

January 30, 2026

Letter No. 338
BY-CRE-04590

Evelyn Pao, P.E., Project Director
Washington State Department of Transportation
I-405/SR 167 Program
18911 N Creek Pkwy S, Suite 150
Bothell, WA 98011

Project: I-405/Brickyard to SR 527 – Improvement Project
Contract No.: 009727

Subject: Response to WSDOT SL 9727-218 – SKA-0219 - New Wetland - North Fork Perry Creek (West)

Reference:

1. Skanska Letter No. 205, Notice of Newly Discovered Wetland – N. Fork Perry Creek, West Side (06/27/2025)
2. WSDOT SL No. 9727-128, RE: Newly Discovered Wetland – N. Fork Perry Creek, West Side (07/22/2025)
3. WSDOT SL No. 9727-218, RE: Skanska SL 175 – Notice of Newly Discovered Wetland – Closed (12/12/2025)
4. Proposed North Fork Perry Creek and Queensborough Creek Locations JARPA Update, Summary of Changes (10/17/2025)
5. Army Corps of Engineers, Correspondence NWS-2020-235-DOT (01/09/2025)

Dear Ms. Pao:

Skanska is in receipt of WSDOT Serial Letter No. 9727-218, dated December 12, 2025, wherein WSDOT states it considers the matter of the newly discovered wetland at North Fork Perry Creek (West) to be closed. Skanska respectfully disagrees and does not consider this matter closed.

1. Skanska's Timely Cooperation with Permit Modification Process

At the time WSDOT issued SL 9727-128 (Reference 2), Skanska was unable to provide detailed cost and time impact information due to the nature of the permit modification process: surveying wetland boundaries, coordinating with regulatory agencies, and finalizing construction approaches to accommodate the newly discovered wetland boundaries. Skanska fully cooperated in a timely manner to provide all necessary information for WSDOT to apply for the Section 404 permit modification from the Army Corps of Engineers (ACE).

The modified permit for North Fork Perry Creek has now been received. Additionally, WSDOT has recognized that the ACE requires restoration plans and Washington State Department of Ecology (Ecology) mitigation updates. See attached correspondence for reference.

2. Identified Cost Impacts

Skanska can now definitively identify the following categories of impacts associated with the discovery of the newly discovered wetland:

Administrative Costs (Accrued and Ongoing): Costs incurred for wetland delineation, SAVL addendum preparation, JARPA updates, Environmental Task Force coordination, and permit modification support.

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Future Design Costs: Restoration plans required by ACE and Ecology mitigation updates.

Construction Impact Costs: The allowable staging area for both the fish passage service crane and girder setting crane has decreased due to the wetland boundary. This results in modified crane setups and associated cost impacts.

The currently known costs associated with administrative efforts and construction-related impacts are approximately: **\$230,919.07**

Please see attached cost breakdown.

3. Schedule Considerations

At this time, Skanska is not asserting that the newly discovered wetland impacts the project's critical path. Should this change, Skanska will immediately notify WSDOT.

4. Requested Action

Given the above, Skanska respectfully requests that WSDOT:

- Reopen this matter, at minimum to address the administrative costs associated with the permit modification process and the unforeseen construction impacts resulting in modified crane setups; and
- Proceed with an Owner Initiated Change (OIC) to incorporate the updated permits into the Contract and provide equitable adjustment for all associated administrative costs, design costs, and crane-related construction impacts.

5. Reservation of Rights

Skanska reserves all rights under the Contract and applicable law, including the right to pursue additional compensation, schedule relief, and dispute resolution up to and including the Dispute Review Board (DRB).

Nothing in this correspondence shall be interpreted as acceptance of WSDOT's position in SL 9727-218 or as a waiver of any rights previously asserted. This letter is without prejudice to, and with full reservation of, Skanska's rights, remedies, causes of action, and defenses under the Contract, at law, in equity, or otherwise.

We appreciate your consideration and remain available to discuss this matter with your team.

Regards,

Regards,



Patrick Prendergast, Vice President

Skanska USA Civil
18911 N Creek Parkway S, Suite 300
Bothell, WA 98011

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Attachments:

1. Email correspondence regarding ACE restoration plans and Ecology mitigation
2. Cost Summary To-Date

Scata, Eric

From: Mika Miyamoto <Mika.Miyamoto@oneatlas.com>
Sent: Monday, January 12, 2026 5:24 PM
To: Zoodsma, Adrian; Gaffney, Erin
Cc: Lucarelli, Zachary; Prescott, Ryan; Turner, Scott
Subject: FW: [EXTERNAL] WSDOT, I-405, BY/527 Project - permit modification verification letter Mod 3: NWS-2020-235-DOT (Ecology #138548)
Attachments: 20260109-Mod3-SIPIssueLtr-I405-522-527.pdf; SR522_SR527_JARPA Update_10172025_FINAL.pdf

Hi All,

See attached modification to our Section 404 Permit. We are now approved to impact sensitive areas and expand our CG limits as shown on our JARPA figure for areas of Seg03.

Please pass along to anyone else who I may have missed.

Mika

From: Toney, Alicia (Consultant) <Alicia.Toney@consultant.wsdot.wa.gov>
Sent: Monday, January 12, 2026 3:24 PM
To: Mika Miyamoto <Mika.Miyamoto@oneatlas.com>
Cc: Kane, Betty (Consultant) <Betty.Kane@consultant.wsdot.wa.gov>; Schoettler, David (Consultant) <david.schoettler@consultant.wsdot.wa.gov>
Subject: FW: [EXTERNAL] WSDOT, I-405, BY/527 Project - permit modification verification letter Mod 3: NWS-2020-235-DOT (Ecology #138548)

FYI – we still owe the Corps restoration plans and Ecology the mitigation updates.

We will get this sent through doc control as well.

From: Manning, Sandra L CIV (USA) <Sandra.L.Manning@usace.army.mil>
Sent: Monday, January 12, 2026 3:16 PM
To: Toney, Alicia (Consultant) <Alicia.Toney@consultant.wsdot.wa.gov>; Kelley, Penny (ECY) <PKEL461@ECY.WA.GOV>; ECY RE FED PERMITS (SEA) <ecyrefedpermits@ecy.wa.gov>
Cc: Kane, Betty (Consultant) <Betty.Kane@consultant.wsdot.wa.gov>; Berriz, Sonia (Consultant) <Sonia.Berriz@consultant.wsdot.wa.gov>; Schoettler, David (Consultant) <david.schoettler@consultant.wsdot.wa.gov>; Flowers, Cori <cori.flowers@wsdot.wa.gov>; Manning, Sandra <Sandra.L.Manning@usace.army.mil>
Subject: [EXTERNAL] WSDOT, I-405, BY/527 Project - permit modification verification letter Mod 3: NWS-2020-235-DOT (Ecology #138548)

WARNING: This email originated from outside of WSDOT. Please use caution with links and attachments.

Attached please find your modification to the permit. Let me know if you have any questions.

Sincerely,

Sandra Manning

This message and any attachments are intended only for the use of the addressee and may contain information that is privileged and/or confidential. If the reader of the message is not the intended recipient or an authorized representative of the intended recipient, you are hereby notified that any use and/or dissemination of any of this communication is strictly prohibited. If you have received this communication in error, notify the sender immediately by return email and delete the message and any attachments from your system.



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, SEATTLE DISTRICT
4735 EAST MARGINAL WAY SOUTH, BLDG 1202
SEATTLE, WA 98134-2388

January 9, 2026

Regulatory Division

Ms. Lisa Hodgson
Washington State Department of Transportation
600 108th Avenue Northeast, Suite 405
Bellevue, Washington 98004

Reference: NWS-2020-235-DOT
WA St Dept of Transportation
(I-405 SR 522 to SR 527
Express Toll Lanes;
Modification #3)

Dear Ms. Hodgson:

We have received your request to modify the approved plans for the above-referenced Department of the Army (DA) permit. The original plans dated November 5, 2020, were to complete work on I-405 between SR 522 and SR 527 near the Cities of Bothell, Kirkland and Woodinville in Snohomish and King County, Washington. The work would occur over a 5.27-mile section of I-405. Work would include fill in wetlands and several streams, including North and South Fork Perry Creeks, Unnamed Tributary to Queensborough Creek, and Queensborough Creek, which are the subject of this modification. The modification consists of an additional 61 square feet of impacts to streams and changes from some temporary stream impacts to now be included as permanent, and wetland impact changes which include a change in permanent wetland impact of 0.07 acre which would now be converted to temporary impacts as restoration would occur in these areas after construction. There is a new permanent wetland impact of 0.13 acre for wetland to stream conversion, and a new increase of 0.06 acre of temporary impacts (note, new 0.06 acre and old 0.07 acre described above, that was permanent and now temporary). Your request for a permit modification is approved. Enclosed are the approved modified plans dated October 2025, which supersede plans authorized by the Secretary of the Army on November 29, 2021. Your permit authorization is valid through November 29, 2031.

Please be reminded that any changes to compensatory mitigation as a result of the wetland changes shall meet Special Condition "I" of your permit.

I. You shall implement and abide by the *Impact Area and Mitigation Update: I-405, SR 522 Vicinity to SR 527 Express Toll Lanes Improvement Project, and Brickyard Inline*

Transit Station Project dated October 8, 2024, in its entirety. Any changes to the mitigation report shall be coordinated with the Corps for review and approval.

All other terms and conditions contained in the original permit remain in effect. If you have any questions, please contact Ms. Sandra Manning at Sandra.L.Manning@usace.army.mil or at (360) 869-1488.

BY AUTHORITY OF THE SECRETARY OF THE ARMY:



for Kathryn P. Sanborn, PhD, PE, PMP
Colonel, Corps of Engineers
District Commander

Enclosure-Plan Sheets

CC: Ecology-Penny Kelly; ecyrefedpermits@ecy.wa.gov



COVER SHEET
 PROPOSED NORTH FORK PERRY CREEK
 AND QUEENSBOROUGH CREEK LOCATIONS JARPA UPDATE
 SUMMARY OF CHANGES

10/17/2025
 Version 1

Purpose: The following is a JARPA drawing update. This includes **NEW LINEWORK** from our latest designs, an **EXPANDED DELINEATION** to the existing 26.55L Wetland, and updates all of the impact areas from the new line work. The summary tables below show the changes that are contained in the drawing set that follows this cover sheet.

Table 1 - Impact summary for Wetland 26.55L, WEST SIDE OF I-405

RESOURCE	CATEGORY	OCT 2024 (SF)	OCT 2024 (ACRE)	NEW UPDATE (SF)	NEW UPDATE (ACRE)	CHANGE (SF)	CHANGE (ACRES)	REASON FOR CHANGE
WETLAND 26.55L	WETLAND AREA	8,911	0.20	18,658	0.428	9,747	0.22	The wetland was redelineated and the new boundary appears to expand further upstream than originally understood, much of it being approximated beyond the project. Within the C/G line the wetland area is 11,275 square feet.
	PERM WETLAND IMPACT	2,097	0.05	1,787	0.041	(310)	(0.01)	Design changes. A portion of Wetland 26.55L, south of North Fork Perry Creek, to be filled to allow positive drainage back to the creek. Overall permanent wetland impact decreased. Much of the permanent wetland impact from the original JARPA was converted to temporary as we believe that wetland will re-establish in those locations.
	TEMP WETLAND IMPACT	683	0.02	5,706	0.131	5,023	0.12	Access required for permanent illumination and stream construction. Substantial increase in area is due to the extension of the work area to the west and south and change from permanent impact to temporary impact.
	WETLAND TO STREAM	614	0.01	1,878	0.043	1,264	0.03	Modeling of the proposed OHWM resulted in larger stream area into the existing wetland and conversion of wetland to stream.
COMBINED BUFFER	PERM BUFFER IMPACT	-	0.00	4,450	0.102	4,450	0.10	Extension of C/G line and design changes relative to stormwater treatment facilities resulted in expansion of temporary and permanent wetland buffer impacts. Portion of stream within culvert is considered permanent buffer impact rather than buffer to stream conversion.
	TEMP BUFFER IMPACT	6,345	0.15	18,041	0.414	11,696	0.27	
	BUFFER TO STREAM	670	0.02	777	0.018	107	0.00	Nominal change due to adjusted geometry.



COVER SHEET

10/17/2025

**PROPOSED NORTH FORK PERRY CREEK
AND QUEENSBOROUGH CREEK LOCATIONS JARPA UPDATE
SUMMARY OF CHANGES**

Version 1

Table 2 - Impact summary for wetlands near North Fork Perry Creek and South Fork Perry Creek on the EAST SIDE OF I-405

RESOURCE	CATEGORY	OCT 2024 (SF)	OCT 2024 (ACRE)	NEW UPDATE (SF)	NEW UPDATE (ACRE)	CHANGE (SF)	CHANGE (ACRES)	REASON FOR CHANGE
WETLAND 26.35R	WETLAND AREA	135,907	3.12	135,907	3.12	(0)	(0)	No Change
	PERM WETLAND IMPACT	1,095	0.03	172	0.00	(923)	(0)	Nominal design changes including updated stream alignment which resulted in significant decrease in permanent wetland impacts at the same time conversion of wetland to stream increased. Also, inclusion of stormwater outfalls into wetland represents small amount of permanent wetland impact previously unaccounted.
	TEMP WETLAND IMPACT	1,268	0.03	1,496	0.03	228	0.01	
	WETLAND TO STREAM	585	0.10	3,130	0.07	2,545	0.06	
WETLAND 26.50R	WETLAND AREA	4,356	0.10	4,356	0.10	-	0.00	No Change
	PERM WETLAND IMPACT	4,572	0.10	4,572	0.10	-	0.00	No Change
	TEMP WETLAND IMPACT	-	0.00	-	0.00	-	0.00	No Change
	WETLAND TO STREAM	-	0.00	-	0.00	-	0.00	No Change
COMBINED BUFFER	PERM BUFFER IMPACT	11,957	0.27	8,948	0.21	(3,009)	(0.07)	Design advanced for stormwater detention pond and maintenance access road to be placed within wetland buffer along east side of I-405
	TEMP BUFFER IMPACT	3,516	0.08	16,449	0.38	12,933	0.30	Design advanced for Construction for Stormwater facilities and permanent stormwater maintenance access road.
	BUFFER TO STREAM	-	0.00	615	0.01	615	0.01	Design changes; Stream to emerge from box culvert in what was wetland buffer.



COVER SHEET
 PROPOSED NORTH FORK PERRY CREEK
 AND QUEENSBOROUGH CREEK LOCATIONS JARPA UPDATE
 SUMMARY OF CHANGES

10/17/2025
 Version 1

Table 3 - Impact summary for North Fork Perry Creek (Includes East and West Side)

RESOURCE	CATEGORY	OCT 2024 (SF)	OCT 2024 (ACRE)	NEW UPDATE (SF)	NEW UPDATE (ACRE)	CHANGE (SF)	CHANGE (ACRES)	REASON FOR CHANGE
NORTH FORK PERRY	PERM STREAM IMPACT	4,891	0.110	5,882	0.14	991	0.02	Extension of C/G line to the west and to the east resulted in extension of stream impacts.
	TEMP STREAM IMPACT	753	0.020	-	NA	(753)	-0.02	Extension of C/G line to the west and to the east resulted in area previously considered temporary stream impact to be considered permanent stream impact.

Table 4 - Impact summary for South Fork Perry Creek

RESOURCE	CATEGORY	OCT 2024 (SF)	OCT 2024 (ACRE)	NEW UPDATE (SF)	NEW UPDATE (ACRE)	CHANGE (SF)	CHANGE (ACRES)	REASON FOR CHANGE
SOUTH FORK PERRY	TEMP STREAM IMPACT	-	0.000	17	≥0.000	17	≥0.00	Minor area of temporary stream impact previously overlooked.

Table 5 - Impact summary for Queensborough Creek at SR 527 at I-405 on-ramp, UNT to Queensborough Creek at Canyon Park, and adjacent wetlands.

RESOURCE	CATEGORY	OCT 2024 (SF)	OCT 2024 (ACRE)	NEW UPDATE (SF)	NEW UPDATE (ACRE)	CHANGE (SF)	CHANGE (ACRES)	REASON FOR CHANGE
WETLAND 26.70R	WETLAND AREA	32,234	0.74	32,234	0.74	(0.4)	(0)	No Change
	PERM WETLAND IMPACT	6,378	0.15	5,839	0.13	539	0.01	Updated design for UNT to Queensborough Creek Outfall and Canyon Park-Park and Ride; updated design along Queensborough Creek near SR 527 .
	TEMP WETLAND IMPACT	1,911	0.04	1,818	0.04	(93)	0.00	Updated design for UNT to Queensborough Creek Outfall and Canyon Park-Park and Ride; updated design along Queensborough Creek near SR 527 .
	WETLAND TO STREAM	191	0.00	840	0.02	649	0.01	Updated design for proposed Right Bank OHWM downstream of SR 527 resulted in expanded stream into existing wetland.
WETLAND 26.77R	WETLAND AREA	1,307	0.03	1,307	0.03	0	0.00	No Change



COVER SHEET
 PROPOSED NORTH FORK PERRY CREEK
 AND QUEENSBOROUGH CREEK LOCATIONS JARPA UPDATE
 SUMMARY OF CHANGES

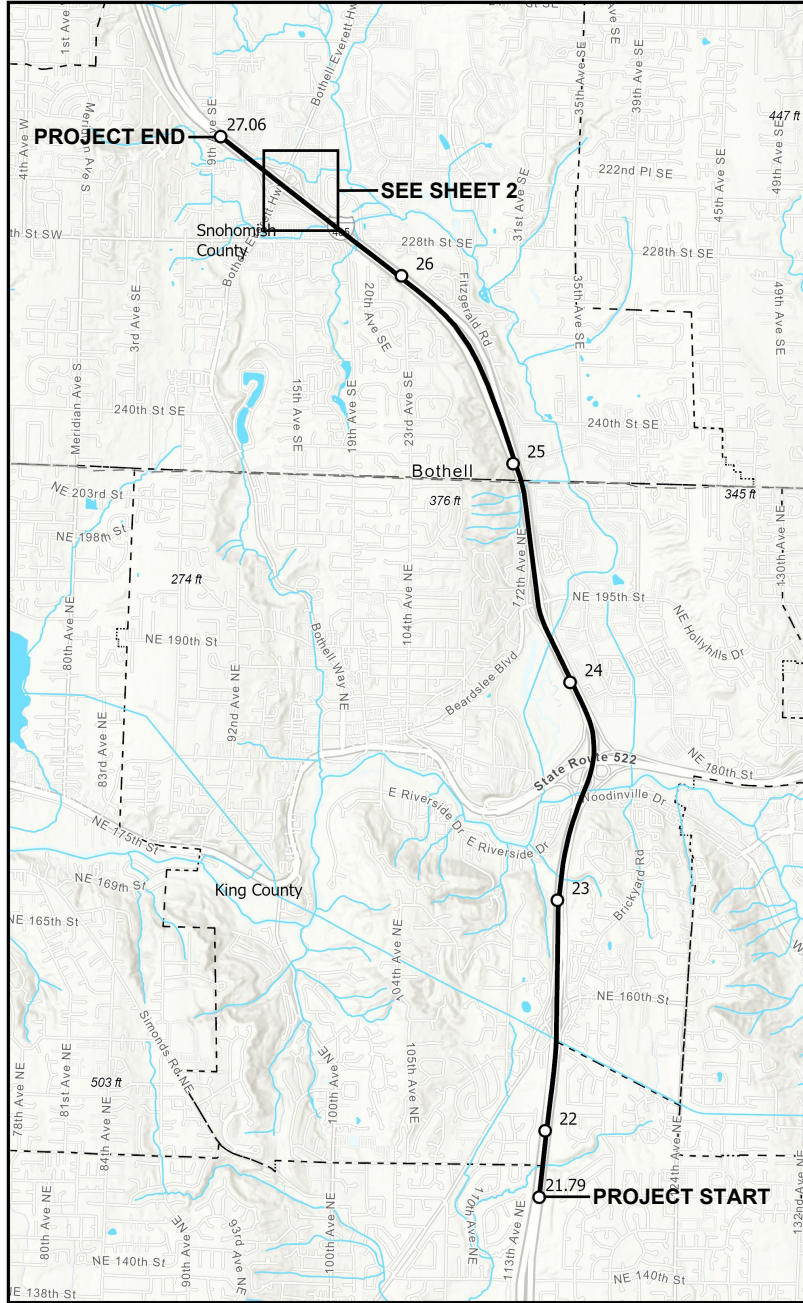
10/17/2025
 Version 1

Table 5 - Continued

	PERM WETLAND IMPACT	294	0.01	-	-	(294)	(0.01)	Updated project line work and nominal changes due to new stream alignment and small structure changes associated with the upstream wingwall.
	TEMP WETLAND IMPACT	398	0.01	651	0.01	253	0.01	Updated project line work and nominal changes due to new stream alignment and small structure changes associated with the upstream wingwall.
	WETLAND TO STREAM	65	0.10	401	0.01	336	0.01	Updated design for proposed OHWM upstream of SR 527 resulted in expanded stream into existing wetland. Concordant decrease in permanent wetland impact as that area is now considered conversion to stream, rather than permanent wetland impact.
WETLAND 26.78R	WETLAND AREA	1,742	0.04	1,742	0.04	(0)	0.00	No Change
	PERM WETLAND IMPACT	855	0.02	-	-	(855)	(0.02)	Updated project line work and nominal changes due to new stream alignment.
	TEMP WETLAND IMPACT	541	0.01	797	0.02	256	0.01	Prior permanent wetland impact is now considered temporary impact or conversion to stream.
	WETLAND TO STREAM	45	0.00	578	0.01	533	0.01	
WETLAND 26.79R	WETLAND AREA	871	0.02	871	0.02	(0)	0.00	No Change
	PERM WETLAND IMPACT	58	0.00	-	-	(58)	(0.00)	Updated project line work and nominal changes due to new stream alignment.
	TEMP WETLAND IMPACT	627	0.01	475	0.01	(152)	(0.00)	Prior permanent wetland impact is now considered temporary impact or conversion to stream.
	WETLAND TO STREAM	22	0.00	232	0.01	210	0.00	
COMBINED BUFFER	PERM BUFFER IMPACT	13,084	0	14,966	0	1,882	0.04	Updated project line work and nominal changes due to new stream alignment and small structure changes associated with the upstream wingwall.
	TEMP BUFFER IMPACT	8,391	0	13,821	0	5,430	0.12	
	BUFFER TO STREAM	1,726	0	1,873	0	(147)	(0)	
UNT to QUEENSBOROUGH CREEK	PERM STREAM IMPACT	2,124	0.05	2,385	0.05	261	0.01	Nominal increase in permanent stream impact results from incorporation of stream impact to occur with new graveled outfall into UNT to Queensborough.
	TEMP STREAM IMPACT	-	-	-	-	-	0.00	No Change
QUEENSBOROUGH CREEK	PERM STREAM IMPACT	7,783	0.18	4,129	0.09	(3,654)	(0.08)	Updated project line work and nominal changes due to new stream alignment.
	TEMP STREAM IMPACT	2,338	0.05	-	-	(2,338)	(0.05)	Updated project line work and nominal changes due to new stream alignment.

T.27N.R.5E.W.M.

I-405 BRICKYARD INLINE TRANSIT STATION PROJECT

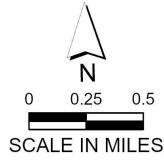


Legend

- Milepost
- Project Location
- Stream
- Waterbody
- Municipal Boundaries

LEGEND

- EXISTING WSDOT RIGHT OF WAY
- LIMITED ACCESS RIGHT OF WAY
- TEMPORARY CONSTRUCTION EASEMENT
- STREAM CENTER LINE
- WETLAND
- WETLAND BOUNDARY
- WETLAND BUFFER
- ORDINARY HIGH WATER MARK BOUNDARY
- FUTURE OHWM BASED ON MODELING
- STREAM BUFFER
- EXISTING DITCH FLOW ARROW
- EXISTING CULVERT
- EXISTING STORM PIPE
- EXISTING PAVEMENT EDGE
- CLEAR AND GRUB LINE
- IMPACT AREA LINE
- CUT LINE
- FILL LINE
- PERM. WETLAND IMPACT
- TEMP. WETLAND IMPACT
- WETLAND TO STREAM CONVERSION
- PERM. STREAM IMPACT
- TEMP. STREAM IMPACT
- PERM. BUFFER IMPACT
- TEMP. BUFFER IMPACT
- BUFFER TO STREAM CONVERSION



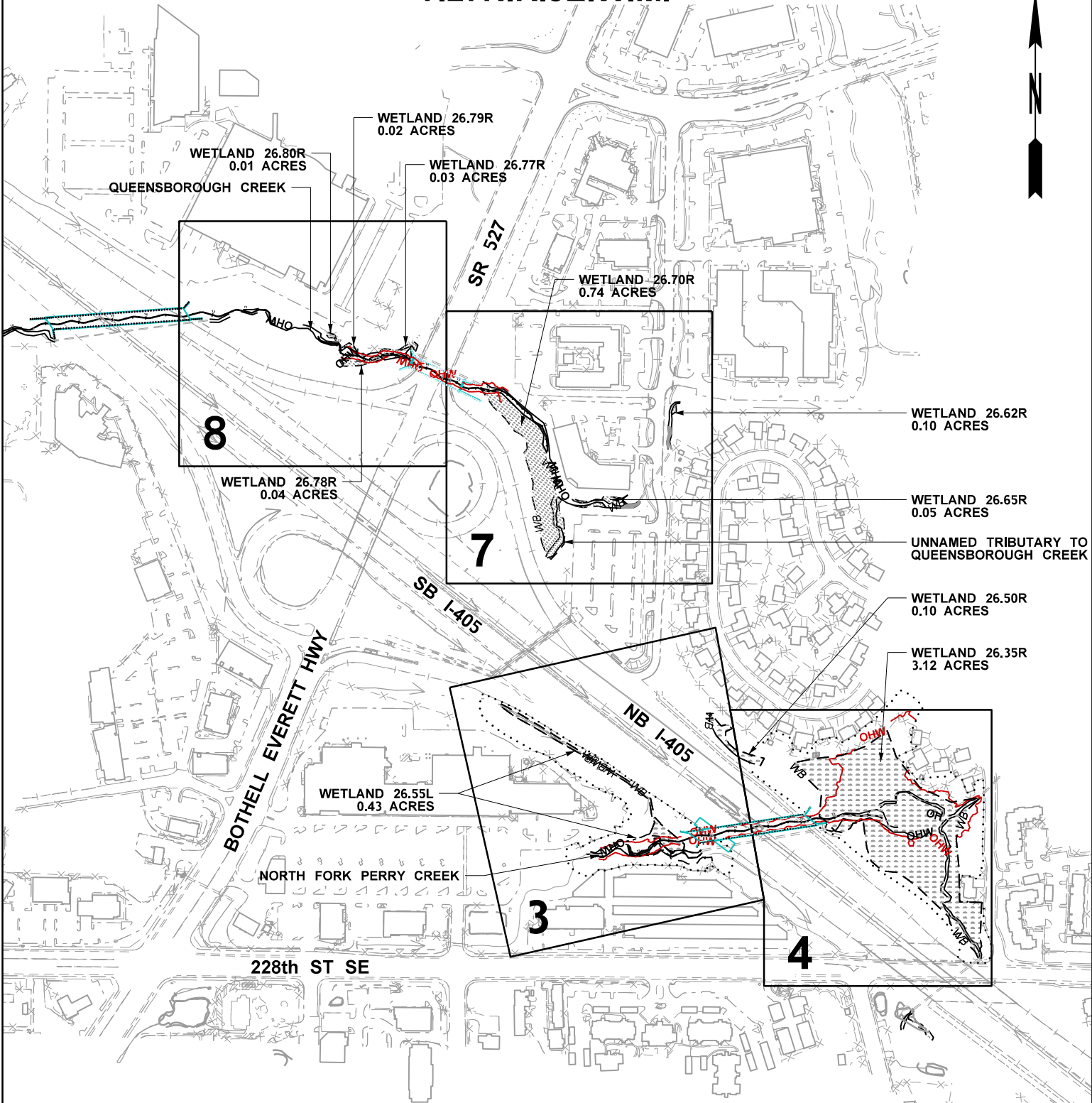
NAD 83/91 (HORIZONTAL)
NAVD 88 (VERTICAL)

PROJECT NAME: I-405, SR 522 VICINITY TO SR 527 EXPRESS TOLL LANES IMPROVEMENT PROJECT	
PURPOSE: ROADWAY IMPROVEMENTS	REFERENCE:
PROPOSED:	APPLICANT: WSDOT
LOCATION: I-405 CORRIDOR, BOTHELL, WA	COUNTY: KING /SHOHOMISH
DATUM: HORIZONTAL: NAD 83/91, VERTICAL: NAVD 88	NEAR: KIRKLAND /BOTHELL
ADJACENT PROPERTY OWNERS:	WATER BODY: Sammamish River, Tribs & Wetlands
	DATE: NOVEMBER 2024 OCTOBER 2025

**Washington State
Department of Transportation**

SHEET: 1 OF: 10

T.27N.R.5E.W.M.



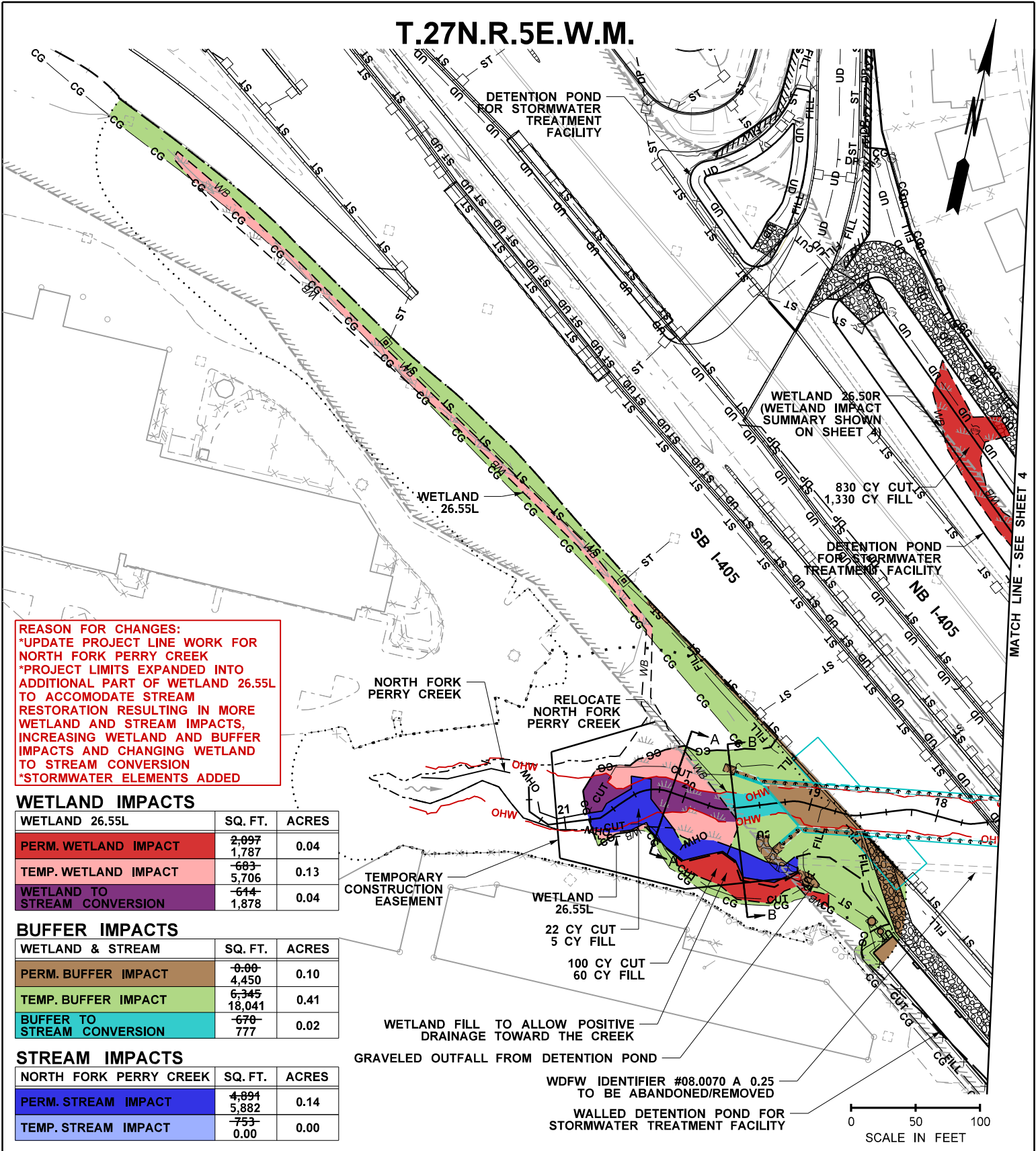
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PROPOSED:	APPLICANT: WSDOT
LOCATION: I-405 CORRIDOR, BOTHELL, WA	COUNTY: KING /SHOHOMISH
DATUM: HORIZONTAL: NAD 83/91, VERTICAL: NAVD 88	NEAR: KIRKLAND /BOTHELL
ADJACENT PROPERTY OWNERS:	WATER BODY: Sammamish River, Tribs & Wetlands
	DATE: NOVEMBER 2024 OCTOBER 2025



**Washington State
Department of Transportation**

SHEET: 2 OF: 10

T.27N.R.5E.W.M.



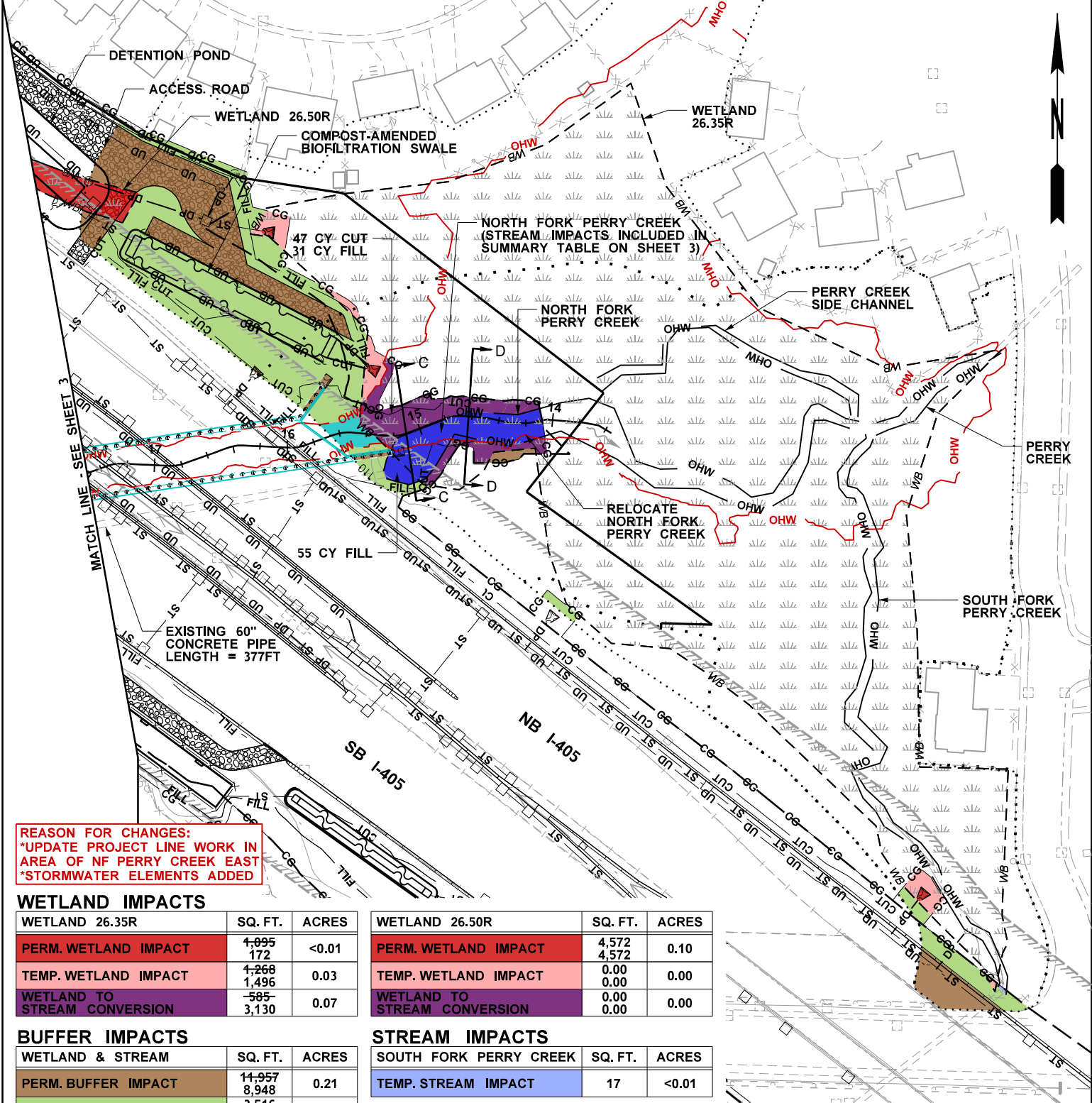
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LOCATION: I-405 CORRIDOR, BOTHELL, WA	COUNTY: KING /SHOHOMISH
DATUM: HORIZONTAL: NAD 83/91, VERTICAL: NAVD 88	NEAR: KIRKLAND /BOTHELL
ADJACENT PROPERTY OWNERS:	WATER BODY: Sammamish River, Tribs & Wetlands
	DATE: OCTOBER 2024 OCTOBER 2025



**Washington State
Department of Transportation**

SHEET: 3 OF: 10

T.27N.R.5E.W.M.



REASON FOR CHANGES:
 *UPDATE PROJECT LINE WORK IN AREA OF NF PERRY CREEK EAST
 *STORMWATER ELEMENTS ADDED

WETLAND IMPACTS

WETLAND 26.35R	SQ. FT.	ACRES
PERM. WETLAND IMPACT	1,095 172	<0.01
TEMP. WETLAND IMPACT	1,268 1,496	0.03
WETLAND TO STREAM CONVERSION	585 3,130	0.07

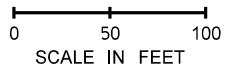
WETLAND 26.50R	SQ. FT.	ACRES
PERM. WETLAND IMPACT	4,572 4,572	0.10
TEMP. WETLAND IMPACT	0.00 0.00	0.00
WETLAND TO STREAM CONVERSION	0.00 0.00	0.00

BUFFER IMPACTS

WETLAND & STREAM	SQ. FT.	ACRES
PERM. BUFFER IMPACT	11,957 8,948	0.21
TEMP. BUFFER IMPACT	3,546 16,449	0.38
BUFFER TO STREAM CONVERSION	0.00 615	0.01

STREAM IMPACTS

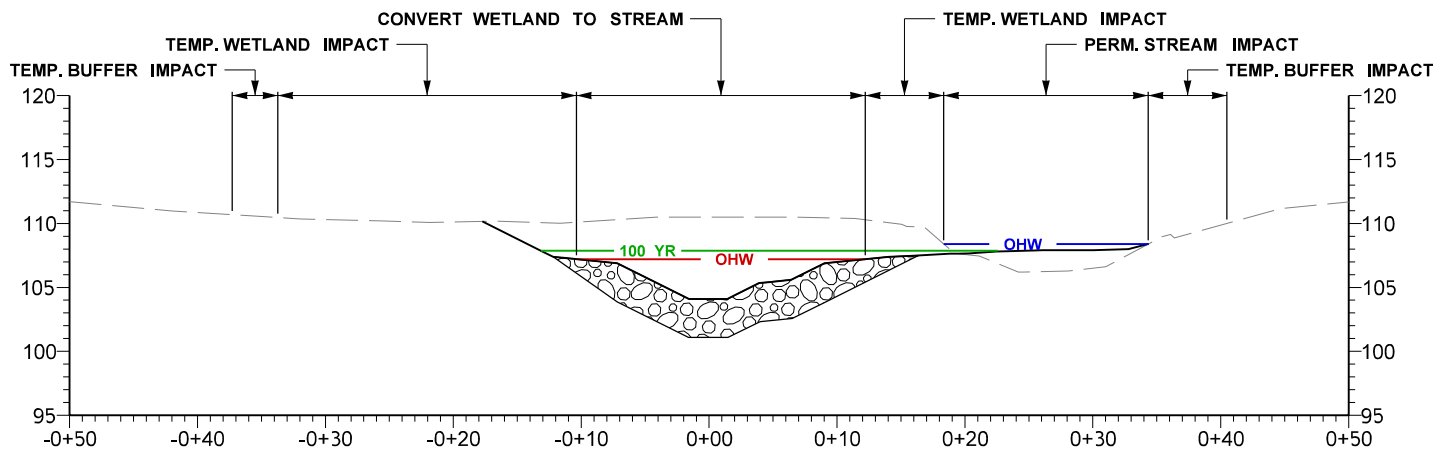
SOUTH FORK PERRY CREEK	SQ. FT.	ACRES
TEMP. STREAM IMPACT	17	<0.01



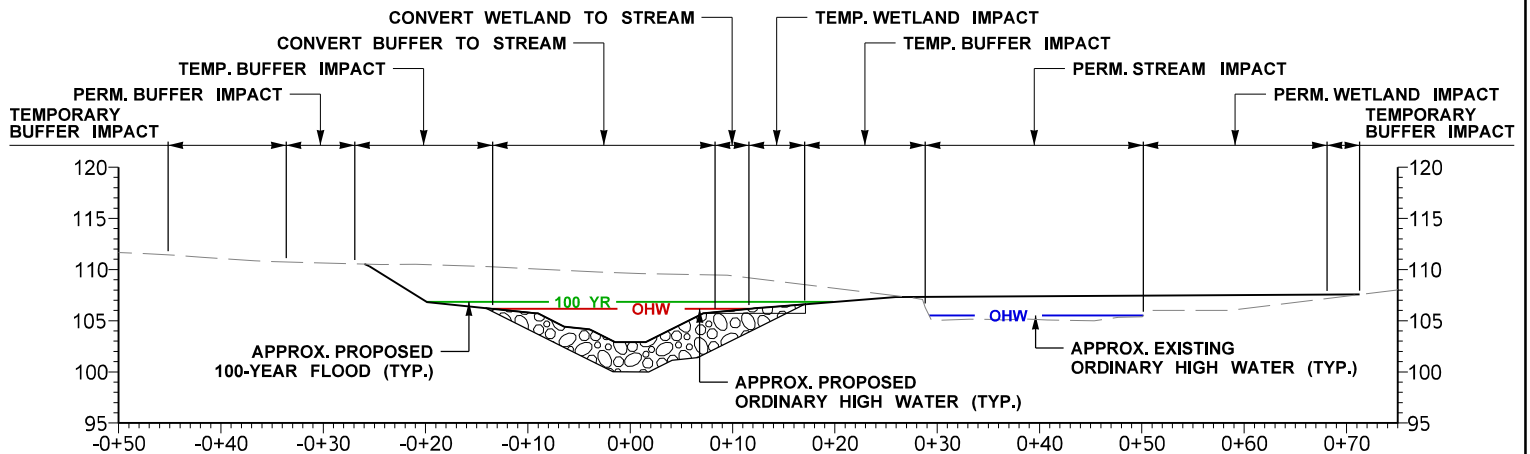
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PURPOSE: ROADWAY IMPROVEMENTS	REFERENCE:
PROPOSED:	APPLICANT: WSDOT
LOCATION: I-405 CORRIDOR, BOTHELL, WA	COUNTY: KING /SHOHOMISH
DATUM: HORIZONTAL: NAD 83/91, VERTICAL: NAVD 88	NEAR: KIRKLAND /BOTHELL
ADJACENT PROPERTY OWNERS:	WATER BODY: Sammamish River, Tribs & Wetlands
	DATE: OCTOBER 2024 OCTOBER 2025



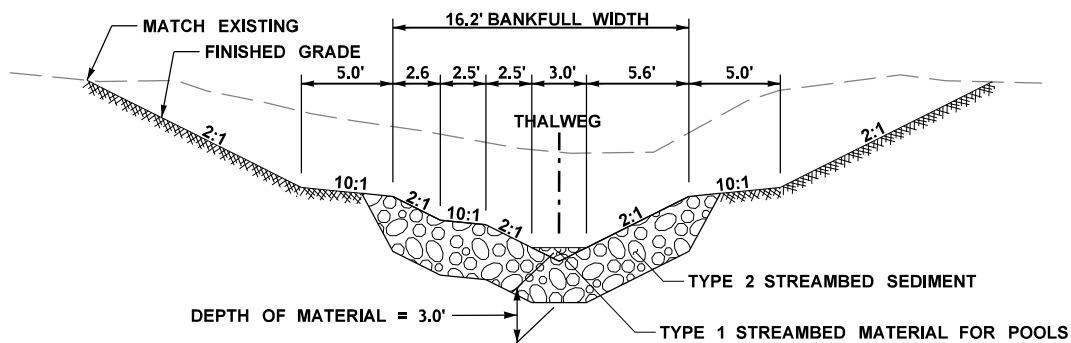
Washington State
 Department of Transportation



SECTION A-A (STA. 20+11.06)
WETLAND 26.55L AND NORTH FORK PERRY CREEK
 NOT TO SCALE



SECTION B-B (STA. 19+59.2)
WETLAND 26.55L AND NORTH FORK PERRY CREEK
 NOT TO SCALE



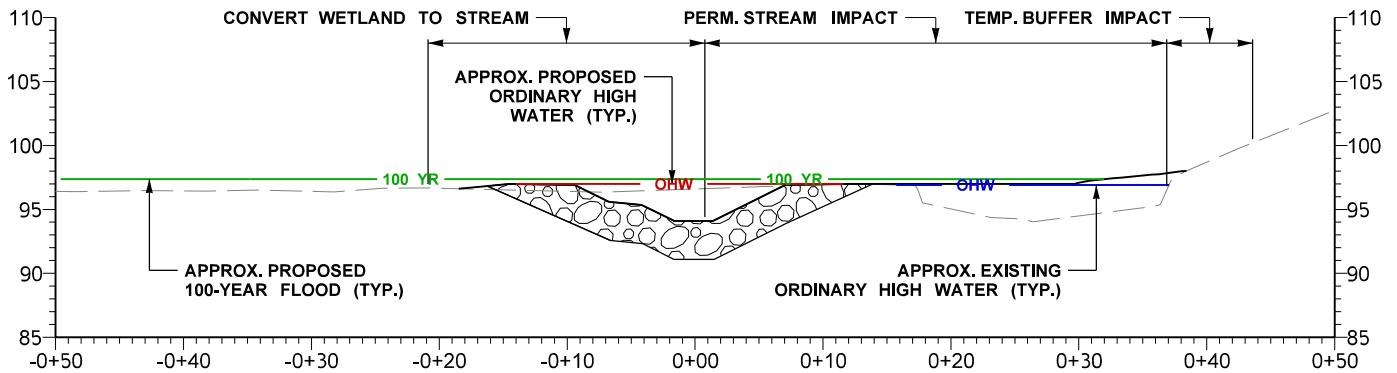
TYPICAL POOL RT SECTION UPSTREAM OF STRUCTURE
 NOT TO SCALE

PROJECT NAME: I-405, SR 522 VICINITY TO SR 527 EXPRESS TOLL LANES IMPROVEMENT PROJECT	
PURPOSE: ROADWAY IMPROVEMENTS	REFERENCE:
PROPOSED:	APPLICANT: WSDOT
LOCATION: I-405 CORRIDOR, BOTHELL, WA	COUNTY: KING /SHOHOMISH
DATUM: HORIZONTAL: NAD 83/91, VERTICAL: NAVD 88	NEAR: KIRKLAND /BOTHELL
ADJACENT PROPERTY OWNERS:	WATER BODY: Sammamish River, Tribs & Wetlands
	DATE: NOVEMBER 2024 OCTOBER 2025

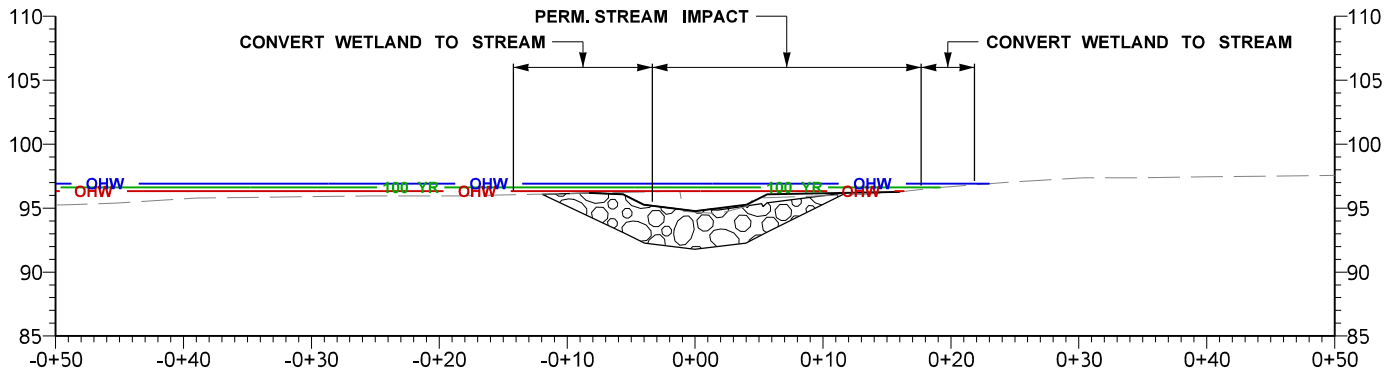


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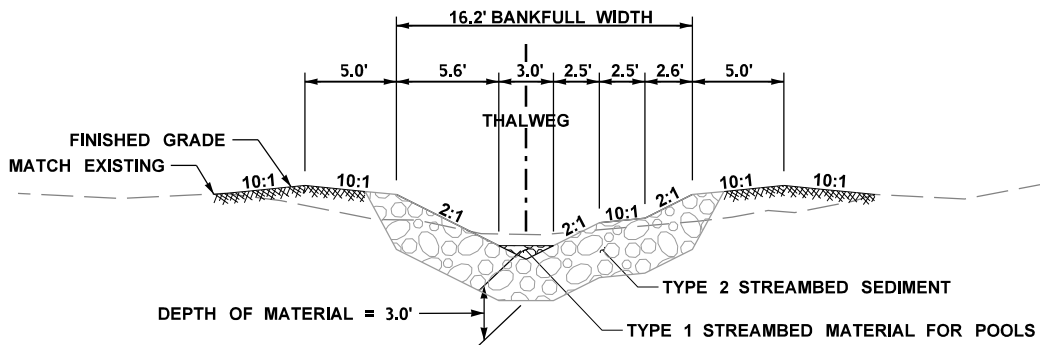
SHEET: 5 OF: 10



SECTION C-C (STA. 15+10.54)
WETLAND 26.35R AND NORTH FORK PERRY CREEK
 NOT TO SCALE



SECTION D-D (STA. 14+62.49)
WETLAND 26.35R AND NORTH FORK PERRY CREEK
 NOT TO SCALE



TYPICAL POOL LT SECTION DOWNSTREAM OF STRUCTURE
 NOT TO SCALE

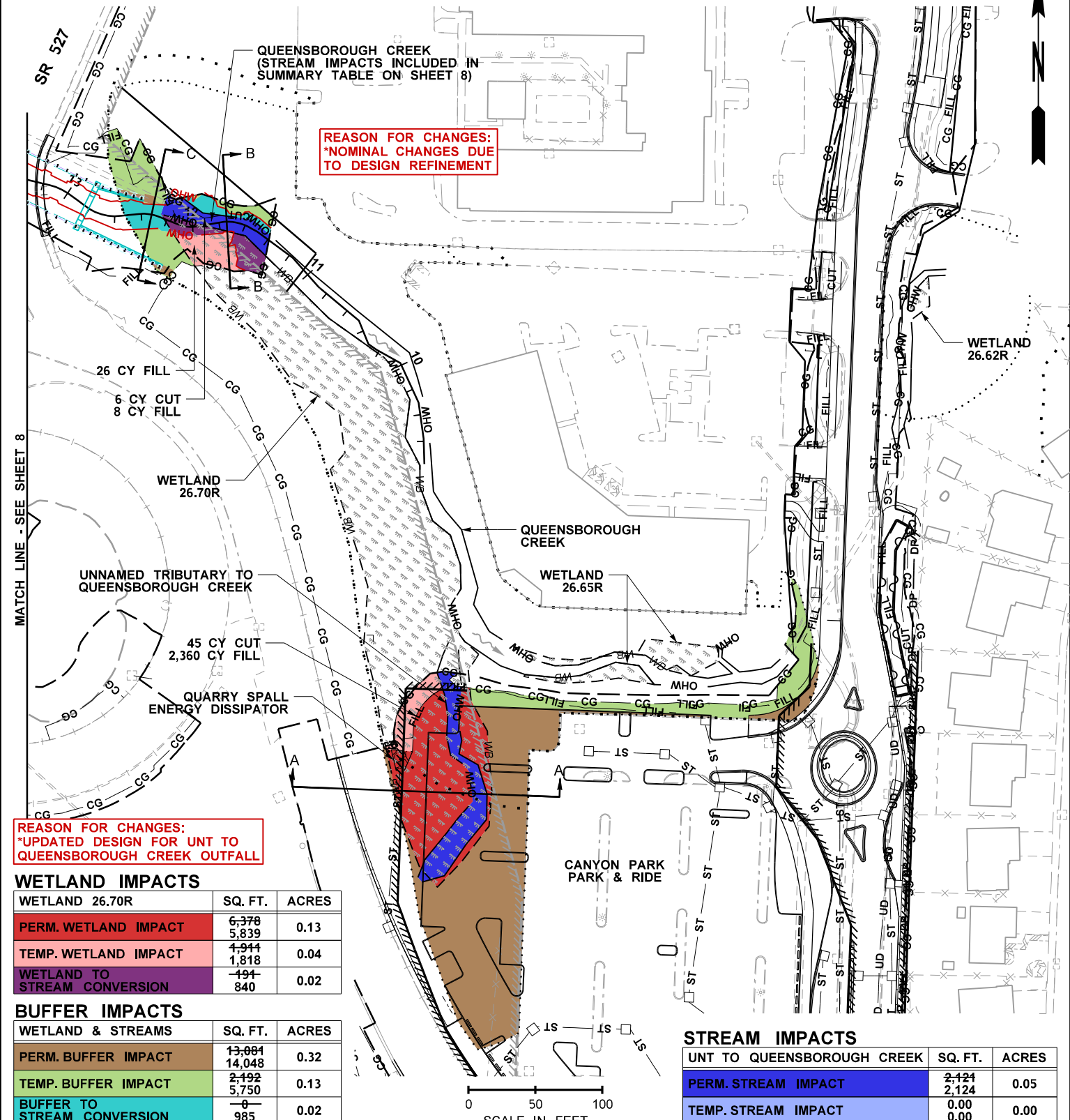
PROJECT NAME: I-405, SR 522 VICINITY TO SR 527 EXPRESS TOLL LANES IMPROVEMENT PROJECT	
PURPOSE: ROADWAY IMPROVEMENTS	REFERENCE:
PROPOSED:	APPLICANT: WSDOT
LOCATION: I-405 CORRIDOR, BOTHELL, WA	COUNTY: KING /SHOHOMISH
DATUM: HORIZONTAL: NAD 83/91, VERTICAL: NAVD 88	NEAR: KIRKLAND /BOTHELL
ADJACENT PROPERTY OWNERS:	WATER BODY: Sammamish River, Tribs & Wetlands
	DATE: NOVEMBER 2024 OCTOBER 2025



Washington State
 Department of Transportation

SHEET: 6 OF: 10

T.27N.R.5E.W.M.



REASON FOR CHANGES:
*UPDATED DESIGN FOR UNT TO
QUEENSBOROUGH CREEK OUTFALL

WETLAND IMPACTS

WETLAND 26.70R	SQ. FT.	ACRES
PERM. WETLAND IMPACT	6,378 5,839	0.13
TEMP. WETLAND IMPACT	4,914 1,818	0.04
WETLAND TO STREAM CONVERSION	-494 840	0.02


BUFFER IMPACTS

WETLAND & STREAMS	SQ. FT.	ACRES
PERM. BUFFER IMPACT	13,084 14,048	0.32
TEMP. BUFFER IMPACT	2,492 5,750	0.13
BUFFER TO STREAM CONVERSION	0 985	0.02

STREAM IMPACTS

UNT TO QUEENSBOROUGH CREEK	SQ. FT.	ACRES
PERM. STREAM IMPACT	2,424 2,124	0.05
TEMP. STREAM IMPACT	0.00 0.00	0.00

PROJECT NAME: I-405, SR 522 VICINITY TO SR 527 EXPRESS TOLL LANES IMPROVEMENT PROJECT	REFERENCE:
PURPOSE: ROADWAY IMPROVEMENTS	APPLICANT: WSDOT
PROPOSED:	COUNTY: KING /SHOHOMISH
LOCATION: I-405 CORRIDOR, BOTHELL, WA	NEAR: KIRKLAND /BOTHELL
DATUM: HORIZONTAL: NAD 8391, VERTICAL: NAVD 88	WATER BODY: Sammamish River, Tribs & Wetlands
ADJACENT PROPERTY OWNERS:	DATE: NOVEMBER 2024 OCTOBER 2025



**Washington State
Department of Transportation**

SHEET: 7 OF: 10

T.27N.R.5E.W.M.

WETLAND IMPACTS

WETLAND 26.77R	SQ. FT.	ACRES
PERM. WETLAND IMPACT	-294 0	0.00
TEMP. WETLAND IMPACT	-398 651	0.01
WETLAND TO STREAM CONVERSION	-65 401	<0.01

WETLAND 26.78R	SQ. FT.	ACRES
PERM. WETLAND IMPACT	-855 0	0.00
TEMP. WETLAND IMPACT	-541 797	0.02
WETLAND TO STREAM CONVERSION	-45 578	0.01

WETLAND 26.79R	SQ. FT.	ACRES
PERM. WETLAND IMPACT	-58 0	0.00
TEMP. WETLAND IMPACT	-627 475	0.01
WETLAND TO STREAM CONVERSION	-22 232	<0.01

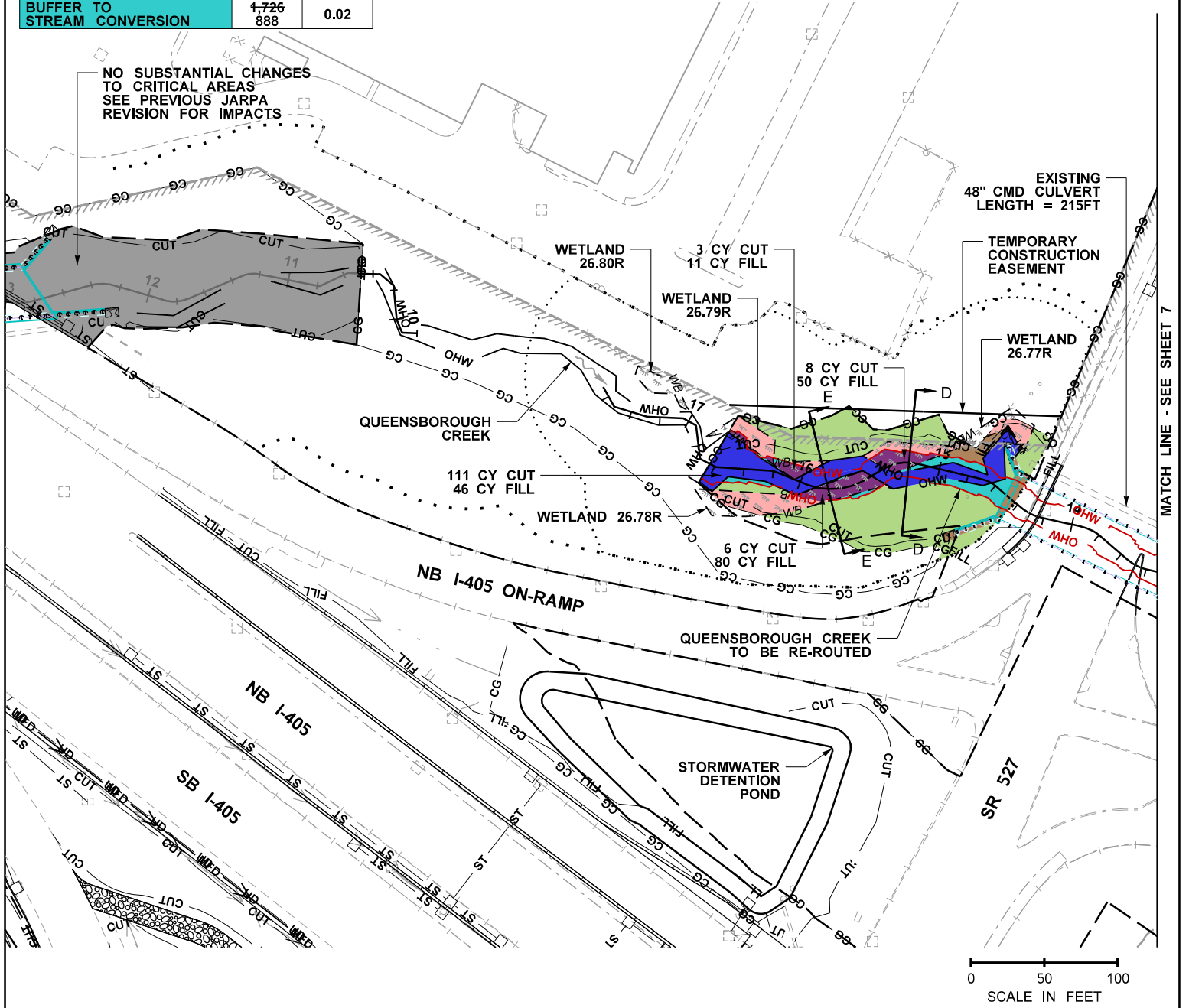
BUFFER IMPACTS

WETLANDS & STREAM	SQ. FT.	ACRES
PERM. BUFFER IMPACT	0 843	0.02
TEMP. BUFFER IMPACT	6,499 8,071	0.19
BUFFER TO STREAM CONVERSION	1,726 888	0.02

STREAM IMPACTS

QUEENSBOROUGH CREEK	SQ. FT.	ACRES
PERM. STREAM IMPACT	7,783 4,129	0.09
TEMP. STREAM IMPACT	2,338 0.00	0.00

REASON FOR CHANGES:
 *UPDATED PROJECT LINE WORK
 *NOMINAL CHANGES DUE TO NEW STREAM ALIGNMENT AND SMALL STRUCTURE CHANGES ASSOCIATED WITH UPSTREAM WINGWALL.

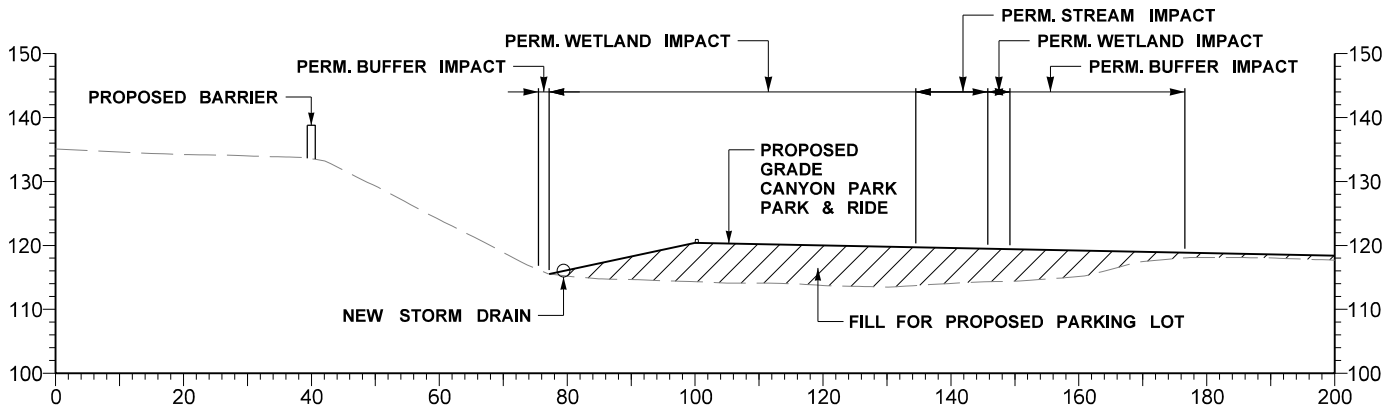


PROJECT NAME: I-405, SR 522 VICINITY TO SR 527 EXPRESS TOLL LANES IMPROVEMENT PROJECT	
PURPOSE: ROADWAY IMPROVEMENTS	REFERENCE:
PROPOSED:	APPLICANT: WSDOT
LOCATION: I-405 CORRIDOR, BOTHELL, WA	COUNTY: KING /SHOHOMISH
DATUM: HORIZONTAL: NAD 83/91, VERTICAL: NAVD 88	NEAR: KIRKLAND /BOTHELL
ADJACENT PROPERTY OWNERS:	WATER BODY: Sammamish River, Tribs & Wetlands
	DATE: NOVEMBER 2024 OCTOBER 2025

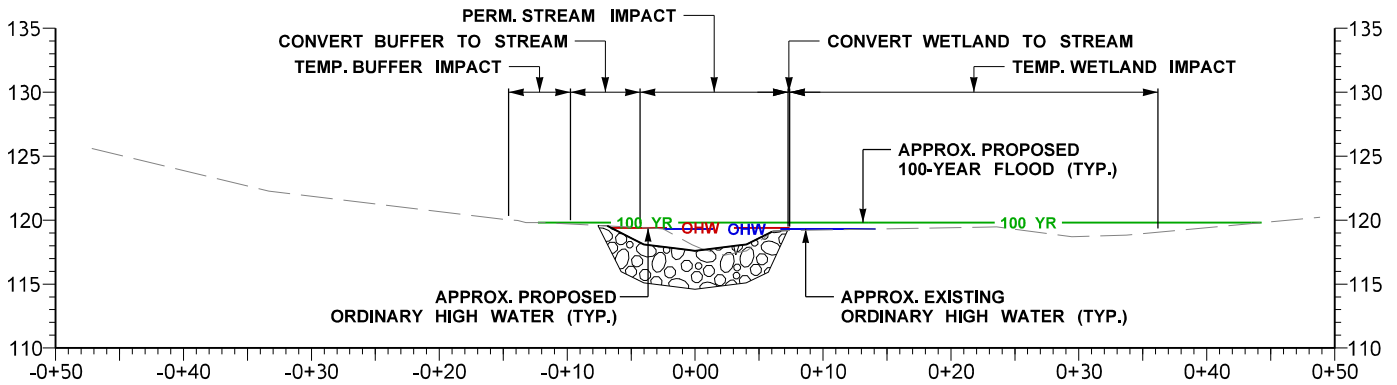


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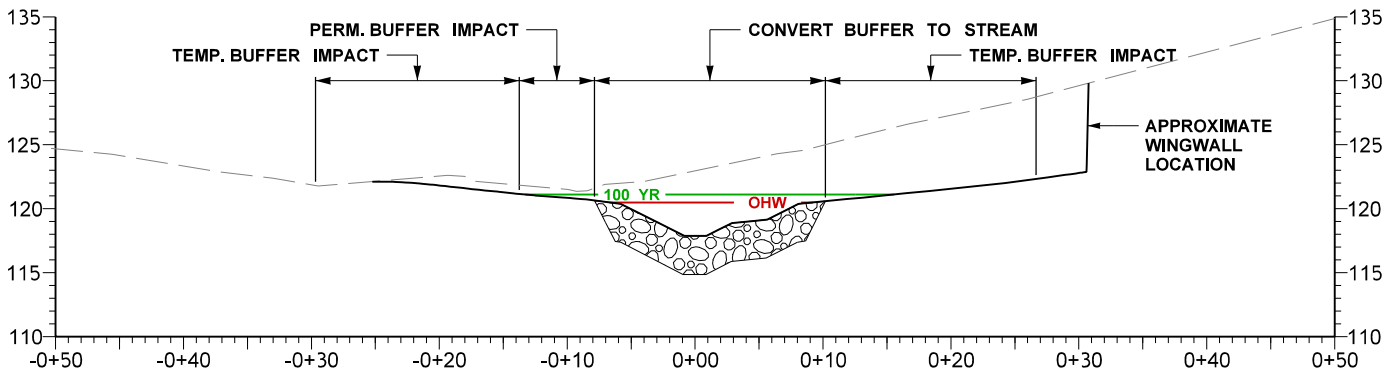
SHEET: 8 OF: 10



SECTION A-A
WETLAND 26.70R AND UNT to QUEENSBOROUGH CREEK
 NOT TO SCALE



SECTION B-B (STA. 11+74.17)
WETLAND 26.70R AND QUEENSBOROUGH CREEK
 NOT TO SCALE



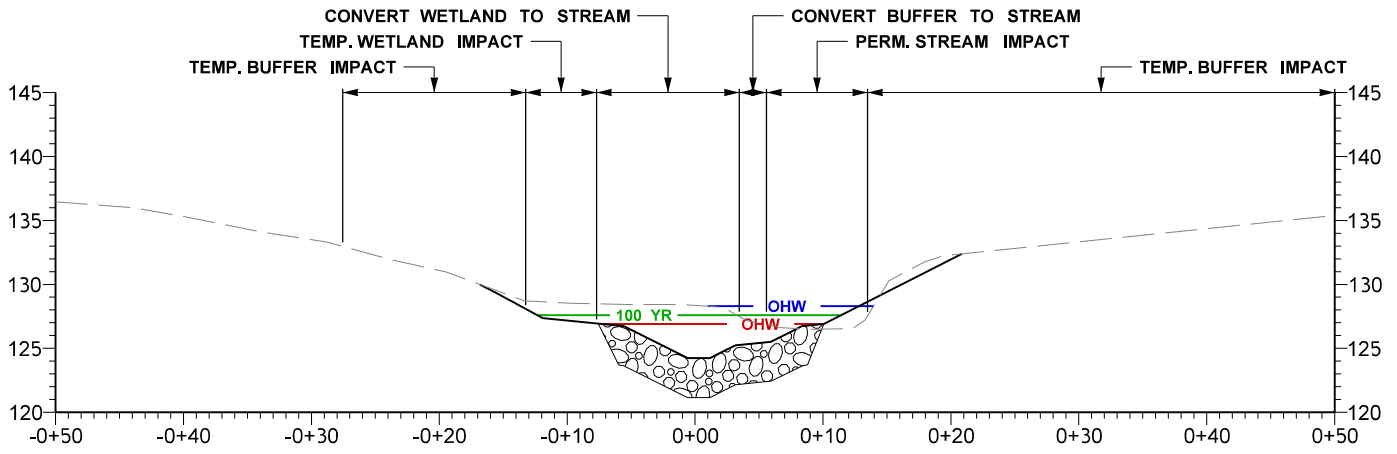
SECTION C-C (STA. 12+32.23)
WETLAND 26.70R AND QUEENSBOROUGH CREEK
 NOT TO SCALE

PROJECT NAME: I-405, SR 522 VICINITY TO SR 527 EXPRESS TOLL LANES IMPROVEMENT PROJECT	
PURPOSE: ROADWAY IMPROVEMENTS	REFERENCE:
PROPOSED:	APPLICANT: WSDOT
LOCATION: I-405 CORRIDOR, BOTHELL, WA	COUNTY: KING /SHOHOMISH
DATUM: HORIZONTAL: NAD 83/91, VERTICAL: NAVD 88	NEAR: KIRKLAND /BOTHELL
ADJACENT PROPERTY OWNERS:	WATER BODY: Sammamish River, Tribs & Wetlands
	DATE: NOVEMBER 2024 OCTOBER 2025

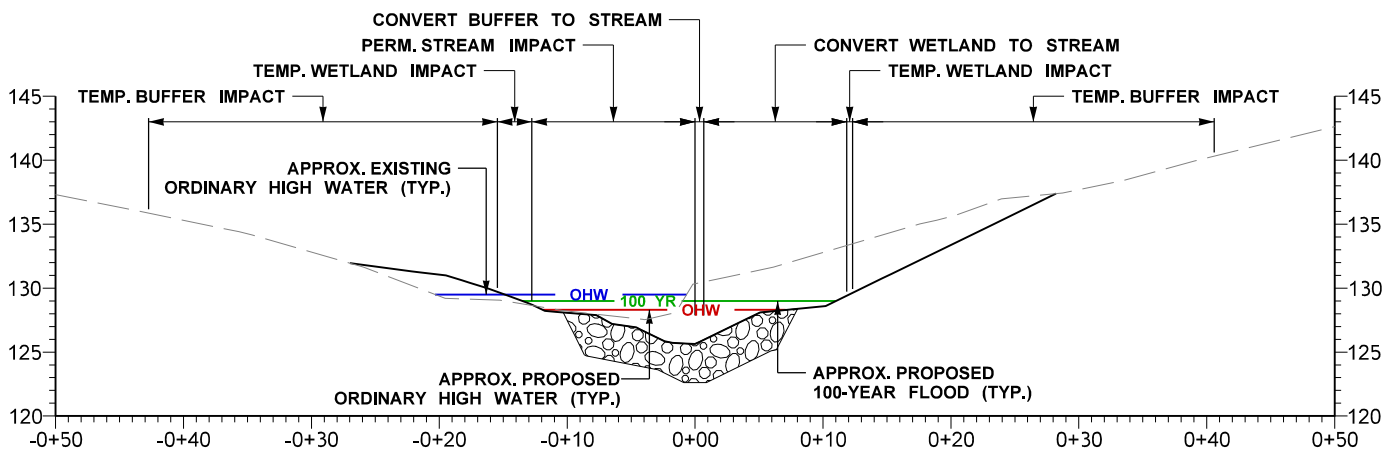


Washington State
 Department of Transportation

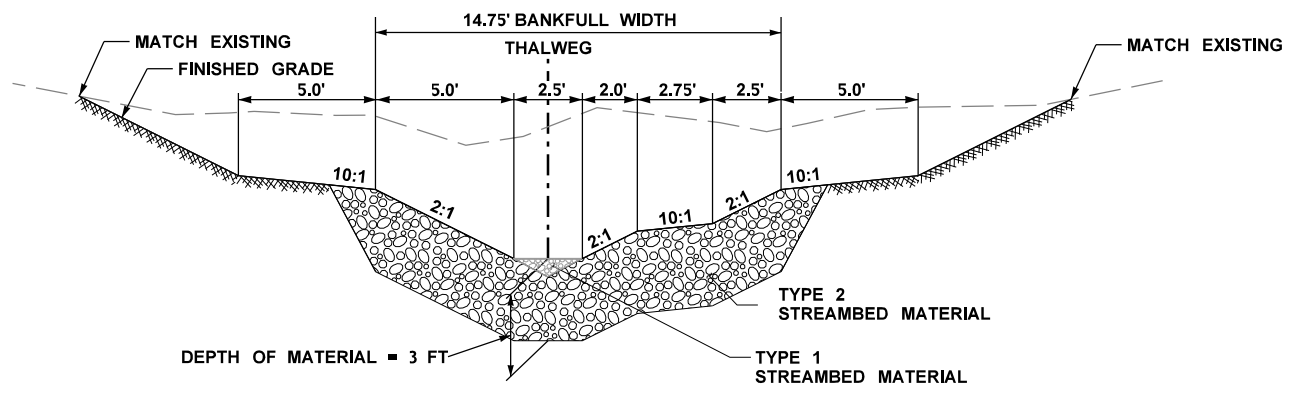
SHEET: 9 OF: 10



SECTION D-D (STA. 15+21.25)
WETLAND 26.77R AND QUEENSBOROUGH CREEK
 NOT TO SCALE




SECTION E-E (STA. 15+80.20)
WETLAND 26.78R, 26.79R AND QUEENSBOROUGH CREEK
 NOT TO SCALE



TYPICAL POOL SECTION
 NOT TO SCALE

PROJECT NAME: I-405, SR 522 VICINITY TO SR 527 EXPRESS TOLL LANES IMPROVEMENT PROJECT	
PURPOSE: ROADWAY IMPROVEMENTS	REFERENCE:
PROPOSED:	APPLICANT: WSDOT
LOCATION: I-405 CORRIDOR, BOTHELL, WA	COUNTY: KING /SHOHOMISH
DATUM: HORIZONTAL: NAD 83/91, VERTICAL: NAVD 88	NEAR: KIRKLAND /BOTHELL
ADJACENT PROPERTY OWNERS:	WATER BODY: Sammamish River, Tribs & Wetlands
	DATE: NOVEMBER 2024 OCTOBER 2025



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Contractor Breakdown Summary

Project Name: I-405/Brickyard to SR527 Improvements

Cost Event: WDSOT PCO 145

Project No. 009727

Source Documents:

Date: 1/30/2026

Contractor: Skanska Civil USA West

Contractor Ref. No. SKA-0219

Description: Administrative costs associated with updating permits and maps to document new wetland at North Fork Perry Creek. Additional unforeseen construction impacts due to wetland boundaries changing and imposing new conditions on planned construction operations.

#	Item	Cost
Skanska Self Perform Direct Costs		
A	SKA Labor Costs	\$ 41,278.80
B	Mark-up on SKA Labor Costs (31% x A)	\$ 18,545.55
C	SKA Equipment Costs	\$ 84,739.60
D	Mark-up on SKA Equipment Costs (21% x C)	\$ 22,525.72
E	SKA Materials Costs	\$ -
F	Materials Tax (10.3% x G)	\$ -
G	Mark-up on SKA Materials Costs (21% x G)	\$ -
H	Construction Services	\$ 50,425.23
I	Mark-up on Construction Services (21 x H)	\$ 13,404.18
J	Subtotal Skanska Self Perform Change Amount (Sum A:I)	\$ 230,919.07
Subcontractor Direct Costs		
K	Subcontractor 1	\$ -
L	Subcontractor 2	\$ -
M	Subcontractor 3	\$ -
S	Subtotal Subcontractors Direct Costs (Sum K:M)	\$ -
T	Mark-up on Subcontractors (15% x S)	\$ -
U	Subtotal Subcontractors Change Amount (S+T)	\$ -
V	Subtotal Change Amount (J+U)	\$ 230,919.07
Forecasted Cost on Work Yet to Be Performed		
KK	Subtotal Change Amount of Work Yet to Be Performed (FF+II)	\$ -
	Total Cost of Change Work (V+KK)	\$ 230,919

Estimate Overhead **Billing**

Principal:		% Complete:	Direct Labor:	25,000.00
Project Manager:	Joshua Earl	Labor % Complete:	Direct Expense:	
Client:	WSDOT	Expense % Complete:	Direct Consultant:	
Organization:	01:W:ON:SE:PJM	Start Date:	7/20/2023	Reimbursable Expense:
Status:	Dormant	Complete Date:	12/30/2027	Reimbursable Consultant:
Type:	Regular	Unit Table:	Total Fee:	25,000.00
Revenue Method:	T_M	Budgeted OH Rate:	Multiplier/Amount:	

Phase Number: 000007 ECP Part III

Principal:		% Complete:	Direct Labor:	8,500.00
Project Manager:	Joshua Earl	Labor % Complete:	Direct Expense:	
Client:	WSDOT	Expense % Complete:	Direct Consultant:	
Organization:	01:W:ON:SE:PJM	Start Date:	7/20/2023	Reimbursable Expense:
Status:	Dormant	Complete Date:	12/30/2027	Reimbursable Consultant:
Type:	Regular	Unit Table:	Total Fee:	8,500.00
Revenue Method:	T_M	Budgeted OH Rate:	Multiplier/Amount:	

Phase Number: 000008 Sensitive Area Verification Letter 14,288.75

Principal:		% Complete:	Direct Labor:	48,875.00
Project Manager:	Joshua Earl	Labor % Complete:	Direct Expense:	
Client:	WSDOT	Expense % Complete:	Direct Consultant:	
Organization:	01:W:ON:SE:PJM	Start Date:	7/20/2023	Reimbursable Expense:
Status:	Dormant	Complete Date:	12/30/2027	Reimbursable Consultant:
Type:	Regular	Unit Table:	Total Fee:	48,875.00
Revenue Method:	T_M	Budgeted OH Rate:	Multiplier/Amount:	

Labor and Overhead 14,288.75

ON00037 Deputy Environmental Compliance Manager	776.25
000000 <Conversion>	776.25
1 Regular	776.25
430221 Libow, Jill 7/17/2025	488.75
WSAR Review/QC (Technical Editing)	
430221 Libow, Jill 7/18/2025	287.50
WSAR Review/QC (Technical Editing)	
ON00042 ECI	7,762.50
000000 <Conversion>	7,762.50
1 Regular	7,762.50
415954 Schuetze, Abigail 6/19/2025	345.00
Response to SAVL addendum comments	
415954 Schuetze, Abigail 6/30/2025	115.00
Sensitive Area survey prep	
415954 Schuetze, Abigail 7/1/2025	690.00
Sensitive area survey	
415954 Schuetze, Abigail 7/3/2025	115.00
sensitive area discussion with Ann	
416135 Watson, James 6/5/2025	805.00
Prepped before wetland delineation and performed delineation.	
416135 Watson, James 6/6/2025	920.00
Continued wetland delineation. Collected data points. Drafted wetland data sheets and rating forms.	
416135 Watson, James 6/10/2025	460.00
Completed wetland data sheets.	
416135 Watson, James 6/12/2025	115.00
Created wetland sketch for surveyors.	
416135 Watson, James 7/11/2025	57.50
Updated Wetlands 1-3	

Cost associated with expanded delineation and reporting near North Fork Perry. Work included:
 - Additional Tree inventory
 - Wetland delineation/survey
 - Wetland and Stream Assessment Report (WSAR) addendum.

Estimate Overhead

Billing

415950 Moulton, Courtney 8/20/2025 227.14

DEIRs, MBTA form

415950 Moulton, Courtney 8/29/2025 170.36

Brickyard coverage meeting

415954 Schuetze, Abigail 7/8/2025 397.50

field survey

415954 Schuetze, Abigail 7/9/2025 170.36

WSAR addendum (rating form)

415954 Schuetze, Abigail 7/11/2025 170.36

WSAR addendum (rating form)

415954 Schuetze, Abigail 7/14/2025 340.71

WSAR addendum

415954 Schuetze, Abigail 7/15/2025 908.56

WSAR addendum

415954 Schuetze, Abigail 7/16/2025 113.57

WSAR addendum

415954 Schuetze, Abigail 7/17/2025 567.85

WSAR addendum

415954 Schuetze, Abigail 7/18/2025 113.57

WSAR addendum

416135 Watson, James 6/2/2025 965.35

Conducted inspections throughout the project area

416135 Watson, James 6/3/2025 1,022.13

Conducted inspections throughout the project area

416135 Watson, James 6/4/2025 1,135.70

Conducted inspections throughout the project area

416135 Watson, James 6/9/2025 1,022.13

Completed environmental inspections throughout the Brickyard project site.

416135 Watson, James 6/11/2025 1,022.13

Completed environmental inspections throughout the Brickyard project site.

416135 Watson, James 6/12/2025 113.57

Completed previous DEIRs

416135 Watson, James 6/13/2025 1,022.13

Completed environmental inspections throughout the Brickyard project site.

416135 Watson, James 6/16/2025 1,022.13

Completed environmental inspections throughout the Brickyard project site.

416135 Watson, James 6/17/2025 1,022.13

Completed environmental inspections throughout the Brickyard project site.

416135 Watson, James 6/18/2025 1,135.70

Completed environmental inspections throughout the Brickyard project site. Collected and delivered sediment samples to OnSite Lab.

416135 Watson, James 6/19/2025 965.35

Completed environmental inspections throughout the Brickyard project site.

416135 Watson, James 6/20/2025 397.50

Completed environmental inspections throughout the Brickyard project site.

* 416135 Watson, James 6/20/2025 567.85

Completed environmental inspections throughout the Brickyard project site.

416135 Watson, James 6/24/2025 1,078.92

Conducted environmental inspections throughout project site.

416135 Watson, James 6/25/2025 1,022.13

Conducted environmental inspections throughout project site.

416135 Watson, James 6/26/2025 1,135.70

Conducted environmental inspections throughout project site.

WSAR field inspection under ECI task.

Estimate Overhead

Billing

414036	Harrison, Samantha	6/4/2025	454.28
	Package 8 drawings and RSCR		
414036	Harrison, Samantha	6/12/2025	227.14
	Tree survey		
414036	Harrison, Samantha	6/13/2025	454.28
	Tree and Package 8 CAD work		
414036	Harrison, Samantha	6/17/2025	397.50
	Perry Creek roadway drainage coordination		
414036	Harrison, Samantha	6/18/2025	113.57
	New tree survey and water management		
414036	Harrison, Samantha	6/19/2025	227.14
	Segment 8 updates to TESC plans		
414036	Harrison, Samantha	6/27/2025	113.57
	Additional tree and wetland surveys for exceedance areas		
414036	Harrison, Samantha	6/30/2025	567.85
	Map preparation for additional QB survey (2 hrs), Segment 8 TESC calc updates based on new schedule (3 hrs)		
414036	Harrison, Samantha	7/1/2025	340.71
	Segment 8 TESC calcs, additional tree survey support		
414036	Harrison, Samantha	7/2/2025	113.57
	TESC hold point meeting		
414036	Harrison, Samantha	7/3/2025	397.50
	Segment 8 TESC sheet updates, Bluebeam sessions, additional tree survey data management		
414036	Harrison, Samantha	7/7/2025	227.14
	Tree data, TESC edits		
414036	Harrison, Samantha	7/8/2025	227.14
	Package 8 RCSR review, TESC edits		
414036	Harrison, Samantha	7/9/2025	454.28
	pump revisions for new package scheduling, TESC revisions		
414036	Harrison, Samantha	7/10/2025	113.57
	Package 8 TESC updates		
414036	Harrison, Samantha	7/16/2025	170.36
	Wetland rating maps		
414036	Harrison, Samantha	7/17/2025	340.71
	Wetland 26.55L		
414036	Harrison, Samantha	7/18/2025	227.14
	Wetland 26.55L, Package 8 TESC		
414036	Harrison, Samantha	9/24/2025	113.57
	Package 8 TESC submittal		
414036	Harrison, Samantha	9/26/2025	227.14
	Package 8 TESC submittal		
414036	Harrison, Samantha	10/7/2025	227.14
	Canyon Park calculations		
414036	Harrison, Samantha	10/31/2025	227.14
	Segment 1 roadway runoff incorporation into calcs		
414055	Stewart, Jeffery	6/10/2025	56.79
	Create .kmz files		
414055	Stewart, Jeffery	6/25/2025	113.57
	Safety Training		
414055	Stewart, Jeffery	7/7/2025	113.57
	CAD Assistance		
414055	Stewart, Jeffery	7/10/2025	227.14
414055	Stewart, Jeffery	7/17/2025	681.42
	Wetland 26.55L Figures, Stream 25.0L Sheets, meetings		

Estimate Overhead

Billing

* 416172 Adamowski, Nicholas	9/9/2025	101.40
Area 5 sampling plan development		
* 416172 Adamowski, Nicholas	9/10/2025	338.00
Area 5 SAP development		
* 416172 Adamowski, Nicholas	9/11/2025	574.60
Area 5 SAP, GAC follow up		
* 416172 Adamowski, Nicholas	9/12/2025	67.60
SAP discussion		
* 416172 Adamowski, Nicholas	9/15/2025	371.80
Area 5 SAP		
* 416172 Adamowski, Nicholas	9/16/2025	270.40
Area 5 SAP QC and updates		
* 416172 Adamowski, Nicholas	9/18/2025	202.80
SAP review, updates, correspondence		
* 416172 Adamowski, Nicholas	9/19/2025	371.80
Waste management GAC profiling, scheduling		

Expenses	8,004.29
Reimbursable Expenses	8,004.29
5610.00 Laboratory - Outside	8,004.29
* AP 0000674102 10/9/2025 / Alliance Technical Group	7,748.70
* AP 0000675046 10/24/2025 / Alliance Technical Group	255.59

Phase Number: 00033 JARPA 28,337.71

Principal:	% Complete:	Direct Labor:
Project Manager: Joshua Earl	Labor % Complete:	Direct Expense:
Client: WSDOT	Expense % Complete:	Direct Consultant:
Organization: 01:W:ON:SE:PJM	Start Date:	Reimbursable Expense:
Status: Active	Complete Date: 12/30/2027	Reimbursable Consultant:
Type: Regular	Unit Table:	Total Fee:
Revenue Method: T, M	Budgeted OH Rate:	Multiplier/Amount:

Labor and Overhead	28,337.71
ON00012 CADD	9,880.63
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1 Regular	9,880.63
* 414036 Harrison, Samantha 10/13/2025	227.14
Sensitive area impacts	
* 414036 Harrison, Samantha 10/14/2025	965.35
Sensitive area impacts	
* 414055 Stewart, Jeffery 8/21/2025	794.99
JARPA Revisions	
* 414055 Stewart, Jeffery 8/25/2025	681.42
JARPA Updates	
* 414055 Stewart, Jeffery 8/26/2025	567.85
JARPA Updates	
* 414055 Stewart, Jeffery 8/27/2025	454.28
JARPA Updates	
* 414055 Stewart, Jeffery 8/28/2025	340.71
JARPA Updates	
* 414055 Stewart, Jeffery 8/29/2025	56.79
Correspondence	
* 414055 Stewart, Jeffery 9/3/2025	56.79
JARPA Revisions	

JARPA permit update for North Fork Perry.

Estimate Overhead

Billing

* 417067	Boeholt, Ann	9/9/2025	304.20	QC latest JARPA update plan set and team coordination, compile JARPA changes table.
* 417067	Boeholt, Ann	9/10/2025	270.40	Continue JARPA impact summary table and coordinate on JARPA update figures.
* 417067	Boeholt, Ann	9/11/2025	371.80	Coordinate with Mika re: review and finalization of JARPA update; coordinate with Abi on WSAR addendum responses
* 417067	Boeholt, Ann	9/12/2025	67.60	JARPA update completion
* 417067	Boeholt, Ann	9/15/2025	473.20	Complete JARPA Updates for NF Perry and Queensborough including coordination with internal team
* 417067	Boeholt, Ann	9/16/2025	33.80	Coordinate on Final JARPA update for NF Perry/Queensborough
* 417067	Boeholt, Ann	9/17/2025	304.20	Coordinate on Final JARPA update for NF Perry/Queensborough
* 417067	Boeholt, Ann	10/1/2025	67.60	Evaluation of wetland impact areas adjacent to NF Perry and Queensborough that are not directly associated with the Fish Passage project (for mitigation determinations).
* 417067	Boeholt, Ann	10/3/2025	270.40	Mitigation planning
* 417067	Boeholt, Ann	10/7/2025	202.80	RCSR response and Amendments to JARPA update.
* 417067	Boeholt, Ann	10/8/2025	33.80	Review submitted JARPA update and final RCSR form
* 417067	Boeholt, Ann	10/10/2025	67.60	Investigation mitigation requirements.
* 417067	Boeholt, Ann	10/13/2025	67.60	Mitigation Calculations
* 417067	Boeholt, Ann	10/16/2025	67.60	Coordinate with HNTB reviewer regarding latest round of comments/responses on JARPA update and WSAR Amendment.

Phase Number: 00034 WSAR

4,562.01

Principal:	% Complete:	Direct Labor:
Project Manager: Joshua Earl	Labor % Complete:	Direct Expense:
Client: WSDOT	Expense % Complete:	Direct Consultant:
Organization: 01:W:ON:SE:PJM	Start Date:	Reimbursable Expense:
Status: Active	Complete Date: 12/30/2027	Reimbursable Consultant:
Type: Regular	Unit Table:	Total Fee:
Revenue Method: T_M	Budgeted OH Rate:	Multiplier/Amount:

Labor and Overhead 4,562.01

ON00012 CADD	113.57
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1 Regular	113.57
* 416837 Baker, Nicholas 9/29/2025	113.57
WSAR figure update	
ON00037 Deputy Environmental Compliance Manager	488.36
000000 <Conversion>	488.36
1 Regular	488.36
* 414055 Stewart, Jeffery 7/21/2025	209.30
Wetland 26.55L meeting and drawing revisions	

Update to Wetland and Stream Mitigation report for expanded wetland near North Fork Perry + \$454.28 for CADD support, see sheet 15.

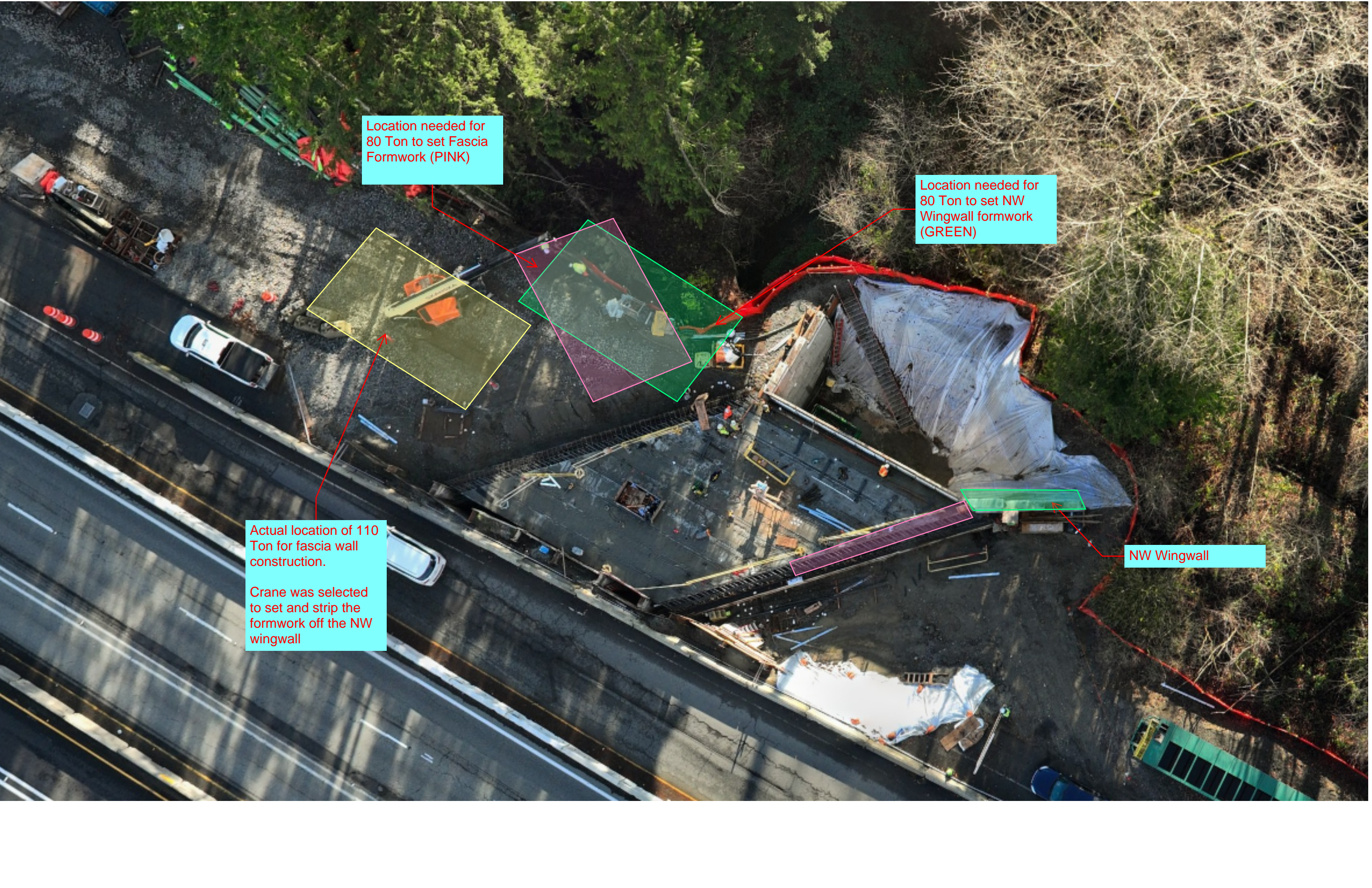


Location needed for 155 Ton (equivalent) Crane to set Headwall Voided Slab

Actual location of 300 Ton Crane for all voided slabs set (Yellow)

Other location needed to set remainder of voided slabs with 155 Ton Equivalent (Green)

Farthest Voided Slab Pick



Location needed for 80 Ton to set Fascia Formwork (PINK)

Location needed for 80 Ton to set NW Wingwall formwork (GREEN)



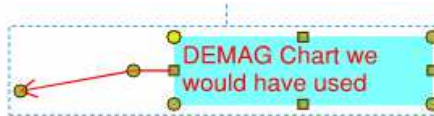
Actual location of 110 Ton for fascia wall construction.
Crane was selected to set and strip the formwork off the NW wingwall

NW Wingwall

Planned						Actual Because of Wetland Impact					
Description	WHY	RATE	UOM	QTY	\$\$\$\$	Description	WHY	RATE	UOM	QTY	\$\$\$\$
Grove 80 Ton Crane Operator	Rebar and Formwork Operator (IAAA)	\$ 11,000.00	MONTH	3	\$ 33,000.00	Kobelco 110 Ton Crane Operator	Operator (IAAA)	\$ 91.76	HR	480	\$ 44,044.80
-						Oiler	Any Crane over 100 Tons must have an oiler (union rules), Apprene	\$ 82.81	HR	480	\$ 39,748.80
-						Kobelco 110 MOB AND DEMOB Kobelco 110 A/D		\$ 17,800.00	EA	2	\$ 35,600.00
								\$ 5,280.00	EA	2	\$ 10,560.00
280 Ton Demag AC615S (Derated to a 160 Ton Rig)	By only bring 88,000lbs of counterweight it greatly reduces trucking costs, thus letting Barnhart hold their 155 Ton Rates				\$ -	GMK5250L (300 Ton Rig) Barnhart let us use their 300 ton rig for a 280 ton price	Because we couldn't impact the new found wetland, we couldn't build a crane pad close enough to the wing wall, to set the first voided slab, thus increasing our radius thus increasing our crane size				\$ -
155 Ton A/D Rate		\$ 6,485.00	EA	1	\$ 6,485.00	280 Ton A/D Rate		\$ 10,785.00	EA	1	\$ 10,785.00
155 Ton Hourly Operating Cost		\$ 515.00	HR	8	\$ 4,120.00	280 Ton Hourly Operating Cost		\$ 635.00	HR	8	\$ 5,080.00
155 Ton Hourly O/T Cost		\$ 645.00	HR	0	\$ -	280 Ton Hourly O/T Cost		\$ 755.00	HR	0	\$ -
155 Ton Hourly D/T Cost		\$ 775.00	HR	0	\$ -	280 Ton Hourly D/T Cost		\$ 895.00	HR	0	\$ -
Highway Permit		\$ 195.00	EA	1	\$ 195.00	Highway Permit		\$ 300.00	EA	1	\$ 300.00
4% Fuel Cost		4%	EA	\$ 10,800.00	\$ 432.00	4% Fuel Cost		4%	EA	\$ 16,165.00	\$ 646.60
TOTAL					\$ 88,276.80						\$ 212,765.20

DELTA \$ (124,488.40)

Lifting capacities main boom in 1,000 lb



88,000 lb 

360°  85 %

Radius	Main boom (ft)								Radius
	44.0	74.0	90.0	105.0	120.0	135.0	150.0	165.0	
ft	lb	lb	lb	lb	lb	lb	lb	lb	ft
9	450.0**	—	—	—	—	—	—	—	9
10	423.2**	—	—	—	—	—	—	—	10
11	377.0*	—	—	—	—	—	—	—	11
13	344.4*	300.0*	—	—	—	—	—	—	13
15	313.0*	299.8*	—	—	—	—	—	—	15
16	288.0*	277.7*	263.0*	—	—	—	—	—	16
19	246.9	244.7	244.7	200.0	—	—	—	—	19
23	211.6	210.0	209.8	187.4	150.0	—	—	—	23
26	184.0	182.3	182.0	176.1	142.4	120.0	—	—	26
29	161.1	159.6	158.9	162.2	132.2	114.8	95.0	—	29
33	141.9	140.2	140.0	143.0	122.3	109.7	89.9	71.0	33
39	—	112.0	111.7	114.6	102.2	96.1	83.5	69.0	39
46	—	89.2	88.8	92.6	88.6	83.5	76.0	67.4	46
52	—	71.4	70.7	74.0	71.4	74.0	68.5	61.0	52
59	—	58.4	57.7	61.0	58.4	60.8	62.4	54.9	59
65	—	—	48.0	51.1	48.2	50.9	52.9	48.7	65
72	—	—	40.5	43.4	40.5	43.2	45.2	44.3	72
78	—	—	—	37.4	34.4	36.8	38.5	38.1	78
85	—	—	—	32.1	29.1	31.5	33.7	32.8	85
92	—	—	—	27.7	24.7	27.1	29.1	28.4	92
98	—	—	—	—	20.9	23.1	25.1	24.4	98
105	—	—	—	—	17.6	19.8	21.8	21.1	105
111	—	—	—	—	—	17.2	18.9	18.0	111
118	—	—	—	—	—	14.5	16.3	15.6	118
124	—	—	—	—	—	—	14.3	13.4	124
131	—	—	—	—	—	—	12.3	11.6	131
138	—	—	—	—	—	—	—	9.9	138
144	—	—	—	—	—	—	—	8.3	144

Boom extension sequence

%

Tele	0	50	50	50	84	84	84	100
Tele 1	0	50	50	50	84	84	84	100
Tele 2	0	0	50	50	84	84	84	100
Tele 3	0	50	50	50	84	84	84	100
Tele 4	0	0	0	50	0	50	100	100

* with "heavy-lift" accessoires
 ** 2 x 10³ over rear or over side

Load charts

Main boom

USE THIS CHART
FOR VOIDED SLAB
PICK

13.3 m - 70.0 m (44 ft - 229.7 ft) 7.8 m (25.6 ft) 360° 80 t (176,300 lb)

Pounds x 1000

Feet	43.5	60.9	77.4	93.6	109.9	124.5	138.8	149.1	160.2	171.8	184.4	198.3	212.0	219.4	229.7	Feet
8.0	600.0*															8.0
9.0	382.0															9.0
10.0	360.0	322.0	294.0													10.0
15.0	284.0	284.0	254.0	220.0	139.0											15.0
20.0	232.0	232.0	228.0	199.0	165.0	130.0	111.0									20.0
25.0	195.0	196.0	192.0	176.0	154.0	129.0	111.0	97.0								25.0
30.0	166.0	167.0	164.0	156.0	138.0	122.0	108.0	96.0	82.0	68.0	40.8					30.0
35.0	40.8	144.0	141.0	140.0	124.0	113.0	102.0	91.0	80.0	68.0	57.0	47.0				35.0
40.0		126.0	123.0	125.0	112.0	103.0	95.0	84.0	76.0	68.0	57.0	47.0	40.0	35.0	32.0	40.0
45.0		109.0	108.0	110.0	102.0	95.0	89.0	77.0	72.0	66.0	57.0	47.0	40.0	35.0	32.0	45.0
50.0		78.0	98.0	96.0	93.0	87.0	81.0	71.0	67.0	62.0	56.0	47.0	40.0	35.0	32.0	50.0
55.0		87.0	86.0	85.0	80.0	78.0	78.0	65.0	62.0	59.0	54.0	47.0	40.0	35.0	32.0	55.0
60.0		78.0	76.0	78.0	74.0	73.0	63.0	57.0	55.0	51.0	45.0	39.6	35.0	32.0		60.0
65.0		62.0	69.0	70.0	68.0	68.0	63.0	55.0	53.0	52.0	48.0	43.4	38.4	34.8	32.0	65.0
70.0			63.0	64.0	64.0	63.0	51.0	49.0	48.0	45.0	41.6	37.0	34.2	31.8		70.0
75.0			59.0	58.0	60.0	59.0	47.0	45.0	45.0	43.0	39.8	35.6	33.2	31.8		75.0
80.0			49.0	53.0	55.0	55.0	43.4	41.8	42.0	40.4	37.8	34.2	32.0	31.4		80.0
85.0				5.2	49.0	51.0	52.0	40.4	38.8	39.4	37.6	36.0	33.0	30.6	30.2	85.0
90.0					45.0	46.0	48.0	38.0	36.4	37.0	35.4	34.2	31.8	29.4	28.8	90.0
95.0					40.0	42.4	44.0	35.6	34.0	34.8	33.2	32.4	30.6	28.0	27.6	95.0
100.0					35.8	39.0	40.8	33.2	31.8	32.6	31.2	30.6	29.4	26.8	26.4	100.0
105.0						36.0	37.8	31.4	30.0	30.6	29.4	29.0	28.2	25.8	25.2	105.0
110.0						31.8	35.0	29.4	28.2	28.8	27.4	27.4	26.8	24.6	24.0	110.0
115.0						16.4	32.4	27.8	26.4	27.2	25.8	25.8	25.6	23.4	22.8	115.0
120.0							30.2	26.2	24.8	25.6	24.4	24.4	24.2	22.4	21.4	120.0
125.0							25.6	24.6	23.2	24.0	22.8	22.8	23.0	21.6	20.4	125.0
130.0								2.4	23.0	21.8	22.4	21.2	21.4	21.6	20.8	130.0
135.0									21.0	20.4	21.2	20.0	20.2	20.4	20.0	135.0
140.0									13.0	19.4	20.2	19.0	19.2	19.4	19.2	140.0
145.0										18.2	19.0	17.8	18.0	18.4	16.8	145.0
150.0										12.0	18.2	17.0	17.4	17.6	16.0	150.0
155.0											17.4	16.2	16.6	16.8	15.4	155.0
160.0											16.8	15.2	16.0	15.8	14.6	160.0
165.0											16.0	14.4	15.2	15.0	13.8	165.0
170.0												12.8	14.6	14.4	13.2	170.0
175.0												3.6	14.0	13.6	12.6	175.0
180.0													13.4	12.8	13.0	180.0
185.0													13.0	12.2	12.4	185.0
190.0													8.4	11.6	11.8	190.0
195.0														11.0	11.2	195.0
200.0														9.8	10.6	200.0
205.0														5.0	8.0	205.0
210.0															9.0	210.0
215.0															6.4	215.0

* Over max with special equipment

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.
The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane