



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: (360) 688-3675
ATTN: Rebecca McAndrew,
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: June 24, 2015
Expiration Date: July 24, 2015

Reference No.: NWS-2014-29
Name: WA St Dept of Transportation
(I-405, SR 167 Direct Connector)

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 June 4, 2015.

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: Washington State Department of Transportation
Attention: Ms. Angela Angove
600 108th Avenue Northeast, Suite 405 NB 82-250
Bellevue, Washington 98004
Telephone: (425) 456-8589

LOCATION: In wetlands, ditches, East Fork Panther Creek, and Rolling Hills Creek at the City of Renton, Washington.

WORK: The Washington State Department of Transportation (WSDOT) proposes to modify the State Route (SR) 167/Interstate 405 (I-405) Interchange by constructing a direct connector ramp for a high occupancy vehicle (HOV)/express toll lane (ETL) in each direction between the SR 167 south leg high occupancy toll (HOT) lanes and I-405 north leg HOV lanes. The project would open up the medians to make room for the direct connector ramps, construct a new HOV/ETL structure between SR 167 and I-405, widen/replace the I-405 bridge over SR 515, and relocate a noise barrier. Stormwater facilities include media filter drains, compost-amended biofiltration swales, and a detention vault. The project would permanently, directly impact 3.10 acres of wetland; permanently, indirectly impact 2.76 acres of wetland; and permanently convert 1.29 acres of wetland to stream. Permanently impacted wetlands include Washington State Department of Ecology Category II, III, and IV; depressional and riverine; and palustrine forested, scrub-shrub, and emergent systems. Temporary wetland impacts total 0.80 of an acre of shrub and forested habitat. Permanent stream impacts total 0.06 of an acre and temporary stream impacts are 0.01 of an acre. Permanent ditch impacts are 0.04 of an acre. Permanent buffer impacts are 0.82 of an acre and temporary buffer impacts are 0.13 of an acre. Buffer impacts are to forested, shrub, and herbaceous vegetation.

The impacted wetland functions include flood flow alteration, sediment removal, nutrient and toxicant removal, erosion control and shoreline stabilization, organic matter production and export, general habitat suitability, general fish habitat, aquatic invertebrate habitat, amphibian habitat, and wetland-associated mammal habitat.

NWS-2014-29, WA St Dept of Transportation

PURPOSE: To improve safety and relieve congestion at the I-405, SR 167 Interchange.

ADDITIONAL INFORMATION: If issued, this permit would be valid for 5 years.

The wetland boundaries and location of the ordinary high water marks 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: WSDOT minimized wetland impacts by steepening side slopes. To compensate for unavoidable wetland impacts, WSDOT proposes to use 5.63 credits at the Springbrook Creek Wetland and Habitat Mitigation Bank (Springbrook Bank). Springbrook Bank is located approximately 2,000 feet west from the project corridor. All of the impacted functions would be provided at Springbrook Bank at equivalent or higher levels than the impacted functions. To compensate for stream impacts, WSDOT proposes to realign 1,400 linear feet (an additional 880 linear feet more than what is needed for the road widening) of Rolling Hills Creek into a wider channel that is connected to the floodplain within a riparian corridor. The existing Rolling Hills Creek channel is narrow and incised, confined between SR 167 and a berm.

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 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 Highway Administration (FHWA), 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 project will adversely affect listed species and their designated critical habitat. A Biological Opinion was issued on March 3, 2008. FHWA has reinitiated consultation to address effects to species listed after 2008 and is currently in consultation.

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 adversely affect Pacific Coast Salmon EFH in the project area. The FHWA, as the lead agency for a determination regarding EFH, has consulted with the NMFS, who concurred with their determination on March 3, 2008.

CULTURAL RESOURCES: The FHWA, 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. The FHWA determined the project would not affect any historic properties. The SHPO concurred with FHWA's determination on November 24, 2014.

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.

NWS-2014-29, WA St Dept of Transportation

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. All fill material would come from a WSDOT-approved source.

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.

ADDITIONAL EVALUATION: This proposal is outside of the Shorelines Management Act jurisdiction.

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.

CORPS COMMENTS: All e-mail comments should be sent to mcandrr@wsdot.wa.gov. Conventional mail comments should be sent to: U.S. Army Corps of Engineers, Regulatory Branch, Attention: Ms. Rebecca McAndrew, 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: WA St Dept of Transportation, NWS-2014-29

Encl: Figures (18)

T. 23N. R. 5E. W.M.

END PROJECT
I-405 MP. 3.96
NB405 1272+82.10
LAT 47° 29'0.65" N
LONG 122° 11'48.74" W

PROJECT LOCATION



WASHINGTON STATE

I-405/SR 167 INTERCHANGE DIRECT CONNECTOR PROJECT VICINITY MAP

STREAM	SHEETS
East Fork of Panther Creek (09.SC-25.7)	5
Rolling Hills Creek (09.SC-2.8)	8, 11, 15, 16

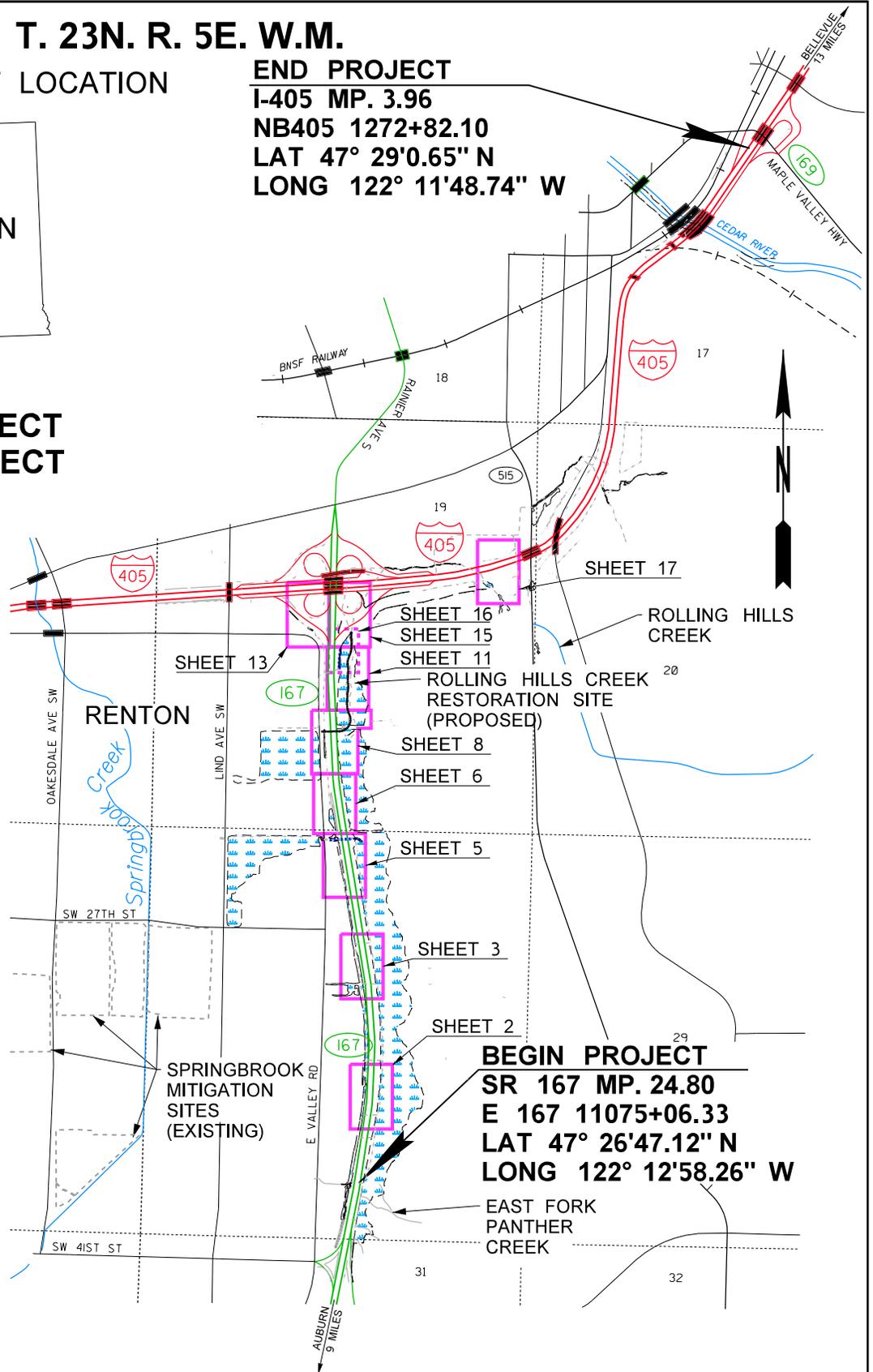
JURISDICTIONAL DITCH	SHEETS
D2.21R	12
D2.22R	12
D2.6L	17
D2.61L	17

WETLAND	SHEETS
2.2R-A	13
2.2R-B	13
2.31R	15, 16
2.6R	17
2.7R	17
24.7R-A	2, 3, 5, 6
24.7R-B	6, 8
24.7R-C	8, 11, 15, 16
25.0L	2, 3, 5
25.7L	6
25.8L	6, 8
25.9L	8



NAD 83/91 (HORIZONTAL)
 NAVD 88 (VERTICAL)

0 1000 2000
 SCALE IN FEET



BEGIN PROJECT
SR 167 MP. 24.80
E 167 11075+06.33
LAT 47° 26'47.12" N
LONG 122° 12'58.26" W

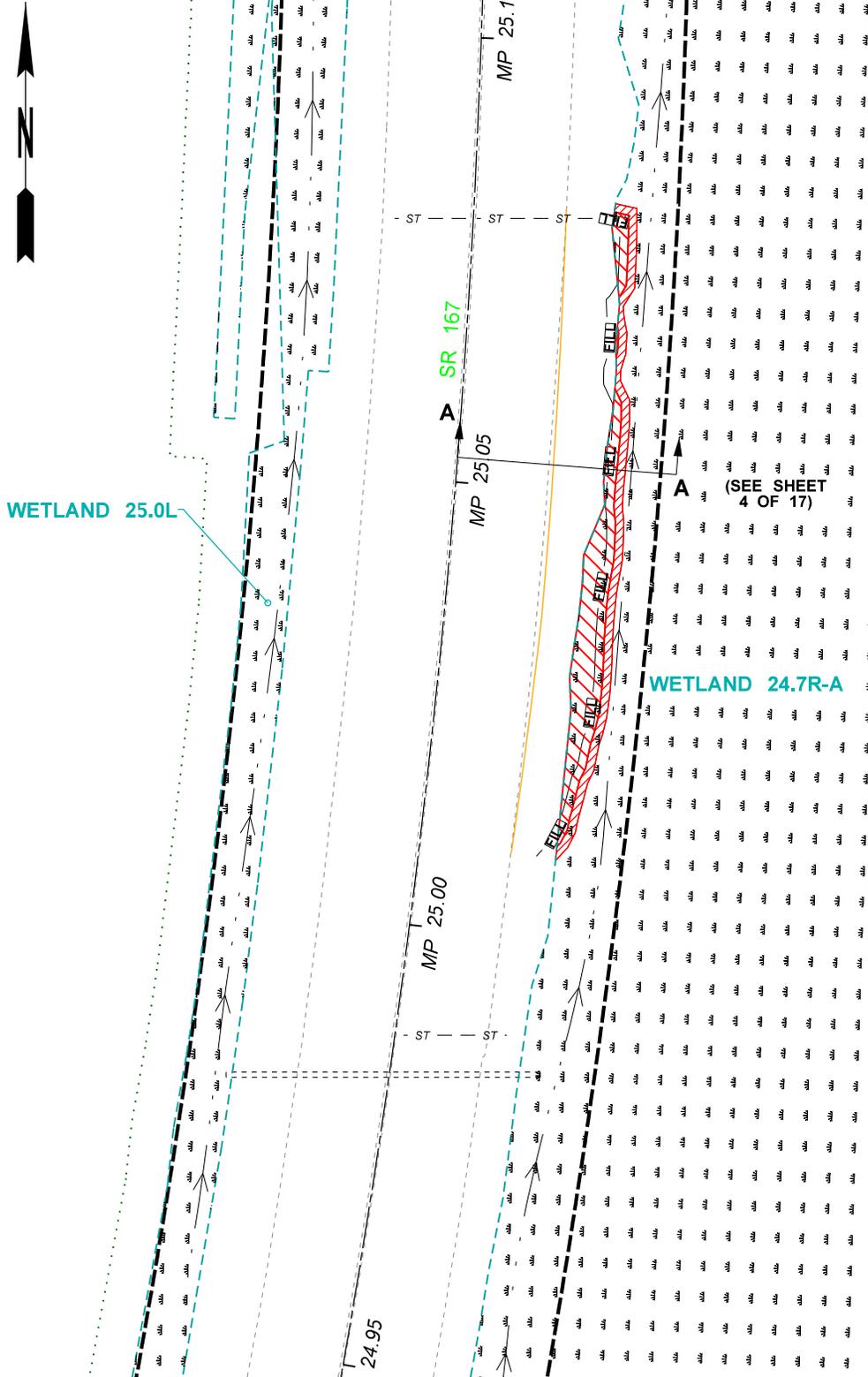
PROJECT: I-405/SR167 INTERCHANGE DIRECT CONNECTOR	REFERENCE: NWS-2014-29
PURPOSE: ROADWAY IMPROVEMENTS	APPLICANT: WSDOT
PROPOSED: 7.0 ACRES OF IMPACTS TO WETLANDS AND OTHER WATER	COUNTY: KING
LOCATION: I-405/SR167 INTERCHANGE, RENTON, WA	NEAR: RENTON
SR 167 MP 24.80 TO MP 26.26, I-405 MP 2.32 TO MP 3.96	WATER BODY: ROLLING HILLS CREEK & WETLANDS
DATUM: HORIZONTAL: NAD 83 /91. VERTICAL: NAVD 88	DATE: 06/04/2015
ADJACENT PROPERTY OWNERS: SEE ATTACHMENT C	



Washington State Department of Transportation

SHEET: 1 OF: 18

T. 23N. R. 5E. W.M.



LEGEND

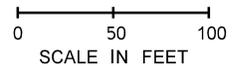
- ROADWAY CENTERLINE
- OHWL
- ORDINARY HIGH WATER LINE
- WETLAND BOUNDARY
- WETLAND
- WETLAND BUFFER
- PROPOSED STREAM CENTER LINE
- EXISTING STREAM CENTER LINE
- STREAM BUFFER
- CUT CUT LINE
- FILL FILL LINE
- EXISTING DRAINAGE CULVERT
- PROPOSED DRAINAGE CULVERT
- EXISTING DITCH
- PROPOSED DITCH
- PERMANENT JURISDICTIONAL DITCH IMPACT
- RIGHT OF WAY
- EXISTING EDGE OF PAVEMENT
- PROPOSED EDGE OF PAVEMENT
- EXISTING STORM DRAIN
- PROPOSED STORM DRAIN
- PROPOSED WALL
- PERMANENT WETLAND IMPACT
- LONG-TERM TEMPORARY WETLAND IMPACT
- PERMANENT WETLAND BUFFER IMPACT
- TEMPORARY WETLAND BUFFER IMPACT
- PERMANENT CONVERSION IMPACT
- PERMANENT STREAM IMPACT
- TEMPORARY STREAM IMPACT
- INDIRECT PERMANENT WETLAND IMPACT

WETLAND IMPACTS

WETLAND 24.7R-A (CAT II)	SQ. FT.	ACRES
WETLAND AREA	1,922,748	44.14
PERM. WETLAND IMPACT	3,860	0.09
LONG-TERM TEMP. WETLAND IMPACT	4,125	0.09

WETLAND 25.0L (CAT III)	SQ. FT.	ACRES
WETLAND AREA	180,316	4.14

See Sheet 5 of 18 for Impacts

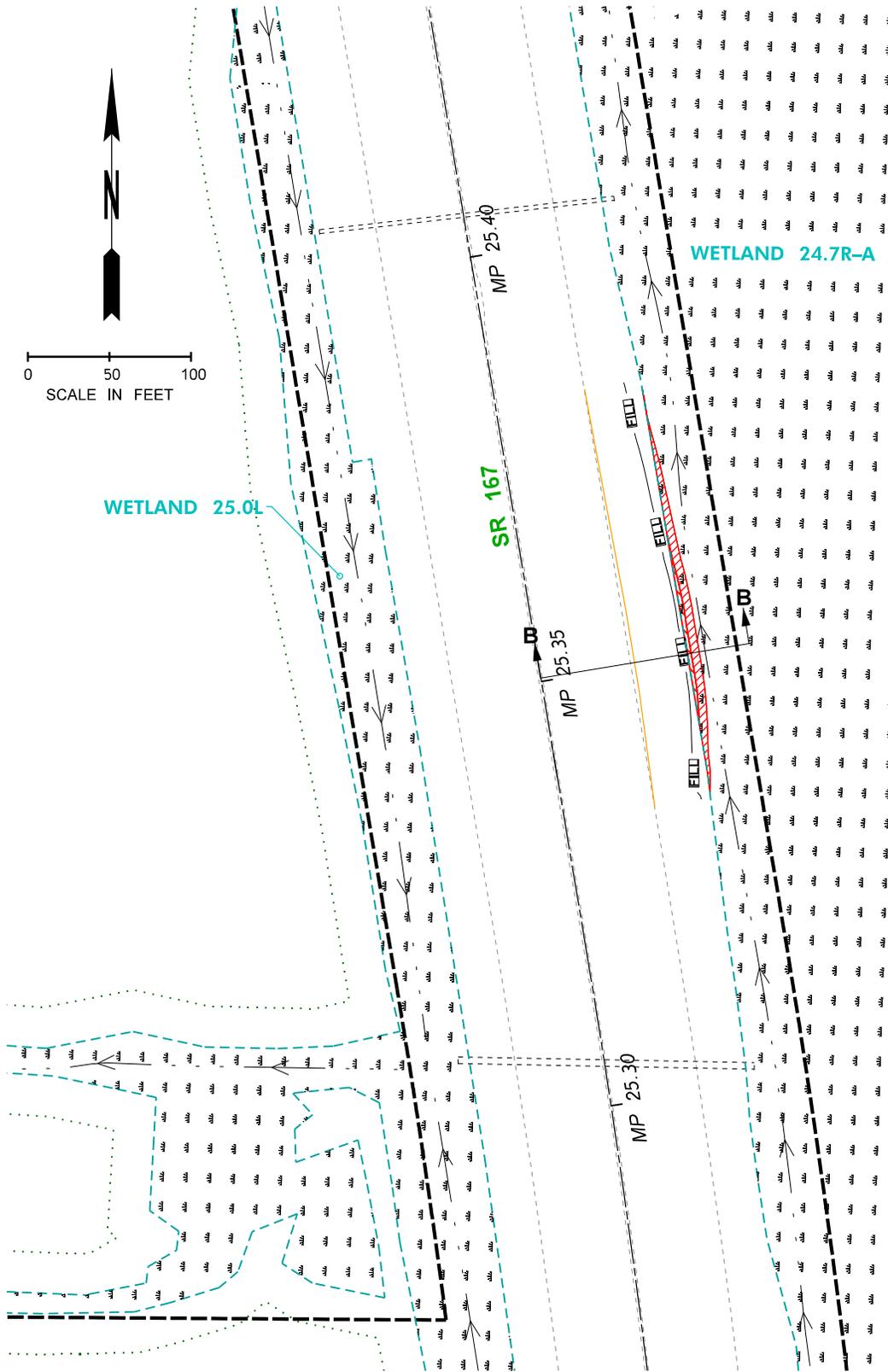
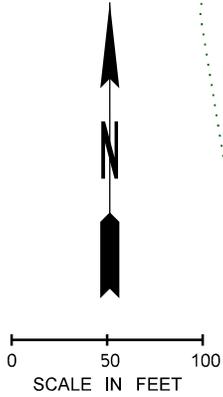


PROJECT: I-405/SR167 INTERCHANGE DIRECT CONNECTOR	REFERENCE: NWS-2014-29
PURPOSE: ROADWAY IMPROVEMENTS	APPLICANT: WSDOT
PROPOSED: 7.0 ACRES OF IMPACTS TO WETLANDS AND OTHER WATER	COUNTY: KING
LOCATION: I-405/SR167 INTERCHANGE, RENTON, WA	NEAR: RENTON
SR 167 MP 24.80 TO MP 26.26, I-405 MP 2.32 TO MP 3.96	WATER BODY: ROLLING HILLS CREEK & WETLANDS
DATUM: HORIZONTAL: NAD 83 /91. VERTICAL: NAVD 88	DATE: 06/04/2015
ADJACENT PROPERTY OWNERS: SEE ATTACHMENT C	

Washington State
Department of Transportation

SHEET: 2 OF: 18

T. 23N. R. 5E. W.M.



LEGEND

- ROADWAY CENTERLINE
- ORDINARY HIGH WATER LINE
- WETLAND BOUNDARY
- WETLAND
- WETLAND BUFFER
- PROPOSED STREAM CENTER LINE
- EXISTING STREAM CENTER LINE
- STREAM BUFFER
- CUT
- FILL
- EXISTING DRAINAGE CULVERT
- PROPOSED DRAINAGE CULVERT
- EXISTING DITCH
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WETLAND/ STREAM IMPACTS

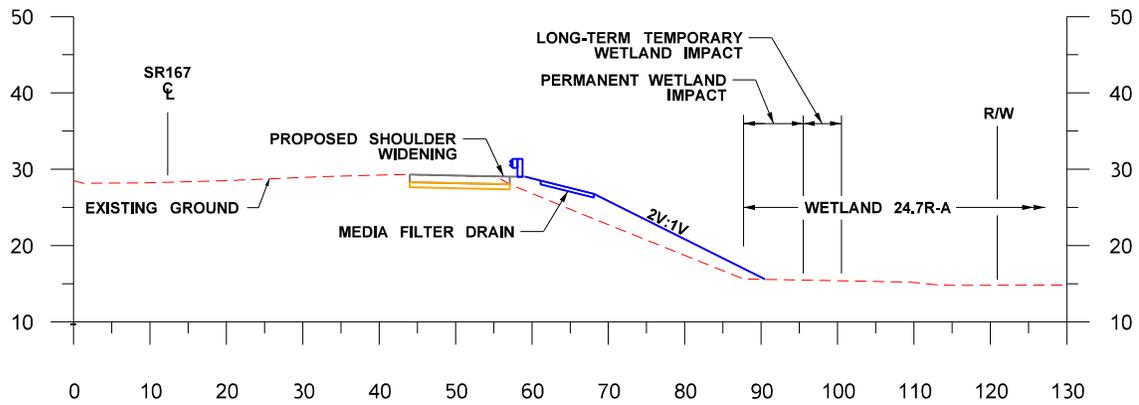
WETLAND 24.7R-A (CAT II)	SQ. FT.	ACRES
WETLAND AREA	1,922,748	44.14
See Sheet 2 of 18 for Impacts		

WETLAND 25.0L (CAT III)	SQ. FT.	ACRES
WETLAND AREA	180,316	4.14
See Sheet 5 of 18 for impacts		

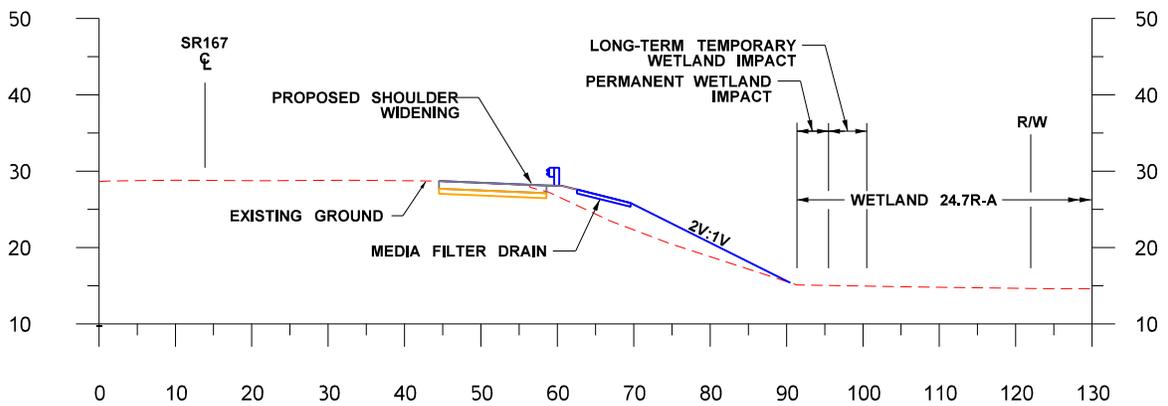
PROJECT: I-405/SR167 INTERCHANGE DIRECT CONNECTOR	REFERENCE: NWS-2014-29
PURPOSE: ROADWAY IMPROVEMENTS	APPLICANT: WSDOT
PROPOSED: 7.0 ACRES OF IMPACTS TO WETLANDS AND OTHER WATER	COUNTY: KING
LOCATION: I-405/SR167 INTERCHANGE, RENTON, WA	NEAR: RENTON
SR 167 MP 24.80 TO MP 26.26, I-405 MP 2.32 TO MP 3.96	WATER BODY: ROLLING HILLS CREEK & WETLANDS
DATUM: HORIZONTAL: NAD 83 /91. VERTICAL: NAVD 88	DATE: 06/04/2015
ADJACENT PROPERTY OWNERS: SEE ATTACHMENT C	



Washington State
Department of Transportation



SECTION A-A (MP 25.05)



SECTION B-B (MP 25.35)

NOTES:

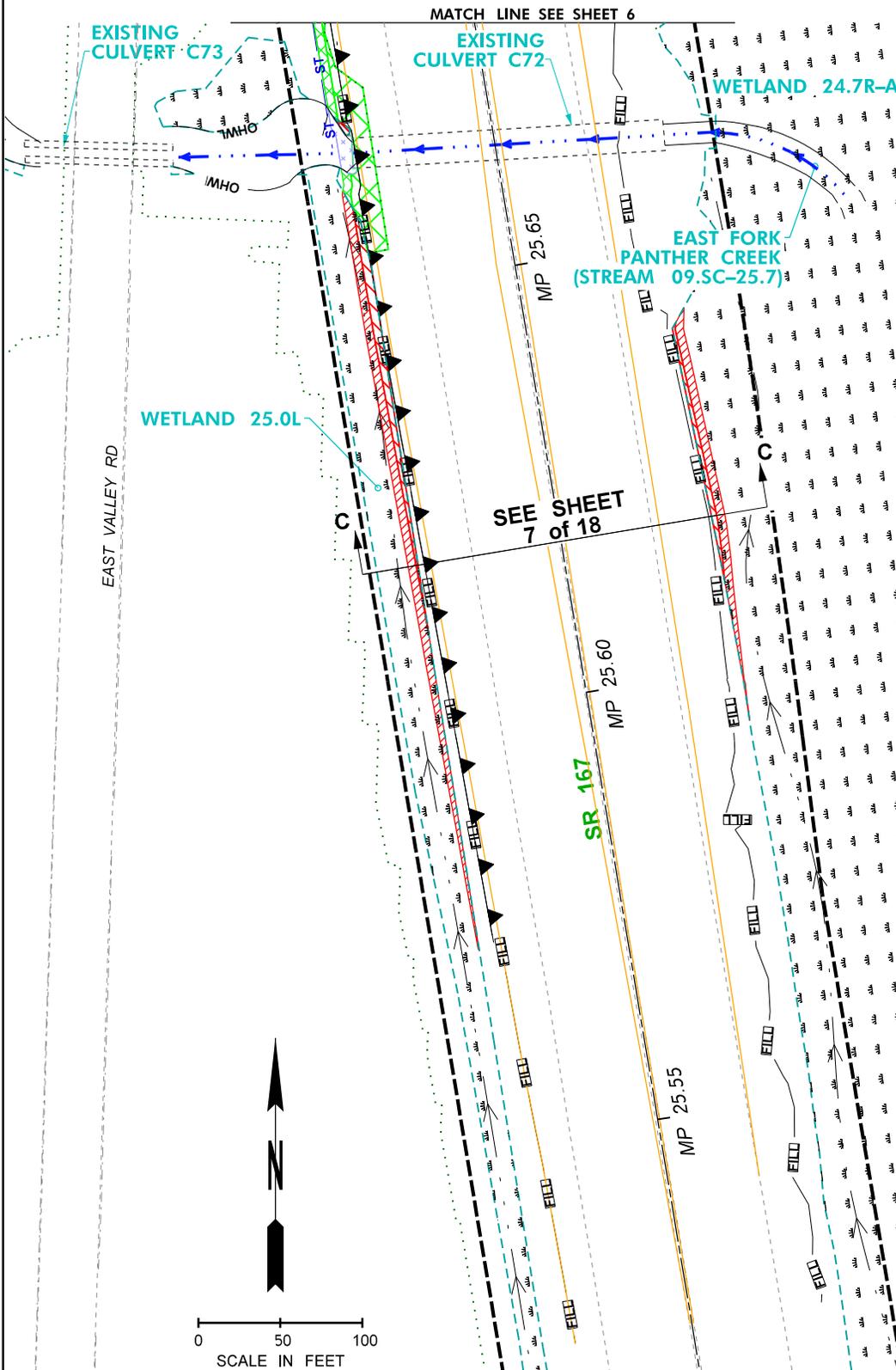
1. ALL DIMENSIONS ARE IN FEET.
2. CROSS SECTION SCALES ARE DRAWN AT 1H:1V.

PROJECT: I-405/SR167 INTERCHANGE DIRECT CONNECTOR	REFERENCE: NWS-2014-29
PURPOSE: ROADWAY IMPROVEMENTS	APPLICANT: WSDOT
PROPOSED: 7.0 ACRES OF IMPACTS TO WETLANDS AND OTHER WATER	COUNTY: KING
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DATUM: HORIZONTAL: NAD 83 /91. VERTICAL: NAVD 88	DATE: 06/04/2015
ADJACENT PROPERTY OWNERS: SEE ATTACHMENT C	



**Washington State
Department of Transportation**

T. 23N. R. 5E. W.M.



LEGEND

- ROADWAY CENTERLINE
- ORDINARY HIGH WATER LINE
- WETLAND BOUNDARY
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- PROPOSED STREAM CENTER LINE
- EXISTING STREAM CENTER LINE
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- LONG-TERM TEMPORARY WETLAND IMPACT
- PERMANENT WETLAND BUFFER IMPACT
- TEMPORARY WETLAND BUFFER IMPACT
- PERMANENT CONVERSION IMPACT
- PERMANENT STREAM IMPACT
- TEMPORARY STREAM IMPACT
- INDIRECT PERMANENT WETLAND IMPACT

WETLAND/ STREAM IMPACTS

WETLAND 24.7R-A (CAT II)	SQ. FT.	ACRES
WETLAND AREA	1,922,748	44.14
See Sheet 2 of 18 for impacts		

WETLAND 25.0L (CAT III)	SQ. FT.	ACRES
WETLAND AREA	180,316	4.14
PERM. WETLAND IMPACT	840	0.02
LONG-TERM TEMP. WETLAND IMPACT	1,890	0.04
PERM. WETLAND BUFFER IMPACT	1,750	0.04
TEMP. WETLAND BUFFER IMPACT	450	0.01

EAST FORK OF PANTHER CREEK (09.SC-25.7)	SQ. FT.	ACRES
TEMP. STREAM IMPACT	260	<0.01

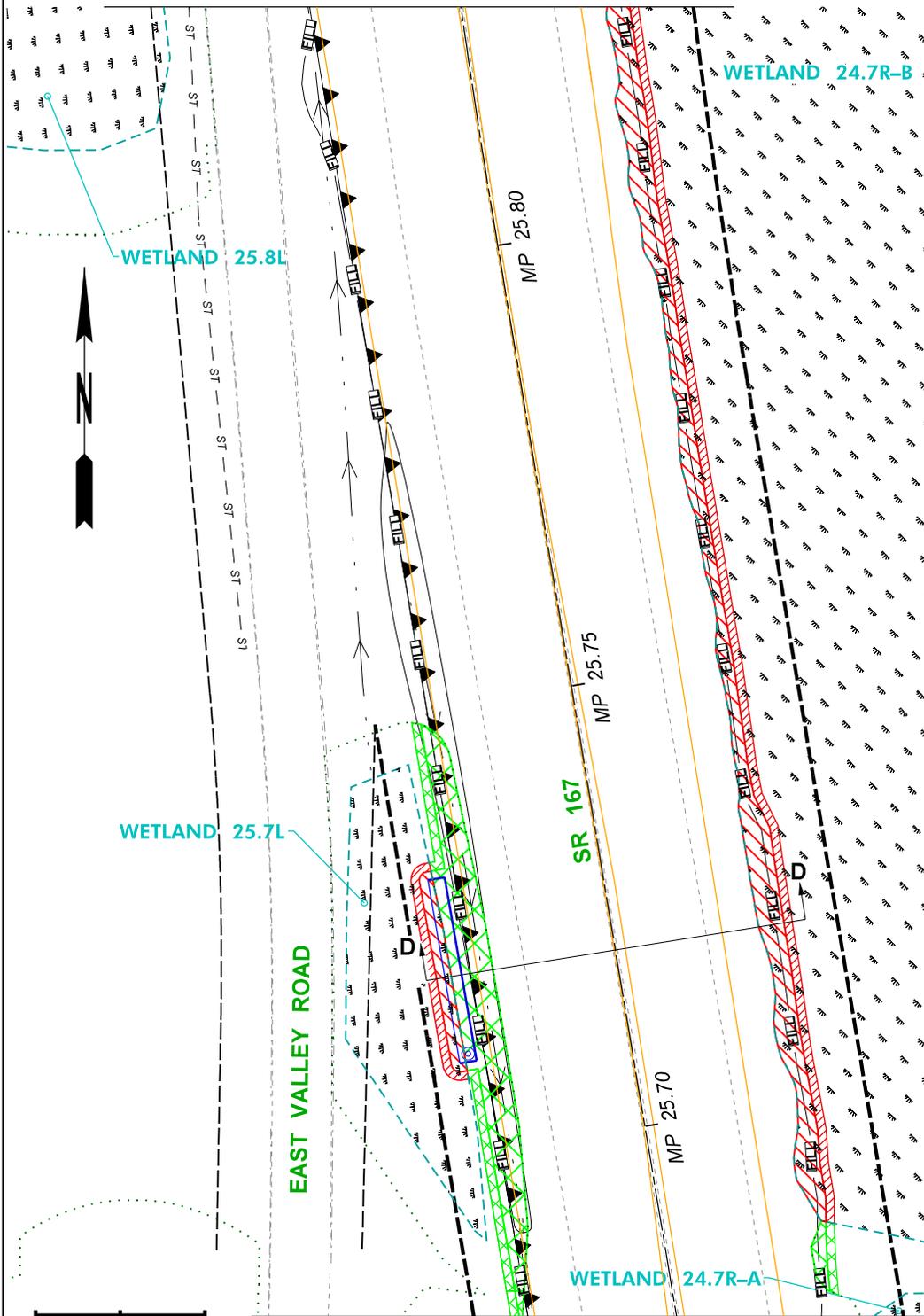
PROJECT: I-405/SR167 INTERCHANGE DIRECT CONNECTOR	REFERENCE: NWS-2014-29
PURPOSE: ROADWAY IMPROVEMENTS	APPLICANT: WSDOT
PROPOSED: 7.0 ACRES OF IMPACTS TO WETLANDS AND OTHER WATER	COUNTY: KING
LOCATION: I-405/SR167 INTERCHANGE, RENTON, WA	NEAR: RENTON
SR 167 MP 24.80 TO MP 26.26, I-405 MP 2.32 TO MP 3.96	WATER BODY: ROLLING HILLS CREEK & WETLANDS
DATUM: HORIZONTAL: NAD 83 /91. VERTICAL: NAVD 88	DATE: 06/04/2015
ADJACENT PROPERTY OWNERS: SEE ATTACHMENT C	



Washington State
Department of Transportation

T. 23N. R. 5E. W.M.

MATCH LINE SEE SHEET 8



MATCH LINE SEE SHEET 5

LEGEND

- ROADWAY CENTERLINE
- OHWL
- ORDINARY HIGH WATER LINE
- WETLAND BOUNDARY
- WETLAND
- WETLAND BUFFER
- PROPOSED STREAM CENTER LINE
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WETLAND IMPACTS

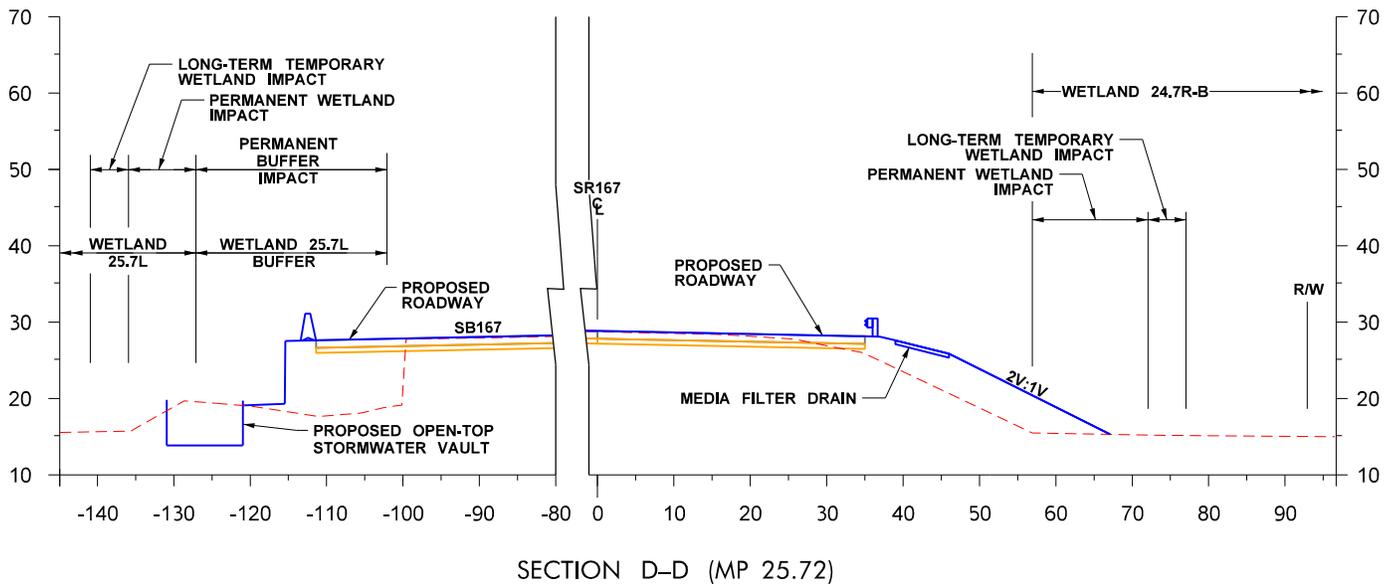
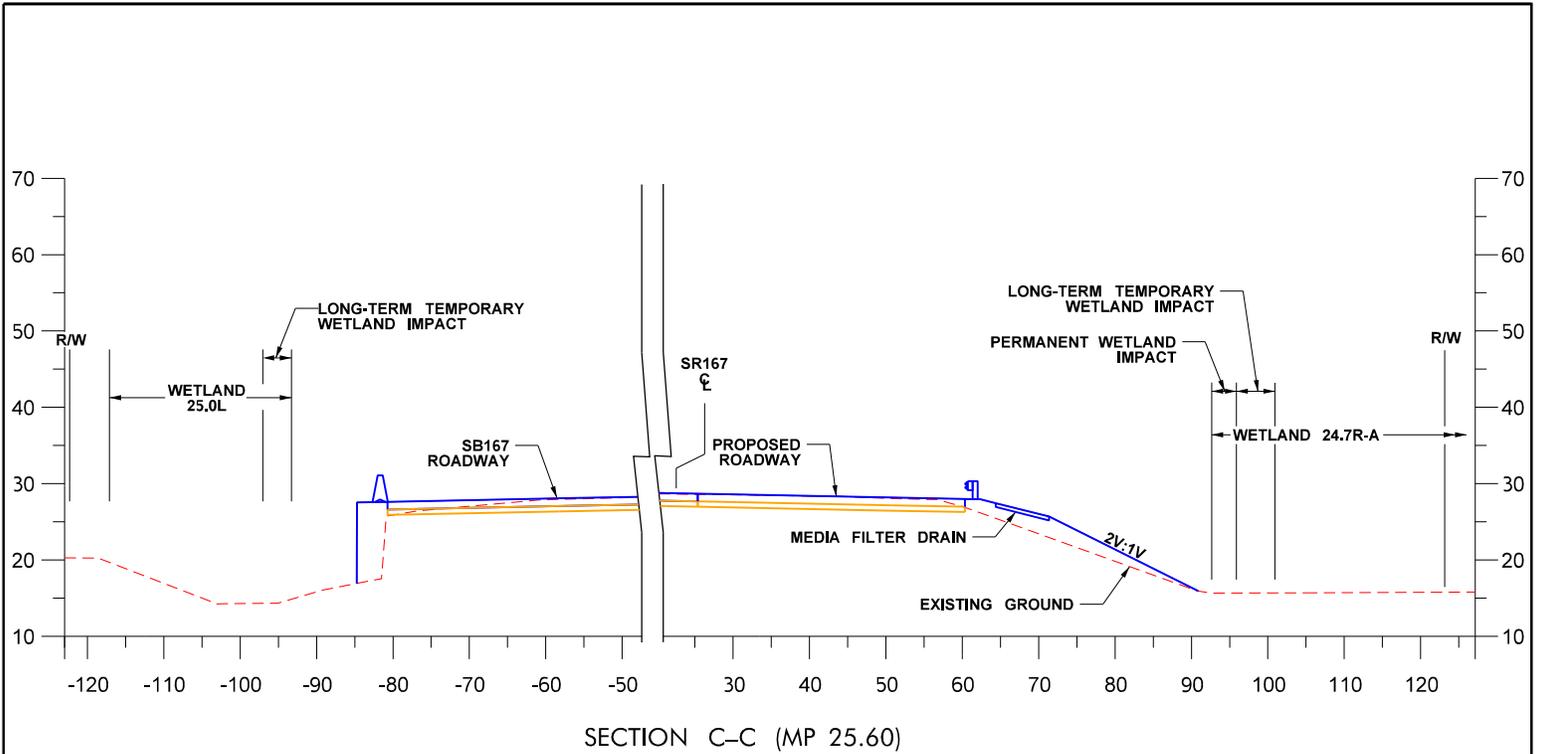
WETLAND 24.7R-B (CAT II)	SQ. FT.	ACRES
WETLAND AREA	420,330	9.65
PERM. WETLAND IMPACT	38,840	0.89
LONG-TERM TEMP. WETLAND IMPACT	14,410	0.33
PERM. WETLAND BUFFER IMPACT	270	<0.01
TEMP. WETLAND BUFFER IMPACT	210	<0.01
PERM. CONVERSION IMPACT	4,190	0.10
WETLAND 25.7L (CAT III)	SQ. FT.	ACRES
WETLAND AREA	12,702	0.29
PERM. WETLAND BUFFER IMPACT	6,200	0.14
TEMP. WETLAND BUFFER IMPACT	1,120	0.03
PERM. WETLAND IMPACT	1,020	0.02
LONG-TERM TEMP. WETLAND IMPACT	700	0.02
WETLAND 25.8L (CAT III)	SQ. FT.	ACRES
WETLAND AREA	501,508	11.51

See Sheet 8 of 18 for impacts

PROJECT: I-405/SR167 INTERCHANGE DIRECT CONNECTOR	REFERENCE: NWS-2014-29
PURPOSE: ROADWAY IMPROVEMENTS	APPLICANT: WSDOT
PROPOSED: 7.0 ACRES OF IMPACTS TO WETLANDS AND OTHER WATER	COUNTY: KING
LOCATION: I-405/SR167 INTERCHANGE, RENTON, WA	NEAR: RENTON
SR 167 MP 24.80 TO MP 26.26, I-405 MP 2.32 TO MP 3.96	WATER BODY: ROLLING HILLS CREEK & WETLANDS
DATUM: HORIZONTAL: NAD 83 /91. VERTICAL: NAVD 88	DATE: 06/04/2015
ADJACENT PROPERTY OWNERS: SEE ATTACHMENT C	



Washington State
Department of Transportation



NOTES:

1. ALL DIMENSIONS ARE IN FEET.
2. CROSS SECTION SCALES ARE DRAWN AT 1H:1V.

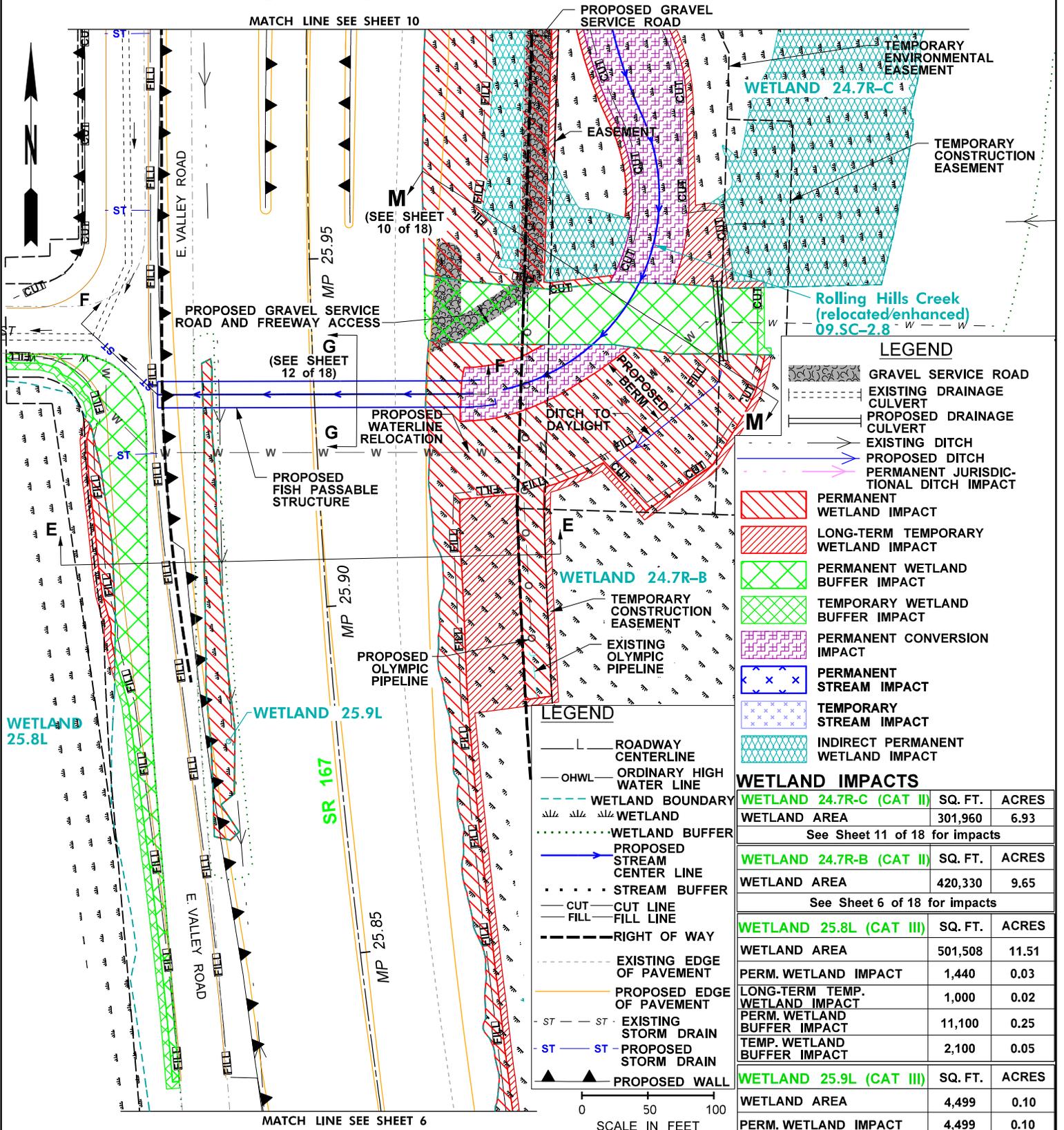
PROJECT: I-405/SR167 INTERCHANGE DIRECT CONNECTOR	REFERENCE: NWS-2014-29
PURPOSE: ROADWAY IMPROVEMENTS	APPLICANT: WSDOT
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ADJACENT PROPERTY OWNERS: SEE ATTACHMENT C	



Washington State
Department of Transportation

T. 23N. R. 5E. W.M.

MATCH LINE SEE SHEET 10



LEGEND

- GRAVEL SERVICE ROAD
- EXISTING DRAINAGE CULVERT
- PROPOSED DRAINAGE CULVERT
- EXISTING DITCH
- PROPOSED DITCH
- PERMANENT JURISDICTIONAL DITCH IMPACT
- PERMANENT WETLAND IMPACT
- LONG-TERM TEMPORARY WETLAND IMPACT
- PERMANENT WETLAND BUFFER IMPACT
- TEMPORARY WETLAND BUFFER IMPACT
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LEGEND

- ROADWAY CENTERLINE
- ORDINARY HIGH WATER LINE
- WETLAND BOUNDARY
- WETLAND
- WETLAND BUFFER
- PROPOSED STREAM CENTER LINE
- STREAM BUFFER
- CUT LINE
- FILL LINE
- RIGHT OF WAY
- EXISTING EDGE OF PAVEMENT
- PROPOSED EDGE OF PAVEMENT
- EXISTING STORM DRAIN
- PROPOSED STORM DRAIN
- PROPOSED WALL

WETLAND IMPACTS

WETLAND 24.7R-C (CAT II)	SQ. FT.	ACRES
WETLAND AREA	301,960	6.93
See Sheet 11 of 18 for impacts		
WETLAND 24.7R-B (CAT II)	SQ. FT.	ACRES
WETLAND AREA	420,330	9.65
See Sheet 6 of 18 for impacts		
WETLAND 25.8L (CAT III)	SQ. FT.	ACRES
WETLAND AREA	501,508	11.51
PERM. WETLAND IMPACT	1,440	0.03
LONG-TERM TEMP. WETLAND IMPACT	1,000	0.02
PERM. WETLAND BUFFER IMPACT	11,100	0.25
TEMP. WETLAND BUFFER IMPACT	2,100	0.05
WETLAND 25.9L (CAT III)	SQ. FT.	ACRES
WETLAND AREA	4,499	0.10
PERM. WETLAND IMPACT	4,499	0.10

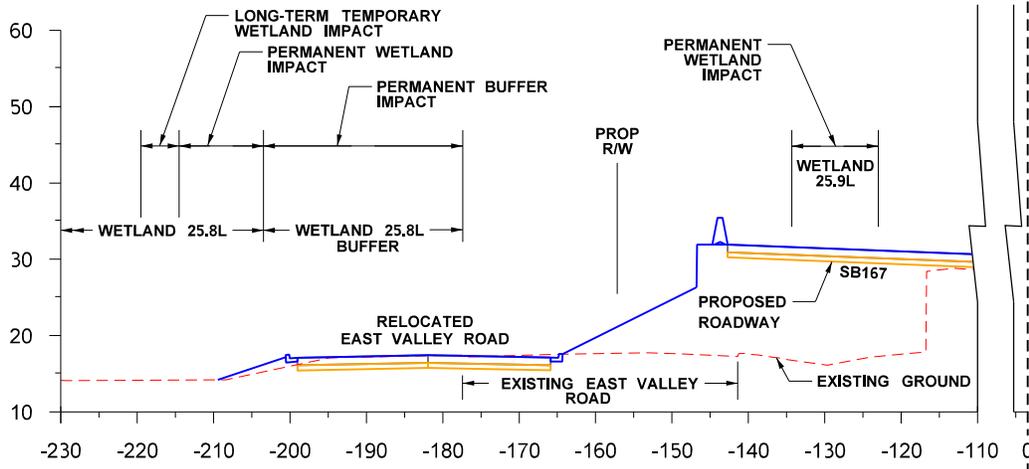
MATCH LINE SEE SHEET 6

SCALE IN FEET

PROJECT: I-405/SR167 INTERCHANGE DIRECT CONNECTOR	REFERENCE: NWS-2014-29
PURPOSE: ROADWAY IMPROVEMENTS	APPLICANT: WSDOT
PROPOSED: 7.0 ACRES OF IMPACTS TO WETLANDS AND OTHER WATER	COUNTY: KING
LOCATION: I-405/SR167 INTERCHANGE, RENTON, WA	NEAR: RENTON
SR 167 MP 24.80 TO MP 26.26, I-405 MP 2.32 TO MP 3.96	WATER BODY: ROLLING HILLS CREEK & WETLANDS
DATUM: HORIZONTAL: NAD 83 / 91. VERTICAL: NAVD 88	DATE: 06/04/2015
ADJACENT PROPERTY OWNERS: SEE ATTACHMENT C	

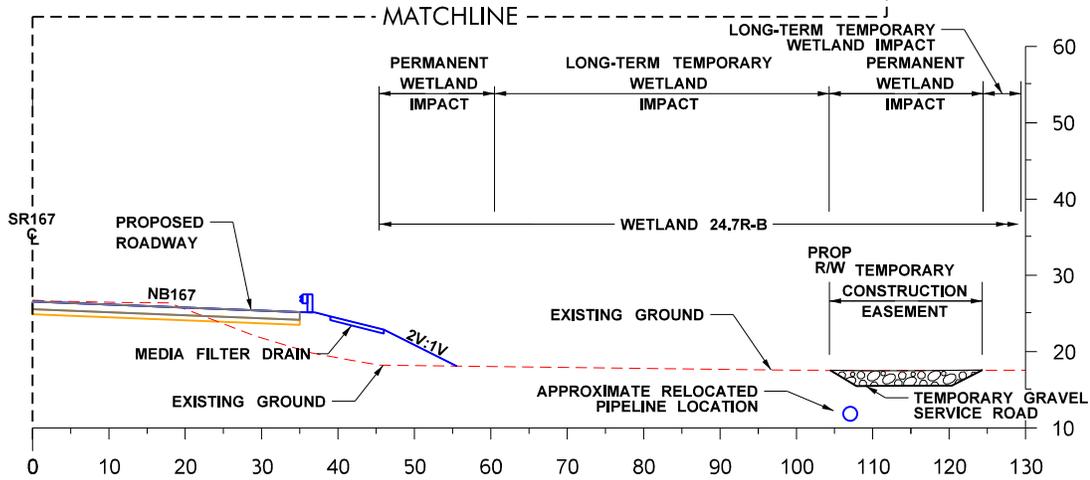


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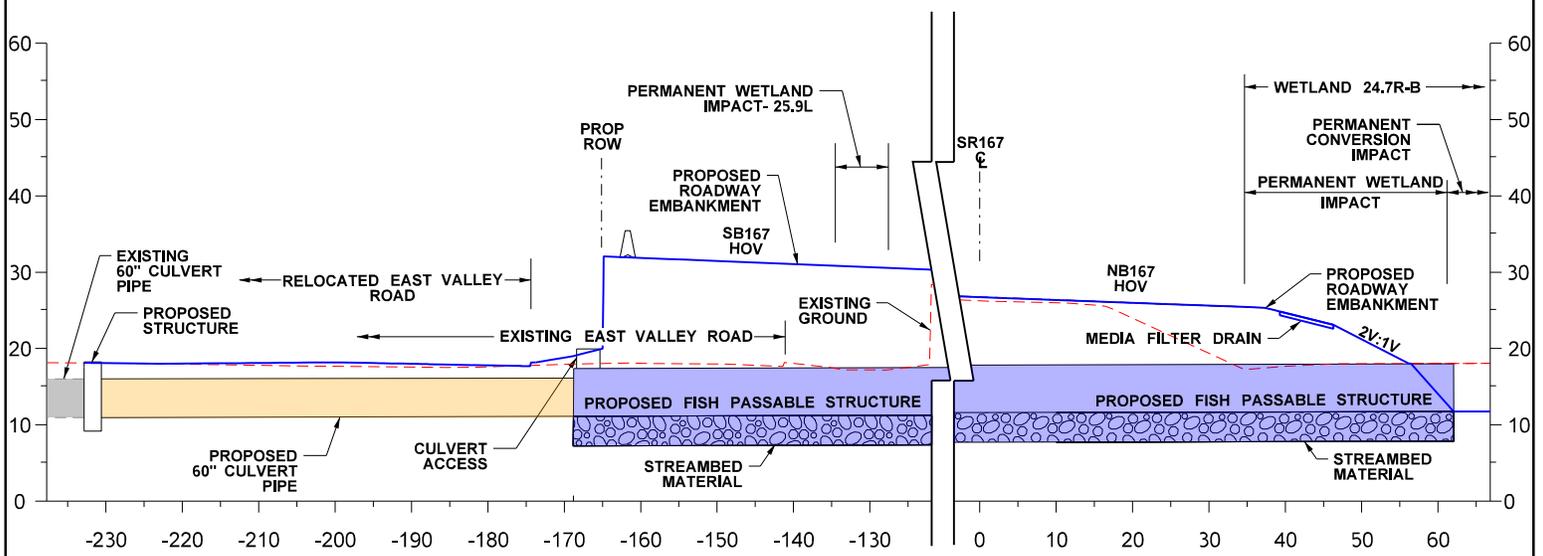


NOTES:
 1. ALL DIMENSIONS ARE IN FEET.
 2. CROSS SECTION SCALES ARE DRAWN AT 1H:1V.

SECTION E-E (MP 25.91)



SECTION E-E (MP 25.91)- cont'd

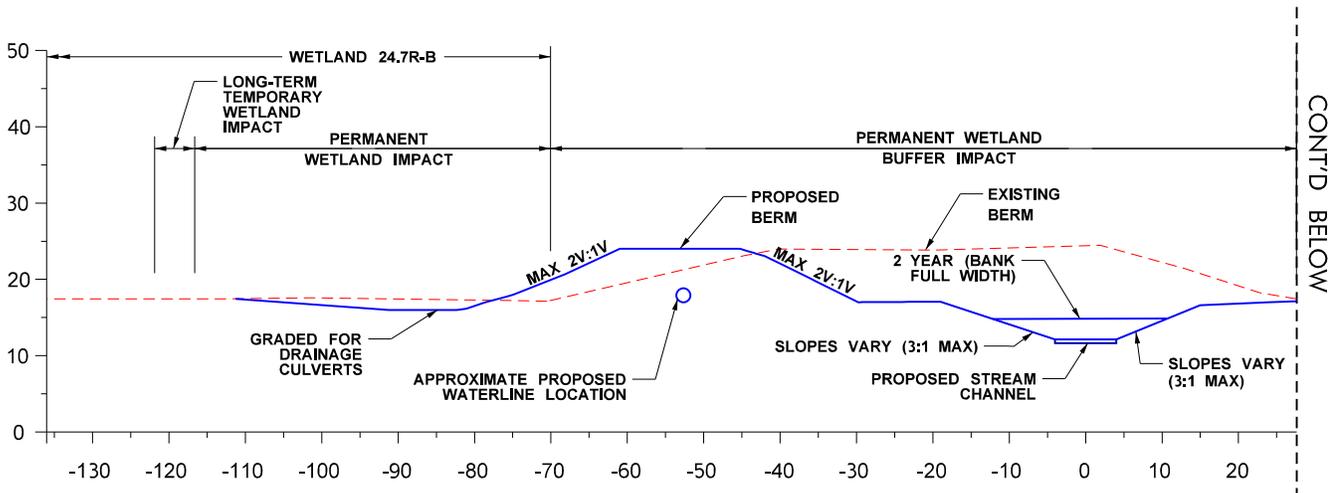


SECTION F-F (MP 25.92)

PROJECT: I-405/SR167 INTERCHANGE DIRECT CONNECTOR	REFERENCE: NWS-2014-29
PURPOSE: ROADWAY IMPROVEMENTS	APPLICANT: WSDOT
PROPOSED: 7.0 ACRES OF IMPACTS TO WETLANDS AND OTHER WATER	COUNTY: KING
LOCATION: I-405/SR167 INTERCHANGE, RENTON, WA	NEAR: RENTON
SR 167 MP 24.80 TO MP 26.26, I-405 MP 2.32 TO MP 3.96	WATER BODY: ROLLING HILLS CREEK & WETLANDS
DATUM: HORIZONTAL: NAD 83 /91. VERTICAL: NAVD 88	DATE: 06/04/2015
ADJACENT PROPERTY OWNERS: SEE ATTACHMENT C	

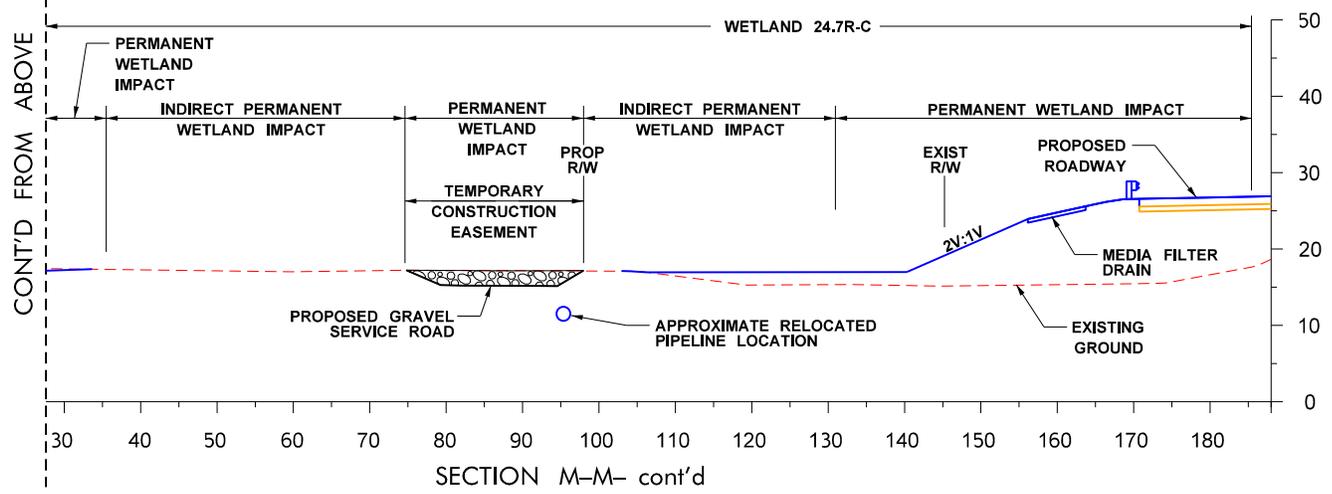


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CONT'D BELOW

MATCHLINE



CONT'D FROM ABOVE

SECTION M-M- cont'd

- NOTES:**
1. ALL DIMENSIONS ARE IN FEET.
 2. CROSS SECTION SCALES ARE DRAWN AT 1H:1V.

PROJECT: I-405/SR167 INTERCHANGE DIRECT CONNECTOR	REFERENCE: NWS-2014-29
PURPOSE: ROADWAY IMPROVEMENTS	APPLICANT: WSDOT
PROPOSED: 7.0 ACRES OF IMPACTS TO WETLANDS AND OTHER WATER	COUNTY: KING
LOCATION: I-405/SR167 INTERCHANGE, RENTON, WA	NEAR: RENTON
SR 167 MP 24.80 TO MP 26.26, I-405 MP 2.32 TO MP 3.96	WATER BODY: ROLLING HILLS CREEK & WETLANDS
DATUM: HORIZONTAL: NAD 83 /91. VERTICAL: NAVD 88	DATE: 06/04/2015
ADJACENT PROPERTY OWNERS: SEE ATTACHMENT C	



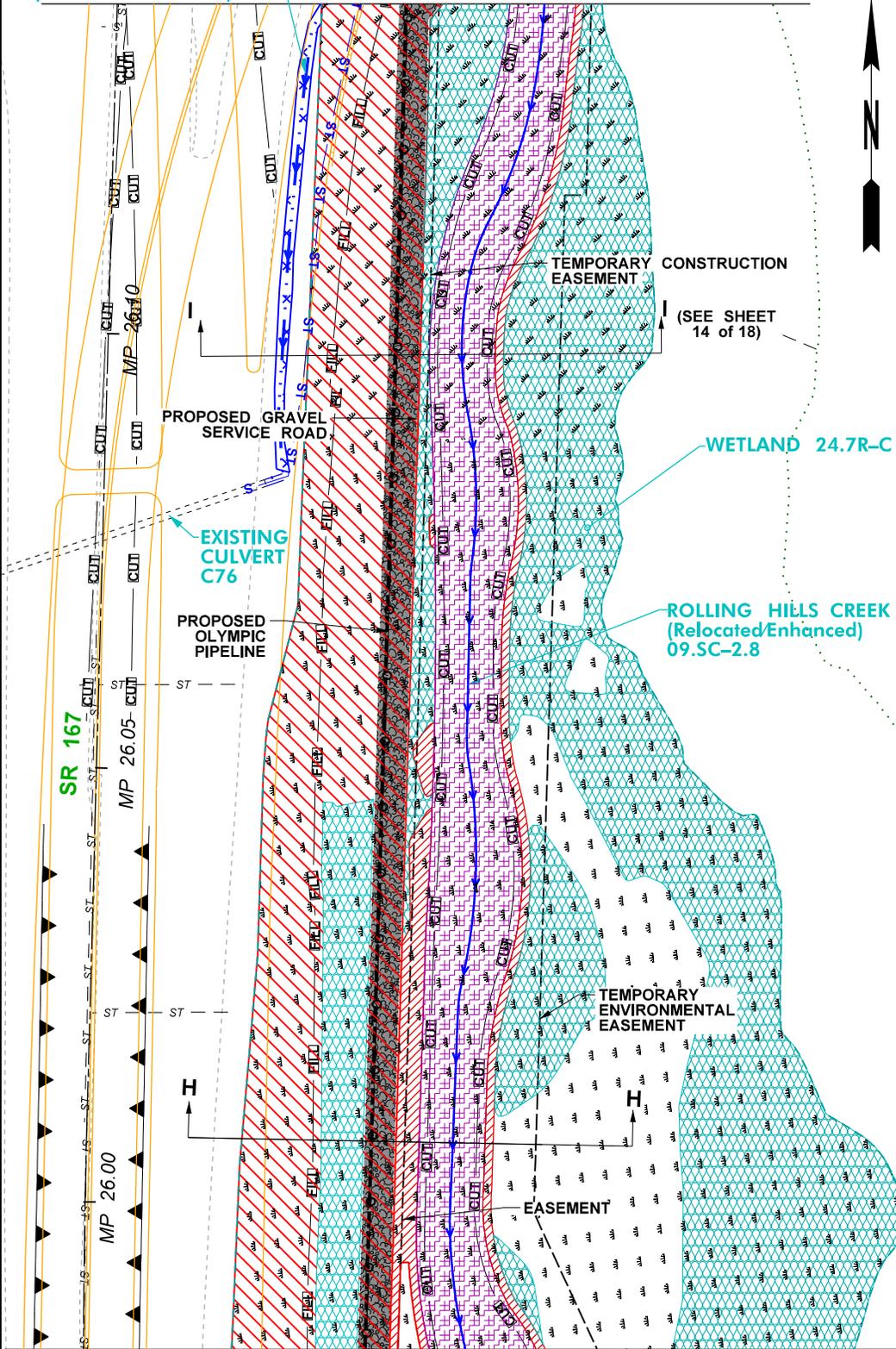
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SHEET: 10 OF: 18

T. 23N. R. 5E. W.M.

ROLLING HILLS CREEK
(STREAM 09.SC-2.8)

MATCH LINE SEE SHEET 13 & SHEET 15



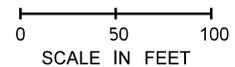
LEGEND

- ROADWAY CENTERLINE
- OHWL
- ORDINARY HIGH WATER LINE
- WETLAND BOUNDARY
- WETLAND
- WETLAND BUFFER
- PROPOSED STREAM CENTER LINE
- EXISTING STREAM CENTER LINE
- STREAM BUFFER
- CUT CUT LINE
- FILL FILL LINE
- EXISTING DRAINAGE CULVERT
- PROPOSED DRAINAGE CULVERT
- EXISTING DITCH
- PROPOSED DITCH
- PERMANENT JURISDICTIONAL DITCH IMPACT
- RIGHT OF WAY
- EXISTING EDGE OF PAVEMENT
- PROPOSED EDGE OF PAVEMENT
- EXISTING STORM DRAIN
- PROPOSED STORM DRAIN
- PROPOSED WALL
- PERMANENT WETLAND IMPACT
- LONG-TERM TEMPORARY WETLAND IMPACT
- PERMANENT WETLAND BUFFER IMPACT
- TEMPORARY WETLAND BUFFER IMPACT
- PERMANENT CONVERSION IMPACT
- PERMANENT STREAM IMPACT
- TEMPORARY STREAM IMPACT
- INDIRECT PERMANENT WETLAND IMPACT
- GRAVEL SERVICE ROAD

WETLAND/ STREAM IMPACTS

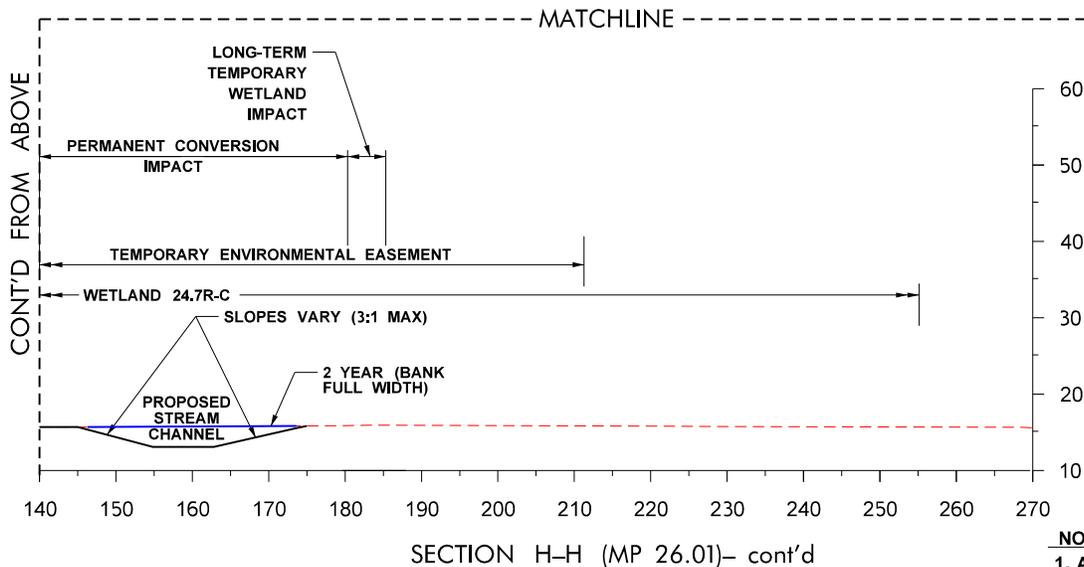
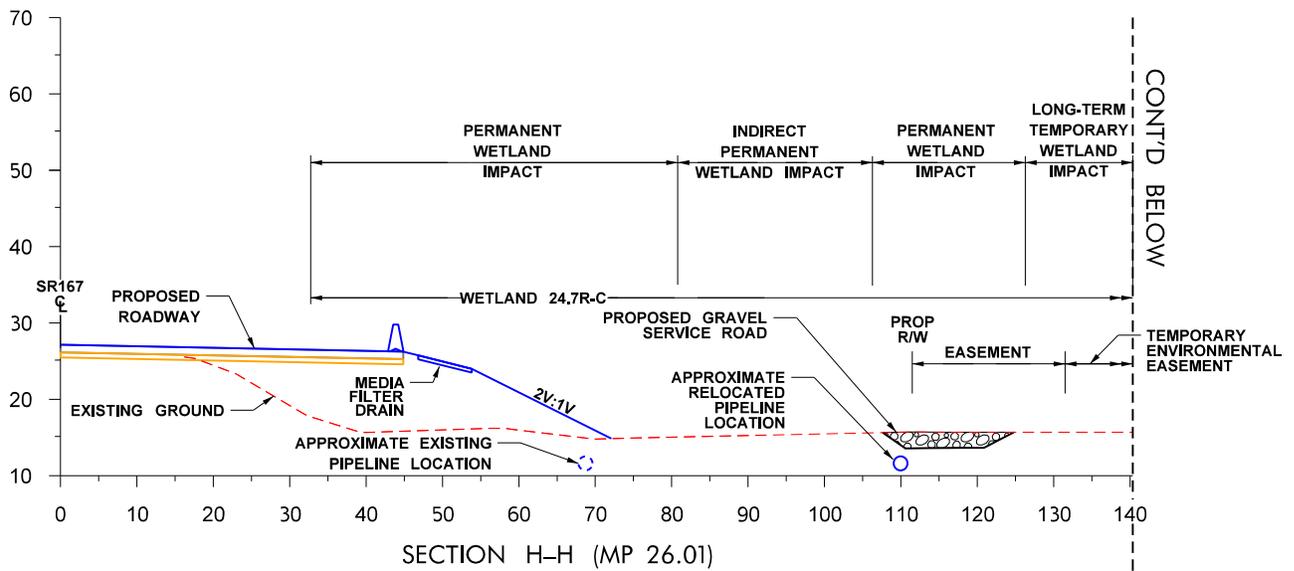
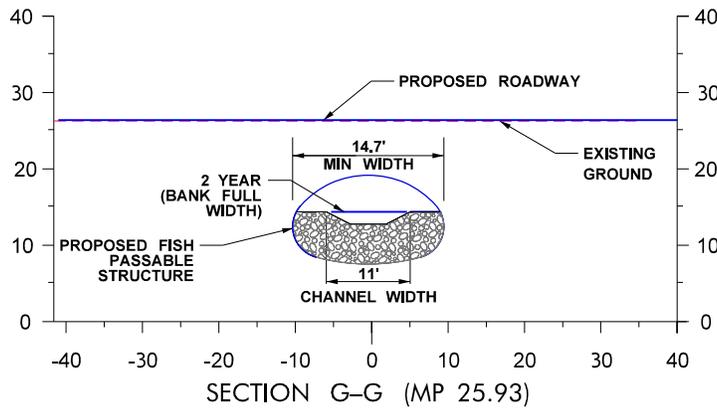
WETLAND 24.7R-C (CAT II)	SQ. FT.	ACRES
WETLAND AREA	301,960	6.93
PERM. WETLAND IMPACT	76,590	1.76
LONG-TERM TEMP. WETLAND IMPACT	13,150	0.30
PERM. WETLAND BUFFER IMPACT	16,480	0.38
TEMP. WETLAND BUFFER IMPACT	1,900	0.04
PERM. CONVERSION IMPACT	52,100	1.20
INDIRECT PERMANENT WETLAND IMPACT	120,025	2.76

ROLLING HILLS CREEK (09.SC-2.8)	SQ. FT.	ACRES
PERM. STREAM IMPACT	2,420	0.06



PROJECT: I-405/SR167 INTERCHANGE DIRECT CONNECTOR	REFERENCE: NWS-2014-29
PURPOSE: ROADWAY IMPROVEMENTS	APPLICANT: WSDOT
PROPOSED: 7.0 ACRES OF IMPACTS TO WETLANDS AND OTHER WATER	COUNTY: KING
LOCATION: I-405/SR167 INTERCHANGE, RENTON, WA	NEAR: RENTON
SR 167 MP 24.80 TO MP 26.26, I-405 MP 2.32 TO MP 3.96	WATER BODY: ROLLING HILLS CREEK & WETLANDS
DATUM: HORIZONTAL: NAD 83 / 91. VERTICAL: NAVD 88	DATE: 06/04/2015
ADJACENT PROPERTY OWNERS: SEE ATTACHMENT C	


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 SHEET: 11 OF: 18



- NOTES:**
 1. ALL DIMENSIONS ARE IN FEET.
 2. CROSS SECTION SCALES ARE DRAWN AT 1H:1V.

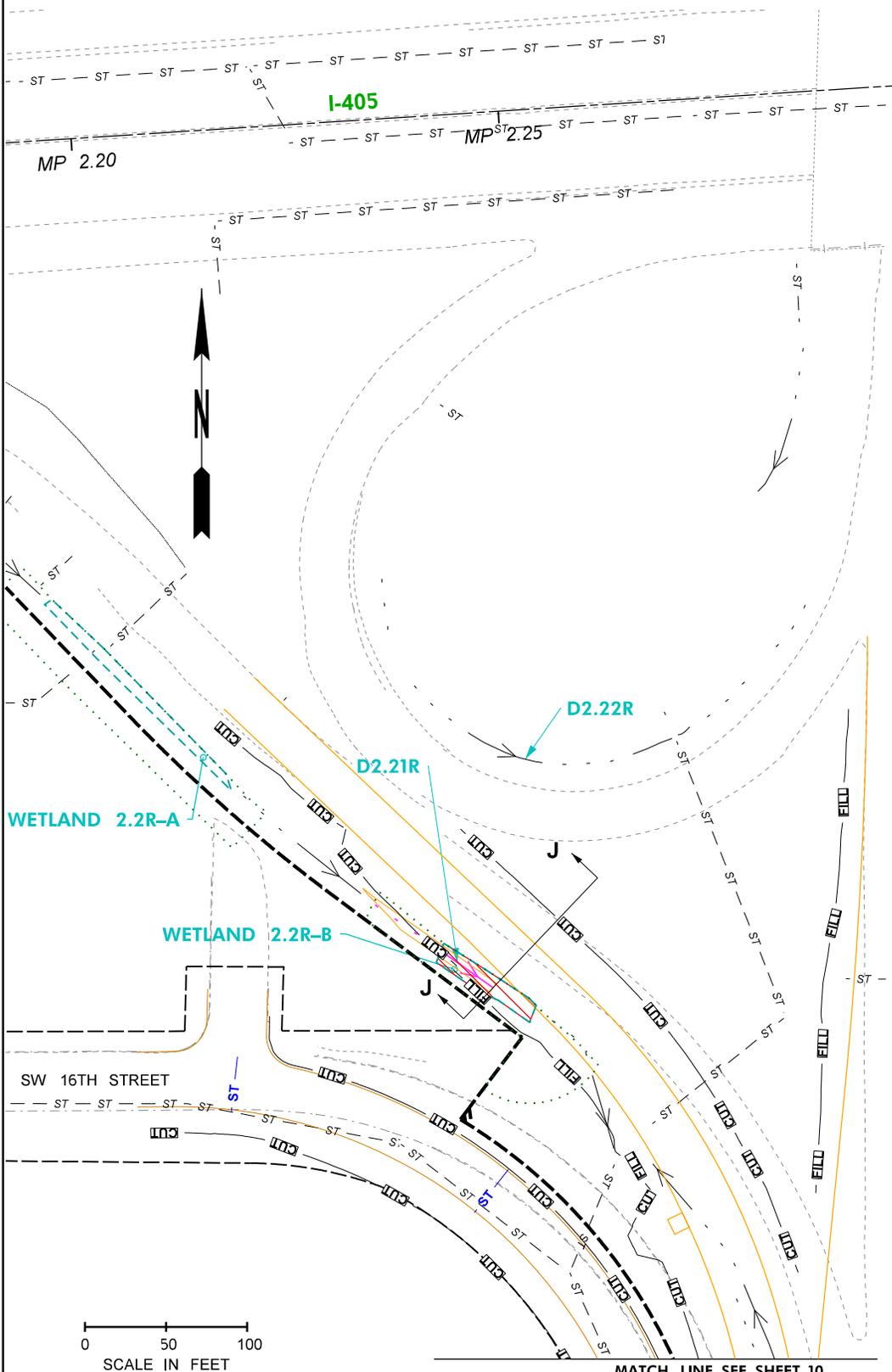
PROJECT: I-405/SR167 INTERCHANGE DIRECT CONNECTOR	REFERENCE: NWS-2014-29
PURPOSE: ROADWAY IMPROVEMENTS	APPLICANT: WSDOT
PROPOSED: 7.0 ACRES OF IMPACTS TO WETLANDS AND OTHER WATER	COUNTY: KING
LOCATION: I-405/SR167 INTERCHANGE, RENTON, WA	NEAR: RENTON
SR 167 MP 24.80 TO MP 26.26, I-405 MP 2.32 TO MP 3.96	WATER BODY: ROLLING HILLS CREEK & WETLANDS
DATUM: HORIZONTAL: NAD 83 /91. VERTICAL: NAVD 88	DATE: 06/04/2015
ADJACENT PROPERTY OWNERS: SEE ATTACHMENT C	



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T. 23N. R. 5E. W.M.



LEGEND

- |— ROADWAY CENTERLINE
- OHWL — ORDINARY HIGH WATER LINE
- WETLAND BOUNDARY
- WETLAND
- WETLAND BUFFER
- PROPOSED STREAM CENTER LINE
- EXISTING STREAM CENTER LINE
- STREAM BUFFER
- CUT CUT LINE
- FILL FILL LINE
- EXISTING DRAINAGE CULVERT
- PROPOSED DRAINAGE CULVERT
- EXISTING DITCH
- PROPOSED DITCH
- PERMANENT JURISDICTIONAL DITCH IMPACT
- RIGHT OF WAY
- EXISTING EDGE OF PAVEMENT
- PROPOSED EDGE OF PAVEMENT
- ST --- EXISTING STORM DRAIN
- ST --- PROPOSED STORM DRAIN
- ▲ PROPOSED WALL
- ▨ PERMANENT WETLAND IMPACT
- ▨ LONG-TERM TEMPORARY WETLAND IMPACT
- ▨ PERMANENT WETLAND BUFFER IMPACT
- ▨ TEMPORARY WETLAND BUFFER IMPACT
- ▨ PERMANENT CONVERSION IMPACT
- ▨ PERMANENT STREAM IMPACT
- ▨ TEMPORARY STREAM IMPACT
- ▨ INDIRECT PERMANENT WETLAND IMPACT

WETLAND/ DITCH IMPACTS

WETLAND 2.2R-B (CAT IV)	SQ. FT.	ACRES
WETLAND AREA	856	0.02
PERM. WETLAND IMPACT	856	0.02

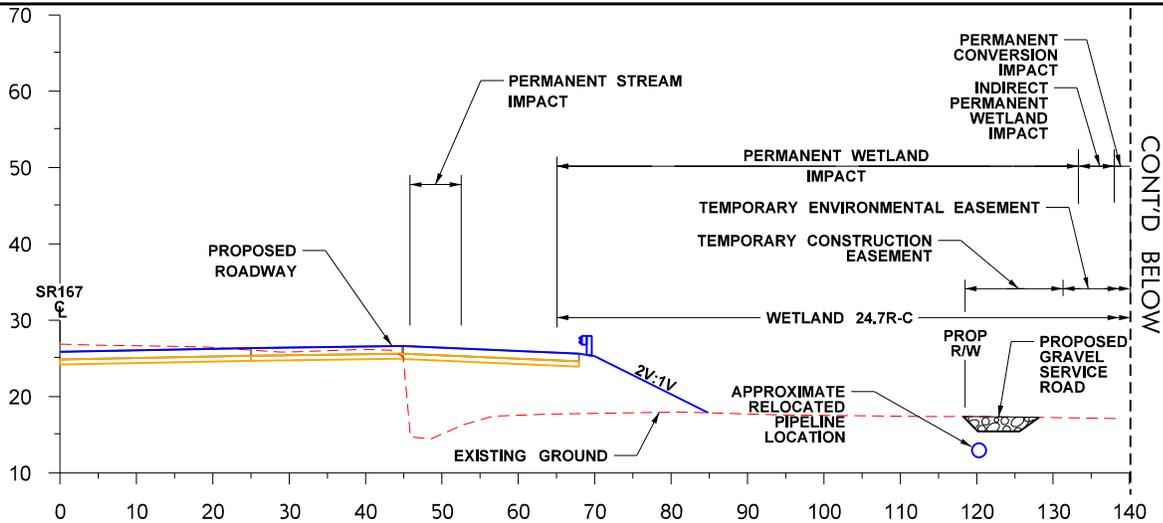
D2.21R (7FT AVG. WIDTH)	SQ. FT.	ACRES
JURISD. DITCH IMPACT	572	<0.01

PROJECT: I-405/SR167 INTERCHANGE DIRECT CONNECTOR	REFERENCE: NWS-2014-29
PURPOSE: ROADWAY IMPROVEMENTS	APPLICANT: WSDOT
PROPOSED: 7.0 ACRES OF IMPACTS TO WETLANDS AND OTHER WATER	COUNTY: KING
LOCATION: I-405/SR167 INTERCHANGE, RENTON, WA	NEAR: RENTON
SR 167 MP 24.80 TO MP 26.26, I-405 MP 2.32 TO MP 3.96	WATER BODY: ROLLING HILLS CREEK & WETLANDS
DATUM: HORIZONTAL: NAD 83 /91. VERTICAL: NAVD 88	DATE: 06/04/2015
ADJACENT PROPERTY OWNERS: SEE ATTACHMENT C	

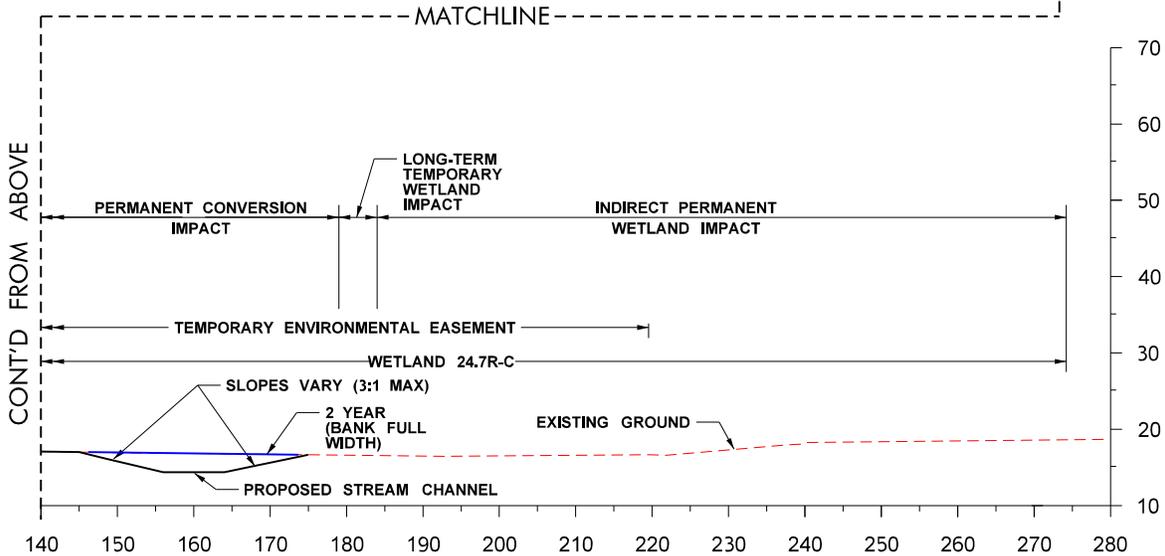


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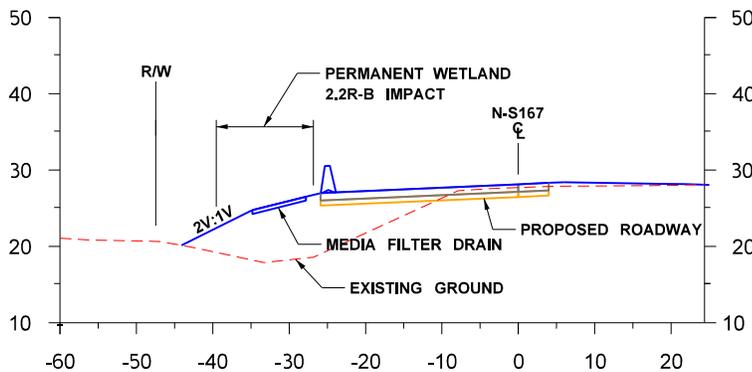
SHEET: 13 OF: 18



SECTION I-I (MP 26.09)



SECTION I-I (MP 26.09)- cont'd



SECTION J-J (MP 26.17)

NOTES:

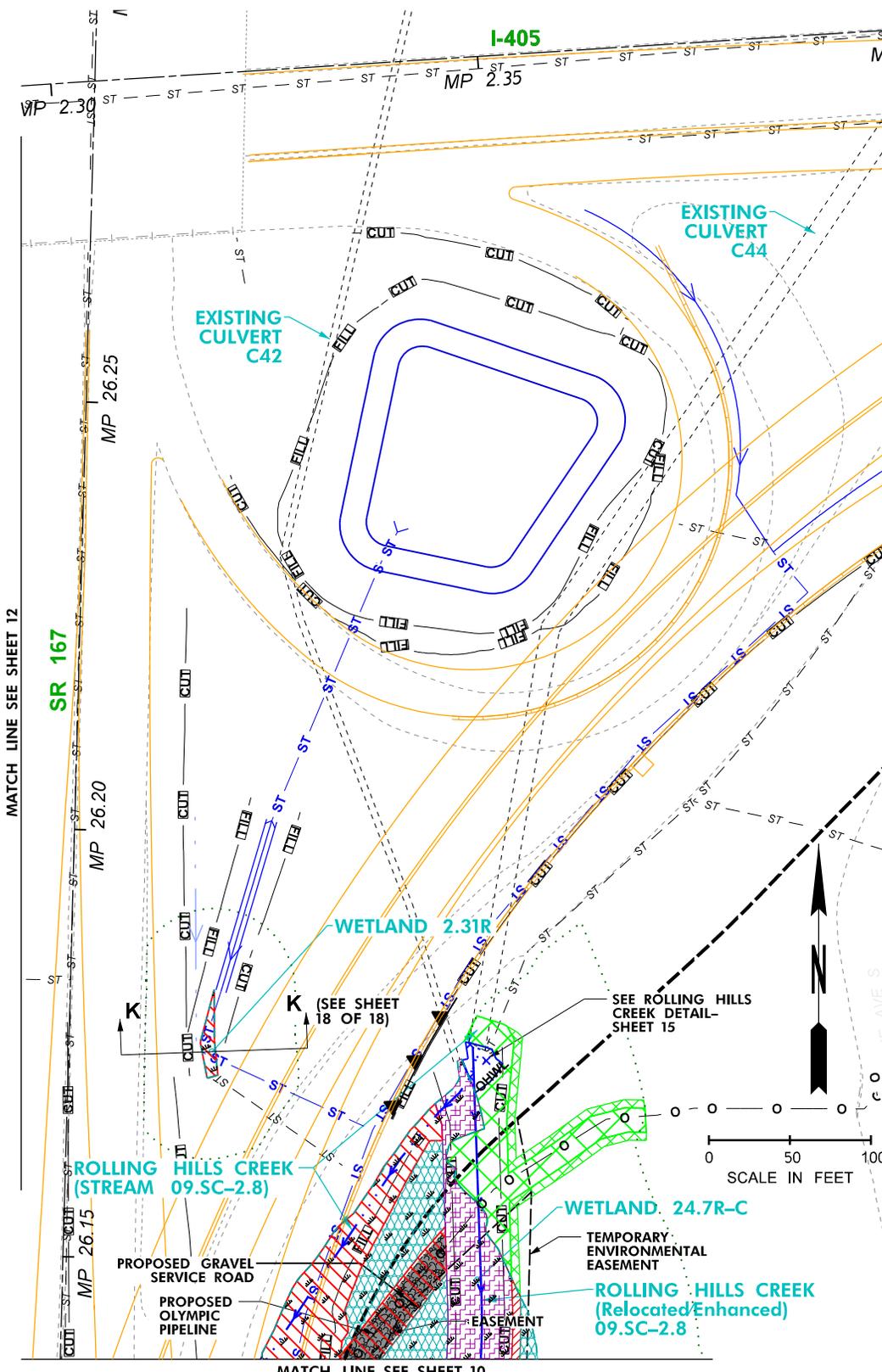
1. ALL DIMENSIONS ARE IN FEET.
2. CROSS SECTION SCALES ARE DRAWN AT 1H:1V.

PROJECT: I-405/SR167 INTERCHANGE DIRECT CONNECTOR	REFERENCE: NWS-2014-29
PURPOSE: ROADWAY IMPROVEMENTS	APPLICANT: WSDOT
PROPOSED: 7.0 ACRES OF IMPACTS TO WETLANDS AND OTHER WATER	COUNTY: KING
LOCATION: I-405/SR167 INTERCHANGE, RENTON, WA	NEAR: RENTON
SR 167 MP 24.80 TO MP 26.26, I-405 MP 2.32 TO MP 3.96	WATER BODY: ROLLING HILLS CREEK & WETLANDS
DATUM: HORIZONTAL: NAD 83 /91. VERTICAL: NAVD 88	DATE: 06/04/2015
ADJACENT PROPERTY OWNERS: SEE ATTACHMENT C	



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T. 23N. R. 5E. W.M.



LEGEND

- ROADWAY CENTERLINE
- OHWL
- ORDINARY HIGH WATER LINE
- WETLAND BOUNDARY
- WETLAND
- WETLAND BUFFER
- PROPOSED STREAM CENTER LINE
- EXISTING STREAM CENTER LINE
- STREAM BUFFER
- CUT
- FILL
- CUT LINE
- FILL LINE
- EXISTING DRAINAGE CULVERT
- PROPOSED DRAINAGE CULVERT
- EXISTING DITCH
- PROPOSED DITCH
- PERMANENT JURISDICTIONAL DITCH IMPACT
- RIGHT OF WAY
- EXISTING EDGE OF PAVEMENT
- PROPOSED EDGE OF PAVEMENT
- EXISTING STORM DRAIN
- PROPOSED STORM DRAIN
- PROPOSED WALL
- PERMANENT WETLAND IMPACT
- LONG-TERM TEMPORARY WETLAND IMPACT
- PERMANENT WETLAND BUFFER IMPACT
- TEMPORARY WETLAND BUFFER IMPACT
- PERMANENT CONVERSION IMPACT
- PERMANENT STREAM IMPACT
- TEMPORARY STREAM IMPACT
- INDIRECT PERMANENT WETLAND IMPACT
- PROPOSED DETENTION POND
- GRAVEL SERVICE ROAD

WETLAND/ STREAM IMPACTS

WETLAND 2.31R (CAT III)	SQ. FT.	ACRES
WETLAND AREA	309	<0.01
PERM. WETLAND IMPACT	309	<0.01

WETLAND 24.7R-C (CAT II)	SQ. FT.	ACRES
WETLAND AREA	301,960	6.93

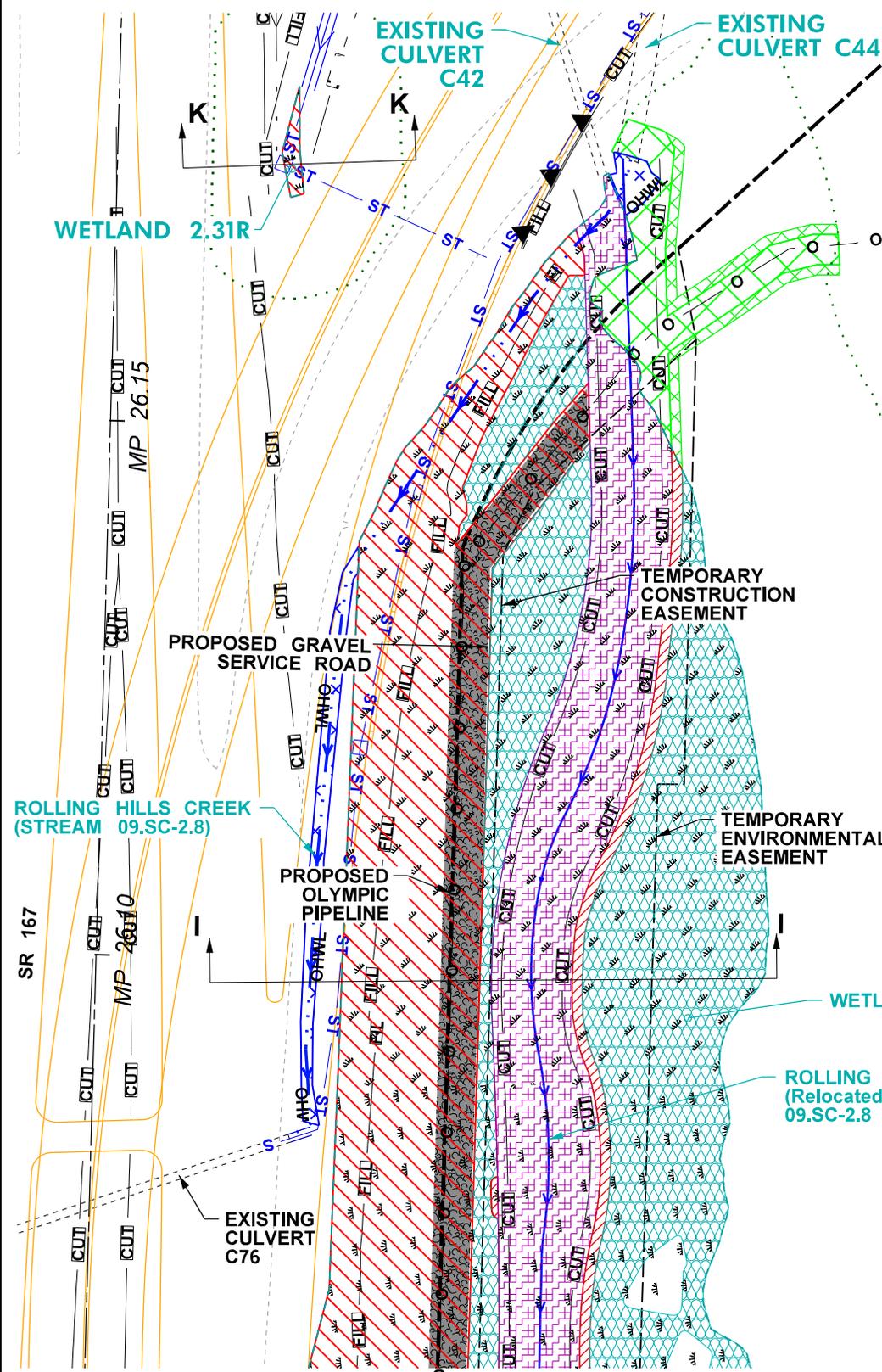
See Sheet 11 of 18 for impacts

PROJECT: I-405/SR167 INTERCHANGE DIRECT CONNECTOR	REFERENCE: NWS-2014-29
PURPOSE: ROADWAY IMPROVEMENTS	APPLICANT: WSDOT
PROPOSED: 7.0 ACRES OF IMPACTS TO WETLANDS AND OTHER WATER	COUNTY: KING
LOCATION: I-405/SR167 INTERCHANGE, RENTON, WA	NEAR: RENTON
SR 167 MP 24.80 TO MP 26.26, I-405 MP 2.32 TO MP 3.96	WATER BODY: ROLLING HILLS CREEK & WETLANDS
DATUM: HORIZONTAL: NAD 83 /91. VERTICAL: NAVD 88	DATE: 06/04/2015
ADJACENT PROPERTY OWNERS: SEE ATTACHMENT C	

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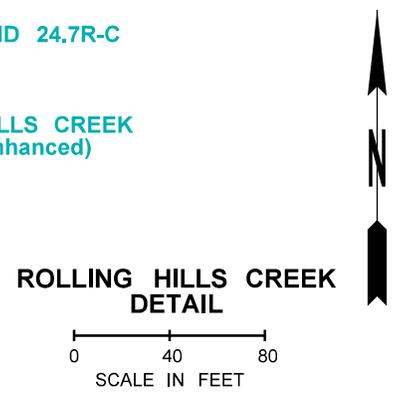
SHEET: 15 OF: 18

T. 23N. R. 5E. W.M.



LEGEND

- ROADWAY CENTERLINE
- OHWL — ORDINARY HIGH WATER LINE
- - - WETLAND BOUNDARY
- WETLAND
- WETLAND BUFFER
- PROPOSED STREAM CENTER LINE
- EXISTING STREAM CENTER LINE
- STREAM BUFFER
- CUT — CUT LINE
- FILL — FILL LINE
- - - EXISTING DRAINAGE CULVERT
- - - PROPOSED DRAINAGE CULVERT
- - - EXISTING DITCH
- PROPOSED DITCH
- PERMANENT JURISDICTIONAL DITCH IMPACT
- - - RIGHT OF WAY
- - - EXISTING EDGE OF PAVEMENT
- PROPOSED EDGE OF PAVEMENT
- ST - ST - EXISTING STORM DRAIN
- ST - ST - PROPOSED STORM DRAIN
- ▲ PROPOSED WALL
- ▨ PERMANENT WETLAND IMPACT
- ▨ LONG-TERM TEMPORARY WETLAND IMPACT
- ▨ PERMANENT WETLAND BUFFER IMPACT
- ▨ TEMPORARY WETLAND BUFFER IMPACT
- ▨ PERMANENT CONVERSION IMPACT
- ▨ PERMANENT STREAM IMPACT
- ▨ TEMPORARY STREAM IMPACT
- ▨ INDIRECT PERMANENT WETLAND IMPACT
- ▨ GRAVEL SERVICE ROAD

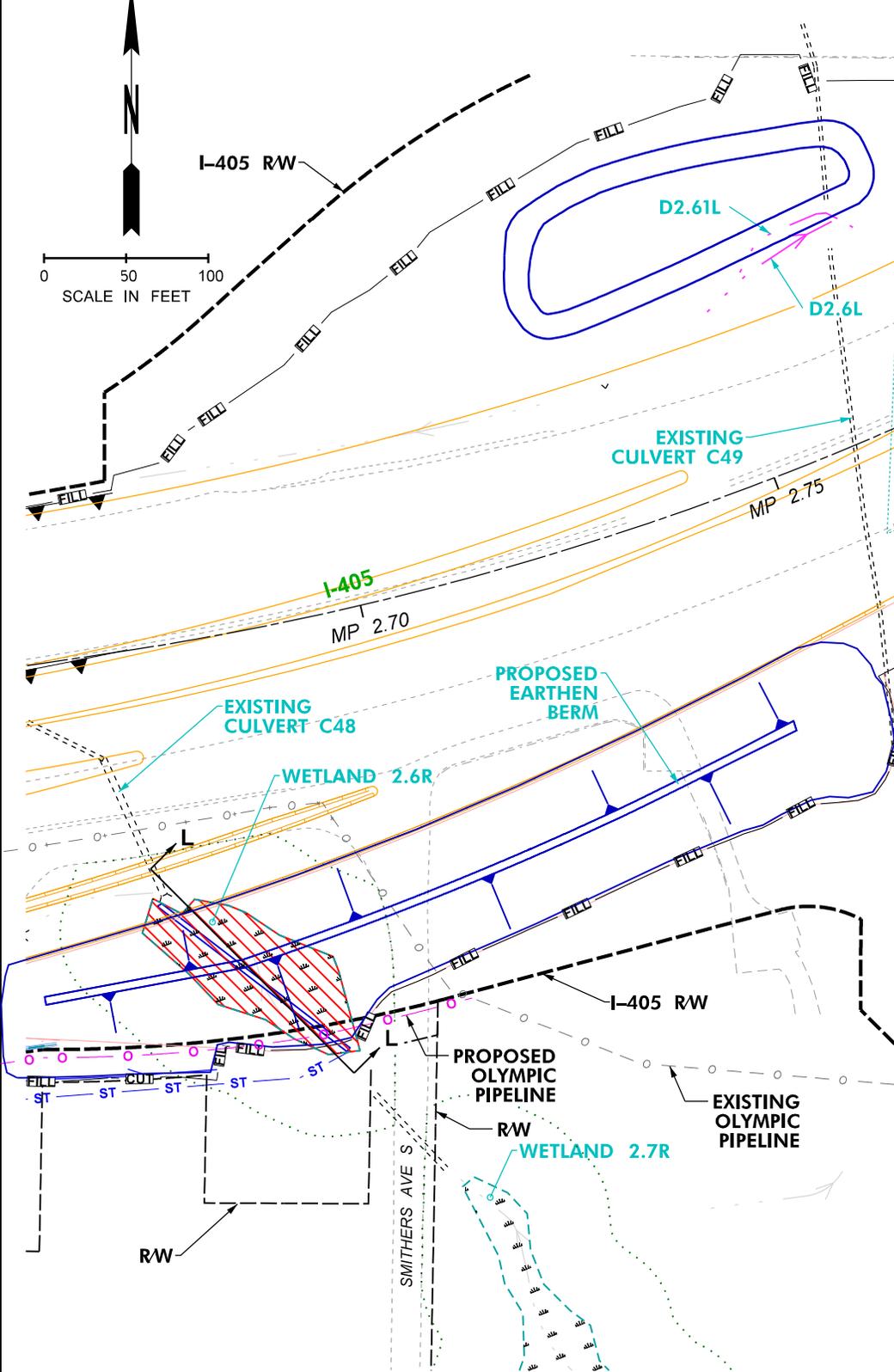
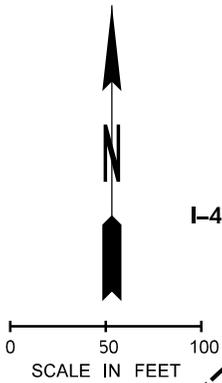


PROJECT: I-405/SR167 INTERCHANGE DIRECT CONNECTOR	REFERENCE: NWS-2014-29
PURPOSE: ROADWAY IMPROVEMENTS	APPLICANT: WSDOT
PROPOSED: 7.0 ACRES OF IMPACTS TO WETLANDS AND OTHER WATER	COUNTY: KING
LOCATION: I-405/SR167 INTERCHANGE, RENTON, WA	NEAR: RENTON
SR 167 MP 24.80 TO MP 26.26, I-405 MP 2.32 TO MP 3.96	WATER BODY: ROLLING HILLS CREEK & WETLANDS
DATUM: HORIZONTAL: NAD 83 / 91. VERTICAL: NAVD 88	DATE: 06/04/2015
ADJACENT PROPERTY OWNERS: SEE ATTACHMENT C	

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LEGEND

- ROADWAY CENTERLINE
- OHWL
- ORDINARY HIGH WATER LINE
- WETLAND BOUNDARY
- WETLAND
- WETLAND BUFFER
- PROPOSED STREAM CENTER LINE
- EXISTING STREAM CENTER LINE
- STREAM BUFFER
- CUT LINE
- FILL LINE
- EXISTING DRAINAGE CULVERT
- PROPOSED DRAINAGE CULVERT
- EXISTING DITCH
- PROPOSED DITCH
- PERMANENT JURISDICTIONAL DITCH IMPACT
- RIGHT OF WAY
- EXISTING EDGE OF PAVEMENT
- PROPOSED EDGE OF PAVEMENT
- EXISTING STORM DRAIN
- PROPOSED STORM DRAIN
- PROPOSED WALL
- PERMANENT WETLAND IMPACT
- LONG-TERM TEMPORARY WETLAND IMPACT
- PERMANENT WETLAND BUFFER IMPACT
- TEMPORARY WETLAND BUFFER IMPACT
- PERMANENT CONVERSION IMPACT
- PERMANENT STREAM IMPACT
- TEMPORARY STREAM IMPACT
- INDIRECT PERMANENT WETLAND IMPACT
- PROPOSED DETENTION POND
- PROPOSED EARTHEN BERM

WETLAND/ DITCH IMPACTS

WETLAND 2.6R (CAT III)	SQ. FT.	ACRES
WETLAND AREA	6,424	0.15
PERM. WETLAND IMPACT	6,424	0.15

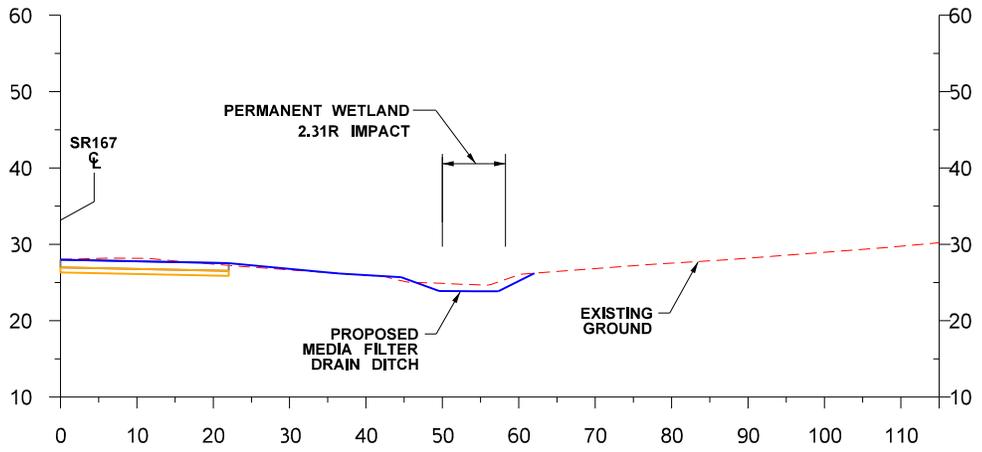
D2.6L (8 FT WIDTH)	SQ. FT.	ACRES
JURISD. DITCH IMPACT	1,016	0.02

D2.61L (1 FT WIDTH)	SQ. FT.	ACRES
JURISD. DITCH IMPACT	88	<0.01

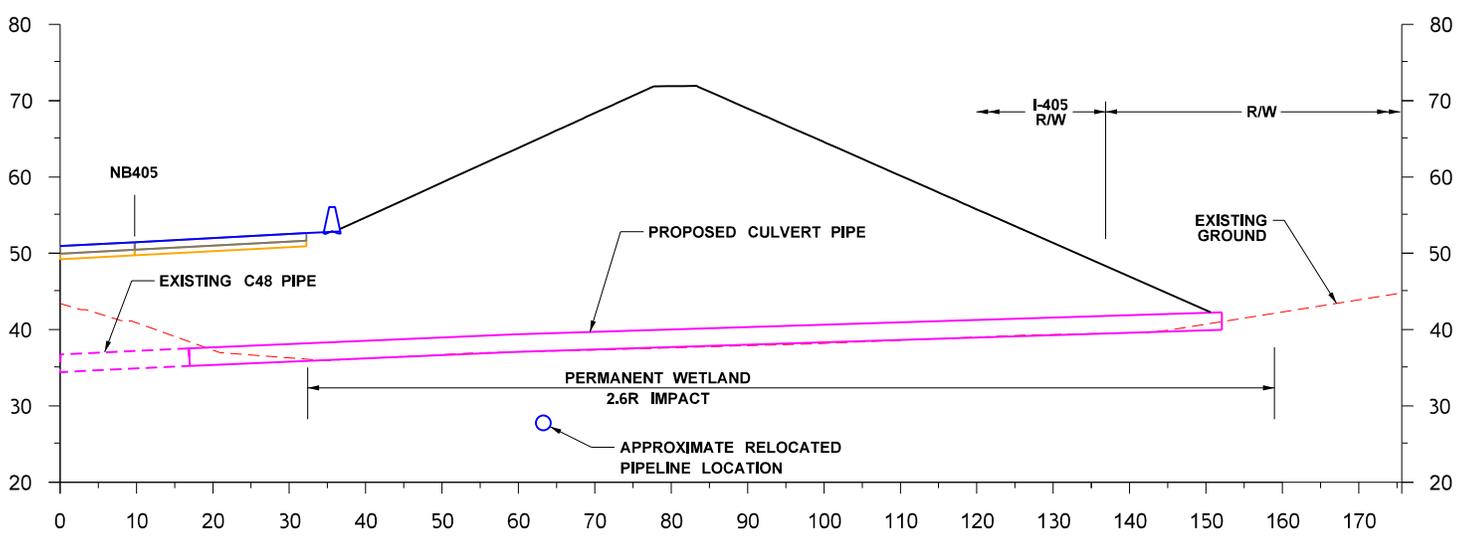
PROJECT: I-405/SR167 INTERCHANGE DIRECT CONNECTOR	REFERENCE: NWS-2014-29
PURPOSE: ROADWAY IMPROVEMENTS	APPLICANT: WSDOT
PROPOSED: 7.0 ACRES OF IMPACTS TO WETLANDS AND OTHER WATER	COUNTY: KING
LOCATION: I-405/SR167 INTERCHANGE, RENTON, WA	NEAR: RENTON
SR 167 MP 24.80 TO MP 26.26, I-405 MP 2.32 TO MP 3.96	WATER BODY: ROLLING HILLS CREEK & WETLANDS
DATUM: HORIZONTAL: NAD 83 /91. VERTICAL: NAVD 88	DATE: 06/04/2015
ADJACENT PROPERTY OWNERS: SEE ATTACHMENT C	



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SECTION K-K (MP 26.17)



SECTION L-L (MP 2.67)

- NOTES:**
1. ALL DIMENSIONS ARE IN FEET.
 2. CROSS SECTION SCALES ARE DRAWN AT 1H:1V.

PROJECT: I-405/SR167 INTERCHANGE DIRECT CONNECTOR	REFERENCE: NWS-2014-29
PURPOSE: ROADWAY IMPROVEMENTS	APPLICANT: WSDOT
PROPOSED: 7.0 ACRES OF IMPACTS TO WETLANDS AND OTHER WATER	COUNTY: KING
LOCATION: I-405/SR167 INTERCHANGE, RENTON, WA	NEAR: RENTON
SR 167 MP 24.80 TO MP 26.26, I-405 MP 2.32 TO MP 3.96	WATER BODY: ROLLING HILLS CREEK & WETLANDS
DATUM: HORIZONTAL: NAD 83 /91. VERTICAL: NAVD 88	DATE: 06/04/2015
ADJACENT PROPERTY OWNERS: SEE ATTACHMENT C	



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