

FILE NAME T:\412348\XL4359\CAD\Environmental Permit Sheets\XL4359 Sensitive Area Impacts Exhibit.dgn									
TIME	8:28:00 AM					REGION NO.	STATE	FED.AID PROJ.NO.	
DATE	5/14/2018					10	WASH		
PLOTTED BY	labollt					JOB NUMBER			
DESIGNED BY									
ENTERED BY						CONTRACT NO.		LOCATION NO.	
CHECKED BY									
PROJ. ENGR.									
REGIONAL ADM.		REVISION			DATE	BY			

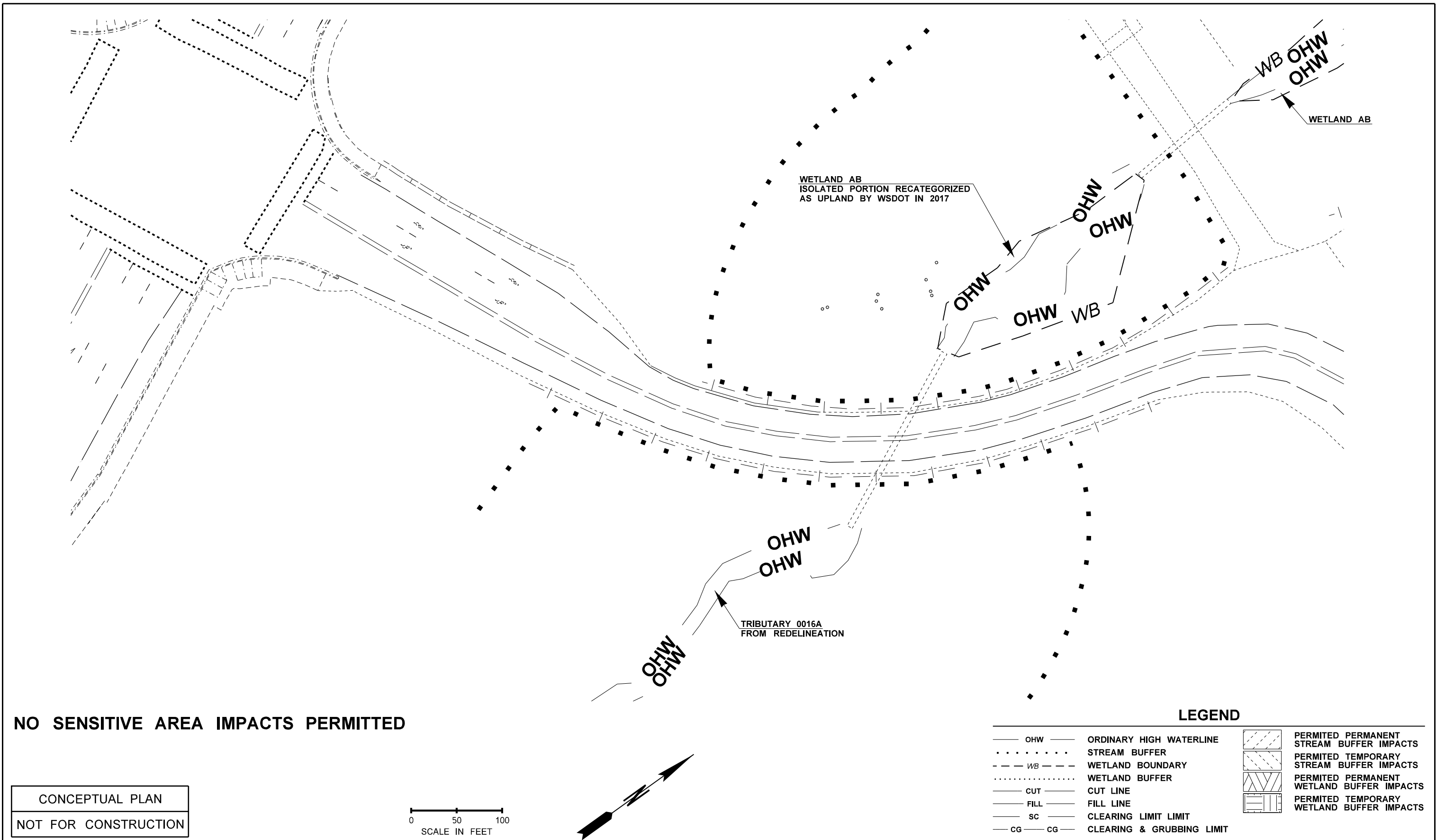


**Washington State
Department of Transportation**


**I-5/SR 161/SR 18
INTERCHANGE IMPROVEMENTS
STAGE 2**


SENSITIVE AREA IMPACTS

Plot 21
AN REF NO
VM1
SHEET
1
OF
21
SHEETS

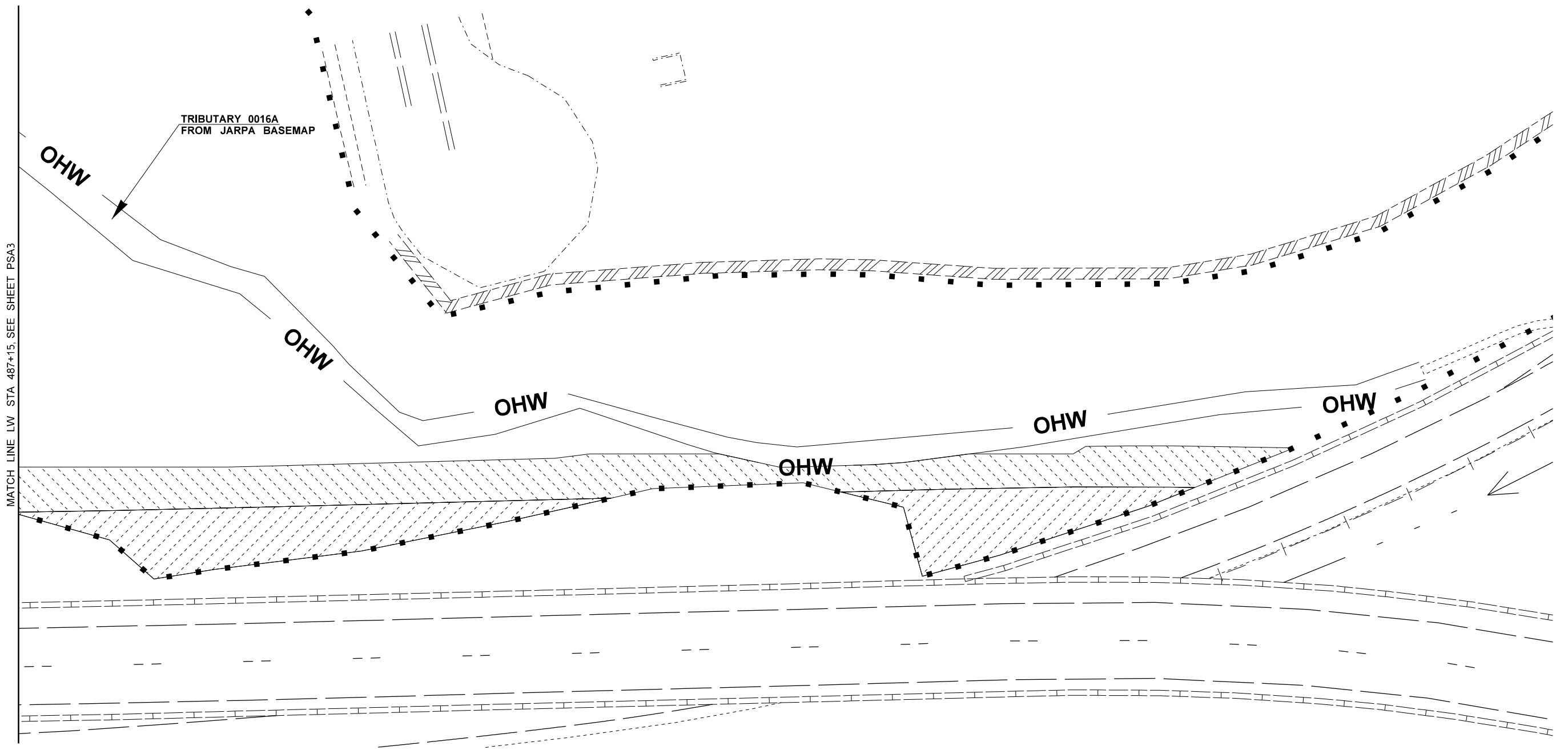


FILE NAME T:\412348\XL4359\CAD\Environmental Permit Sheets\XL4359 Sensitive Area Impacts Exhibit.dgn										Plot 1	
TIME 8:26:48 AM					REGION NO.	STATE	FED.AID PROJ.NO.			PLAN REF NO	
DATE 5/14/2018					10	WASH				PSA1	
PLOTTED BY labolt					JOB NUMBER						
DESIGNED BY T. LA BOLLE					CONTRACT NO.		LOCATION NO.			SHEET 2 OF 21 SHEETS	
ENTERED BY T. LA BOLLE											
CHECKED BY J. LARSON											
PROJ. ENGR. H. HUYNH											
REGIONAL ADM. L. ENG		REVISION		DATE	BY	PERMITTED SENSITIVE AREA IMPACTS					

 Washington State Department of Transportation	
DATE _____ P.E. STAMP BOX	

 Washington State Department of Transportation	
DATE _____ P.E. STAMP BOX	

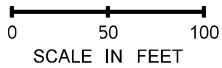
I-5/SR 161/SR 18 INTERCHANGE IMPROVEMENTS STAGE 2	
PERMITTED SENSITIVE AREA IMPACTS	



STREAM	PERMITTED TEMPORARY STREAM BUFFER IMPACTS	PERMITTED PERMANENT STREAM BUFFER IMPACTS
0016A	7,189 SF (0.17 AC)	4,765 SF (0.11 AC)

CONCEPTUAL PLAN

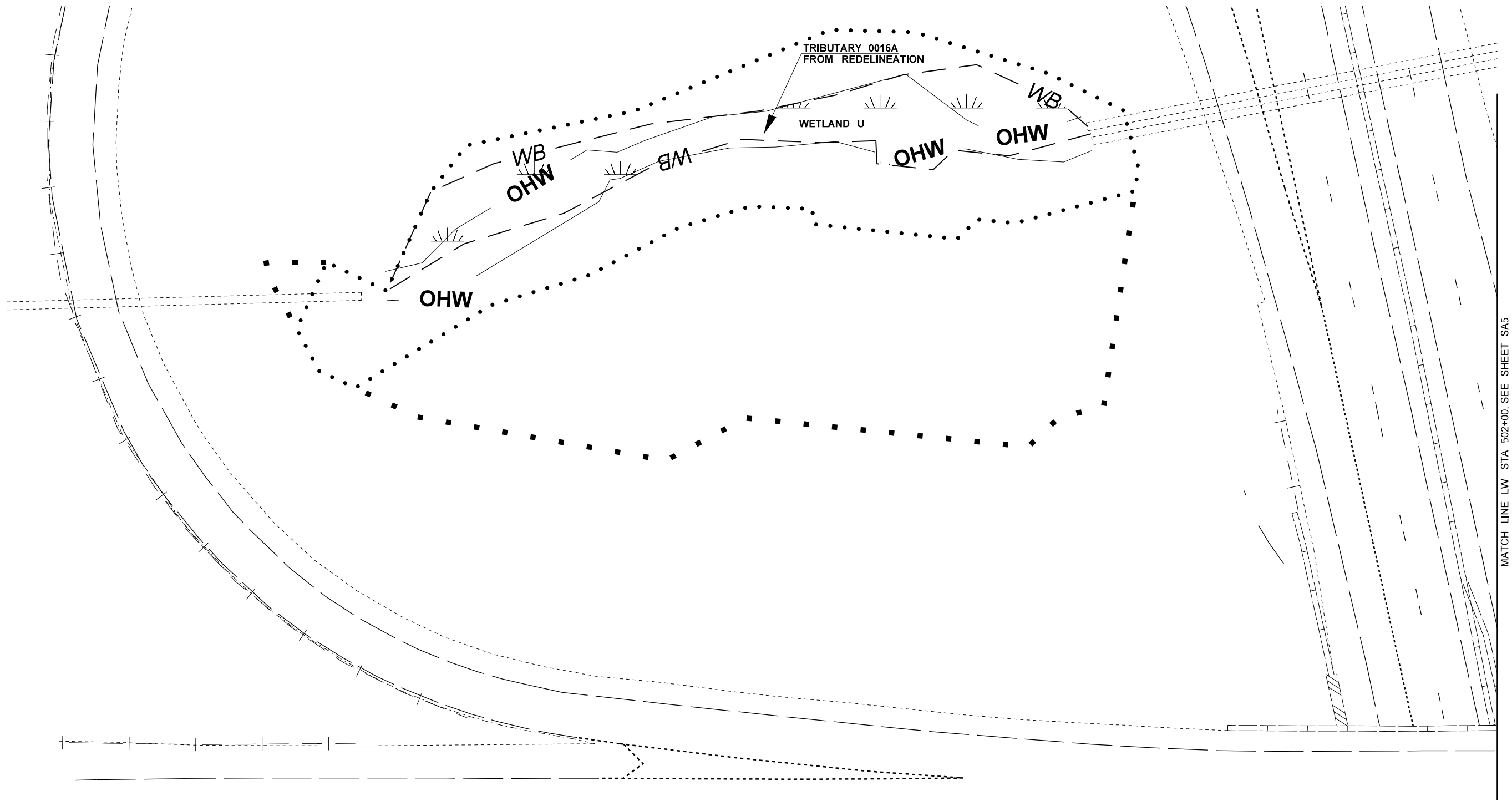
NOT FOR CONSTRUCTION



LEGEND

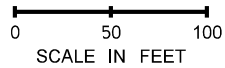
— OHW —	ORDINARY HIGH WATERLINE		PERMITTED PERMANENT STREAM BUFFER IMPACTS
.....	STREAM BUFFER		PERMITTED TEMPORARY STREAM BUFFER IMPACTS
- - - WB - - -	WETLAND BOUNDARY		PERMITTED PERMANENT WETLAND BUFFER IMPACTS
.....	WETLAND BUFFER		PERMITTED TEMPORARY WETLAND BUFFER IMPACTS
— CUT —	CUT LINE		
— FILL —	FILL LINE		
— SC —	CLEARING LIMIT LIMIT		
— CG — CG —	CLEARING & GRUBBING LIMIT		

FILE NAME		T:\412348\XL4359\ICAD\Environmental Permit Sheets\XL4359 Sensitive Area Impacts Exhibit.dgn				REGION NO. STATE		FED.AID PROJ.NO.				Washington State Department of Transportation	I-5/SR 161/SR 18 INTERCHANGE IMPROVEMENTS STAGE 2		Plot 4
TIME	8:27:03 AM														PLAN REF NO
DATE	5/14/2018					10	WASH								PSA4
PLOTTED BY	labolt					JOB NUMBER									
DESIGNED BY	T. LA BOLLE					CONTRACT NO.		LOCATION NO.							
ENTERED BY	T. LA BOLLE														
CHECKED BY	J. LARSON														
PROJ. ENGR.	H. HUYNH														
REGIONAL ADM.	L. ENG														
		REVISION	DATE	BY						P.E. STAMP BOX	DATE			PERMITTED SENSITIVE AREA IMPACTS	
														SHEET 5 OF 21 SHEETS	




MATCH LINE LW STA 502+00. SEE SHEET SA5

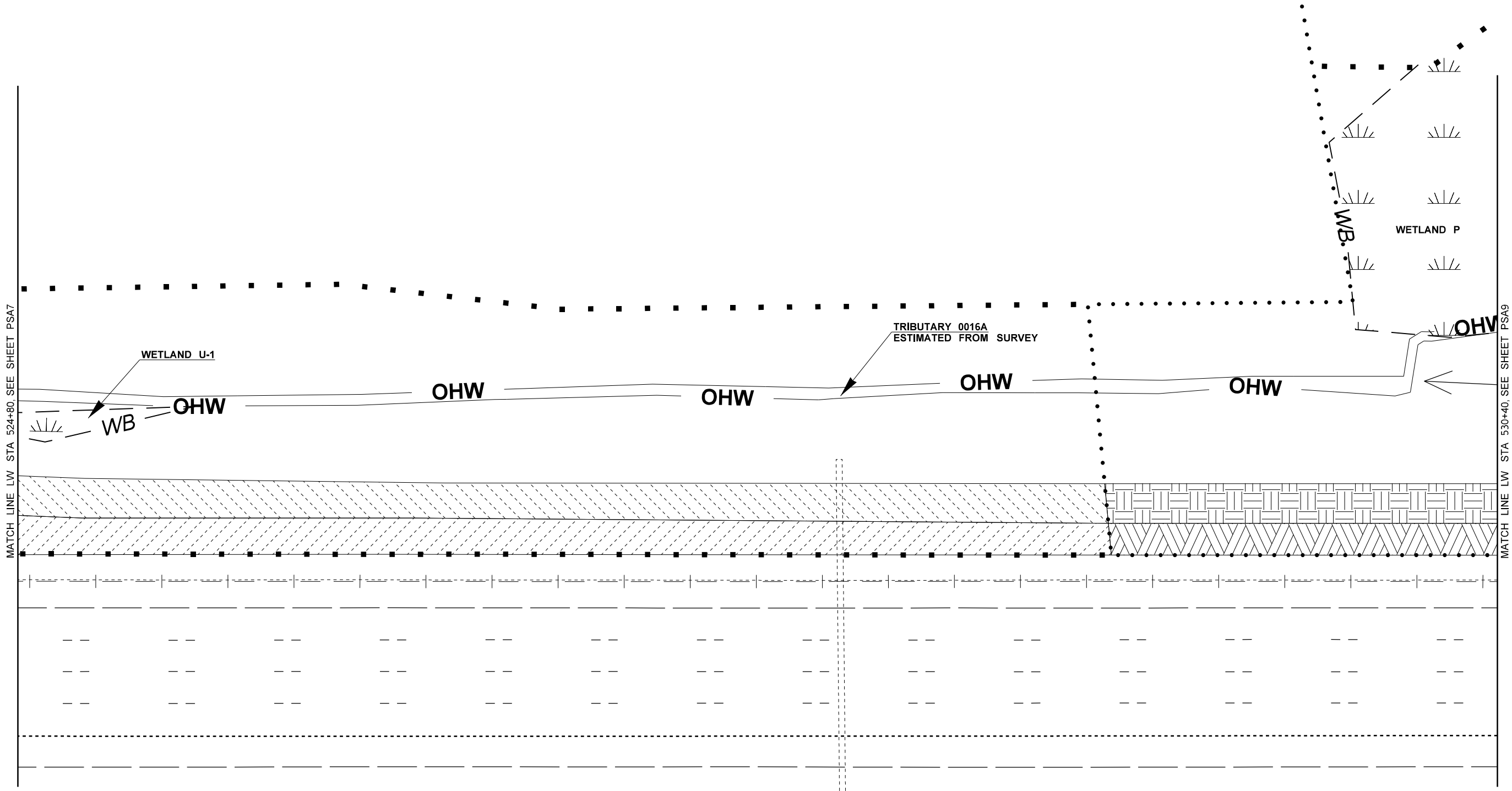
NO IMPACTS IN STAGE 2
CONCEPTUAL PLAN
NOT FOR CONSTRUCTION



LEGEND

— OHW —	ORDINARY HIGH WATERLINE		PERMITTED PERMANENT STREAM BUFFER IMPACTS
.....	STREAM BUFFER		PERMITTED TEMPORARY STREAM BUFFER IMPACTS
- - - WB - - -	WETLAND BOUNDARY		PERMITTED PERMANENT WETLAND BUFFER IMPACTS
.....	WETLAND BUFFER		PERMITTED TEMPORARY WETLAND BUFFER IMPACTS
— CUT —	CUT LINE		
— FILL —	FILL LINE		
— SC —	CLEARING LIMIT LIMIT		
— CG — CG —	CLEARING & GRUBBING LIMIT		

FILE NAME T:\412348\XL4359\CAD\Environmental Permit Sheets\XL4359 Sensitive Area Impacts Exhibit.dgn																I-5/SR 161/SR 18 INTERCHANGE IMPROVEMENTS STAGE 2		Plot 5	
TIME 8:27:06 AM					REGION NO. 10	STATE WASH	FED.AID PROJ.NO.								PLAN REF NO PSA5				
DATE 5/14/2018																			
PLOTTED BY labolt					JOB NUMBER														
DESIGNED BY T. LA BOLLE					CONTRACT NO.		LOCATION NO.												
ENTERED BY T. LA BOLLE																			
CHECKED BY J. LARSON																			
PROJ. ENGR. H. HUYNH																			
REGIONAL ADM. L. ENG																			
				REVISION		DATE		BY										SHEET 6 OF 21 SHEETS	
										DATE		DATE							
										P.E. STAMP BOX		P.E. STAMP BOX							

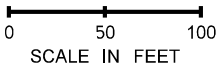


STREAM	PERMITTED TEMPORARY STREAM BUFFER IMPACTS	PERMITTED PERMANENT STREAM BUFFER IMPACTS
0016A	5,856 SF (0.13 AC)	5,480 SF (0.12 AC)


WETLAND	PERMITTED TEMPORARY WETLAND BUFFER IMPACTS	PERMITTED PERMANENT WETLAND BUFFER IMPACTS
P	2,219 SF (0.05 AC)	1,769 SF (0.04 AC)

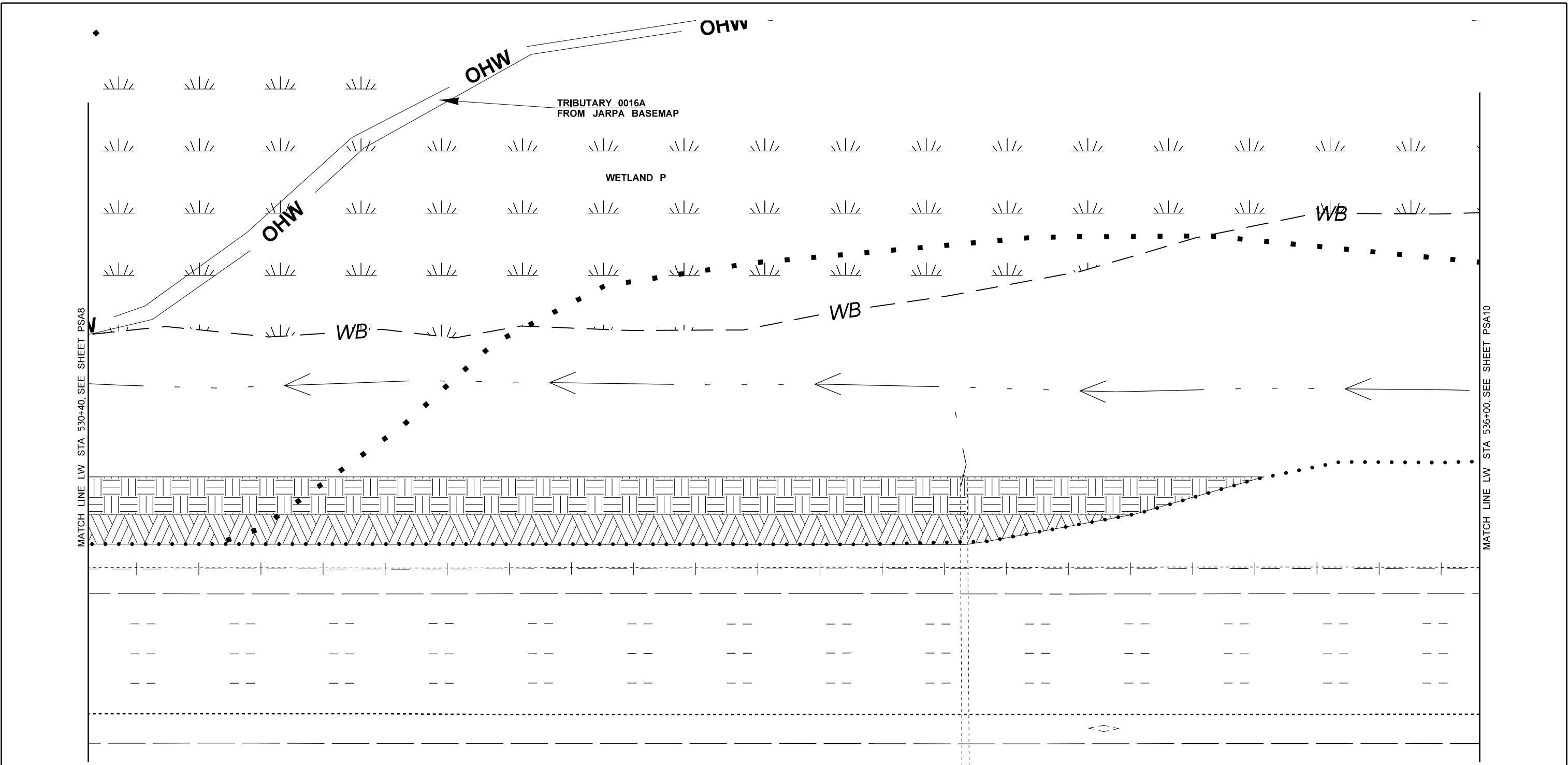
CONCEPTUAL PLAN

NOT FOR CONSTRUCTION



LEGEND			
	OHW		ORDINARY HIGH WATERLINE
			STREAM BUFFER
	WB		WETLAND BOUNDARY
			WETLAND BUFFER
	CUT		CUT LINE
	FILL		FILL LINE
	SC		CLEARING LIMIT LIMIT
	CG		CLEARING & GRUBBING LIMIT
			PERMITTED PERMANENT STREAM BUFFER IMPACTS
			PERMITTED TEMPORARY STREAM BUFFER IMPACTS
			PERMITTED PERMANENT WETLAND BUFFER IMPACTS
			PERMITTED TEMPORARY WETLAND BUFFER IMPACTS

FILE NAME										T:\412348\XL4359\CAD\Environmental Permit Sheets\XL4359 Sensitive Area Impacts Exhibit.dgn																				Plot 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Washington State Department of Transportation										I-5/SR 161/SR 18 INTERCHANGE IMPROVEMENTS STAGE 2										PLAN REF 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WETLAND	PERMITTED TEMPORARY WETLAND BUFFER IMPACTS	PERMITTED PERMANENT WETLAND BUFFER IMPACTS
P	6,707 SF (0.15 AC)	4,710 SF (0.11 AC)

CONCEPTUAL PLAN

NOT FOR CONSTRUCTION

0 50 100
SCALE IN FEET



LEGEND

— OHW —	ORDINARY HIGH WATERLINE		PERMITTED PERMANENT STREAM BUFFER IMPACTS
.....	STREAM BUFFER		PERMITTED TEMPORARY STREAM BUFFER IMPACTS
- - - WB - - -	WETLAND BOUNDARY		PERMITTED PERMANENT WETLAND BUFFER IMPACTS
.....	WETLAND BUFFER		PERMITTED TEMPORARY WETLAND BUFFER IMPACTS
— CUT —	CUT LINE		
— FILL —	FILL LINE		
— SC —	CLEARING LIMIT LIMIT		
— CG — CG —	CLEARING & GRUBBING LIMIT		

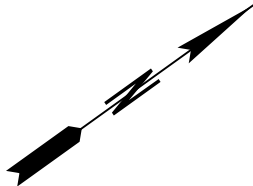
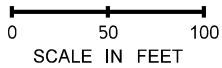
FILE NAME T:\412348\XL4359\CAD\Environmental Permit Sheets\XL4359 Sensitive Area Impacts Exhibit.dgn										Plot 9
TIME 8:27:19 AM						REGION NO. STATE		FED.AID PROJ.NO.		PLAN REF NO
DATE 5/14/2018						10 WASH				PSA9
PLOTTED BY labolt						JOB NUMBER				
DESIGNED BY T. LA BOLLE						CONTRACT NO.		LOCATION NO.		SHEET 10 OF 21 SHEETS
ENTERED BY T. LA BOLLE										
CHECKED BY J. LARSON										
PROJ. ENGR. H. HUYNH										
REGIONAL ADM. L. ENG		REVISION		DATE		BY				

NEW STREAM AND BUFFER IMPACTS
DUE TO WORK ADDED TO PROJECT

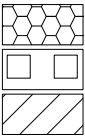
STREAM	NEW PERMANENT STREAM IMPACTS	NEW TEMPORARY STREAM IMPACTS	NEW PERMANENT STREAM BUFFER IMPACTS	NEW LONG-TERM TEMPORARY STREAM BUFFER IMPACTS
0016A	1,593 SF (0.04 AC)	210 SF (0.01 AC)	7,447 SF (0.17 AC)	6,855 SF (0.16 AC)

CONCEPTUAL PLAN

NOT FOR CONSTRUCTION

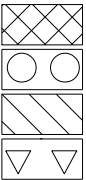


- OHW — ORDINARY HIGH WATERLINE
- STREAM BUFFER
- - - WB - - - WETLAND BOUNDARY
- WETLAND BUFFER



LEGEND

- REVISIED PERMANENT
STREAM IMPACTS
- REVISIED PERMANENT
WETLAND BUFFER IMPACTS
- REVISIED PERMANENT
STREAM BUFFER IMPACTS



- REVISIED TEMPORARY
STREAM IMPACTS
- REVISIED LONG TERM TEMPORARY
WETLAND BUFFER IMPACTS
- REVISIED TEMPORARY
STREAM BUFFER IMPACTS
- REVISIED LONG TERM TEMPORARY
STREAM BUFFER IMPACTS

WETLAND AB
ISOLATED PORTION RECATEGORIZED
AS UPLAND BY WSDOT IN 2017

TRIBUTARY 0016A
FROM REDELINEATION

WB OHW
OHW

WETLAND AB

FILE NAME	T:\412348\XL4359\CAD\Environmental Permit Sheets\XL4359 Sensitive Area Impacts Exhibit.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	8:27:26 AM				10	WASH	
DATE	5/14/2018				JOB NUMBER		
PLOTTED BY	labolt				CONTRACT NO.		
DESIGNED BY					LOCATION NO.		
ENTERED BY							
CHECKED BY							
PROJ. ENGR.							
REGIONAL ADM.							
REVISION		DATE		BY			

P.E. STAMP BOX

DATE

P.E. STAMP BOX

DATE



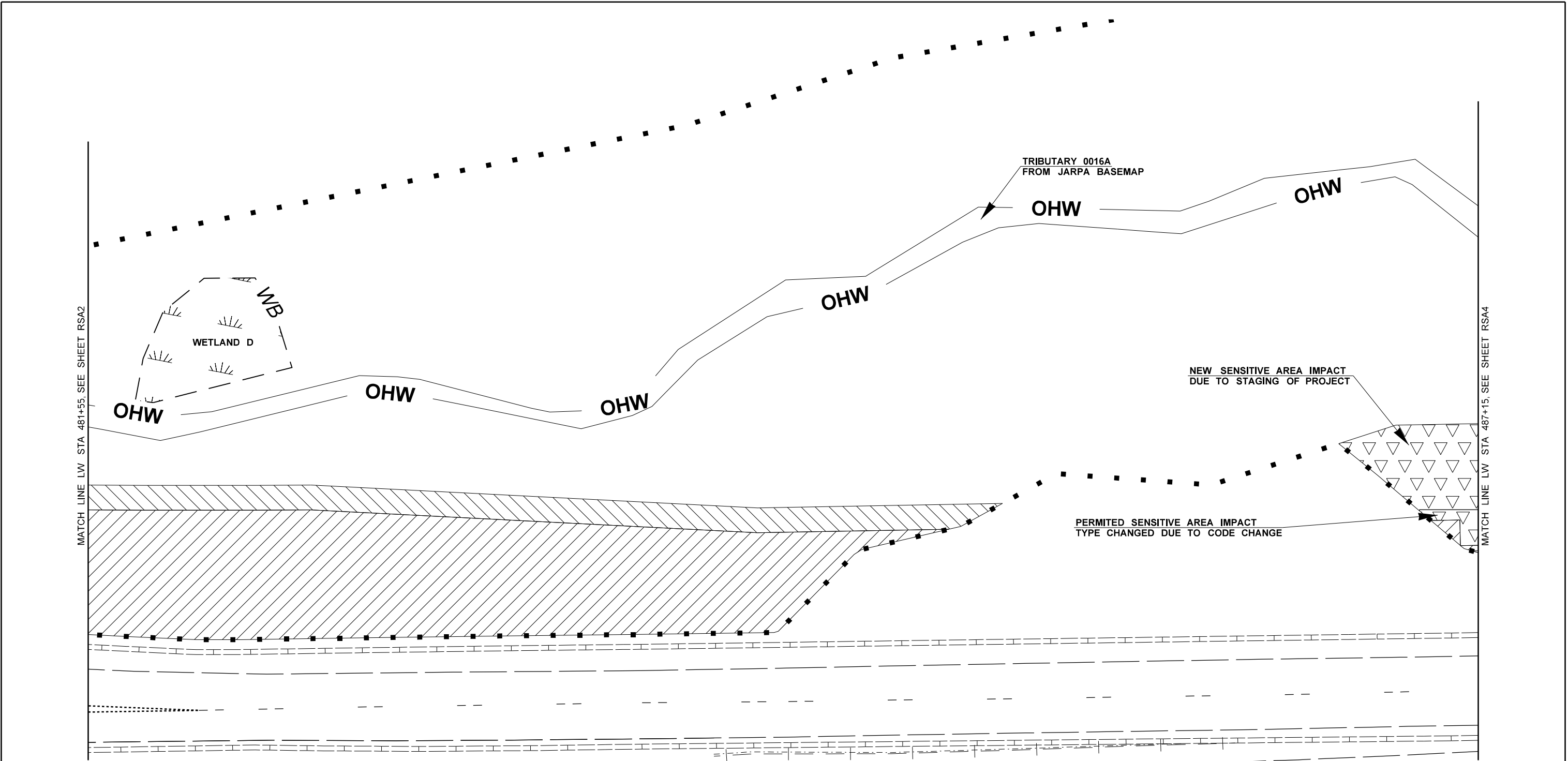
Washington State
Department of Transportation

I-5/SR 161/SR 18
INTERCHANGE IMPROVEMENTS
STAGE 2

REVISED SENSITIVE AREA IMPACTS

PLAN REF NO
RSA1

SHEET
12
OF
21
SHEETS



STREAM	REVISED TEMPORARY STREAM BUFFER IMPACTS	REVISED PERMANENT STREAM BUFFER IMPACTS	REVISED LONG-TERM TEMPORARY STREAM BUFFER IMPACTS	NEW LONG-TERM TEMPORARY STREAM BUFFER IMPACTS
0016A	3,591 SF (0.08 AC)	14,235 SF (0.33 AC)	167 SF (<<0.01 AC)	1,410 SF (0.03 AC)

CONCEPTUAL PLAN

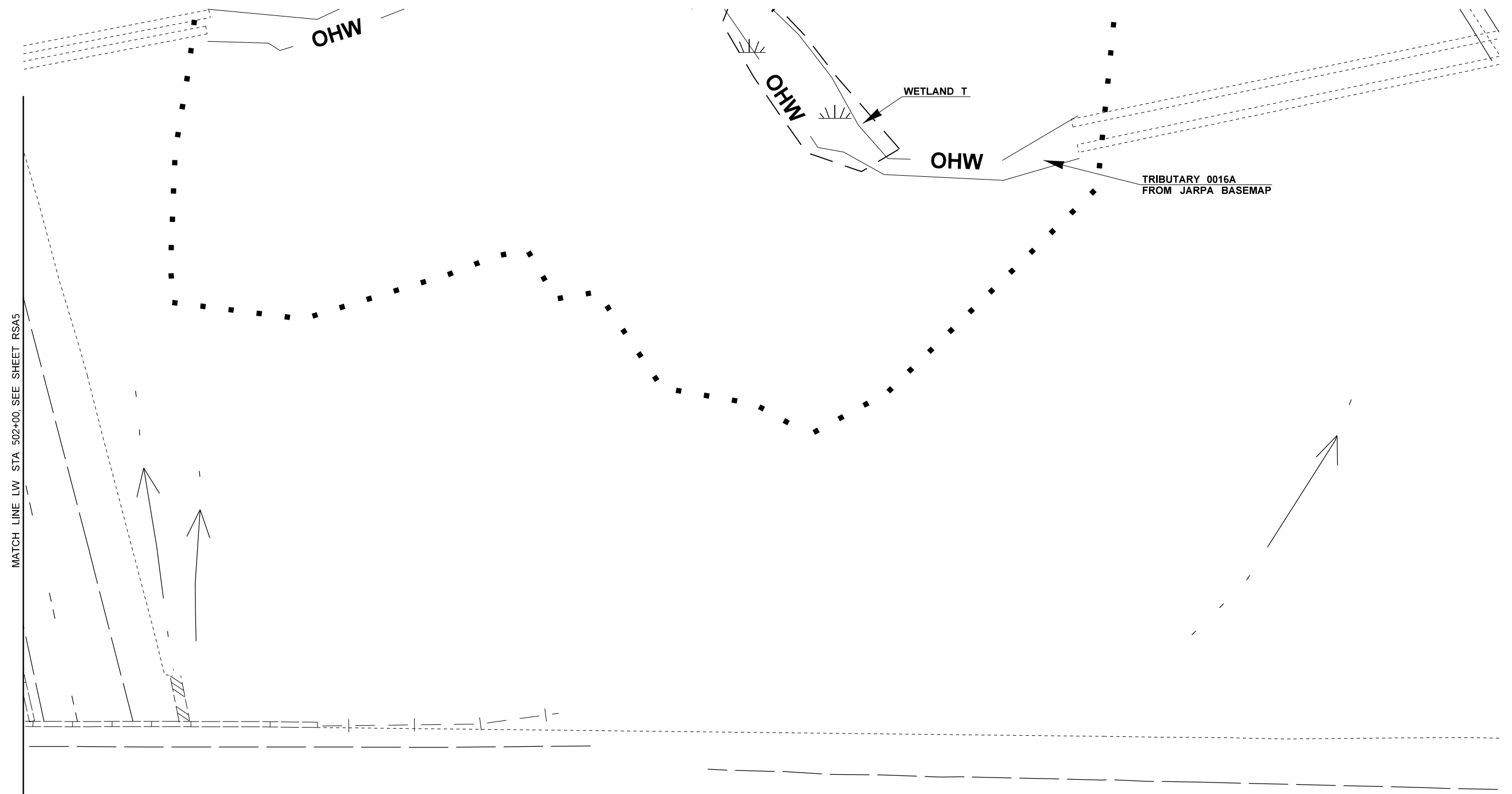
NOT FOR CONSTRUCTION

LEGEND			
— OHW —	ORDINARY HIGH WATERLINE		REVISED TEMPORARY STREAM IMPACTS
.....	STREAM BUFFER		REVISED PERMANENT STREAM BUFFER IMPACTS
- - - WB - - -	WETLAND BOUNDARY		REVISED TEMPORARY STREAM BUFFER IMPACTS
.....	WETLAND BUFFER		REVISED LONG TERM TEMPORARY STREAM BUFFER IMPACTS
			REVISED PERMANENT WETLAND BUFFER IMPACTS
			REVISED LONG TERM TEMPORARY WETLAND BUFFER IMPACTS

FILE NAME T:\412348\XL4359\CAD\Environmental Permit Sheets\XL4359 Sensitive Area Impacts Exhibit.dgn																		Plot 13	
TIME	8:27:32 AM							REGION NO.	STATE	FED.AID PROJ.NO.								PLAN REF NO	
DATE	5/14/2018							10	WASH			RS A3							
PLOTTED BY	labolt							JOB NUMBER										SHEET 14 OF 21 SHEETS	
DESIGNED BY								CONTRACT NO.		LOCATION NO.									
ENTERED BY																			
CHECKED BY																			
PROJ. ENGR.																			
REGIONAL ADM.				REVISION			DATE	BY									REVISED SENSITIVE AREA IMPACTS		
										DATE		DATE							
										P.E. STAMP BOX		P.E. STAMP BOX							

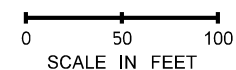


I-5/SR 161/SR 18
INTERCHANGE IMPROVEMENTS
STAGE 2









STREAM BUFFER IMPACTS ELIMINATED


NO IMPACTS IN STAGE 2
CONCEPTUAL PLAN
NOT FOR CONSTRUCTION



LEGEND

— OHW —	ORDINARY HIGH WATERLINE		REVISED TEMPORARY STREAM IMPACTS		REVISED PERMANENT WETLAND BUFFER IMPACTS
· · · · ·	STREAM BUFFER		REVISED PERMANENT STREAM BUFFER IMPACTS		REVISED LONG TERM TEMPORARY WETLAND BUFFER IMPACTS
- - - WB - - -	WETLAND BOUNDARY		REVISED TEMPORARY STREAM BUFFER IMPACTS		
· · · · ·	WETLAND BUFFER		REVISED LONG TERM TEMPORARY STREAM BUFFER IMPACTS		

FILE NAME T:\412348\XL4359\CAD\Environmental Permit Sheets\XL4359 Sensitive Area Impacts Exhibit.dgn										Plot 16	
TIME 8:27:43 AM						REGION NO.		STATE		FED.AID PROJ.NO.	
DATE 5/14/2018						10		WASH			
PLOTTED BY labollt						JOB NUMBER					
DESIGNED BY										LOCATION NO.	
ENTERED BY											
CHECKED BY											
PROJ. ENGR.						CONTRACT NO.					
REGIONAL ADM.		REVISION		DATE		BY				<div> <div>DATE</div> <div>P.E. STAMP BOX</div> </div> <div> <div>DATE</div> <div>P.E. STAMP BOX</div> </div>	



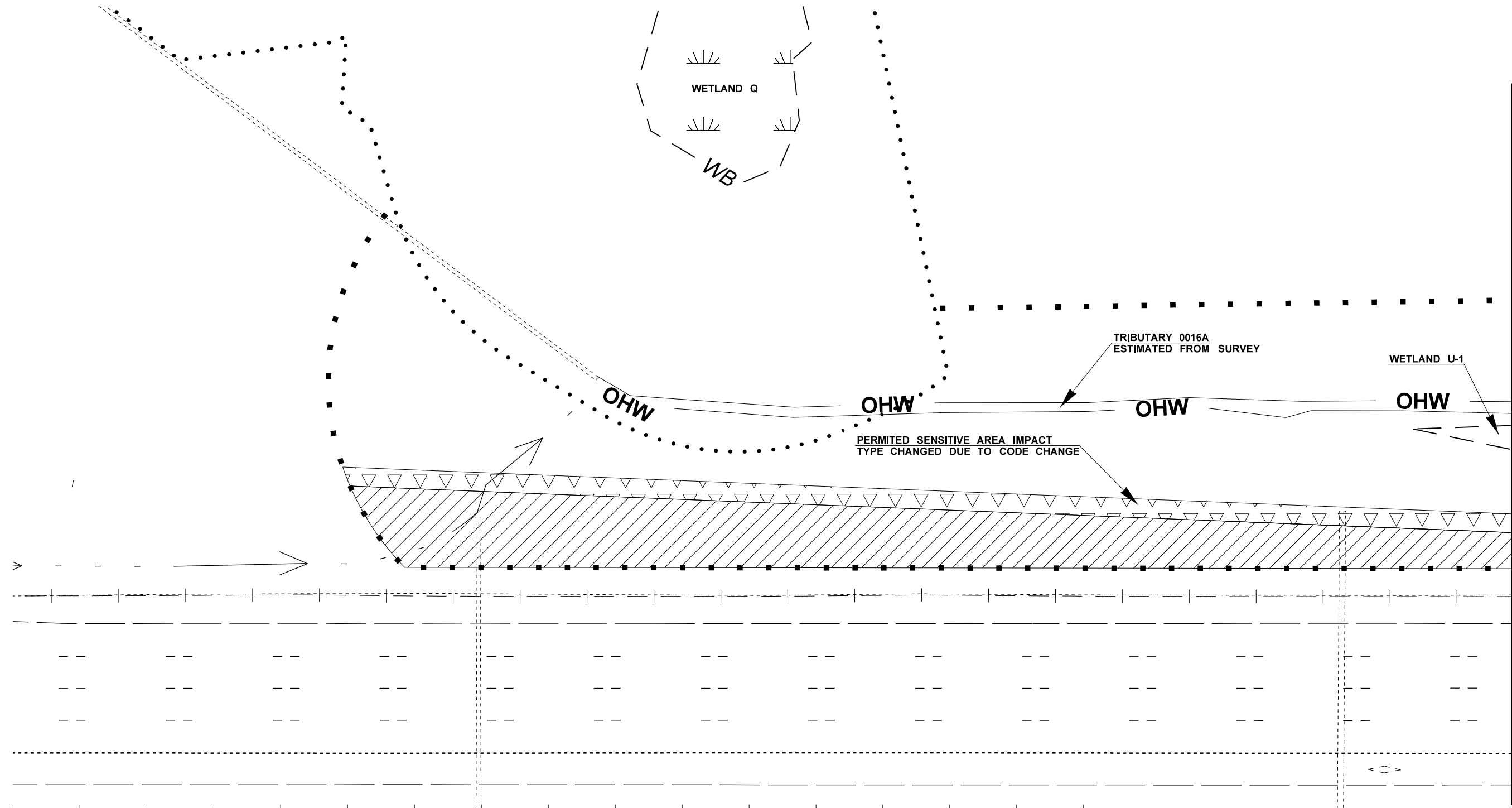
Washington State
Department of Transportation

I-5/SR 161/SR 18
INTERCHANGE IMPROVEMENTS
STAGE 2

REVISED SENSITIVE AREA IMPACTS

PLAN REF NO
RSA6

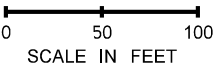
SHEET
17
OF
21
SHEETS



STREAM	REVISED LONG-TERM TEMPORARY STREAM BUFFER IMPACTS	REVISED PERMANENT STREAM BUFFER IMPACTS
0016A	3,051 SF (0.70 AC)	9,249 SF (0.21 AC)

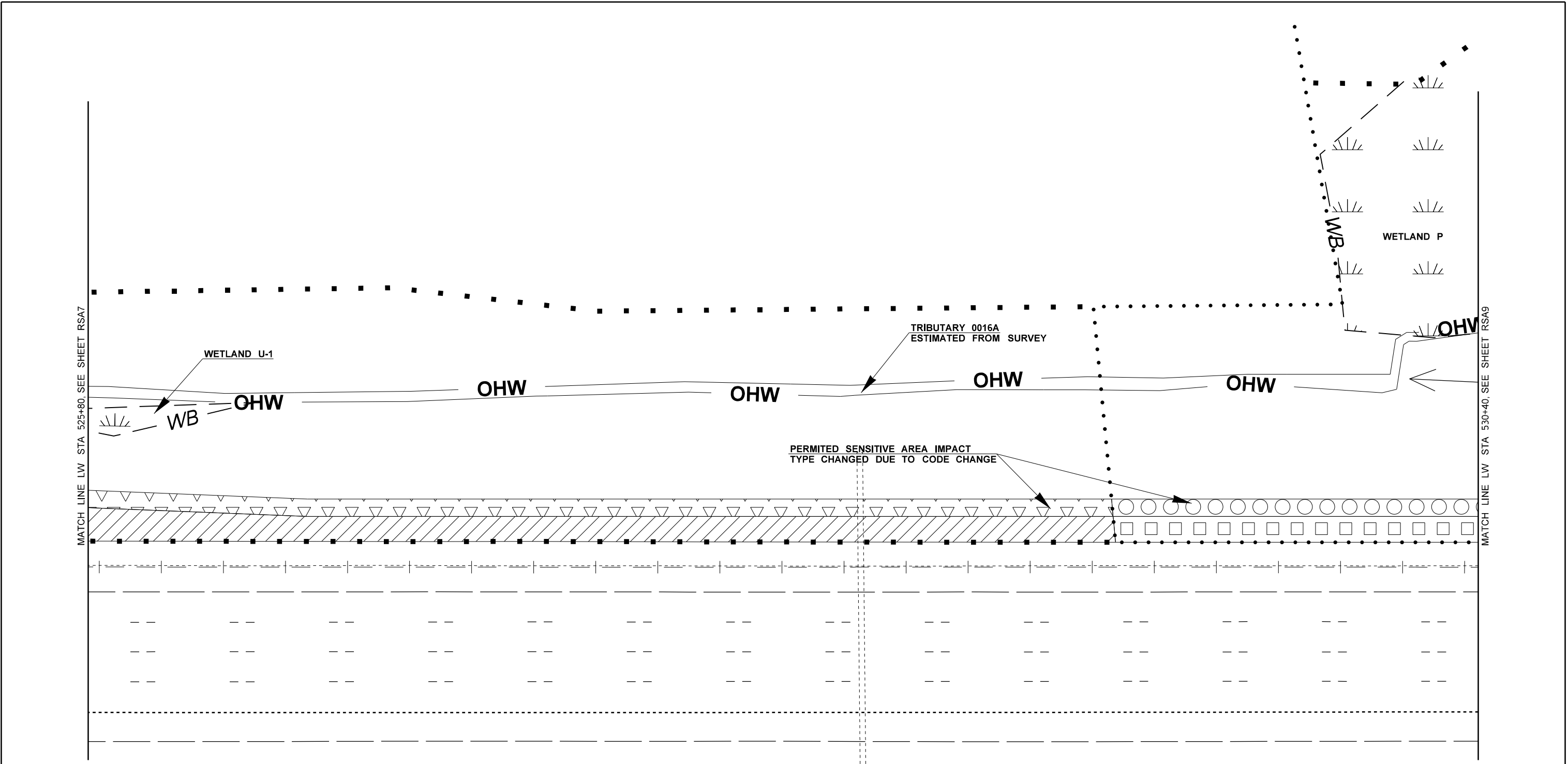
CONCEPTUAL PLAN

NOT FOR CONSTRUCTION



— OHW —	ORDINARY HIGH WATERLINE		REVISED TEMPORARY STREAM IMPACTS		REVISED PERMANENT WETLAND BUFFER IMPACTS
.....	STREAM BUFFER		REVISED PERMANENT STREAM BUFFER IMPACTS		REVISED LONG TERM TEMPORARY WETLAND BUFFER IMPACTS
- - - WB - - -	WETLAND BOUNDARY		REVISED TEMPORARY STREAM BUFFER IMPACTS		
.....	WETLAND BUFFER		REVISED LONG TERM TEMPORARY STREAM BUFFER IMPACTS		

FILE NAME T:\412348\XL4359\CAD\Environmental Permit Sheets\XL4359 Sensitive Area Impacts Exhibit.dgn																		Plot 17	
TIME 8:27:46 AM								REGION NO.		STATE		FED.AID PROJ.NO.						PLAN REF NO	
DATE 5/14/2018								10		WASH				RSA7					
PLOTTED BY labolt								JOB NUMBER				LOCATION NO.						SHEET 18 OF 21 SHEETS	
DESIGNED BY																			
ENTERED BY																			
CHECKED BY																			
PROJ. ENGR.								CONTRACT NO.											
REGIONAL ADM.				REVISION		DATE		BY						DATE		DATE		REVISED SENSITIVE AREA IMPACTS	
														P.E. STAMP BOX		P.E. STAMP BOX			

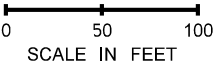


STREAM	REVISED LONG-TERM TEMPORARY STREAM BUFFER IMPACTS	REVISED PERMANENT STREAM BUFFER IMPACTS
0016A	2,889 SF (0.07 AC)	4,378 SF (0.10 AC)

WETLAND	REVISED LONG-TERM TEMPORARY WETLAND BUFFER IMPACTS	REVISED PERMANENT WETLAND BUFFER IMPACTS
P	1,032 SF (0.02 AC)	1,532 SF (0.04 AC)

CONCEPTUAL PLAN

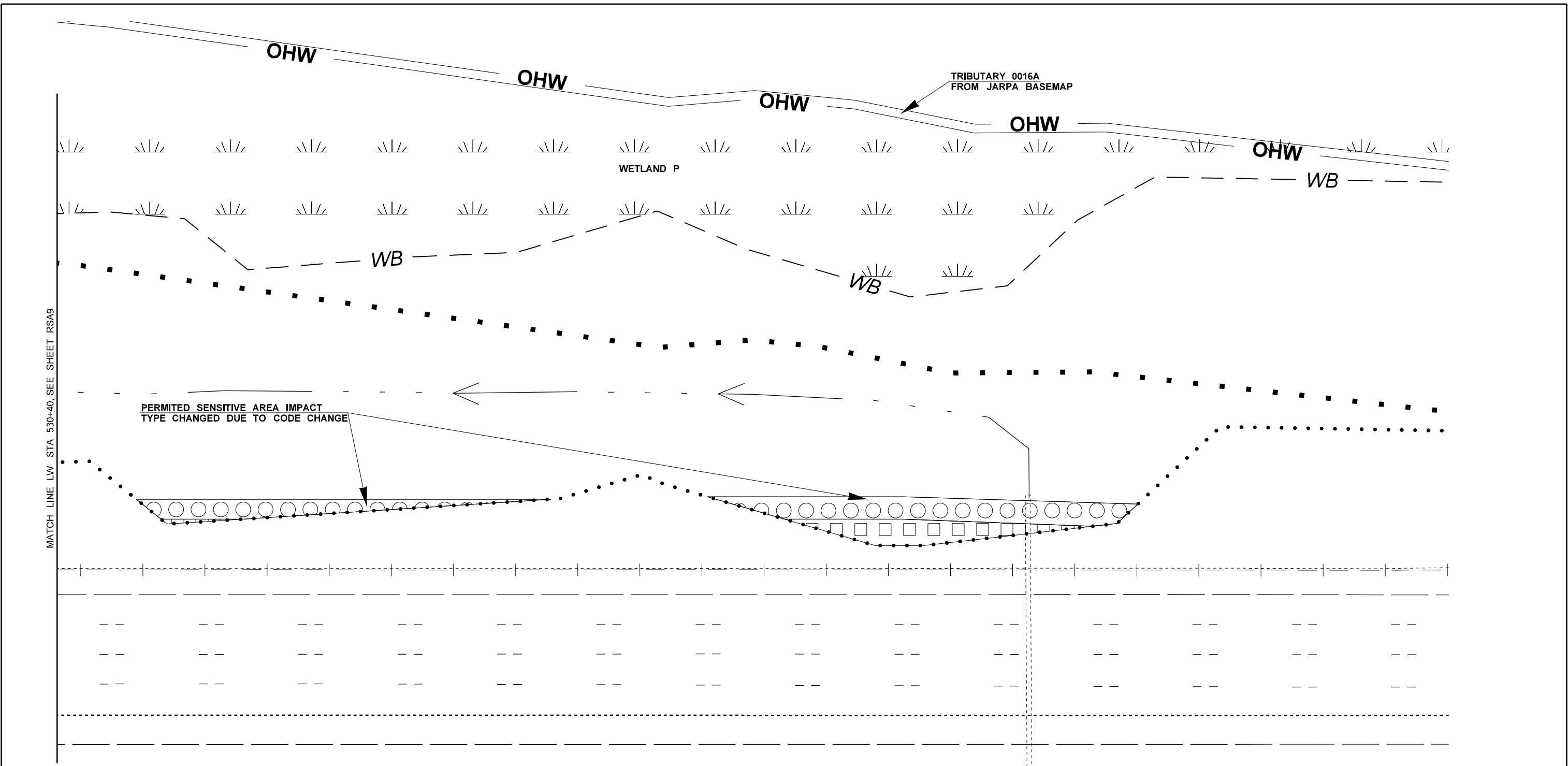
NOT FOR CONSTRUCTION



— OHW —	ORDINARY HIGH WATERLINE		REVISED TEMPORARY STREAM IMPACTS		REVISED PERMANENT WETLAND BUFFER IMPACTS
.....	STREAM BUFFER		REVISED PERMANENT STREAM BUFFER IMPACTS		REVISED LONG TERM TEMPORARY WETLAND BUFFER IMPACTS
- - - WB - - -	WETLAND BOUNDARY		REVISED TEMPORARY STREAM BUFFER IMPACTS		
.....	WETLAND BUFFER		REVISED LONG TERM TEMPORARY STREAM BUFFER IMPACTS		

FILE NAME T:\412348\XL4359\CAD\Environmental Permit Sheets\XL4359 Sensitive Area Impacts Exhibit.dgn				REGION NO. STATE		FED.AID PROJ.NO.						Plot 18	
TIME 8:27:50 AM				10 WASH								PLAN REF NO	
DATE 5/14/2018												SHEET	
PLOTTED BY labolt												19	
DESIGNED BY												OF	
ENTERED BY												21	
CHECKED BY												SHEETS	
PROJ. ENGR.													
REGIONAL ADM.				REVISION		DATE		BY					

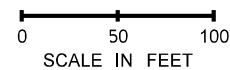
Washington State Department of Transportation		I-5/SR 161/SR 18 INTERCHANGE IMPROVEMENTS STAGE 2		REVISED SENSITIVE AREA IMPACTS	
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WETLAND	REVISED LONG-TERM TEMPORARY WETLAND BUFFER IMPACTS	REVISED PERMANENT WETLAND BUFFER IMPACTS
P	2,195 SF (0.05 AC)	786 SF (0.02 AC)

CONCEPTUAL PLAN

NOT FOR CONSTRUCTION



LEGEND

— OHW —

— WB —

.....

.....

.....

ORDINARY HIGH WATERLINE

WETLAND BOUNDARY

WETLAND BUFFER

WETLAND BUFFER

WETLAND BUFFER

REVISED TEMPORARY STREAM IMPACTS

REVISED PERMANENT STREAM BUFFER IMPACTS

REVISED TEMPORARY STREAM BUFFER IMPACTS

REVISED LONG TERM TEMPORARY STREAM BUFFER IMPACTS

REVISED PERMANENT WETLAND BUFFER IMPACTS

REVISED LONG TERM TEMPORARY WETLAND BUFFER IMPACTS

FILE NAME T:\412348\XL4359\CAD\Environmental Permit Sheets\XL4359 Sensitive Area Impacts Exhibit.dgn				REGION NO. 10		STATE WASH		FED.AID PROJ.NO.		DATE		DATE				I-5/SR 161/SR 18 INTERCHANGE IMPROVEMENTS STAGE 2		Plot 19 PLAN REF NO RSA10	
TIME 8:27:56 AM																		SHEET 21 OF 21 SHEETS	
DATE 5/14/2018																			
PLOTTED BY labolt																			
DESIGNED BY																			
ENTERED BY																			
CHECKED BY																			
PROJ. ENGR.																			
REGIONAL ADM.				REVISION		DATE		BY											