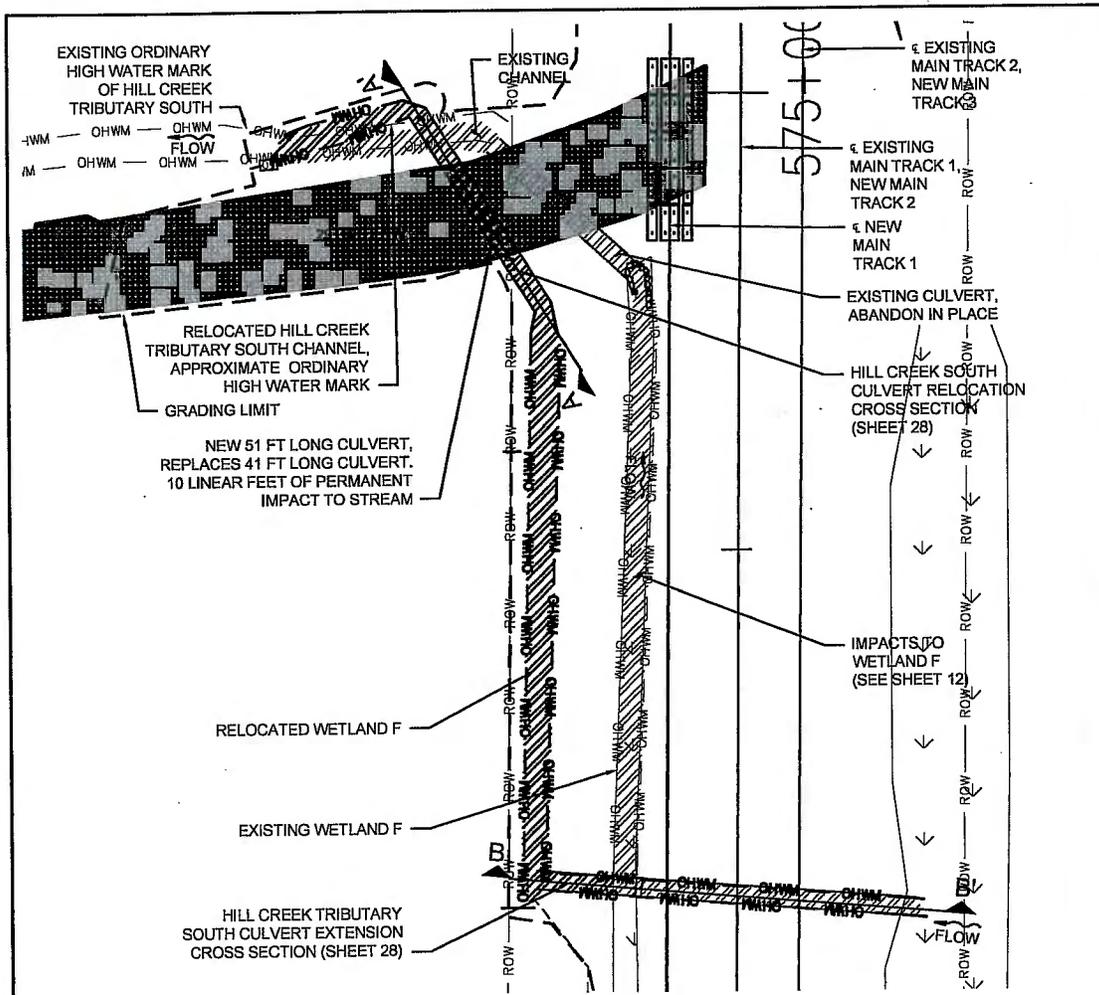
PERMANENT & TEMPORARY IMPACTS TO WETLANDS AND STREAMS PLAN & SECTION VIEW

NAME: SEATTLE TO TACOMA SOUNDER COMMUTER RAIL EASEMENTS AND IMPROVEMENTS (EASEMENT 4)
REFERENCE #:
SITE LOCATION ADDRESS:
Project is located within the existing BNSF Seattle-to-Tacoma Rail Corridor, between the cities of Kent and Auburn, Washington

PROPOSED: Adding track; track rehabilitation; new high-speed turnouts; updates to and construction of new signal facilities; and widening two crossings by constructing new bridges.

IN: TOWNSHIP RANGE SECTIONS
T21N R4E S1, S12, S13, S24, S25;
T22N R4E S36
COUNTY: King **STATE:** WA
SHEET: 26 of 30
DATE: August 2013

NWS-2013-922



PLAN
HILL CREEK TRIBUTARY SOUTH CULVERT
RELOCATION (29TH ST) & EXTENSION (STATION 573+10)

KEY

	PROPOSED CHANNEL		PAVED AREA		WETLAND
	EXISTING CHANNEL		GRADING LIMIT	 SCALE (FEET)	

NOTES:
 1. STREAM IMPACT SECTION VIEWS SHOWN ON SHEET 28.
 2. WETLAND IMPACT PLAN VIEWS SHOWN ON SHEET 12.

PURPOSE: To provide capacity for additional commuter and interstate rail service.

HOR. DATUM:
 NAD83 WA STATE PLANE NORTH
VER. DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
 1. SEE JARPA FORM

PERMANENT IMPACT TO STREAM
DETAILED PLAN VIEW

NAME: SEATTLE TO TACOMA SOUNDER
 COMMUTER RAIL EASEMENTS AND
 IMPROVEMENTS (EASEMENT 4)
REFERENCE #:

SITE LOCATION ADDRESS:
 Project is located within the existing BNSF Seattle-
 to-Tacoma Rail Corridor, between the cities of Kent
 and Auburn, Washington

PROPOSED: Adding track; track rehabilitation;
 new high-speed turnouts; updates to and
 construction of new signal facilities; and widening
 two crossings by constructing new bridges.

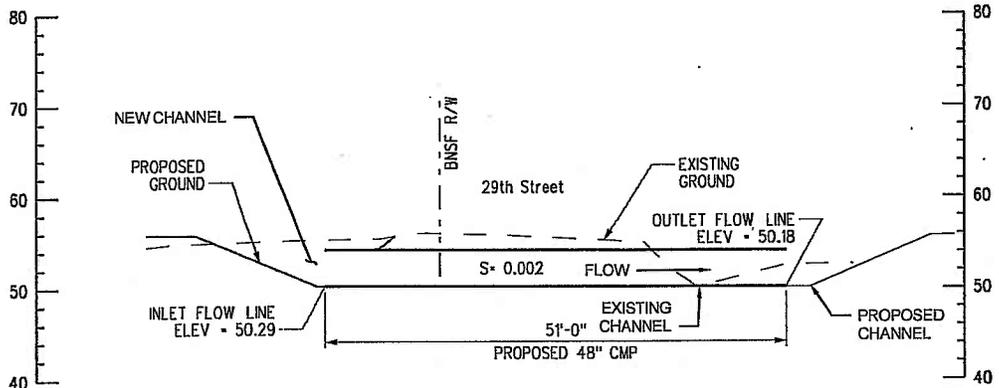
IN: TOWNSHIP RANGE SECTIONS
 T21N R4E S1, S2, S13, S24, S25;
 T22N R4E S36

COUNTY: King **STATE:** WA

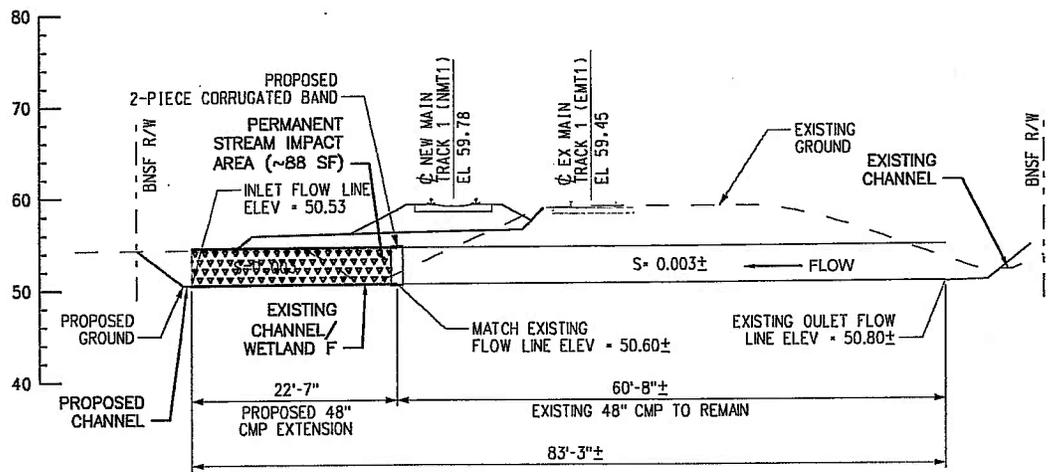
SHEET: 27 of 30

DATE: August 2013

NWS-2013-922



HILL CREEK TRIBUTARY SOUTH CULVERT RELOCATION (29TH ST)
SECTION A-A'



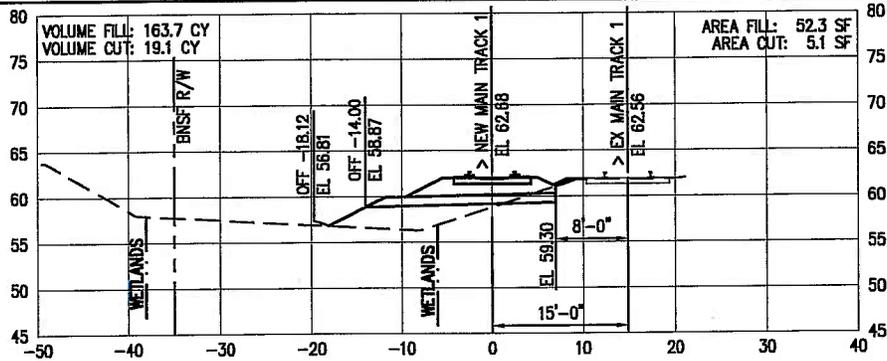
HILL CREEK TRIBUTARY SOUTH CULVERT EXTENSION (STATION 573+10)
SECTION B-B'

KEY

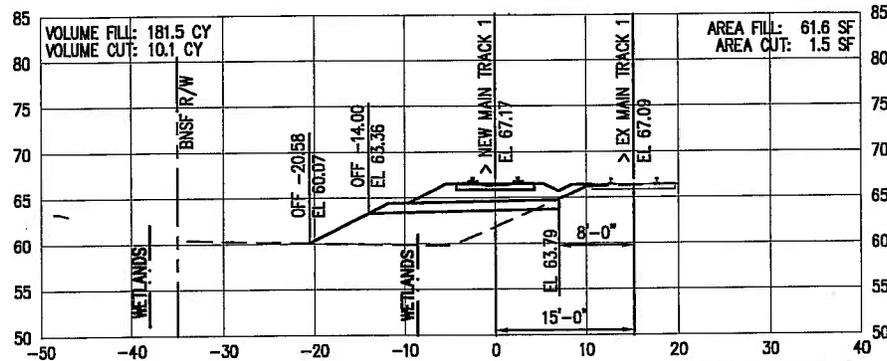
	PERMANENT IMPACT AREA	NOTE: 1. STREAM IMPACT DETAILED PLAN VIEWS SHOWN ON SHEET 27. 2. WETLAND IMPACT PLAN VIEWS SHOWN ON SHEET 12.
 SCALE (FEET)		

<p>PURPOSE: To provide capacity for additional commuter and interstate rail service.</p> <p>HOR. DATUM: NAD83 WA STATE PLANE NORTH VER. DATUM: NAVD88</p> <p>ADJACENT PROPERTY OWNERS: 1. SEE JARPA FORM</p>	<p>PERMANENT IMPACT TO STREAM SECTION VIEWS</p> <p>NAME: SEATTLE TO TACOMA SOUNDER COMMUTER RAIL EASEMENTS AND IMPROVEMENTS (EASEMENT 4) REFERENCE #: SITE LOCATION ADDRESS: Project is located within the existing BNSF Seattle-to-Tacoma Rail Corridor, between the cities of Kent and Auburn, Washington</p>	<p>PROPOSED: Adding track; track rehabilitation; new high-speed turnouts; updates to and construction of new signal facilities; and widening two crossings by constructing new bridges.</p> <p>IN: TOWNSHIP RANGE SECTIONS T21N R4E S1, S12, S13, S24, S25; T22N R4E S36 COUNTY: King STATE: WA SHEET: 28 of 30 DATE: August 2013</p>
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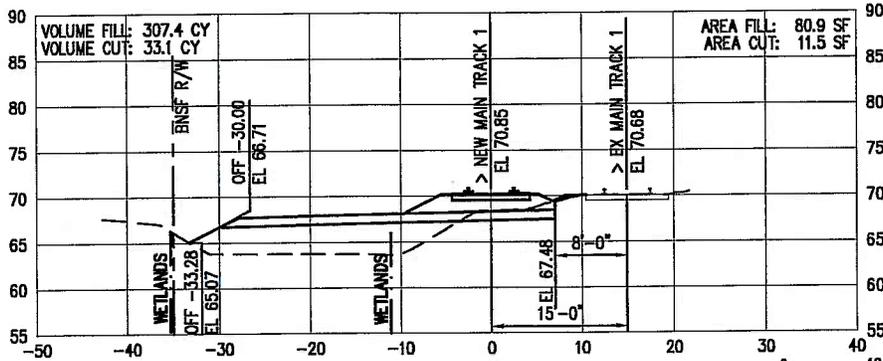
NWS-2013-922



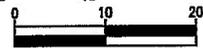
TYPICAL SECTION - WETLAND F (STATION 550+00, PLAN VIEW SHEET 16)



TYPICAL SECTION - WETLAND G (STATION 530+00, PLAN VIEW SHEET 19)



TYPICAL SECTION - WETLAND H
(STATION 516+00, PLAN VIEW SHEET 21)



SCALE (FEET)

PURPOSE: To provide capacity for additional commuter and interstate rail service.

HOR. DATUM:
NAD83 WA STATE PLANE NORTH
VER. DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
1. SEE JARPA FORM

PERMANENT & TEMPORARY IMPACTS TO WETLANDS SECTION VIEW

NAME: SEATTLE TO TACOMA SOUNDER COMMUTER RAIL EASEMENTS AND IMPROVEMENTS (EASEMENT 4)

REFERENCE #:

SITE LOCATION ADDRESS:

Project is located within the existing BNSF Seattle-to-Tacoma Rail Corridor, between the cities of Kent and Auburn, Washington

PROPOSED: Adding track; track rehabilitation; new high-speed turnouts; updates to and construction of new signal facilities; and widening two crossings by constructing new bridges.

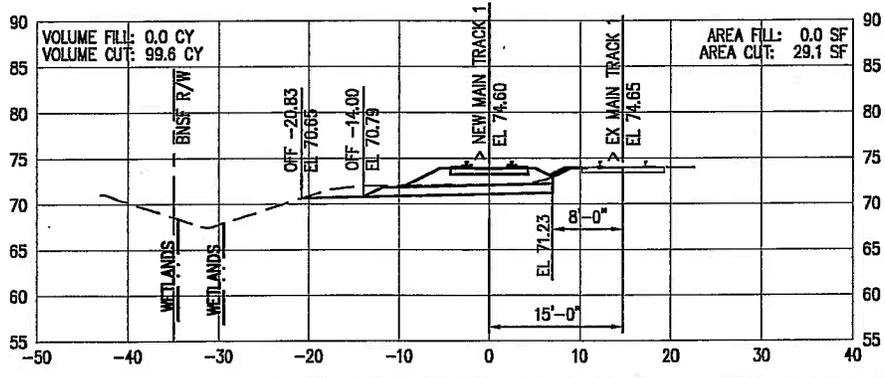
IN: TOWNSHIP RANGE SECTIONS
T21N R4E S1, S12, S13, S24, S25;
T22N R4E S36

COUNTY: King **STATE:** WA

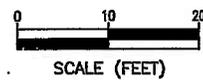
SHEET: 29 of 30

DATE: August 2013

NWS-2013-922



TYPICAL SECTION - WETLAND I (STATION 505+00, PLAN VIEW SHEET 23)



<p>PURPOSE: To provide capacity for additional commuter and interstate rail service.</p> <p>HOR. DATUM: NAD83 WA STATE PLANE NORTH</p> <p>VER. DATUM: NAVD88</p> <p>ADJACENT PROPERTY OWNERS: 1. SEE JARPA FORM</p>	<p>PERMANENT & TEMPORARY IMPACTS TO WETLANDS AND STREAMS SECTION VIEW</p> <p>NAME: SEATTLE TO TACOMA SOUNDER COMMUTER RAIL EASEMENTS AND IMPROVEMENTS (EASEMENT 4)</p> <p>REFERENCE #:</p> <p>SITE LOCATION ADDRESS: Project is located within the existing BNSF Seattle-to-Tacoma Rail Corridor, between the cities of Kent and Auburn, Washington</p>	<p>PROPOSED: Adding track; track rehabilitation; new high-speed turnouts; updates to and construction of new signal facilities; and widening two crossings by constructing new bridges.</p> <p>IN: TOWNSHIP RANGE SECTIONS T21N R4E S1, S12, S13, S24, S25; T22N R4E S36</p> <p>COUNTY: King STATE: WA</p> <p>SHEET: 30 of 30</p> <p>DATE: August 2013</p>
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NWS-2013-922