



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) 316-3822
ATTN: Andrew Shuckhart,
Project Manager

WA Department of Ecology
SEA Program
Post Office Box 47600
Olympia, WA 98504-7600
Telephone: (360) 407-6076
ATTN: SEA Program,
Federal Permit Coordinator

Public Notice Date: July 8, 2019
Expiration Date: August 6, 2019

Reference No: NWS-2018-1129-WRD
Name: Snohomish County Public Works (North Creek Regional Trail)

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 U.S. as described below and shown on the enclosed drawings dated November 2018.

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: Snohomish County Public Works
Attention: Stephanie Cotton
3000 Rockefeller Avenue MS 607
Everett, Washington 98201

Telephone: (425) 262-2480

LOCATION: In North Creek and adjacent wetlands near Mill Creek, Snohomish County, Washington.

WORK: Snohomish County Public Works proposes to construct a 2.8 mile trail between North Creek Park and Centennial Park to connect the Sammamish River/Burke-Gilman Trail in King County with the Snohomish County Regional Interurban Trail in Everett. The project includes both permanent and temporary impacts to aquatic resources. Permanent impacts include 2.2 acres of wetlands and 1.82 acres of buffer. Temporary impacts include 0.2 acres of wetlands, 1,557 linear feet of fish-bearing stream, 65 linear feet of non-fish bearing stream, and 0.87 acres of buffer.

The proposed trail is intended to safely accommodate bicyclists, pedestrians, runners, wheelchair users, in line skaters, and other non-motorized users. The trail would provide access to recreation, employment, and retail centers; improve local connections between communities and neighborhoods; provide an alternative to driving; encourage physical activity; and connect to other existing trails and pedestrian facilities. The trail would include side paths, separated trails, and elevated structures.

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PROJECT CONSTRUCTION DETAILS: Construction activities would include installation of temporary erosion and sedimentation control measures, and construction of temporary access roads; clearing and grubbing; removal of structures and obstructions; roadway excavation and embankment; installation of cement concrete sidewalk, and curb and gutter; installation of hot mix asphalt trail and roadway; construction of bridge and boardwalk structures, and retaining walls; installation of storm drainage, and utility relocations/adjustments; and landscaping and restoration.

DRAINAGE IMPROVEMENTS:

- Approximately 22,000 square feet of permeable pavement would be used for parking areas and sidewalk connections adjacent to the trail.
- One rain garden would be installed at the proposed parking lot on Winesap Road, along with three other smaller rain gardens along the length of the trail.
- Approximately 17,000 square feet of modified infiltration trenches or infiltration chambers would be installed under the trail that would provide similar functions as rain gardens and permeable pavement.
- Two detention/flow control tanks and two cement concrete detention/flow control vaults would be installed along the proposed side path trail, adjacent to existing roadways.
- Approximately 1,500 linear feet of french drains would also be installed along with conveyance storm drain piping and new catch basin structures.

PURPOSE: The purpose of this project is transportation and recreational development.

ADDITIONAL INFORMATION: The wetland boundaries and/or location of the ordinary high water mark/ line of mean high water/ mean higher high water shown on the project drawings have not yet been verified by the U.S. Army Corps of Engineers (Corps). If the Corps determines the boundaries of the wetland/waters are substantially inaccurate a new public notice may be published.

MITIGATION: The overall goal of the on-site, in-kind permittee-responsible mitigation is to replace the habitats and functions lost by construction of the North Creek Regional Trail facility. The proposed mitigation would accomplish this by creating, enhancing and preserving wetlands and buffers, and enhancing in and off-channel stream habitat. Mitigation is intended to provide the following functions: Storage of floodwaters; Retention of sediments and nutrients; Organic matter production for export to downstream sites; Stream habitat; and Wildlife habitat.

Goals for the mitigation include the following:

- (1) Improve fish access, stream channel complexity and connectivity with the floodplain and adjacent stream reaches: create back-water habitats; install root wads and large woody debris; remove rip-rap along stream channel; prevent development of the site by protecting it as Critical Area Protection Areas (CAPA); and remove existing fill adjacent to stream channel.
- (2) Increase Large Woody Debris by installing root wads and large woody debris in stream channel to create channel complexity and add large woody debris to floodplain areas.
- (3) Improve riparian conditions: remove existing impervious surface from the site including single family residence; Plant native shrubs and trees to replace lawn and landscape plants; and prevent development of the site by protecting it as CAPA.

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- (4) Reduce stream water temperatures by planting native vegetation along the stream channel to provide shade.
- (5) Increase dissolved oxygen in North Creek and improve habitat for long-lived and “clinger” invertebrate species by creating areas of pools and riffles to increase oxygen levels in the stream.

The below table summarizes the proposed mitigation:

| Proposed Mitigation |
|---|
| Enhance 3.00 acres of Category II forested/shrub wetland (Wetland K) Enhance 4.6 acres of Category I emergent wetland (North and Nickel Creek) |
| Preserve 6.36 acres of Category II forested/shrub wetland |
| Create 0.26 acres of forested stream and wetland buffer Enhance 0.22 acres of stream and wetland buffer |
| Create 1.5 acres of forested/shrub wetland (Wetland K) Create 0.35 acres of off-channel stream habitat |
| Enhance 742 linear feet of North Creek Enhance approximately 350 linear feet of Nickel Creek |

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. After receipt of comments from this public notice, the U.S. Army Corps of Engineers will evaluate the potential impacts to proposed and/or listed species and their designated critical habitat.

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 proposed action would impact EFH in the project area. If the U.S. Army Corps of Engineers (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 Corps has reviewed the latest published version of the National Register of Historic Places, Washington Information System for Architectural and Archaeological Records Data and other sources of information. A historic properties investigation has been conducted within the permit area. No historic properties determined eligible for or listed on the National Register of Historic Places were found to exist within the permit area. The Corps invites responses to this public notice from Native American Tribes or Tribal governments; Federal, State, and local agencies; historical and archeological societies; and other parties likely to

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have knowledge of or concerns regarding historic properties and sites of religious and cultural significance at or near the project area. After receipt of comments from this public notice, the Corps will evaluate potential impacts and consult with the State Historic Preservation Officer and Native American Tribes in accordance with Section 106 of the National Historic Preservation Act, as appropriate.

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 United States.

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. 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 authorizing the work would not be contrary to the public interest. 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 commenter'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.

NWS-2018-1129-WRD, Snohomish County Public Works (North Creek Regional Trail)

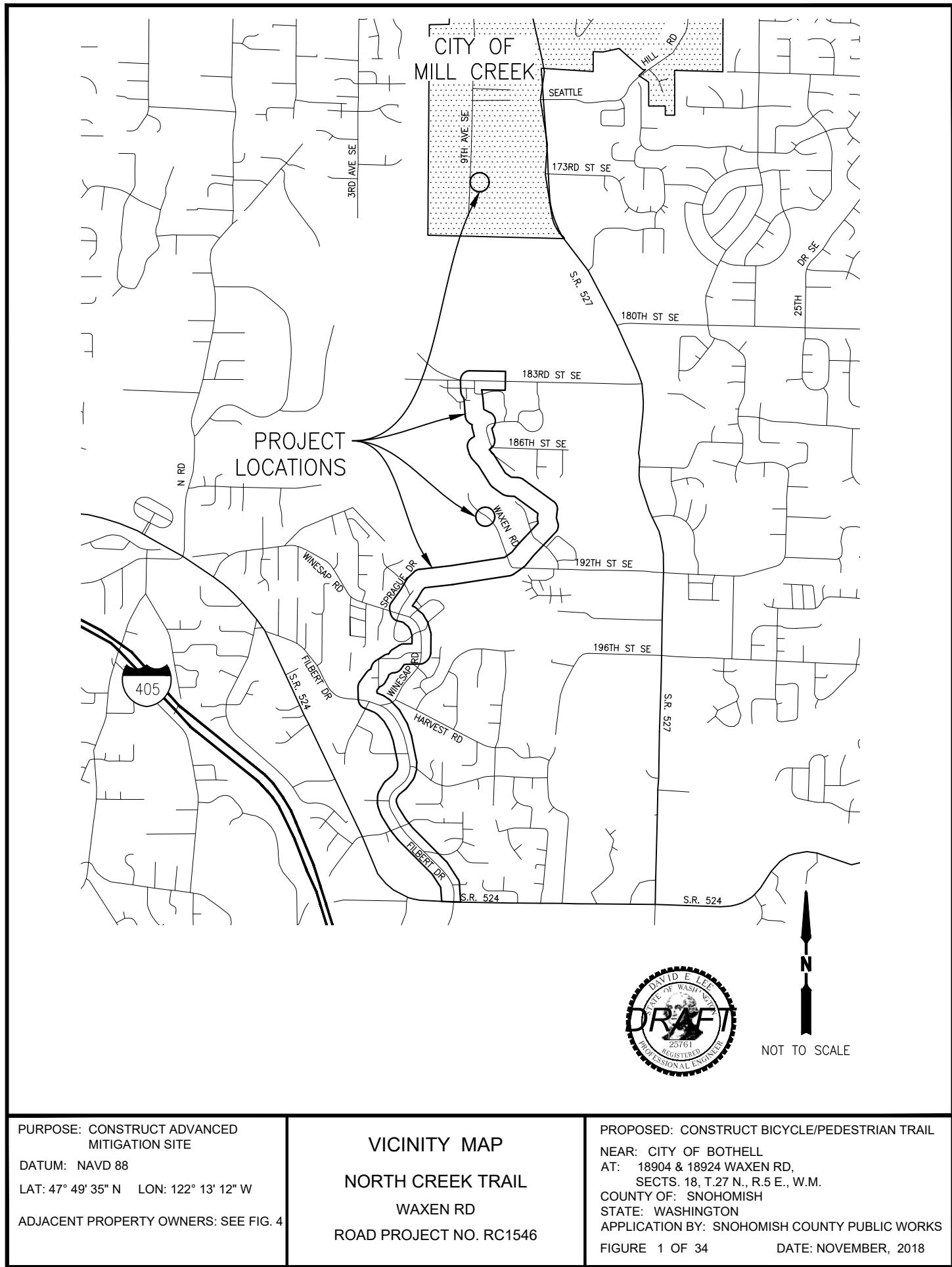
CORPS COMMENTS: All e-mail comments should be sent to andrew.j.shuckhart@usace.army.mil

Conventional mail comments should be sent to: U.S. Army Corps of Engineers, Regulatory Branch, Attention: Andrew Shuckhart, 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, Post Office 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: Snohomish County Public Works (North Creek Regional Trail) NWS-2018-1129-WRD

Encl: Figures (34)



PURPOSE: CONSTRUCT ADVANCED MITIGATION SITE
DATUM: NAVD 88
LAT: 47° 49' 35" N LON: 122° 13' 12" W
ADJACENT PROPERTY OWNERS: SEE FIG. 4

CITY OF
MILL CREEK

USACE Ref#: NWS-2018-1129-WRD

SHEET INDEX

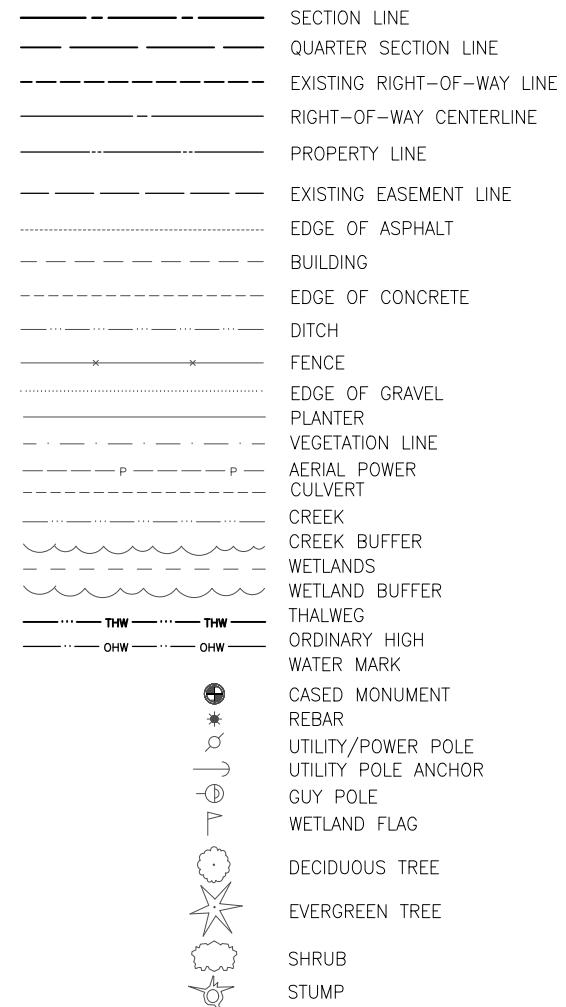
| SHEET NAME | SHEET # | SHEET NAME | SHEET # |
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| HABITAT DETAILS 2 | 12 | DAVID LEE, P.E., PROJECT MANAGER SNOHOMISH COUNTY PUBLIC WORKS 3000 ROCKEFELLER AVE. M/S 607 EVERETT, WA. 98201 425-388-6694 | |
| PLANTING PLAN | 13 | | |
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| WETLAND R | 15 | | |
| WETLAND R & L | 16 | | |
| WETLAND N2 & GREENING CREEK | 17-18 | STEPHANIE COTTON, SENIOR PLANNER SNOHOMISH COUNTY PUBLIC WORKS 3000 ROCKEFELLER AVE. M/S 607 EVERETT, WA. 98201 425-262-2481 | |
| WETLAND N1 & P & FILBERT CREEK | 19-20 | | |
| WETLAND K & STREAM A | | | |
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PURPOSE: CONSTRUCT ADVANCED MITIGATION SITE
 DATUM: NAVD 88
 LAT: 47° 49' 35" N LON: 122° 13' 12" W

SHEET INDEX, NOTES & LEGEND
NORTH CREEK TRAIL
 208TH ST SE - 183RD ST SE
 ROAD PROJECT NO. RC1546

PROPOSED: CONSTRUCT BICYCLE/PEDESTRIAN TRAIL
 NEAR: CITY OF BOTHELL
 AT: 18904 & 18924 WAXEN RD,
 SECTS. 18, T.27 N., R.5 E., W.M.
 COUNTY OF: SNOHOMISH
 STATE: WASHINGTON
 APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS
 FIGURE 2 OF 34 DATE: NOVEMBER, 2018

LEGEND



ADJACENT PROPERTY OWNERS

| (X) | PARCEL | OWNER | PROPERTY ADDRESS |
|-----|----------------|---|--|
| 1 | 27051900300200 | SNOHOMISH CO PROP MGMT | UNKNOWN |
| 2 | 00373002000300 | NEW LIFE FELLOWSHIP UNITED PENTECOSTAL | 20618 FILBERT DR, BOTHELL, WA 98012 |
| 3 | 00373002000101 | K & TS LIMITED PARTNERSHIP | 20512 FILBERT DR, BOTHELL, WA 98012 |
| 4 | 01106900000100 | EDDIES M VAHABNIJAD & NAHID SALIMI | 506 NELLIS RD, UNIT A, BOTHELL, WA 98012 |
| 5 | 00702200009800 | SUNDQUIST CONSTRUCTION INC | UNKNOWN |
| 6 | 27051900200100 | SNOHOMISH COUNTY PUBLIC WORKS | UNKNOWN |
| 7 | 00373002101502 | KIM MYONG HO & IN-AENG | 403 203RD ST SE, BOTHELL, WA 98012 |
| 8 | 00373002101401 | JOHN FRAWLEY | 20132 FILBERT DR, BOTHELL, WA 98012 |
| 9 | 00373002101404 | DANIEL R & BETTY J SCHULTZ | 20128 FILBERT DR, BOTHELL, WA 98012 |
| 10 | 00646700000100 | STEVEN P & MOLLY M KUNZE | 432 201ST ST SE, BOTHELL, WA 98012 |
| 11 | 00373002101200 | REORGANIZED CHURCH OF LDS-BOTHELL | 20012 FILBERT DR, BOTHELL, WA 98012 |
| 12 | 00373002101106 | JARED S & KAITLYN E MCKINNEY | 19918 FILBERT DR, BOTHELL, WA 98012 |
| 13 | 27051800300101 | SNOHOMISH COUNTY PROPERTY MGMT | UNKNOWN |
| 14 | 01066200099700 | SUMMIT RIDGE HOA | UNKNOWN |
| 15 | 00373000800803 | GEOFF & KATHLYNN E KINSEY & HARDEEP S LOTAY | 19218 SPRAGUE DR , BOTHELL, WA 98012 |
| 16 | 00373000800804 | CHRISTOPHER J WOOD | 19222 SPRAGUE DR , BOTHELL, WA 98012 |
| 17 | 00373000901202 | ANDREW J & DANA A SONES | 19112 WAXEN RD , BOTHELL, WA 98012 |
| 18 | 00373001100700 | BURTON FARMS LTD PTNRSHIP | UNKNOWN |
| 19 | 00373001100900 | SYS LLC | 19208 WAXEN RD, BOTHELL, WA 98012 |
| 20 | 00373000901300 | STEVEN & POLLY GUSTAFSON | 19128 WAXEN RD SE , BOTHELL, WA 98012 |
| 21 | 01043800199300 | FOXGLOVE MEADOW HOMEOWNERS ASSOCIATION | UNKNOWN |
| 22 | 01043800104400 | KUMAR PALADUGU ANIL & SOWJANYA RAVURI | 19022 13TH AVE SE, BOTHELL, WA 98012 |
| 23 | 01043800200600 | FRANCISCO P BERNABE | 1318 190TH ST SE, BOTHELL, WA 98012 |
| 24 | 01043800299200 | FOXGLOVE MEADOW HOMEOWNERS ASSOCIATION | UNKNOWN |
| 25 | 27051800404600 | MCCLURE PROPERTIES LLC | UNKNOWN |
| 26 | 27051800404300 | MCCLURE PROPERTIES LLC | 1608 188TH PL SE, BOTHELL, WA 98012 |
| 27 | 01006900099400 | COPPER CREEK HOA | UNKNOWN |
| 28 | 01043800201600 | CLARK MAHALATH | 18831 13TH AVE SE, BOTHELL, WA 98012 |
| 29 | 00373001000102 | PUBLIC UTILITY DIST 1 SNO CO | UNKNOWN |
| 30 | 01144900000800 | ROGER J WITTE JR | 18811 10TH DR SE, BOTHELL, WA 98012 |
| 31 | 27051800203500 | SNOHOMISH CO PROP MGMT | UNKNOWN |
| 32 | 01008000000100 | VERONICA M & EMMANUEL D CALAYAN | 18602 10TH AVE SE, BOTHELL, WA 98012 |
| 33 | 01006600002900 | MICHAEL & RENEE HERMES | 18323 8TH DR SE, BOTHELL, WA 98012 |
| 34 | 00373000901500 | SYLVAN H DYKSTRA | 19020 WAXEN RD, BOTHELL, WA 98012 |
| 35 | 00373000901100 | SYLVAN H DYKSTRA | UNKNOWN |
| 36 | 00373000900901 | SNOHOMISH COUNTY PUBLIC WORKS | UNKNOWN |
| 37 | 00373000900700 | SNOHOMISH COUNTY PUBLIC WORKS | UNKNOWN |
| 38 | 00373000901900 | SUSAN T BROWN RESIDENCE TRUST & KENNETH R BROWN | 18816 WAXEN RD, BOTHELL, WA 98012 |
| 39 | 00602000001103 | DAVID & SHARON HULTEN LIVING TRUST | UNKNOWN |
| 40 | 00602000001102 | GREGORY G ALLEN, ELIZABETH ALLEN, CHRISTOPHER L ALLEN, SUSAN M HAFFIE, SALLY L GRAY, JAMES T MARTIN & JOHN R MARTIN III | UNKNOWN |



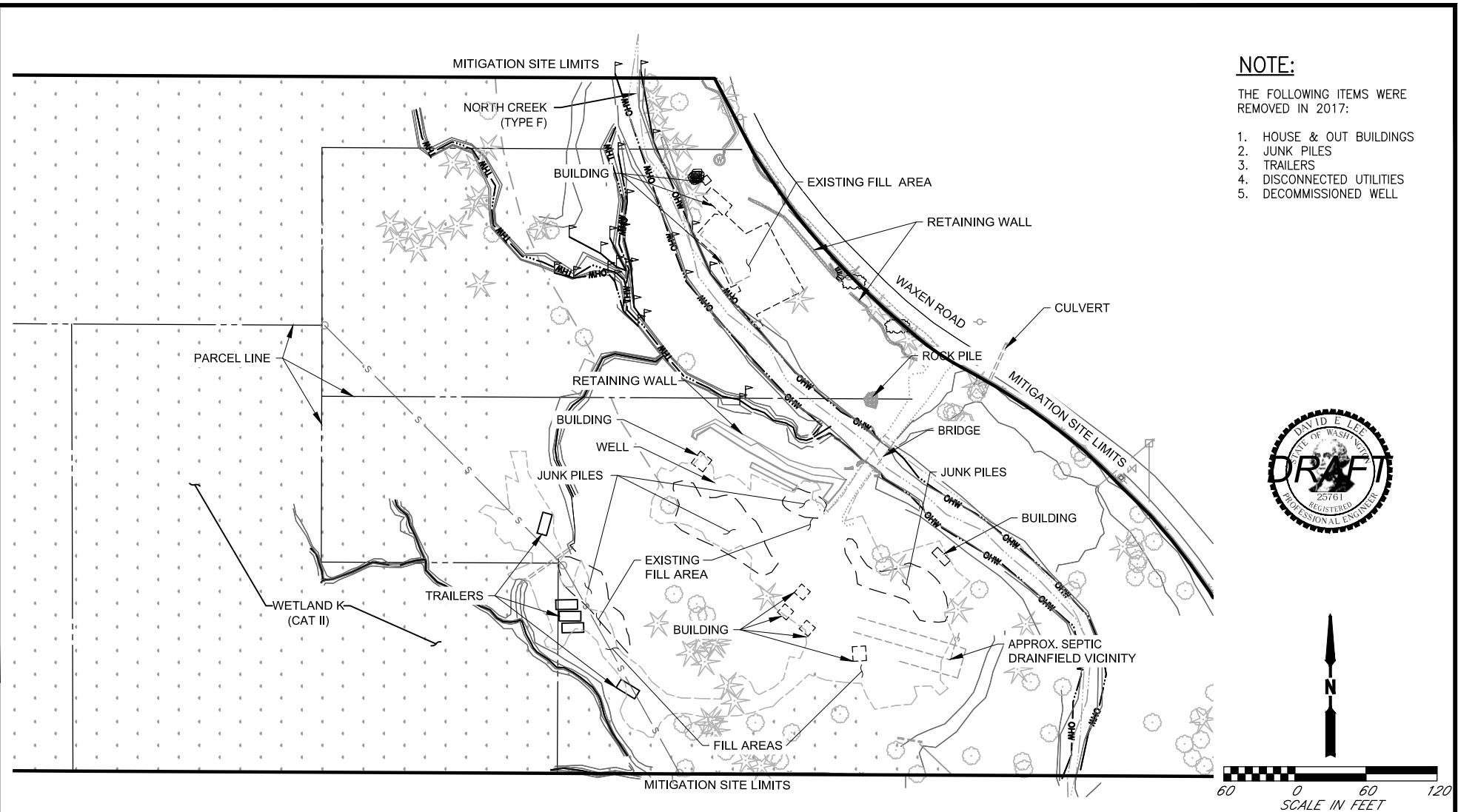
PURPOSE: CONSTRUCT TRAIL &
ADVANCED MITIGATION SITE
DATUM: NAVD 88
LAT: 47° 49' 35" N LON: 122° 13' 12" W

ADJACENT PROPERTY OWNERS

NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
ROAD PROJECT NO. RC1546

NEAR: CITY OF BOTHELL
AT: SECTS. 18 & 19, T.27 N., R.5 E., W.M.

COUNTY OF: SNOHOMISH
STATE: WASHINGTON
APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS
FIGURE 3 OF 34 DATE: NOVEMBER, 2018

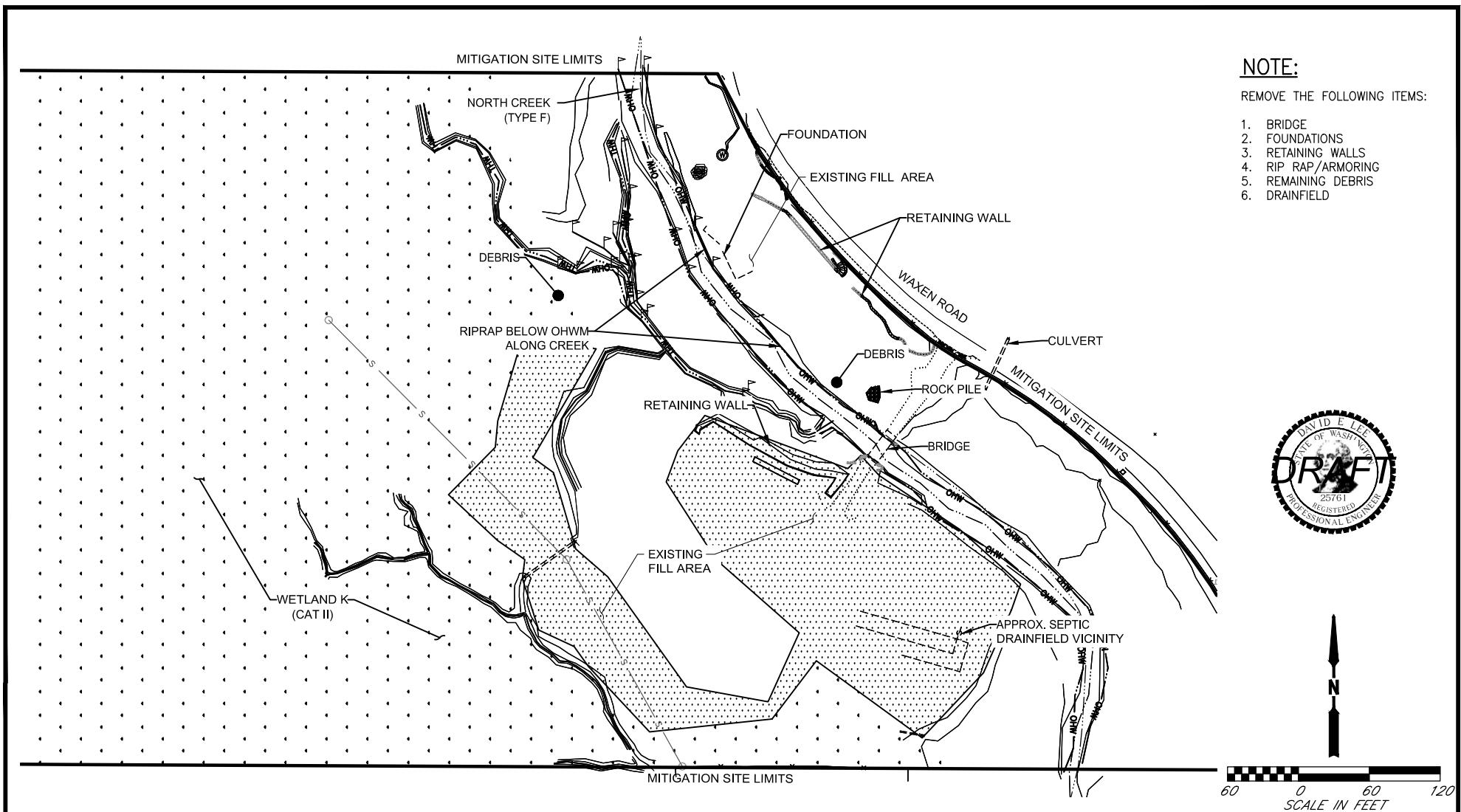


PURPOSE: CONSTRUCT ADVANCED MITIGATION SITE
DATUM: NAVD 88
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WAXEN ROAD MITIGATION SITE CONDITION AT PURCHASE

NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
ROAD PROJECT NO. RC1546

NEAR: CITY OF BOTHELL
AT: 18904 & 18924 WAXEN RD,
SECTS. 18, T.27 N., R.5 E., W.M.
COUNTY OF: SNOHOMISH
STATE: WASHINGTON
APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS
FIGURE 4 OF 34 DATE: NOVEMBER, 2018



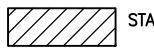
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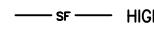
WAXEN ROAD MITIGATION PLAN
CURRENT EXISTING CONDITION
NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
ROAD PROJECT NO. RC1546

NEAR: CITY OF BOTHELL
AT: 18904 & 18924 WAXEN RD,
SECTS. 18, T.27 N., R.5 E., W.M.
COUNTY OF: SNOHOMISH
STATE: WASHINGTON
APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS
FIGURE 5 OF 34 DATE: NOVEMBER, 2018

LEGEND:

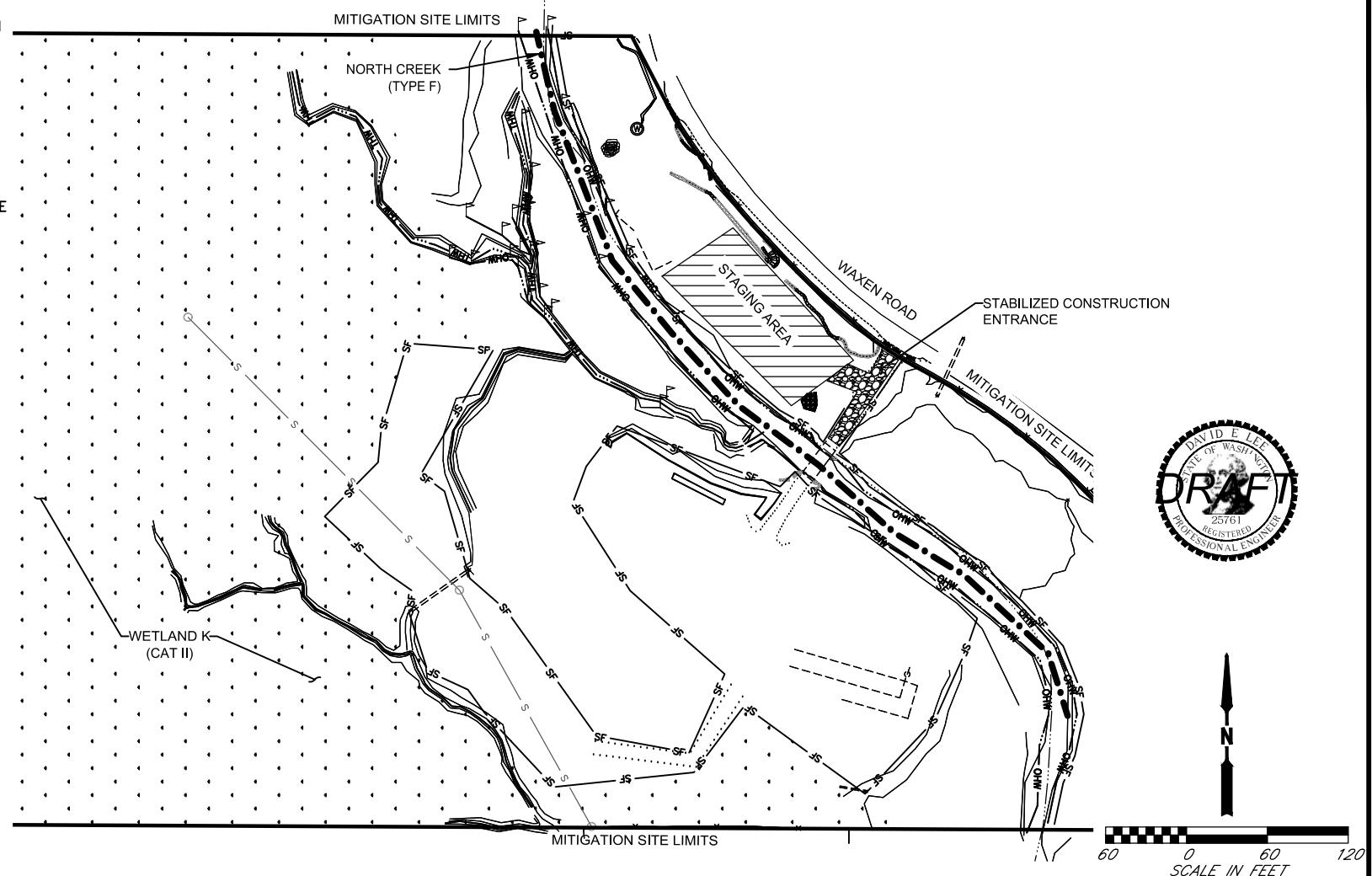
 STABILIZED CONSTRUCTION ENTRANCE

 STAGING AREA

 SF HIGH VISIBILITY SILT FENCE

 TEMPORARY ROAD

 INSTREAM ISOLATION



PURPOSE: CONSTRUCT ADVANCED MITIGATION SITE

DATUM: NAVD 88

LAT: 47° 49' 35" N LON: 122° 13' 12" W

MITIGATION SITE TESC & DIVERSION PLAN NORTH CREEK TRAIL 208TH ST SE - 183RD ST SE ROAD PROJECT NO. RC1546

NEAR: CITY OF BOTHELL
AT: 18904 & 18924 WAXEN RD,
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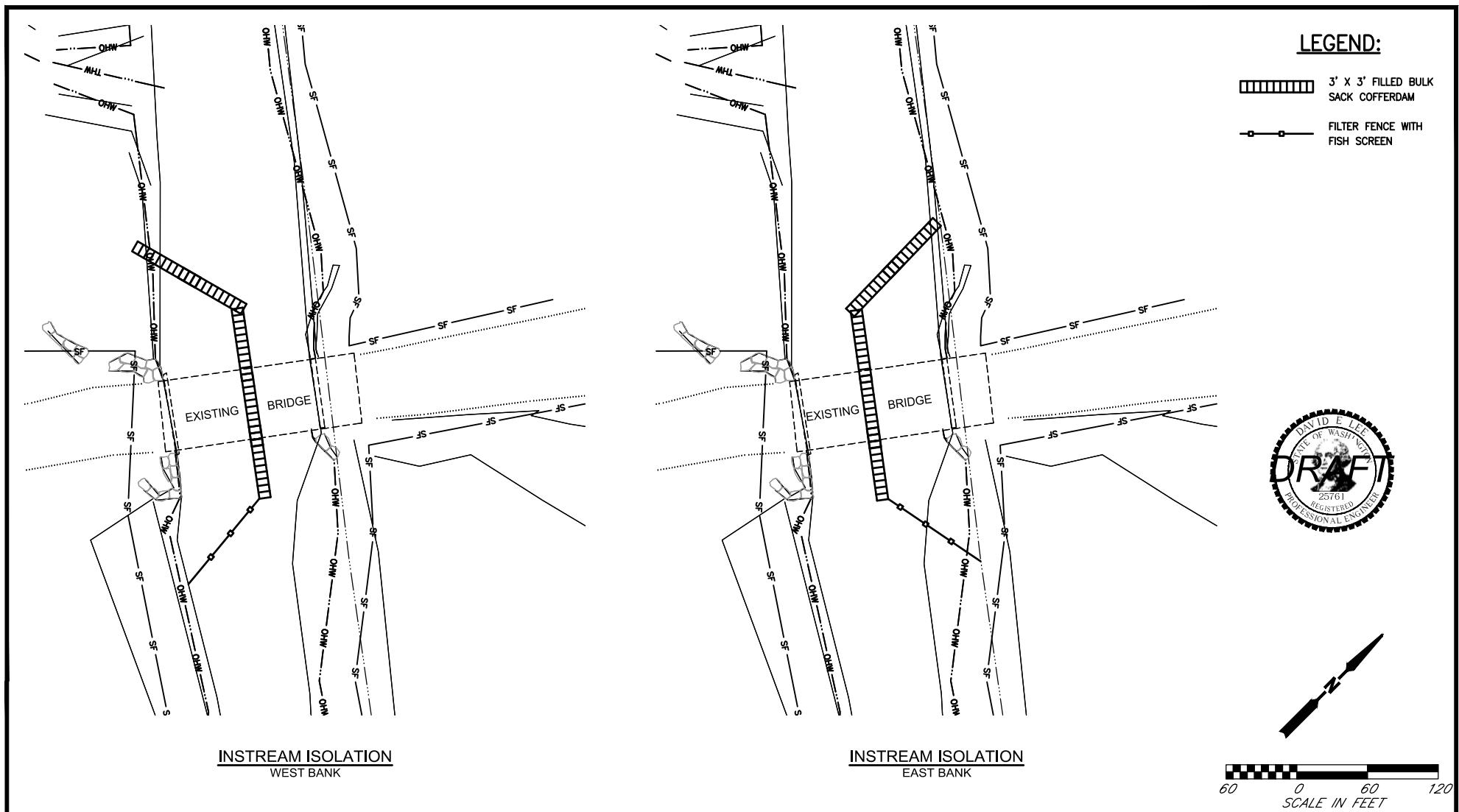
COUNTY OF: SNOHOMISH

STATE: WASHINGTON

APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS

FIGURE 6 OF 34

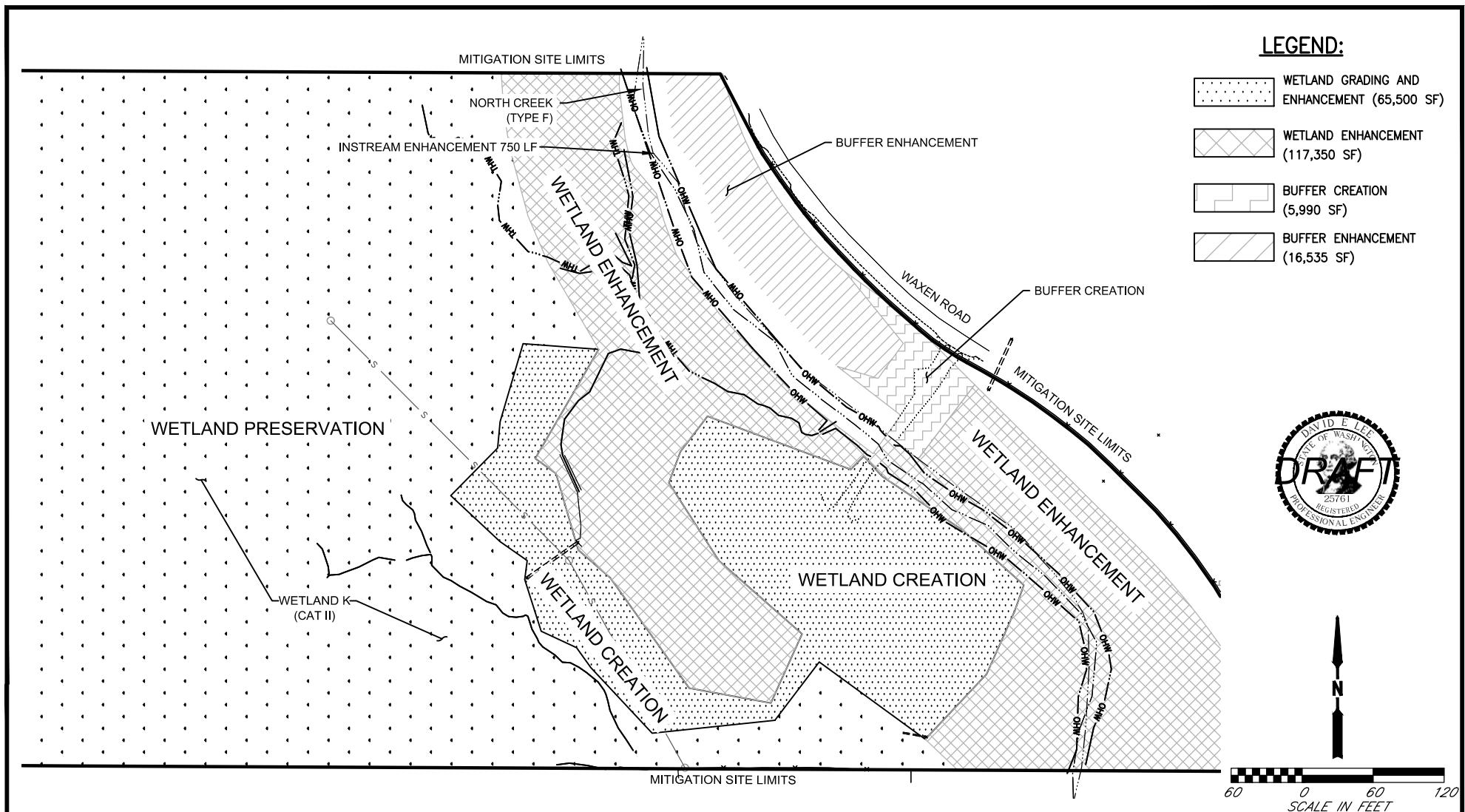
DATE: NOVEMBER, 2018



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MITIGATION SITE
TESC & DIVERSION PLAN
NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
ROAD PROJECT NO. RC1546

NEAR: CITY OF BOTHELL
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APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS
FIGURE 7 OF 34 DATE: NOVEMBER, 2018

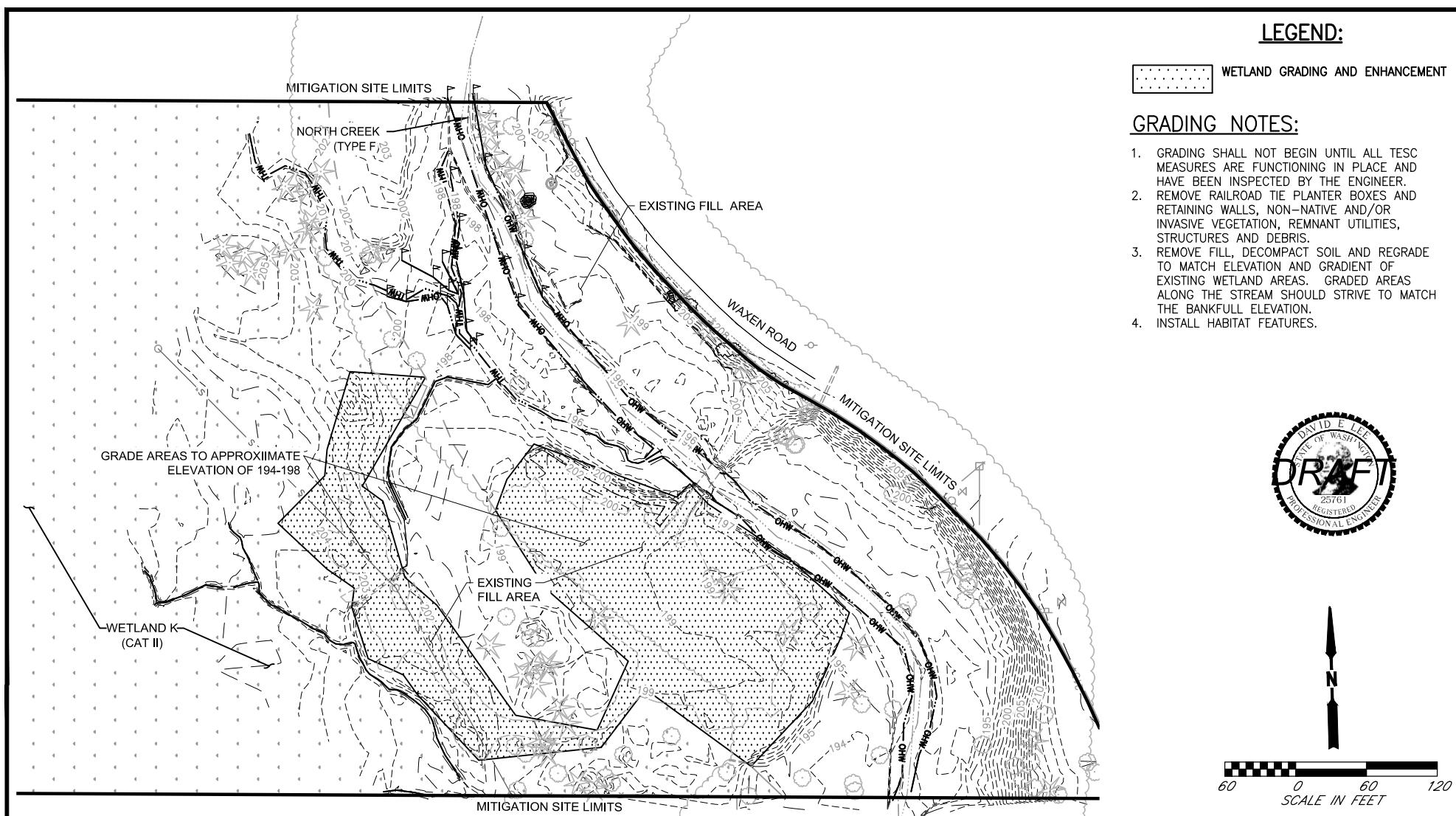


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MITIGATION PLAN ENHANCEMENT AREAS

NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
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NEAR: CITY OF BOTHELL
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SECTS. 18, T.27 N., R.5 E., W.M.
COUNTY OF: SNOHOMISH
STATE: WASHINGTON
APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS
FIGURE 8 OF 34 DATE: NOVEMBER, 2018

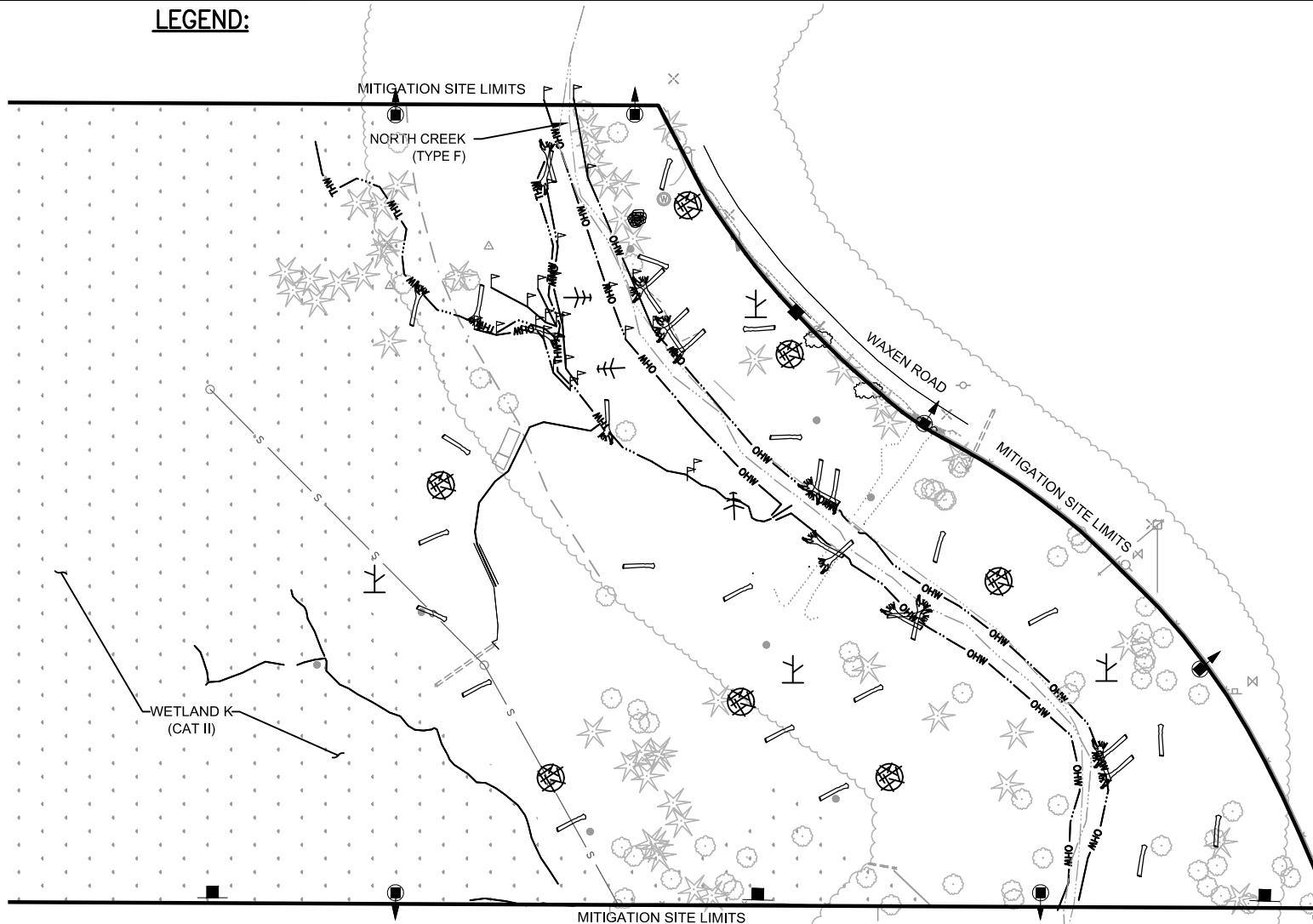


PURPOSE: CONSTRUCT ADVANCED MITIGATION SITE
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LAT: 47° 49' 35" N LON: 122° 13' 12" W

**MITIGATION SITE
GRADING PLAN**
NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
ROAD PROJECT NO. RC1546

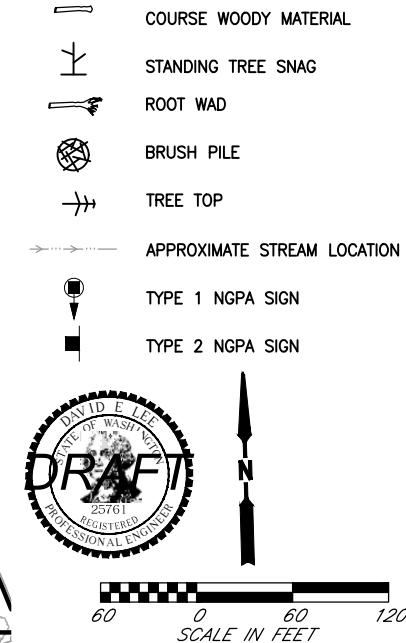
NEAR: CITY OF BOTHELL
AT: 18904 & 18924 WAXEN RD,
SECTS. 18, T.27 N., R.5 E., W.M.
COUNTY OF: SNOHOMISH
STATE: WASHINGTON
APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS
FIGURE 9 OF 34 DATE: NOVEMBER, 2018

LEGEND:



NGPA NOTES:

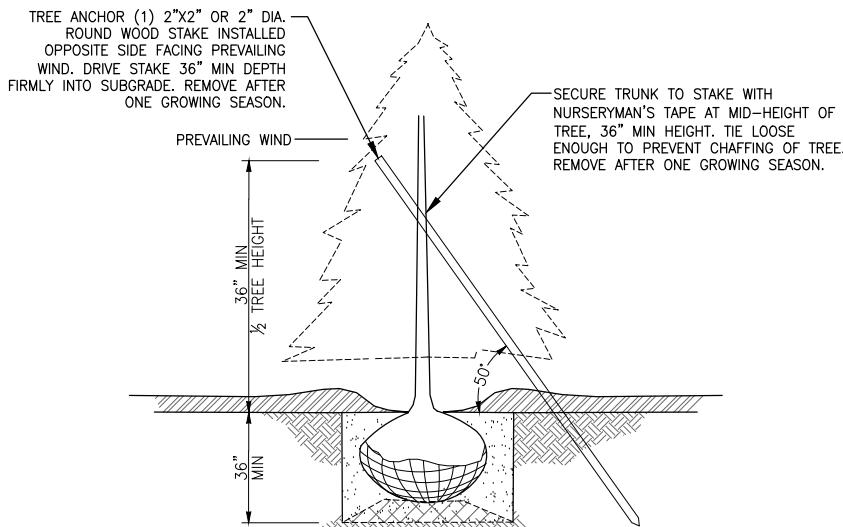
1. NGPA (NATIVE GROWTH PROTECTION AREA) FLEXIBLE GUIDEPOSTS TYPE 2 SIGN, WITH ANCHORS PER THE SPECIAL PROVISIONS, LETTERING SHALL FACE AS SHOWN BY ARROWS. GUIDEPOSTS SHALL BE PLACED AS SHOWN ON THE PLAN & DIRECTED BY THE ENGINEER.
2. NGPA TYPE 1 SIGN LOCATIONS. SIGNS SHALL BE PLACED AS SHOWN ON THE PLAN & DIRECTED BY THE ENGINEER.



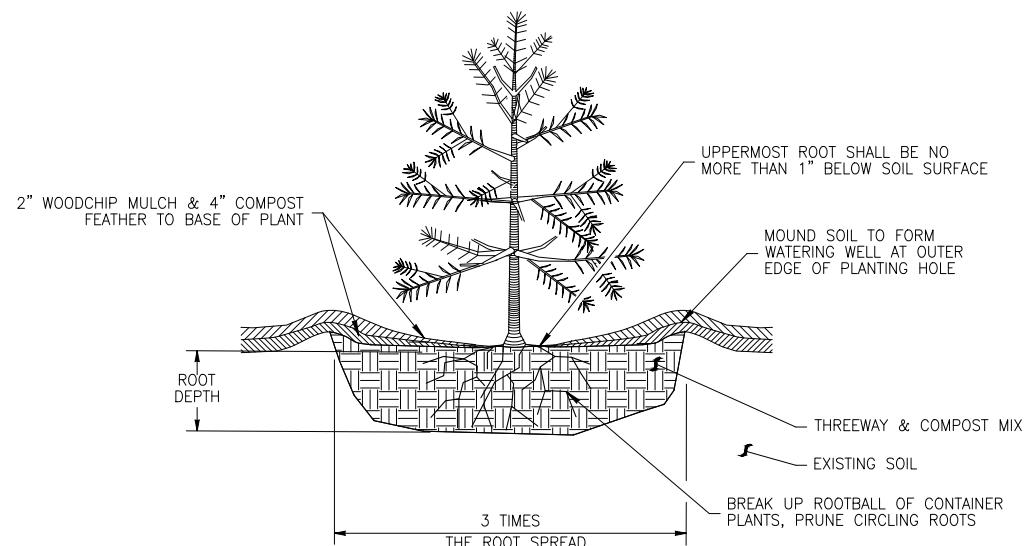
PURPOSE: CONSTRUCT ADVANCED MITIGATION SITE
DATUM: NAVD 88
LAT: 47° 49' 35" N LON: 122° 13' 12" W

**MITIGATION SITE
HABITAT RESTORATION PLAN**
NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
ROAD PROJECT NO. RC1546

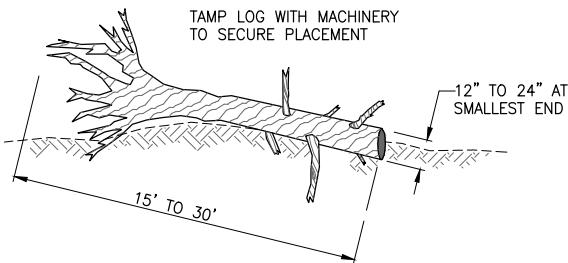
NEAR: CITY OF BOTHELL
AT: 18904 & 18924 WAXEN RD,
SECTS. 18, T.27 N., R.5 E., W.M.
COUNTY OF: SNOHOMISH
STATE: WASHINGTON
APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS
FIGURE 10 OF 34 DATE: NOVEMBER, 2018



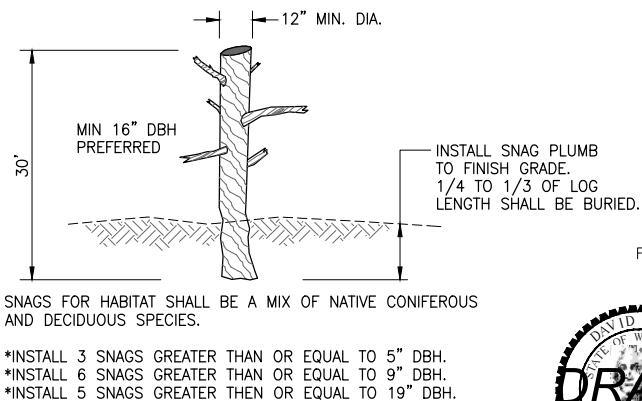
TREE STAKING DETAIL
N.T.S.



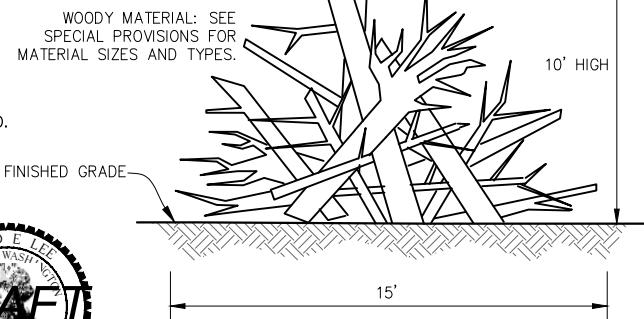
SHRUB AND TREE PLANTING DETAIL
N.T.S.



COARSE WOODY MATERIAL DETAIL
N.T.S.



STANDING TREE SNAG DETAIL
N.T.S.



BRUSH PILE DETAIL
N.T.S.

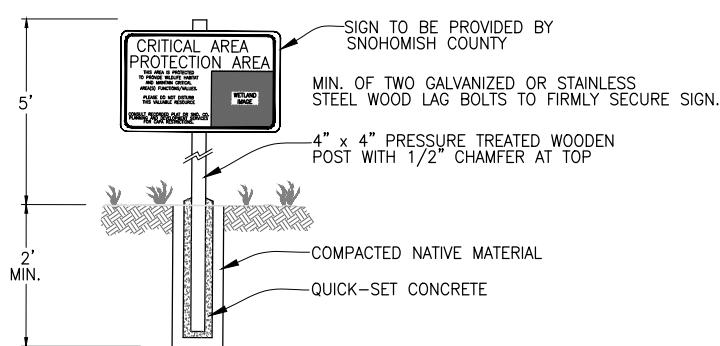
PURPOSE: CONSTRUCT ADVANCED MITIGATION SITE
DATUM: NAVD 88
LAT: 47° 49' 35" N LON: 122° 13' 12" W

**MITIGATION SITE
HABITAT DETAILS**
NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
ROAD PROJECT NO. RC1546

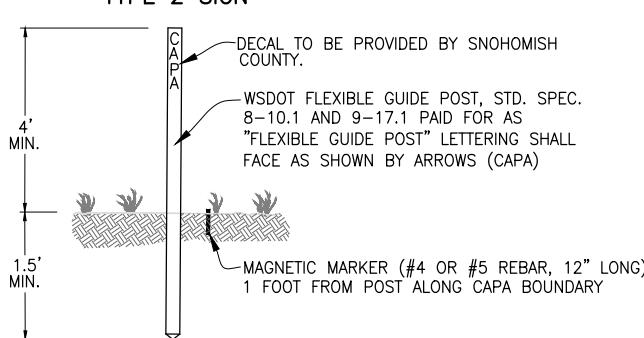
NEAR: CITY OF BOTHELL
AT: 18904 & 18924 WAXEN RD,
SECTS. 18, T.27 N., R.5 E., W.M.
COUNTY OF: SNOHOMISH
STATE: WASHINGTON
APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS
FIGURE 11 OF 34 DATE: NOVEMBER, 2018



TYPE 1 SIGN



TYPE 2 SIGN



CRITICAL AREA PROTECTION AREA

TYPICAL SIGNS

N.T.S.

PURPOSE: CONSTRUCT ADVANCED MITIGATION SITE

DATUM: NAVD 88

LAT: 47° 49' 35" N LON: 122° 13' 12" W

MITIGATION SITE
HABITAT DETAILS

NORTH CREEK TRAIL

208TH ST SE - 183RD ST SE

ROAD PROJECT NO. RC1546

NEAR: CITY OF BOTHELL
AT: 18904 & 18924 WAXEN RD,
SECTS. 18, T.27 N., R.5 E., W.M.

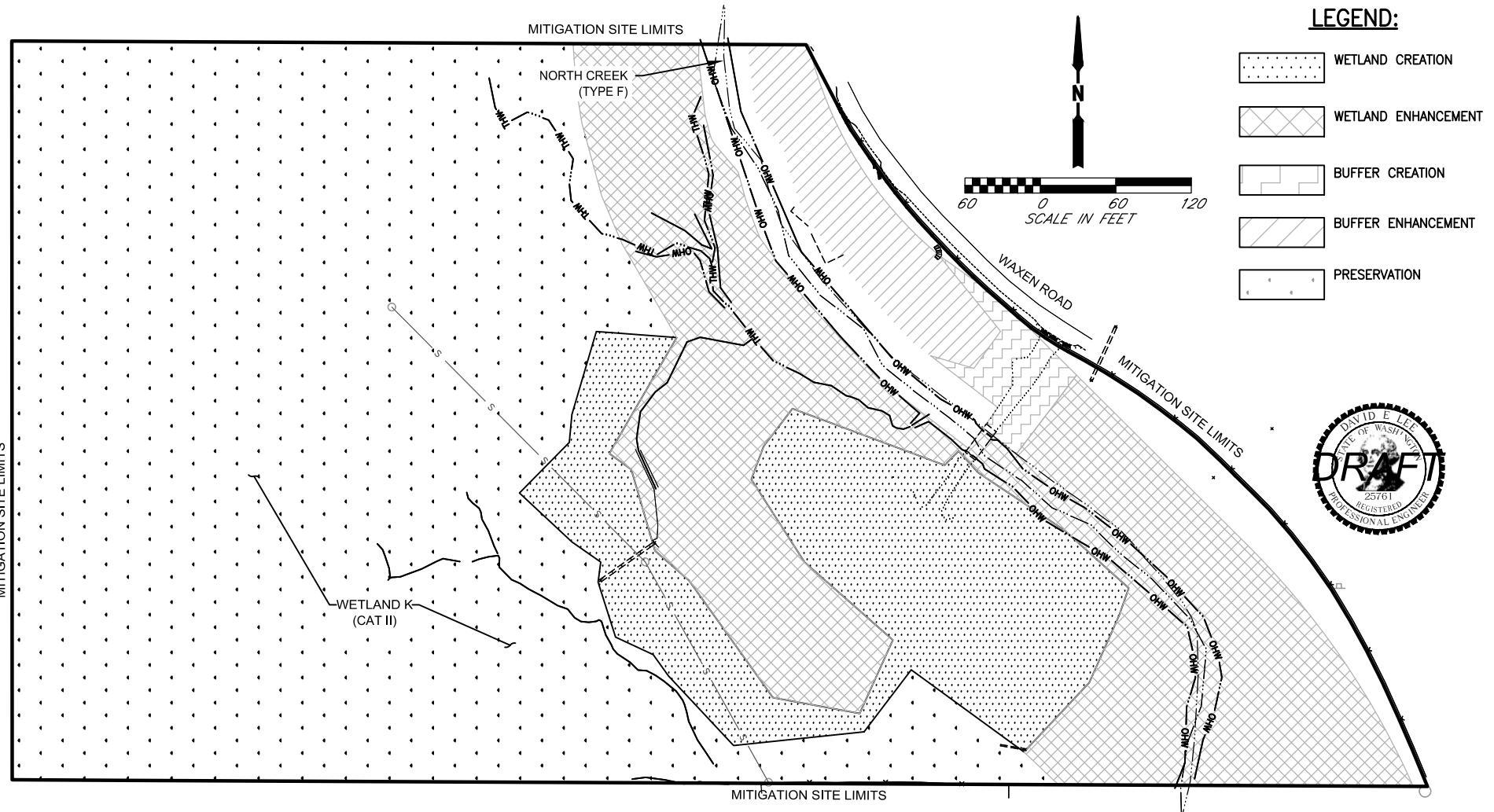
COUNTY OF: SNOHOMISH

STATE: WASHINGTON

APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS

FIGURE 12 OF 34

DATE: NOVEMBER, 2018



PURPOSE: CONSTRUCT ADVANCED MITIGATION SITE
DATUM: NAVD 88
LAT: 47° 49' 35" N LON: 122° 13' 12" W

WAXEN ROAD MITIGATION SITE PLANTING PLAN

NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
ROAD PROJECT NO. RC1546

NEAR: CITY OF BOTHELL
AT: 18904 & 18924 WAXEN RD,
SECTS. 18, T.27 N., R.5 E., W.M.
COUNTY OF: SNOHOMISH
STATE: WASHINGTON
APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS
FIGURE 13 OF 34 DATE: NOVEMBER, 2018

| WAXEN ROAD MITIGATION SITE PLANT SPECIES TOTALS | | | |
|--|-----------------------|------------------------|--------------|
| SCIENTIFIC NAME | COMMON NAME | CONTAINER SIZE | NUMBER |
| TREES | | | |
| TSUGA HETERPHYLLA | WESTERN HEMLOCK | 2 GAL | 80 |
| PSEUDOTSUGA MENZIESII | DOUGLAS FIR | 2 GAL | 80 |
| THUJA PLICATA | WESTERN RED CEDAR | 2 GAL | 385 |
| PICEA Sitchensis | SITKA SPRUCE | 2 GAL | 385 |
| POPULUS TRICHOCARPA | BLACK COTTONWOOD | 2 GAL | 295 |
| RHAMNUS PURSHIANA | CASCARA | 2 GAL | 265 |
| BETULA PAPYRIFERA | PAPER BIRCH | 2 GAL | 270 |
| TOTAL: | | | <u>1,760</u> |
| SHRUBS | | | |
| OEMLERIA CERASIFORMIS | INDIAN PLUM | 1 GAL | 55 |
| RIBES SANGUINUM | RED-FLOWERING CURRENT | 1 GAL | 40 |
| ACER CIRCINATUM | VINE MAPLE | 1 GAL | 75 |
| AMERLANCHIER ALNIFOLIA | SERVICEBERRY | 1 GAL | 50 |
| ROSA NUTKANA | NOOTKA ROSE | 1 GAL | 45 |
| SYMPHORICARPOS ALBUS | SNOWBERRY | 1 GAL | 45 |
| LONICERA INVOLUCRATA | BLACK TWINBERRY | 1 GAL | 25 |
| CRATAEGUS DOUGLASII | BLACK HAWTHORN | 1 GAL | 400 |
| PHYSOCARPUS CAPITATUS | PACIFIC NINEBARK | 1 GAL | 500 |
| RUBUS SPECTABILIS | SALMONBERRY | 1 GAL | 580 |
| ROSA PISOCARPA | CLUSTERED ROSE | 1 GAL | 375 |
| MALUS FUSCA | WESTERN CRABAPPLE | 1 GAL | 400 |
| RUBUS PARVIFLORUS | RED-OSIER DOGWOOD | 1 GAL | 340 |
| TOTAL: | | | <u>2,930</u> |
| WILLOWS | | | |
| SALIX LASIANDRA | PACIFIC WILLOW | 1 GAL | 270 |
| SALIX Sitchensis | SITKA WILLOW | 1 GAL | 40 |
| SALIX SCOULERIANA | SCOULER'S WILLOW | 1 GAL | 40 |
| SALIX LASIANDRA | PACIFIC WILLOW | ¾ TO 1 IN. DIAM. POLES | 465 |
| SALIX Sitchensis | SITKA WILLOW | ¾ TO 1 IN. DIAM. POLES | 465 |
| SALIX SCOULERIANA | SCOULER'S WILLOW | ¾ TO 1 IN. DIAM. POLES | 465 |
| TOTAL: | | | <u>1,745</u> |

PLANTING NOTES:

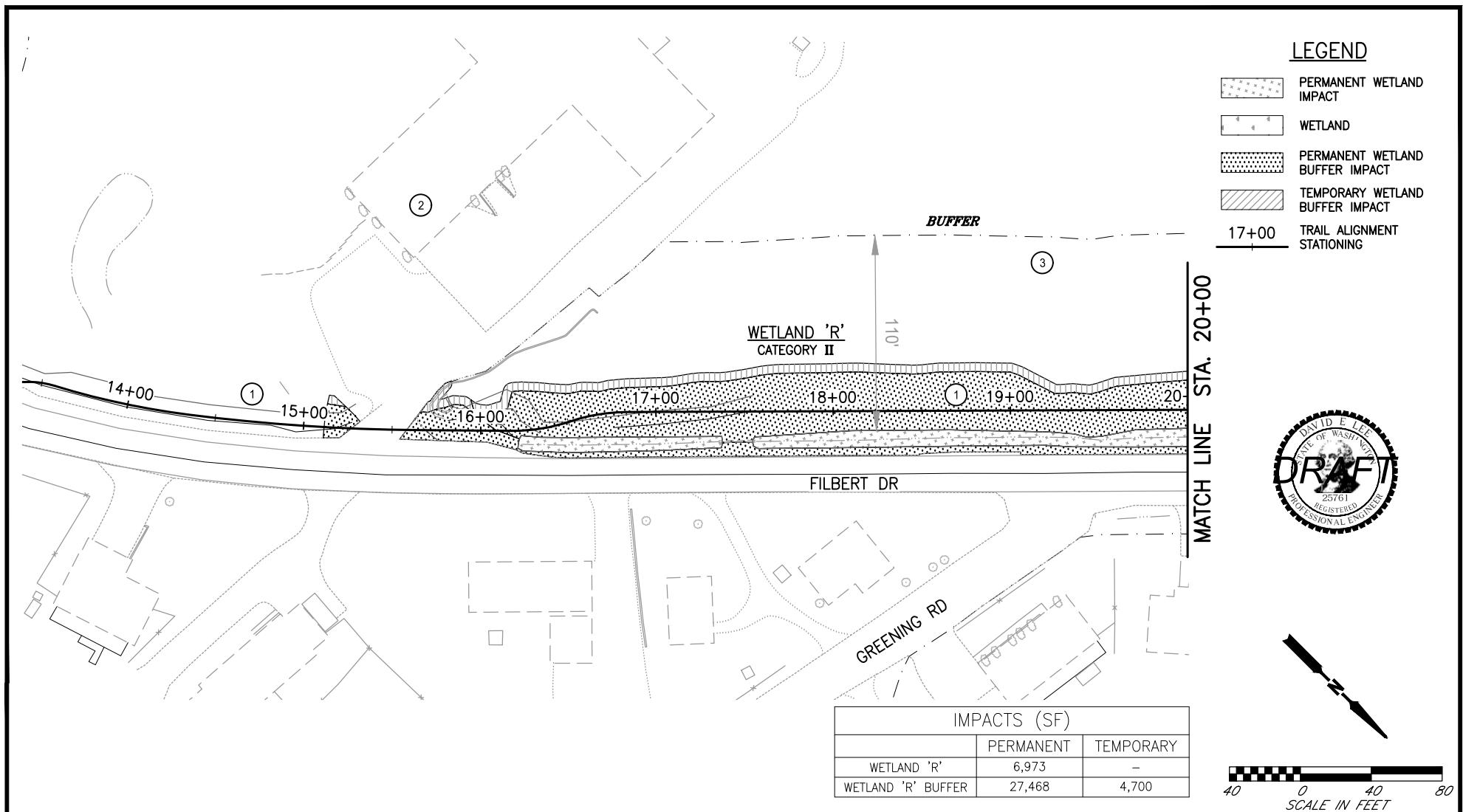
- PRIOR TO SITE DISTURBANCE, THE PROJECT ENGINEER WILL CONTACT THE MITIGATION SPECIALIST TO ARRANGE AN ON-SITE PRE-CONSTRUCTION MEETING.
- WEED SPECIES SPECIFIED AS CLASS A & B BY THE COUNTY NOXIOUS WEED BOARD, AND OTHER UNDESIRABLE WEED SPECIES SUCH AS NON-NATIVE BLACKBERRY, THISTLE, AND SCOTS BROOM, SHALL BE REMOVED.
- PLANT MATERIAL SHALL BE INSTALLED ON 5-FOOT CENTERS IN A NATURALLY RANDOM PATTERN. TREES SHALL BE INSTALLED NO CLOSER THAN 10 FEET FROM ANOTHER TREE.
- LIVE STAKES SHALL BE INSTALLED AT A 45 DEGREE ANGLE FROM THE GROUND.
- PLACE A MINIMUM OF 4 INCHES OF BARK OR WOOD STRAND MULCH ON PLANTING AREA. MULCH SHALL BE COMPROMISED OF BARK OR WOOD CHIP MULCH THAT MEETS THE REQUIREMENTS OF 9-14.4(3) OR WOOD STRAND MULCH THAT MEETS THE REQUIREMENTS OF 9-14.4(4) OF THE WSDOT STANDARD SPECIFICATIONS.
- ALL PLANTS OVER 48 INCHES IN HEIGHT SHALL BE STAKED WITH ONE 2 X 2 INCH POST AND ATTACHED WITH NURSERYMAN'S TAPE TO THE TRUNK.
- LOCATION OF HABITAT FEATURES ON PLANS ARE SCHEMATIC. PLACEMENT SHALL BE APPROVED BY THE MITIGATION SPECIALIST PRIOR TO INSTALLATION. THE CONTRACTOR SHALL NOTIFY THE MITIGATION SPECIALIST 2 WEEKS IN ADVANCE OF HABITAT FEATURE INSTALLATION. LOGS SHALL BE HANDLED TO MINIMIZE DAMAGE TO ROOT WADS AND LIMBS DURING HAULING, STOCKPILING AND PLACEMENT.
- CONSTRUCTION TECHNIQUES SHALL MINIMIZE IMPACTS TO EXISTING STREAMS AND WETLANDS WITHIN THE PROJECT AREA. IMPACTS TO THESE AREAS FROM PROJECT CONSTRUCTION SHALL BE RESTORED TO PRE-EXISTING CONDITIONS AS APPROVED BY THE MITIGATION SPECIALIST.
- SOIL TO BE USED FOR BACKFILL AROUND STANDING TREE SNAGS SHALL BE APPROVED BY THE ENGINEER PRIOR TO BACKFILLING.
- DOWNDOWN LOGS SHALL BE PLACED ON FINISHED GRADE AND TAMPED AND/OR PRESSED AGAINST SOIL SO THAT IT IS IN SOLID CONTACT WITH THE GROUND AND RESTING IN A SECURED POSITION.



PURPOSE: CONSTRUCT ADVANCED MITIGATION SITE
DATUM: NAVD 88
LAT: 47° 49' 35" N LON: 122° 13' 12" W

**WAXEN ROAD MITIGATION SITE
PLANTING SCHEDULE
NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
ROAD PROJECT NO. RC1546**

NEAR: CITY OF BOTHELL
AT: 18904 & 18924 WAXEN RD,
SECTS. 18, T.27 N., R.5 E., W.M.
COUNTY OF: SNOHOMISH
STATE: WASHINGTON
APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS
FIGURE 14 OF 34 DATE: NOVEMBER, 2018



PURPOSE: CONSTRUCT TRAIL

DATUM: NAVD 88

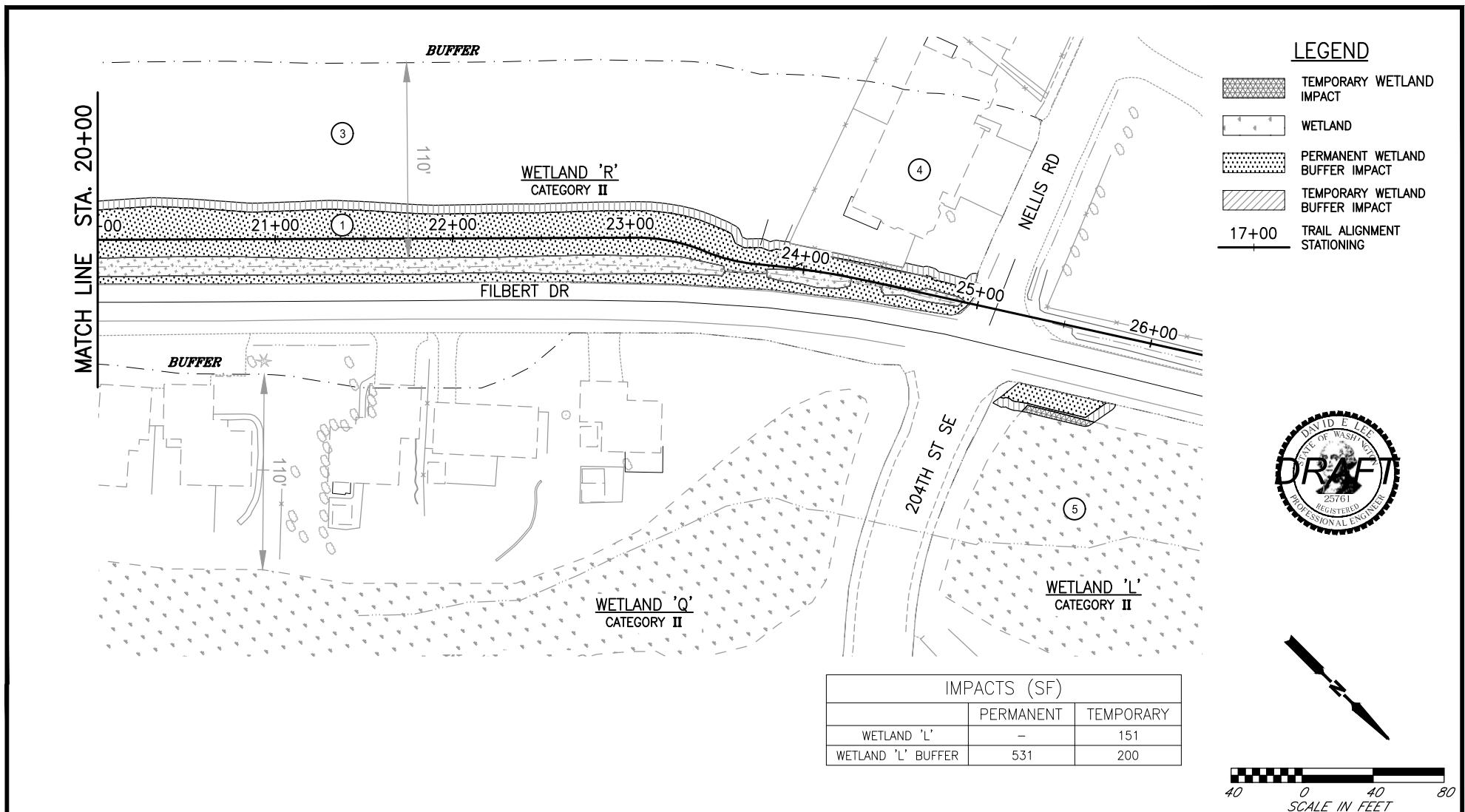
LAT: 47° 49' 35" N LON: 122° 13' 12" W

WETLAND R

NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
ROAD PROJECT NO. RC1546

NEAR: CITY OF BOTHELL
AT: FILBERT DR,
SECTS. 19, T. 27 N., R. 5 E., W.M.
COUNTY OF: SNOHOMISH
STATE: WASHINGTON
APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS

FIGURE 15 OF 34 DATE: NOVEMBER, 2018



PURPOSE: CONSTRUCT TRAIL

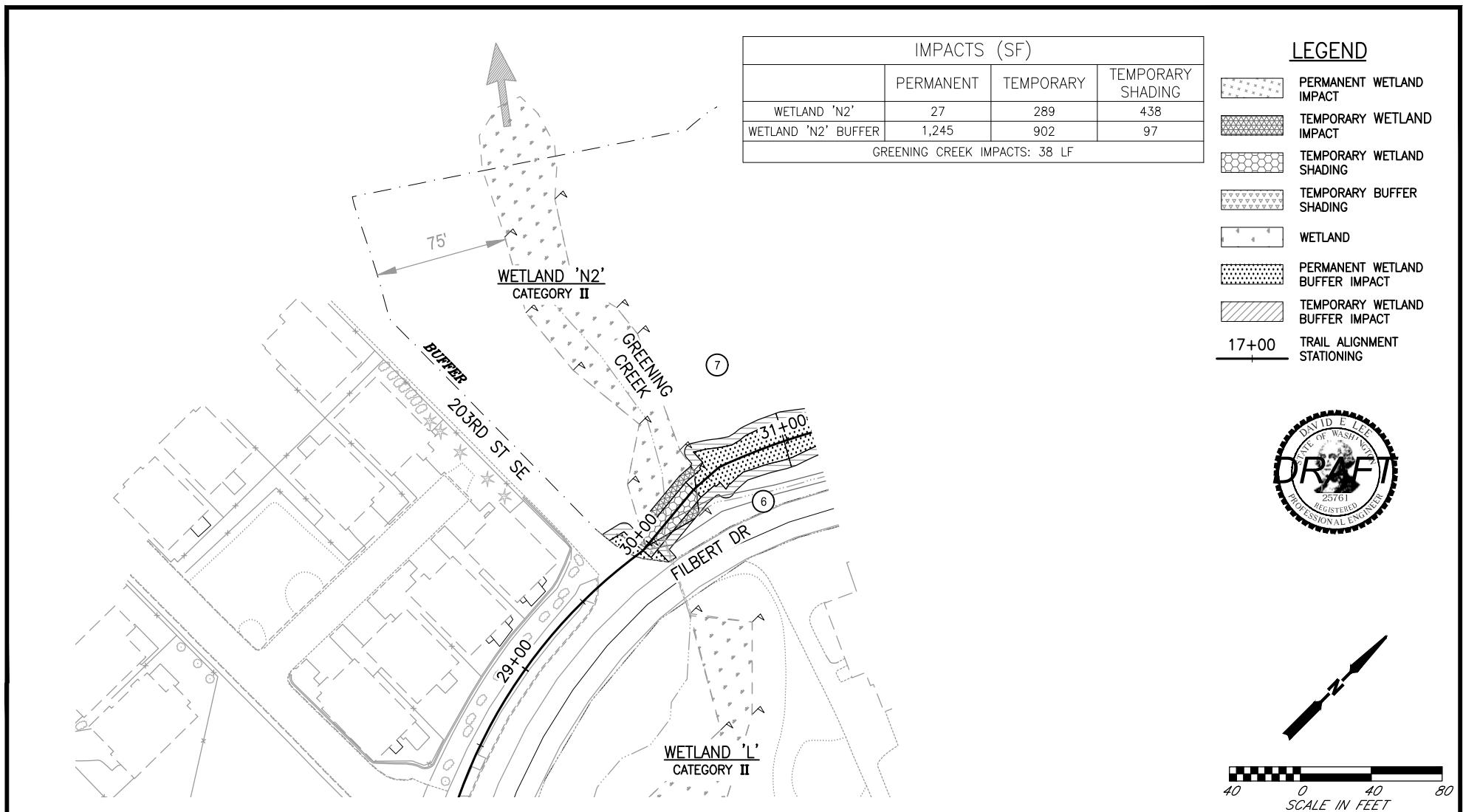
DATUM: NAVD 88

LAT: 47° 49' 35" N LON: 122° 13' 12" W

WETLAND R & L

NORTH CREEK TRAIL
 208TH ST SE - 183RD ST SE
 ROAD PROJECT NO. RC1546

NEAR: CITY OF BOTHELL
AT: FILBERT DR,
SECTS. 19, T. 27 N., R. 5 E., W.M.
COUNTY OF: SNOHOMISH
STATE: WASHINGTON
APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS
FIGURE 16 OF 34 DATE: NOVEMBER, 2018



PURPOSE: CONSTRUCT TRAIL

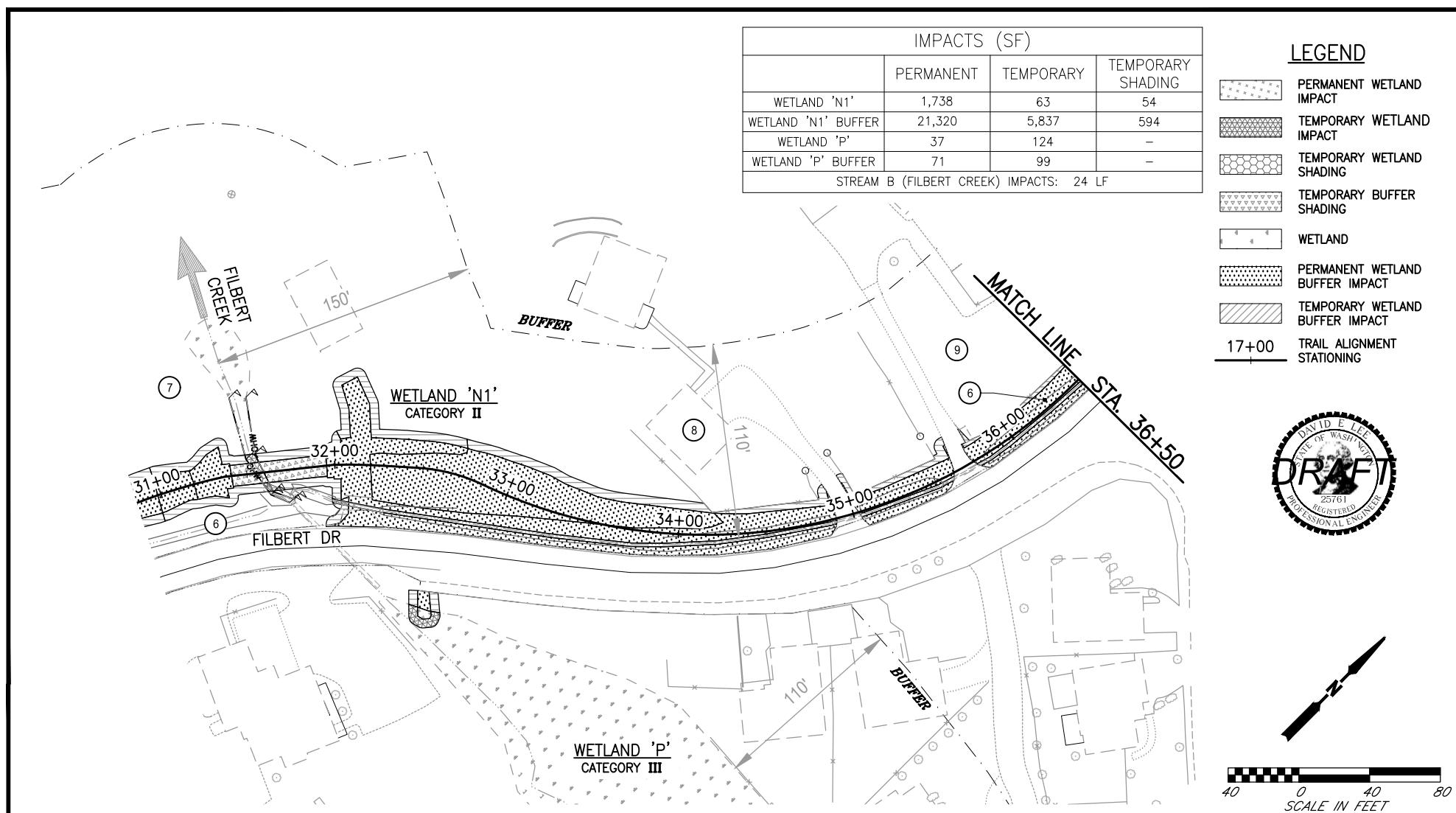
DATUM: NAVD 88

LAT: 47° 49' 35" N LON: 122° 13' 12" W

WETLAND N2 & GREENING CREEK

NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
ROAD PROJECT NO. RC1546

NEAR: CITY OF BOTHELL
AT: FILBERT DR,
SECTS. 19, T. 27 N., R. 5 E., W.M.
COUNTY OF: SNOHOMISH
STATE: WASHINGTON
APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS
FIGURE 17 OF 34 DATE: NOVEMBER, 2018



PURPOSE: CONSTRUCT TRAIL

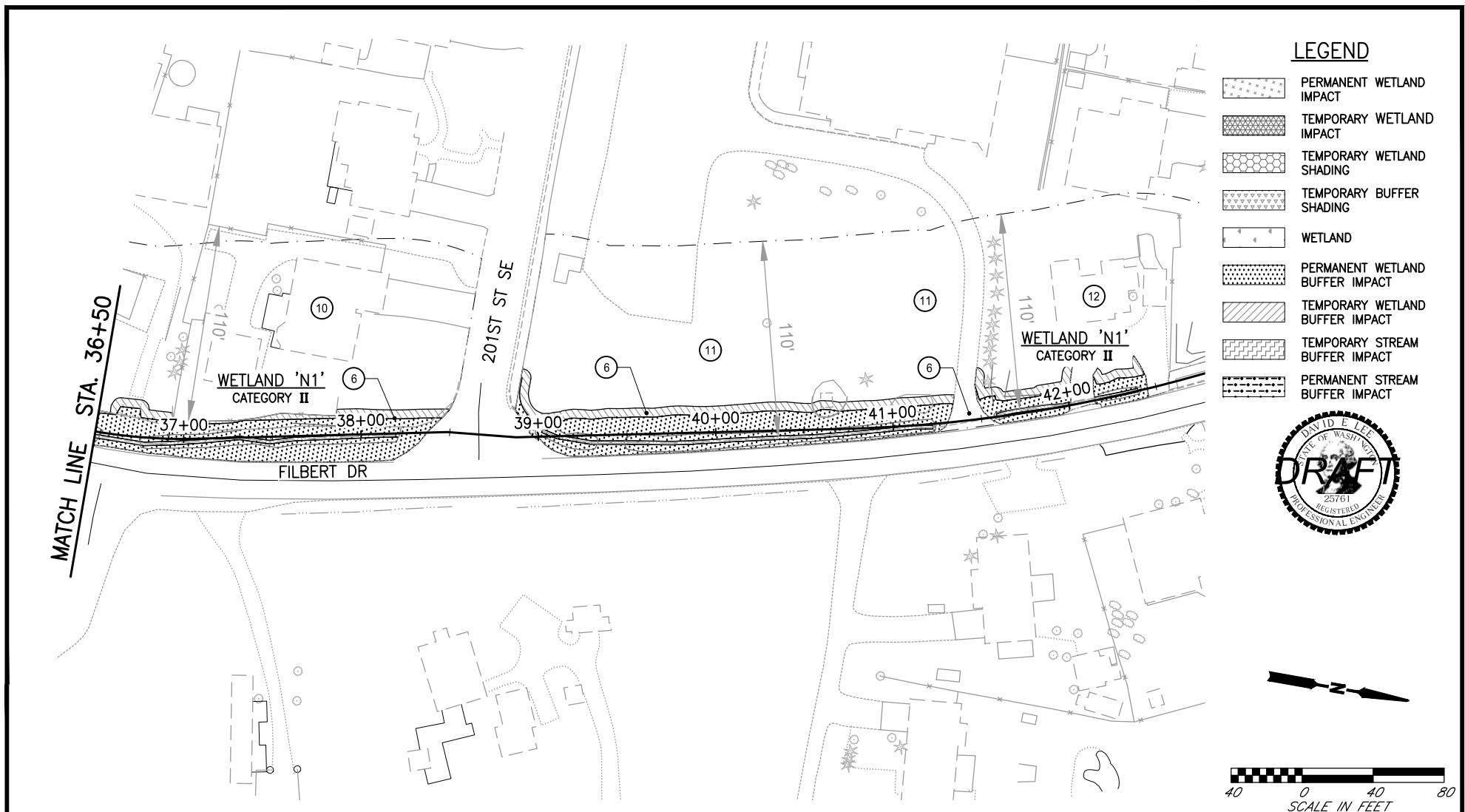
DATUM: NAVD 88

LAT: 47° 49' 35" N LON: 122° 13' 12" W

WETLAND N1 & P & FILBERT CREEK

NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
ROAD PROJECT NO. RC1546

NEAR: CITY OF BOTHELL
AT: FILBERT DR,
SECTS. 19, T. 27 N., R. 5 E., W.M.
COUNTY OF: SNOHOMISH
STATE: WASHINGTON
APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS
FIGURE 18 OF 34 DATE: NOVEMBER, 2018



PURPOSE: CONSTRUCT TRAIL

DATUM: NAVD 88

LAT: 47° 49' 35" N LON: 122° 13' 12" W

WETLAND N1

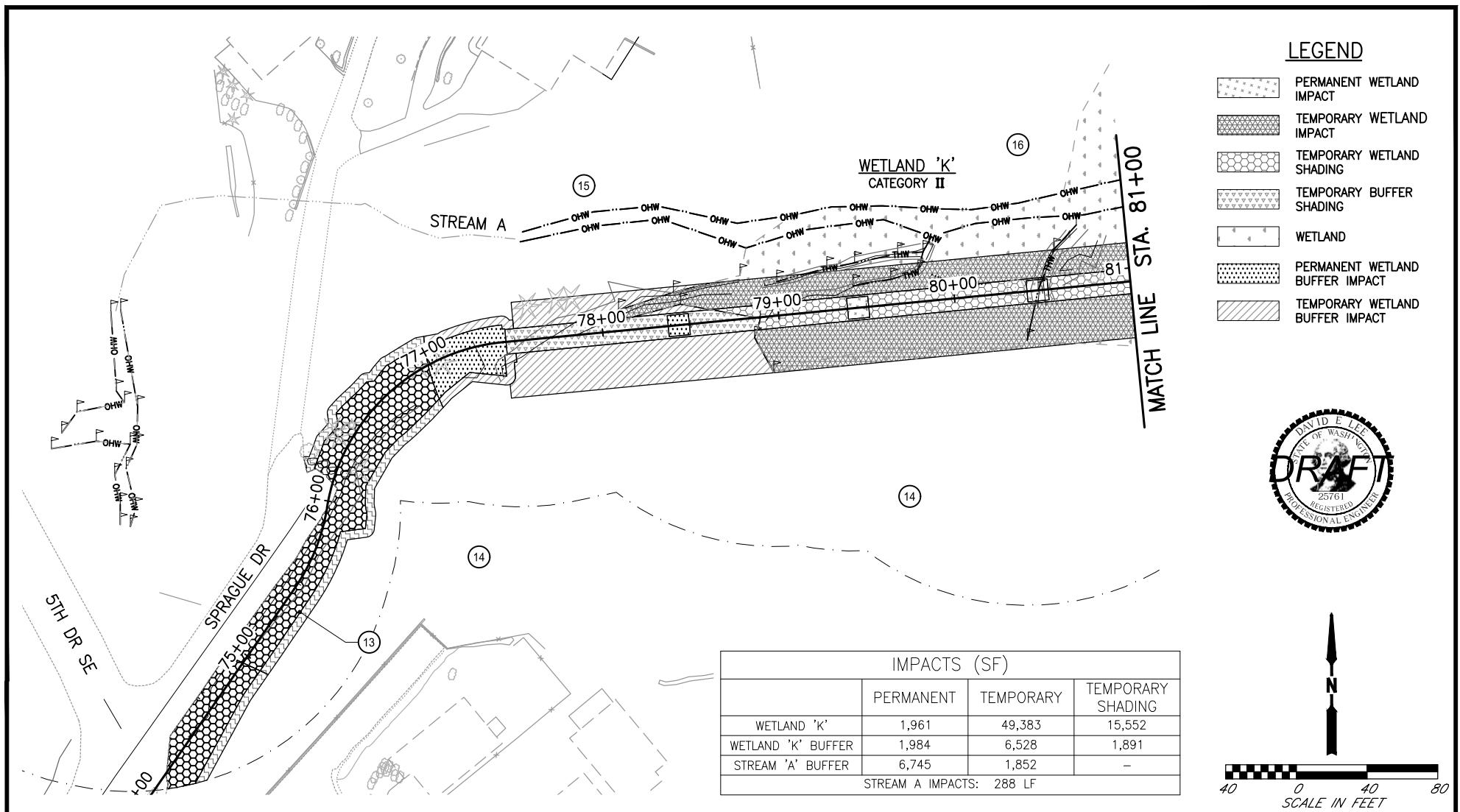
NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
ROAD PROJECT NO. RC1546

NEAR: CITY OF BOTHELL
AT: FILBERT DR,
SECTS. 19, T. 27 N., R. 5 E., W.M.

COUNTY OF: SNOHOMISH
STATE: WASHINGTON
APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS

FIGURE 19 OF 34

DATE: NOVEMBER, 2018



PURPOSE: CONSTRUCT TRAIL

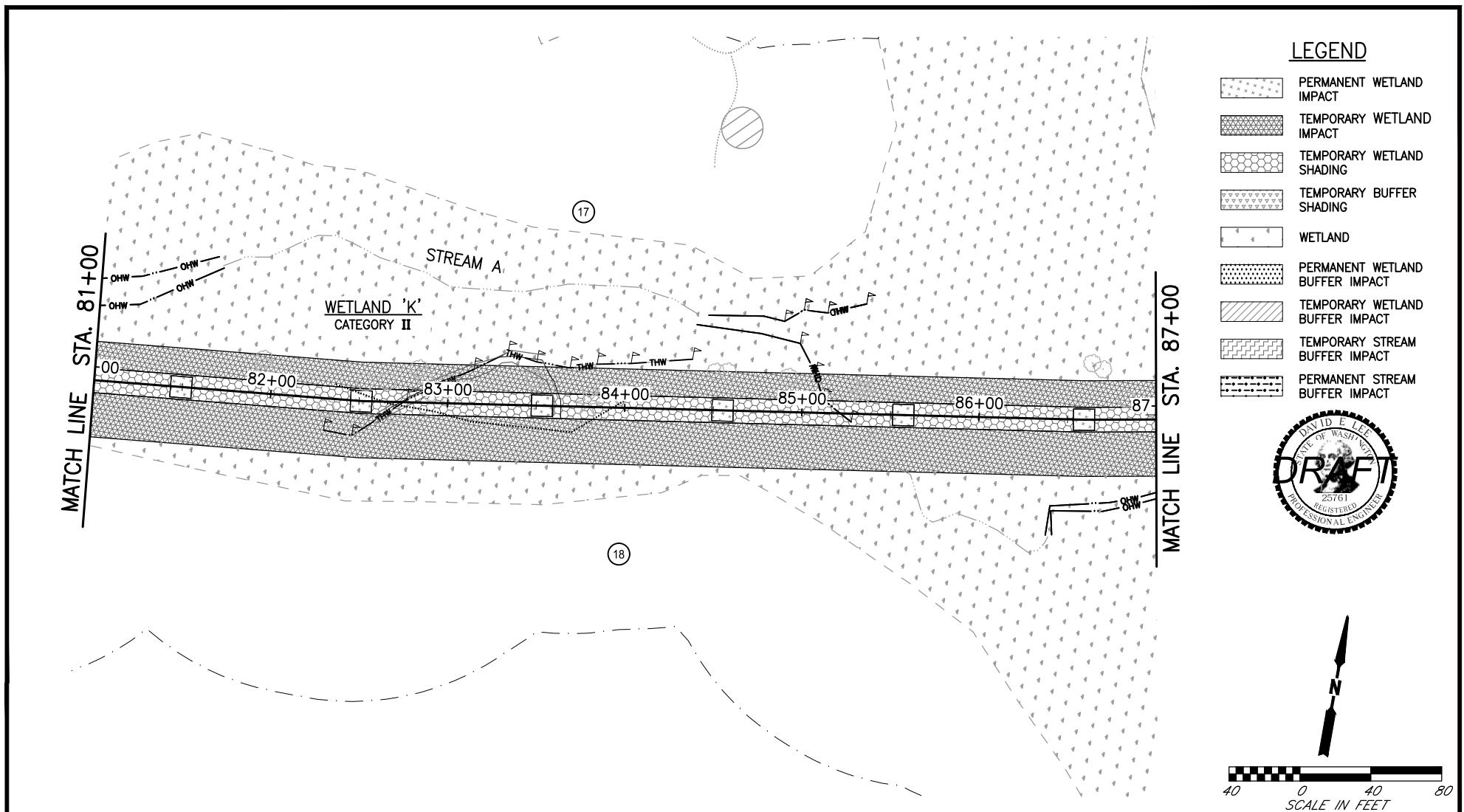
DATUM: NAVD 88

LAT: 47° 49' 35" N LON: 122° 13' 12" W

WETLAND K & STREAM A

NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
ROAD PROJECT NO. RC1546

NEAR: CITY OF BOTHELL
AT: SPRAGUE DR,
SECTS. 18, T. 27 N., R. 5 E., W.M.
COUNTY OF: SNOHOMISH
STATE: WASHINGTON
APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS
FIGURE 20 OF 34 DATE: NOVEMBER, 2018



PURPOSE: CONSTRUCT TRAIL

DATUM: NAVD 88

LAT: 47° 49' 35" N LON: 122° 13' 12" W

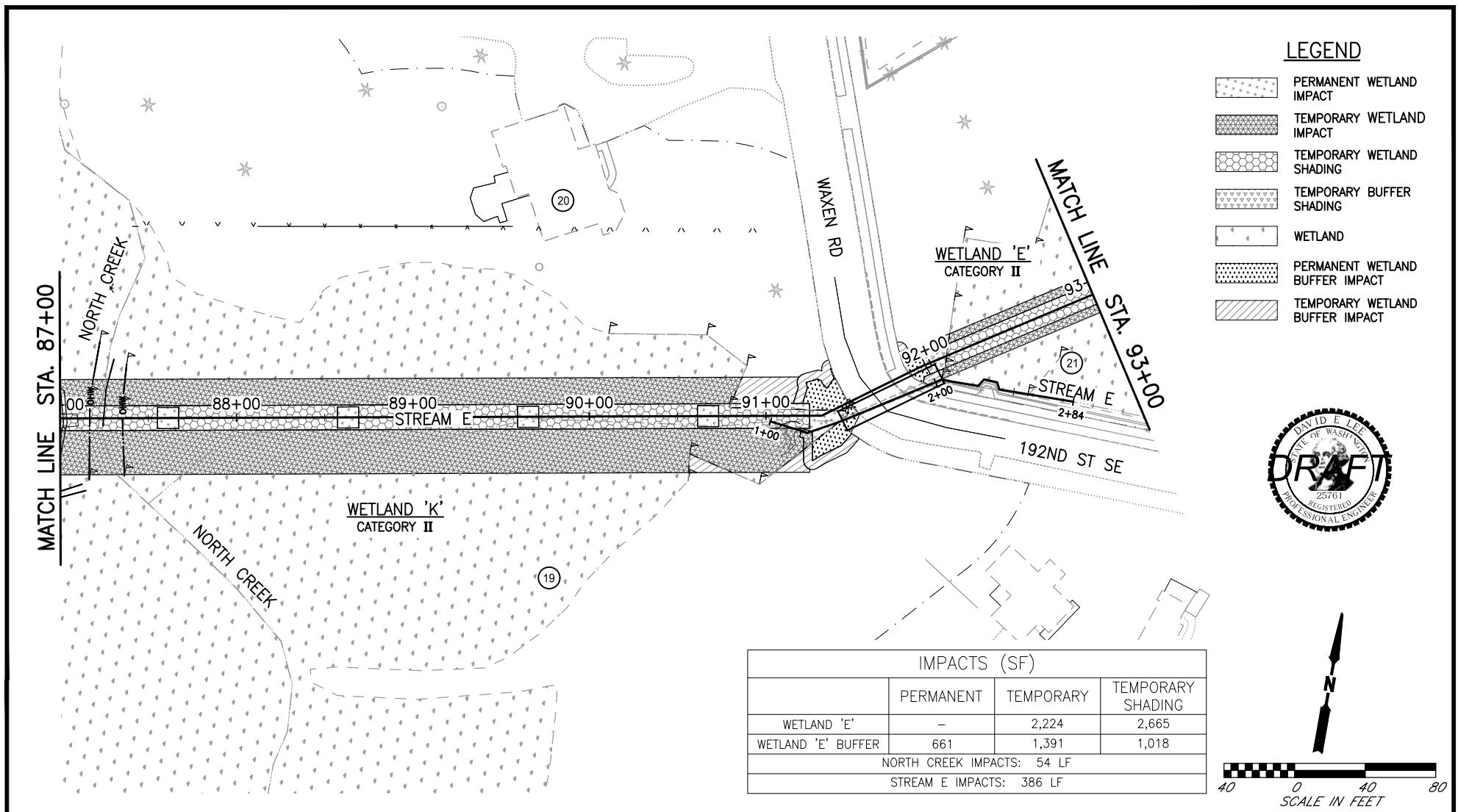
WETLAND K & STREAM A

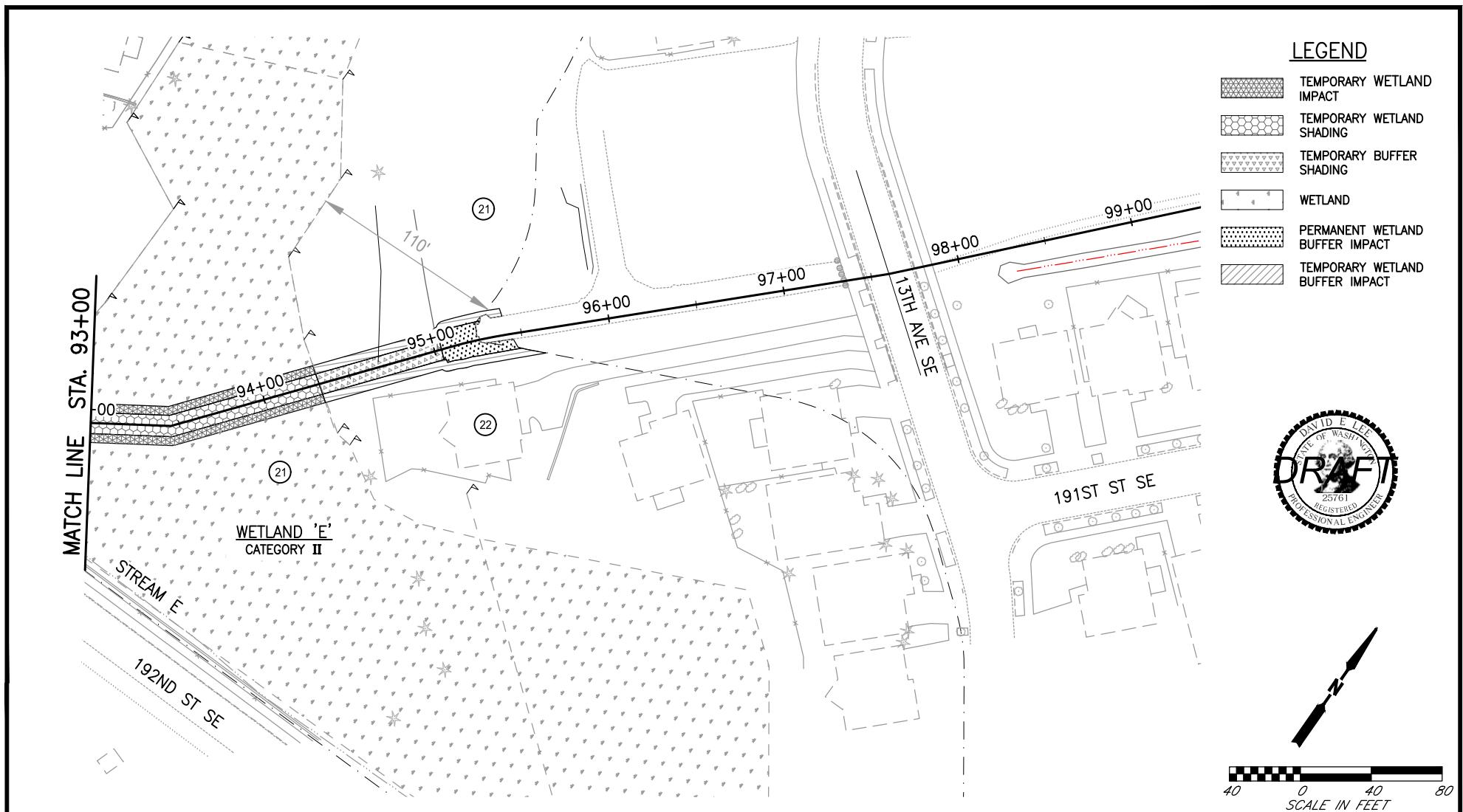
NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
ROAD PROJECT NO. RC1546

NEAR: CITY OF BOTHELL
AT: SPRAGUE DR,
SECTS. 18, T. 27 N., R. 5 E., W.M.

COUNTY OF: SNOHOMISH
STATE: WASHINGTON
APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS

FIGURE 21 OF 34 DATE: NOVEMBER, 2018





PURPOSE: CONSTRUCT TRAIL

DATUM: NAVD 88

LAT: 47° 49' 35" N LON: 122° 13' 12" W

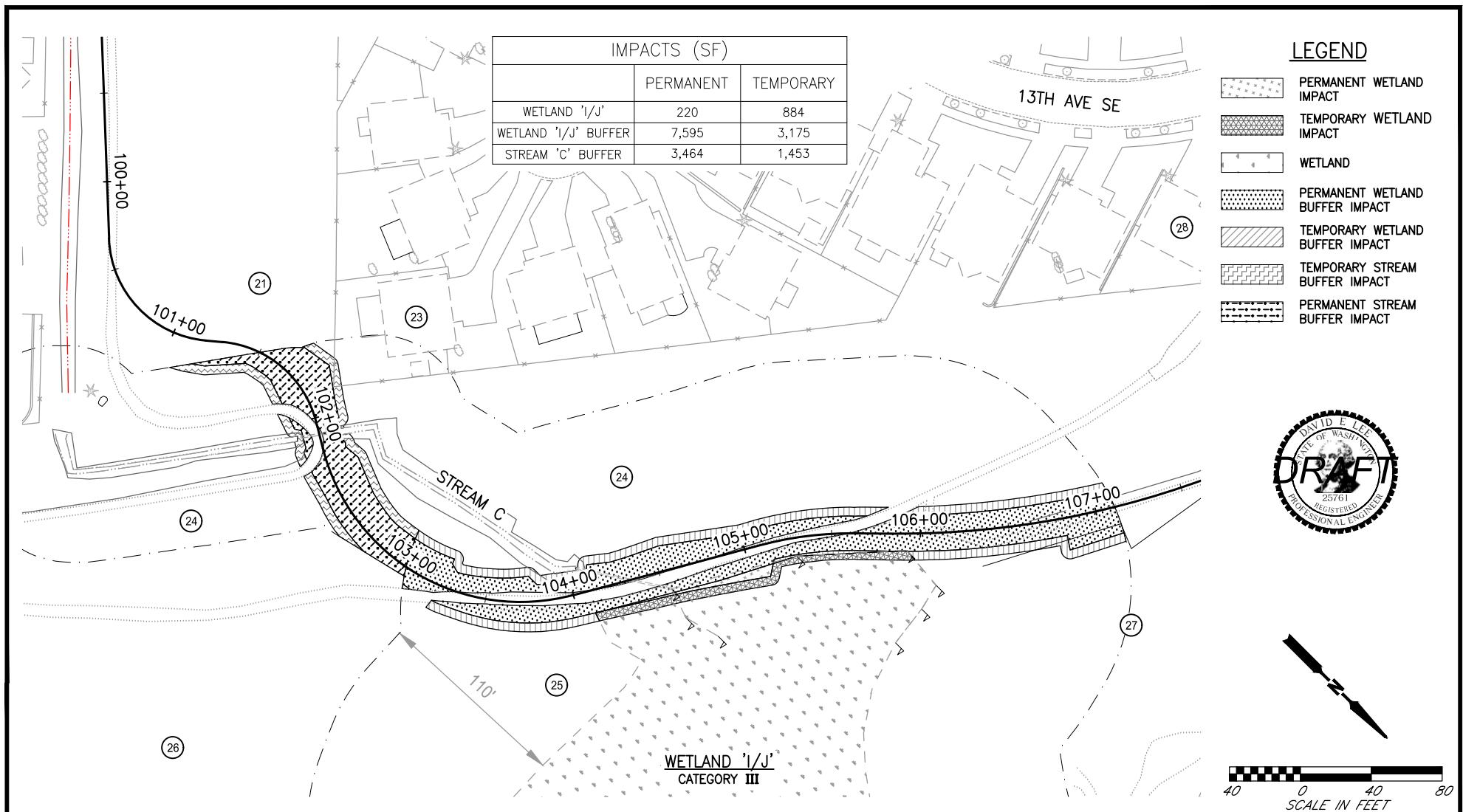
WETLAND E

NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
ROAD PROJECT NO. RC1546

NEAR: CITY OF BOTHELL
AT: 192ND ST SE,
SECTS. 18, T. 27 N., R. 5 E., W.M.

COUNTY OF: SNOHOMISH
STATE: WASHINGTON
APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS

FIGURE 23 OF 34 DATE: NOVEMBER, 2018



PURPOSE: CONSTRUCT TRAIL

DATUM: NAVD 88

LAT: 47° 49' 35" N LON: 122° 13' 12" W

WETLAND I/J & STREAM C

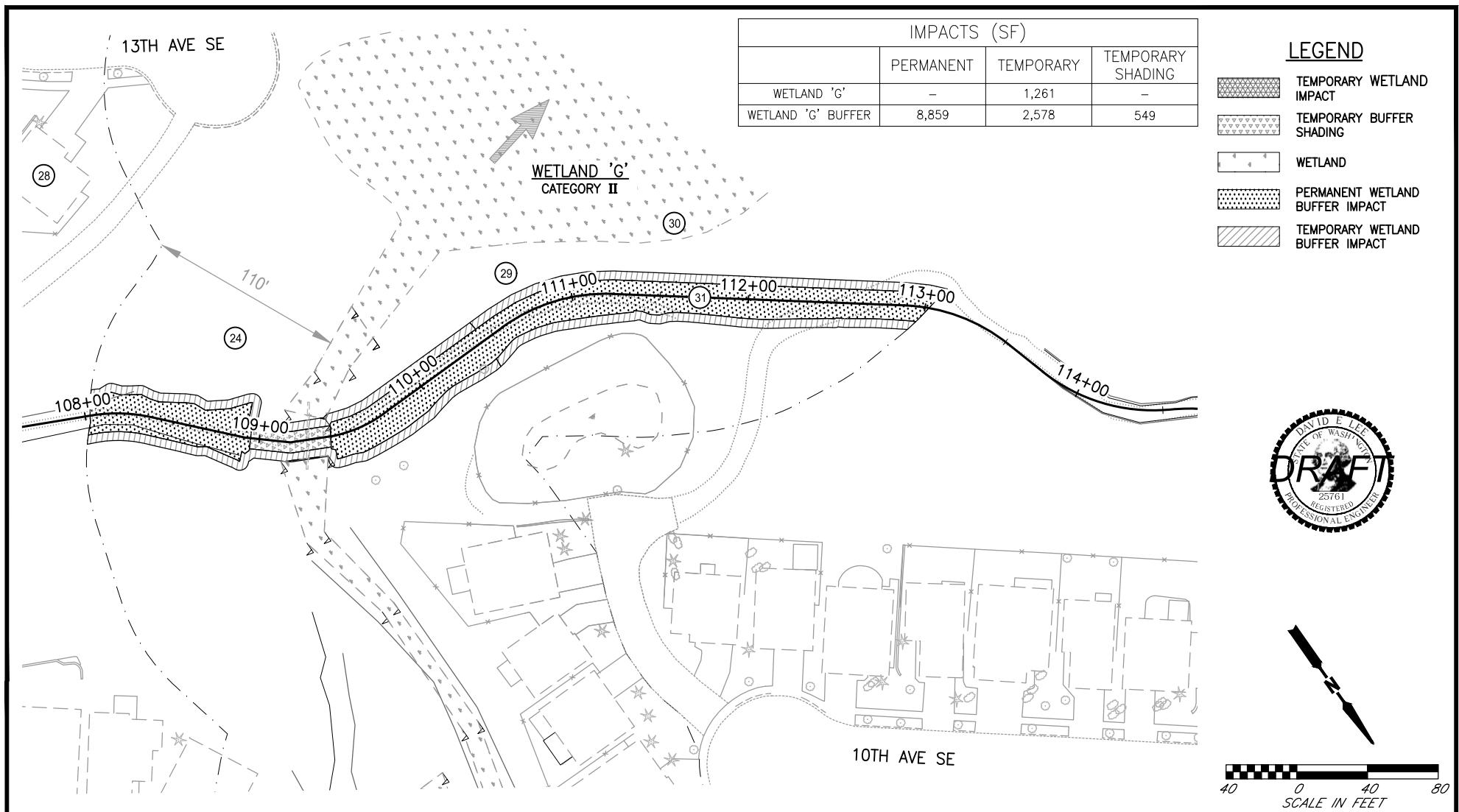
NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
ROAD PROJECT NO. RC1546

NEAR: CITY OF BOTHELL
AT: 13TH AVE SE,
SECTS. 18, T. 27 N., R. 5 E., W.M.

COUNTY OF: SNOHOMISH
STATE: WASHINGTON
APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS

FIGURE 24 OF 34

DATE: NOVEMBER, 2018



PURPOSE: CONSTRUCT TRAIL

DATUM: NAVD 88

LAT: 47° 49' 35" N LON: 122° 13' 12" W

WETLAND G

NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
ROAD PROJECT NO. RC1546

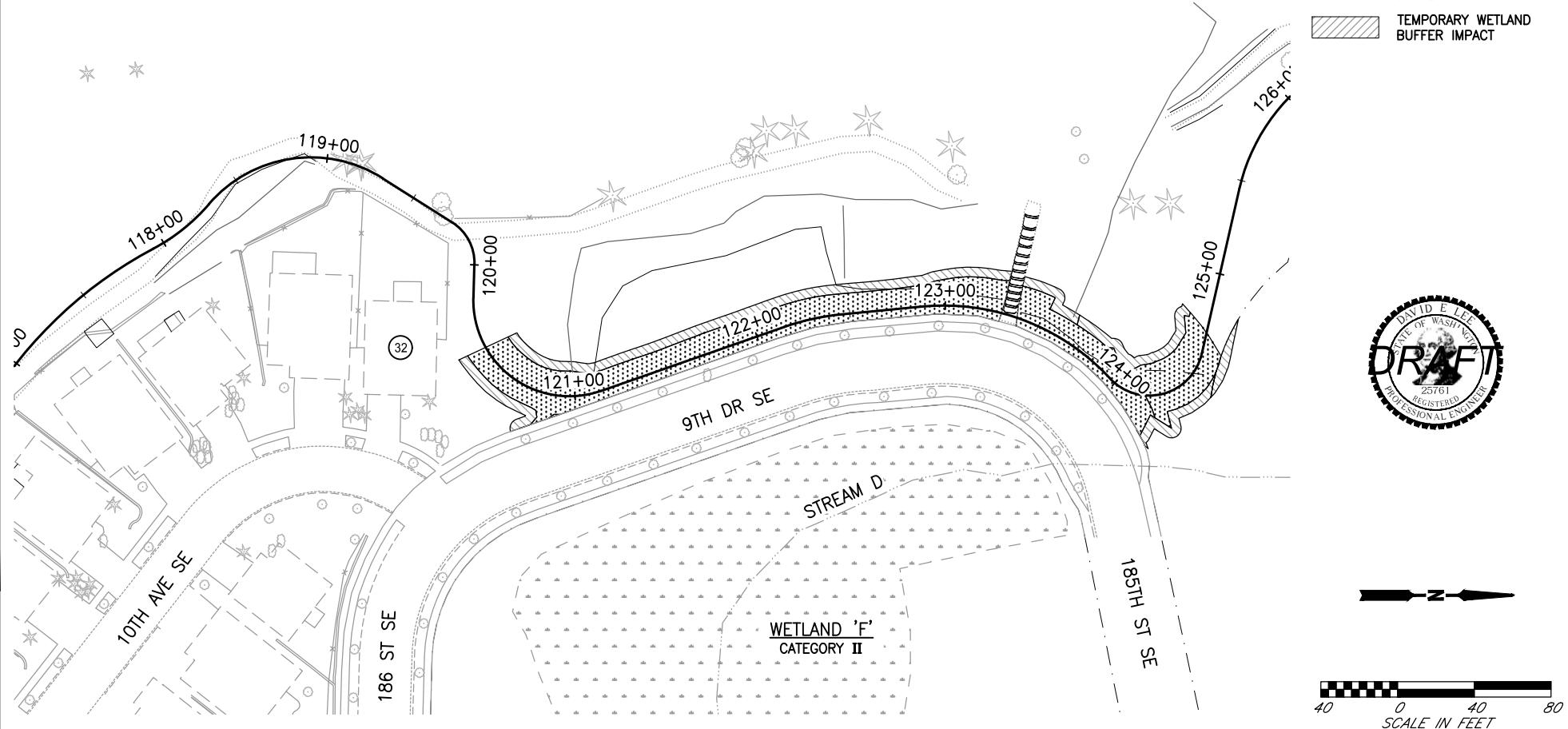
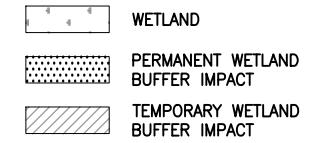
NEAR: CITY OF BOTHELL
AT: 10TH AVE SE,
SECTS. 18, T. 27 N., R. 5 E., W.M.

COUNTY OF: SNOHOMISH
STATE: WASHINGTON
APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS

FIGURE 25 OF 34 DATE: NOVEMBER, 2018

| IMPACTS (SF) | | |
|--------------------|-----------|-----------|
| | PERMANENT | TEMPORARY |
| WETLAND 'F' BUFFER | 7,630 | 2,590 |

LEGEND



PURPOSE: CONSTRUCT TRAIL

DATUM: NAVD 88

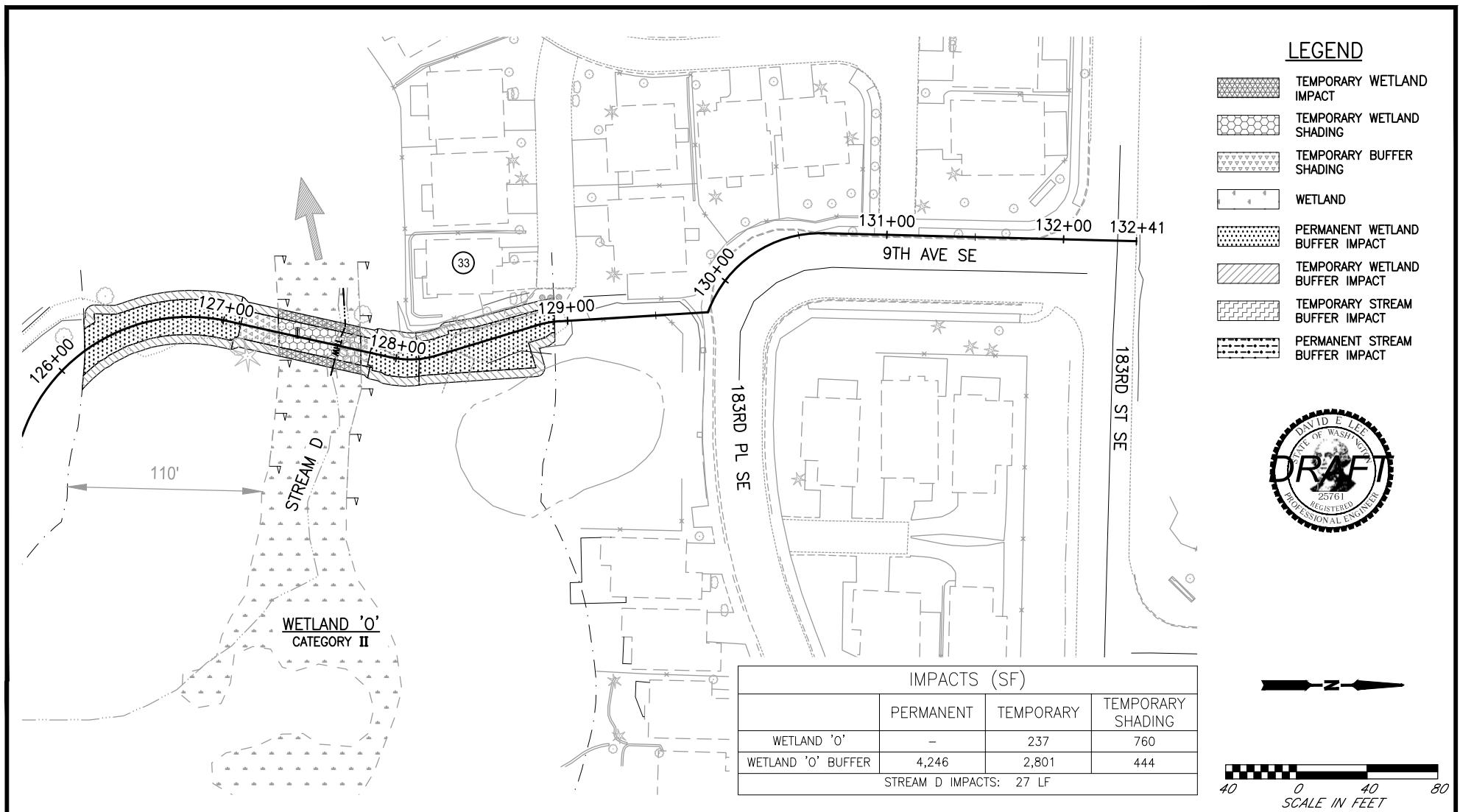
LAT: 47° 49' 35" N LON: 122° 13' 12" W

WETLAND F

NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
ROAD PROJECT NO. RC1546

NEAR: CITY OF BOTHELL
AT: 9TH DR SE,
SECTS. 18, T. 27 N., R. 5 E., W.M.
COUNTY OF: SNOHOMISH
STATE: WASHINGTON
APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS

FIGURE 26 OF 34 DATE: NOVEMBER, 2018



PURPOSE: CONSTRUCT TRAIL

DATUM: NAVD 88

LAT: 47° 49' 35" N LON: 122° 13' 12" W

WETLAND O & STREAM D

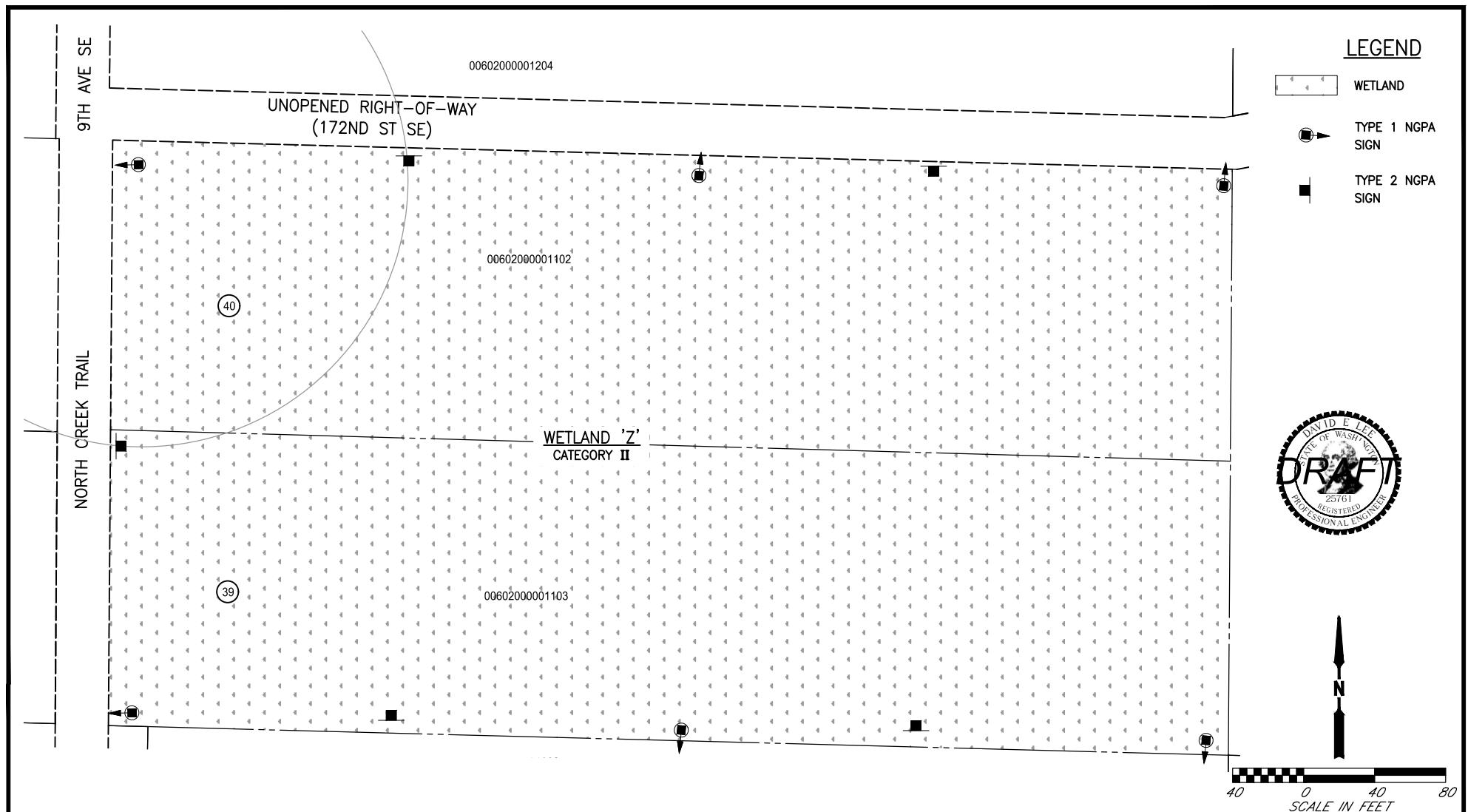
NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
ROAD PROJECT NO. RC1546

NEAR: CITY OF BOTHELL
AT: 183RD PL SE,
SECTS. 18, T. 27 N., R. 5 E., W.M.

COUNTY OF: SNOHOMISH
STATE: WASHINGTON
APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS

FIGURE 27 OF 34

DATE: NOVEMBER, 2018



PURPOSE: CONSTRUCT TRAIL

DATUM: NAVD 88

LAT: 47° 49' 35" N LON: 122° 13' 12" W

WETLAND Z

NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
ROAD PROJECT NO. RC1546

NEAR: CITY OF BOTHELL
AT: 183RD PL SE,
SECTS. 18, T. 27 N., R. 5 E., W.M.

COUNTY OF: SNOHOMISH
STATE: WASHINGTON
APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS

FIGURE 28 OF 34 DATE: NOVEMBER, 2018

| NORTH CREEK MITIGATION SITE PLANT SPECIES TOTALS | | | |
|---|-------------------|------------------------|--------|
| SCIENTIFIC NAME | COMMON NAME | CONTAINER SIZE | NUMBER |
| TREES | | | |
| POPULUS TRICHOCARPA | BLACK COTTONWOOD | ¾ TO 1 IN. DIAM. POLES | 1850 |
| THUJA PLICATA | WESTERN RED CEDAR | 2 GAL | 100 |
| PICEA Sitchensis | SITKA SPRUCE | 2 GAL | 100 |
| | | TOTAL: | 2,050 |
| SHRUBS | | | |
| CRATAEGUS DOUGLASII | BLACK HAWTHORN | 1 GAL | 80 |
| PHYSOCARPUS CAPITIATUS | PACIFIC NINEBARK | 1 GAL | 80 |
| RUBUS SPECTABILIS | SALMONBERRY | 1 GAL | 80 |
| ROSA PISCARPA | CLUSTERED ROSE | 1 GAL | 80 |
| MALUS FUSCA | WESTERN CRABAPPLE | 1 GAL | 80 |
| | | TOTAL: | 400 |
| WILLOWS | | | |
| SALIX LASIANDRA | PACIFIC WILLOW | ¾ TO 1 IN. DIAM. POLES | 1850 |
| SALIX Sitchensis | SITKA WILLOW | ¾ TO 1 IN. DIAM. POLES | 1850 |
| SALIX SCOULERIANA | SCOULER'S WILLOW | ¾ TO 1 IN. DIAM. POLES | 1850 |
| | | TOTAL: | 5,550 |

NOTE:

SEE HABITAT DETAILS ON SHEETS 10 & 11.

PLANTING NOTES:

- PRIOR TO SITE DISTURBANCE, THE PROJECT ENGINEER WILL CONTACT THE MITIGATION SPECIALIST TO ARRANGE AN ON-SITE PRE-CONSTRUCTION MEETING.
- WEED SPECIES SPECIFIED AS CLASS A & B BY THE COUNTY NOXIOUS WEED BOARD, AND OTHER UNDESIRABLE WEED SPECIES SUCH AS NON-NATIVE BLACKBERRY, THISTLE, AND SCOTS BROOM, SHALL BE REMOVED.
- PLANT MATERIAL SHALL BE INSTALLED ON 5-FOOT CENTERS IN A NATURALLY RANDOM PATTERN. TREES SHALL BE INSTALLED NO CLOSER THAN 10 FEET FROM ANOTHER TREE.
- LIVE STAKES SHALL BE INSTALLED AT A 45 DEGREE ANGLE FROM THE GROUND.
- PLACE A MINIMUM OF 4 INCHES OF BARK OR WOOD STRAND MULCH ON PLANTING AREA. MULCH SHALL BE COMPROMISED OF BARK OR WOOD CHIP MULCH THAT MEETS THE REQUIREMENTS OF 9-14.4(3) OR WOOD STRAND MULCH THAT MEETS THE REQUIREMENTS OF 9-14.4(4) OF THE WSDOT STANDARD SPECIFICATIONS.
- ALL PLANTS OVER 48 INCHES IN HEIGHT SHALL BE STAKED WITH ONE 2 X 2 INCH POST AND ATTACHED WITH NURSERYMAN'S TAPE TO THE TRUNK.
- LOCATION OF HABITAT FEATURES ON PLANS ARE SCHEMATIC. PLACEMENT SHALL BE APPROVED BY THE MITIGATION SPECIALIST PRIOR TO INSTALLATION. THE CONTRACTOR SHALL NOTIFY THE MITIGATION SPECIALIST 2 WEEKS IN ADVANCE OF HABITAT FEATURE INSTALLATION. LOGS SHALL BE HANDLED TO MINIMIZE DAMAGE TO ROOT WADS AND LIMBS DURING HAULING, STOCKPILING AND PLACEMENT.
- CONSTRUCTION TECHNIQUES SHALL MINIMIZE IMPACTS TO EXISTING STREAMS AND WETLANDS WITHIN THE PROJECT AREA. IMPACTS TO THESE AREAS FROM PROJECT CONSTRUCTION SHALL BE RESTORED TO PRE-EXISTING CONDITIONS AS APPROVED BY THE MITIGATION SPECIALIST.
- SOIL TO BE USED FOR BACKFILL AROUND STANDING TREE SNAGS SHALL BE APPROVED BY THE ENGINEER PRIOR TO BACKFILLING.
- DOWNDEN LOGS SHALL BE PLACED ON FINISHED GRADE AND TAMPED AND/OR PRESSED AGAINST SOIL SO THAT IT IS IN SOLID CONTACT WITH THE GROUND AND RESTING IN A SECURED POSITION.



PURPOSE: CONSTRUCT TRAIL

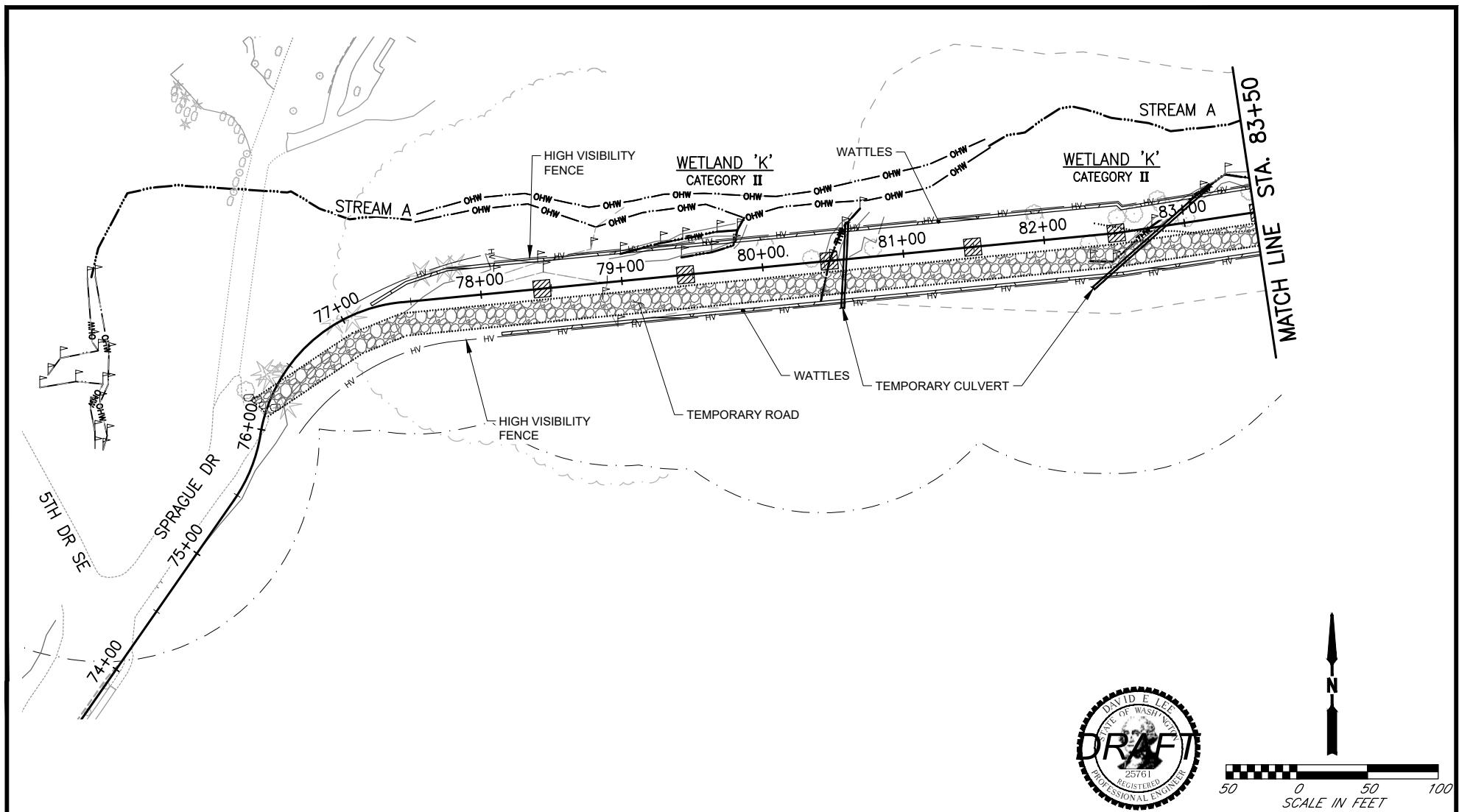
DATUM: NAVD 88

LAT: 47° 49' 35" N LON: 122° 13' 12" W

NORTH CREEK MITIGATION SITE
PLANTING SCHEDULE
WETLAND Z
NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
ROAD PROJECT NO. RC1546

NEAR: CITY OF BOTHELL
AT: 183RD PL SE,
SECTS. 18, T. 27 N., R. 5 E., W.M.
COUNTY OF: SNOHOMISH
STATE: WASHINGTON
APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS

FIGURE 29 OF 34 DATE: NOVEMBER, 2018



PURPOSE: CONSTRUCT TRAIL

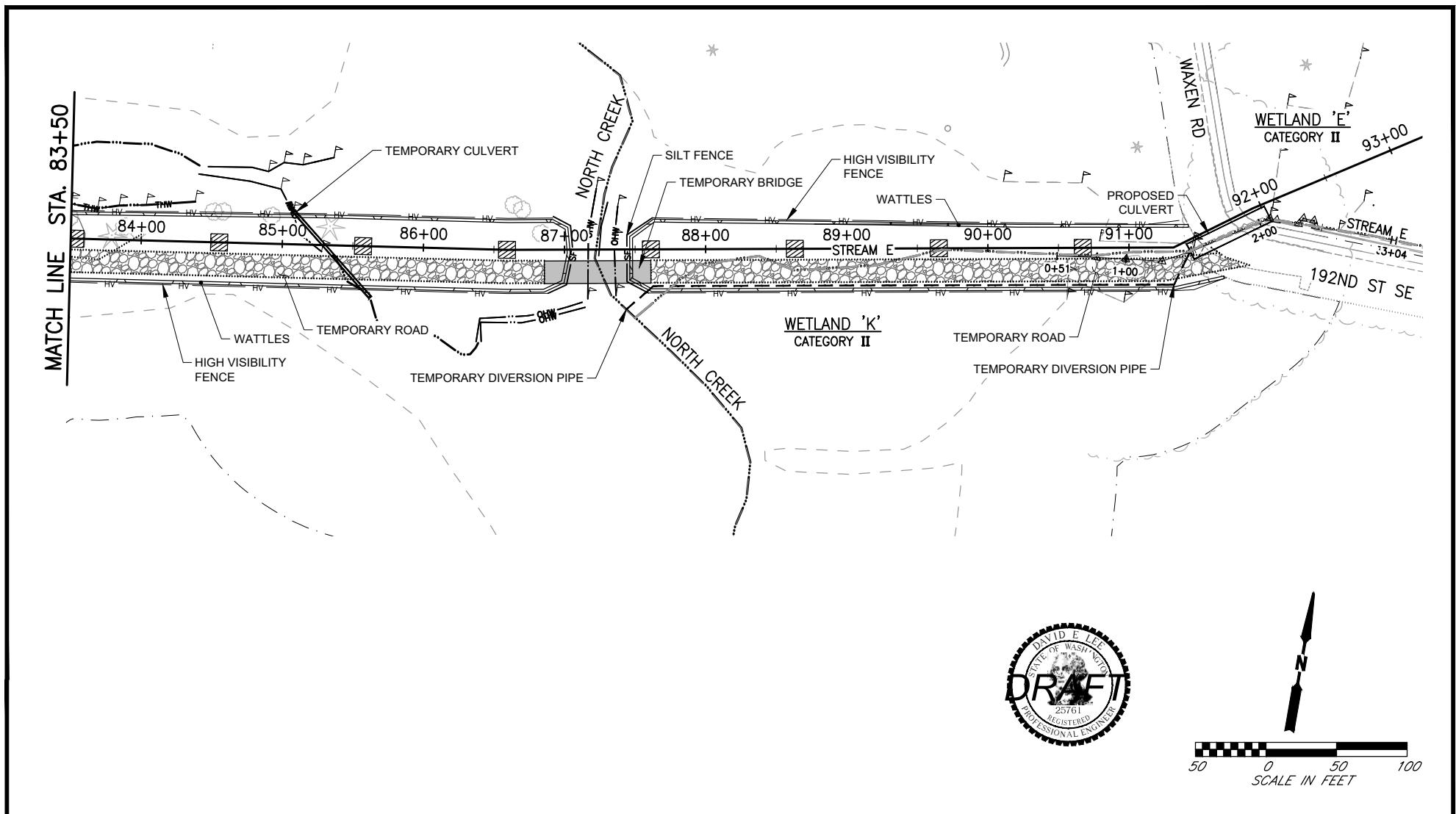
DATUM: NAVD 88

LAT: 47° 49' 35" N LON: 122° 13' 12" W

TESC FOR SPRAGUE & WAXEN

NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
ROAD PROJECT NO. RC1546

NEAR: CITY OF BOTHELL
AT: SPRAGUE DR,
SECTS. 18, T. 27 N., R. 5 E., W.M.
COUNTY OF: SNOHOMISH
STATE: WASHINGTON
APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS
FIGURE 30 OF 34 DATE: NOVEMBER, 2018



PURPOSE: CONSTRUCT TRAIL

DATUM: NAVD 88

LAT: 47° 49' 35" N LON: 122° 13' 12" W

TESC FOR SPRAGUE & WAXEN

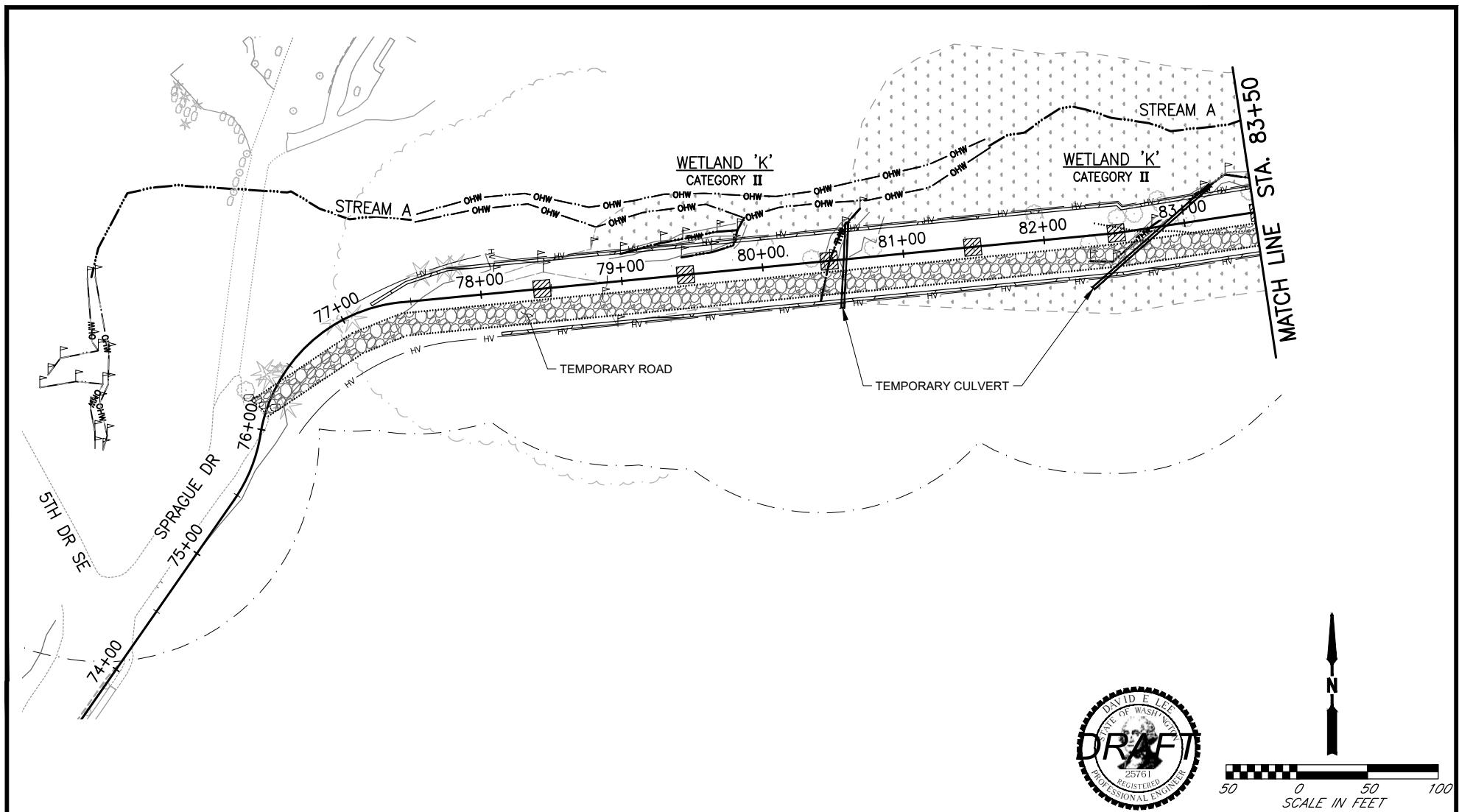
NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
ROAD PROJECT NO. RC1546

NEAR: CITY OF BOTHELL
AT: SPRAGUE DR,
SECTS. 18, T. 27 N., R. 5 E., W.M.

COUNTY OF: SNOHOMISH
STATE: WASHINGTON
APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS

FIGURE 31 OF 34

DATE: NOVEMBER 2018



PURPOSE: CONSTRUCT TRAIL

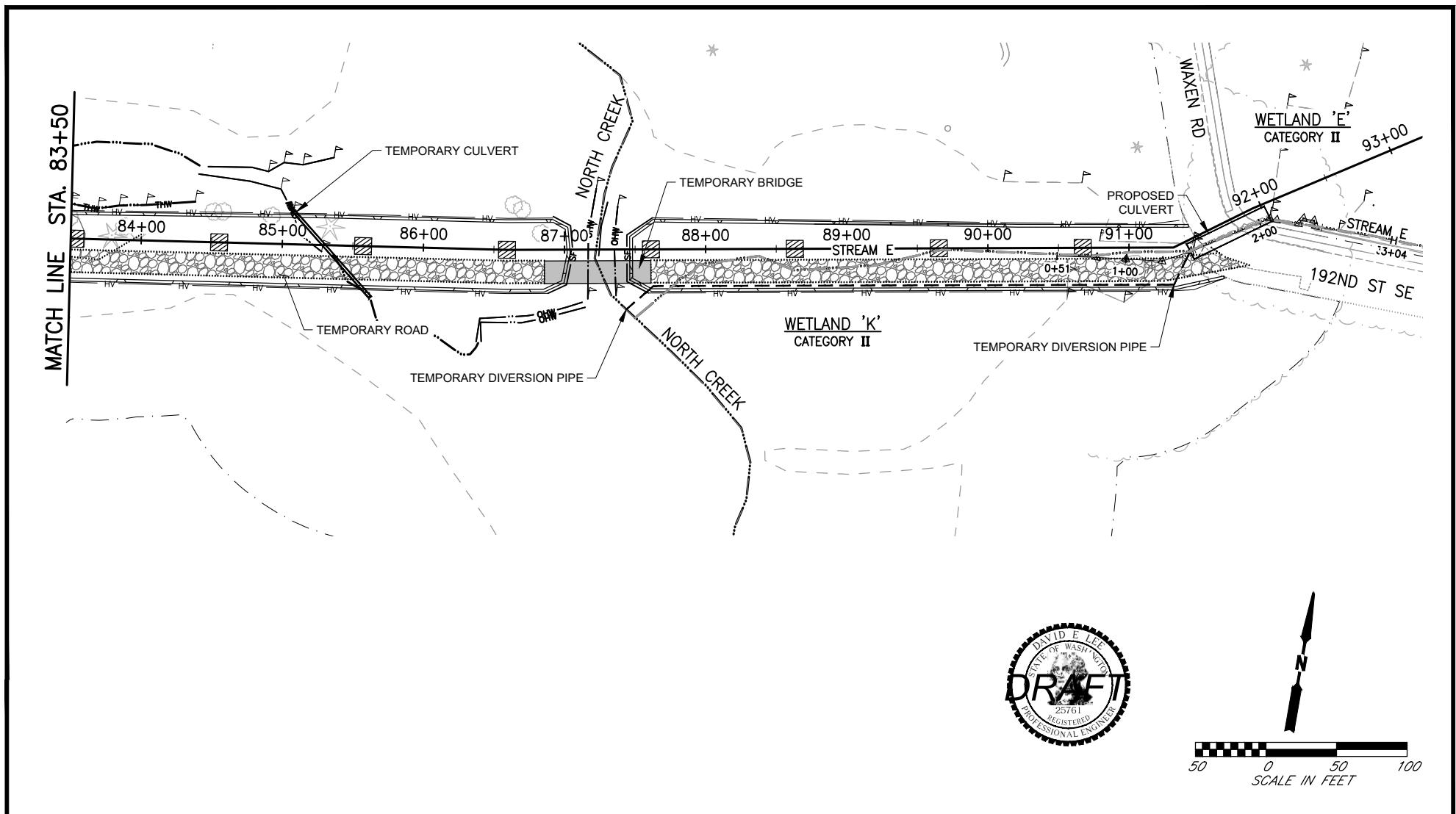
DATUM: NAVD 88

LAT: 47° 49' 35" N LON: 122° 13' 12" W

STREAM RELOCATION SPRAGUE & WAXEN

NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
ROAD PROJECT NO. RC1546

NEAR: CITY OF BOTHELL
AT: SPRAGUE DR,
SECTS. 18, T. 27 N., R. 5 E., W.M.
COUNTY OF: SNOHOMISH
STATE: WASHINGTON
APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS
FIGURE 32 OF 34 DATE: NOVEMBER, 2018



PURPOSE: CONSTRUCT TRAIL

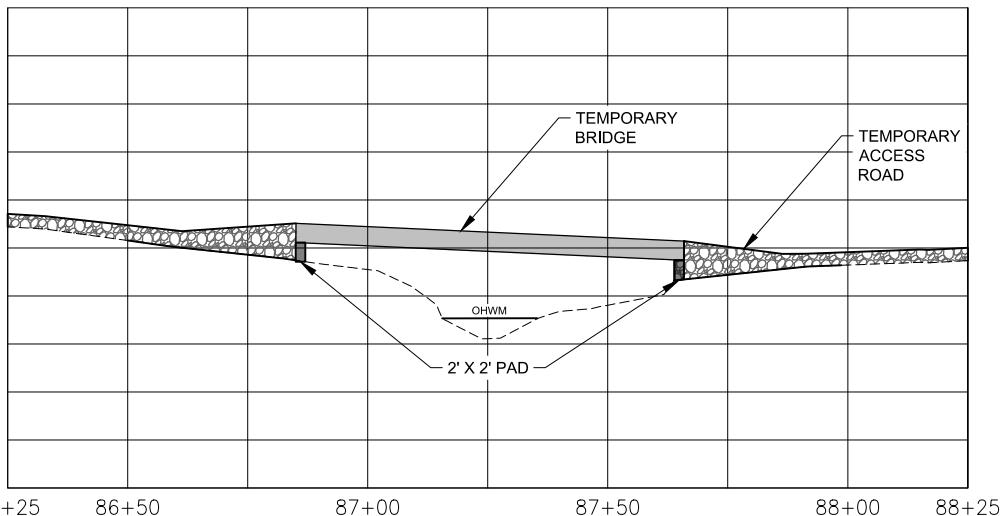
DATUM: NAVD 88

LAT: 47° 49' 35" N LON: 122° 13' 12" W

STREAM RELOCATION SPRAGUE & WAXEN

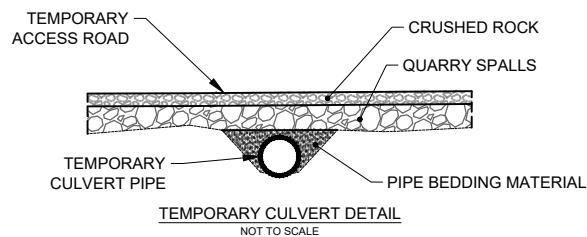
NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
ROAD PROJECT NO. RC1546

NEAR: CITY OF BOTHELL
AT: SPRAGUE DR,
SECTS. 18, T. 27 N., R. 5 E., W.M.
COUNTY OF: SNOHOMISH
STATE: WASHINGTON
APPLICATION BY: SNOHOMISH COUNTY PUBLIC WORKS
FIGURE 33 OF 34 DATE: NOVEMBER, 2018

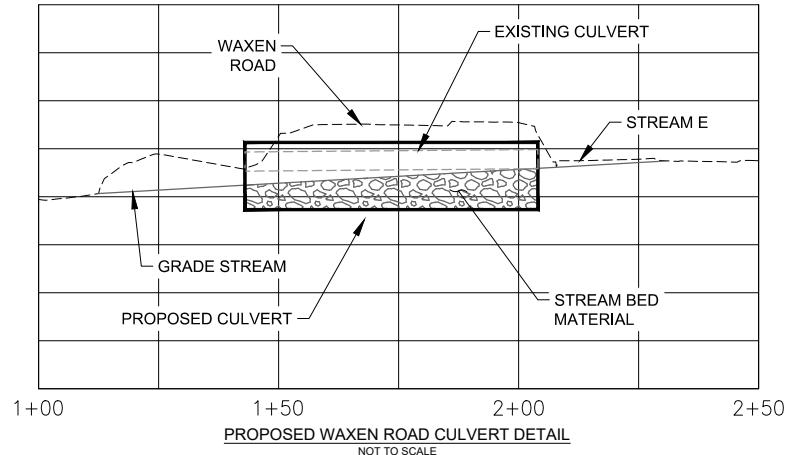


86+25 86+50 87+00 87+50 88+00 88+25

NORTH CREEK TEMPORARY BRIDGE DETAIL
NOT TO SCALE



TEMPORARY CULVERT DETAIL
NOT TO SCALE



1+00 1+50 2+00 2+50
PROPOSED WAXEN ROAD CULVERT DETAIL
NOT TO SCALE

PURPOSE: CONSTRUCT TRAIL

DATUM: NAVD 88

LAT: 47° 49' 35" N LON: 122° 13' 12" W

TEMPORARY BRIDGE & CULVERT DETAILS

NORTH CREEK TRAIL
208TH ST SE - 183RD ST SE
ROAD PROJECT NO. RC1546

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FIGURE 34 OF 34 DATE: NOVEMBER, 2018

