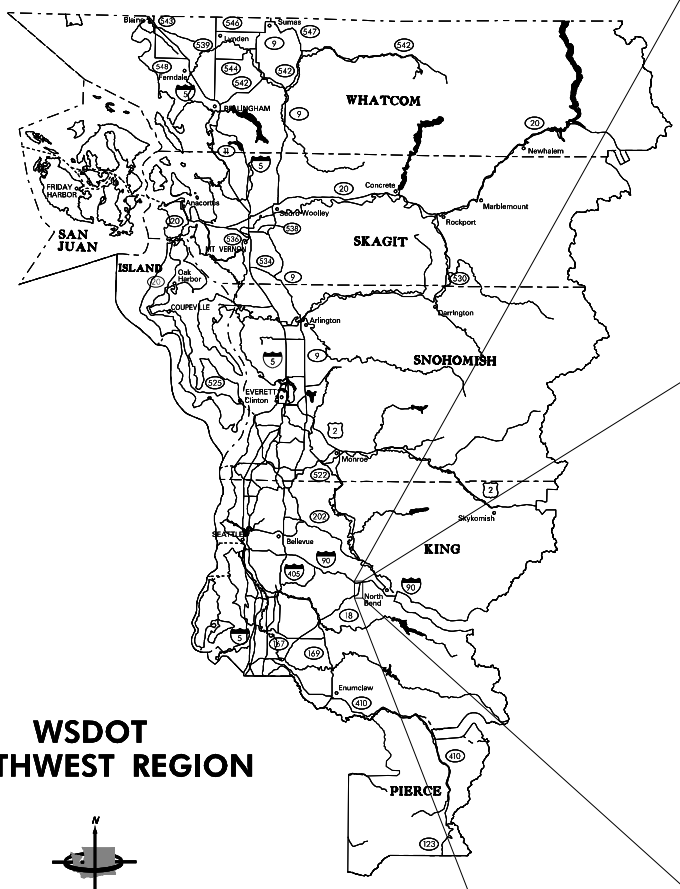
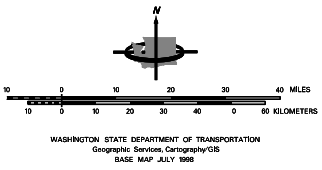
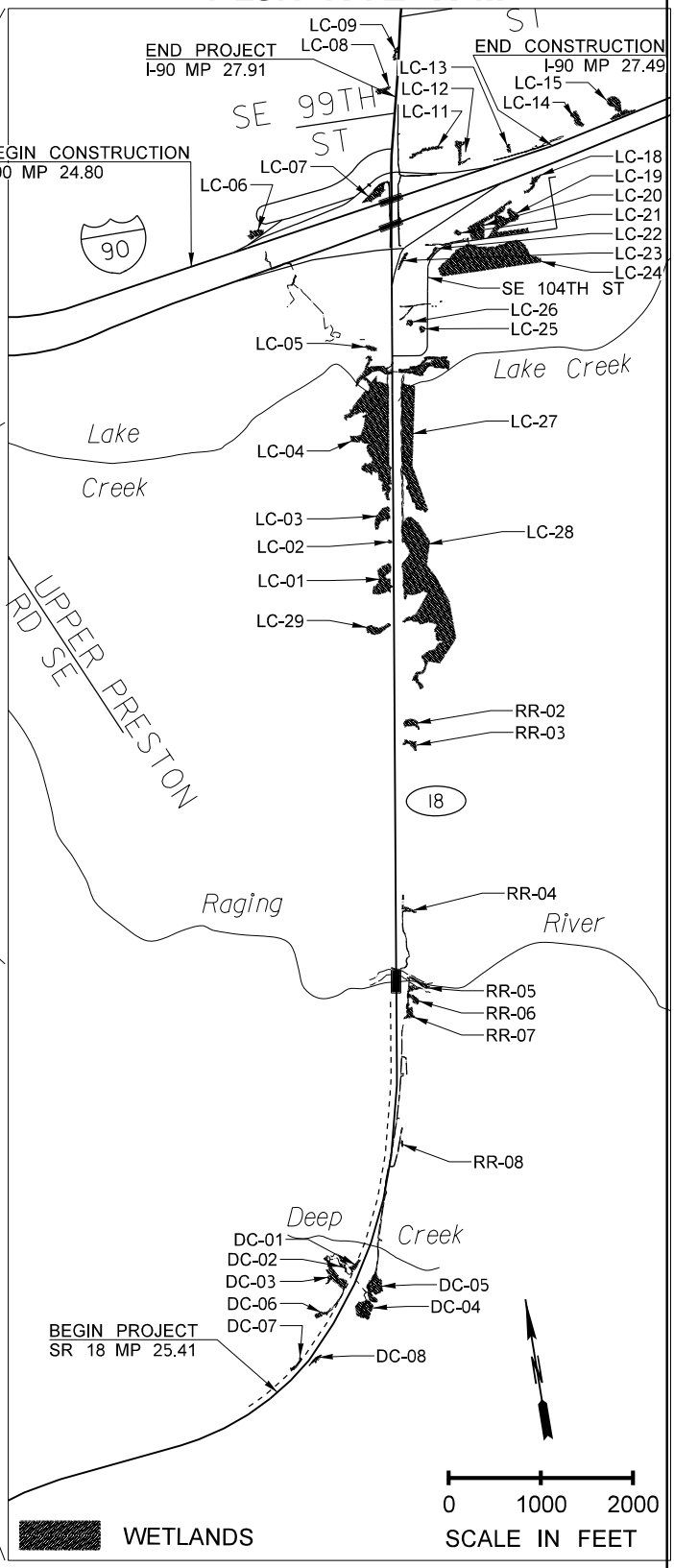
T.23N. R.7E. W.M.



WSDOT
NORTHWEST REGION



WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
Geographic Services, Cartography/GIS
BASE MAP JULY 1998

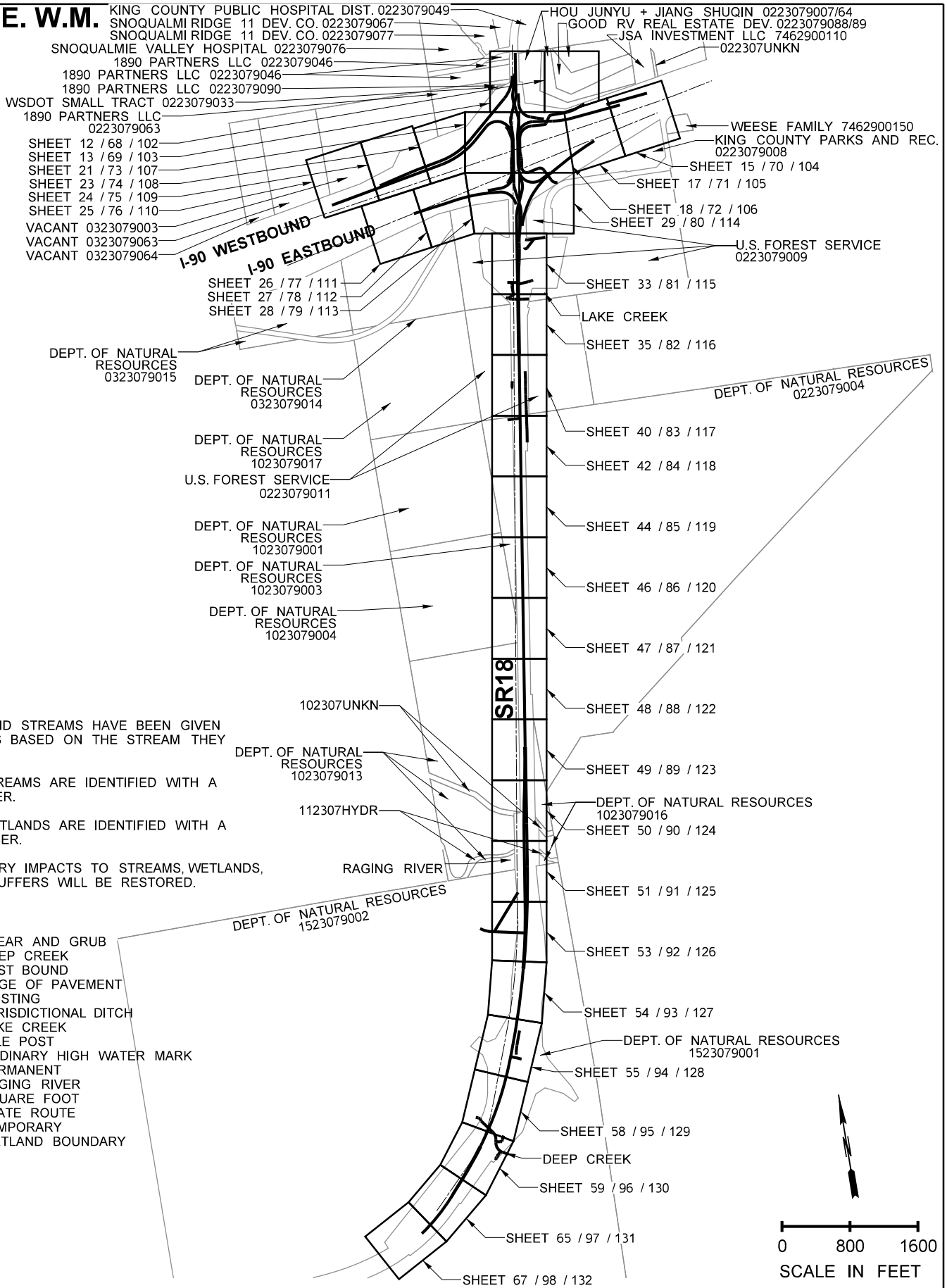


PROJECT NAME: I–90 /SR18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMRPOVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W | S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
VICINITY MAP	DATE: JANUARY 20, 2022

Washington State
Department of Transportation

SHEET: 1 OF: 132

T.23N. R.7E. W.M.



GENERAL NOTES:

1. WETLANDS AND STREAMS HAVE BEEN GIVEN DESIGNATIONS BASED ON THE STREAM THEY FLOW INTO:

   UNNAMED STREAMS ARE IDENTIFIED WITH A UNIQUE LETTER.

   UNNAMED WETLANDS ARE IDENTIFIED WITH A UNIQUE NUMBER.

2. ALL TEMPORARY IMPACTS TO STREAMS, WETLANDS, AND THEIR BUFFERS WILL BE RESTORED.

ABBREVIATIONS:

C/G	–	CLEAR AND GRUB
DC	–	DEEP CREEK
EB	–	EAST BOUND
EOP	–	EDGE OF PAVEMENT
EXIST	–	EXISTING
JDD	–	JURISDICTIONAL DITCH
LC	–	LAKE CREEK
MP	–	MILE POST
OHWM	–	ORDINARY HIGH WATER MARK
PERM.	–	PERMANENT
RR	–	RAGING RIVER
SF	–	SQUARE FOOT
SR	–	STATE ROUTE
TEMP.	–	TEMPORARY
WB	–	WETLAND BOUNDARY

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W|S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
LAYOUT SHEET	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 2 OF: 132

Wetland Number	Updated 2014 Ecology and Local Jurisdiction Rating	Permanent Wetland Impact Area	Temporary Wetland Impact Area*	Wetland to Stream Conversion Area	Indirect Wetland Impacts	Permanent Wetland Buffer Impact Area	Temporary Wetland Buffer Impact Area	Wetland Buffer Vegetation Conversion Area	Wetland Buffer to Stream Conversion Area
LC-01	I	0.070 AC 3,061 SF	**0.057 AC 2,483 SF**	-	0.146 AC 6,381 SF	0.888 AC 38,684 SF	0.131 AC 5,708 SF	-	-
LC-02	I	0.015 AC 668 SF	-	-	-	-	-	-	-
LC-03	I	-	**0.002 AC 83 SF**	-	0.129 AC 5,632 SF	0.397 AC 17,273 SF	0.088 AC 3,813 SF	0.038 AC 1,643 SF	-
LC-04 (Other)	I	0.023 AC 998 SF	**0.057 AC 2,475 SF**	0.011 AC 488 SF	0.452 AC 19,668 SF	1.383 AC 60,250 SF	0.334 AC 14,529 SF	0.042 AC 1,840 SF	0.034 AC 1,474 SF
LC-04 (Fish Pass.)	I	0.005 AC 200 SF	**0.005 AC 236 SF**	0.007 AC 316 SF	-	0.036 AC 1,570 SF	0.014 AC 612 SF	-	0.000 AC 4 SF
LC-05	III	-	-	-	-	0.412 AC 17,947 SF	0.052 AC 2,245 SF	-	-
LC-06	III	-	-	-	-	0.041 AC 1,767 SF	0.041 AC 1,793 SF	0.021 AC 932 SF	-
LC-07	III	0.358 AC 15,587 SF	-	-	-	-	-	-	-
LC-08	II	-	-	-	-	-	-	-	-
LC-09	II	-	-	-	-	-	-	-	-
LC-11	III	-	-	-	0.028 AC 1,205 SF	0.922 AC 40,143 SF	0.094 AC 4,081 SF	-	0.002 AC 77 SF
LC-12 (Other)	II	-	-	-	-	0.196 AC 8,516 SF	0.030 AC 1,300 SF	-	0.002 AC 68 SF
LC-12 (Fish Pass.)	II	0.000 AC 12 SF	**0.005 AC 205 SF**	-	-	0.120 AC 5,235 SF	0.040 AC 1,755 SF	-	0.047 AC 2,062 SF
LC-13	III	-	0.001 AC 22 SF	-	-	0.288 AC 12,565 SF	0.084 AC 3,646 SF	-	0.064 AC 2,771 SF
LC-14	III	-	-	-	-	-	-	-	-
LC-15	IV	-	-	-	-	-	-	-	-
LC-16	III	-	-	-	-	-	-	-	-
LC-17	III	-	-	-	-	-	-	-	-
LC-18	III	-	-	-	-	-	-	-	-
LC-19	II	-	-	-	-	-	-	-	-
LC-20	III	-	-	-	-	-	0.052 AC 2,285 SF	-	-
LC-21	III	-	-	-	-	0.002 AC 69 SF	0.034 AC 1,480 SF	-	-
LC-22 (Other)	II	-	-	-	-	0.348 AC 15,138 SF	0.100 AC 4,357 SF	-	-
LC-22 (Fish Pass.)	II	-	-	-	-	0.022 AC 957 SF	0.029 AC 1,263 SF	-	0.030 AC 1,296 SF
LC-23	III	0.054 AC 2,339 SF	-	-	-	-	-	-	-
LC-24	I	-	-	-	-	-	-	-	-

*Individual impact values listed in bold text indicate long-term temporary wetland impacts. Non-highlighted values are short-term temporary wetland impacts.

GENERAL NOTE:

1. FISH PASSAGE IMPACTS WERE BASED ON THE GRADING LIMITS SHOWN IN THE PRELIMINARY HYDRAULIC DESIGN. ALL OTHER GRADING IS A RESULT OF THE INTERCHANGE REALIGNMENT, ROADWAY EXPANSIONS, AND STORMWATER FACILITIES.

Wetland Number	Updated 2014 Ecology and Local Jurisdiction Rating	Permanent Wetland Impact Area	Temporary Wetland Impact Area*	Wetland to Stream Conversion Area	Indirect Wetland Impacts	Permanent Wetland Buffer Impact Area	Temporary Wetland Buffer Impact Area	Wetland Buffer Vegetation Conversion Area	Wetland Buffer to Stream Conversion Area
LC-25	III	-	-	-	0.033 AC 1,457 SF	0.529 AC 23,042 SF	0.081 AC 3,547 SF	-	0.002 AC 108 SF
LC-26	III	-	-	-	0.005 AC 210 SF	0.441 AC 19,227 SF	0.052 AC 2,283 SF	-	-
LC-27 (Other)	II	0.006 AC 282 SF	**0.031 AC 1,331 SF**	0.009 AC 411 SF	0.369 AC 16,091 SF	0.695 AC 30,254 SF	0.155 AC 6,760 SF	0.013 AC 564 SF	-
LC-27 (Fish Pass.)	II	-	**0.005 AC 209 SF**	0.012 AC 502 SF	-	0.042 AC 1,841 SF	0.015 AC 660 SF	-	-
LC-28	I	0.027 AC 1,195 SF	**0.088 AC 3,848 SF**	0.010 AC 437 SF	0.315 AC 13,736 SF	0.659 AC 28,697 SF	0.480 AC 20,907 SF	0.002 AC 76 SF	0.108 AC 4,688 SF
LC-29	II	0.004 AC 162 SF	0.006 AC 276 SF	-	0.023 AC 1,013 SF	0.411 AC 17,909 SF	0.070 AC 3,028 SF	-	-
RR-02	II	-	-	-	-	0.044 AC 1,918 SF	0.009 AC 377 SF	0.074 AC 3,210 SF	-
RR-03	III	-	-	-	-	0.040 AC 1,725 SF	0.010 AC 434 SF	0.108 AC 4,707 SF	-
RR-04	III	-	-	-	-	0.579 AC 25,217 SF	0.113 AC 4,919 SF	0.037 AC 1,594 SF	-
RR-05	II	-	-	-	-	0.208 AC 9,057 SF	0.015 AC 668 SF	-	-
RR-06	II	-	-	-	-	0.494 AC 21,523 SF	0.056 AC 2,459 SF	-	-
RR-07	II	-	-	-	-	0.325 AC 14,172 SF	0.069 AC 3,008 SF	-	0.020 AC 866 SF
RR-08	III	-	**0.002 AC 80 SF**	-	-	1.223 AC 53,262 SF	0.152 AC 6,608 SF	-	0.037 AC 1,610 SF
DC-01 (Other)	III	0.040 AC 1,744 SF	-	-	-	-	-	-	-
DC-01 (Fish Pass.)	III	0.039 AC 1,719 SF	-	0.001 AC 30 SF	-	-	-	-	-
DC-02 (Other)	II	-	-	-	-	0.726 AC 31,635 SF	0.191 AC 8,301 SF	0.025 AC 1,076 SF	-
DC-02 (Fish Pass.)	II	0.004 AC 165 SF	0.002 AC 80 SF	-	-	0.122 AC 5,326 SF	0.045 AC 1,976 SF	-	0.002 AC 76 SF
DC-03	II	0.165 AC 7,190 SF	**0.090 AC 3,931 SF**	0.002 AC 70 SF	0.071 AC 3,087 SF	0.427 AC 18,617 SF	0.134 AC 5,847 SF	-	0.013 AC 553 SF
DC-04 (Other)	III	-	-	-	-	-	-	-	-
DC-04 (Fish Pass.)	III	0.063 AC 2,766 SF	**0.064 AC 2,776 SF**	0.015 AC 644 SF	-	0.047 AC 2,053 SF	0.005 AC 205 SF	-	0.029 AC 1,283 SF
DC-05 (Other)	III	-	-	-	-	-	-	-	-
DC-05 (Fish Pass.)	III	0.035 AC 1,535 SF	**0.039 AC 1,691 SF**	0.001 AC 32 SF	-	0.024 AC 1,036 SF	0.016 AC 697 SF	-	0.004 AC 174 SF
DC-06	III	0.003 AC 130 SF	0.006 AC 259 SF	0.000 AC 19 SF	-	0.278 AC 12,131 SF	0.081 AC 3,544 SF	-	0.007 AC 323 SF
DC-07	III	0.028 AC 1,200 SF	-	0.001 AC 49 SF	-	-	-	-	-
DC-08	III	-	-	-	-	0.184 AC 8,024 SF	0.183 AC 7,970 SF	-	-
Total (AC)		**0.940 AC**	**0.459 AC**	**0.069 AC**	**0.887 AC**	**12.552 AC**	**3.055 AC**	**0.359 AC**	**0.400 AC**
Total (SF)		**40,953 SF**	**19,985 SF**	**2,998 SF**	**38,653 SF**	**546,780 SF**	**133,065 SF**	**15,642 SF**	**17,433 SF**

*Individual impact values listed in bold text indicate long-term temporary wetland impacts. Non-highlighted values are short-term temporary wetland impacts.

GENERAL NOTE:

1. FISH PASSAGE IMPACTS WERE BASED ON THE GRADING LIMITS SHOWN IN THE PRELIMINARY HYDRAULIC DESIGN. ALL OTHER GRADING IS A RESULT OF THE INTERCHANGE REALIGNMENT, ROADWAY EXPANSIONS, AND STORMWATER FACILITIES.

Stream Number / Pipe	Stream Type	Permanent Stream Impact Area	Temporary Stream Impact Area	Permanent Stream Buffer Impact Area	Temporary Stream Buffer Impact Area	Stream Buffer Conversion Area	Stream Buffer to Stream Area	Indirect Stream Impact
Stream LC-A (Other)	F	-	-	-	-	-	-	0.018 AC 790 SF
Stream LC-A (Fish Pass.)	F	0.000 AC 6 SF	0.023 AC 982 SF	-	-	-	0.018 AC 770 SF	
Stream LC-B	F	0.097 AC 4,204 SF	0.216 AC 9,394 SF	-	-	-	-	
Stream LC-C	F	-	0.008 AC 346 SF	-	-	-	-	
Stream LC-D	F	-	-	0.086 AC 3,765 SF	0.141 AC 6,123 SF	-	-	
Stream LC-E (Fish Pass.)	F	0.051 AC 2,206 SF	-	-	-	-	-	
Stream LC-F	N	0.042 AC 1,851 SF	-	0.580 AC 25,255 SF	0.075 AC 3,282 SF	-	0.020 AC 891 SF	
Stream LC-G (Other)	F	0.050 AC 2,171 SF	0.008 AC 345 SF	1.634 AC 71,198 SF	0.007 AC 296 SF	-	-	
Stream LC-G (Fish Pass.)	F	0.044 AC 1,911 SF	0.030 AC 1,307 SF	0.981 AC 42,716 SF	0.116 AC 5,042 SF	-	0.271 AC 11,788 SF	
Stream LC-H	F	0.042 AC 1,834 SF	0.015 AC 639 SF	0.233 AC 10,142 SF	0.051 AC 2,209 SF	0.034 AC 1,485 SF	0.025 AC 1,074 SF	
Stream LC-I	F	0.021 AC 904 SF	0.006 AC 247 SF	0.260 AC 11,336 SF	0.042 AC 1,844 SF	-	0.002 AC 83 SF	
Stream LC-J (Other)	F	0.006 AC 271 SF	0.008 AC 337 SF	0.027 AC 1,191 SF	-	-	-	
Stream LC-J (Fish Pass.)	F	-	0.003 AC 112 SF	-	-	-	-	
Stream RR-A	S	-	-	0.116 AC 5,043 SF	0.037 AC 1,614 SF	-	-	
Stream RR-B	O/N	0.016 AC 693 SF	0.014 AC 604 SF	0.001 AC 31 SF	0.018 AC 790 SF	-	-	
Stream RR-C	N	-	0.002 AC 97 SF	-	-	-	-	
Stream RR-D	N	0.160 AC 6,979 SF	0.023 AC 987 SF	1.033 AC 44,994 SF	0.092 AC 4,008 SF	-	0.035 AC 1,529 SF	
Stream DC-A (Other)	S	-	-	-	-	-	-	0.016 AC 708 SF
Stream DC-A (Fish Pass.)	S	0.097 AC 4,227 SF	0.104 AC 4,549 SF	-	-	-	-	
Stream DC-B	N	-	-	-	-	-	-	
Stream DC-C	N	0.053 AC 2,329 SF	0.001 AC 46 SF	-	-	-	-	
Stream DC-D (Other)	F	-	-	-	-	-	-	
Stream DC-D (Fish Pass.)	F	0.003 AC 124 SF	0.012 AC 509 SF	-	-	-	-	
Stream DC-E (Other)	F	0.022 AC 962 SF	0.034 AC 1,460 SF	0.390 AC 16,977 SF	0.166 AC 7,217 SF	-	0.033 AC 1,459 SF	
Stream DC-E (Fish Pass.)	F	0.000 AC 3 SF	0.002 AC 97 SF	-	-	-	-	
Stream DC-F	N	0.017 AC 736 SF	0.003 AC 118 SF	0.168 AC 7,309 SF	0.071 AC 3,083 SF	-	0.009 AC 386 SF	
Total (AC)		**0.721 AC**	**0.509 AC**	**5.509 AC**	**0.815 AC**	**0.034 AC**	**0.413 AC**	**0.034 AC**
Total (SF)		**31,411 SF**	**22,176 SF**	**239,957 SF**	**35,508 SF**	**1,485 SF**	**17,980 SF**	**1,498 SF**

GENERAL NOTE:

1. FISH PASSAGE IMPACTS WERE BASED ON THE GRADING LIMITS SHOWN IN THE PRELIMINARY HYDRAULIC DESIGN. ALL OTHER GRADING IS A RESULT OF THE INTERCHANGE REALIGNMENT, ROADWAY EXPANSIONS, AND STORMWATER FACILITIES.
2. TYPE S: DESIGNATED "SHORELINES OF THE STATE" UNDER KING COUNTY'S SHORELINE MASTER PROGRAM (KCC TITLE 25).
3. TYPE F: NOT A TYPE S WATER AND CONTAINS FISH OR FISH HABITAT.
4. TYPE N: NOT A TYPE S OR F WATERS AND ARE PHYSICALLY CONNECTED TO TYPE S OR F WATERS BY AN ABOVE GROUND CHANNEL SYSTEM, STREAM, OR WETLAND.
5. TYPE O: NOT A TYPE S, F, OR N WATERS AND NOT PHYSICALLY CONNECTED TO TYPE S, F, OR N WATER BY AN ABOVE GROUND CHANNEL SYSTEM, PIPE, CULVERT, STREAM, OR WETLAND (KCC 21A.24.355).

Ditch Number	Stream Type	Permanent Impact Area	Temporary Impact Area	Permanent Buffer Impact Area	Buffer Conversion Area	Temporary Buffer Impact Area	Stream Buffer to Stream Area
Ditches and Jurisdictional Ditches Within Project Area							
JDD1	Ditch	120 LF 15.56 CY	60 LF 7.78 CY	-	-	-	-
JDD2	Ditch	352 LF 58.67 CY	-	-	-	-	-
JDD3	Ditch	498 LF 122.97 CY	-	-	-	-	-
JDD4	Ditch	211 LF 28.23 CY	-	-	-	-	-
JDD5	Ditch	113 LF 5.24 CY	-	-	-	-	-
JDD6	Ditch	766 LF 13.8 CY	-	-	-	-	-
D7	Ditch	-	-	-	-	-	-
JDD8	Ditch	-	-	-	-	-	-
D9	Ditch	-	-	-	-	-	-
JDD10	Ditch	-	-	-	-	-	-
JDD11	Ditch	-	-	-	-	-	-
JDD12	Ditch	-	-	-	-	-	-
D14	Ditch	-	-	-	-	-	-
D16	Ditch	-	-	-	-	-	-
D18	Ditch	-	-	-	-	-	-
JDD21	Ditch	-	-	-	-	-	-
D23	Ditch	-	-	-	-	-	-
JDD24	Ditch	-	-	-	-	-	-
JDD25	Ditch	91 LF 1.88 CY	72 LF 1.49 CY	-	-	-	-
JDD26	Ditch	599 LF 18.49 CY	-	-	-	-	-
JDD27	Ditch	471 LF 7.27 CY	64 LF 0.99 CY	-	-	-	-
JDD29	Ditch	-	-	-	-	-	-
D30	Ditch	-	-	-	-	-	-
JDD31	Ditch	-	-	-	-	-	-
JDD32	Ditch	-	-	-	-	-	-
JDD34	Ditch	290 LF 32.23 CY	13 LF 1.45 CY	-	-	-	-
JDD35	Ditch	-	-	-	-	-	-
D36	Ditch	-	-	-	-	-	-
JDD37	Ditch	709 LF 21.89 CY	-	-	-	-	-
JDD38	Ditch	1061 LF 58.95 CY	-	-	-	-	-
JDD39	Ditch	213 LF 11.84 CY	-	-	-	-	-
JDD40	Ditch	453 LF 20.98 CY	10 LF 0.47 CY	-	-	-	-
JDD41	Ditch	17 LF 0.53 CY	105 LF 3.25 CY	-	-	-	-
JDD42	Ditch	37 LF 1.38 CY	131 LF 4.86 CY	-	-	-	-
JDD43	Ditch	113 LF 2.8 CY	62 LF 1.54 CY	-	-	-	-

Ditch Number	Stream Type	Permanent Impact Area	Temporary Impact Area	Permanent Buffer Impact Area	Buffer Conversion Area	Temporary Buffer Impact Area	Stream Buffer to Stream Area
Ditches and Jurisdictional Ditches Within Project Area							
JDD44	Ditch	327 LF 6.06 CY	-	-	-	-	-
D47	Ditch	-	-	-	-	-	-
D48	Ditch	-	-	-	-	-	-
JDD52	Ditch	-	-	-	-	-	-
JDD53	Ditch	-	-	-	-	-	-
JDD54	Ditch	-	-	-	-	-	-
JDD55	Ditch	265 LF 32.72 CY	-	-	-	-	-
JDD56	Ditch	1229 LF 91.04 CY	-	-	-	-	-
JDD57	Ditch	368 LF 28.4 CY	-	-	-	-	-
JDD58	Ditch	103 LF 15.26 CY	15 LF 2.23 CY	-	-	-	-
D59	Ditch	-	-	-	-	-	-
D60	Ditch	-	-	-	-	-	-
JDD61	Ditch	2148 LF 66.3 CY	10 LF 0.31 CY	-	-	-	-
D62	Ditch	-	-	-	-	-	-
JDD63	Ditch	-	1520 LF 206.42 CY	-	-	-	-
D64	Ditch	-	-	-	-	-	-
JDD65	Ditch	1024 LF 208.6 CY	11 LF 2.25 CY	-	-	-	-
D66	Ditch	-	-	-	-	-	-
D67	Ditch	-	-	-	-	-	-
D68	Ditch	-	-	-	-	-	-
JDD69	Ditch	282 LF 39.17 CY	-	-	-	-	-
D70	Ditch	-	-	-	-	-	-
D71	Ditch	-	-	-	-	-	-
JDD72	Ditch	680 LF 5.25 CY	-	-	-	-	-
JDD73	Ditch	-	-	-	-	-	-
JDD74	Ditch	435 LF 5.38 CY	-	-	-	-	-
JDD75	Ditch	259 LF 4 CY	23 LF 0.36 CY	-	-	-	-

Ditch Number	Stream Type	Permanent Impact Area	Temporary Impact Area	Permanent Buffer Impact Area	Buffer Conversion Area	Temporary Buffer Impact Area	Stream Buffer to Stream Area
Ditches and Jurisdictional Ditches Within Project Area							
D76	Ditch	-	-	-	-	-	-
D77	Ditch	-	-	-	-	-	-
JDD80	Ditch	-	-	-	-	-	-
JDD81	Ditch	-	-	-	-	-	-
D86	Ditch	-	-	-	-	-	-
JDD87	Ditch	-	-	-	-	-	-
JDD88	Ditch	288 LF 26.67 CY	236 LF 21.86 CY	-	-	-	-
JDD90	Ditch	-	-	-	-	-	-
JDD91	Ditch	164 LF 13.67 CY	142 LF 11.84 CY	-	-	-	-
D92	Ditch	-	-	-	-	-	-
JDD93	Ditch	233 LF 8.63 CY	31 LF 1.15 CY	-	-	-	-

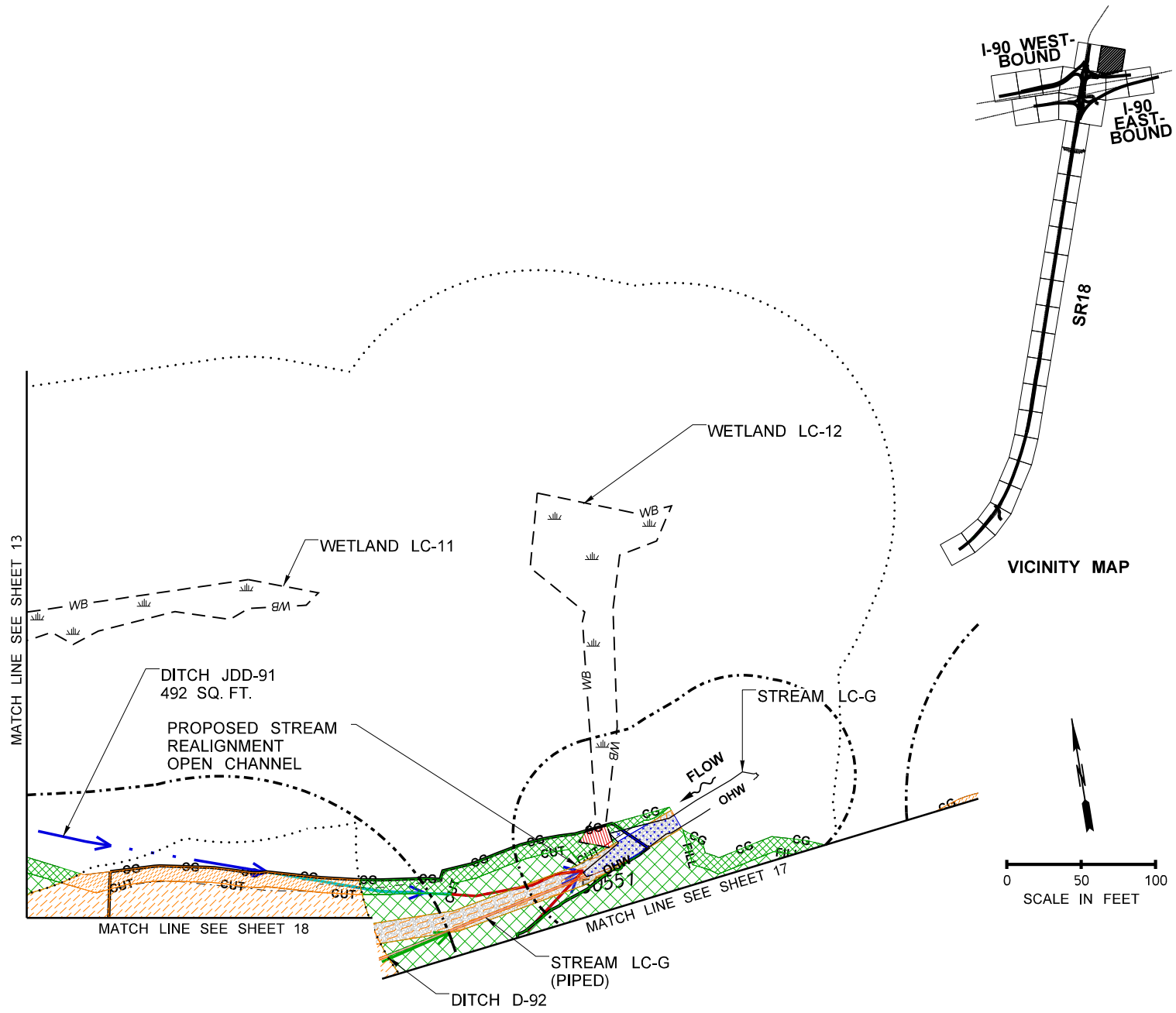
Wetland Number	Updated 2014 Ecology and Local Jurisdiction Rating	Wetland Restoration	Wetland to Buffer Conversion	Wetland to Stream Conversion	Wetland Buffer Restoration	Wetland Buffer to Stream Conversion
LC-01	I	0.057 AC 2,483 SF	-	-	0.131 AC 5,708 SF	-
LC-02	I	-	0.005 AC 199 SF	-	-	-
LC-03	I	-	-	-	0.125 AC 5,456 SF	-
LC-04	I	0.062 AC 2,711 SF	-	0.019 AC 807 SF	0.390 AC 16,981 SF	0.034 AC 1,478 SF
LC-05	III	-	-	-	0.052 AC 2,245 SF	-
LC-06	III	-	-	-	0.063 AC 2,725 SF	-
LC-07	III	-	-	-	-	-
LC-08	II	-	-	-	-	-
LC-09	II	-	-	-	-	-
LC-11	III	-	-	-	0.592 AC 25,773 SF	0.002 AC 77 SF
LC-12	II	0.005 AC 205 SF	-	-	0.127 AC 5,520 SF	0.049 AC 2,129 SF
LC-13	III	0.001 AC 22 SF	-	-	0.310 AC 13,485 SF	0.064 AC 2,771 SF
LC-14	III	-	-	-	-	-
LC-15	IV	-	-	-	-	-
LC-16	III	-	-	-	-	-
LC-17	III	-	-	-	-	-
LC-18	III	-	-	-	-	-
LC-19	II	-	-	-	-	-
LC-20	III	-	-	-	0.052 AC 2,271 SF	-
LC-21	III	-	-	-	0.034 AC 1,483 SF	-
LC-22	II	-	-	-	0.129 AC 5,635 SF	0.030 AC 1,296 SF
LC-23	III	-	-	-	-	-
LC-24	I	-	-	-	-	-
LC-25	III	-	-	-	0.082 AC 3,552 SF	0.002 AC 108 SF
LC-26	III	-	-	-	0.052 AC 2,283 SF	-
LC-27	II	0.036 AC 1,577 SF	-	0.021 AC 913 SF	0.190 AC 8,268 SF	-
LC-28	I	0.088 AC 3,848 SF	-	0.010 AC 437 SF	0.582 AC 25,339 SF	0.108 AC 4,688 SF
LC-29	II	0.006 AC 276 SF	-	-	0.070 AC 3,028 SF	-

Wetland Number	Updated 2014 Ecology and Local Jurisdiction Rating	Wetland Restoration	Wetland to Buffer Conversion	Wetland to Stream Conversion	Wetland Buffer Restoration	Wetland Buffer to Stream Conversion
RR-02	II	-	-	-	0.082 AC 3,587 SF	-
RR-03	III	-	-	-	0.118 AC 5,141 SF	-
RR-04	III	-	-	-	0.150 AC 6,530 SF	-
RR-05	II	-	-	-	0.015 AC 668 SF	-
RR-06	II	-	-	-	-	-
RR-07	II	-	-	-	0.345 AC 15,020 SF	0.020 AC 866 SF
RR-08	III	0.002 AC 80 SF	-	-	1.314 AC 57,228 SF	0.037 AC 1,610 SF
DC-01	III	-	0.035 AC 1,538 SF	0.001 AC 30 SF	-	-
DC-02	II	0.002 AC 80 SF	0.003 AC 141 SF	-	0.261 AC 11,353 SF	0.009 AC 376 SF
DC-03	II	0.090 AC 3,939 SF	-	0.002 AC 70 SF	0.193 AC 8,396 SF	0.013 AC 553 SF
DC-04	III	0.064 AC 2,776 SF	0.064 AC 2,783 SF	0.015 AC 644 SF	0.005 AC 205 SF	0.029 AC 1,283 SF
DC-05	III	0.039 AC 1,691 SF	0.035 AC 1,536 SF	0.001 AC 32 SF	0.016 AC 697 SF	0.004 AC 174 SF
DC-06	II	0.006 AC 259 SF	-	0.000 AC 19 SF	0.116 AC 5,072 SF	0.007 AC 323 SF
DC-07	II	-	0.003 AC 128 SF	0.001 AC 49 SF	-	0.009 AC 386 SF
DC-08	III	-	-	-	0.183 AC 7,970 SF	-
Total (AC)		**0.457 AC**	**0.145 AC**	**0.069 AC**	**5.761 AC**	**0.416 AC**
Total (SF)		**19,947 SF**	**6,325 SF**	**3,001 SF**	**251,619 SF**	**18,118 SF**

Stream Number	Stream Type	Stream Restoration	Stream Buffer Restoration	Stream Creation	Stream Buffer Creation	Stream to Buffer Conversion	Stream Buffer to Stream Conversion
Stream LC-A	F	0.023 AC 990 SF	-	0.047 AC 2,065 SF	-	-	0.030 AC 1,288 SF
Stream LC-B	F	0.216 AC 9,394 SF	-	-	-	-	-
Stream LC-C	F	0.008 AC 356 SF	-	-	-	-	-
Stream LC-D	F	-	0.141 AC 6,123 SF	-	-	-	-
Stream LC-E	F	-	-	-	-	-	-
Stream LC-F	N	-	0.447 AC 19,468 SF	-	-	-	0.020 AC 891 SF
Stream LC-G	F	0.038 AC 1,652 SF	0.476 AC 20,724 SF	0.177 AC 7,706 SF	-	-	0.270 AC 11,753 SF
Stream LC-H	F	0.015 AC 638 SF	0.211 AC 9,193 SF	-	-	-	0.025 AC 1,074 SF
Stream LC-I	F	0.006 AC 247 SF	0.042 AC 1,842 SF	-	-	-	0.002 AC 83 SF
Stream LC-J	F	0.010 AC 449 SF	-	-	-	-	-
Stream RR-A	S	-	0.087 AC 3,773 SF	-	-	-	-
Stream RR-B	O/N	0.014 AC 604 SF	0.018 AC 784 SF	-	-	-	-
Stream RR-C	N	0.002 AC 97 SF	-	-	-	-	-
Stream RR-D	N	0.023 AC 987 SF	1.057 AC 46,042 SF	-	-	-	0.035 AC 1,531 SF
Stream DC-A	S	0.106 AC 4,623 SF	0.116 AC 5,070 SF	0.196 AC 8,550 SF	0.457 AC 19,886 SF	0.096 AC 4,177 SF	-
Stream DC-B	N	-	-	-	-	-	-
Stream DC-C	N	0.001 AC 47 SF	-	-	-	-	-
Stream DC-D	F	0.011 AC 496 SF	-	-	-	0.003 AC 123 SF	-
Stream DC-E	F	0.038 AC 1,635 SF	0.562 AC 24,461 SF	0.004 AC 186 SF	-	-	0.033 AC 1,459 SF
Stream DC-F	N	0.003 AC 118 SF	0.118 AC 5,122 SF	-	-	-	-
Total (AC)		**0.513 AC**	**3.274 AC**	**0.425 AC**	**0.457 AC**	**0.099 AC**	**0.415 AC**
Total (SF)		**22,333 SF**	**142,602 SF**	**18,507 SF**	**19,886 SF**	**4,308 SF**	**18,079 SF**

T.23N. R.7E. W.M.

IMPACT FIGURES



LEGEND

PERM. WETLAND IMPACT	TEMP. WETLAND IMPACT	PERM. STREAM BUFFER IMPACT	TEMP. STREAM BUFFER IMPACT	JD PERM. IMPACT	
PERM. WETLAND BUFFER IMPACT	TEMP. WETLAND BUFFER IMPACT	PERM. PIPED STREAM IMPACT	BUFFER TO STREAM CONVERSION	JD TEMP. IMPACT	
PERM. STREAM IMPACT	TEMP. STREAM IMPACT	BUFFER VEGETATION CONVERSION	WETLAND TO STREAM CONVERSION	INDIRECT IMPACTS	
WETLAND		EXISTING EOP		PROPOSED EOP	
STREAM BED MATERIAL		EXISTING CULVERT		PROPOSED DITCH	
RIPRAP MATERIAL		OHWM		CLEAR/GRUB LINE	
PROPOSED CULVERT		JURISDICTIONAL DITCH		PROPOSED CUT	
		EXISTING DITCH		PROPOSED FILL	
		WETLAND BUFFER		PROPOSED FISH PASSAGE IMPACTS	
		STREAM BUFFER			

GENERAL NOTE:

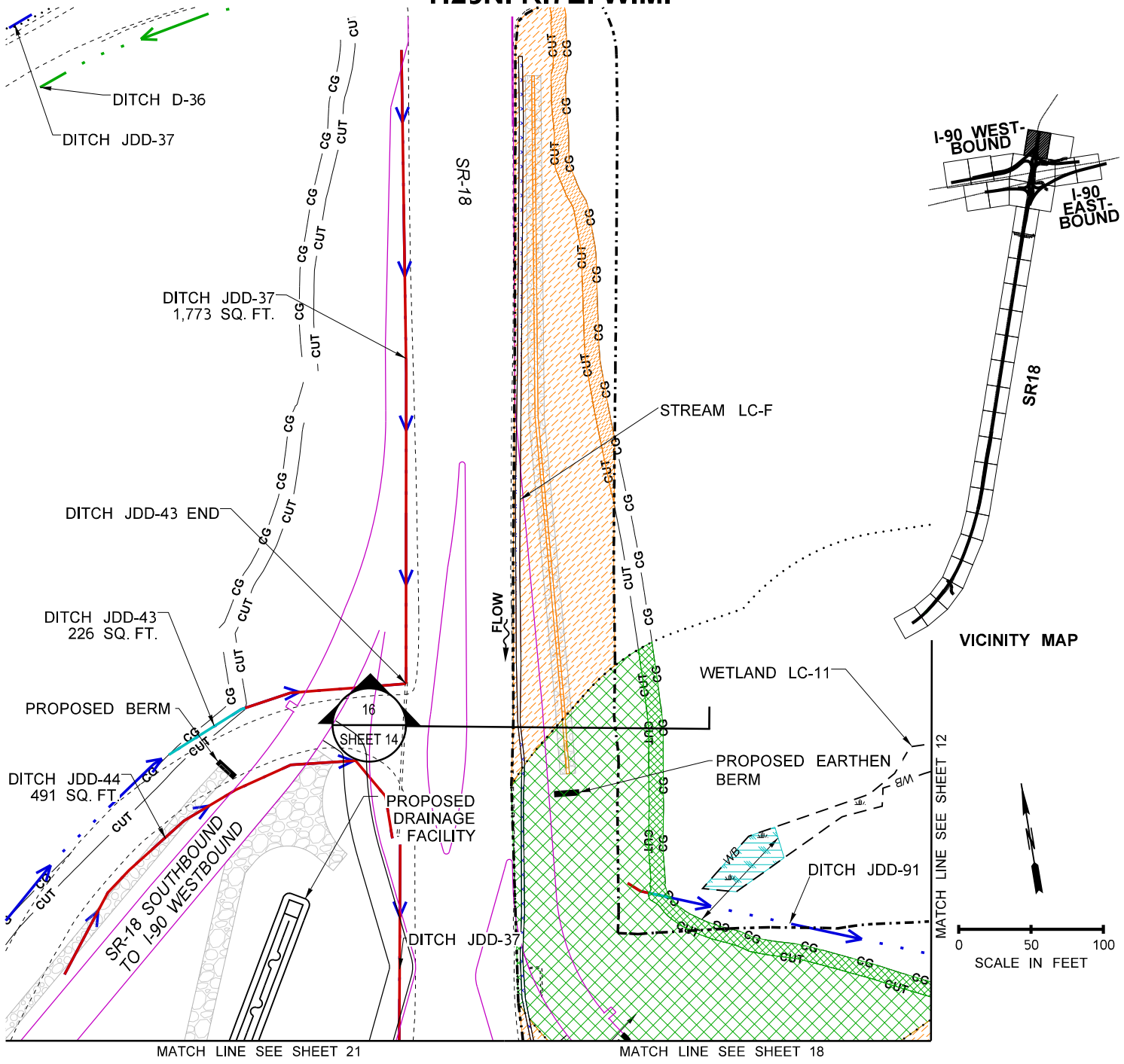
1. IMPACTS TO STREAM LC-G DUE TO STREAM CHANNEL AND FREEWAY RAMP REALIGNMENT

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W|S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

T.23N. R.7E. W.M.



LEGEND

- PERM. WETLAND IMPACT
- TEMP. WETLAND IMPACT
- PERM. STREAM BUFFER IMPACT
- TEMP. STREAM BUFFER IMPACT
- JD PERM. IMPACT
- PERM. WETLAND BUFFER IMPACT
- TEMP. WETLAND BUFFER IMPACT
- PERM. PIPED STREAM IMPACT
- BUFFER TO STREAM CONVERSION
- JD TEMP. IMPACT
- PERM. STREAM IMPACT
- TEMP. STREAM IMPACT
- BUFFER VEGETATION CONVERSION
- WETLAND TO STREAM CONVERSION
- INDIRECT IMPACTS
- WETLAND
- STREAM BED MATERIAL
- RIPRAP MATERIAL
- PROPOSED CULVERT
- EXISTING EOP
- EXISTING CULVERT
- OHWM
- JURISDICTIONAL DITCH
- EXISTING DITCH
- WETLAND BUFFER
- STREAM BUFFER
- PROPOSED EOP
- PROPOSED DITCH
- CLEAR/GRUB LINE
- PROPOSED CUT
- PROPOSED FILL
- PROPOSED FISH PASSAGE IMPACTS

GENERAL NOTE:

1. STREAM LC-F REALIGNED DUE TO ROADWAY EXPANSION. STREAM WILL BE RIPRAPPED IN REALIGNED CHANNEL TO REDUCE SCOUR POTENTIAL, THEN CONVEYED THROUGH THE CULVERT TO DISCHARGE TO LC-G

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
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IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

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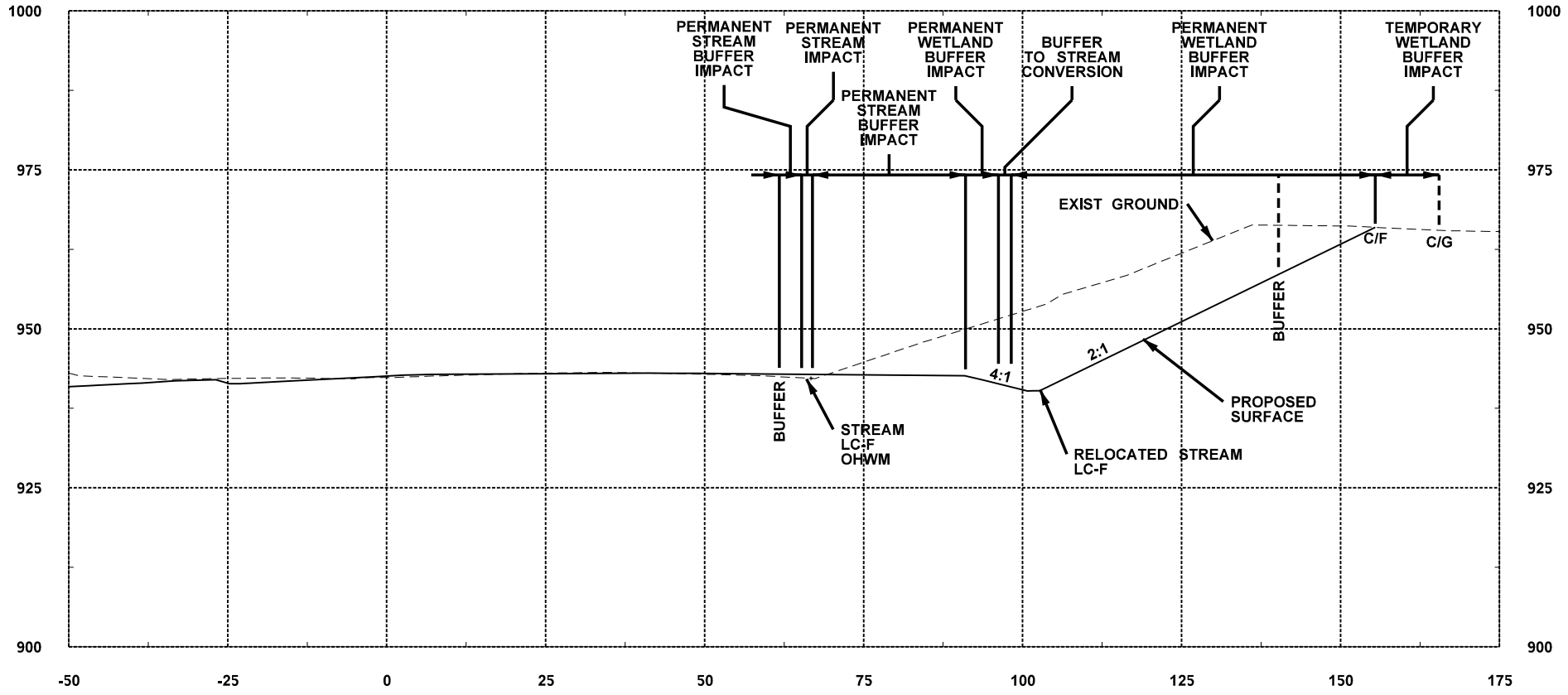


CROSS SECTION #16
(SEE MATCHED SHEET #13 OF 132)

W ⟷ E

WB = WETLAND BOUNDARY
OHWM = ORDINARY HIGH WATER MARK
C/G = CLEARING AND GRUBBING LIMIT
C/F = CUT AND FILL LIMIT

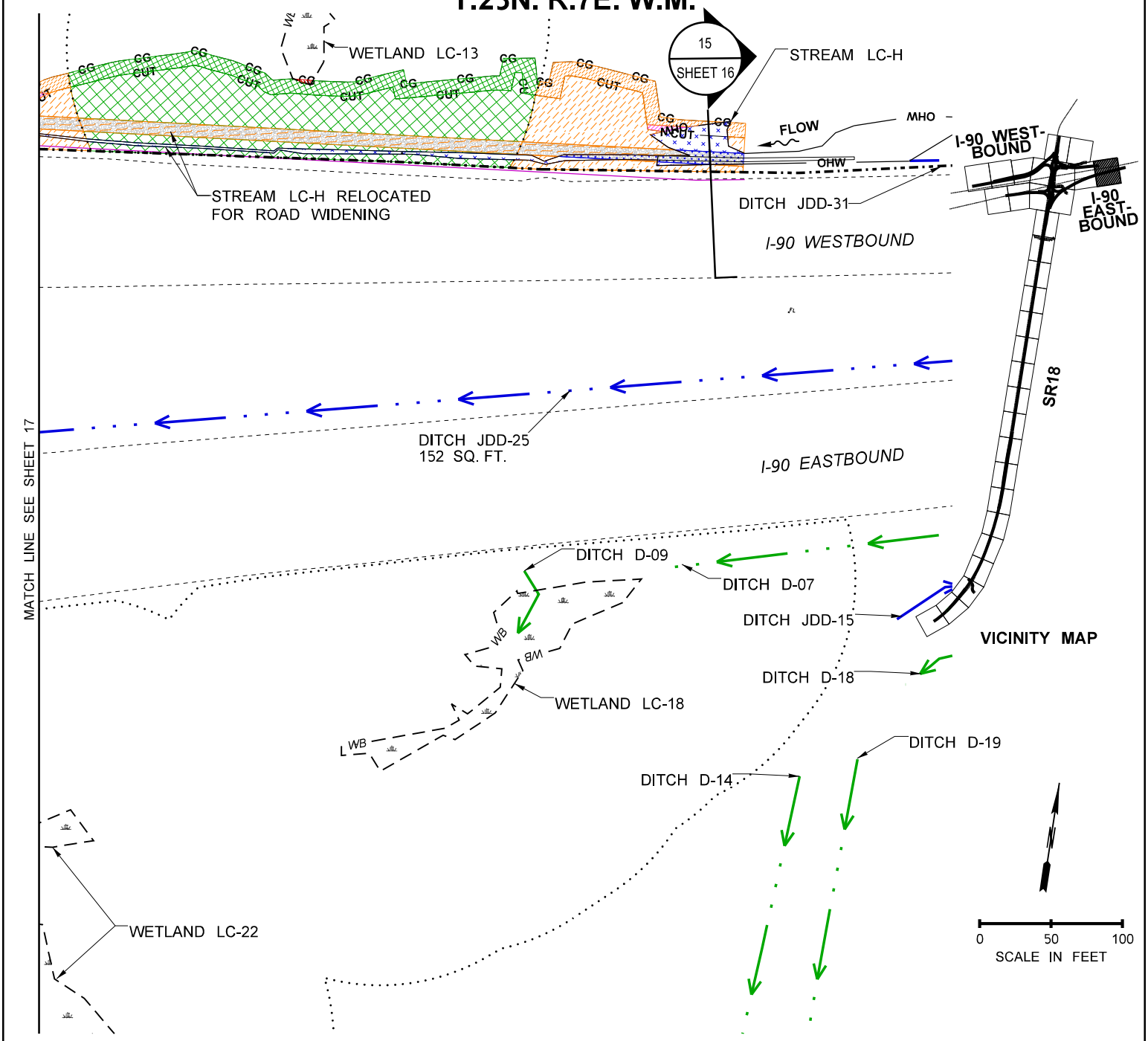
0 12.5 25
SCALE IN FEET

PROJECT NAME: I–90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W | S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State
Department of Transportation

SHEET: 14 OF: 132

T.23N. R.7E. W.M.



LEGEND

PERM. WETLAND IMPACT	TEMP. WETLAND IMPACT	PERM. STREAM BUFFER IMPACT	TEMP. STREAM BUFFER IMPACT	JD PERM. IMPACT	
PERM. WETLAND BUFFER IMPACT	TEMP. WETLAND BUFFER IMPACT	PERM. PIPED STREAM IMPACT	BUFFER TO STREAM CONVERSION	JD TEMP. IMPACT	
PERM. STREAM IMPACT	TEMP. STREAM IMPACT	BUFFER VEGETATION CONVERSION	WETLAND TO STREAM CONVERSION	INDIRECT IMPACTS	

WETLAND	EXISTING EOP	PROPOSED EOP
STREAM BED MATERIAL	EXISTING CULVERT	PROPOSED DITCH
RIPRAP MATERIAL	OHWM	CLEAR/GRUB LINE
PROPOSED CULVERT	JURISDICTIONAL DITCH	PROPOSED CUT
	EXISTING DITCH	PROPOSED FILL
	WETLAND BUFFER	PROPOSED FISH PASSAGE IMPACTS
	STREAM BUFFER	

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
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IMPACT SHEETS	DATE: JANUARY 20, 2022

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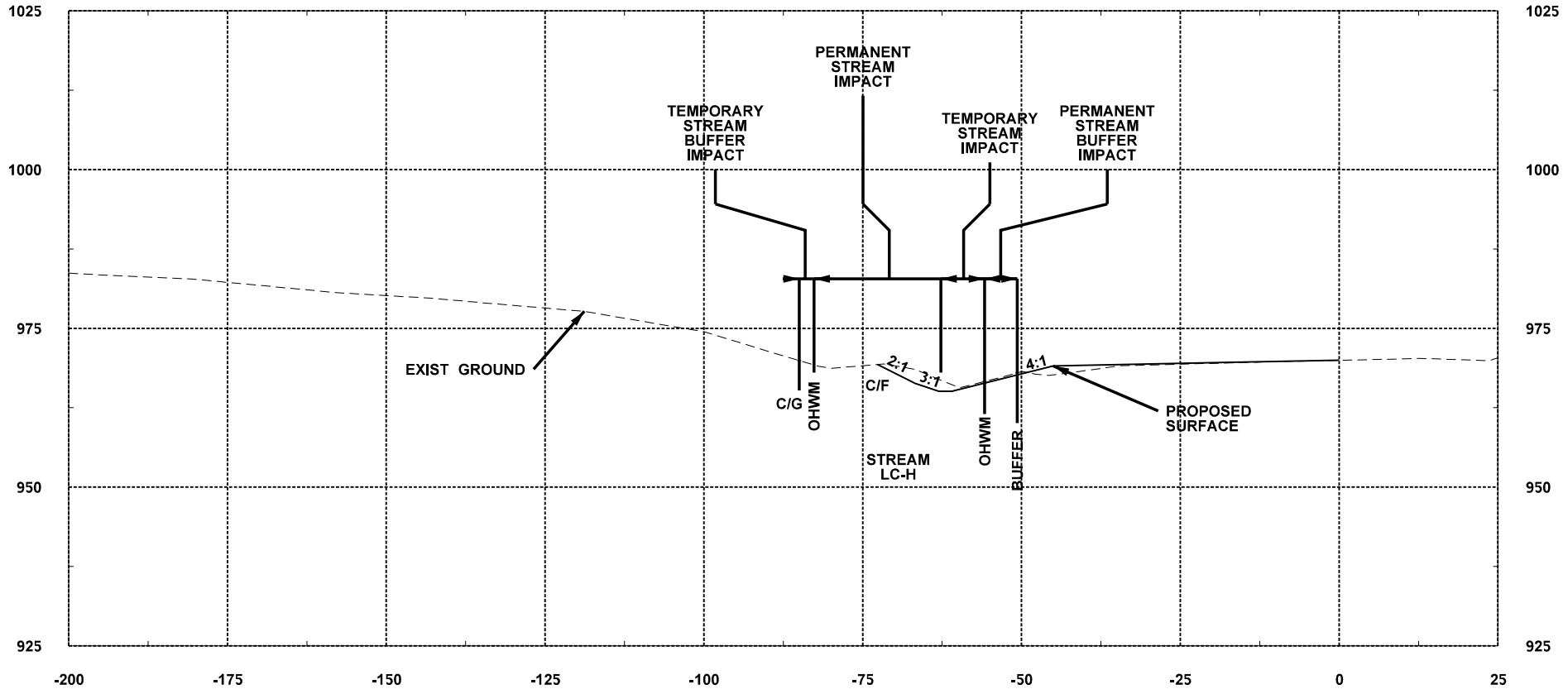

CROSS SECTION #15
(SEE MATCHED SHEET #15 OF 132)

N ⟷ S

WB = WETLAND BOUNDARY
OHWM = ORDINARY HIGH WATER MARK
C/G = CLEARING AND GRUBBING LIMIT
C/F = CUT AND FILL LIMIT

0 12.5 25
SCALE IN FEET

PROJECT NAME: I–90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
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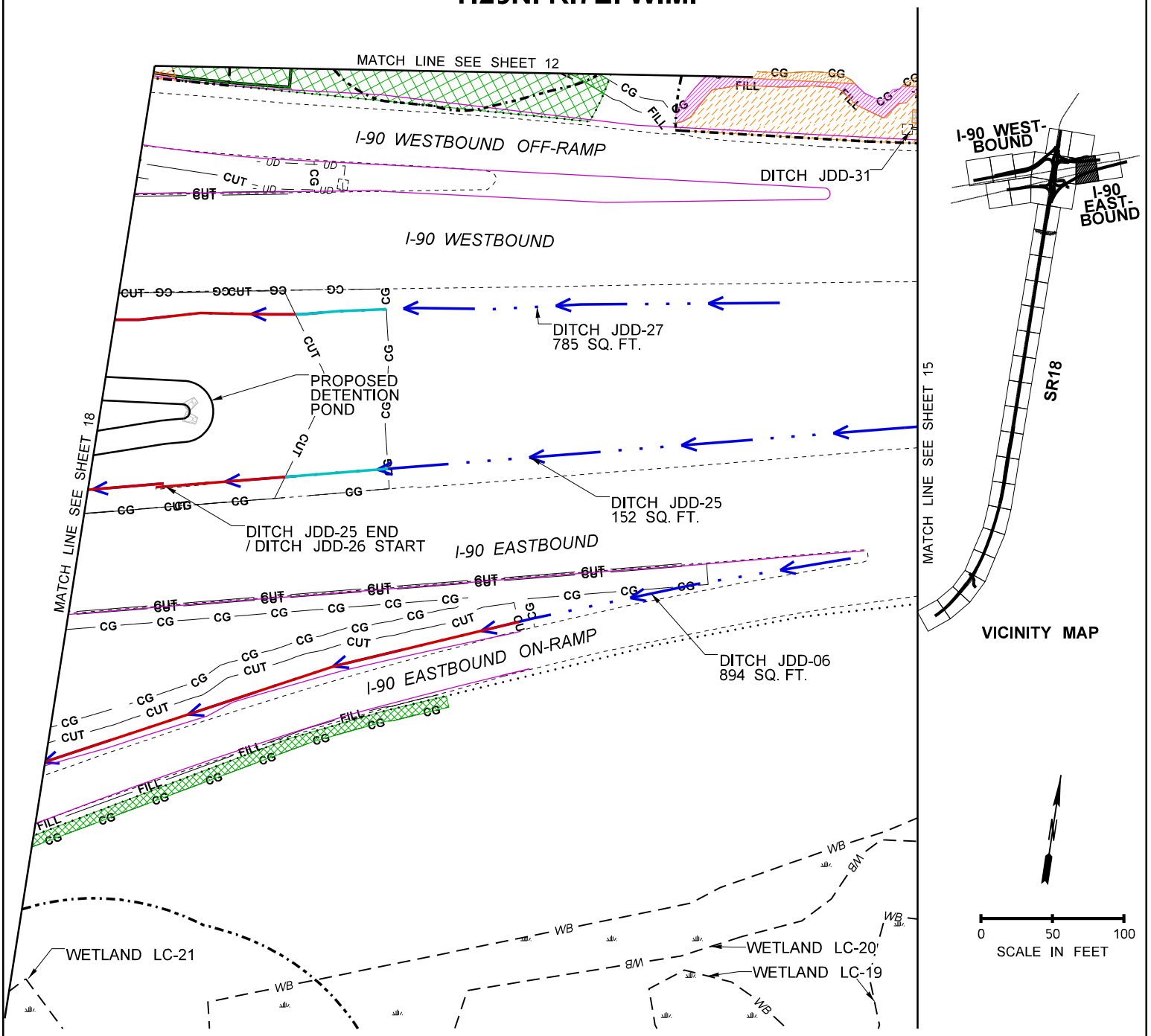
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State
Department of Transportation

SHEET: 16 OF: 132

T.23N. R.7E. W.M.



LEGEND

- PERM. WETLAND IMPACT
- TEMP. WETLAND IMPACT
- PERM. STREAM BUFFER IMPACT
- TEMP. STREAM BUFFER IMPACT
- JD PERM. IMPACT
- PERM. WETLAND BUFFER IMPACT
- TEMP. WETLAND BUFFER IMPACT
- PERM. PIPED STREAM IMPACT
- BUFFER TO STREAM CONVERSION
- JD TEMP. IMPACT
- PERM. STREAM IMPACT
- TEMP. STREAM IMPACT
- BUFFER VEGETATION CONVERSION
- WETLAND TO STREAM CONVERSION
- INDIRECT IMPACTS
- WETLAND
- STREAM BED MATERIAL
- RIPRAP MATERIAL
- PROPOSED CULVERT
- EXISTING EOP
- EXISTING CULVERT
- OHWM
- JURISDICTIONAL DITCH
- EXISTING DITCH
- WETLAND BUFFER
- STREAM BUFFER
- PROPOSED EOP
- PROPOSED DITCH
- CLEAR/GRUB LINE
- PROPOSED CUT
- PROPOSED FILL
- PROPOSED FISH PASSAGE IMPACTS

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
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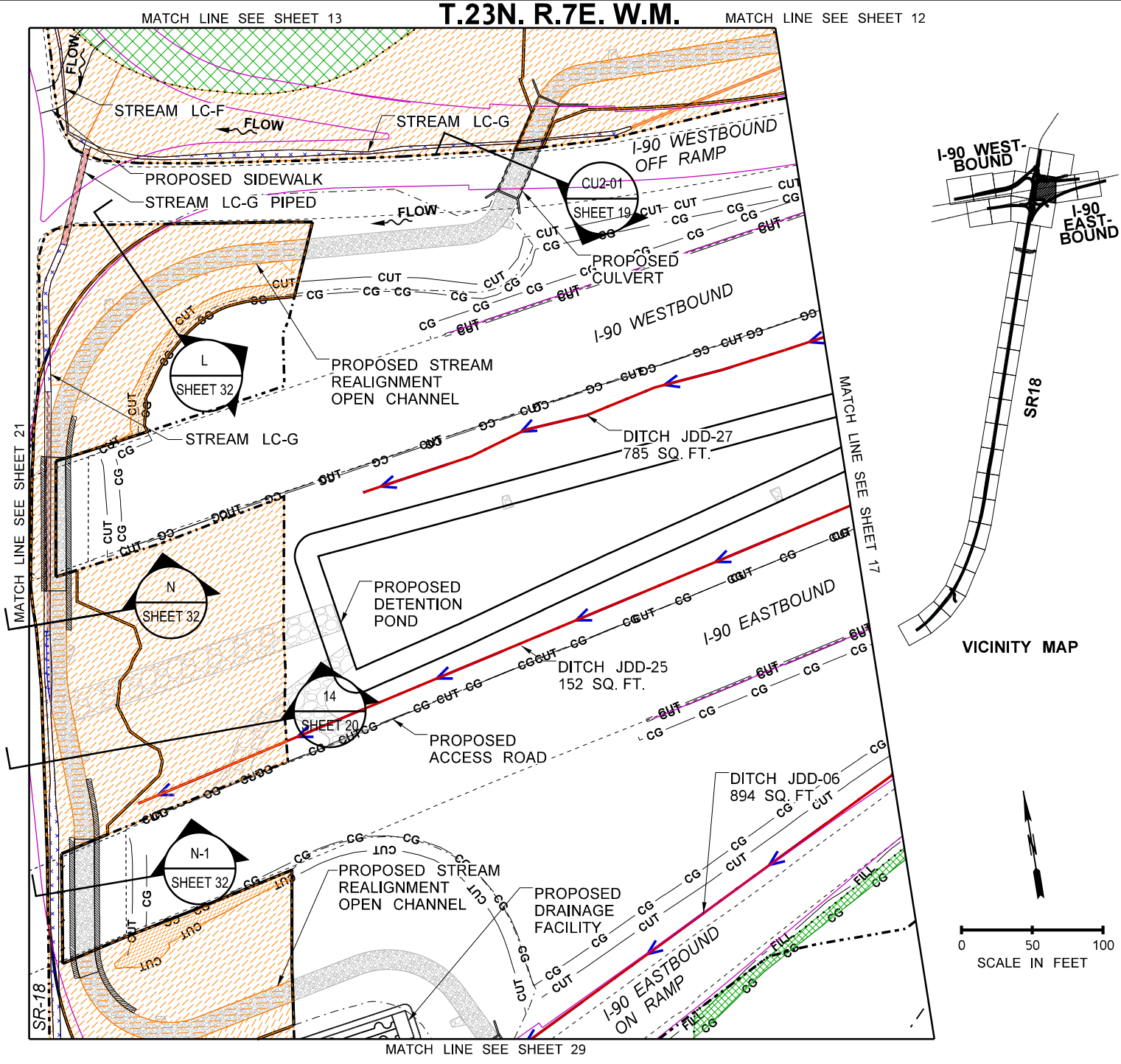
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 17 OF 132



LEGEND

PERM. WETLAND IMPACT	TEMP. WETLAND IMPACT	PERM. STREAM BUFFER IMPACT	TEMP. STREAM BUFFER IMPACT	JD PERM. IMPACT	
PERM. WETLAND BUFFER IMPACT	TEMP. WETLAND BUFFER IMPACT	PERM. PIPED STREAM IMPACT	BUFFER TO STREAM CONVERSION	JD TEMP. IMPACT	
PERM. STREAM IMPACT	TEMP. STREAM IMPACT	BUFFER VEGETATION CONVERSION	WETLAND TO STREAM CONVERSION	INDIRECT IMPACTS	
WETLAND	EXISTING EOP	PROPOSED EOP			
STREAM BED MATERIAL	EXISTING CULVERT	PROPOSED DITCH			
RIPRAP MATERIAL	OHWM	CLEAR/GRUB LINE			
PROPOSED CULVERT	JURISDICTIONAL DITCH	PROPOSED CUT			
	EXISTING DITCH	PROPOSED FILL			
	WETLAND BUFFER	PROPOSED FISH PASSAGE IMPACTS			
	STREAM BUFFER				

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
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IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

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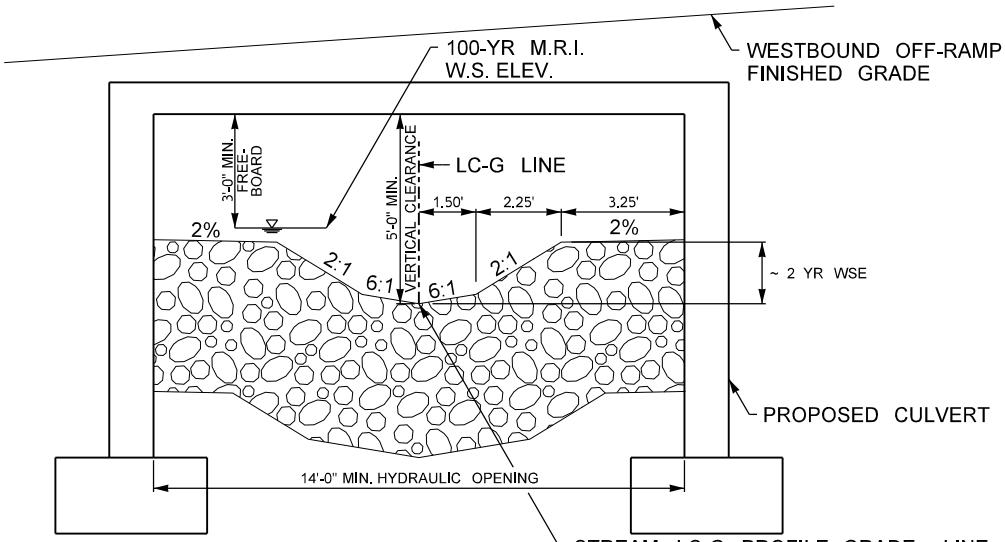
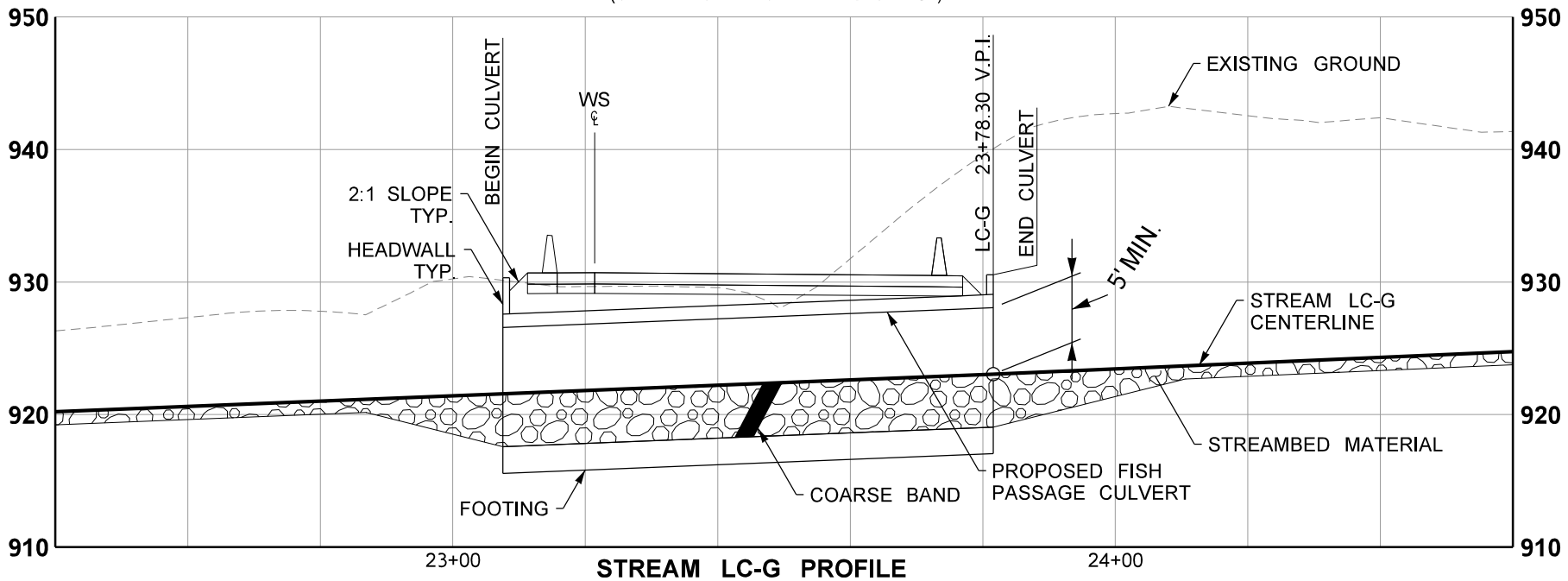


TYPICAL SECTION

SHOWN NEAR STA 23+50
FROM CONCEPTUAL DESIGN SHEET CU2-01
(SEE MATCHED SHEET #18 OF 132)



STREAM LC-G PROFILE

0 12.5 25
SCALE IN FEET

PROJECT NAME: I–90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
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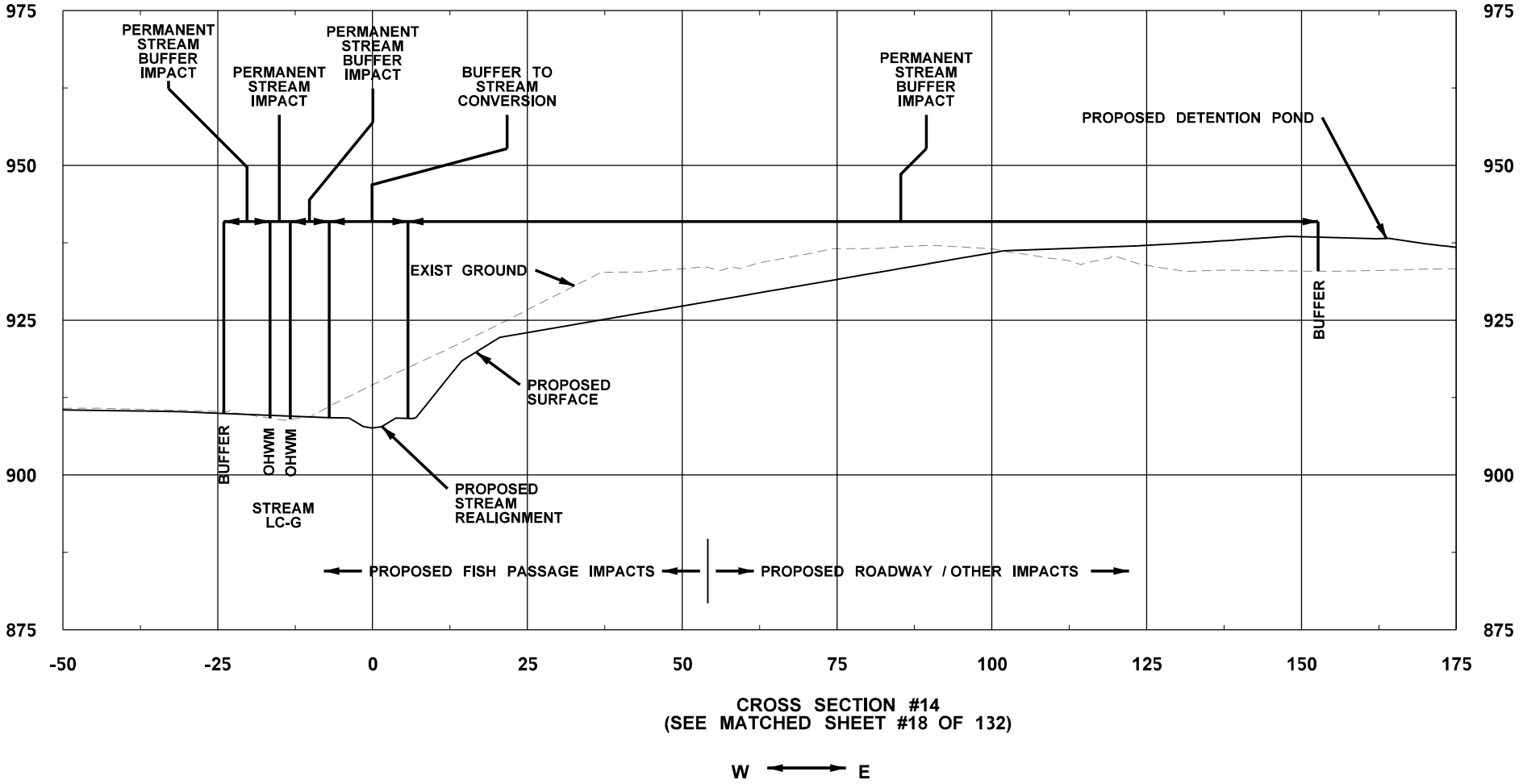
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State
Department of Transportation

SHEET: 19 OF: 132

T.23N. R.7E. W.M.



CROSS SECTION #14
(SEE MATCHED SHEET #18 OF 132)

W ⟷ E

WB = WETLAND BOUNDARY
OHWM = ORDINARY HIGH WATER MARK
C/G = CLEARING AND GRUBBING LIMIT
C/F = CUT AND FILL LIMIT

0 12.5 25
SCALE IN FEET

PROJECT NAME: I–90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
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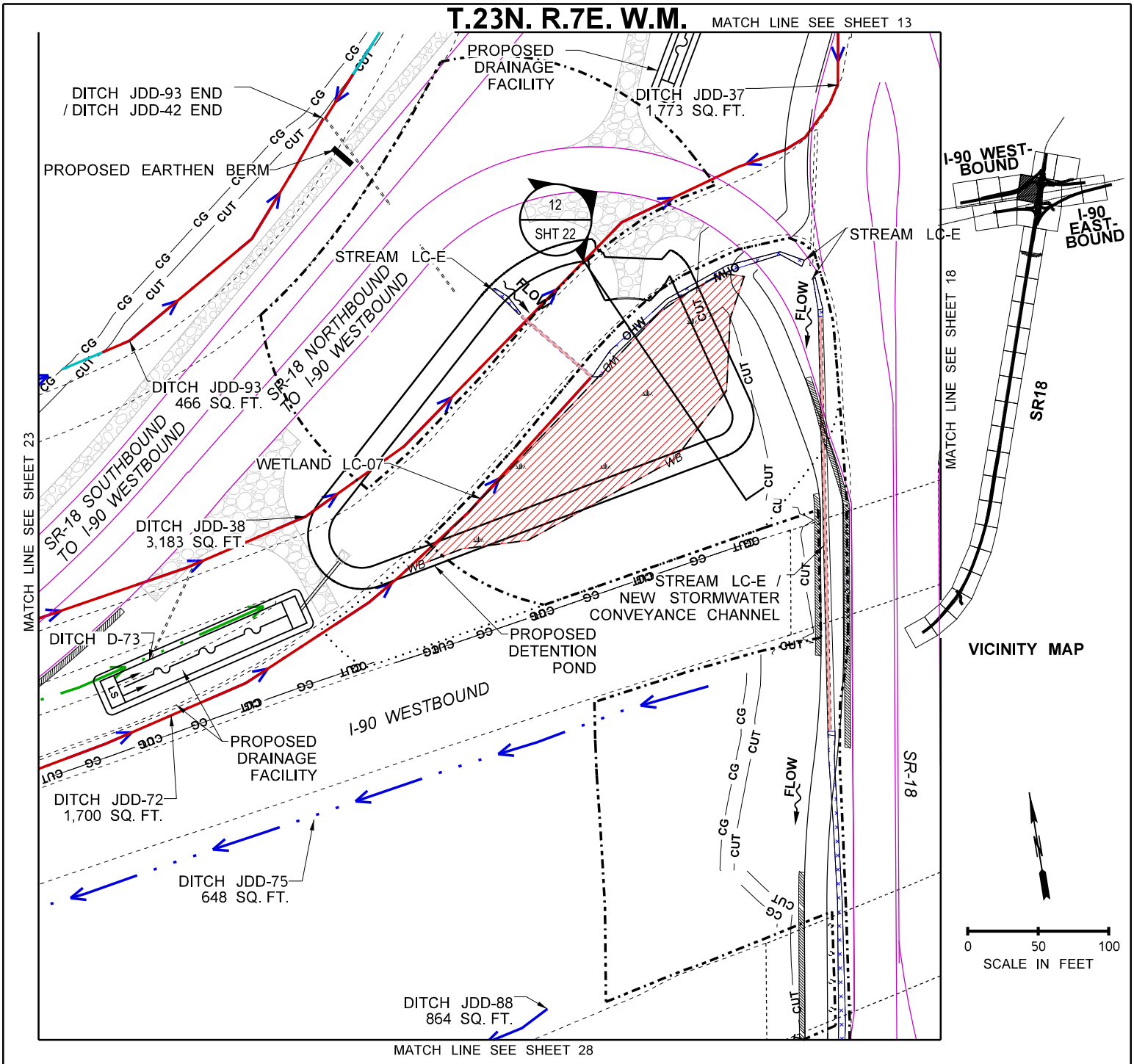
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State
Department of Transportation

SHEET: 20 OF: 132



LEGEND

PERM. WETLAND IMPACT
TEMP. WETLAND IMPACT
PERM. STREAM BUFFER IMPACT
TEMP. STREAM BUFFER IMPACT
JD PERM. IMPACT
PERM. WETLAND BUFFER IMPACT
TEMP. WETLAND BUFFER IMPACT
PERM. PIPED STREAM IMPACT
BUFFER TO STREAM CONVERSION
JD TEMP. IMPACT
PERM. STREAM IMPACT
TEMP. STREAM IMPACT
BUFFER VEGETATION CONVERSION
WETLAND TO STREAM CONVERSION
INDIRECT IMPACTS

WETLAND
STREAM BED MATERIAL
RIPRAP MATERIAL
PROPOSED CULVERT
EXISTING EOP
EXISTING CULVERT
OHWM
JURISDICTIONAL DITCH
EXISTING DITCH
WETLAND BUFFER
STREAM BUFFER
PROPOSED EOP
PROPOSED DITCH
CLEAR/GRUB LINE
PROPOSED CUT
PROPOSED FILL
PROPOSED FISH PASSAGE IMPACTS

GENERAL NOTE:

1. NO BUFFER IMPACTS SHOWN FOR WETLAND LC-07 BECAUSE IT IS FULLY IMPACTED (FILLED) BY PROJECT

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
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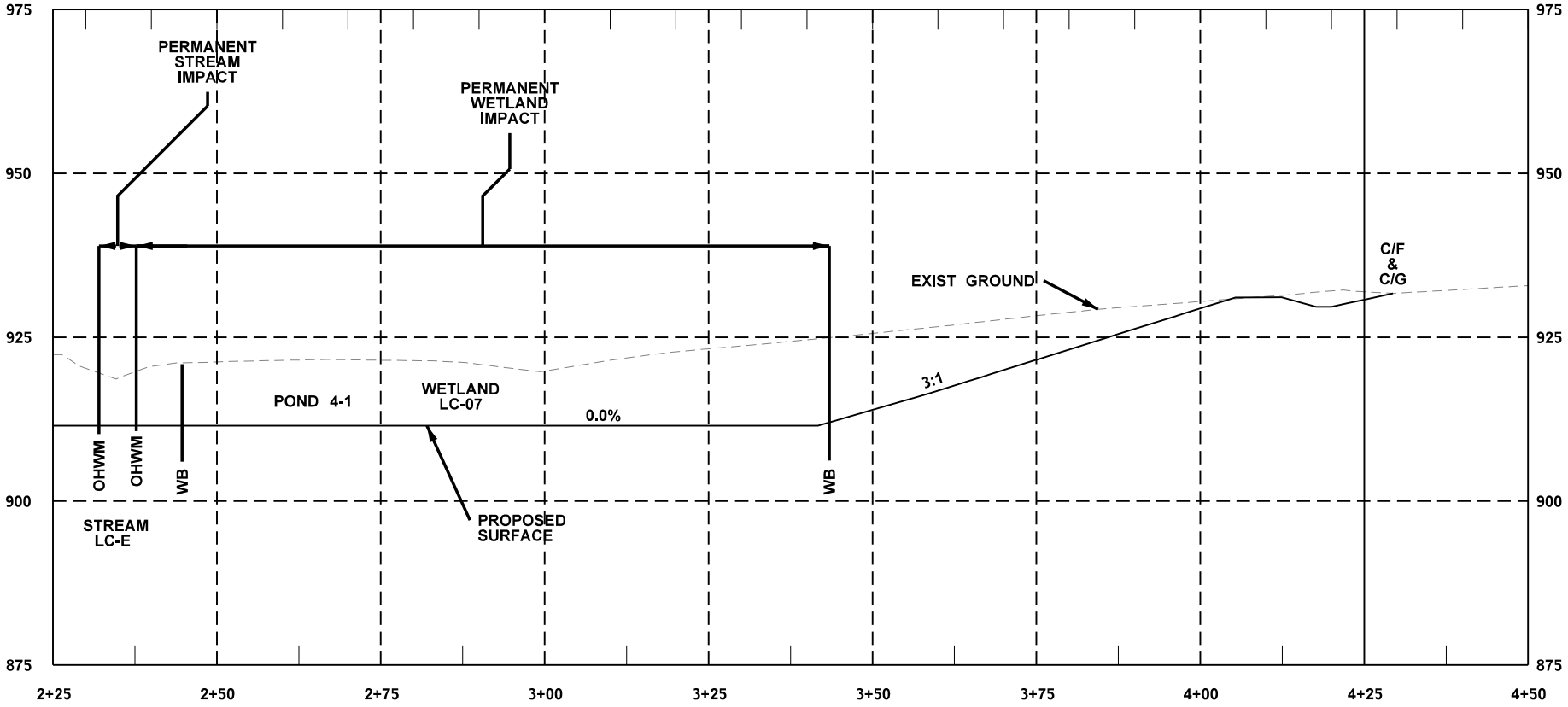
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 21 OF 132

T.23N. R.7E. W.M.



CROSS SECTION #12
(SEE MATCHED SHEET #21 OF 132)

N ⟷ S

WB = WETLAND BOUNDARY
OHWM = ORDINARY HIGH WATER MARK
C/G = CLEARING AND GRUBBING LIMIT
C/F = CUT AND FILL LIMIT

0 12.5 25
SCALE IN FEET

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS-2019-115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
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DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
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Department of Transportation

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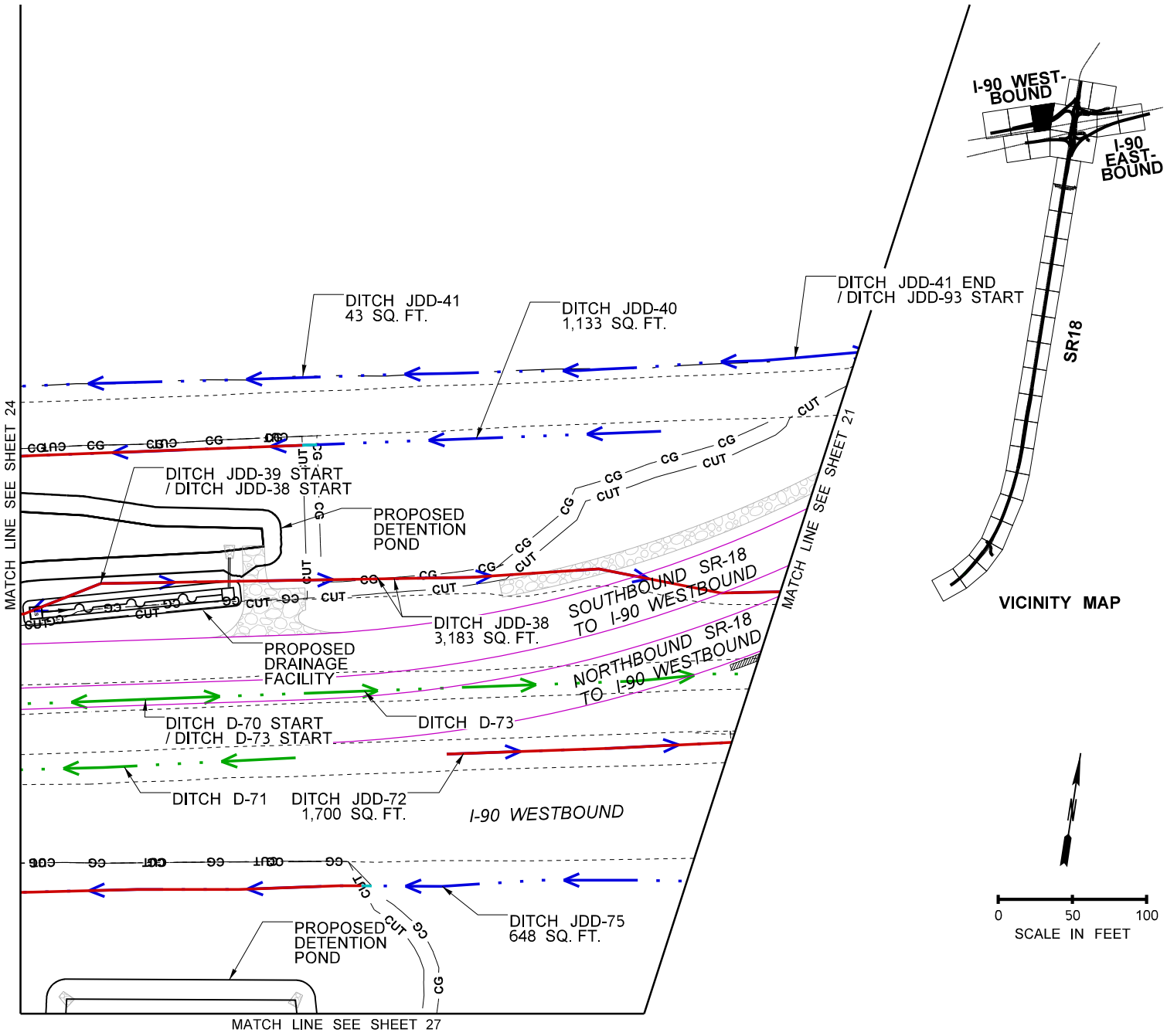


LEGEND

PERM. WETLAND IMPACT	TEMP. WETLAND IMPACT	PERM. STREAM BUFFER IMPACT	TEMP. STREAM BUFFER IMPACT	JD PERM. IMPACT	
PERM. WETLAND BUFFER IMPACT	TEMP. WETLAND BUFFER IMPACT	PERM. PIPED STREAM IMPACT	BUFFER TO STREAM CONVERSION	JD TEMP. IMPACT	
PERM. STREAM IMPACT	TEMP. STREAM IMPACT	BUFFER VEGETATION CONVERSION	WETLAND TO STREAM CONVERSION	INDIRECT IMPACTS	

WETLAND	EXISTING EOP	PROPOSED EOP
STREAM BED MATERIAL	EXISTING CULVERT	PROPOSED DITCH
RIPRAP MATERIAL	OHWM	CLEAR/GRUB LINE
PROPOSED CULVERT	JURISDICTIONAL DITCH	PROPOSED CUT
	EXISTING DITCH	PROPOSED FILL
	WETLAND BUFFER	PROPOSED FISH PASSAGE IMPACTS
	STREAM BUFFER	

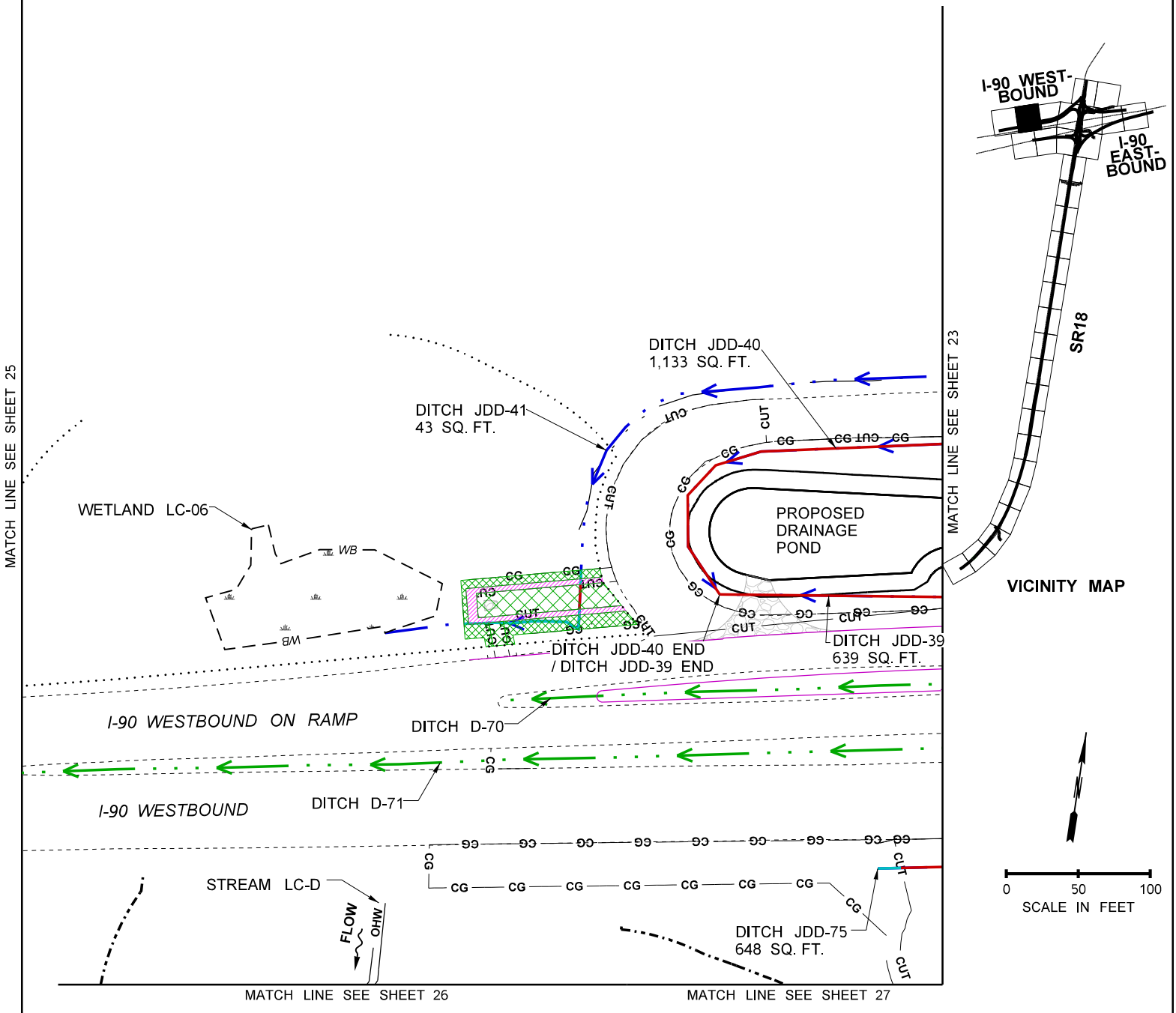
PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W|S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State
Department of Transportation

SHEET: 23 OF 132

T.23N. R.7E. W.M.



LEGEND

PERM. WETLAND IMPACT	TEMP. WETLAND IMPACT	PERM. STREAM BUFFER IMPACT	TEMP. STREAM BUFFER IMPACT	JD PERM. IMPACT	
PERM. WETLAND BUFFER IMPACT	TEMP. WETLAND BUFFER IMPACT	PERM. PIPED STREAM IMPACT	BUFFER TO STREAM CONVERSION	JD TEMP. IMPACT	
PERM. STREAM IMPACT	TEMP. STREAM IMPACT	BUFFER VEGETATION CONVERSION	WETLAND TO STREAM CONVERSION	INDIRECT IMPACTS	

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	EXISTING DITCH	PROPOSED FILL
	WETLAND BUFFER	PROPOSED FISH PASSAGE IMPACTS
	STREAM BUFFER	

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
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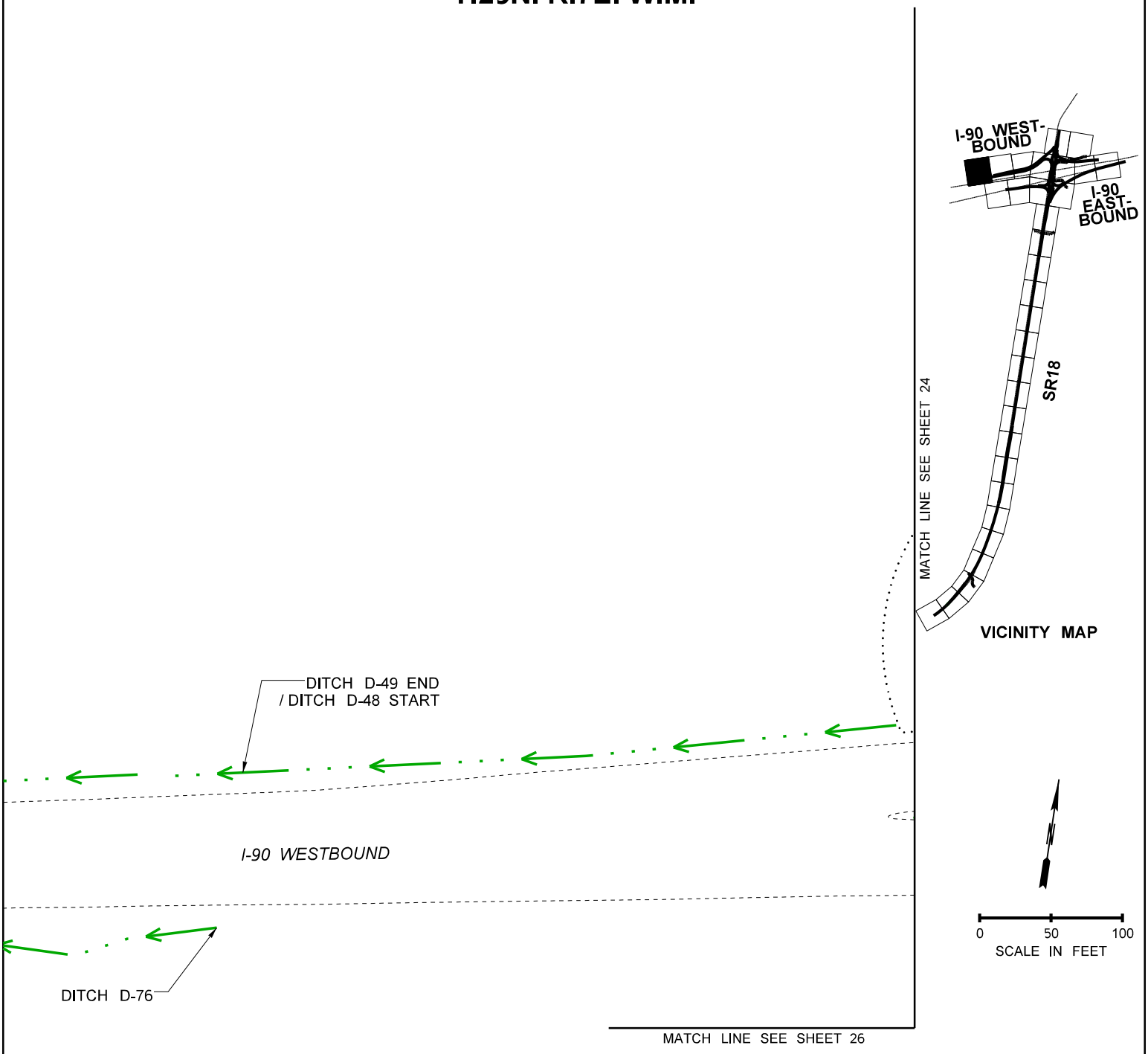
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 24 OF 132

T.23N. R.7E. W.M.



LEGEND

PERM. WETLAND IMPACT	TEMP. WETLAND IMPACT	PERM. STREAM BUFFER IMPACT	TEMP. STREAM BUFFER IMPACT	JD PERM. IMPACT
PERM. WETLAND BUFFER IMPACT	TEMP. WETLAND BUFFER IMPACT	PERM. PIPED STREAM IMPACT	BUFFER TO STREAM CONVERSION	JD TEMP. IMPACT
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PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
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IMPACT SHEETS	DATE: JANUARY 20, 2022

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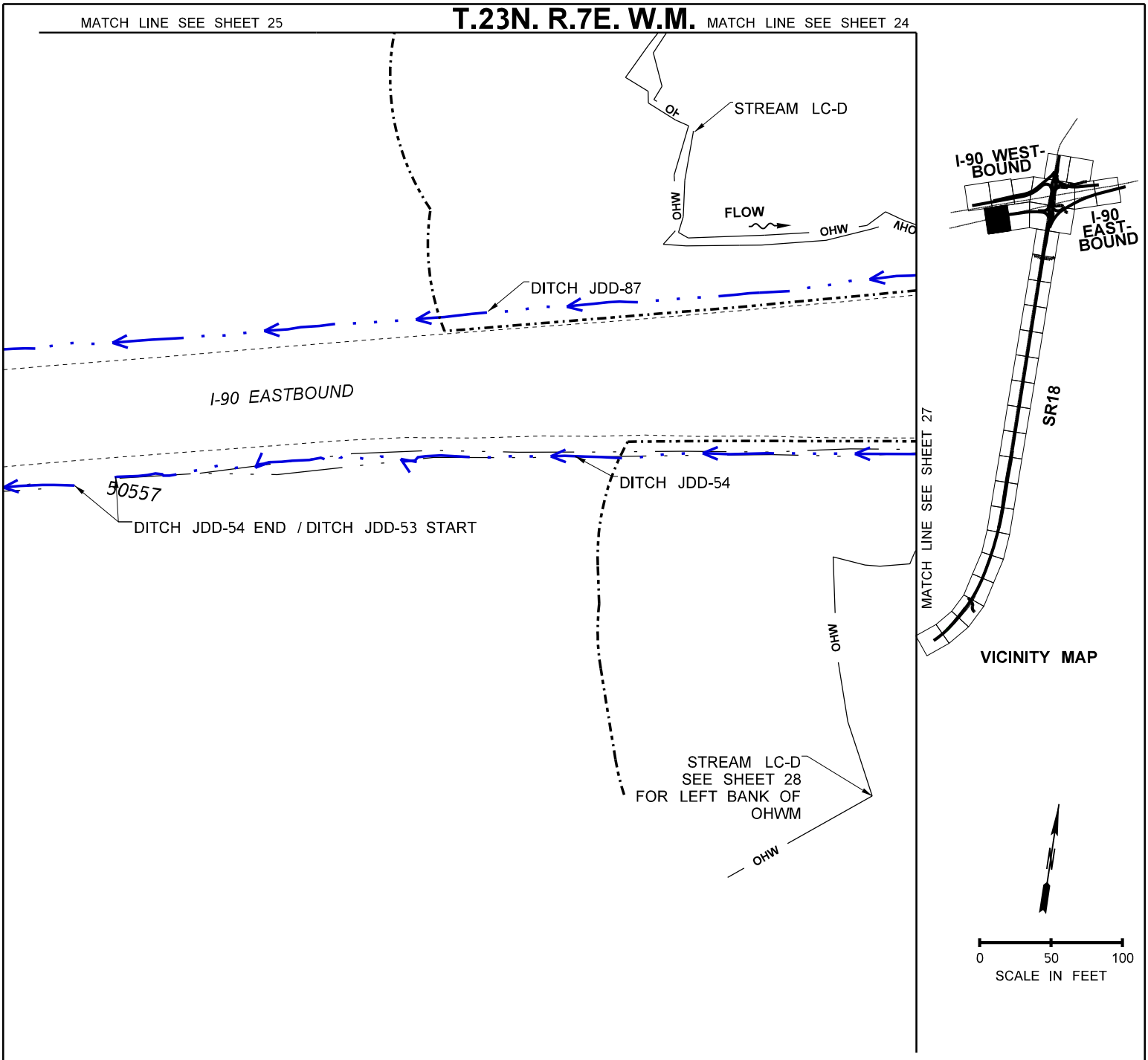

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PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

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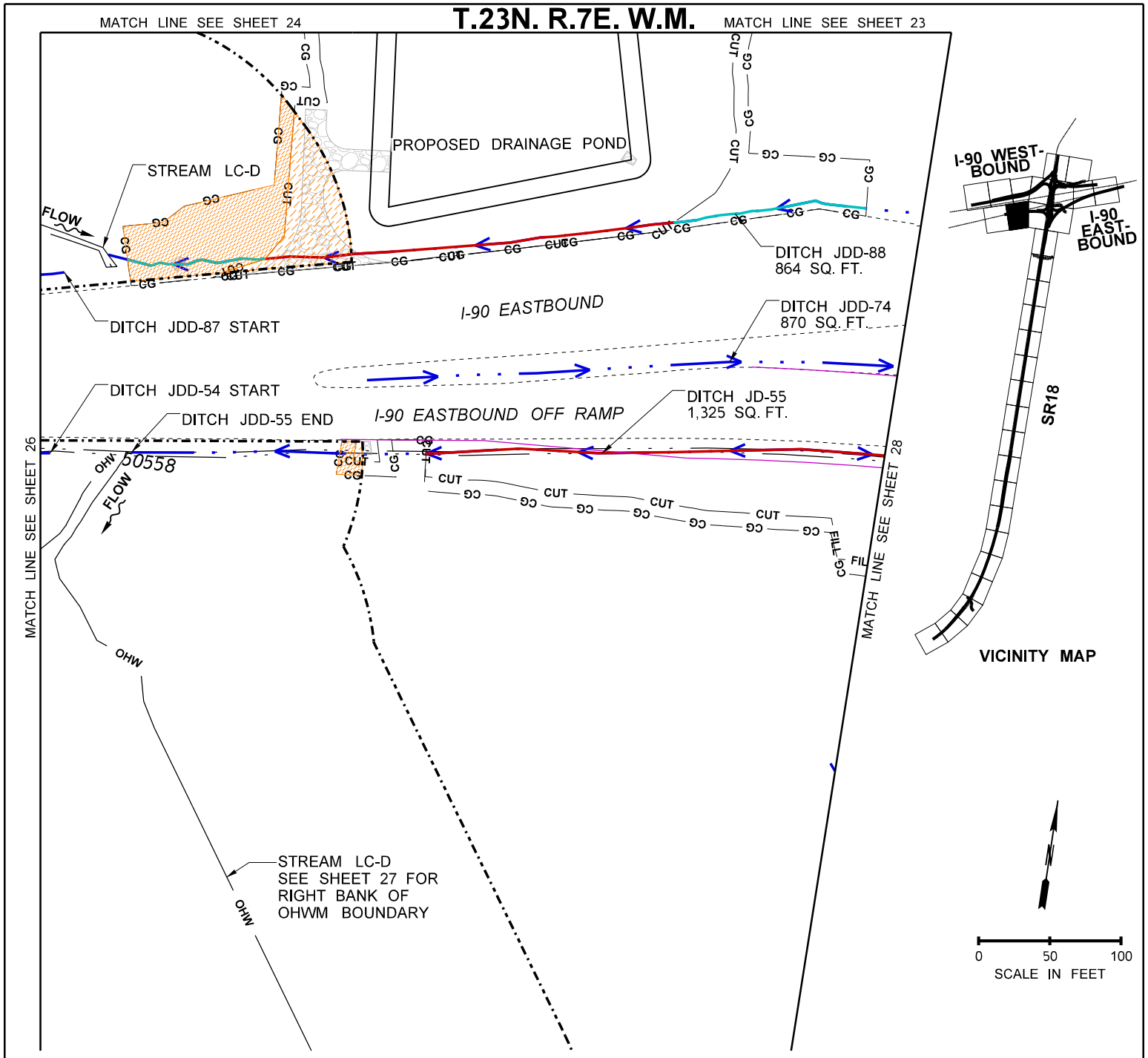
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation



LEGEND

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	WETLAND BUFFER	PROPOSED FISH PASSAGE IMPACTS
	STREAM BUFFER	

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15
BANK FULL WIDTH	
WDFW SITE ID	
ANTICIPATED CONST.	

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
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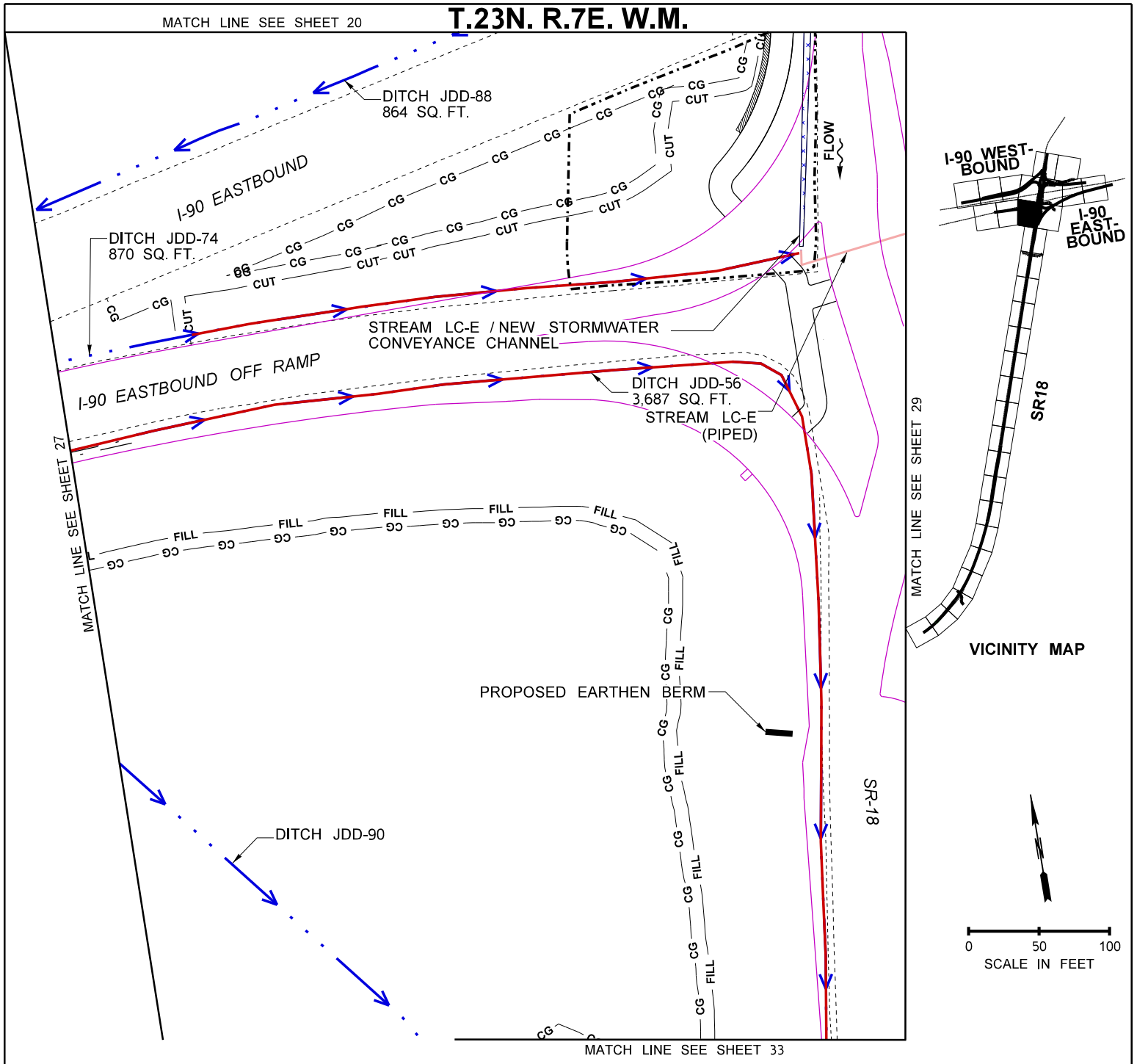
IMPACT SHEETS	DATE: JUNE 14, 2021

Washington State Department of Transportation

SHEET: 27 OF 132



LEGEND

PERM. WETLAND IMPACT	TEMP. WETLAND IMPACT	PERM. STREAM BUFFER IMPACT	TEMP. STREAM BUFFER IMPACT	JD PERM. IMPACT	
PERM. WETLAND BUFFER IMPACT	TEMP. WETLAND BUFFER IMPACT	PERM. PIPED STREAM IMPACT	BUFFER TO STREAM CONVERSION	JD TEMP. IMPACT	
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		STREAM BUFFER			

PROJECT DATA	
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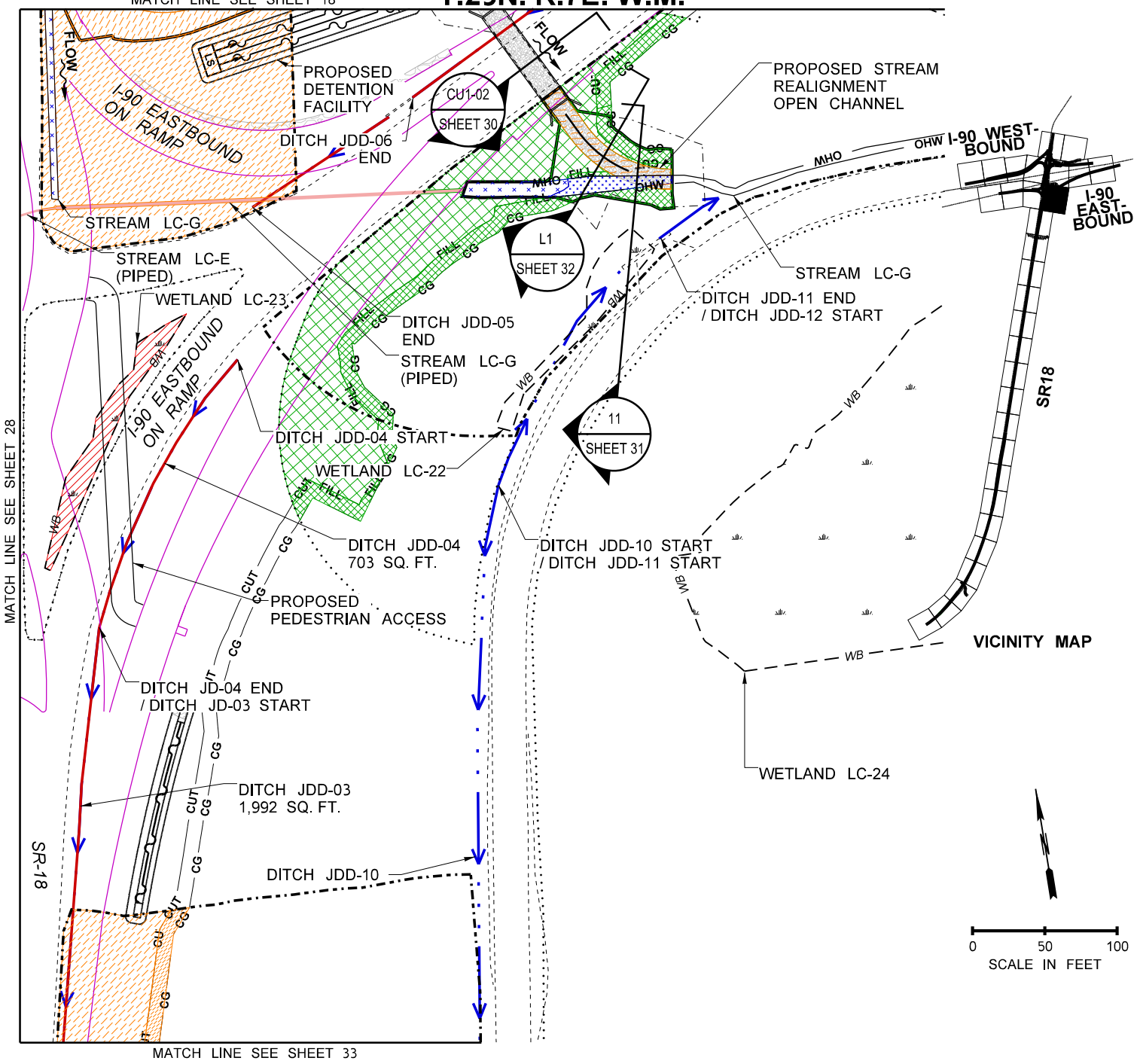
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 28 OF 132

T.23N. R.7E. W.M.



LEGEND

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	STREAM BUFFER	

GENERAL NOTE:

1. PORTION OF STREAM LC-G TO REMAIN AS A BACKWATER CHANNEL POST-CONSTRUCTION

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
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Washington State Department of Transportation

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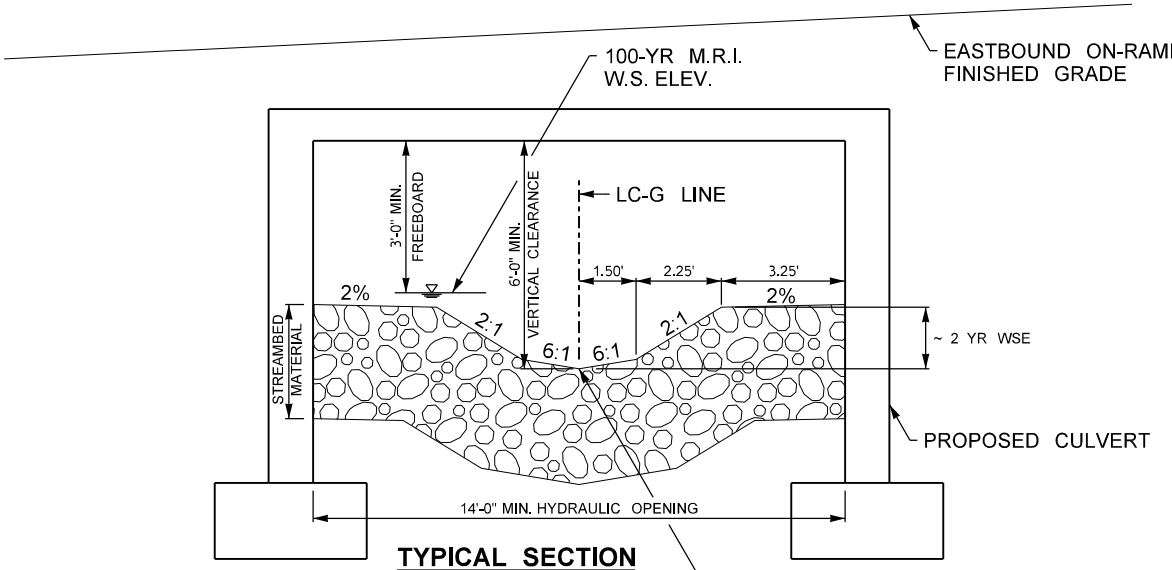
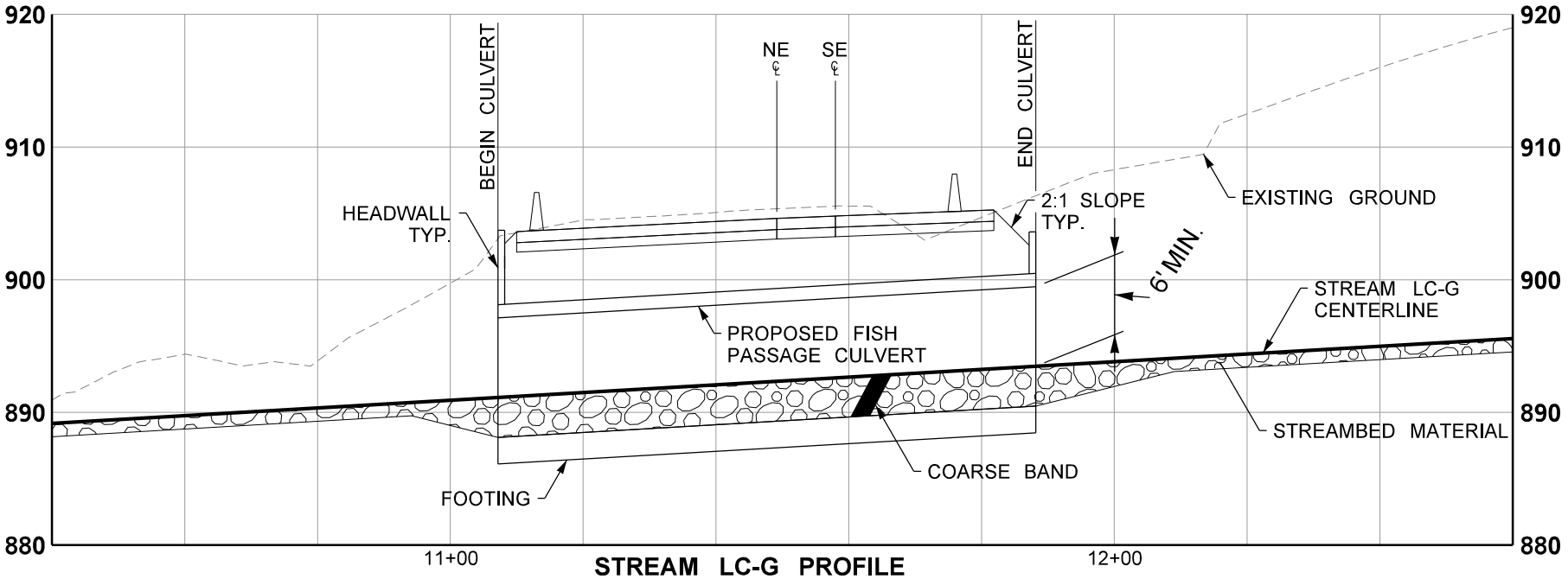


TYPICAL SECTION

SHOWN NEAR STA 11+50
SEE DESIGN SHEET CU2-02
(SEE MATCHED SHEET #29 OF 132)



STREAM LC-G PROFILE

0 12.5 25
SCALE IN FEET

PROJECT NAME: I–90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
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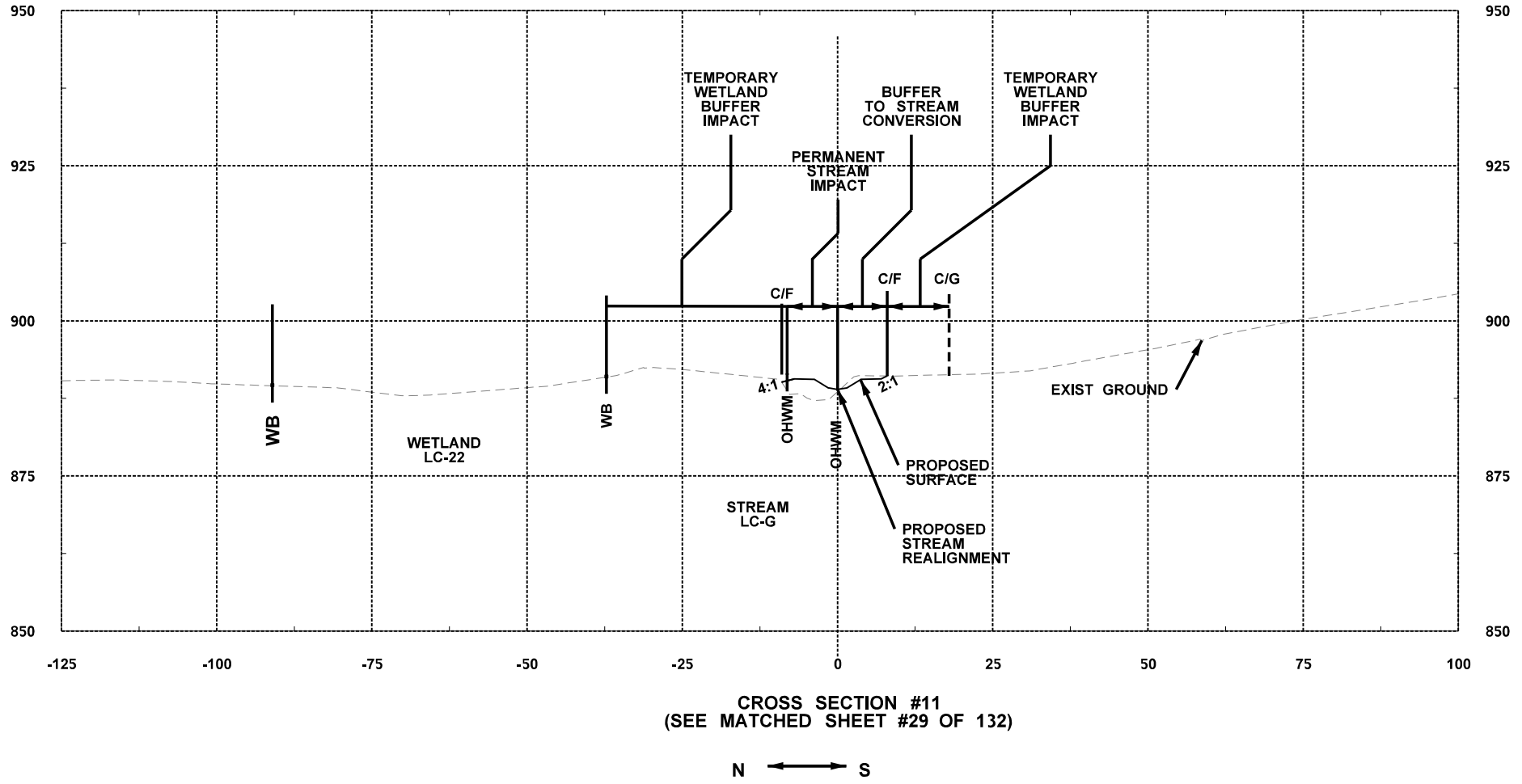
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State
Department of Transportation

SHEET: 30 OF: 132

T.23N. R.7E. W.M.



CROSS SECTION #11
(SEE MATCHED SHEET #29 OF 132)

N ⟷ S

WB = WETLAND BOUNDARY
OHWM = ORDINARY HIGH WATER MARK
C/G = CLEARING AND GRUBBING LIMIT
C/F = CUT AND FILL LIMIT

0 12.5 25
SCALE IN FEET

PROJECT NAME: I–90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
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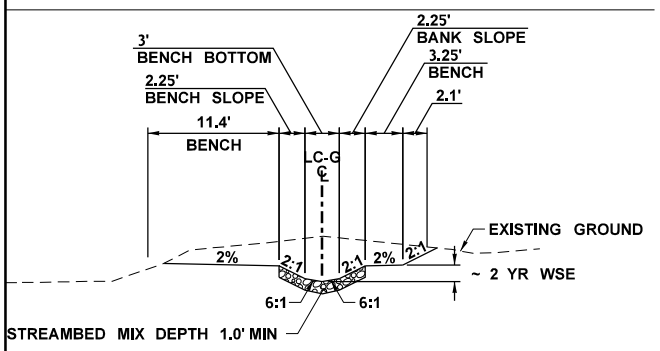
IMPACT SHEETS	DATE: JANUARY 20, 2022

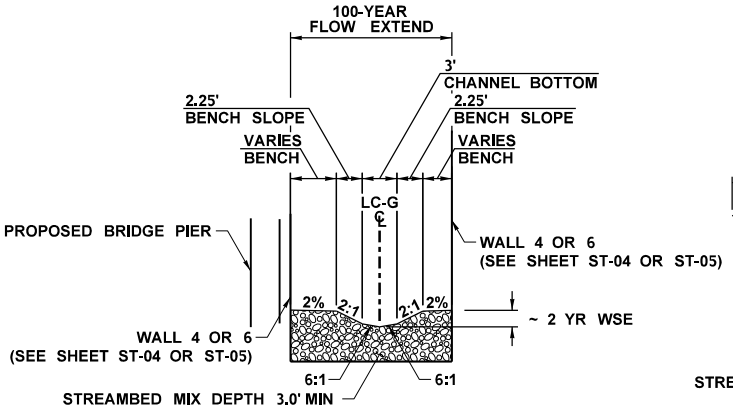
Washington State
Department of Transportation

SHEET: 31 OF: 132

T.23N. R.7E. W.M.



SECTION L-1 - STREAM LC-G
FROM CONCEPTUAL DESIGN SHEET FP3-10
(SEE MATCHED SHEET #29 OF 132)
STREAM RESTORATION TYPICAL SECTION
NTS



SECTION N - STREAM LC-G
FROM CONCEPTUAL DESIGN SHEET FP3-11
(SEE MATCHED SHEET #18 OF 132)
STREAM RESTORATION TYPICAL SECTION
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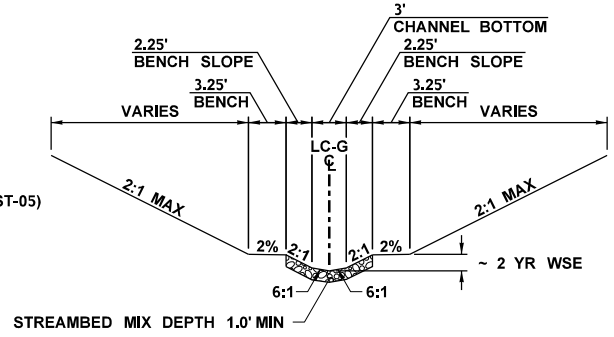
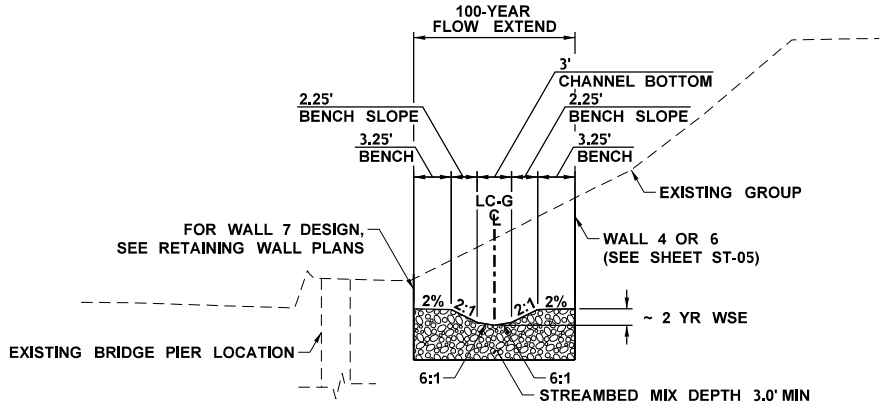
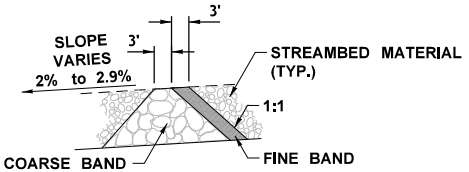


SECTION L - STREAM LC-G
FROM CONCEPTUAL DESIGN SHEET FP3-10
(SEE MATCHED SHEET #18 OF 132)
STREAM RESTORATION TYPICAL SECTION
NTS



SECTION N-1 - STREAM LC-G
FROM CONCEPTUAL DESIGN SHEET FP3-12
(SEE MATCHED SHEET #18 OF 132)
STREAM RESTORATION TYPICAL SECTION 4
NTS



ROCK SIZE AND COARSE BAND DEPTH TO BE DETERMINED BY SCOUR CALCULATIONS DURING FINAL DESIGN.

COARSE BAND DETAIL

GENERAL NOTES:
1. STREAMBED MIX: 30% STREAMBED SEDIMENT AND 70% 10-INCH STREAMBED COBBLES
2. CP = CONCEPTUAL PLANS

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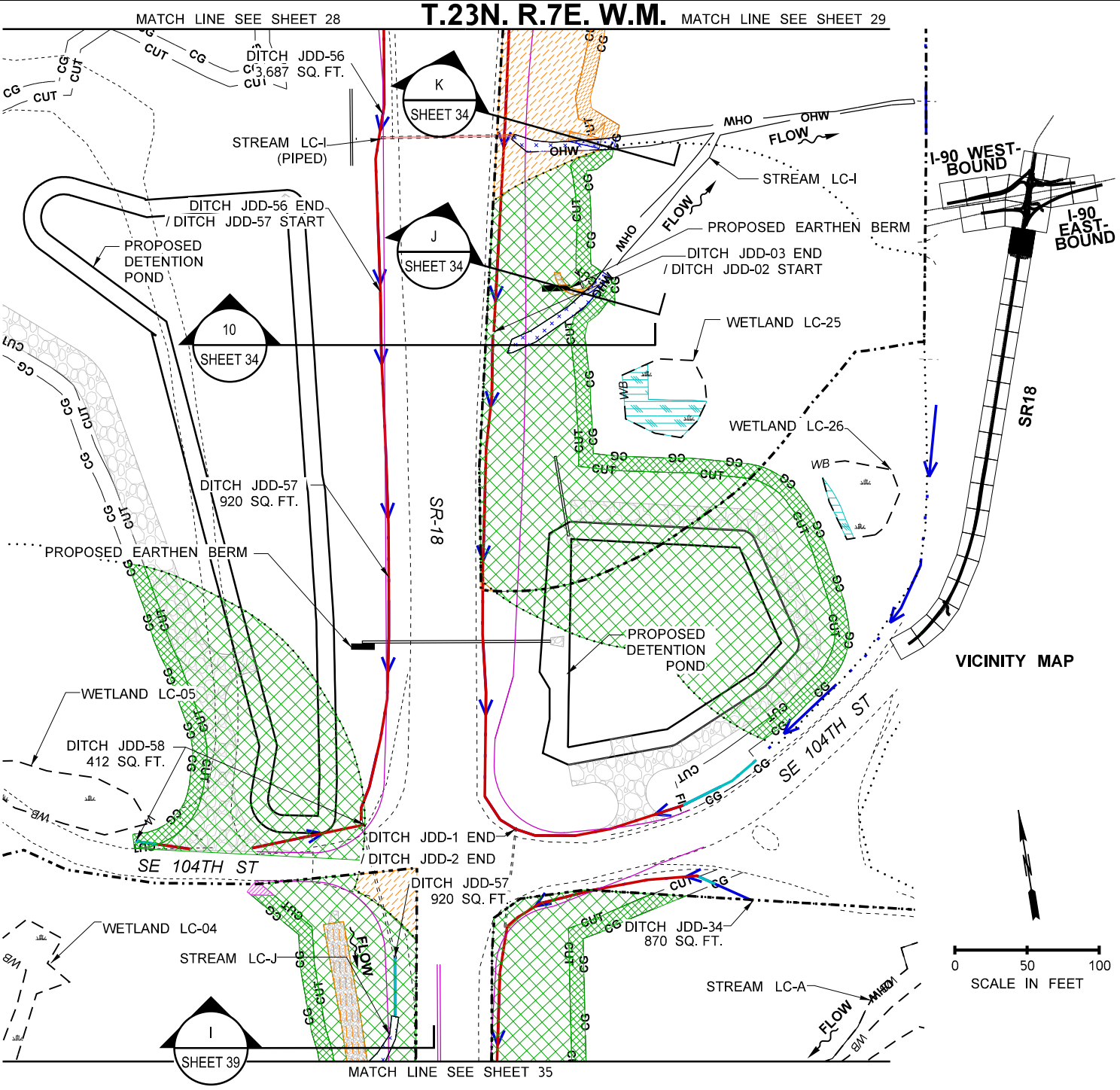
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State
Department of Transportation

SHEET: 32 OF: 132



LEGEND

- PERM. WETLAND IMPACT
- TEMP. WETLAND IMPACT
- PERM. STREAM BUFFER IMPACT
- TEMP. STREAM BUFFER IMPACT
- JD PERM. IMPACT
- PERM. WETLAND BUFFER IMPACT
- TEMP. WETLAND BUFFER IMPACT
- PERM. PIPED STREAM IMPACT
- BUFFER TO STREAM CONVERSION
- JD TEMP. IMPACT
- PERM. STREAM IMPACT
- TEMP. STREAM IMPACT
- BUFFER VEGETATION CONVERSION
- WETLAND TO STREAM CONVERSION
- INDIRECT IMPACTS
- WETLAND
- STREAM BED MATERIAL
- RIPRAP MATERIAL
- PROPOSED CULVERT
- EXISTING EOP
- EXISTING CULVERT
- OHWM
- JURISDICTIONAL DITCH
- EXISTING DITCH
- WETLAND BUFFER
- STREAM BUFFER
- PROPOSED EOP
- PROPOSED DITCH
- CLEAR/GRUB LINE
- PROPOSED CUT
- PROPOSED FILL
- PROPOSED FISH PASSAGE IMPACTS

GENERAL NOTES:

1. STREAM LC-I IMPACTS ASSOCIATED WITH ROADWAY EXPANSION AND STORMWATER TREATMENT FEATURES.
2. STREAM LC-J IMPACTS ASSOCIATED WITH ROADWAY EXPANSION.

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
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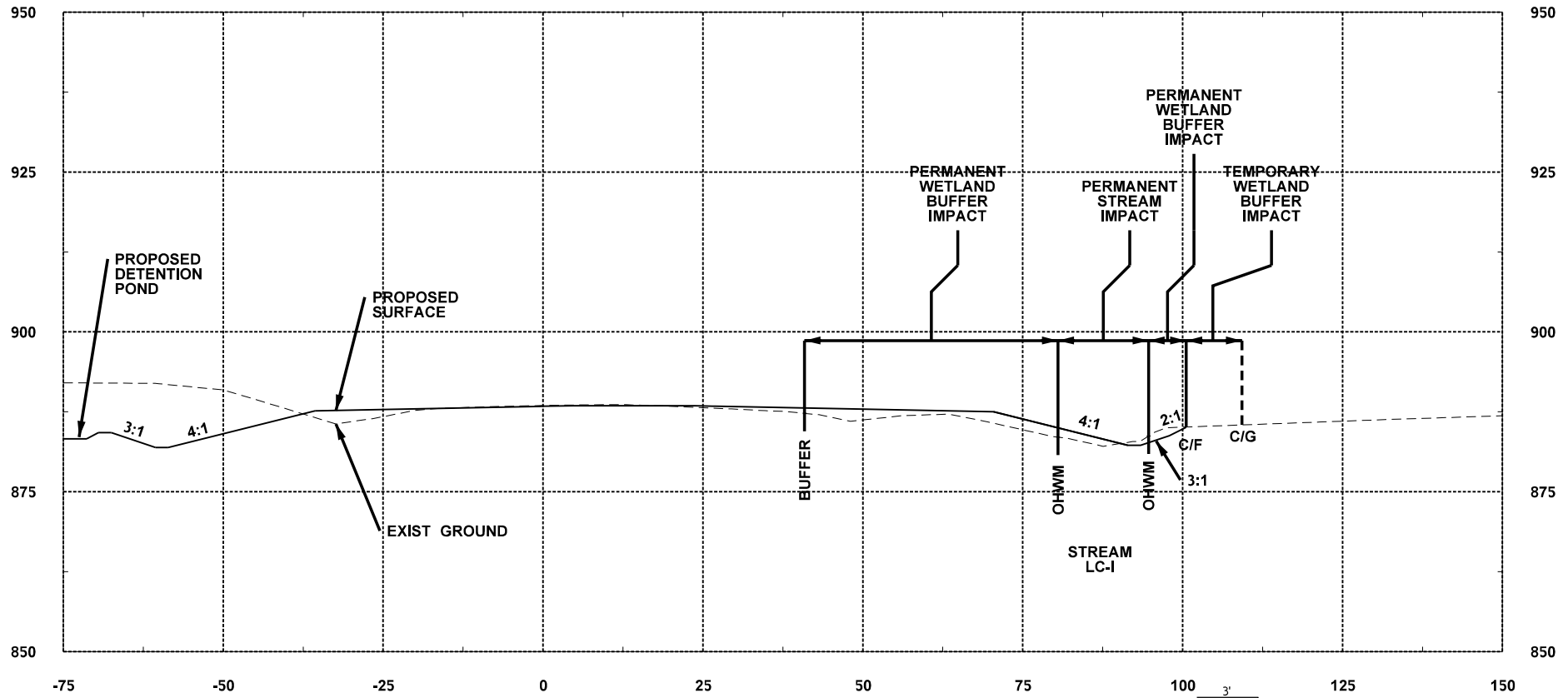
Washington State Department of Transportation

SHEET: 33 OF 132

T.23N. R.7E. W.M.



CROSS SECTION #10
(SEE MATCHED SHEET #33 OF 132)

W ⟷ E

WB = WETLAND BOUNDARY
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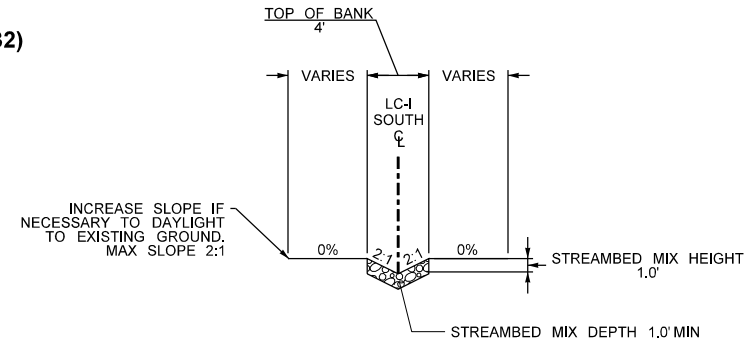
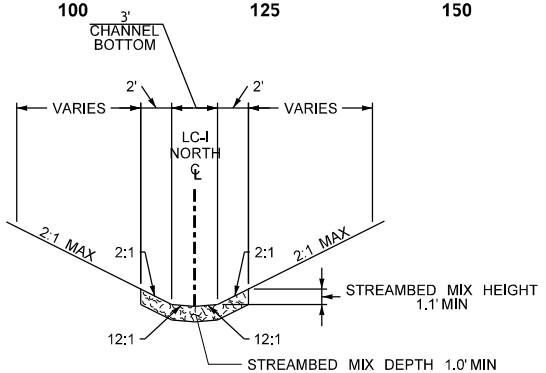


TYPICAL SECTION J

STATION
LC-I SOUTH 10+02.01 TO LC-I SOUTH 11+39.77
(SEE MATCHED SHEET #33 OF 132)
NTS



TYPICAL SECTION K

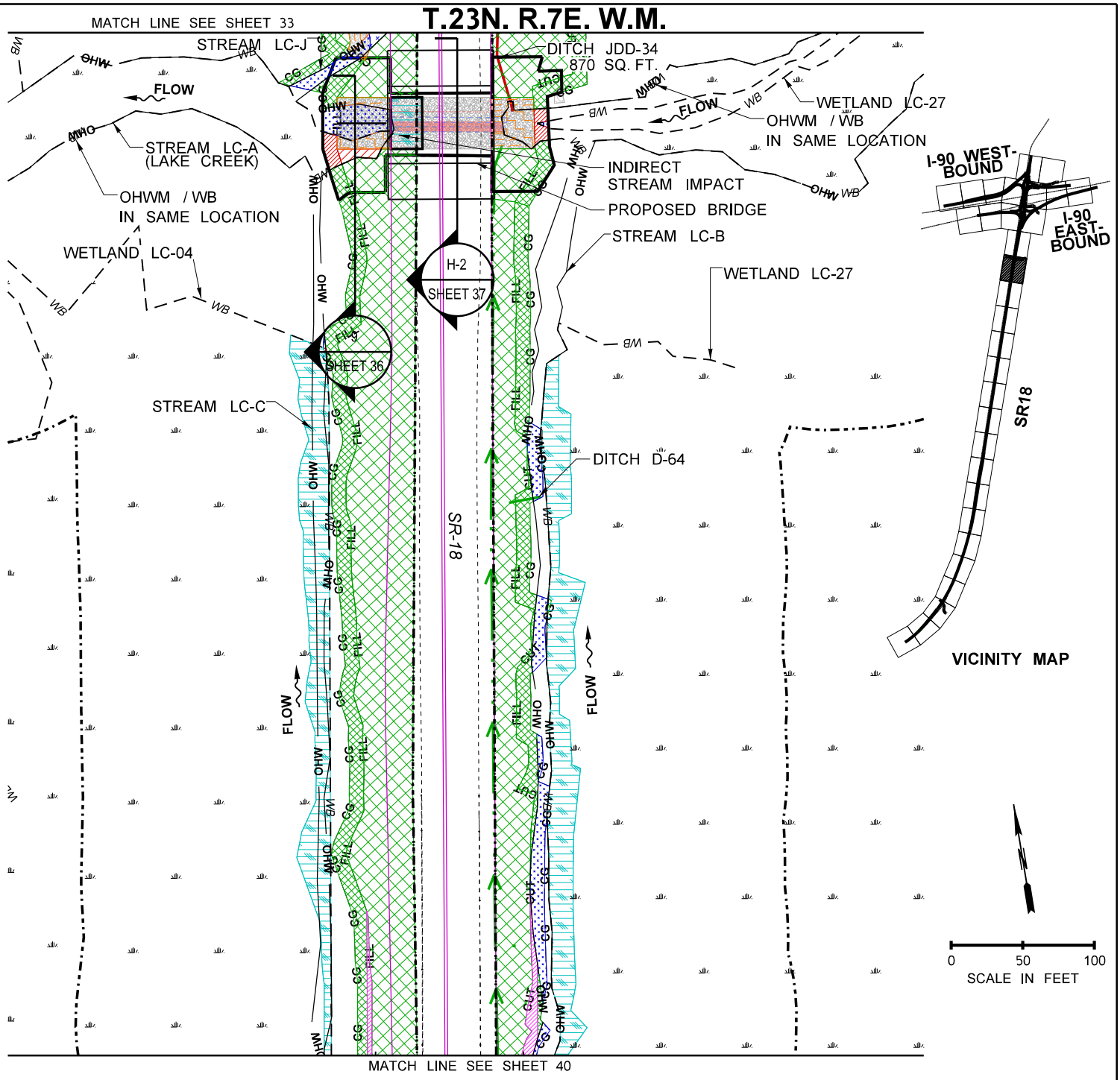
STATION
LC-I NORTH 12+19.33 TO LC-I NORTH 12+41.48
(SEE MATCHED SHEET #33 OF 132)
NTS

0 12.5 25
SCALE IN FEET

PROJECT NAME: I–90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W | S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 34 OF: 132



LEGEND

PERM. WETLAND IMPACT	TEMP. WETLAND IMPACT	PERM. STREAM BUFFER IMPACT	TEMP. STREAM BUFFER IMPACT	JD PERM. IMPACT	
PERM. WETLAND BUFFER IMPACT	TEMP. WETLAND BUFFER IMPACT	PERM. PIPED STREAM IMPACT	BUFFER TO STREAM CONVERSION	JD TEMP. IMPACT	
PERM. STREAM IMPACT	TEMP. STREAM IMPACT	BUFFER VEGETATION CONVERSION	WETLAND TO STREAM CONVERSION	INDIRECT IMPACTS	

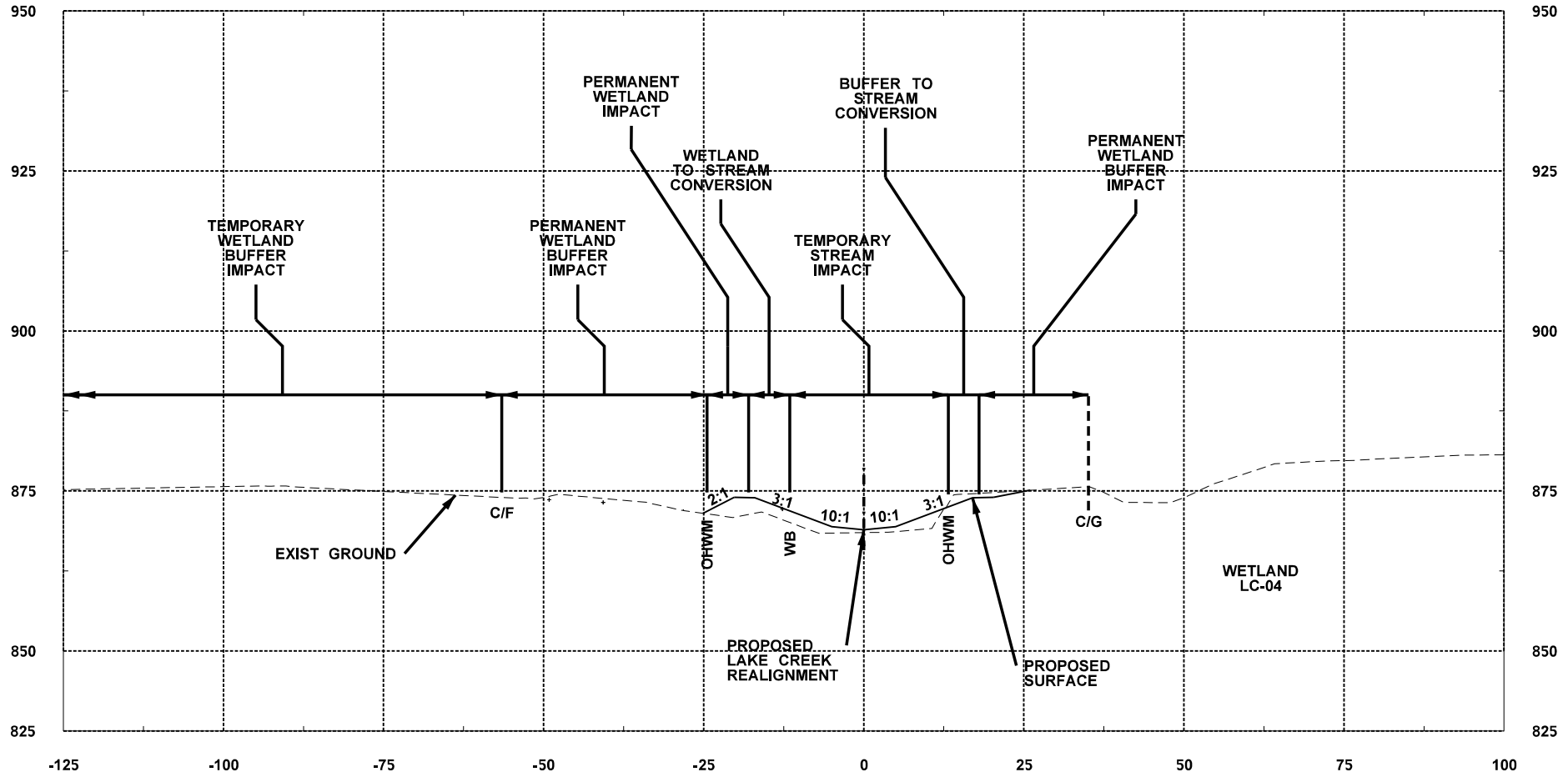
WETLAND	EXISTING EOP	PROPOSED EOP
STREAM BED MATERIAL	EXISTING CULVERT	PROPOSED DITCH
RIPRAP MATERIAL	OHWM	CLEAR/GRUB LINE
PROPOSED CULVERT	JURISDICTIONAL DITCH	PROPOSED CUT
	EXISTING DITCH	PROPOSED FILL
	WETLAND BUFFER	PROPOSED FISH PASSAGE IMPACTS
	STREAM BUFFER	

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W|S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

T.23N. R.7E. W.M.



CROSS SECTION #9
(SEE MATCHED SHEET #35 OF 132)

N ⟷ S

WB = WETLAND BOUNDARY
OHWM = ORDINARY HIGH WATER MARK
C/G = CLEARING AND GRUBBING LIMIT
C/F = CUT AND FILL LIMIT

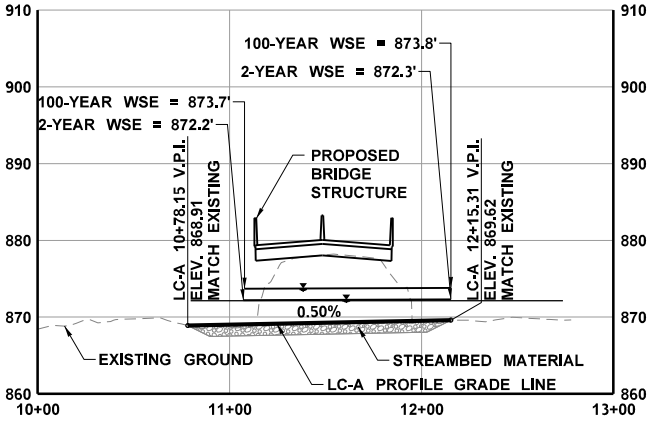
0 12.5 25
SCALE IN FEET

PROJECT NAME: I–90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W | S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

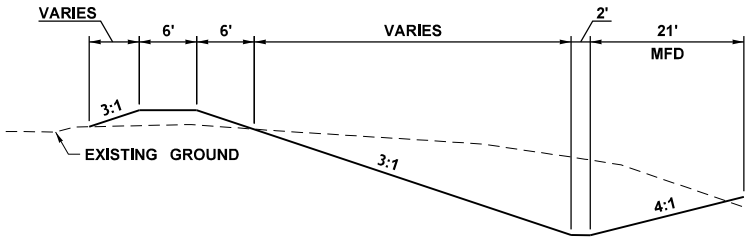
Washington State
Department of Transportation

SHEET: 36 OF: 132

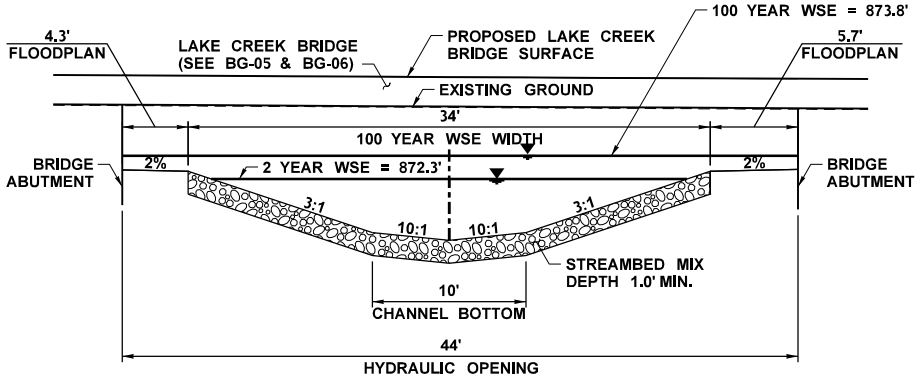
T.23N. R.7E. W.M.



LAKE CREEK TRIBUTARY (LC-A)
PROPOSED STREAM RESTORATION PROFILE
FROM CONCEPTUAL DESIGN SHEET FP2-08
NTS



LAKE CREEK (LC-A)
FROM CONCEPTUAL DESIGN SHEET RS-07
PROPOSED STREAM RESTORATION TYPICAL PROFILE
NTS



SECTION H-2 - LAKE CREEK (LC-A)
FROM CONCEPTUAL DESIGN FP2-11
(SEE MATCHED SHEET #35 OF 132)
PROPOSED STREAM RESTORATION TYPICAL SECTION
NTS

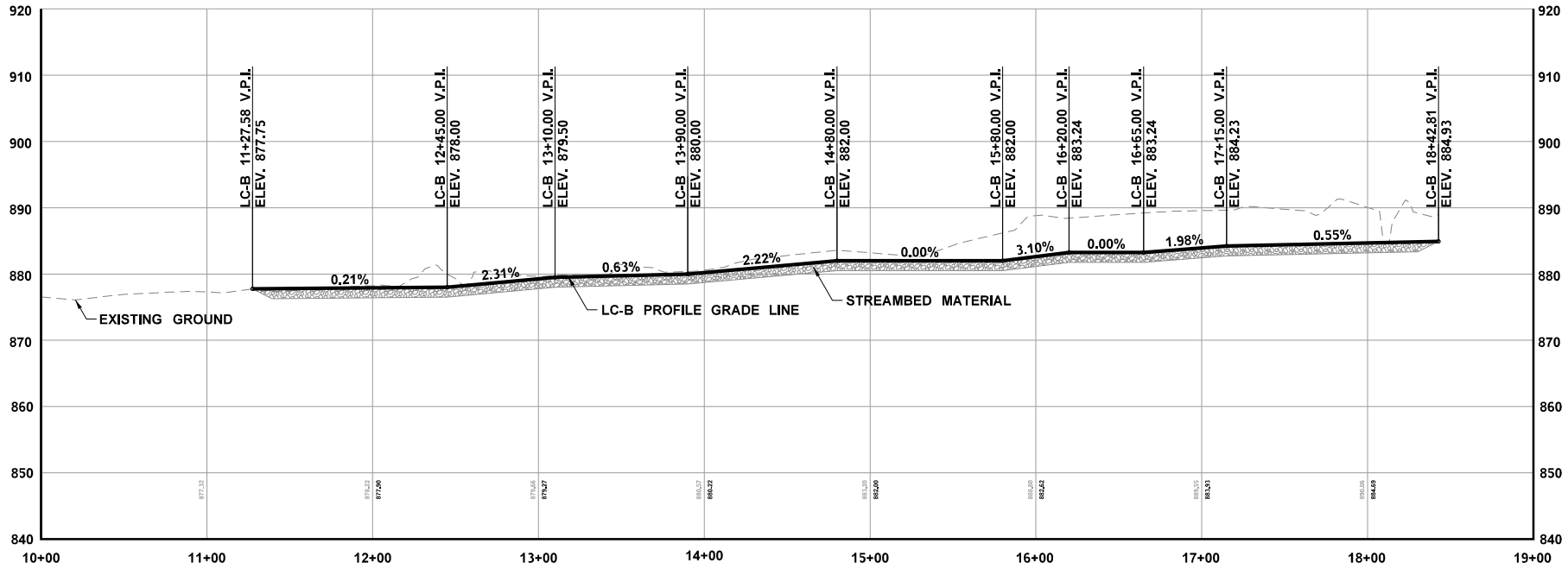
GENERAL NOTES:
1. STREAMBED MIX: 100% STREAMBED SEDIMENT

PROJECT NAME: I–90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W | S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

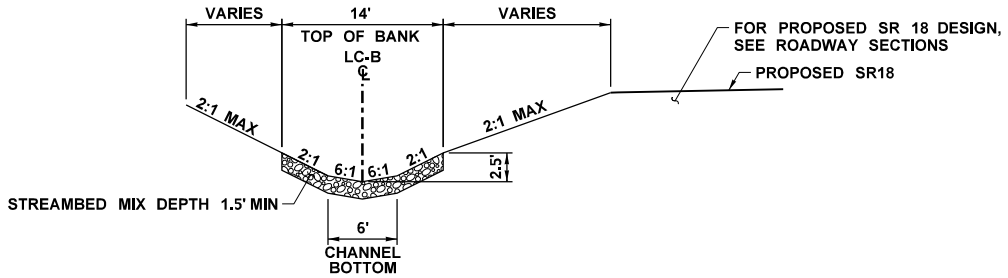
Washington State
Department of Transportation

SHEET: 37 OF: 132

T.23N. R.7E. W.M.



LAKE CREEK TRIBUTARY (LC-B)
FROM CONCEPTUAL DESIGN SHEET FP2-05, FP2-06
PROPOSED STREAM RESTORATION PROFILE
NTS



SECTION F - LAKE CREEK TRIBUTARY (LC-B)
FROM CONCEPTUAL DESIGN SHEET FP2-10
(SEE MATCHED SHEET #42 OF 132)
PROPOSED STREAM RESTORATION TYPICAL SECTION
NTS

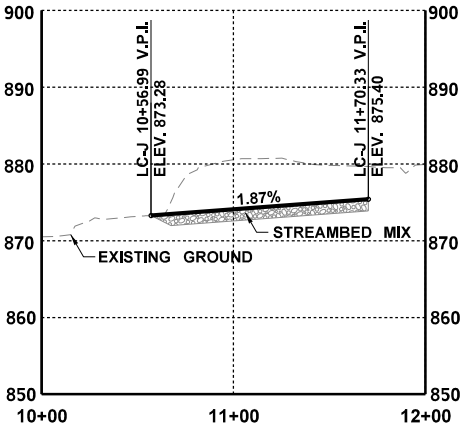
GENERAL NOTES:
1. STREAMBED MIX: 100% STREAMBED SEDIMENT

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS-2019-115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W | S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

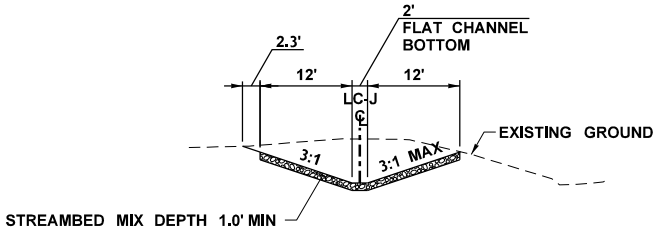
Washington State
Department of Transportation

SHEET: 38 OF: 132

T.23N. R.7E. W.M.



LAKE CREEK TRIBUTARY (LC-J)
FROM CONCEPTUAL DESIGN SHEET FP2-09
PROPOSED STREAM RESTORATION PROFILE
NTS

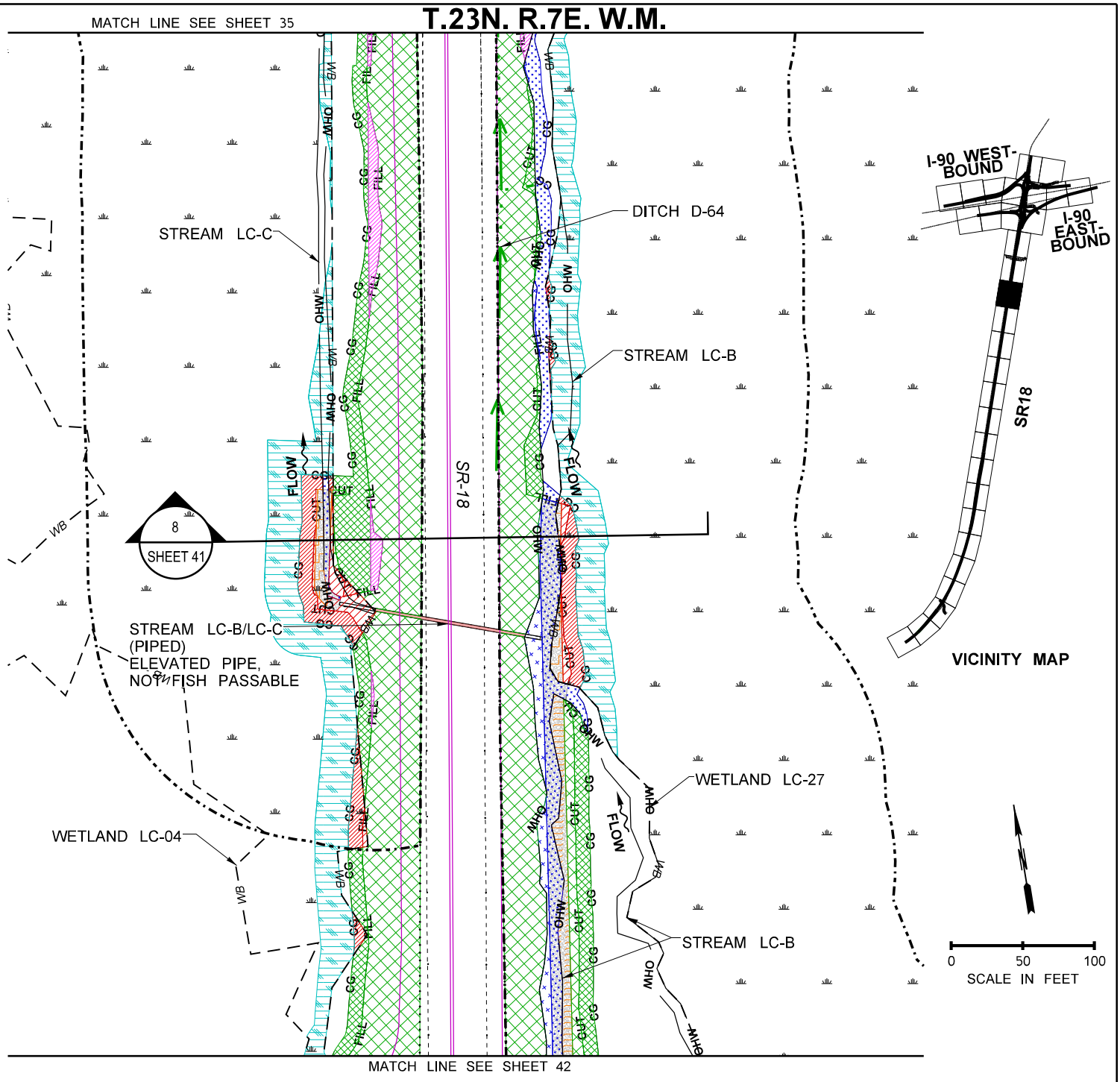


SECTION I LAKE CREEK TRIBUTARY (LC-J)
FROM CONCEPTUAL DESIGN SHEET FP2-12
(SEE MATCHED SHEET #33 OF 132)
PROPOSED STREAM RESTORATION TYPICAL SECTION
NTS

GENERAL NOTES:
1. STREAMBED MIX: 100% STREAMBED SEDIMENT

PROJECT NAME: I–90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W | S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State
Department of Transportation



LEGEND

PERM. WETLAND IMPACT	TEMP. WETLAND IMPACT	PERM. STREAM BUFFER IMPACT	TEMP. STREAM BUFFER IMPACT	JD PERM. IMPACT	
PERM. WETLAND BUFFER IMPACT	TEMP. WETLAND BUFFER IMPACT	PERM. PIPED STREAM IMPACT	BUFFER TO STREAM CONVERSION	JD TEMP. IMPACT	
PERM. STREAM IMPACT	TEMP. STREAM IMPACT	BUFFER VEGETATION CONVERSION	WETLAND TO STREAM CONVERSION	INDIRECT IMPACTS	

WETLAND	EXISTING EOP	PROPOSED EOP
STREAM BED MATERIAL	EXISTING CULVERT	PROPOSED DITCH
RIPRAP MATERIAL	OHWM	CLEAR/GRUB LINE
PROPOSED CULVERT	JURISDICTIONAL DITCH	PROPOSED CUT
	EXISTING DITCH	PROPOSED FILL
	WETLAND BUFFER	PROPOSED FISH PASSAGE IMPACTS
	STREAM BUFFER	

GENERAL NOTES:

1. IMPACTS TO STREAM LC-C DUE TO CULVERT EXPANSION ASSOCIATED WITH ROADWAY EXPANSION.
2. IMPACTS TO STREAM LC-B DUE TO ROADWAY FILL PRISM EXPANSION FOR STORMWATER TREATMENT FEATURES.

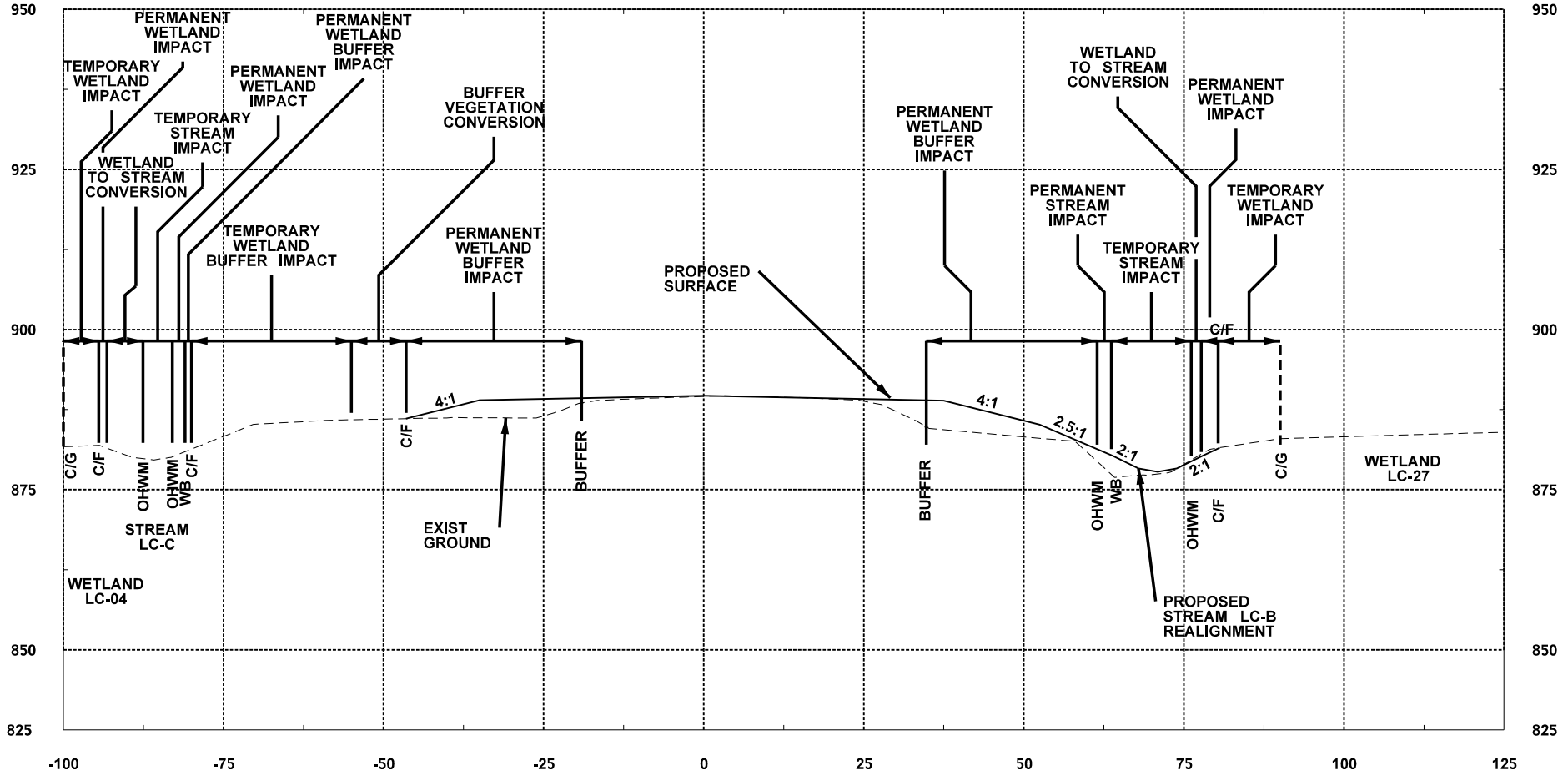
PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W|S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 40 OF 132

T.23N. R.7E. W.M.



CROSS SECTION #8
(SEE MATCHED SHEET #40 OF 132)

W ⟷ E

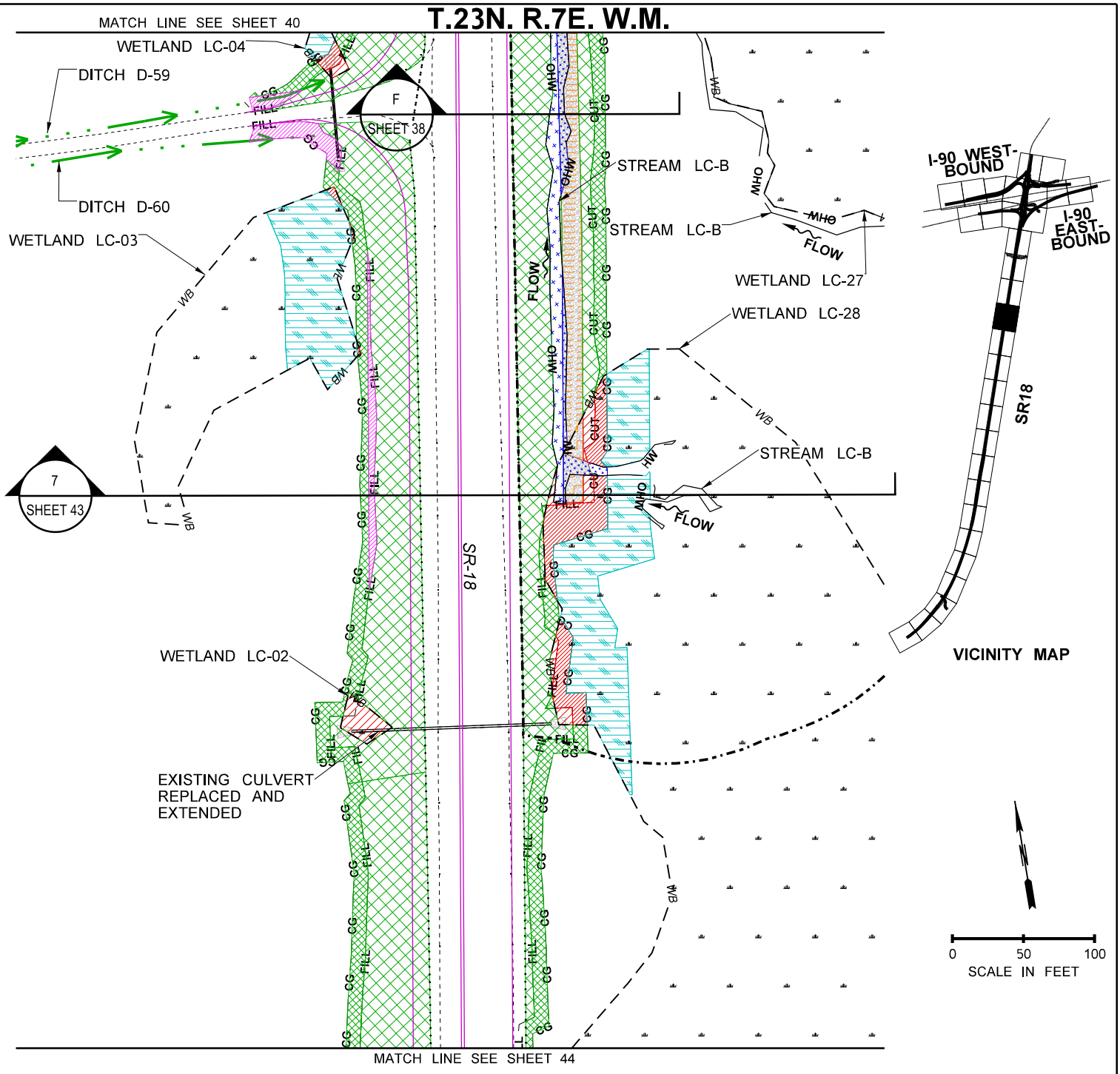
WB = WETLAND BOUNDARY
OHWM = ORDINARY HIGH WATER MARK
C/G = CLEARING AND GRUBBING LIMIT
C/F = CUT AND FILL LIMIT

0 12.5 25
SCALE IN FEET

PROJECT NAME: I–90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W | S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State
Department of Transportation

SHEET: 41 OF: 132



LEGEND

- PERM. WETLAND IMPACT
- TEMP. WETLAND IMPACT
- PERM. STREAM BUFFER IMPACT
- TEMP. STREAM BUFFER IMPACT
- JD PERM. IMPACT
- PERM. WETLAND BUFFER IMPACT
- TEMP. WETLAND BUFFER IMPACT
- PERM. PIPED STREAM IMPACT
- BUFFER TO STREAM CONVERSION
- JD TEMP. IMPACT
- PERM. STREAM IMPACT
- TEMP. STREAM IMPACT
- BUFFER VEGETATION CONVERSION
- WETLAND TO STREAM CONVERSION
- INDIRECT IMPACTS
- WETLAND
- STREAM BED MATERIAL
- RIPRAP MATERIAL
- PROPOSED CULVERT
- EXISTING EOP
- EXISTING CULVERT
- OHWM
- JURISDICTIONAL DITCH
- EXISTING DITCH
- WETLAND BUFFER
- STREAM BUFFER
- PROPOSED EOP
- PROPOSED DITCH
- CLEAR/GRUB LINE
- PROPOSED CUT
- PROPOSED FILL
- PROPOSED FISH PASSAGE IMPACTS

GENERAL NOTE:

1. IMPACTS TO STREAM LC-B DUE TO ROADWAY PRISM EXPANSION TO ACCOMODATE FOR NEW STORMWATER TREATMENT FEATURES.

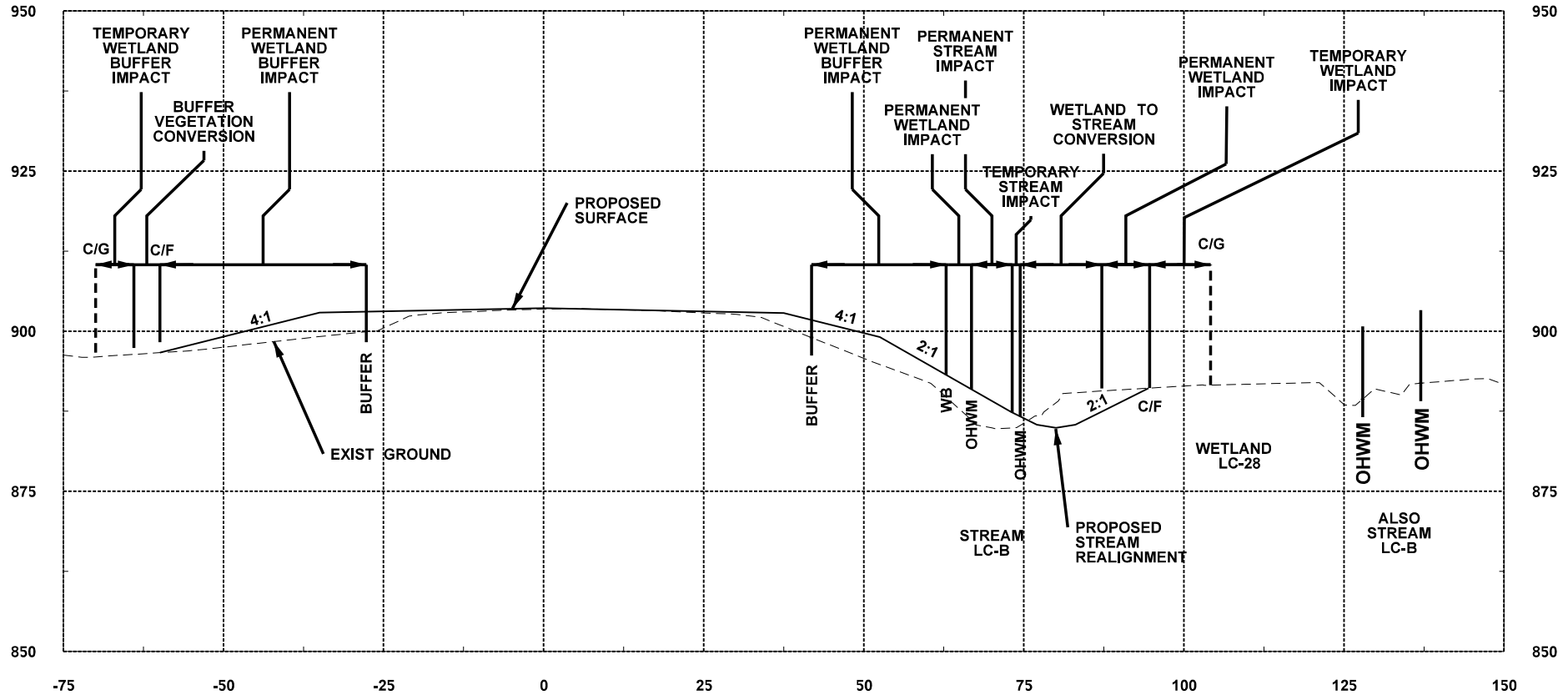
PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W|S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 42 OF 132

T.23N. R.7E. W.M.



CROSS SECTION #7
(SEE MATCHED SHEET #42 OF 132)

W ⟷ E

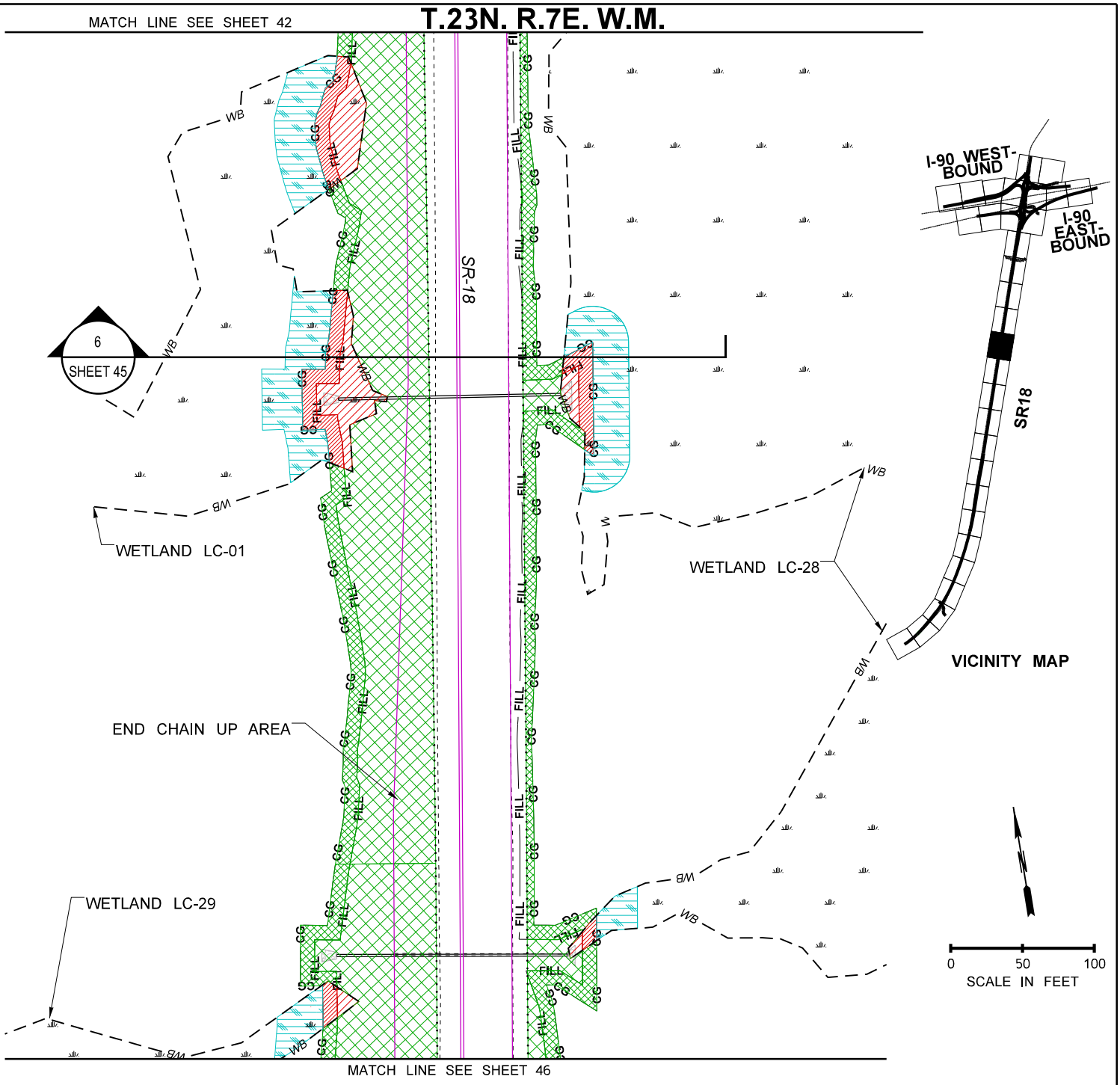
WB = WETLAND BOUNDARY
OHWM = ORDINARY HIGH WATER MARK
C/G = CLEARING AND GRUBBING LIMIT
C/F = CUT AND FILL LIMIT

0 12.5 25
SCALE IN FEET

PROJECT NAME: I–90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W | S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State
Department of Transportation

SHEET: 43 OF: 132



LEGEND

PERM. WETLAND IMPACT	TEMP. WETLAND IMPACT	PERM. STREAM BUFFER IMPACT	TEMP. STREAM BUFFER IMPACT	JD PERM. IMPACT	
PERM. WETLAND BUFFER IMPACT	TEMP. WETLAND BUFFER IMPACT	PERM. PIPED STREAM IMPACT	BUFFER TO STREAM CONVERSION	JD TEMP. IMPACT	
PERM. STREAM IMPACT	TEMP. STREAM IMPACT	BUFFER VEGETATION CONVERSION	WETLAND TO STREAM CONVERSION	INDIRECT IMPACTS	

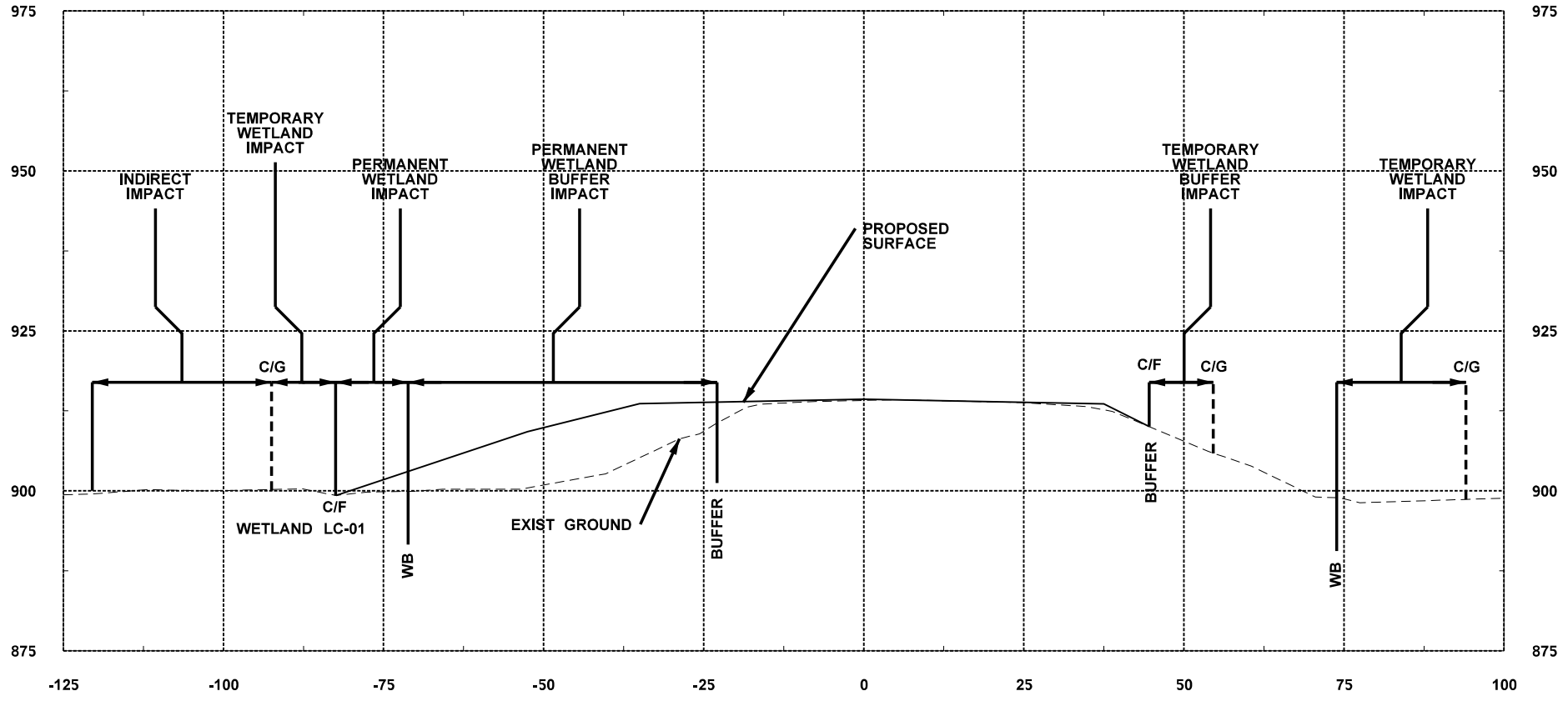
WETLAND	EXISTING EOP	PROPOSED EOP
STREAM BED MATERIAL	EXISTING CULVERT	PROPOSED DITCH
RIPRAP MATERIAL	OHWM	CLEAR/GRUB LINE
PROPOSED CULVERT	JURISDICTIONAL DITCH	PROPOSED CUT
	EXISTING DITCH	PROPOSED FILL
	WETLAND BUFFER	PROPOSED FISH PASSAGE IMPACTS
	STREAM BUFFER	

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W|S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

T.23N. R.7E. W.M.



CROSS SECTION #6
(SEE MATCHED SHEET #44 OF 132)

W ⟷ E

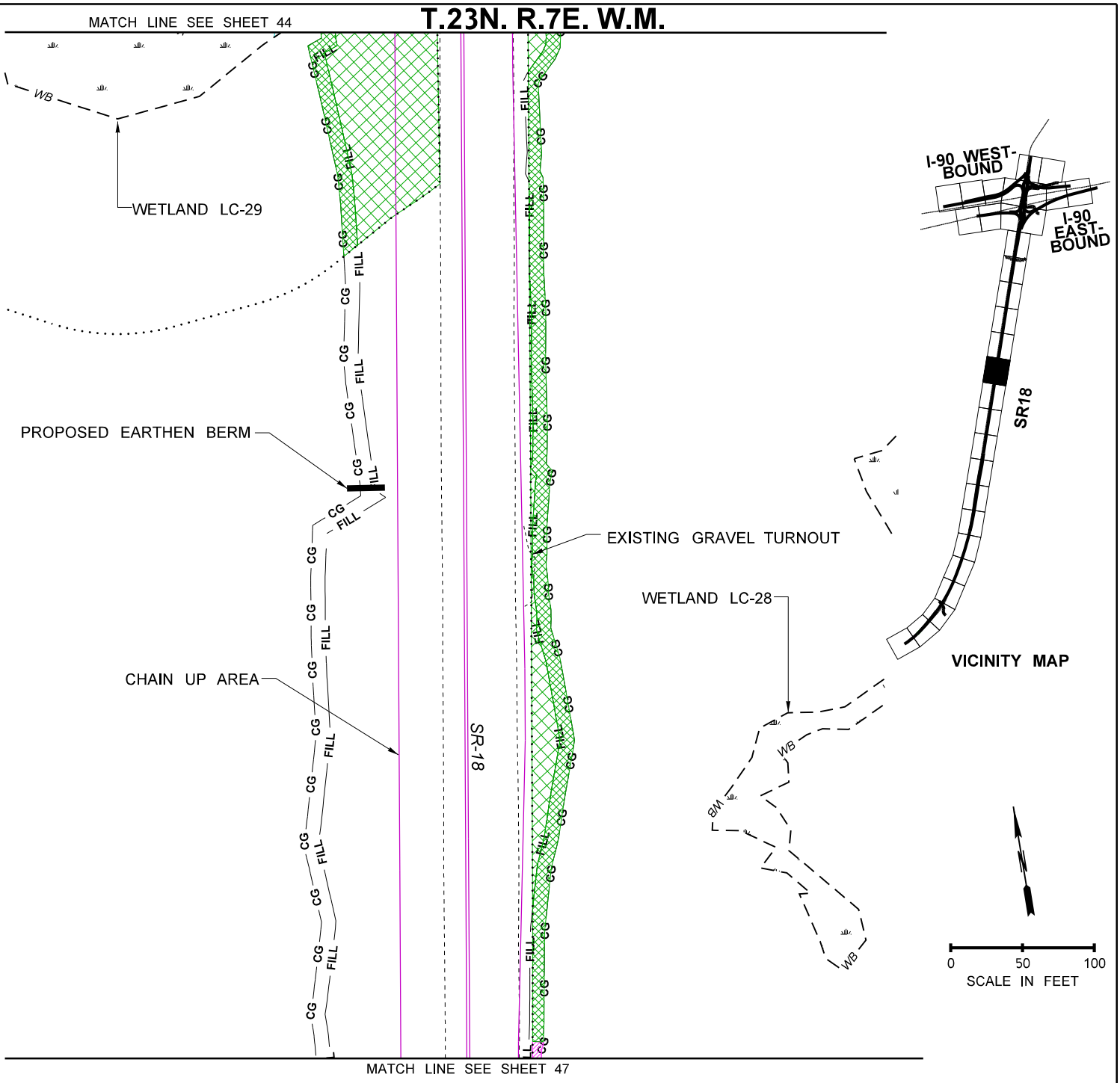
WB = WETLAND BOUNDARY
OHWM = ORDINARY HIGH WATER MARK
C/G = CLEARING AND GRUBBING LIMIT
C/F = CUT AND FILL LIMIT

0 12.5 25
SCALE IN FEET

PROJECT NAME: I–90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W | S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State
Department of Transportation

SHEET: 45 OF: 132



LEGEND

- PERM. WETLAND IMPACT
- TEMP. WETLAND IMPACT
- PERM. STREAM BUFFER IMPACT
- TEMP. STREAM BUFFER IMPACT
- JD PERM. IMPACT
- PERM. WETLAND BUFFER IMPACT
- TEMP. WETLAND BUFFER IMPACT
- PERM. PIPED STREAM IMPACT
- BUFFER TO STREAM CONVERSION
- JD TEMP. IMPACT
- PERM. STREAM IMPACT
- TEMP. STREAM IMPACT
- BUFFER VEGETATION CONVERSION
- WETLAND TO STREAM CONVERSION
- INDIRECT IMPACTS
- WETLAND
- STREAM BED MATERIAL
- RIPRAP MATERIAL
- PROPOSED CULVERT
- EXISTING EOP
- EXISTING CULVERT
- OHWM
- JURISDICTIONAL DITCH
- EXISTING DITCH
- WETLAND BUFFER
- STREAM BUFFER
- PROPOSED EOP
- PROPOSED DITCH
- CLEAR/GRUB LINE
- PROPOSED CUT
- PROPOSED FILL
- PROPOSED FISH PASSAGE IMPACTS

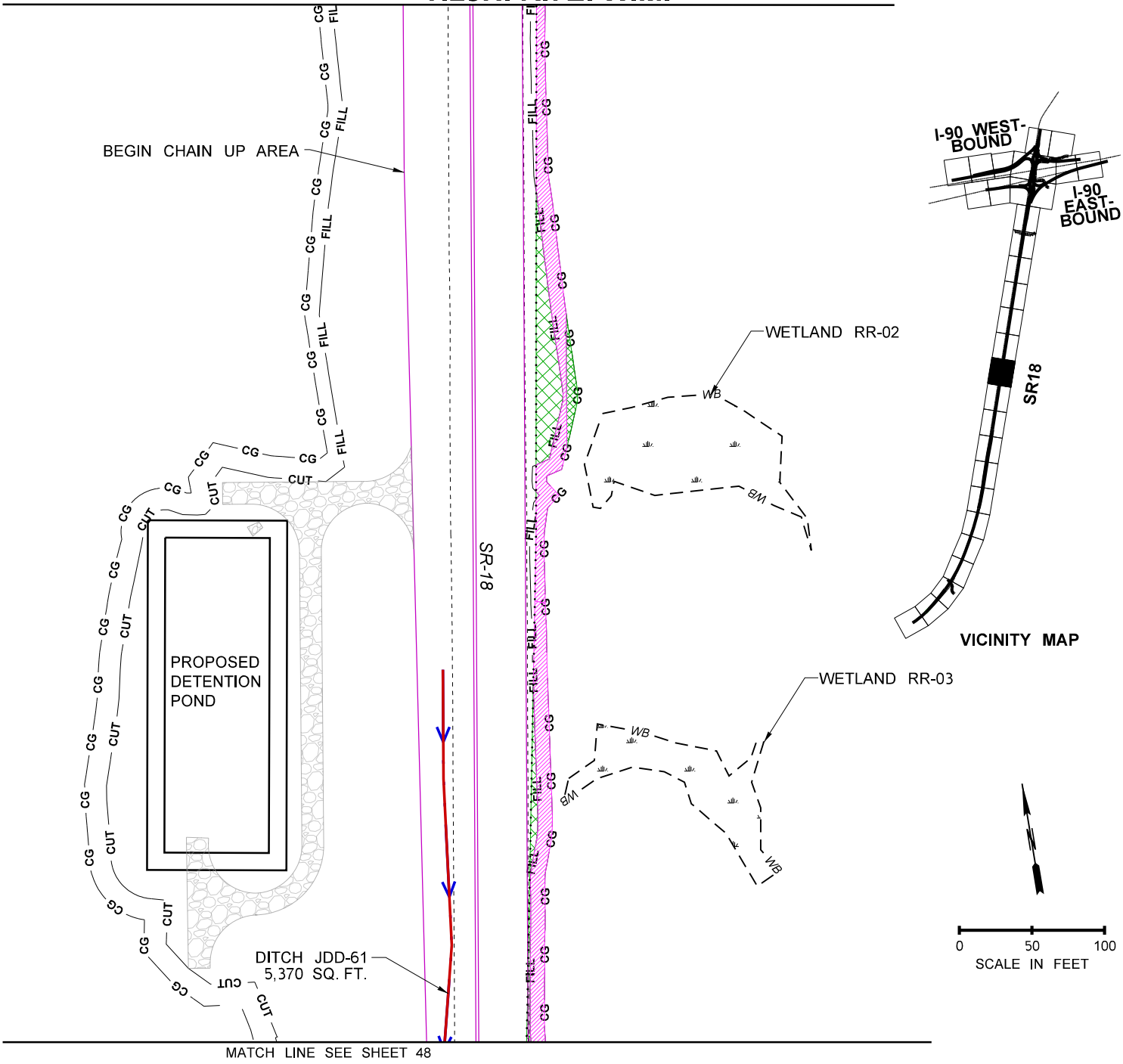
PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W|S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

MATCH LINE SEE SHEET 46

T.23N. R.7E. W.M.



MATCH LINE SEE SHEET 48

LEGEND

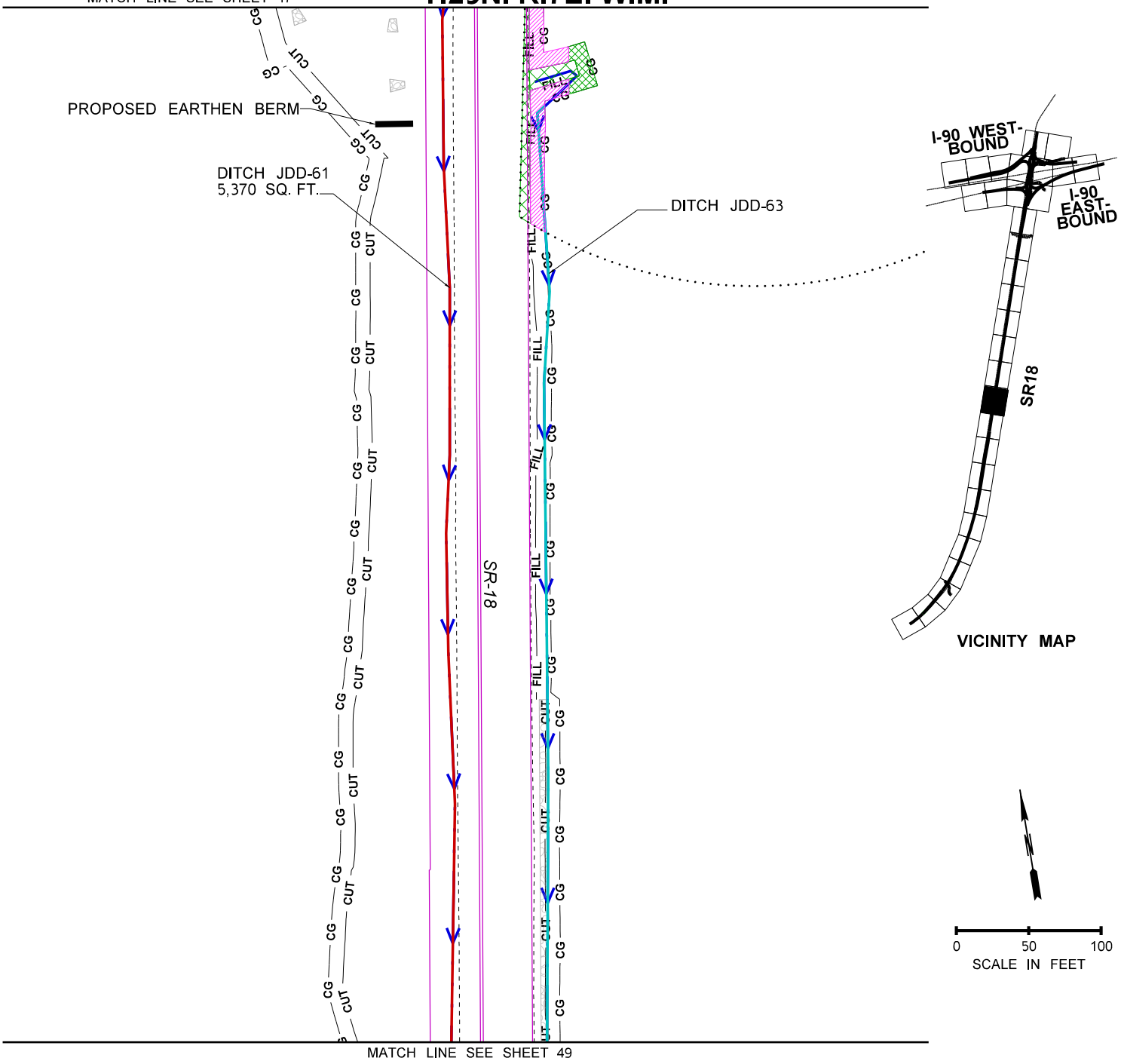
- PERM. WETLAND IMPACT
- TEMP. WETLAND IMPACT
- PERM. STREAM BUFFER IMPACT
- TEMP. STREAM BUFFER IMPACT
- JD PERM. IMPACT
- PERM. WETLAND BUFFER IMPACT
- TEMP. WETLAND BUFFER IMPACT
- PERM. PIPED STREAM IMPACT
- BUFFER TO STREAM CONVERSION
- JD TEMP. IMPACT
- PERM. STREAM IMPACT
- TEMP. STREAM IMPACT
- BUFFER VEGETATION CONVERSION
- WETLAND TO STREAM CONVERSION
- INDIRECT IMPACTS
- WETLAND
- STREAM BED MATERIAL
- RIPRAP MATERIAL
- PROPOSED CULVERT
- EXISTING EOP
- EXISTING CULVERT
- OHWM
- JURISDICTIONAL DITCH
- EXISTING DITCH
- WETLAND BUFFER
- STREAM BUFFER
- PROPOSED EOP
- PROPOSED DITCH
- CLEAR/GRUB LINE
- PROPOSED CUT
- PROPOSED FILL
- PROPOSED FISH PASSAGE IMPACTS

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W|S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

T.23N. R.7E. W.M.



LEGEND

- PERM. WETLAND IMPACT
- TEMP. WETLAND IMPACT
- PERM. STREAM BUFFER IMPACT
- TEMP. STREAM BUFFER IMPACT
- JD PERM. IMPACT
- PERM. WETLAND BUFFER IMPACT
- TEMP. WETLAND BUFFER IMPACT
- PERM. PIPED STREAM IMPACT
- BUFFER TO STREAM CONVERSION
- JD TEMP. IMPACT
- PERM. STREAM IMPACT
- TEMP. STREAM IMPACT
- BUFFER VEGETATION CONVERSION
- WETLAND TO STREAM CONVERSION
- INDIRECT IMPACTS
- WETLAND
- STREAM BED MATERIAL
- RIPRAP MATERIAL
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- PROPOSED EOP
- PROPOSED DITCH
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- PROPOSED CUT
- PROPOSED FILL
- PROPOSED FISH PASSAGE IMPACTS

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
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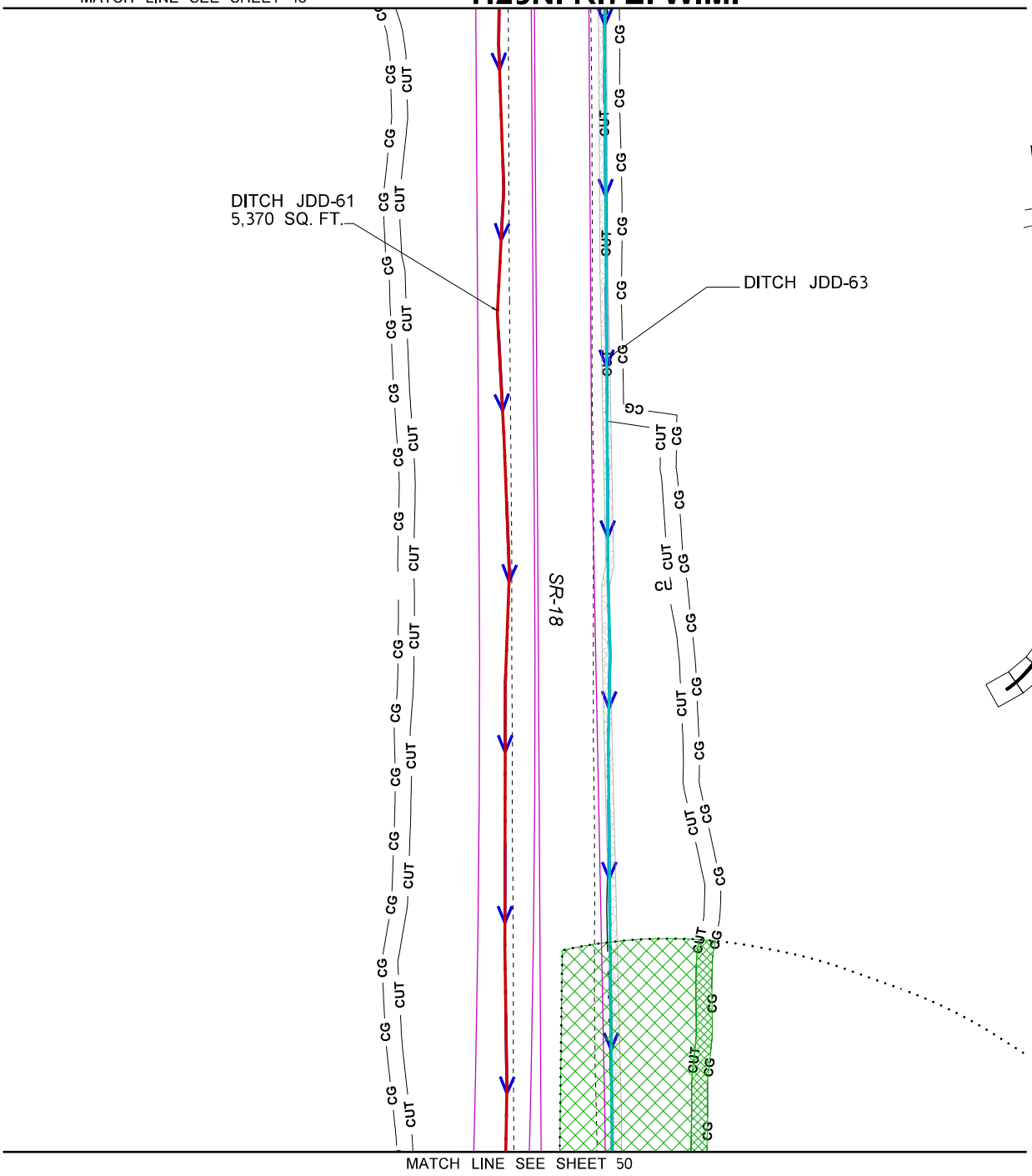
IMPACT SHEETS	DATE: JANUARY 20, 2022

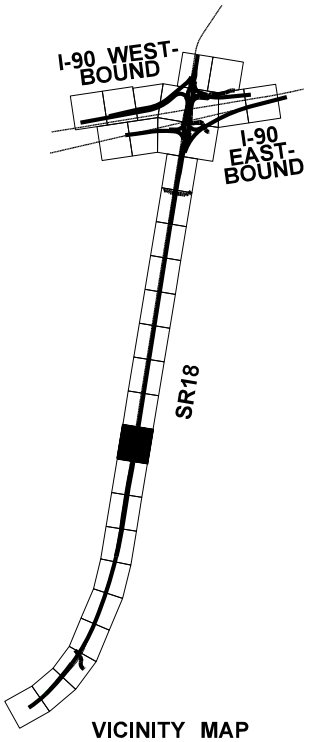
Washington State Department of Transportation

SHEET: 48 OF 132

MATCH LINE SEE SHEET 48

T.23N. R.7E. W.M.





VICINITY MAP

0 50 100
SCALE IN FEET

MATCH LINE SEE SHEET 50

LEGEND

PERM. WETLAND IMPACT	TEMP. WETLAND IMPACT	PERM. STREAM BUFFER IMPACT	TEMP. STREAM BUFFER IMPACT	JD PERM. IMPACT	
PERM. WETLAND BUFFER IMPACT	TEMP. WETLAND BUFFER IMPACT	PERM. PIPED STREAM IMPACT	BUFFER TO STREAM CONVERSION	JD TEMP. IMPACT	
PERM. STREAM IMPACT	TEMP. STREAM IMPACT	BUFFER VEGETATION CONVERSION	WETLAND TO STREAM CONVERSION	INDIRECT IMPACTS	

WETLAND	EXISTING EOP	PROPOSED EOP
STREAM BED MATERIAL	EXISTING CULVERT	PROPOSED DITCH
RIPRAP MATERIAL	OHWM	CLEAR/GRUB LINE
PROPOSED CULVERT	JURISDICTIONAL DITCH	PROPOSED CUT
	EXISTING DITCH	PROPOSED FILL
	WETLAND BUFFER	PROPOSED FISH PASSAGE IMPACTS
	STREAM BUFFER	

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
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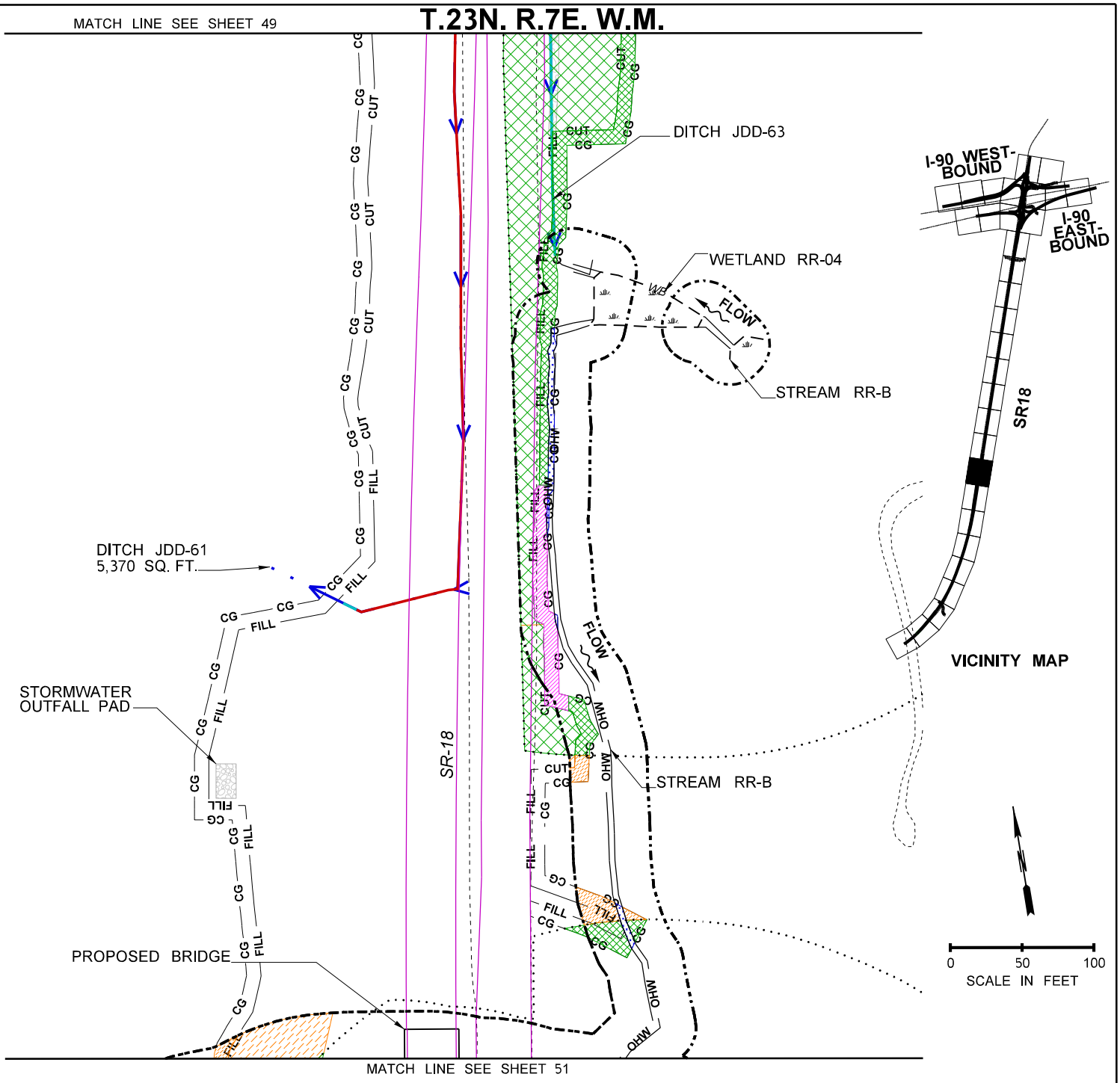
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 49 OF 132



LEGEND

PERM. WETLAND IMPACT	TEMP. WETLAND IMPACT	PERM. STREAM BUFFER IMPACT	TEMP. STREAM BUFFER IMPACT	JD PERM. IMPACT	
PERM. WETLAND BUFFER IMPACT	TEMP. WETLAND BUFFER IMPACT	PERM. PIPED STREAM IMPACT	BUFFER TO STREAM CONVERSION	JD TEMP. IMPACT	
PERM. STREAM IMPACT	TEMP. STREAM IMPACT	BUFFER VEGETATION CONVERSION	WETLAND TO STREAM CONVERSION	INDIRECT IMPACTS	

WETLAND	EXISTING EOP	PROPOSED EOP
STREAM BED MATERIAL	EXISTING CULVERT	PROPOSED DITCH
RIPRAP MATERIAL	OHWM	CLEAR/GRUB LINE
PROPOSED CULVERT	JURISDICTIONAL DITCH	PROPOSED CUT
	EXISTING DITCH	PROPOSED FILL
	WETLAND BUFFER	PROPOSED FISH PASSAGE IMPACTS
	STREAM BUFFER	

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
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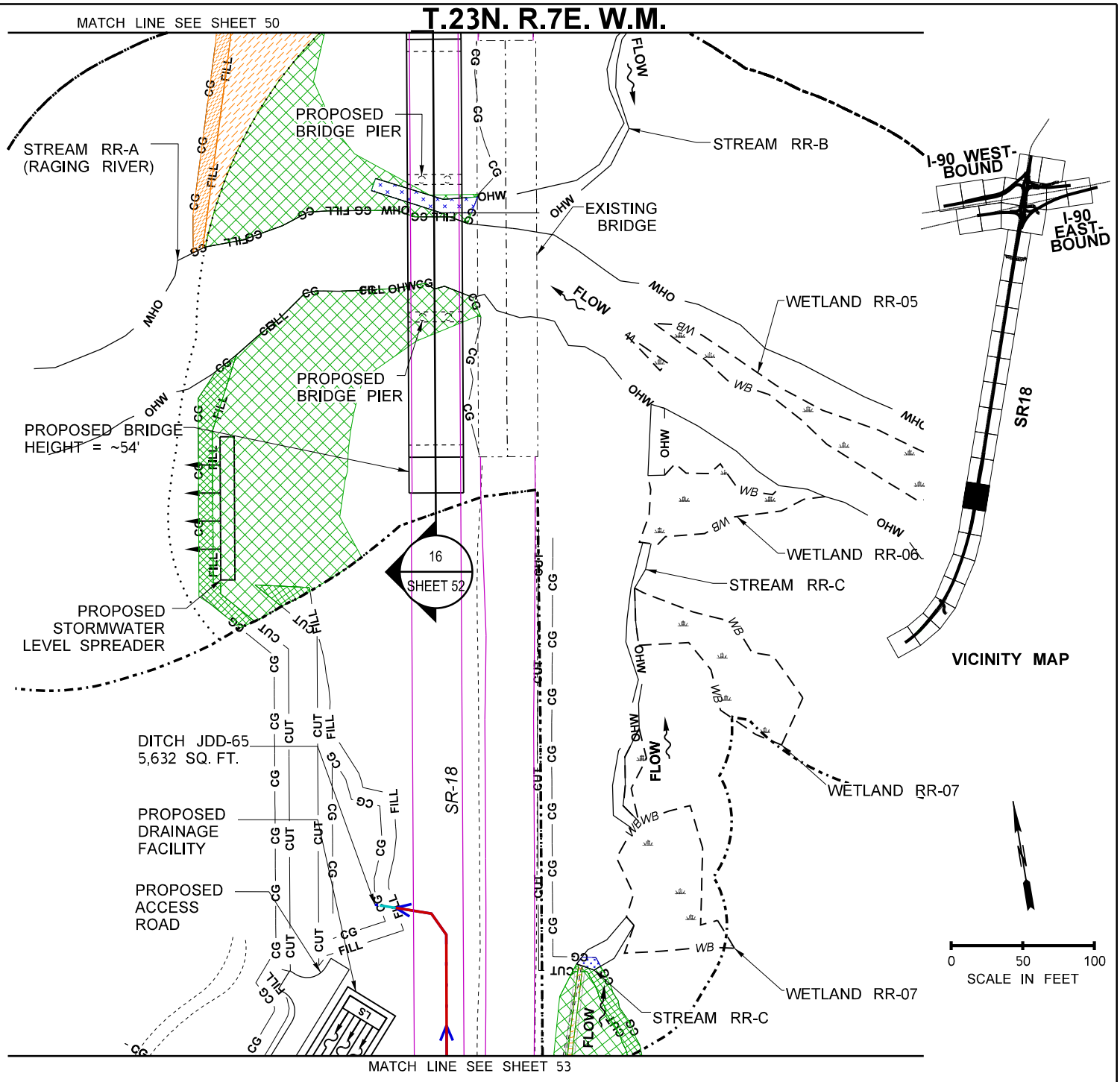
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation



LEGEND

PERM. WETLAND IMPACT	TEMP. WETLAND IMPACT	PERM. STREAM BUFFER IMPACT	TEMP. STREAM BUFFER IMPACT	JD PERM. IMPACT	
PERM. WETLAND BUFFER IMPACT	TEMP. WETLAND BUFFER IMPACT	PERM. PIPED STREAM IMPACT	BUFFER TO STREAM CONVERSION	JD TEMP. IMPACT	
PERM. STREAM IMPACT	TEMP. STREAM IMPACT	BUFFER VEGETATION CONVERSION	WETLAND TO STREAM CONVERSION	INDIRECT IMPACTS	
WETLAND	EXISTING EOP	PROPOSED EOP			
STREAM BED MATERIAL	EXISTING CULVERT	PROPOSED DITCH			
RIPRAP MATERIAL	OHWM	CLEAR/GRUB LINE			
PROPOSED CULVERT	JURISDICTIONAL DITCH	PROPOSED CUT			
	EXISTING DITCH	PROPOSED FILL			
	WETLAND BUFFER	PROPOSED FISH PASSAGE IMPACTS			
	STREAM BUFFER				

GENERAL NOTE:

1. NO PERMANENT BRIDGE PIERS OR TEMPORARY WORK TRESTLES WILL BE PLACED BELOW THE OHWM.
2. NO INDIRECT IMPACTS DUE TO SHADING ARE ANTICIPATED DUE TO BRIDGE HEIGHT >50'.

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
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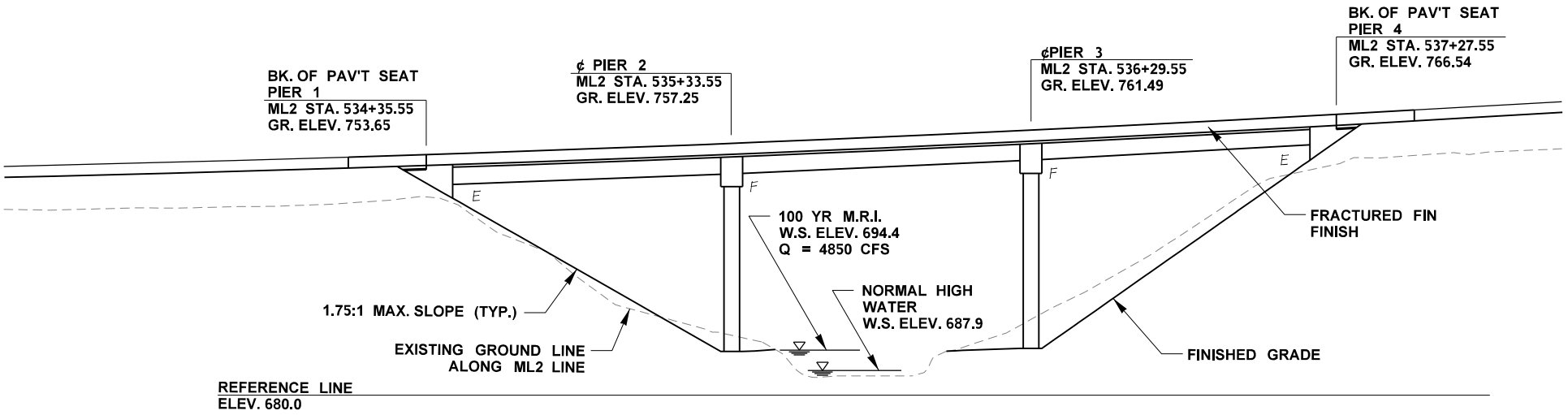
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 51 OF 132

T.23N. R.7E. W.M.



SECTION 16 - RAGING RIVER
FROM CONCEPTUAL DESIGN SHEET BG-03
(SEE MATCHED SHEET #51 OF 132)

GRADE ELEVATIONS SHOWN ARE FINISH GRADES AT TOP OF BRIDGE DECK ON ML2 LINE AND ARE EQUAL TO PROFILE GRADE. SEE STD. PLAN A-50.10 FOR EMBANKMENT DETAILS AT BRIDGE ENDS.

0 25 50
SCALE IN FEET

PROJECT NAME: I–90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
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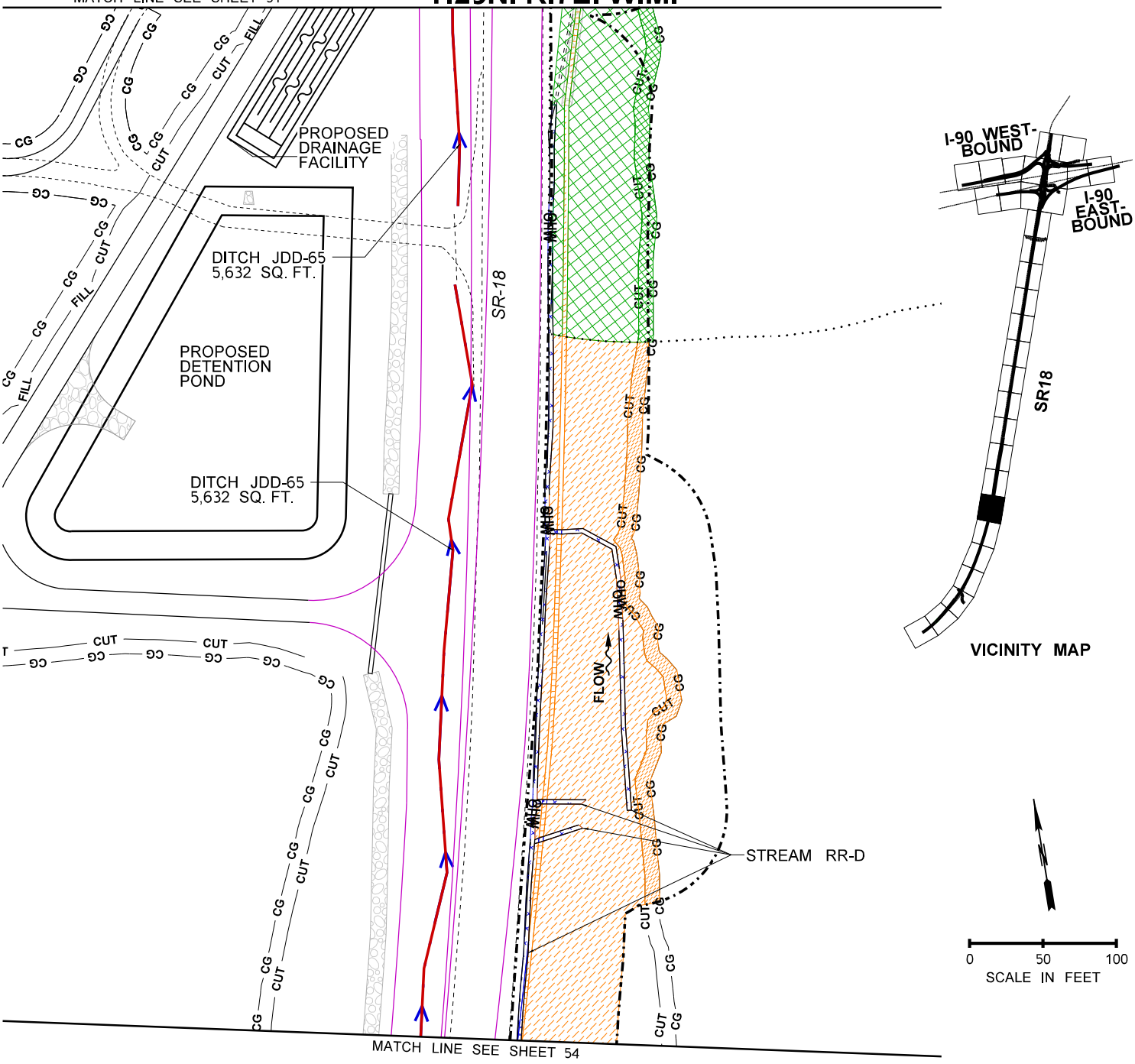
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State
Department of Transportation

SHEET: 52 OF: 132

T.23N. R.7E. W.M.



LEGEND

- PERM. WETLAND IMPACT
- TEMP. WETLAND IMPACT
- PERM. STREAM BUFFER IMPACT
- TEMP. STREAM BUFFER IMPACT
- JD PERM. IMPACT
- PERM. WETLAND BUFFER IMPACT
- TEMP. WETLAND BUFFER IMPACT
- PERM. PIPED STREAM IMPACT
- BUFFER TO STREAM CONVERSION
- JD TEMP. IMPACT
- PERM. STREAM IMPACT
- TEMP. STREAM IMPACT
- BUFFER VEGETATION CONVERSION
- WETLAND TO STREAM CONVERSION
- INDIRECT IMPACTS
- WETLAND
- STREAM BED MATERIAL
- RIPRAP MATERIAL
- PROPOSED CULVERT
- EXISTING EOP
- EXISTING CULVERT
- OHWM
- JURISDICTIONAL DITCH
- EXISTING DITCH
- WETLAND BUFFER
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- PROPOSED DITCH
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- PROPOSED FISH PASSAGE IMPACTS

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

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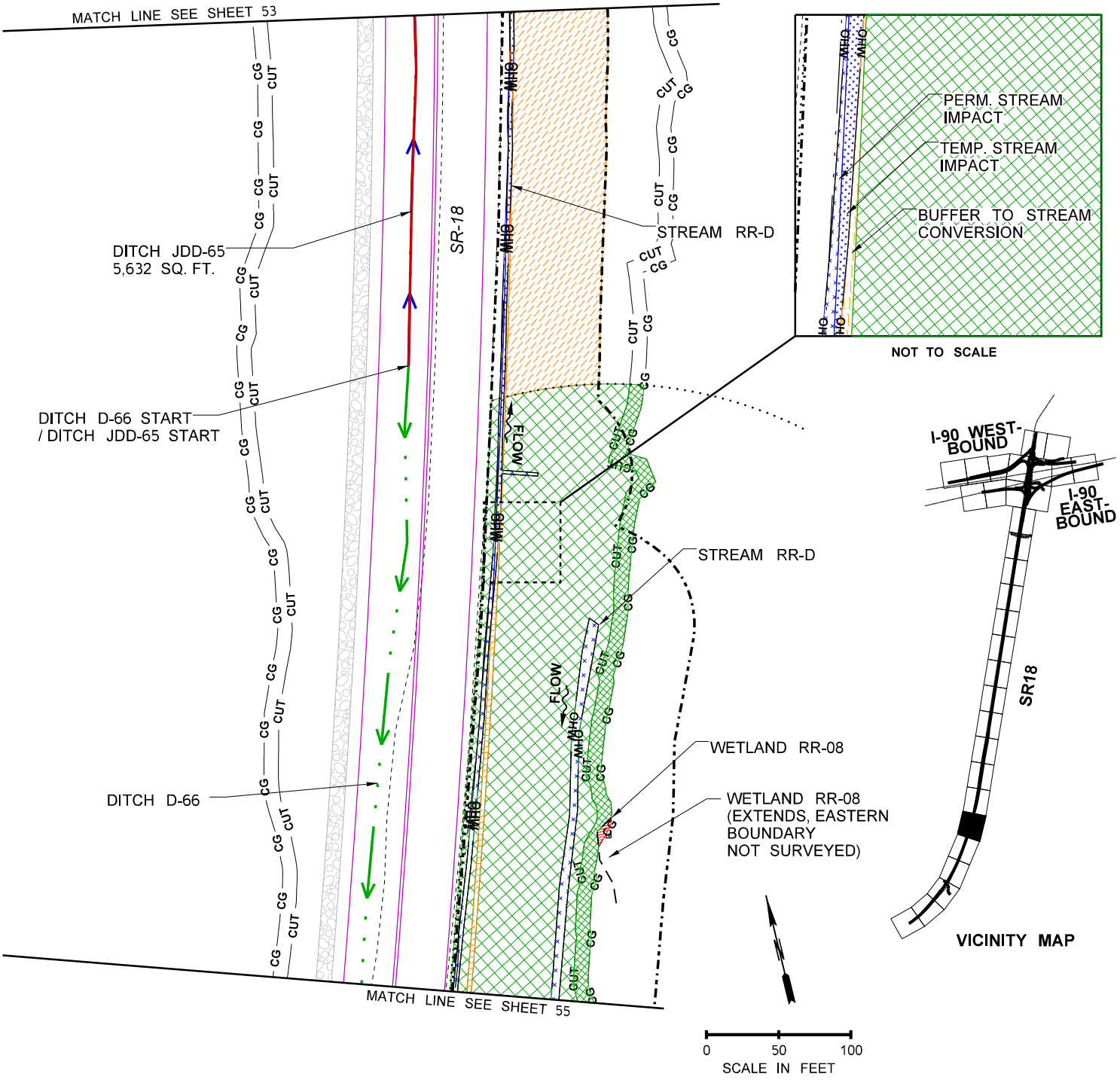
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 53 OF 132

T.23N. R.7E. W.M.



LEGEND

- PERM. WETLAND IMPACT
- TEMP. WETLAND IMPACT
- PERM. STREAM BUFFER IMPACT
- TEMP. STREAM BUFFER IMPACT
- JD PERM. IMPACT
- PERM. WETLAND BUFFER IMPACT
- TEMP. WETLAND BUFFER IMPACT
- PERM. PIPED STREAM IMPACT
- BUFFER TO STREAM CONVERSION
- JD TEMP. IMPACT
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- STREAM BUFFER
- PROPOSED EOP
- PROPOSED DITCH
- CLEAR/GRUB LINE
- PROPOSED CUT
- PROPOSED FILL
- PROPOSED FISH PASSAGE IMPACTS

GENERAL NOTE:

1. STREAM RR-D IMPACTS ASSOCIATED WITH SLOPE IMPROVEMENTS.

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
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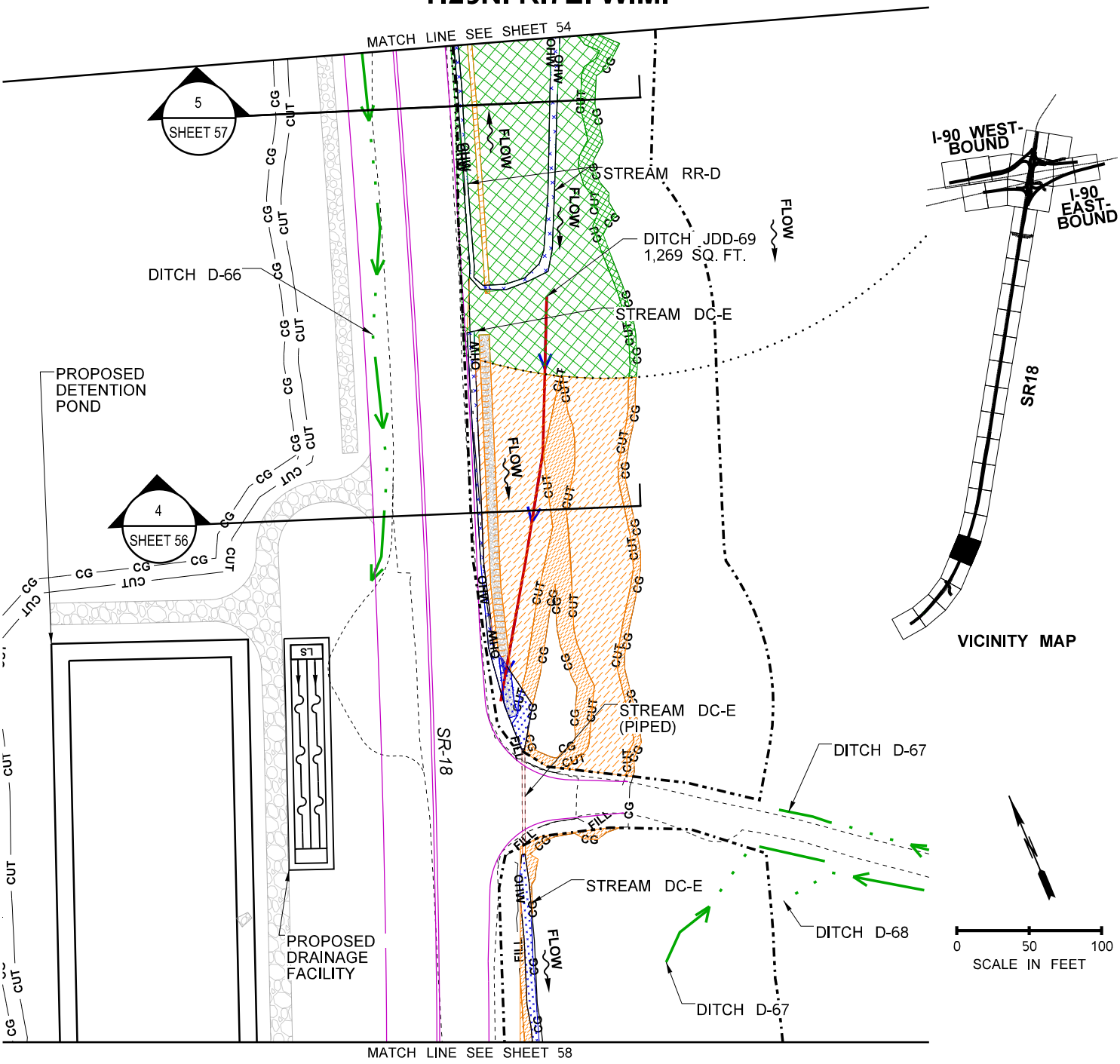
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 54 OF 132

T.23N. R.7E. W.M.



LEGEND

- PERM. WETLAND IMPACT
- TEMP. WETLAND IMPACT
- PERM. STREAM BUFFER IMPACT
- TEMP. STREAM BUFFER IMPACT
- JD PERM. IMPACT
- PERM. WETLAND BUFFER IMPACT
- TEMP. WETLAND BUFFER IMPACT
- PERM. PIPED STREAM IMPACT
- BUFFER TO STREAM CONVERSION
- JD TEMP. IMPACT
- PERM. STREAM IMPACT
- TEMP. STREAM IMPACT
- BUFFER VEGETATION CONVERSION
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- STREAM BUFFER
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- PROPOSED DITCH
- CLEAR/GRUB LINE
- PROPOSED CUT
- PROPOSED FILL
- PROPOSED FISH PASSAGE IMPACTS

GENERAL NOTE:

1. STREAM RR-D IMPACTS ASSOCIATED WITH SLOPE IMPROVEMENTS.
2. STREAM DC-E IMPACTS ASSOCIATED WITH SLOPE IMPROVEMENTS AND ACCESS ROAD IMPROVEMENTS.

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
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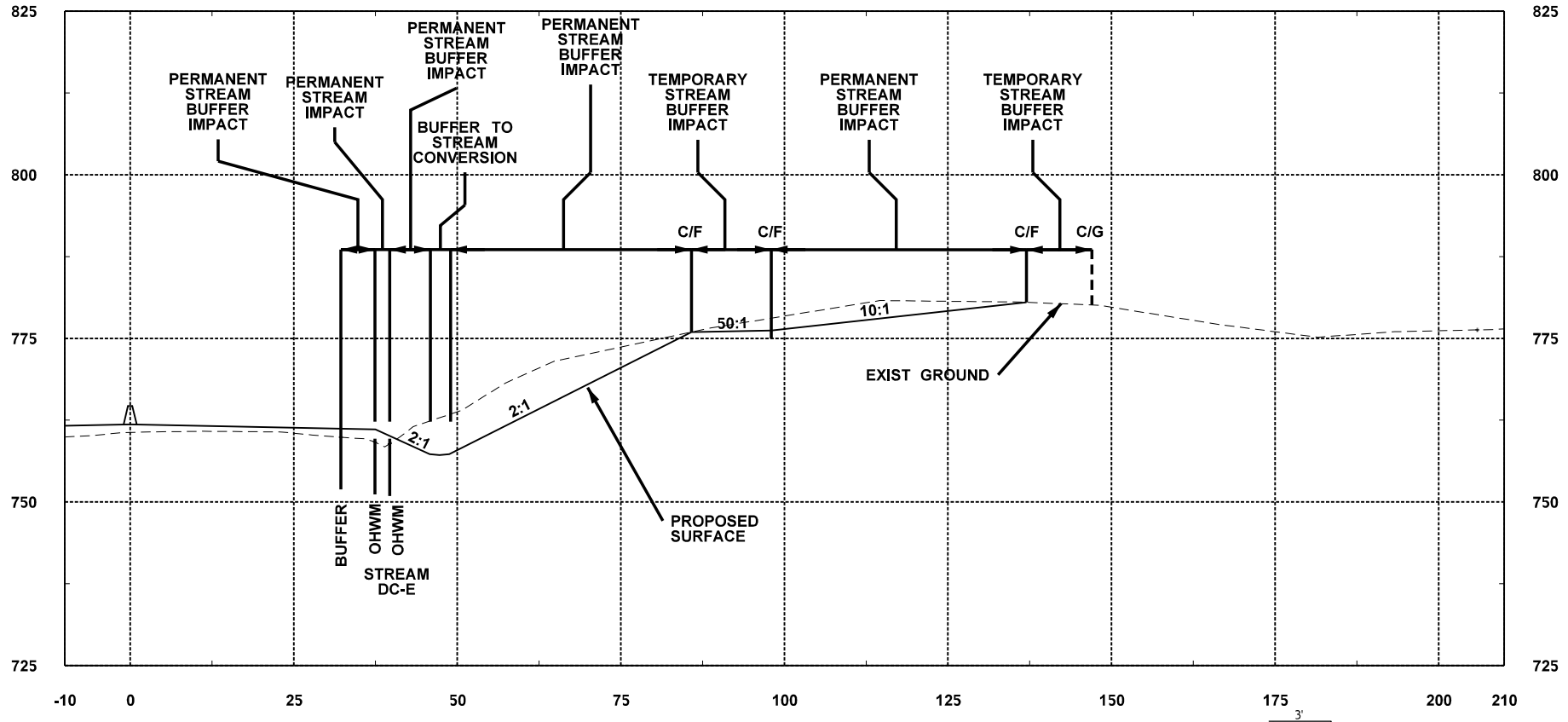
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

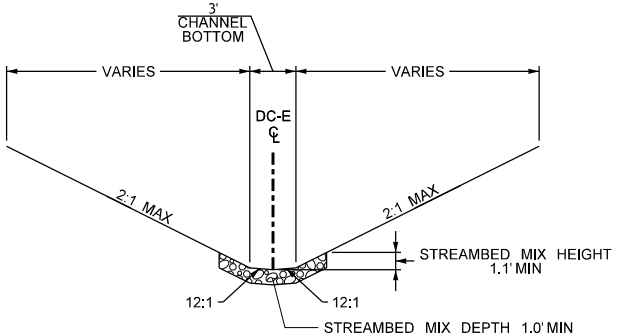
SHEET: 55 OF 132

T.23N. R.7E. W.M.



CROSS SECTION #4
(SEE MATCHED SHEET #55 OF 132)

W ⟷ E



TYPICAL SECTION D

STATION
DC-E SOUTH 10+50.00 TO DC-E SOUTH 10+65.26
NTS

WB = WETLAND BOUNDARY
OHWM = ORDINARY HIGH WATER MARK
C/G = CLEARING AND GRUBBING LIMIT
C/F = CUT AND FILL LIMIT

0 12.5 25
SCALE IN FEET

PROJECT NAME: I–90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
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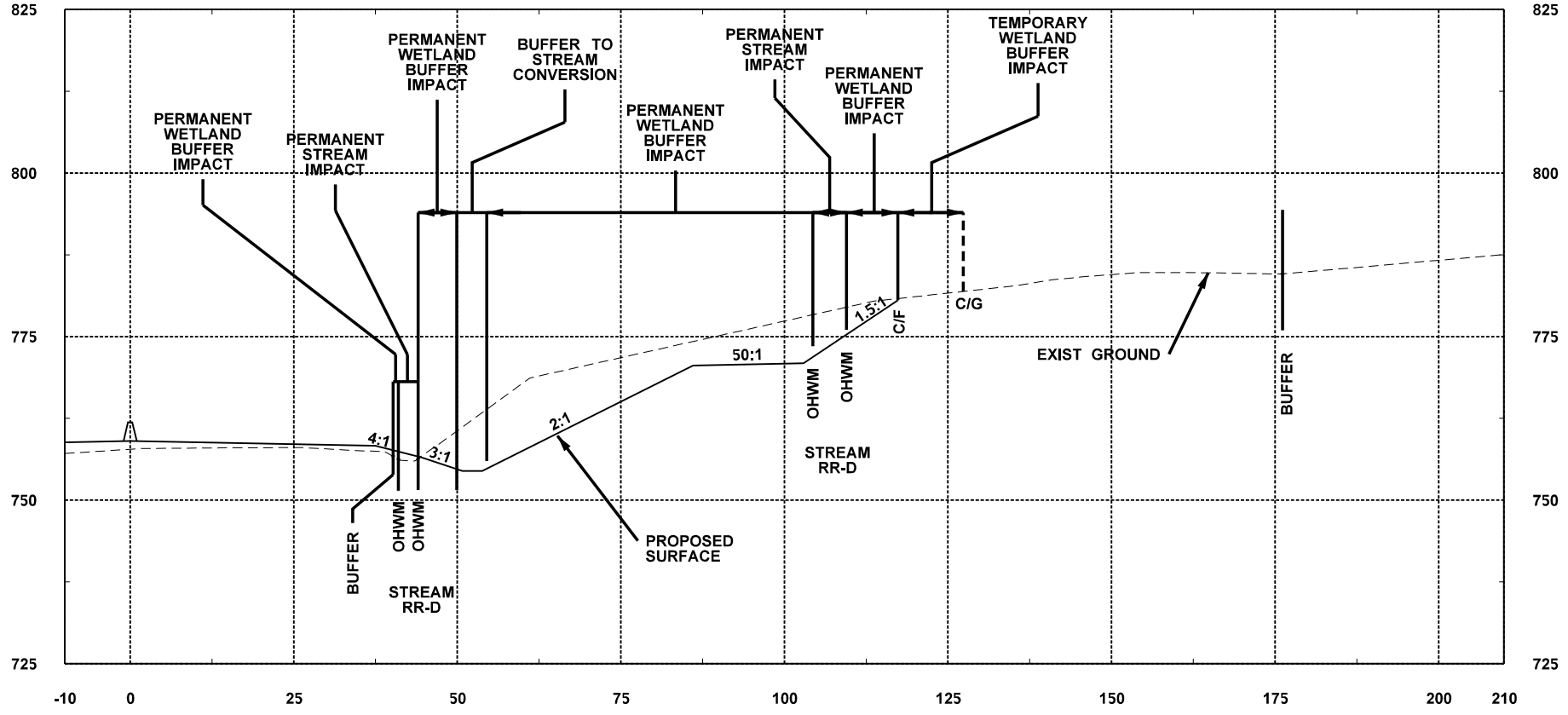
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State
Department of Transportation

SHEET: 56 OF: 132

T.23N. R.7E. W.M.



CROSS SECTION #5
(SEE MATCHED SHEET #55 OF 132)

W ⟷ E

WB = WETLAND BOUNDARY
OHWM = ORDINARY HIGH WATER MARK
C/G = CLEARING AND GRUBBING LIMIT
C/F = CUT AND FILL LIMIT

0 12.5 25
SCALE IN FEET

PROJECT NAME: I–90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
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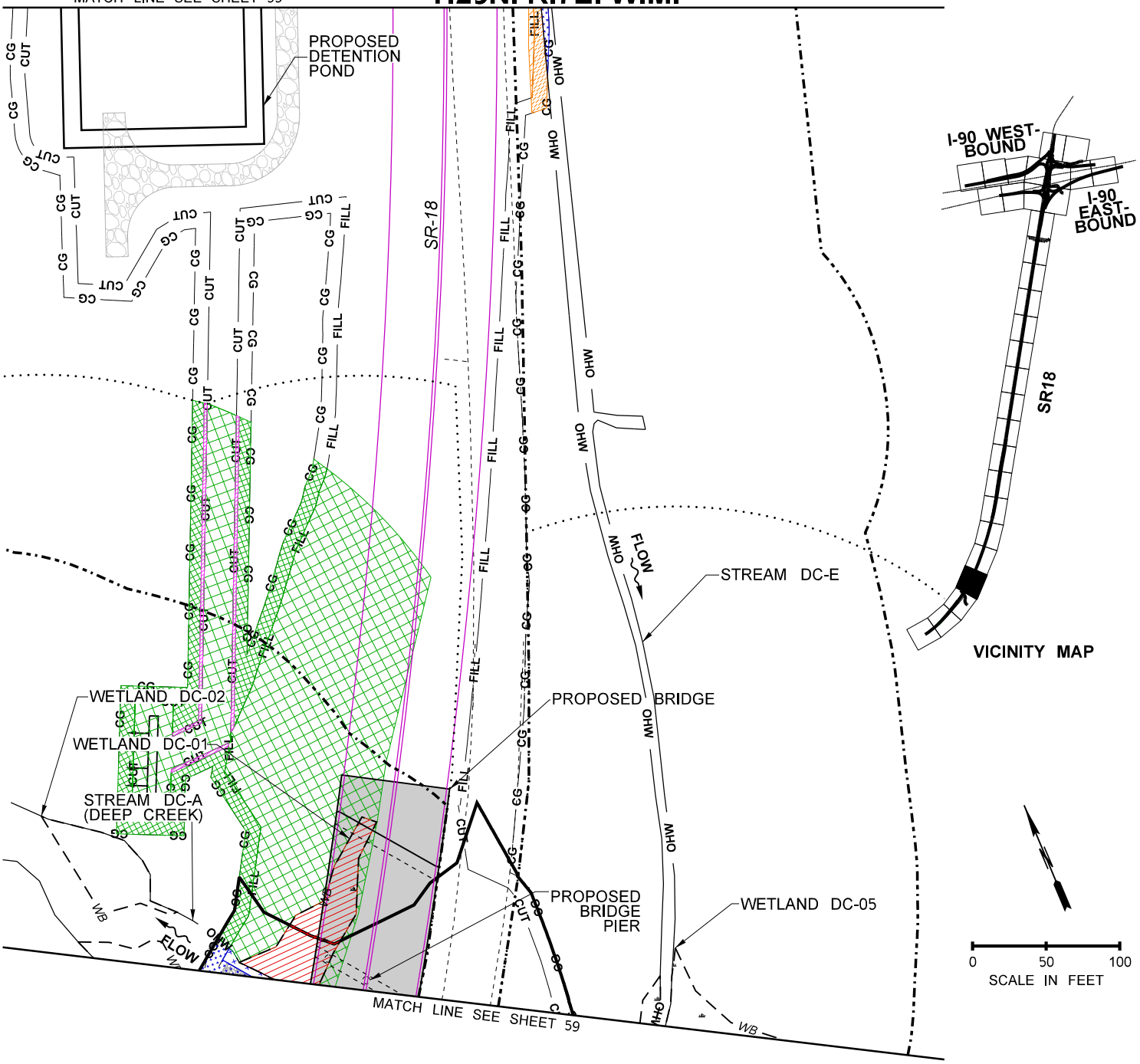
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State
Department of Transportation

SHEET: 57 OF: 132

T.23N. R.7E. W.M.



LEGEND

- PERM. WETLAND IMPACT
- TEMP. WETLAND IMPACT
- PERM. STREAM BUFFER IMPACT
- TEMP. STREAM BUFFER IMPACT
- JD PERM. IMPACT
- PERM. WETLAND BUFFER IMPACT
- TEMP. WETLAND BUFFER IMPACT
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- BUFFER TO STREAM CONVERSION
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- CLEAR/GRUB LINE
- PROPOSED CUT
- PROPOSED FILL
- PROPOSED FISH PASSAGE IMPACTS

GENERAL NOTE:

1. NO BUFFER IMPACTS ARE SHOWN FOR WETLAND DC-01 SINCE THE WETLAND WILL BE COMPLETELY FILLED AND IS CONSIDERED A COMPLETE LOSS.

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
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IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

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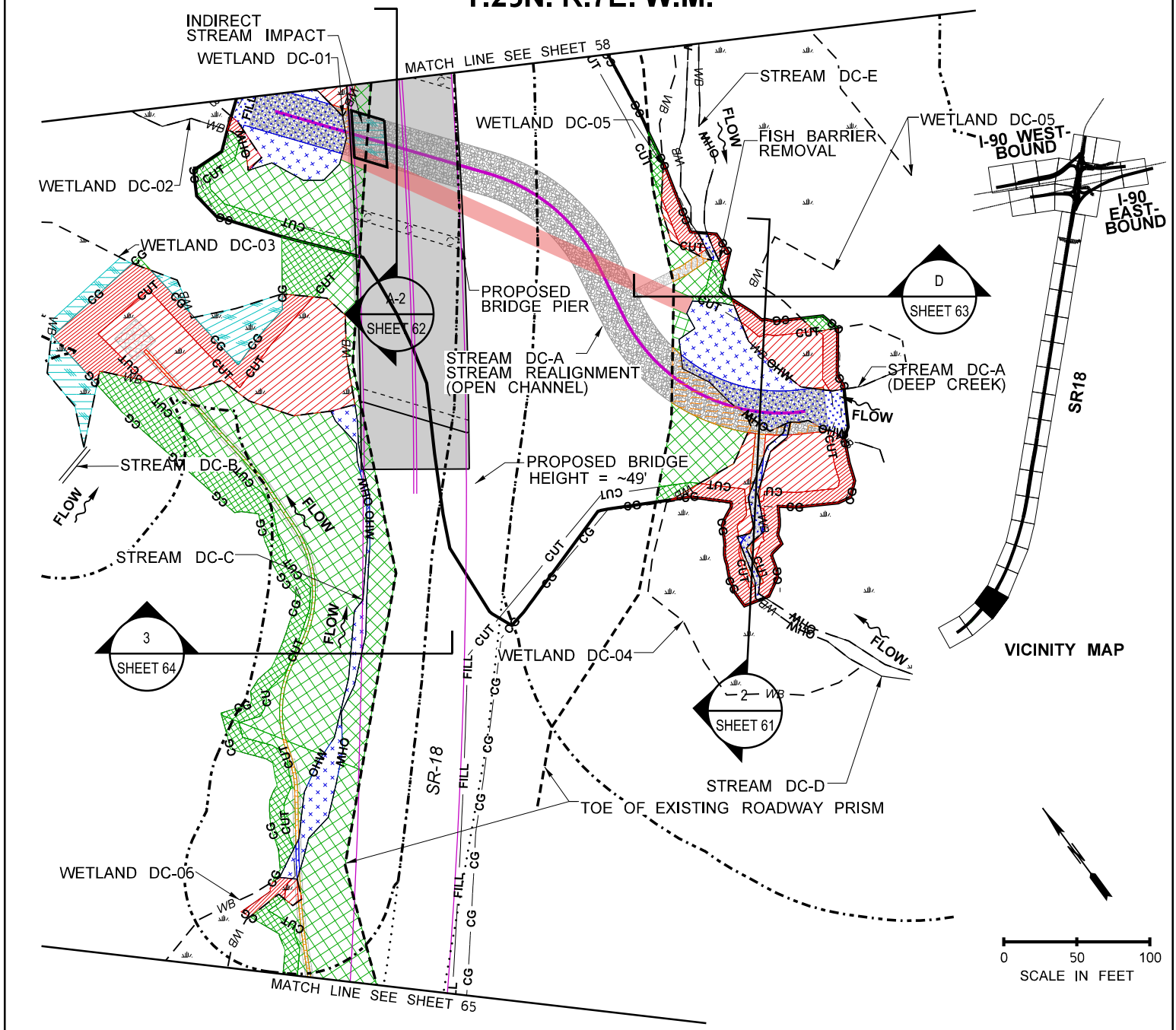


LEGEND

PERM. WETLAND IMPACT	TEMP. WETLAND IMPACT	PERM. STREAM BUFFER IMPACT	TEMP. STREAM BUFFER IMPACT	JD PERM. IMPACT	
PERM. WETLAND BUFFER IMPACT	TEMP. WETLAND BUFFER IMPACT	PERM. PIPED STREAM IMPACT	BUFFER TO STREAM CONVERSION	JD TEMP. IMPACT	
PERM. STREAM IMPACT	TEMP. STREAM IMPACT	BUFFER VEGETATION CONVERSION	WETLAND TO STREAM CONVERSION	INDIRECT IMPACTS	

WETLAND	EXISTING EOP	PROPOSED EOP
STREAM BED MATERIAL	EXISTING CULVERT	PROPOSED DITCH
RIPRAP MATERIAL	OHWM	CLEAR/GRUB LINE
PROPOSED CULVERT	JURISDICTIONAL DITCH	PROPOSED CUT
	EXISTING DITCH	PROPOSED FILL
	WETLAND BUFFER	PROPOSED FISH PASSAGE IMPACTS
	STREAM BUFFER	

GENERAL NOTE:

1. IMPACTS TO STREAM DC-C ARE ASSOCIATED WITH ROADWAY REALIGNMENT / EXPANSION. PORTIONS OF THE REALIGNED STREAM WILL BE RIPRAPPED TO REDUCE SCOUR POTENTIAL.

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

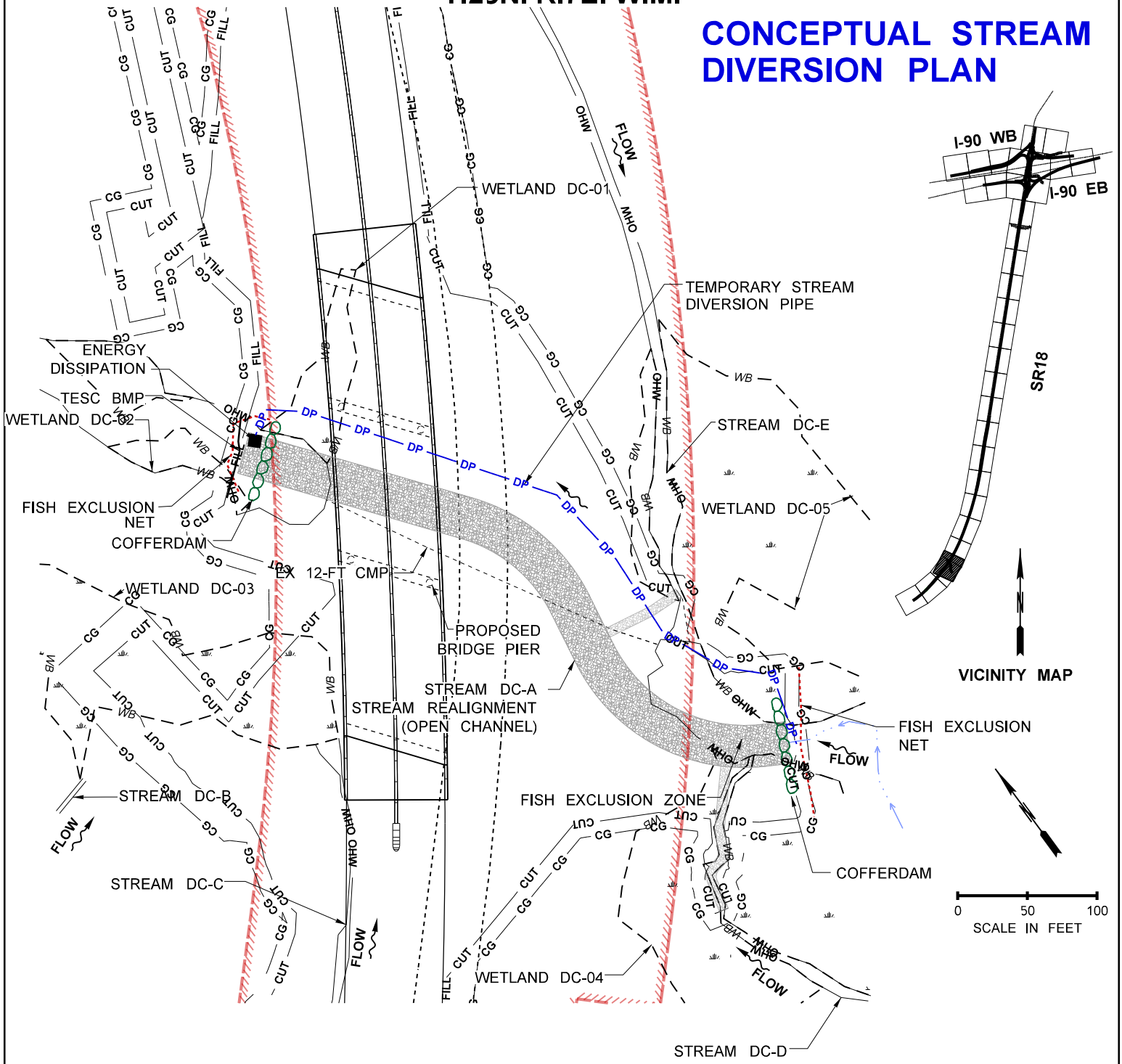
PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W|S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 59 OF 132

T.23N. R.7E. W.M.

CONCEPTUAL STREAM DIVERSION PLAN



GENERAL NOTE:

1. THIS STREAM BYPASS IS CONCEPTUAL AND IS APPLICABLE TO ALL STREAM RESTORATION WORK.
2. THIS PLAN IS NOT FOR CONSTRUCTION.

LEGEND

- WETLAND
- STREAM BED MATERIAL
- PROPOSED CULVERT
- JURISDICTIONAL DITCH
- WSDOT RIGHT OF WAY
- EXISTING EOP
- EXISTING CULVERT
- OHWM
- EXISTING DITCH
- WETLAND BUFFER
- BYPASS PIPE
- PROPOSED EOP
- PROPOSED DITCH
- CLEAR/GRUB LINE
- PROPOSED CUT
- PROPOSED FILL
- FISH EXCLUSION NET
- COFFERDAM

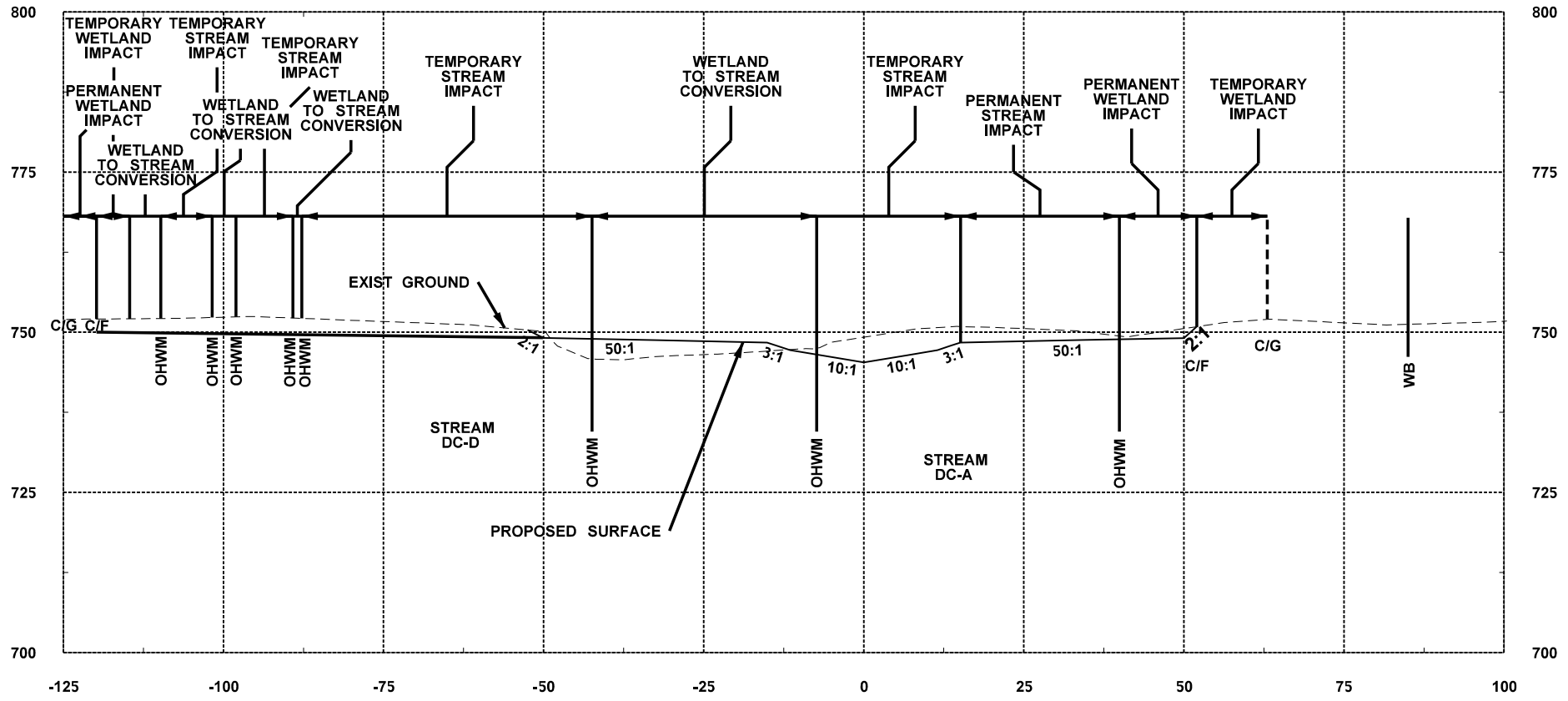
PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15
BANK FULL WIDTH	23 – 27 FT
WDFW SITE ID	070396 0.80
ANTICIPATED CONST.	

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE:
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W|S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JUNE 14, 2021

Washington State Department of Transportation

SHEET: 60 OF: 132

T.23N. R.7E. W.M.



CROSS SECTION #2
(SEE MATCHED SHEET #59 OF 132)

S → N

WB = WETLAND BOUNDARY
OHWM = ORDINARY HIGH WATER MARK
C/G = CLEARING AND GRUBBING LIMIT
C/F = CUT AND FILL LIMIT

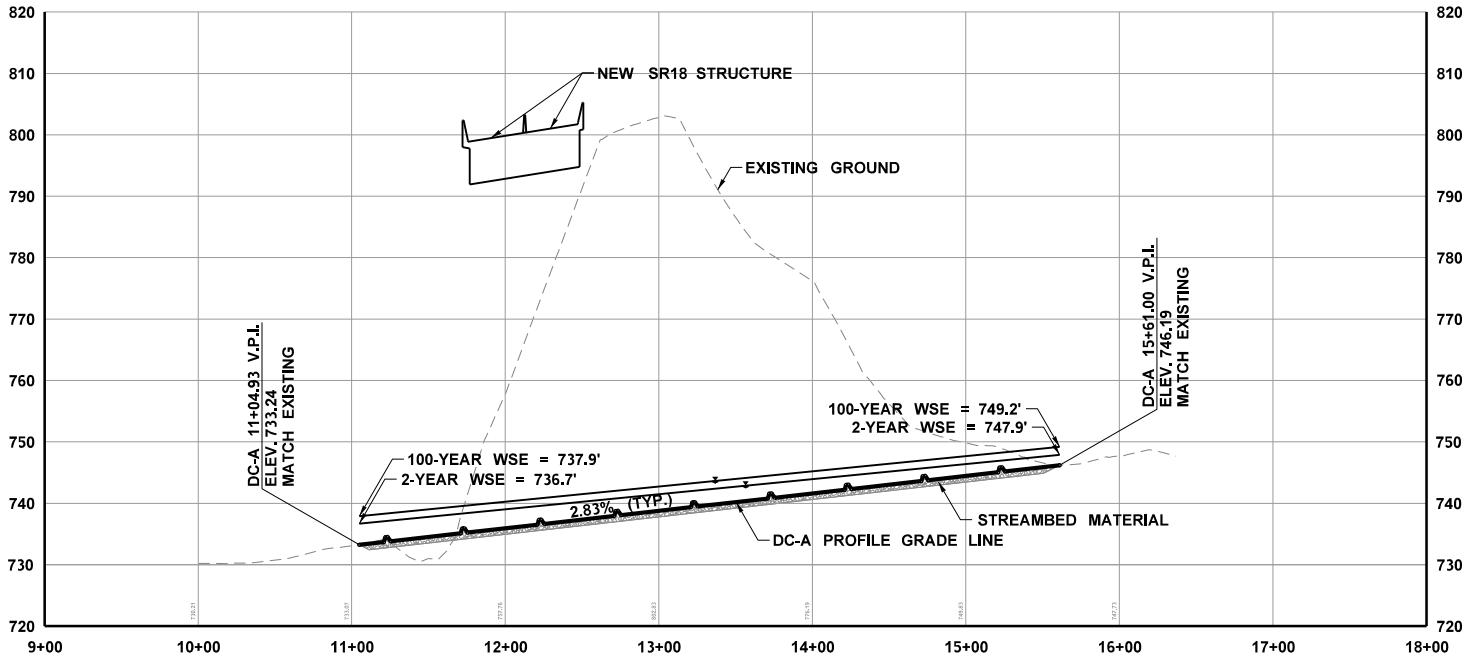
0 12.5 25
SCALE IN FEET

PROJECT NAME: I–90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W | S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

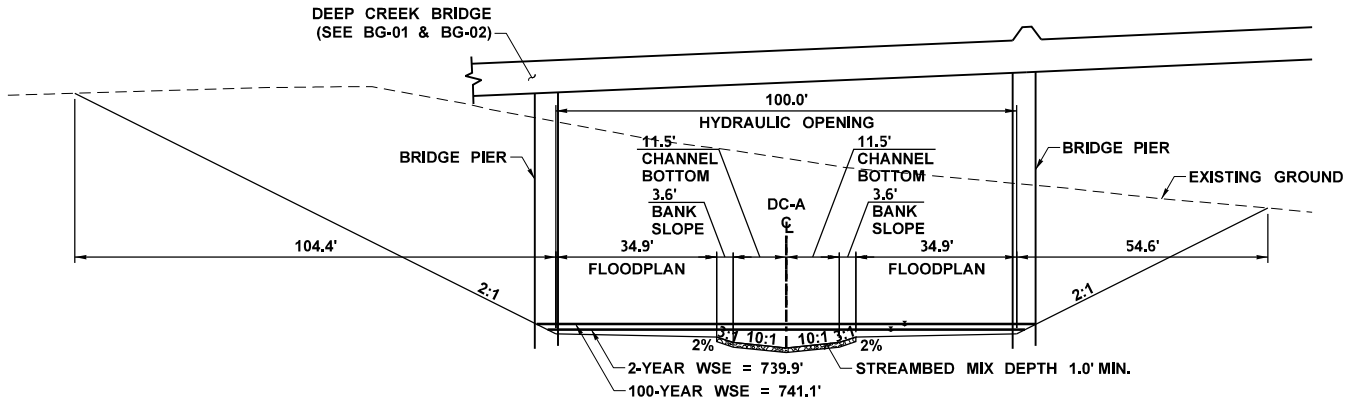
Washington State
Department of Transportation

SHEET: 61 OF: 132

T.23N. R.7E. W.M.



DEEP CREEK (DC-A)
PROPOSED STREAM RESTORATION PROFILE
SEE DESIGN SHEET FP1-03
NTS



SECTION A-2 - DEEP CREEK (DC-A)
SEE DESIGN SHEET FP1-07
(SEE MATCHED SHEET #59 OF 132)
PROPOSED STREAM RESTORATION TYPICAL SECTION
NTS

GENERAL NOTES:

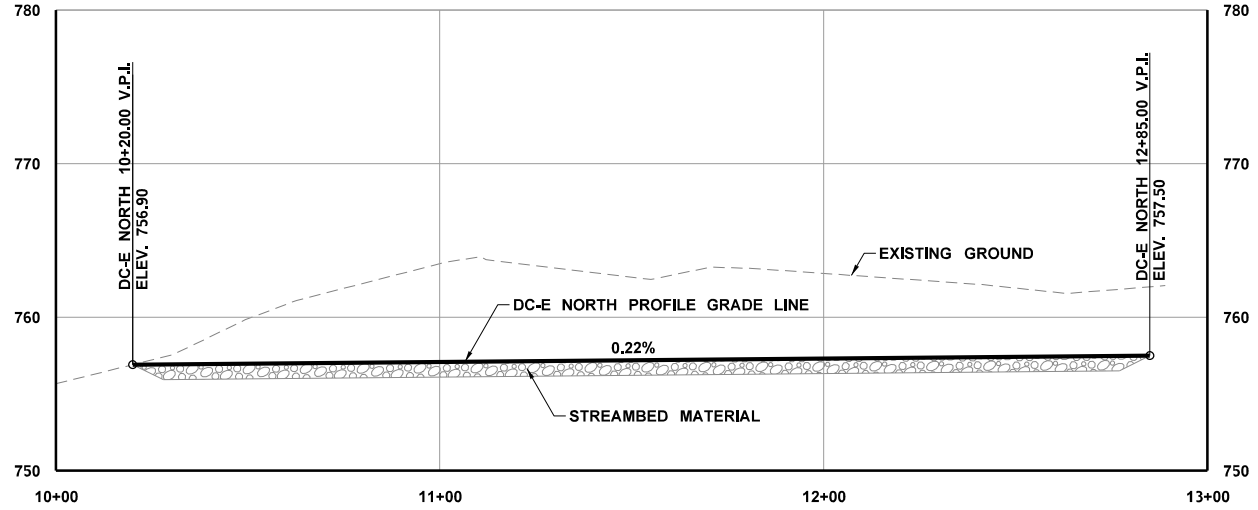
1. STREAMBED MIX: 40% STREAMBED SEDIMENT AND 60% 12-INCH STREAMBED COBBLES

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS-2019-115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W | S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

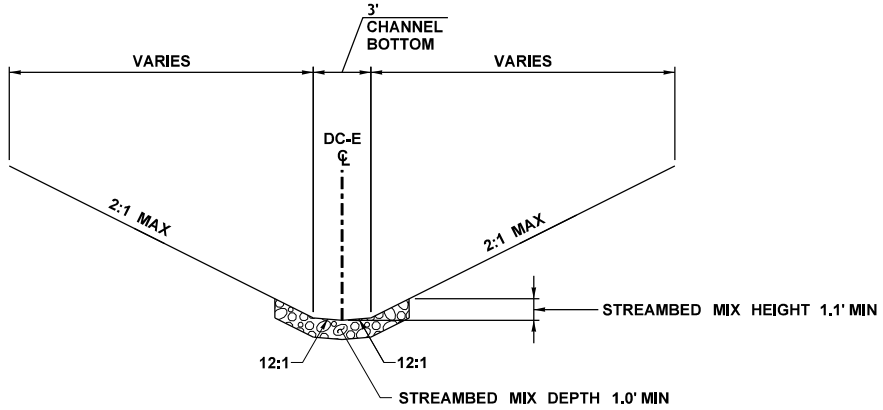
Washington State
Department of Transportation

SHEET: 62 OF: 132

T.23N. R.7E. W.M.



DEEP CREEK TRIBUTARY (DC-E)
PROPOSED STREAM RESTORATION PROFILE
SEE DESIGN SHEET FP1-04, FP1-05
NTS



SECTION PHD2 - DEEP CREEK TRIBUTARY (DC-E)
SEE DESIGN SHEET FP1-08
(SEE MATCHED SHEET #59 OF 132)
PROPOSED STREAM RESTORATION TYPICAL SECTION
NTS

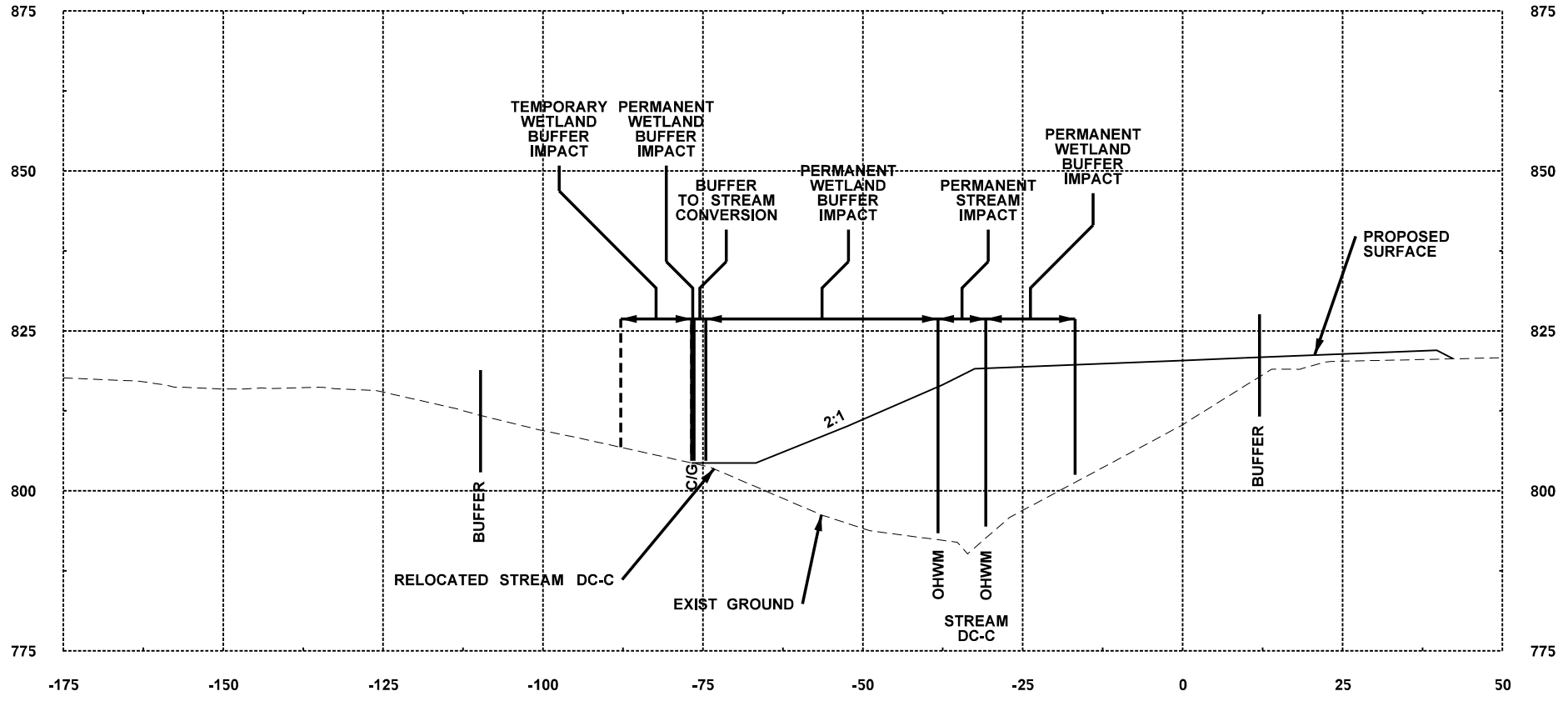
GENERAL NOTES:

1. STREAMBED MIX: 40% STREAMBED SEDIMENT AND 60% 12-INCH STREAMBED COBBLES

PROJECT NAME: I–90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W | S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State
Department of Transportation

T.23N. R.7E. W.M.



CROSS SECTION #3
(SEE MATCHED SHEET #59 OF 132)

W ⟶ E

WB = WETLAND BOUNDARY
OHWM = ORDINARY HIGH WATER MARK
C/G = CLEARING AND GRUBBING LIMIT
C/F = CUT AND FILL LIMIT

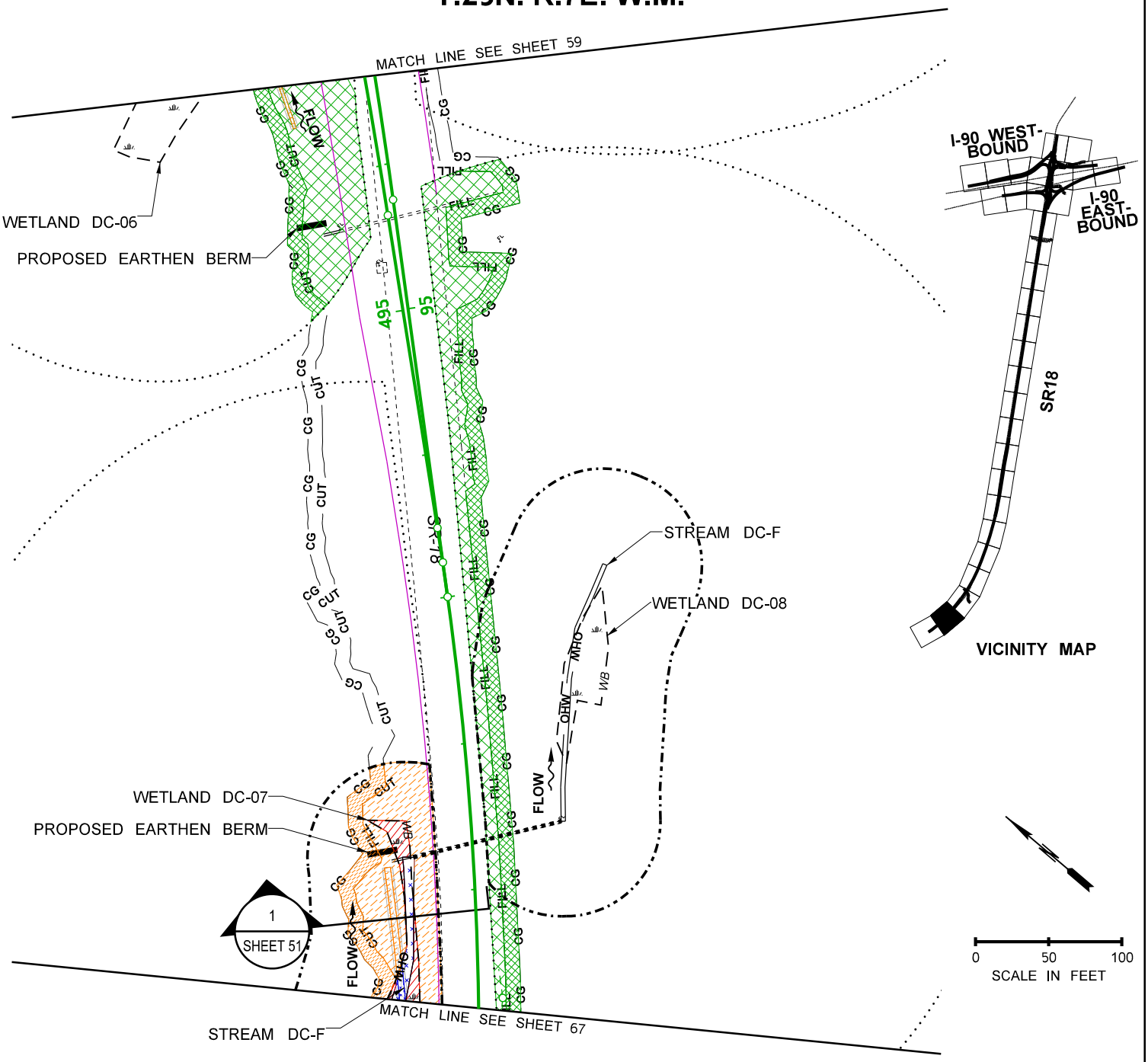
0 12.5 25
SCALE IN FEET

PROJECT NAME: I–90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W | S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State
Department of Transportation

SHEET: 64 OF: 132

T.23N. R.7E. W.M.



LEGEND

PERM. WETLAND IMPACT	TEMP. WETLAND IMPACT	PERM. STREAM BUFFER IMPACT	TEMP. STREAM BUFFER IMPACT	JD PERM. IMPACT	
PERM. WETLAND BUFFER IMPACT	TEMP. WETLAND BUFFER IMPACT	PERM. PIPED STREAM IMPACT	BUFFER TO STREAM CONVERSION	JD TEMP. IMPACT	
PERM. STREAM IMPACT	TEMP. STREAM IMPACT	BUFFER VEGETATION CONVERSION	WETLAND TO STREAM CONVERSION	INDIRECT IMPACTS	

WETLAND	EXISTING EOP	PROPOSED EOP	
STREAM BED MATERIAL	EXISTING CULVERT	PROPOSED DITCH	
RIPRAP MATERIAL	OHWM	CLEAR/GRUB LINE	
PROPOSED CULVERT	JURISDICTIONAL DITCH	PROPOSED CUT	
	EXISTING DITCH	PROPOSED FILL	
	WETLAND BUFFER	PROPOSED FISH PASSAGE IMPACTS	
	STREAM BUFFER		

GENERAL NOTE:

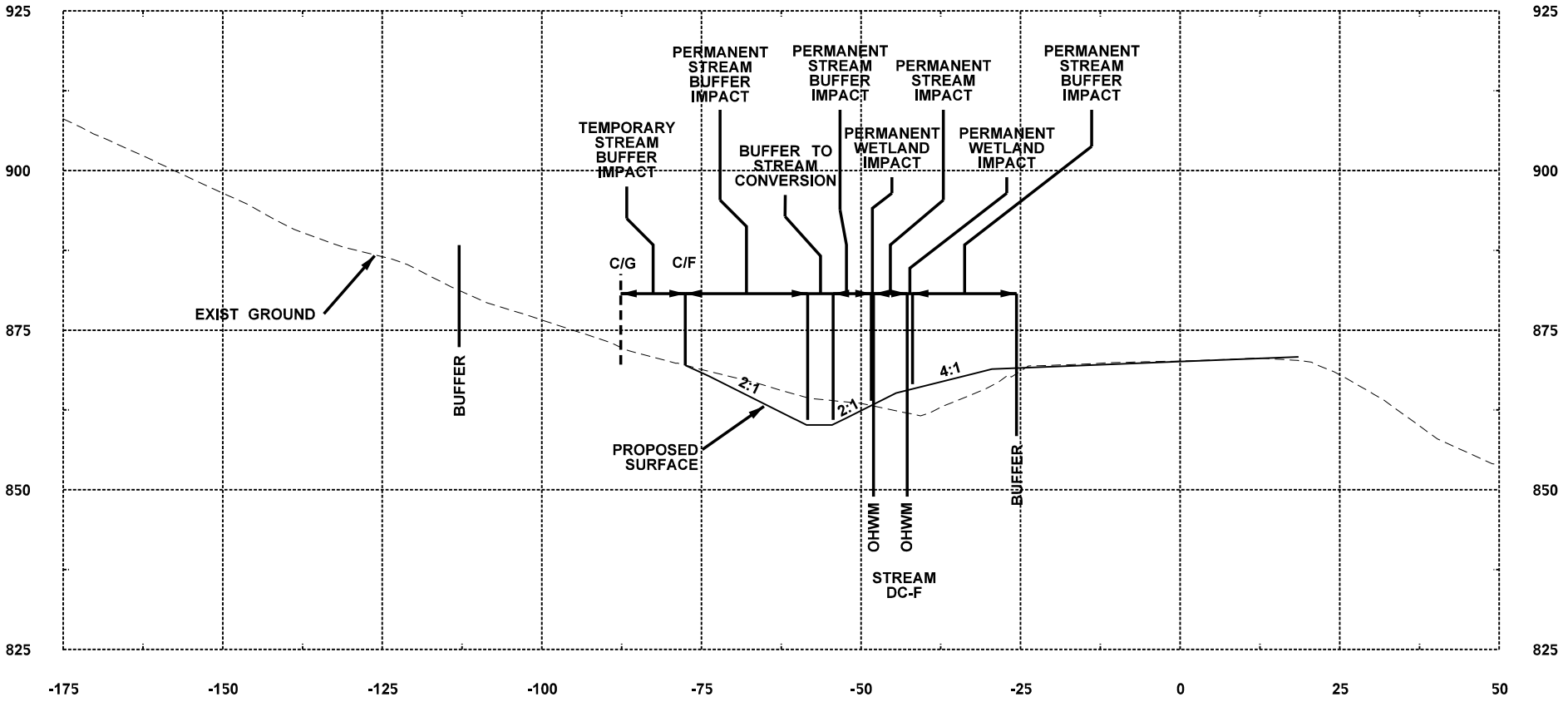
1. IMPACTS TO STREAM DC-F ARE ASSOCIATED WITH ROADWAY REALIGNMENT / EXPANSION. THE STREAM WILL BE RIPRAPPED POST-CONSTRUCTION TO REDUCE SCOUR POTENTIAL

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W|S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

T.23N. R.7E. W.M.



CROSS SECTION #1
(SEE MATCHED SHEET #65 OF 132)

W ⟶ E

WB = WETLAND BOUNDARY
OHWM = ORDINARY HIGH WATER MARK
C/G = CLEARING AND GRUBBING LIMIT
C/F = CUT AND FILL LIMIT

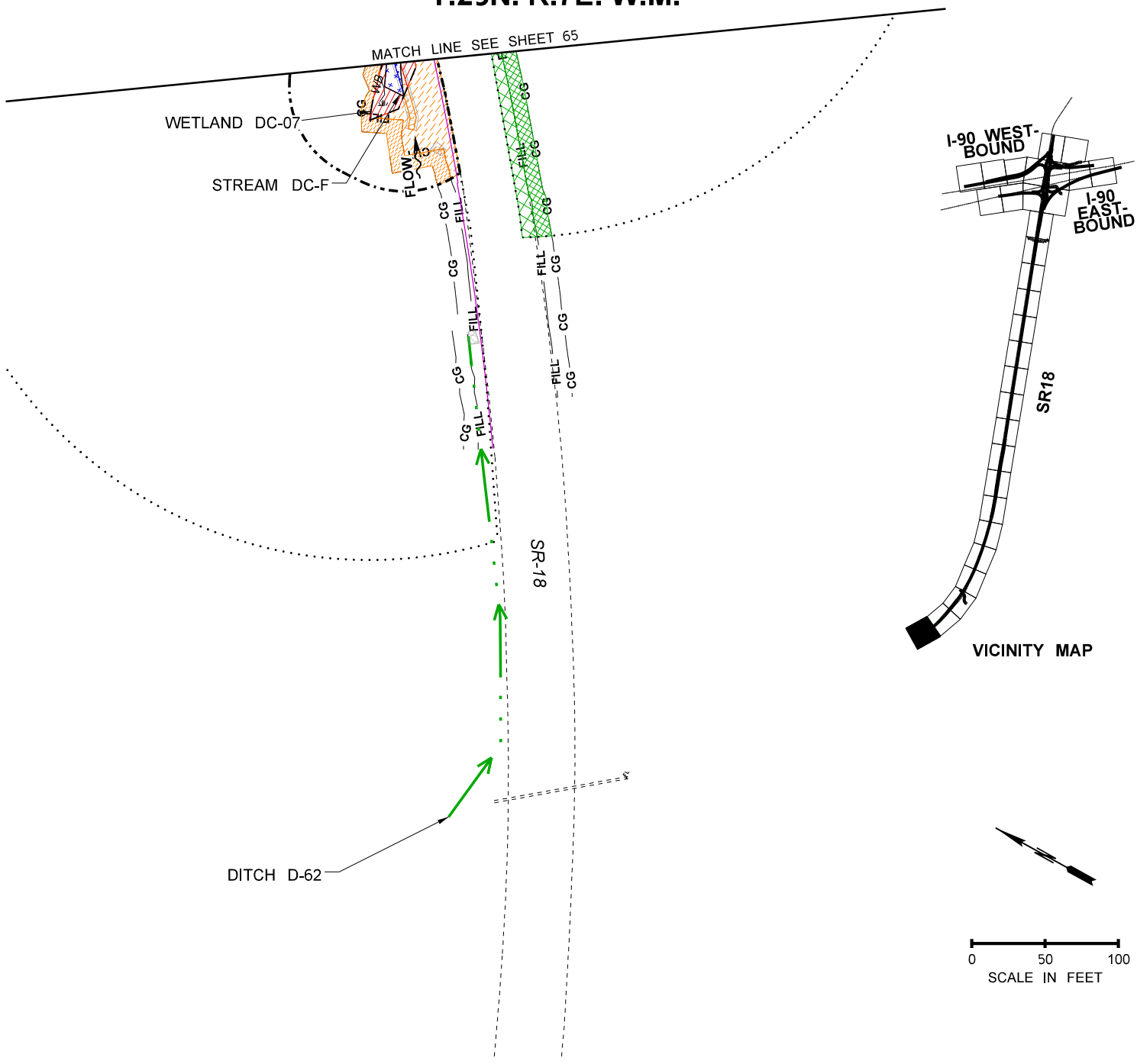
0 12.5 25
SCALE IN FEET

PROJECT NAME: I–90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W | S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State
Department of Transportation

SHEET: 66 OF: 132

T.23N. R.7E. W.M.



LEGEND

PERM. WETLAND IMPACT	TEMP. WETLAND IMPACT	PERM. STREAM BUFFER IMPACT	TEMP. STREAM BUFFER IMPACT	JD PERM. IMPACT			
PERM. WETLAND BUFFER IMPACT	TEMP. WETLAND BUFFER IMPACT	PERM. PIPED STREAM IMPACT	BUFFER TO STREAM CONVERSION	JD TEMP. IMPACT			
PERM. STREAM IMPACT	TEMP. STREAM IMPACT	BUFFER VEGETATION CONVERSION	WETLAND TO STREAM CONVERSION	INDIRECT IMPACTS			
WETLAND		EXISTING EOP		PROPOSED EOP			
STREAM BED MATERIAL		EXISTING CULVERT		PROPOSED DITCH			
RIPRAP MATERIAL		OHWM		CLEAR/GRUB LINE			
PROPOSED CULVERT		JURISDICTIONAL DITCH		PROPOSED CUT			
		EXISTING DITCH		PROPOSED FILL			
		WETLAND BUFFER		PROPOSED FISH PASSAGE IMPACTS			
		STREAM BUFFER					

	N/A
PROJECT DATA	N/A
FISH WINDOW	JUL N/A SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
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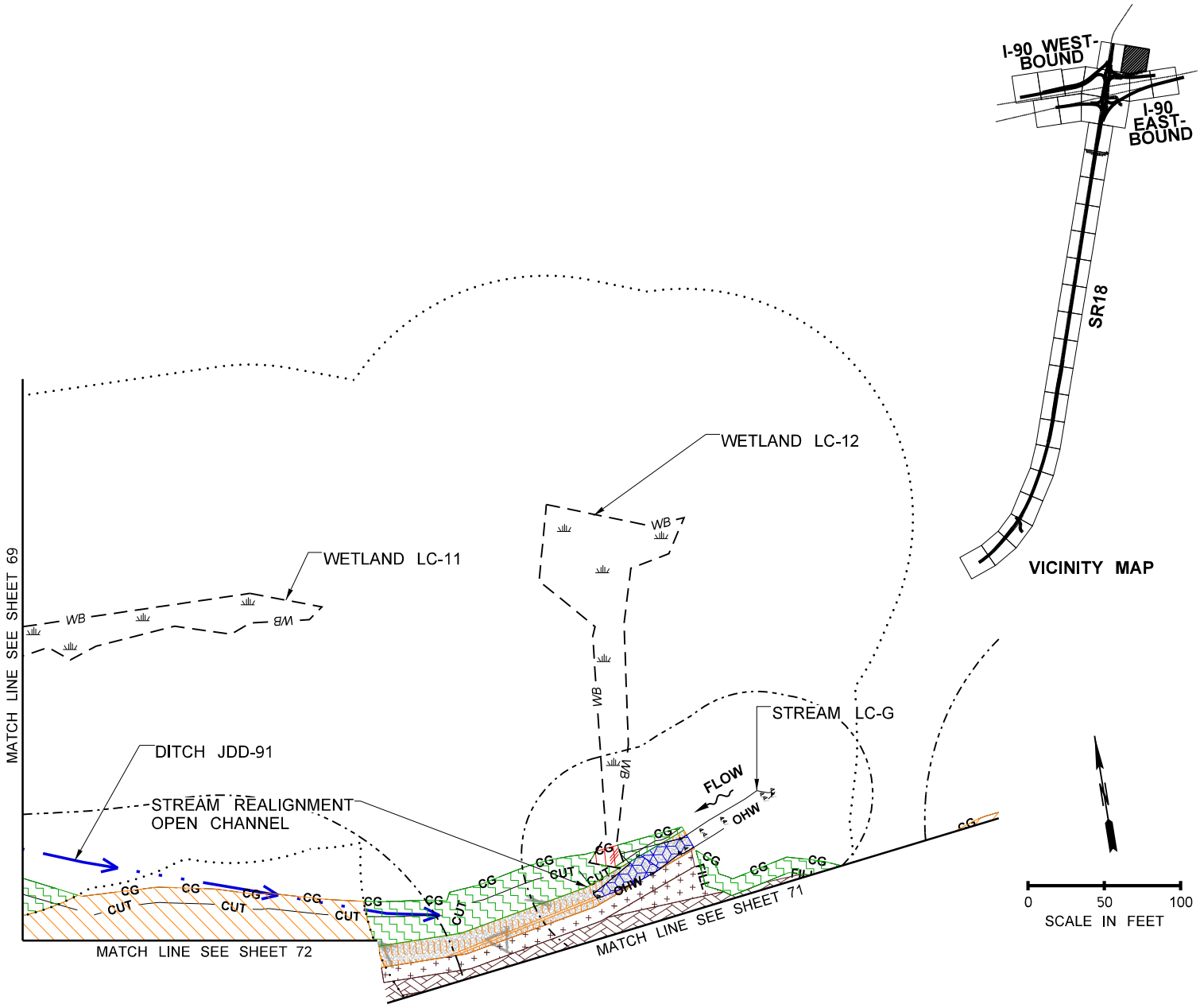
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
IMPACT SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 67 OF 132

T.23N. R.7E. W.M.

RESTORATION FIGURES



LEGEND

- STREAM RESTORATION
- STREAM BUFFER CREATION
- WETLAND TO BUFFER CONVERSION
- WETLAND TO STREAM CONVERSION
- STREAM BUFFER RESTORATION
- WETLAND RESTORATION
- STREAM TO BUFFER CONVERSION
- NON-BUFFER FORESTED
- STREAM CREATION
- WETLAND BUFFER RESTORATION
- BUFFER TO STREAM CONVERSION
- NON-BUFFER SHRUB
- WETLAND
- STREAM BED MATERIAL
- RIPRAP MATERIAL
- PROPOSED CULVERT
- PROPOSED EOP
- EXISTING EOP
- EXISTING CULVERT
- OHWM
- JURISDICTIONAL DITCH
- WETLAND BUFFER
- STREAM BUFFER
- NON-BUFFER GRASS SEEDING

GENERAL NOTE:

1. LOCATION AND ORIENTATION OF LARGE WOODY MATERIAL (LWM) STRUCTURES AS SHOWN ON SHEET ARE APPROXIMATE AND WILL BE STAKED IN THE FIELD BY THE ENGINEER.

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
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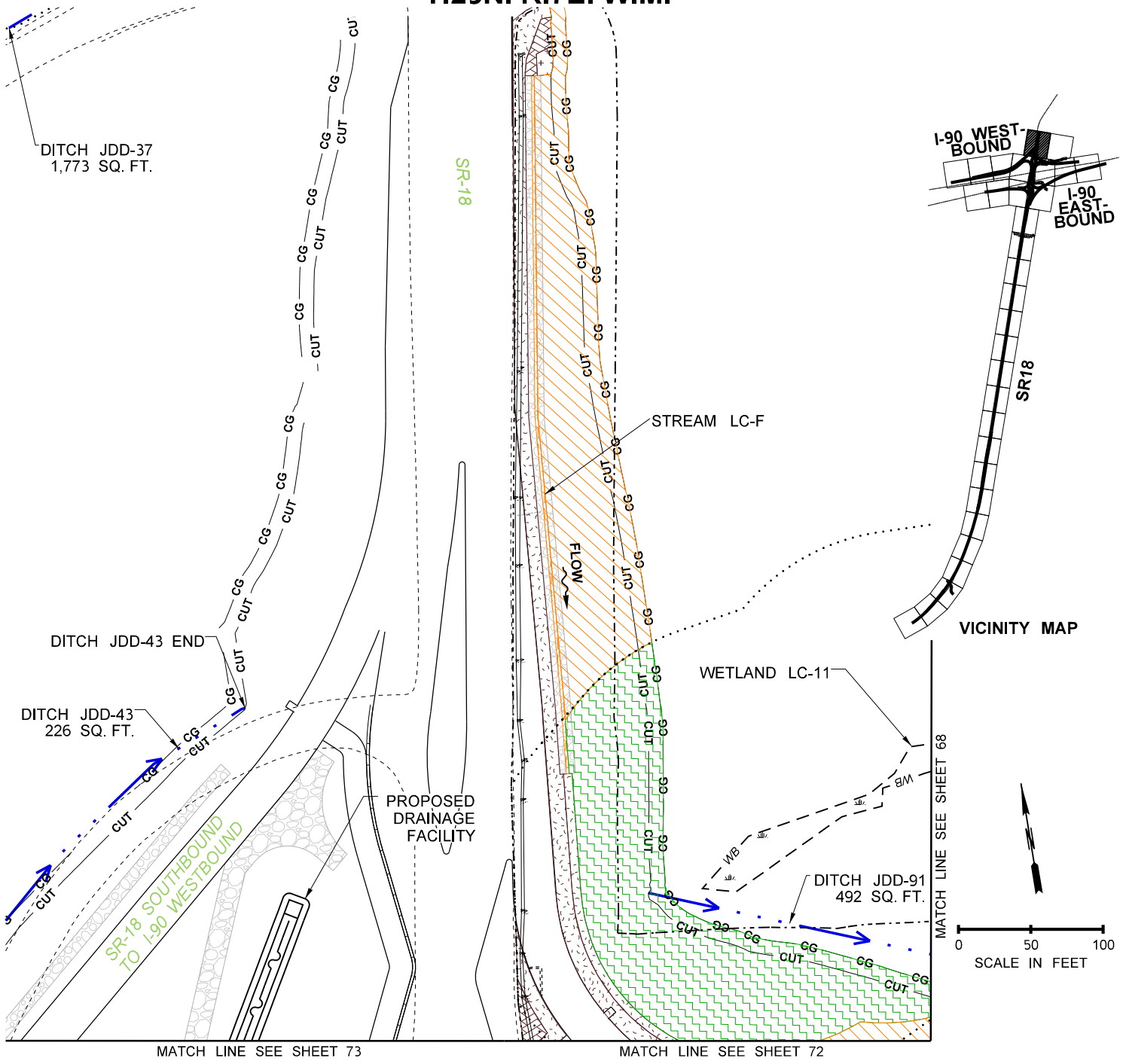
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
RESTORATION SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

T.23N. R.7E. W.M.



LEGEND

- STREAM RESTORATION
- STREAM BUFFER CREATION
- WETLAND TO BUFFER CONVERSION
- WETLAND TO STREAM CONVERSION
- STREAM BUFFER RESTORATION
- WETLAND RESTORATION
- STREAM TO BUFFER CONVERSION
- NON-BUFFER FORESTED
- STREAM CREATION
- WETLAND BUFFER RESTORATION
- BUFFER TO STREAM CONVERSION
- NON-BUFFER SHRUB
- WETLAND
- STREAM BED MATERIAL
- RIPRAP MATERIAL
- PROPOSED CULVERT
- PROPOSED EOP
- EXISTING EOP
- EXISTING CULVERT
- OHWM
- JURISDICTIONAL DITCH
- WETLAND BUFFER
- STREAM BUFFER
- NON-BUFFER GRASS SEEDING

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
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RESTORATION SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

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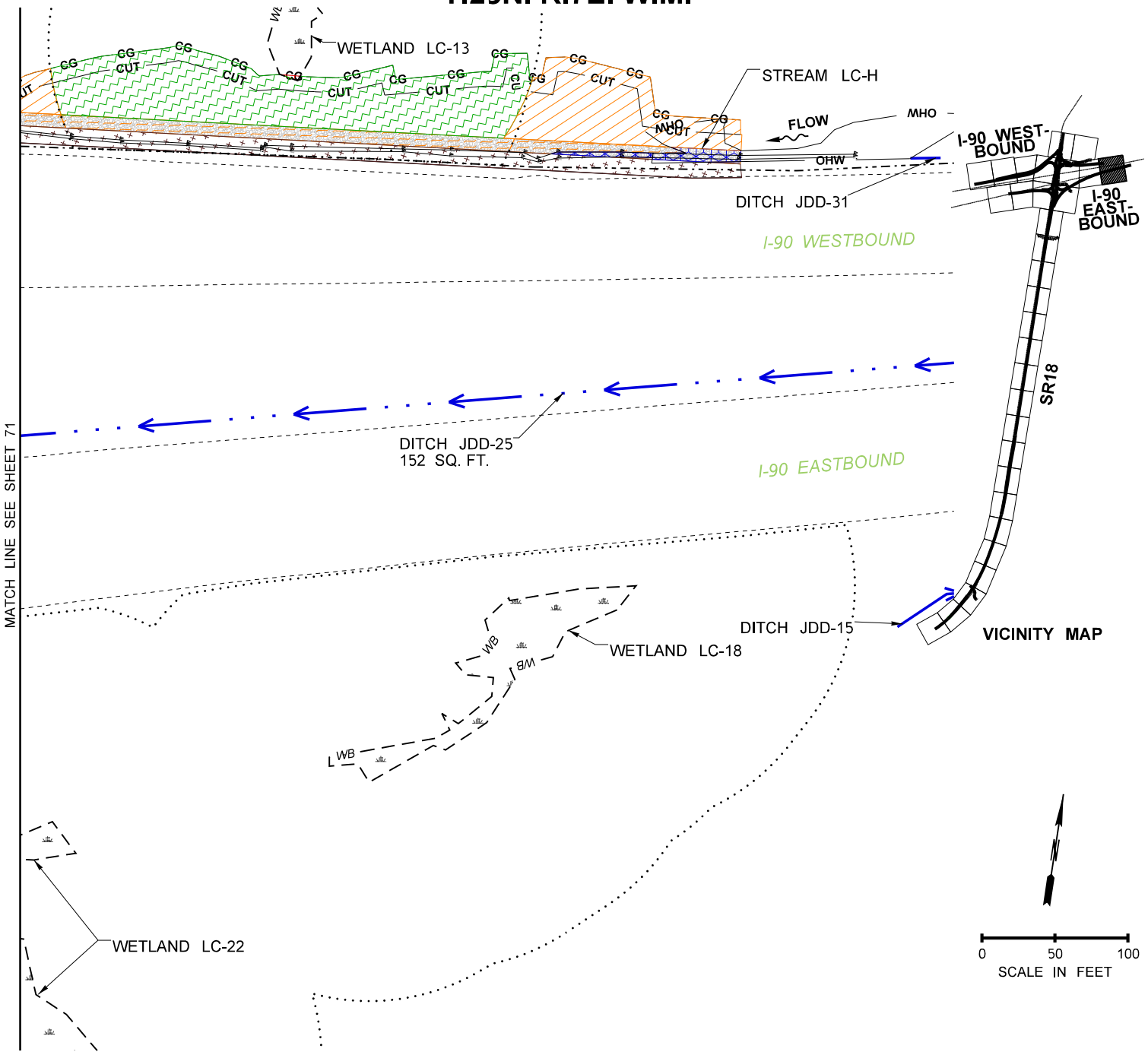

LEGEND

- STREAM RESTORATION
- STREAM BUFFER CREATION
- WETLAND TO BUFFER CONVERSION
- WETLAND TO STREAM CONVERSION
- STREAM BUFFER RESTORATION
- WETLAND RESTORATION
- STREAM TO BUFFER CONVERSION
- NON-BUFFER FORESTED
- STREAM CREATION
- WETLAND BUFFER RESTORATION
- BUFFER TO STREAM CONVERSION
- NON-BUFFER SHRUB
- WETLAND
- STREAM BED MATERIAL
- RIPRAP MATERIAL
- PROPOSED CULVERT
- PROPOSED EOP
- EXISTING EOP
- EXISTING CULVERT
- OHWM
- JURISDICTIONAL DITCH
- WETLAND BUFFER
- STREAM BUFFER
- NON-BUFFER GRASS SEEDING

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
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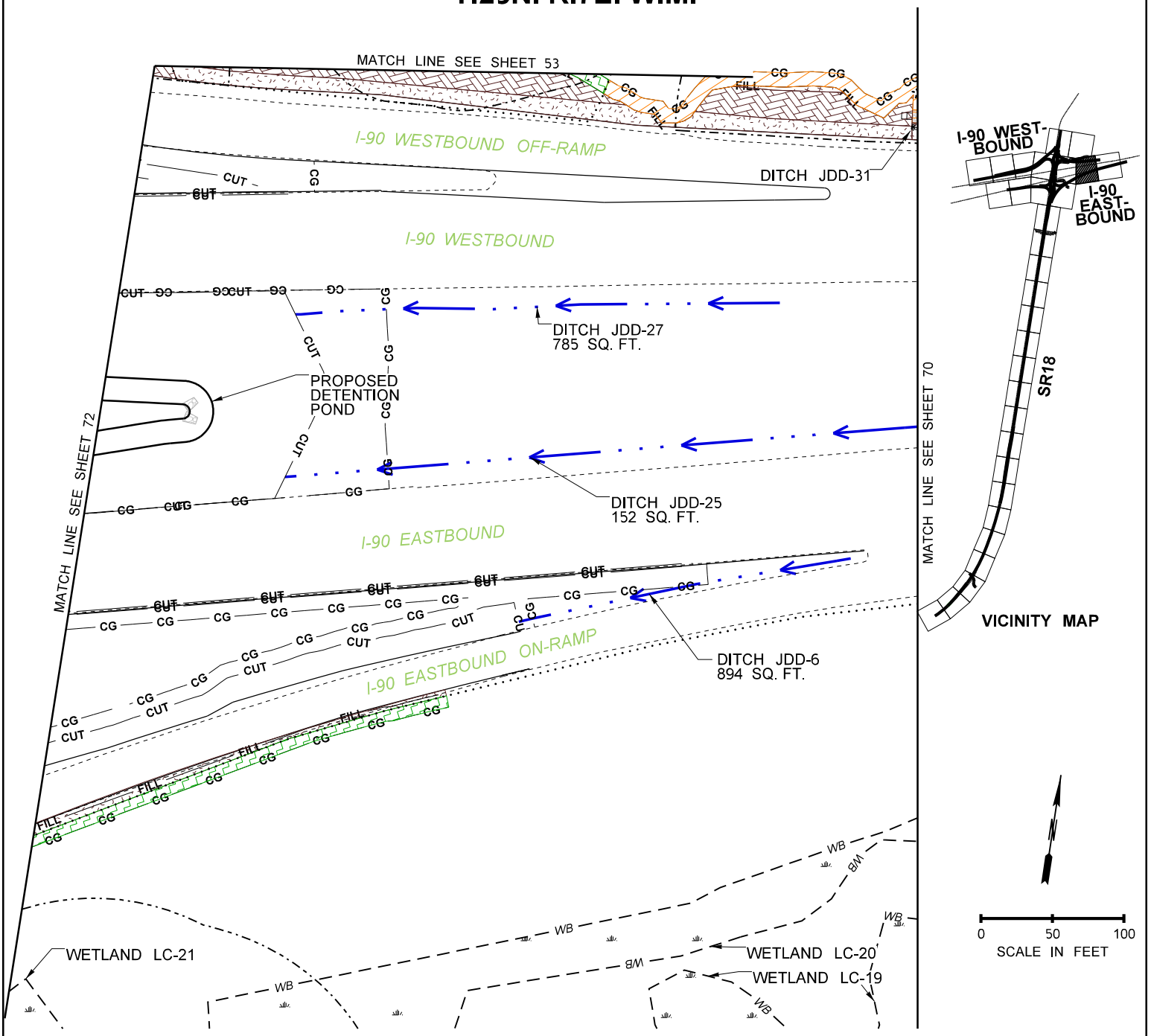
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
RESTORATION SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

T.23N. R.7E. W.M.



LEGEND

- STREAM RESTORATION
- STREAM BUFFER CREATION
- WETLAND TO BUFFER CONVERSION
- WETLAND TO STREAM CONVERSION
- STREAM BUFFER RESTORATION
- WETLAND RESTORATION
- STREAM TO BUFFER CONVERSION
- NON-BUFFER FORESTED
- STREAM CREATION
- WETLAND BUFFER RESTORATION
- BUFFER TO STREAM CONVERSION
- NON-BUFFER SHRUB
- WETLAND
- STREAM BED MATERIAL
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- PROPOSED CULVERT
- PROPOSED EOP
- EXISTING EOP
- EXISTING CULVERT
- OHWM
- JURISDICTIONAL DITCH
- WETLAND BUFFER
- STREAM BUFFER
- NON-BUFFER GRASS SEEDING

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
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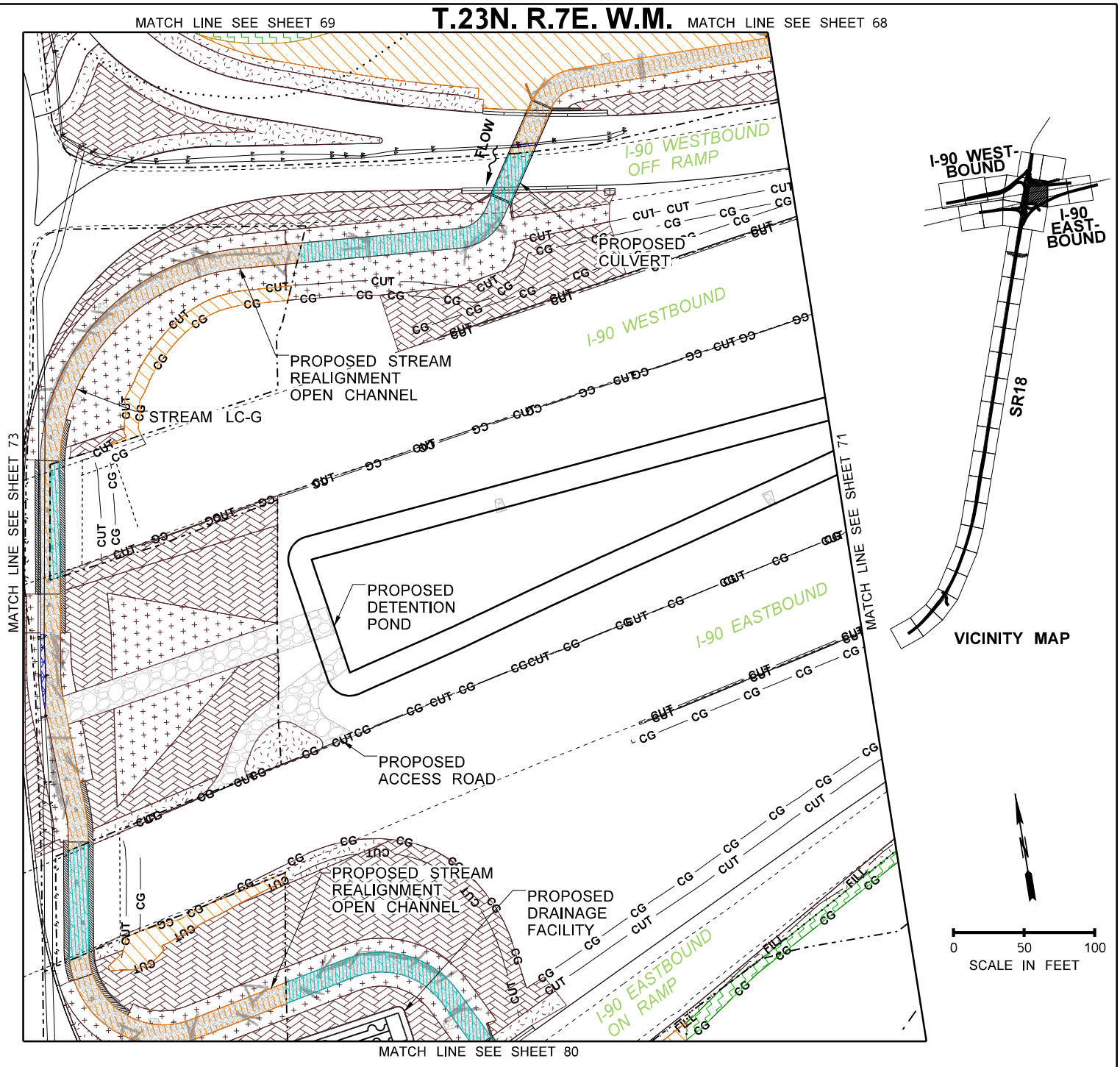
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
RESTORATION SHEETS	DATE: JANUARY 20, 2022

Washington State
Department of Transportation



LEGEND

- STREAM RESTORATION
- STREAM BUFFER CREATION
- WETLAND TO BUFFER CONVERSION
- WETLAND TO STREAM CONVERSION
- STREAM BUFFER RESTORATION
- WETLAND RESTORATION
- STREAM TO BUFFER CONVERSION
- NON-BUFFER FORESTED
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- WETLAND BUFFER
- STREAM BUFFER
- NON-BUFFER GRASS SEEDING

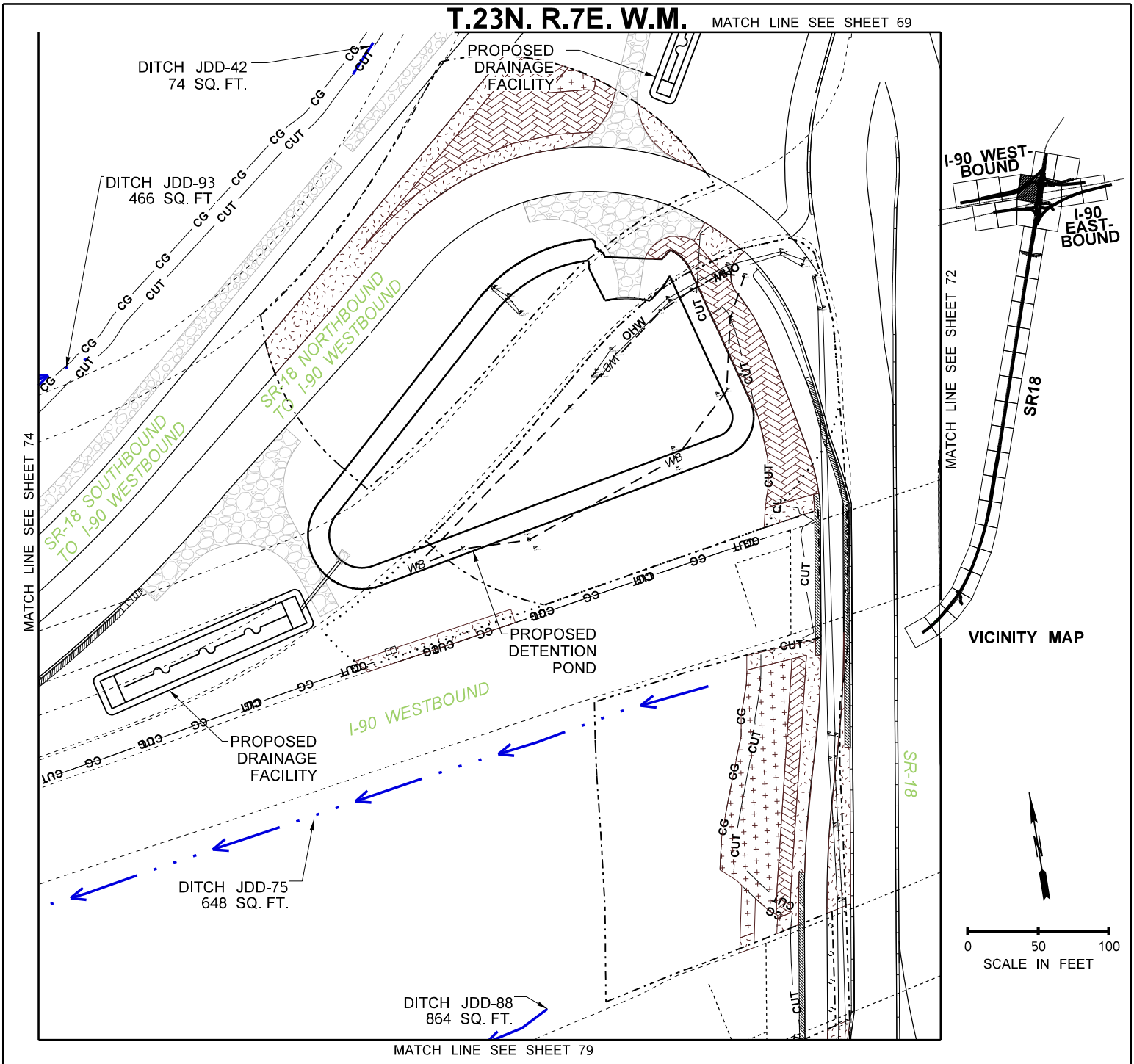
GENERAL NOTE:

1. LOCATION AND ORIENTATION OF LARGE WOODY MATERIAL (LWM) STRUCTURES AS SHOWN ON SHEET ARE APPROXIMATE AND WILL BE STAKED IN THE FIELD BY THE ENGINEER.

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W|S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
RESTORATION SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation



LEGEND

- STREAM RESTORATION
- STREAM BUFFER CREATION
- WETLAND TO BUFFER CONVERSION
- WETLAND TO STREAM CONVERSION
- STREAM BUFFER RESTORATION
- WETLAND RESTORATION
- STREAM TO BUFFER CONVERSION
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- STREAM CREATION
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- RIPRAP MATERIAL
- PROPOSED CULVERT
- PROPOSED EOP
- EXISTING EOP
- EXISTING CULVERT
- OHWM
- JURISDICTIONAL DITCH
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- STREAM BUFFER
- NON-BUFFER GRASS SEEDING

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

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RESTORATION SHEETS	DATE: JANUARY 20, 2022

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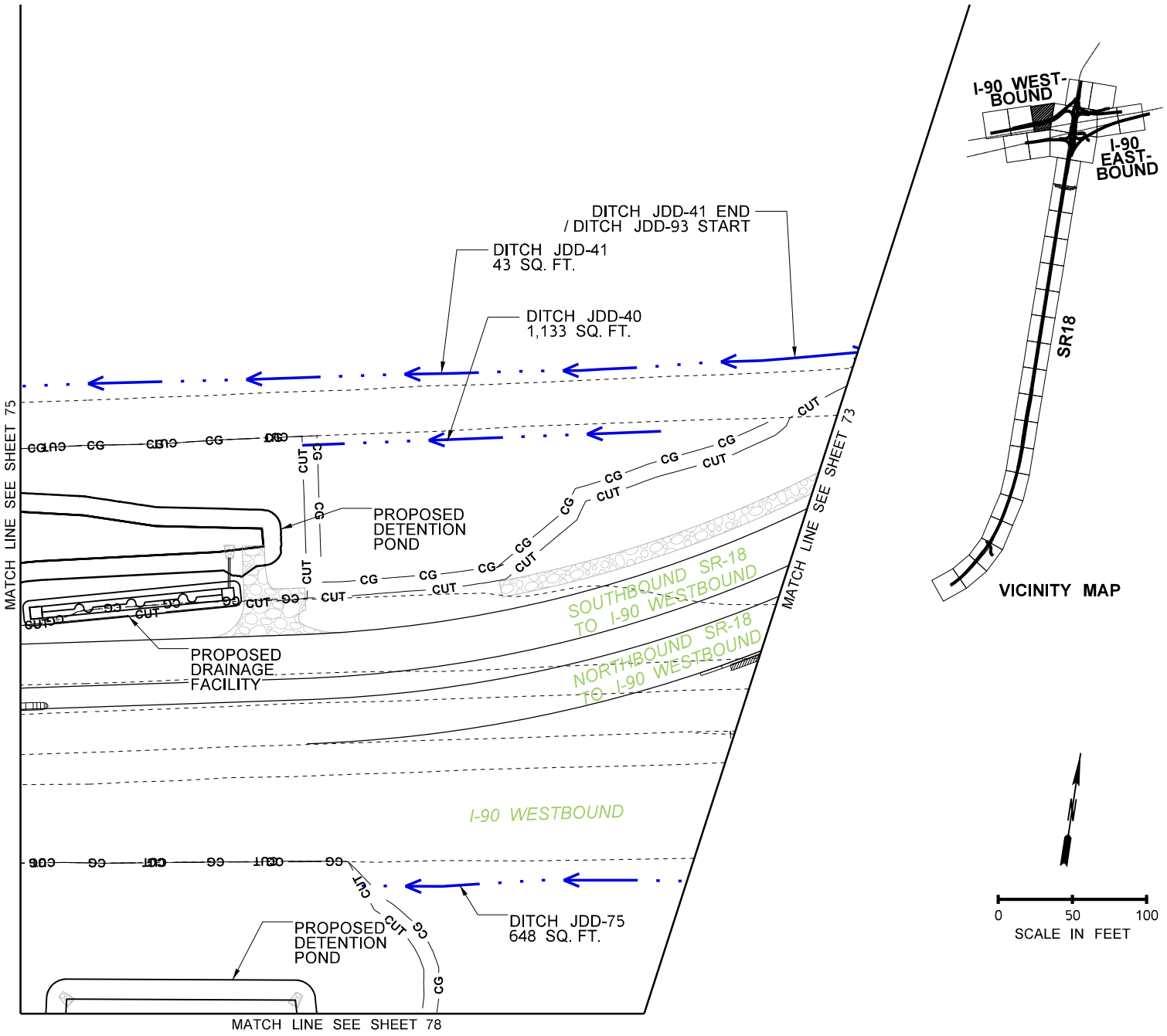
Department of Transportation

T.23N. R.7E. W.M.



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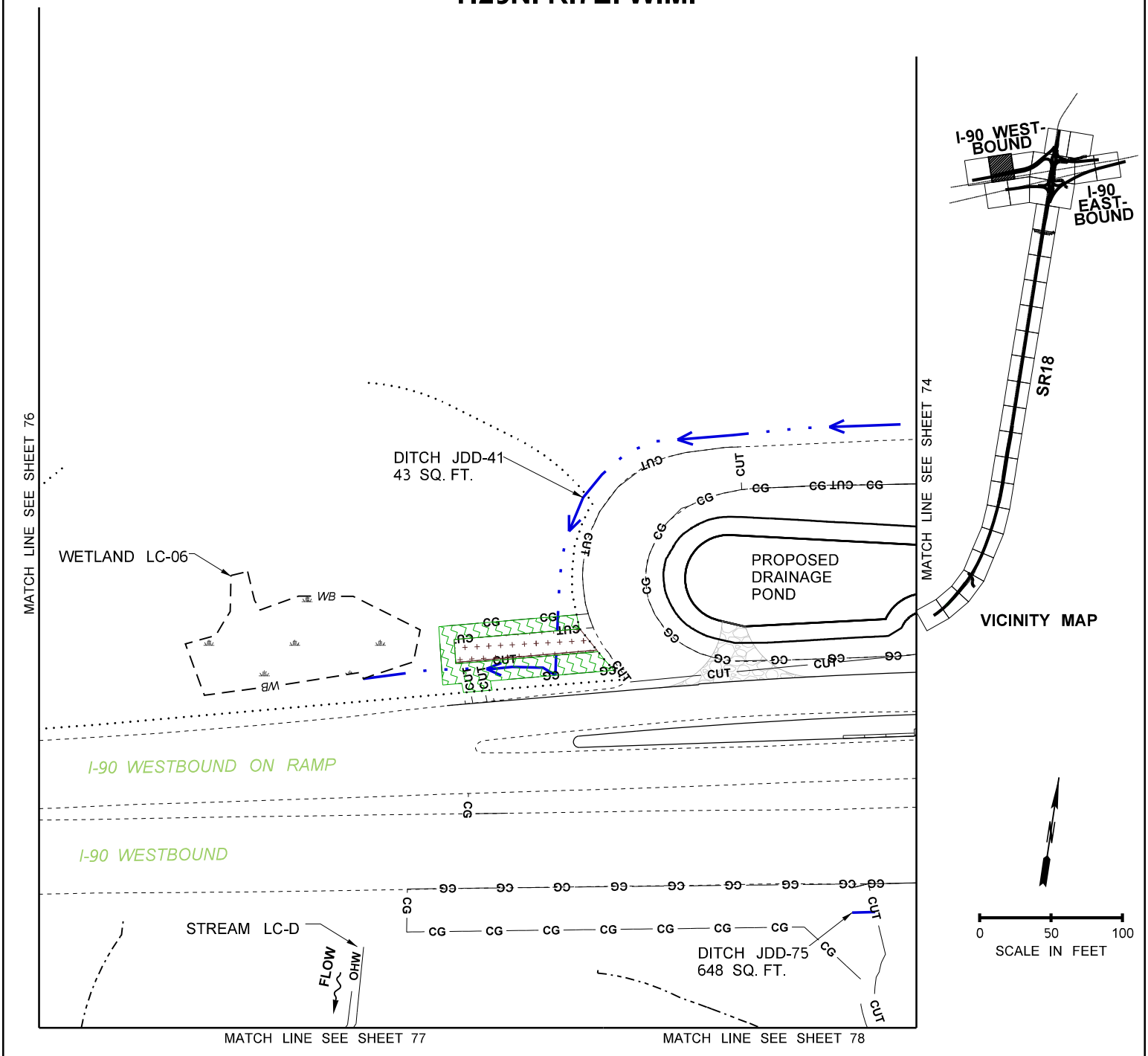
RESTORATION SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 74 OF 132

T.23N. R.7E. W.M.



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RESTORATION SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

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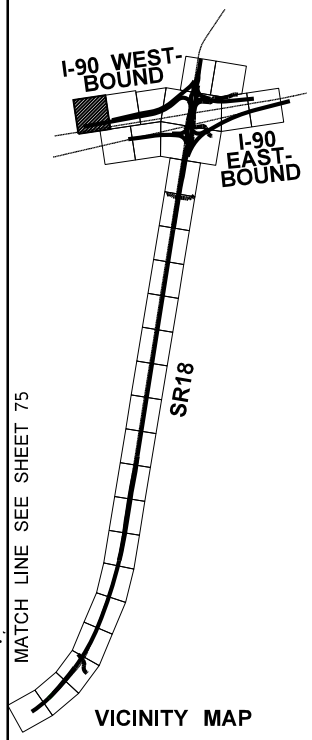
NO RESTORATION ACTIONS ON THIS SHEET



VICINITY MAP

MATCH LINE SEE SHEET 75

I-90 WESTBOUND

0 50 100
SCALE IN FEET

MATCH LINE SEE SHEET 77

LEGEND

- STREAM RESTORATION
- STREAM BUFFER CREATION
- WETLAND TO BUFFER CONVERSION
- WETLAND TO STREAM CONVERSION
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PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

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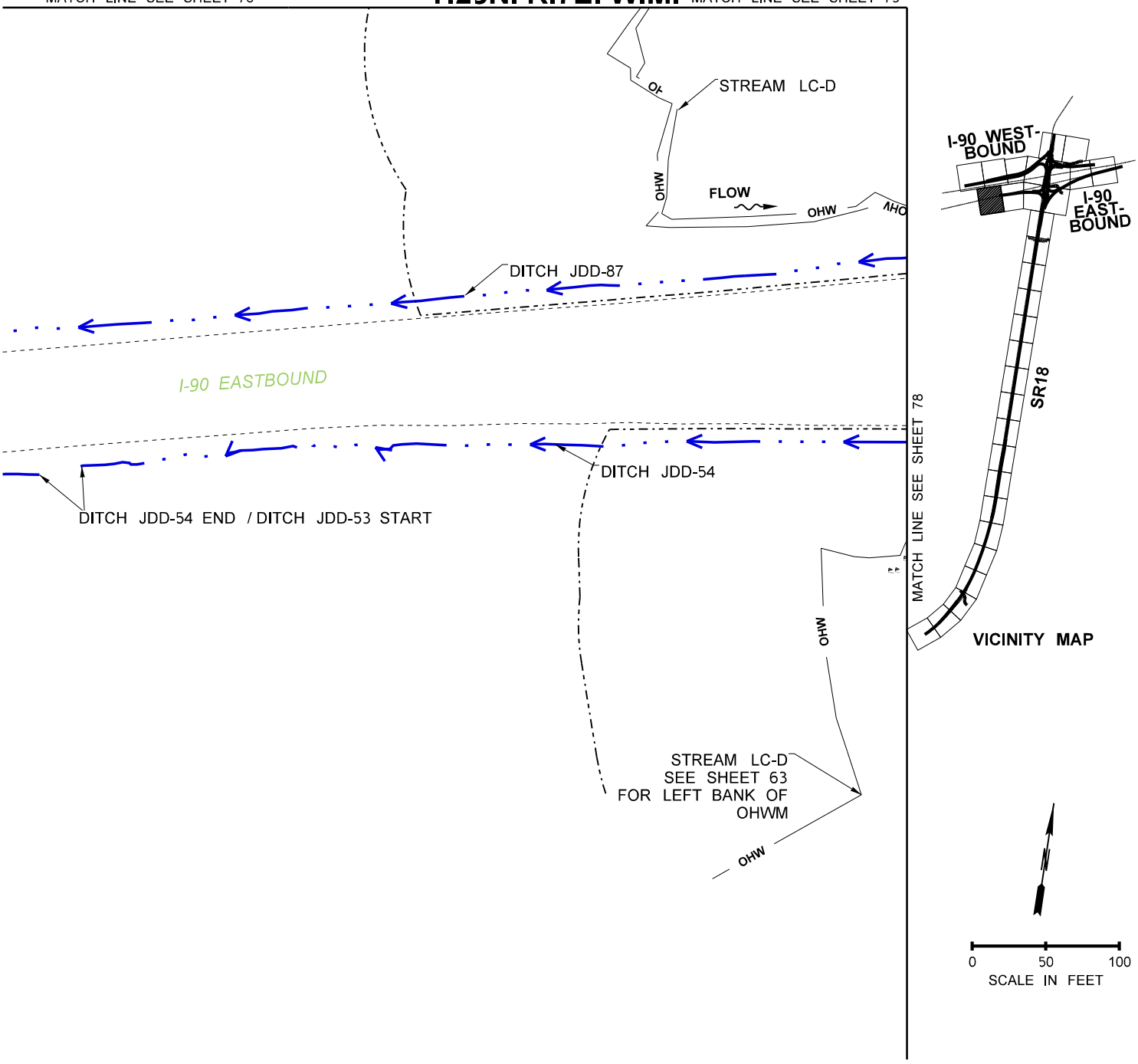
RESTORATION SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

MATCH LINE SEE SHEET 76

T.23N. R.7E. W.M.

MATCH LINE SEE SHEET 75



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PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15
BANK FULL WIDTH	
WDFW SITE ID	
ANTICIPATED CONST.	

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
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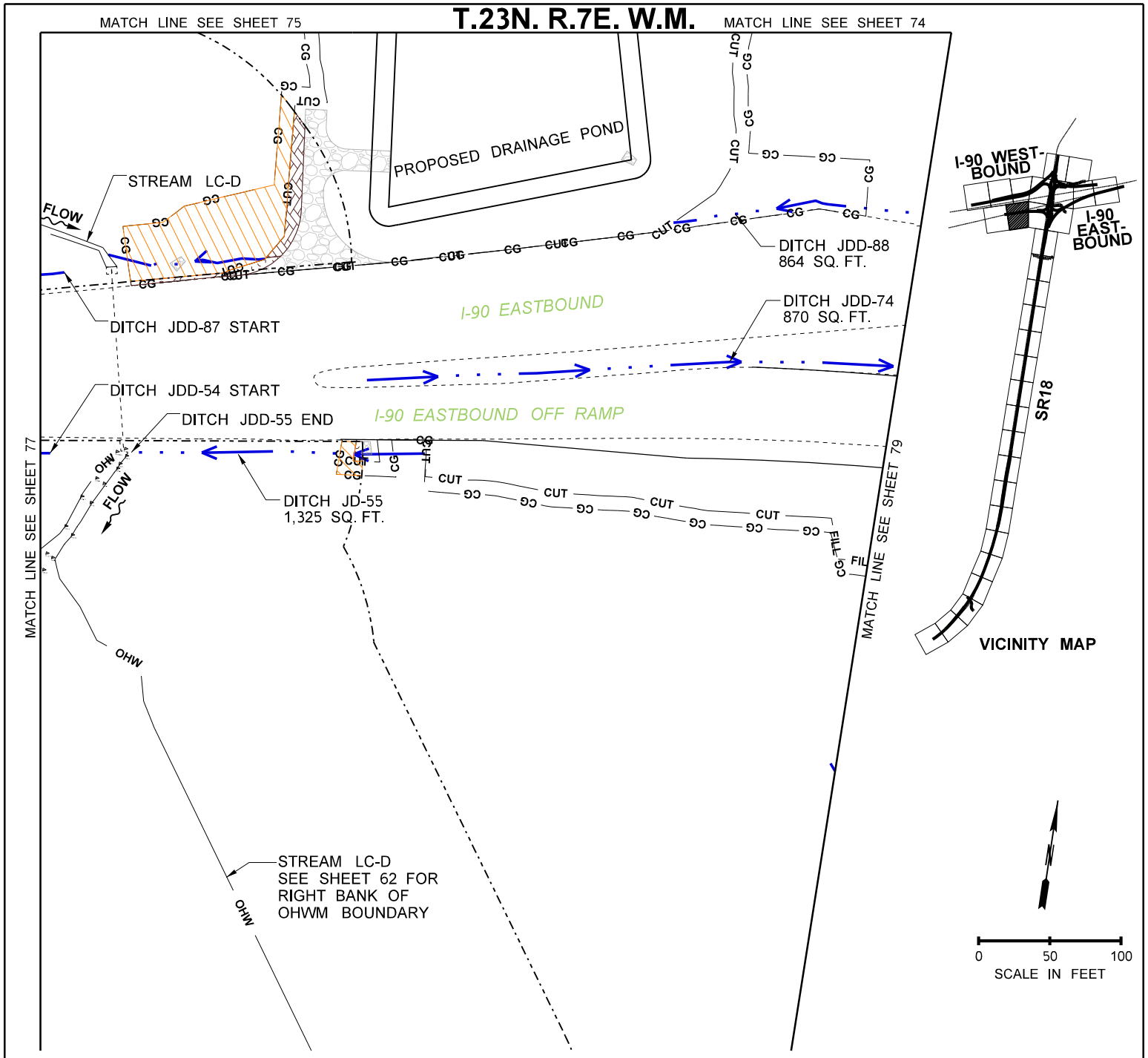
RESTORATION SHEETS	DATE: JUNE 14, 2021

Washington State Department of Transportation



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PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

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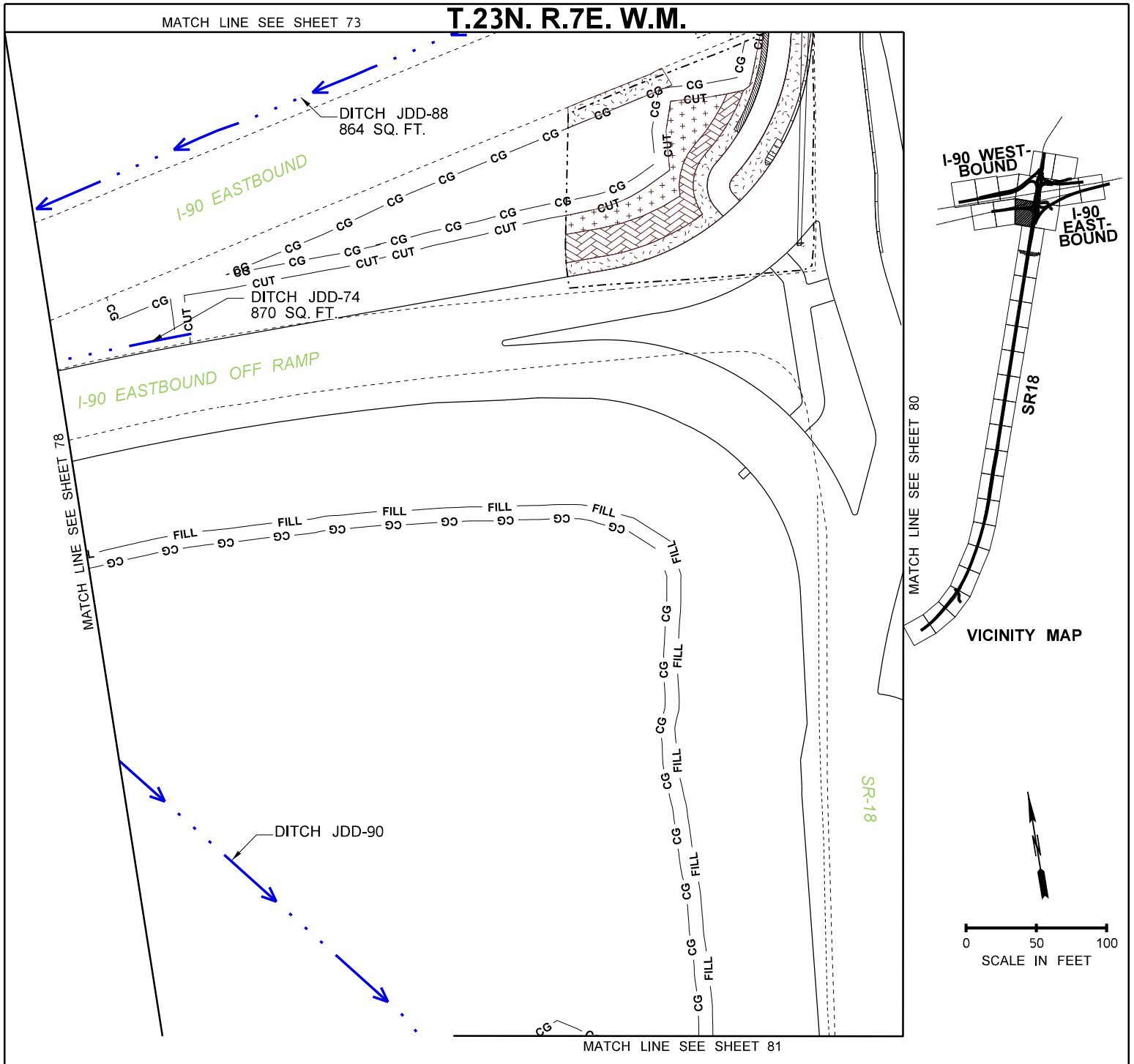
Washington State Department of Transportation



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GENERAL NOTE:

1. HATCHED AREAS ON THIS SHEET NO LONGER BUFFER DUE TO STREAM LC-E CONVERSION TO STORMWATER CONVEYANCE CHANNEL.

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
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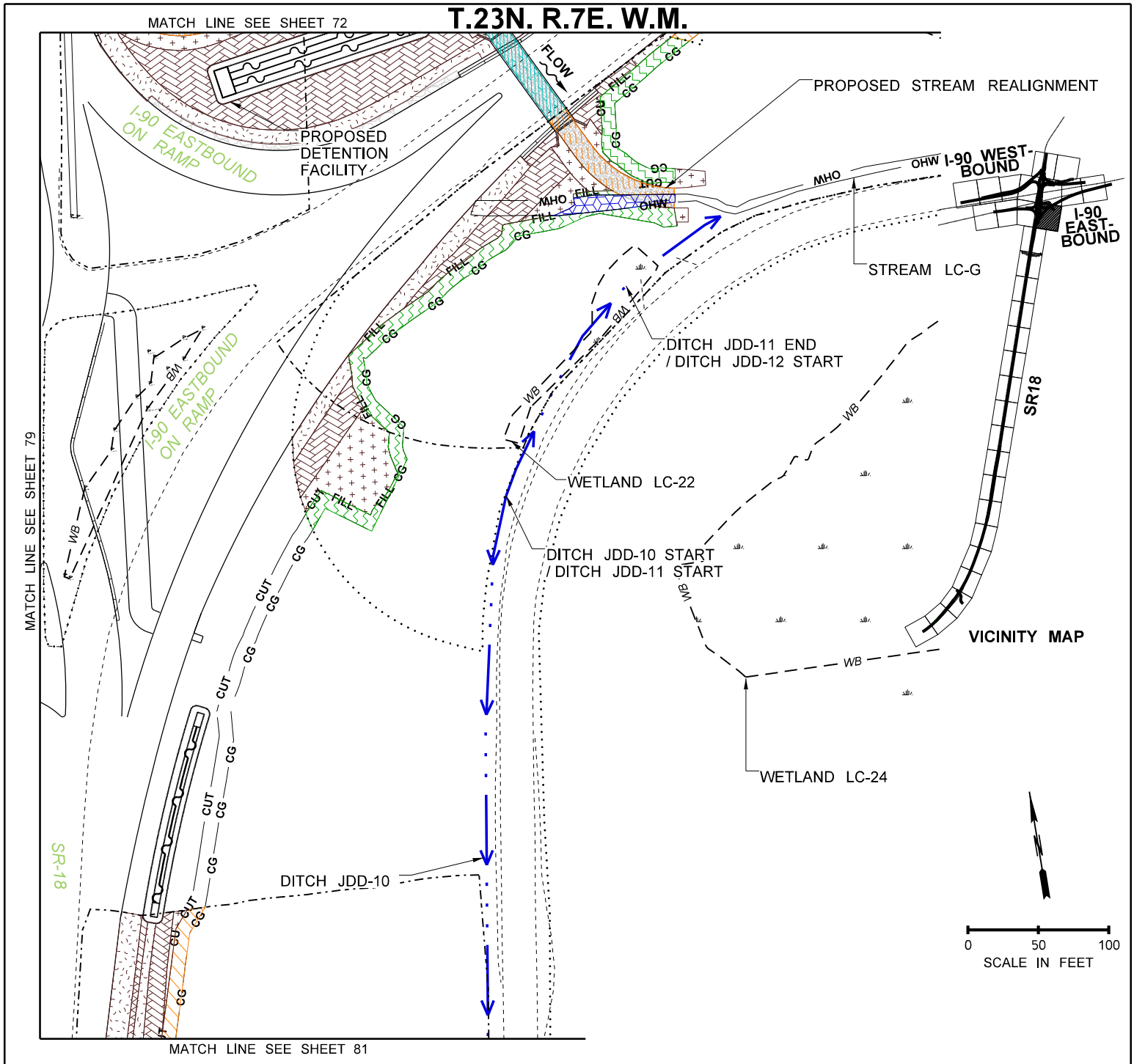

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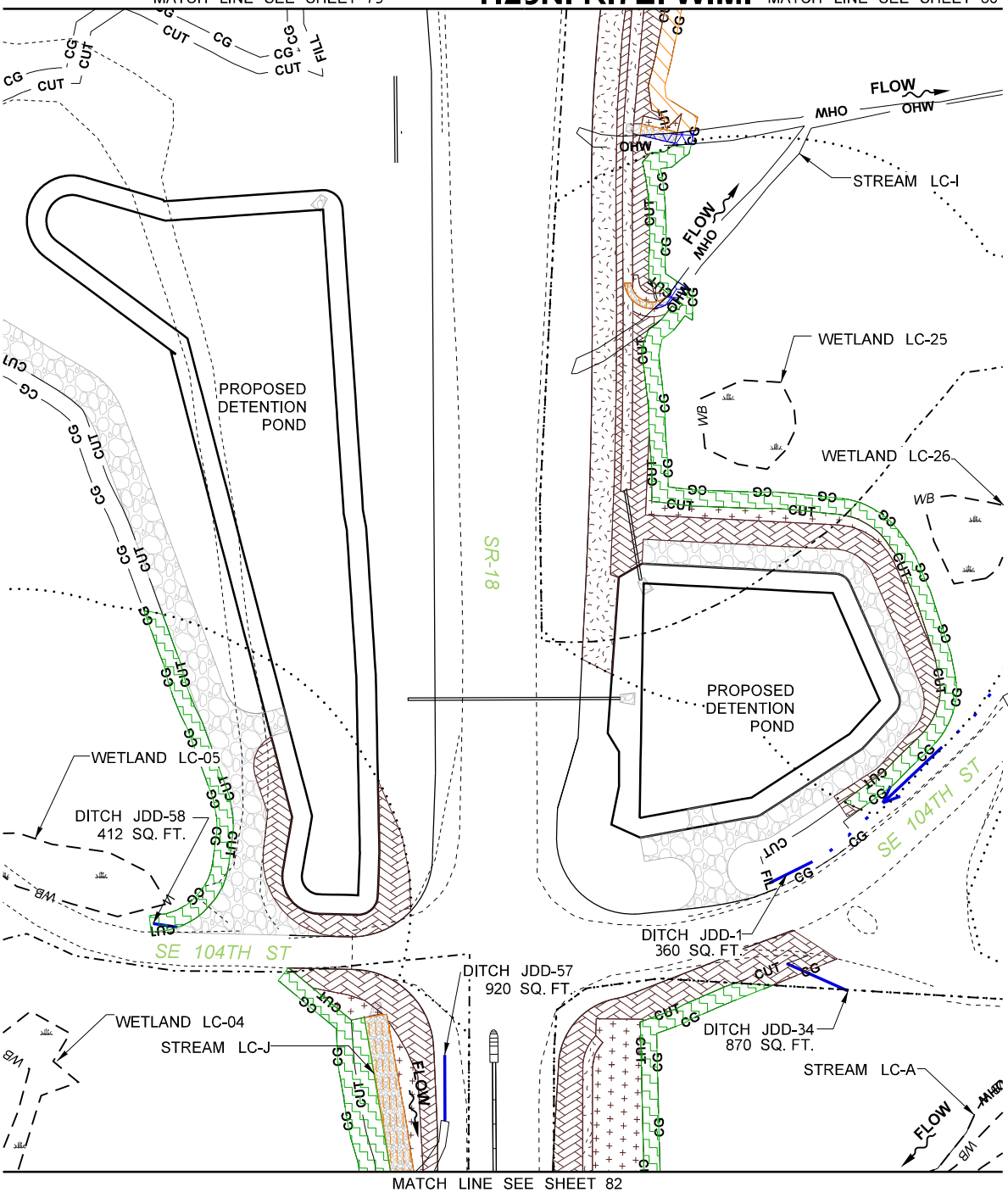
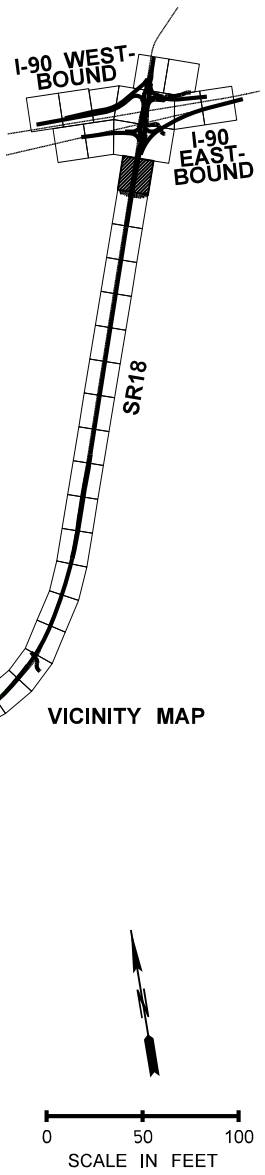
RESTORATION SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 80 OF 132





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PROJECT DATA	
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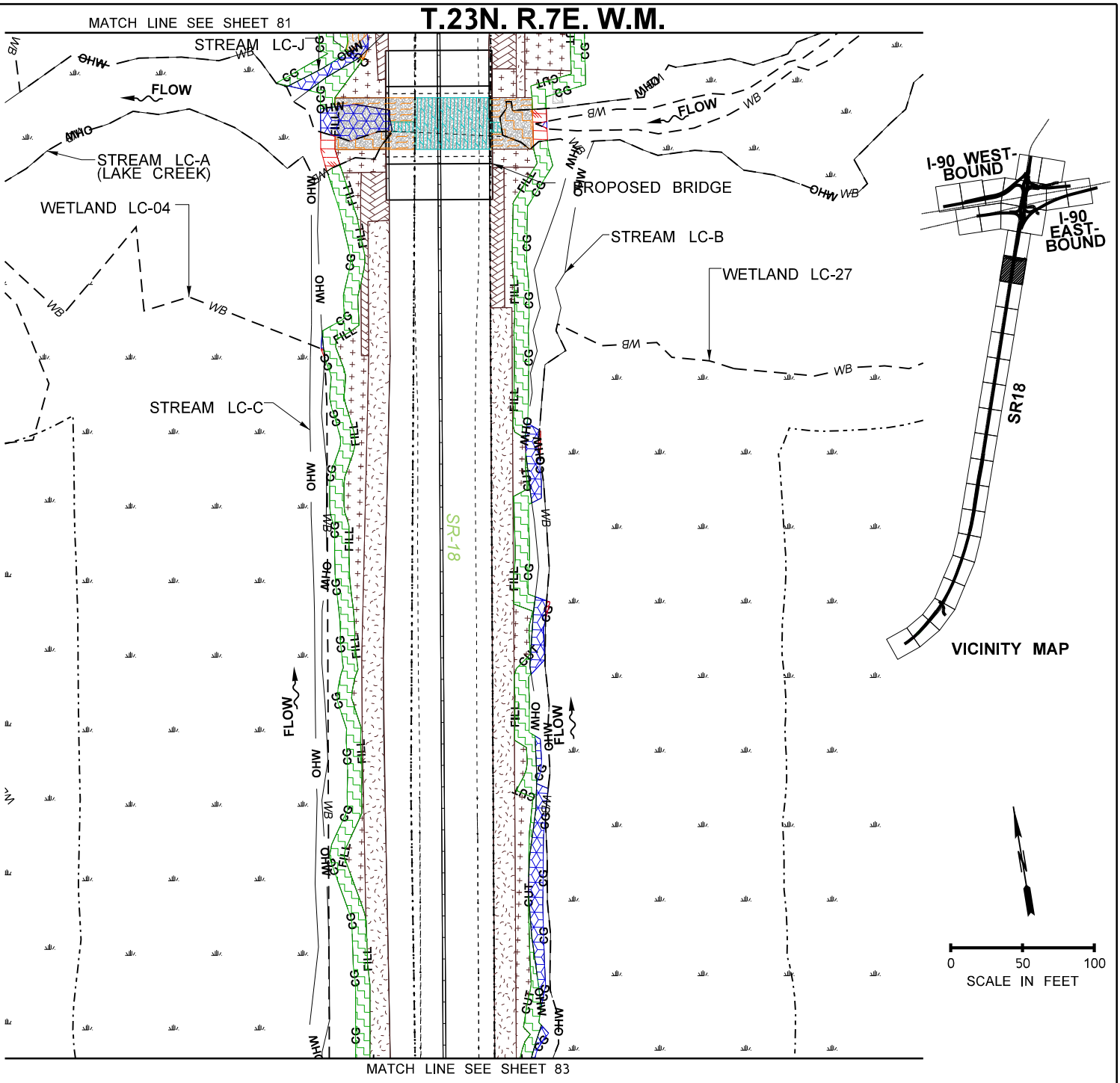
RESTORATION SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 81 OF 132



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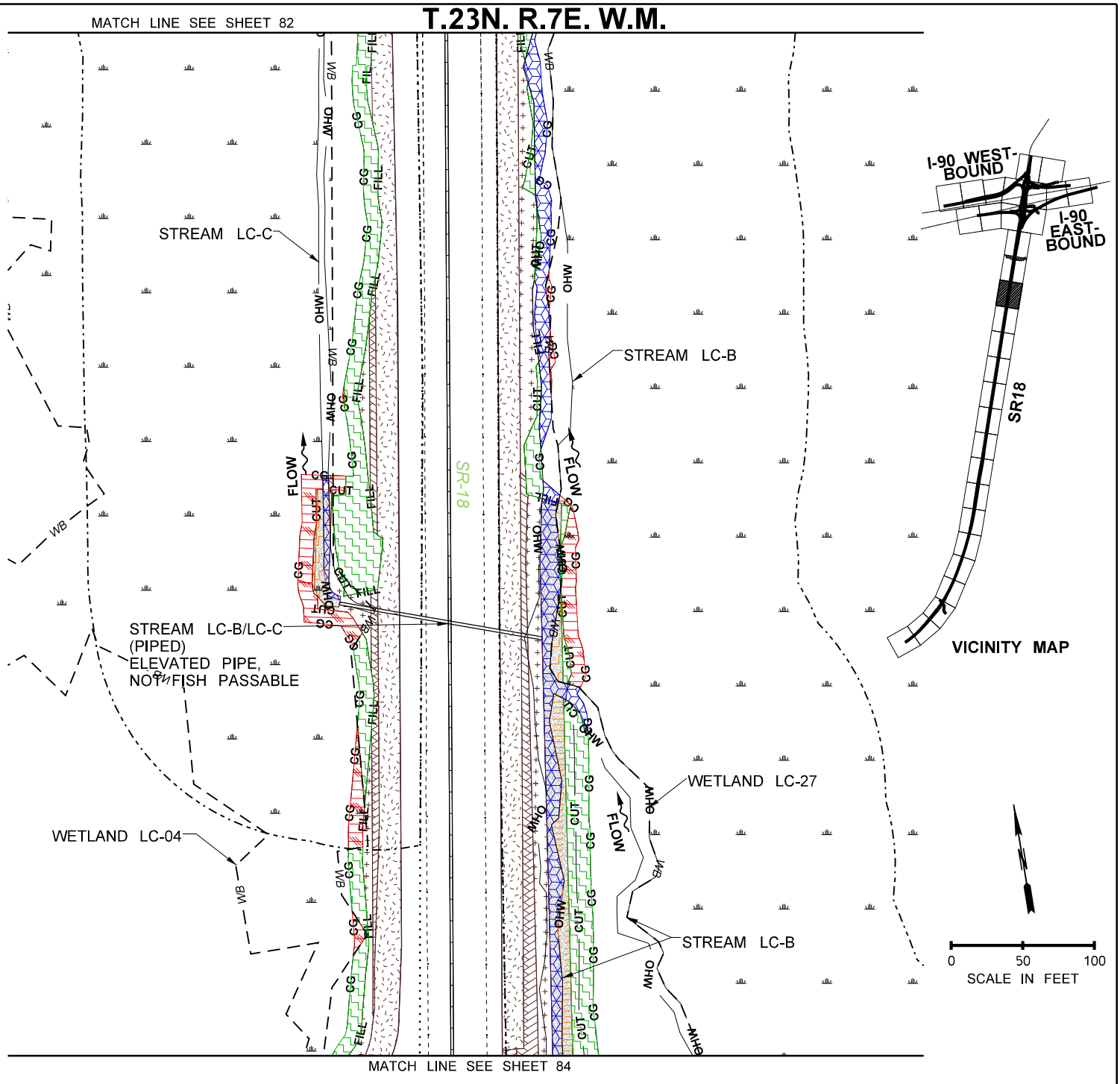
Washington State Department of Transportation

SHEET: 82 OF 132



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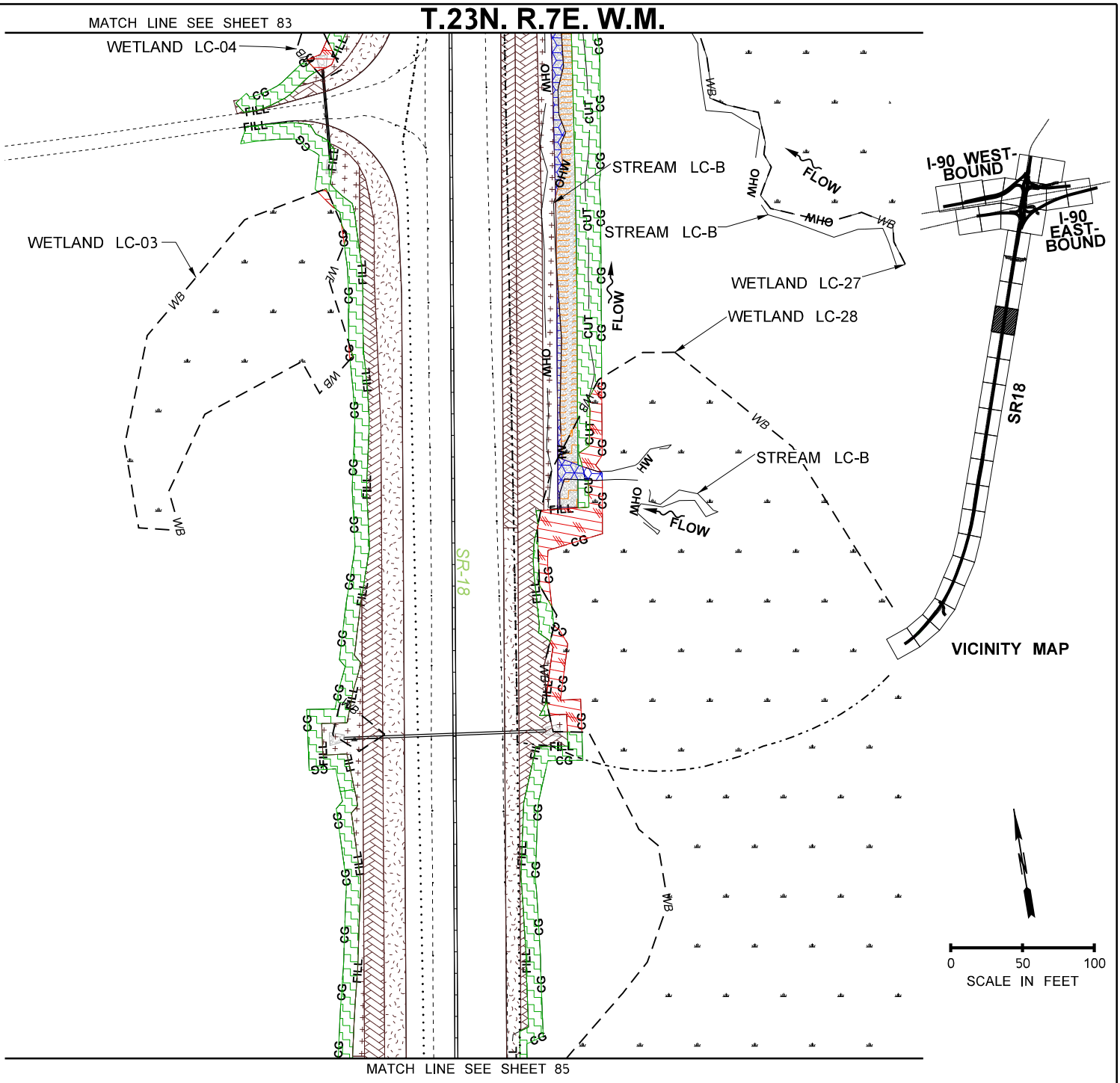

LEGEND

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GENERAL NOTE:
1. IMPACTS TO STREAM LC-B DUE TO ROADWAY PRISM EXPANSION TO ACCOMODATE FOR NEW STORMWATER TREATMENT FEATURES.

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

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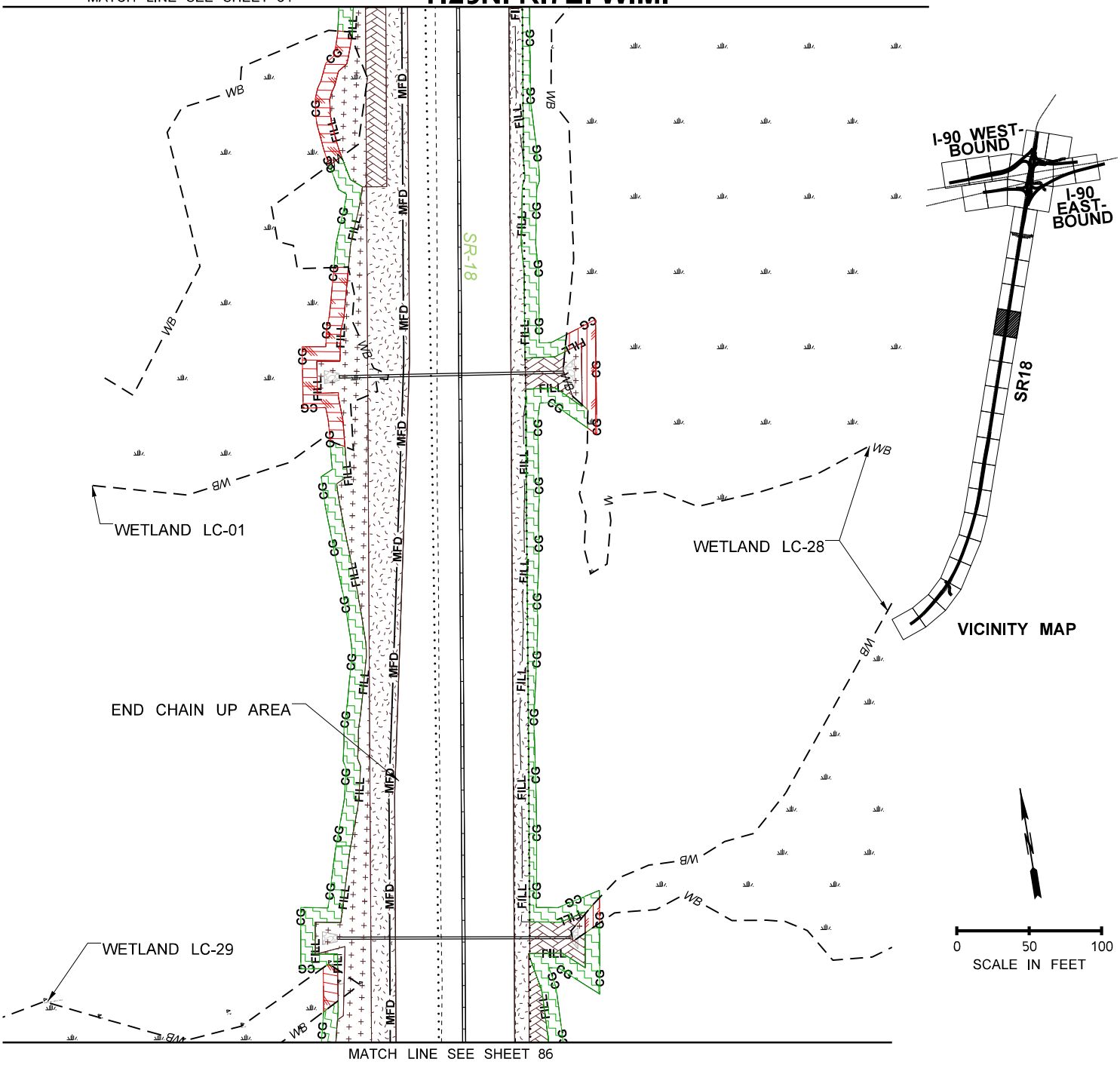
Washington State Department of Transportation

SHEET: 84 OF 132



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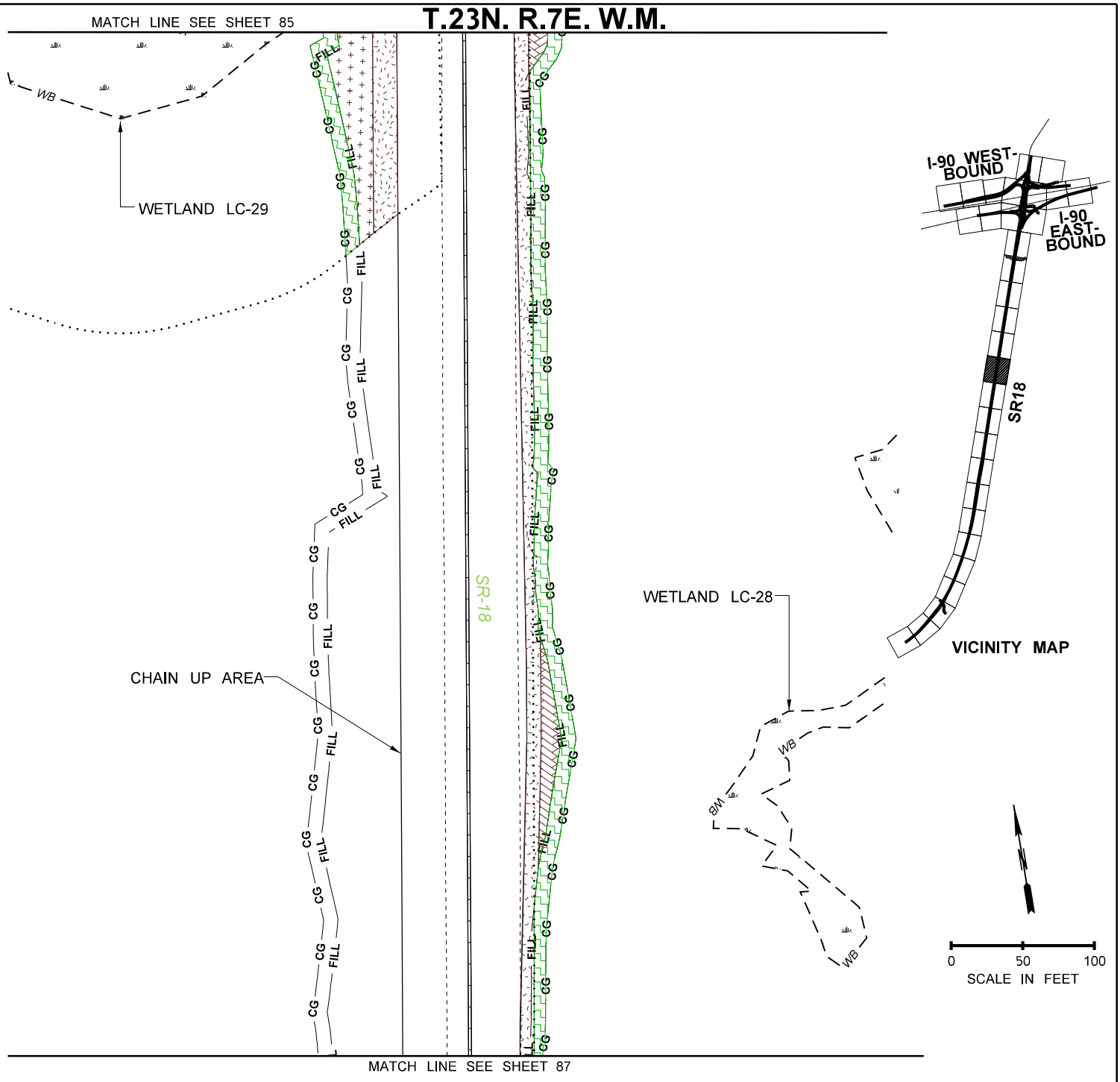
- JURISDICTIONAL DITCH
- WETLAND BUFFER
- STREAM BUFFER
- NON-BUFFER GRASS SEEDING

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W|S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
RESTORATION SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 85 OF 132



LEGEND

- STREAM RESTORATION
- STREAM BUFFER CREATION
- WETLAND TO BUFFER CONVERSION
- WETLAND TO STREAM CONVERSION
- STREAM BUFFER RESTORATION
- WETLAND RESTORATION
- STREAM TO BUFFER CONVERSION
- NON-BUFFER FORESTED
- STREAM CREATION
- WETLAND BUFFER RESTORATION
- BUFFER TO STREAM CONVERSION
- NON-BUFFER SHRUB
- WETLAND
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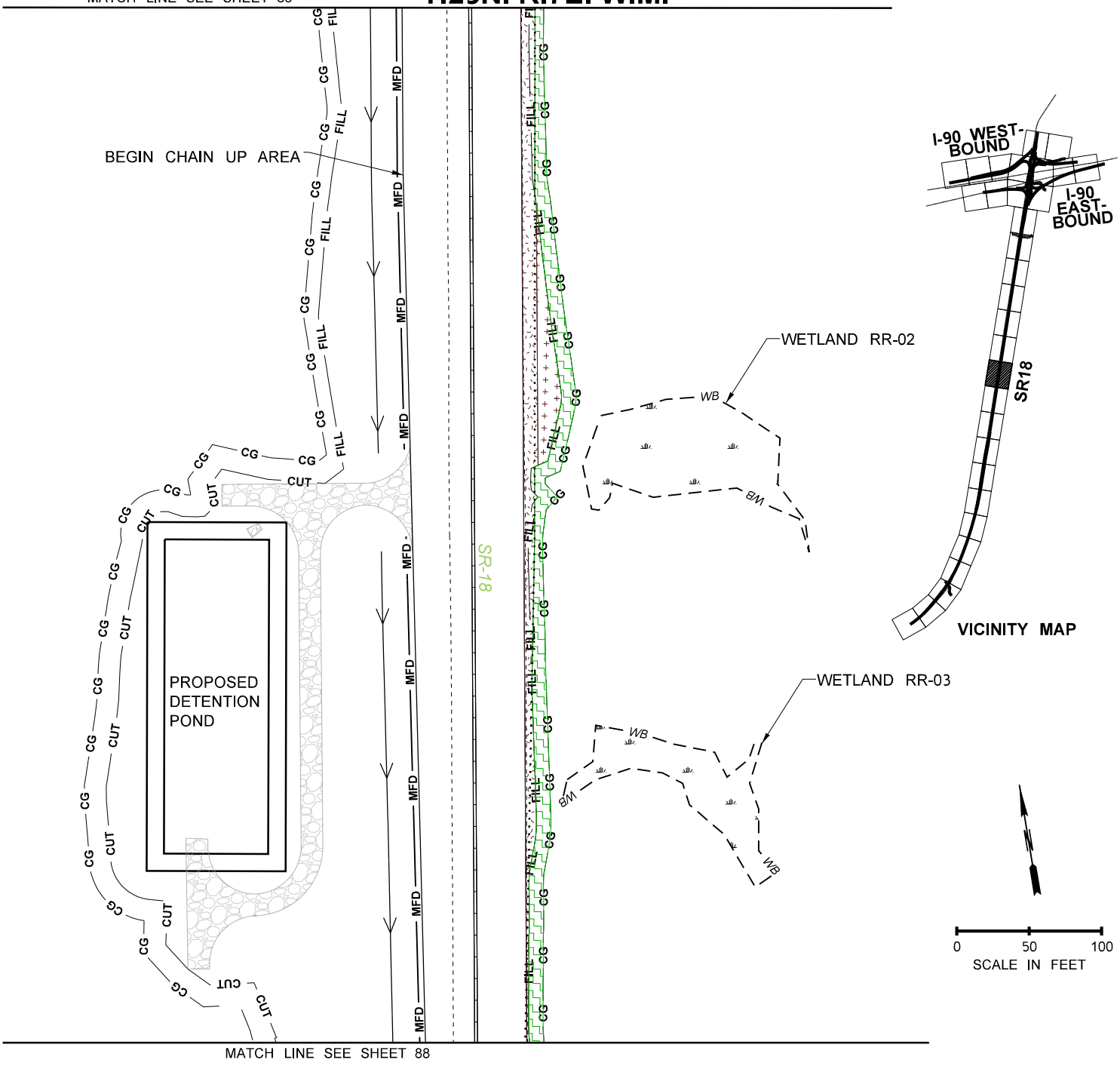
RESTORATION SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 86 OF 132

T.23N. R.7E. W.M.



LEGEND

- STREAM RESTORATION
- STREAM BUFFER CREATION
- WETLAND TO BUFFER CONVERSION
- WETLAND TO STREAM CONVERSION
- STREAM BUFFER RESTORATION
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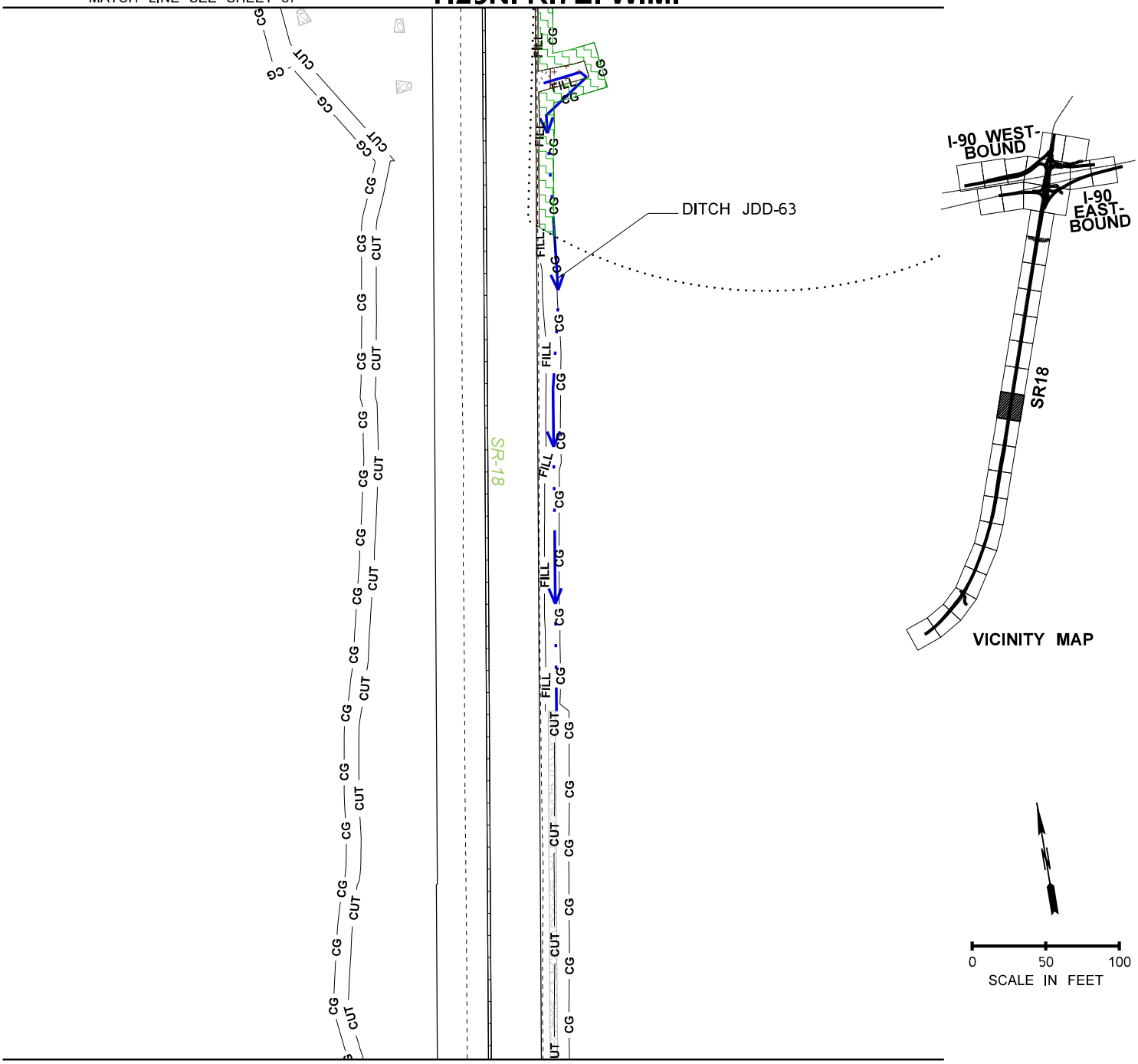
Washington State Department of Transportation

MATCH LINE SEE SHEET 87

T.23N. R.7E. W.M.



MATCH LINE SEE SHEET 89

LEGEND

- STREAM RESTORATION
- STREAM BUFFER CREATION
- WETLAND TO BUFFER CONVERSION
- WETLAND TO STREAM CONVERSION
- STREAM BUFFER RESTORATION
- WETLAND RESTORATION
- STREAM TO BUFFER CONVERSION
- NON-BUFFER FORESTED
- STREAM CREATION
- WETLAND BUFFER RESTORATION
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Washington State Department of Transportation

MATCH LINE SEE SHEET 88

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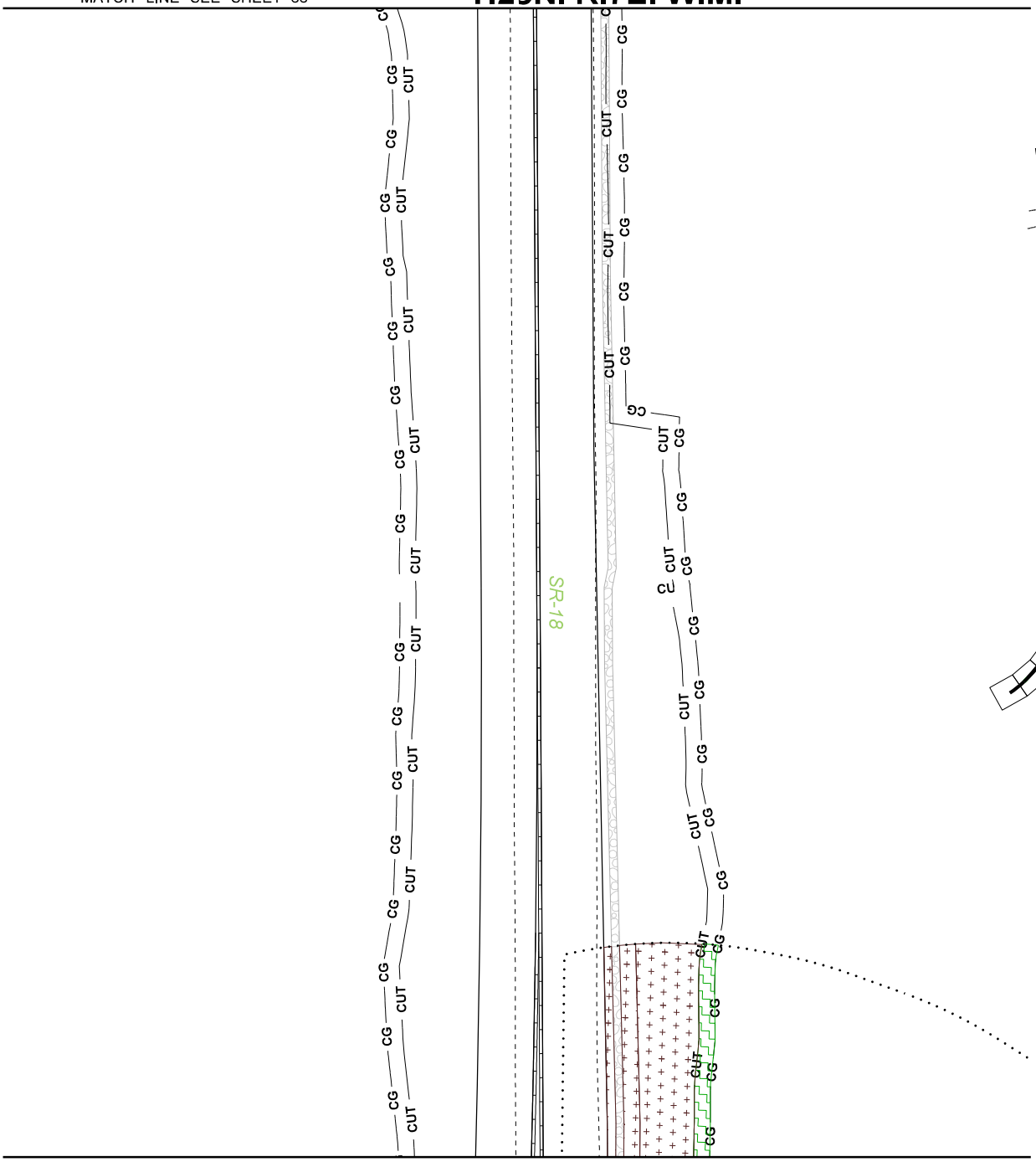
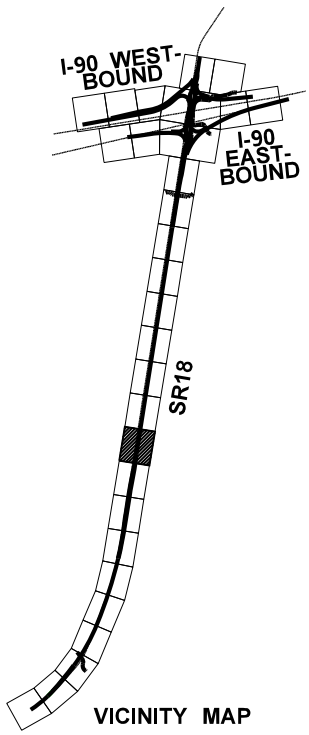


MATCH LINE SEE SHEET 90



VICINITY MAP

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SCALE IN FEET

LEGEND

- STREAM RESTORATION
- STREAM BUFFER CREATION
- WETLAND TO BUFFER CONVERSION
- WETLAND TO STREAM CONVERSION
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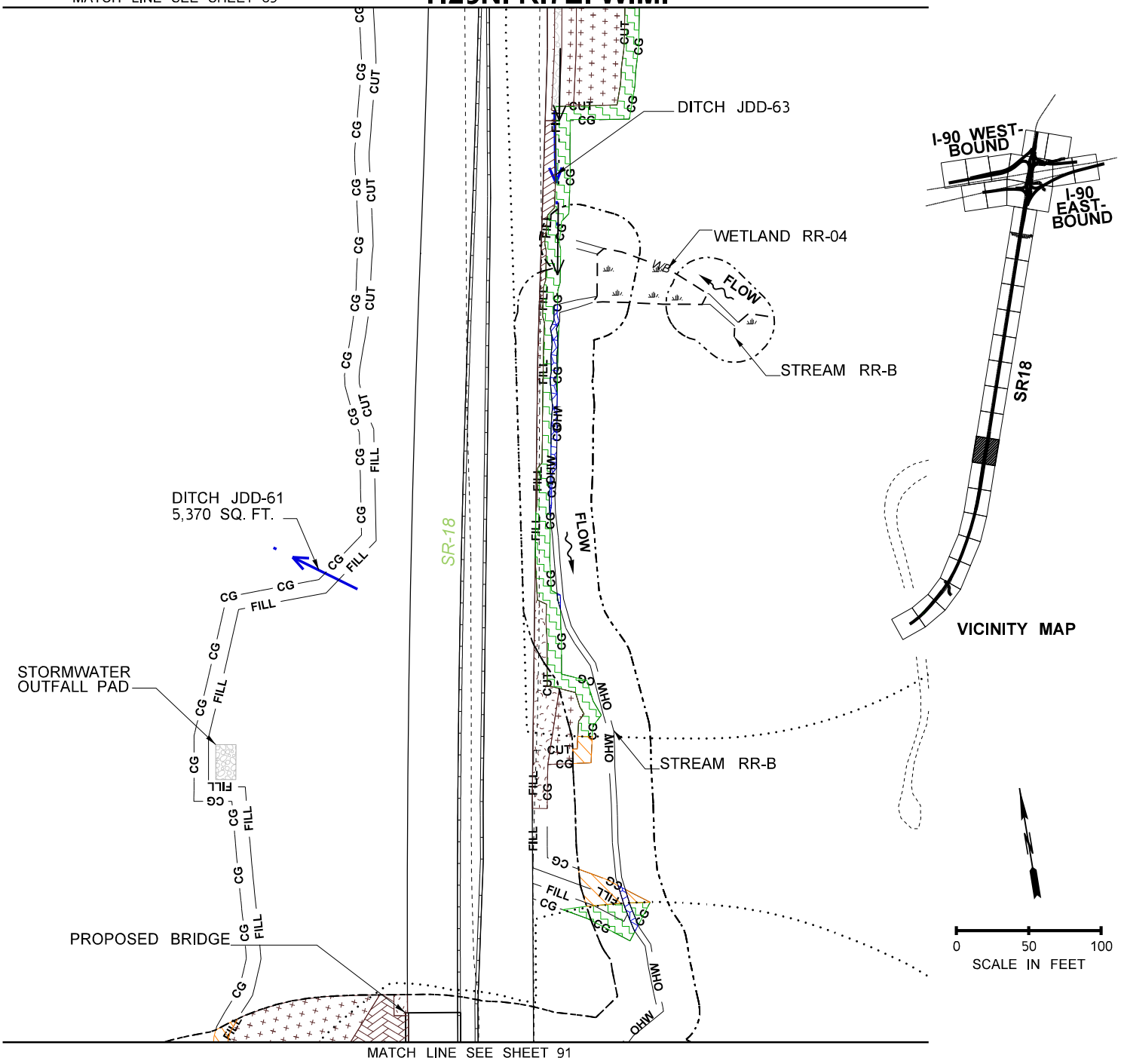

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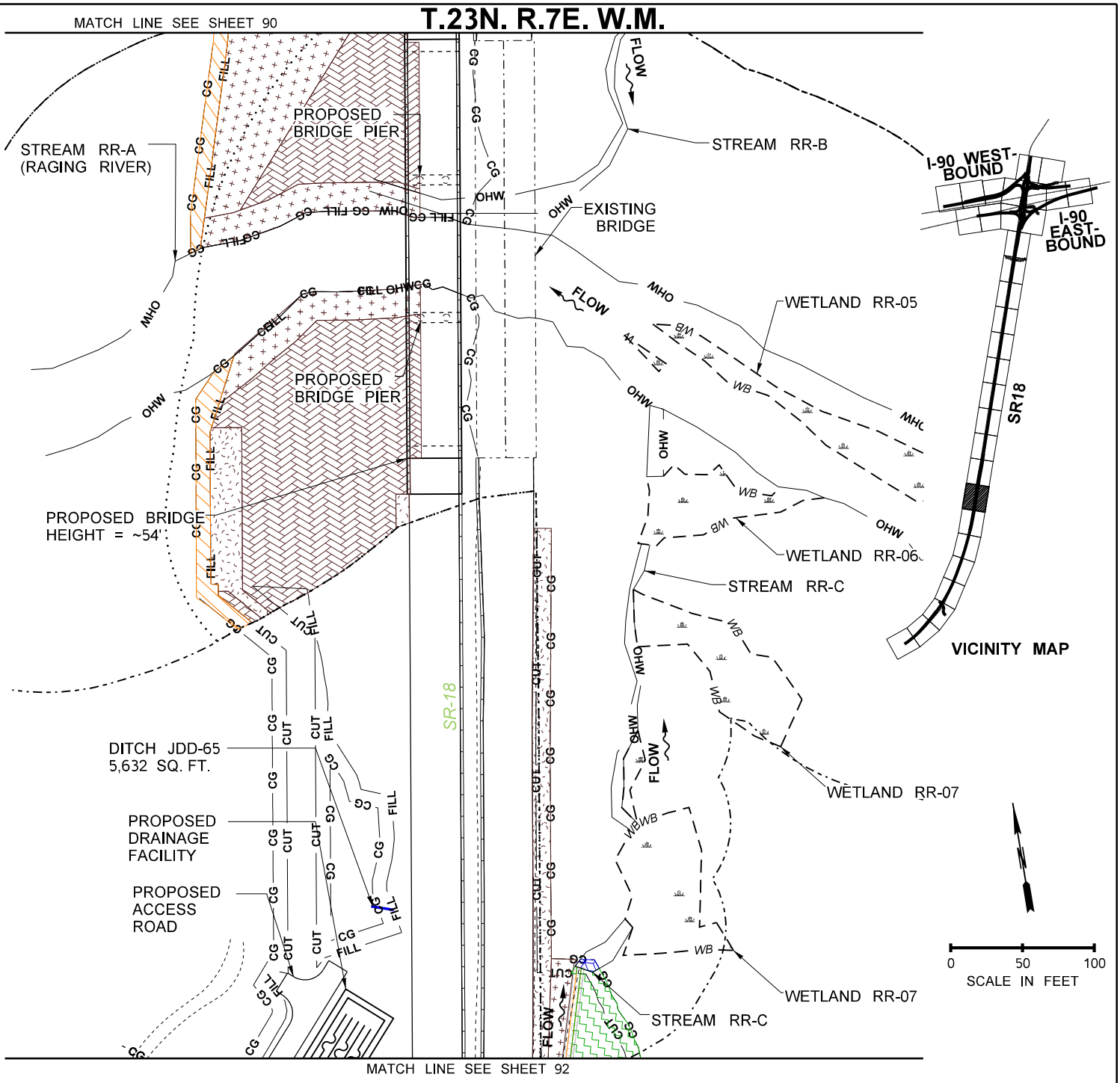

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GENERAL NOTES:

1. NO PERMANENT BRIDGE PIERS OR TEMPORARY WORK TRESTLES WILL BE PLACED BELOW THE OHWM.
2. NO INDIRECT IMPACTS DUE TO SHADING ARE ANTICIPATED DUE TO BRIDGE HEIGHT >50'

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

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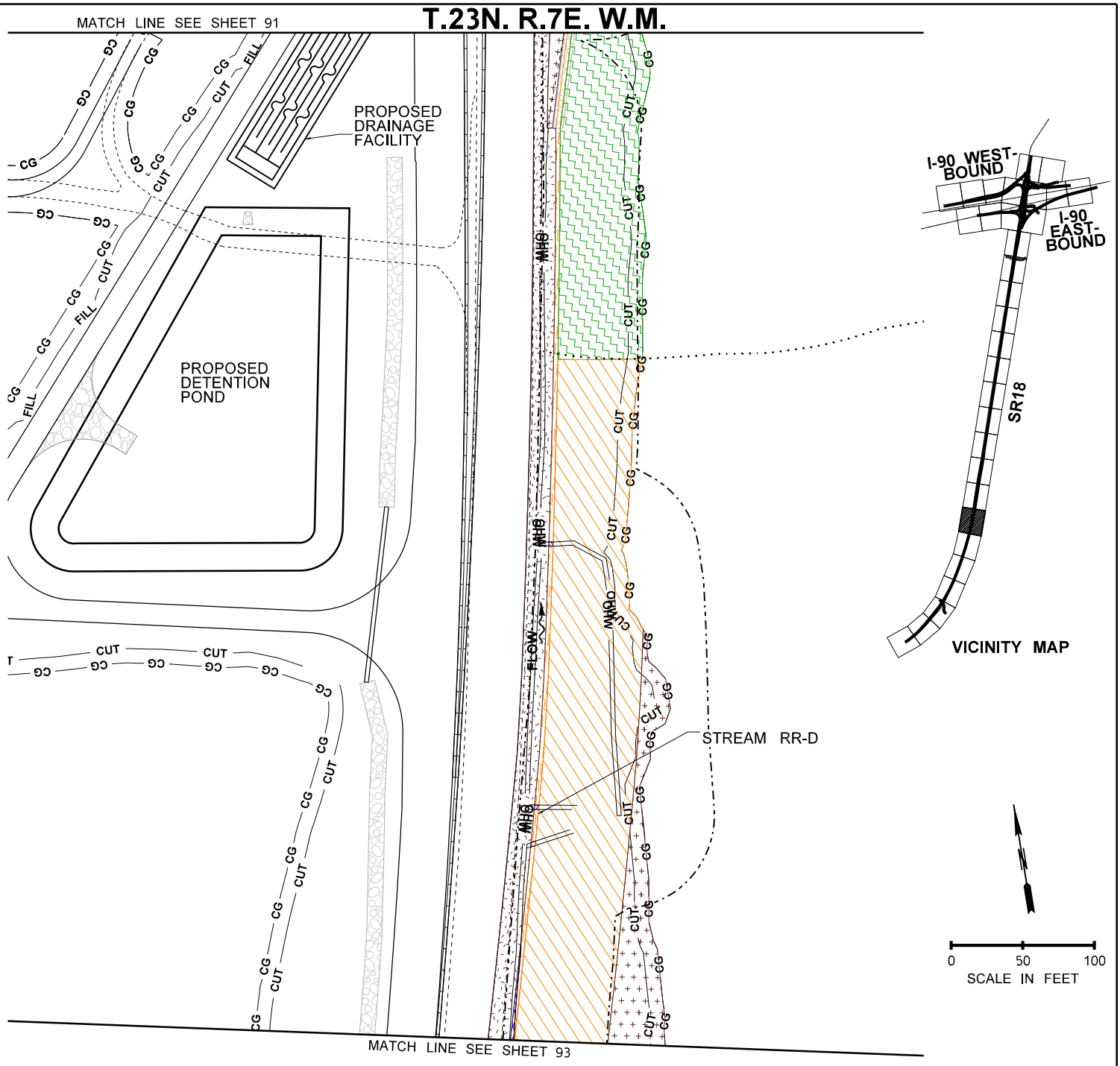

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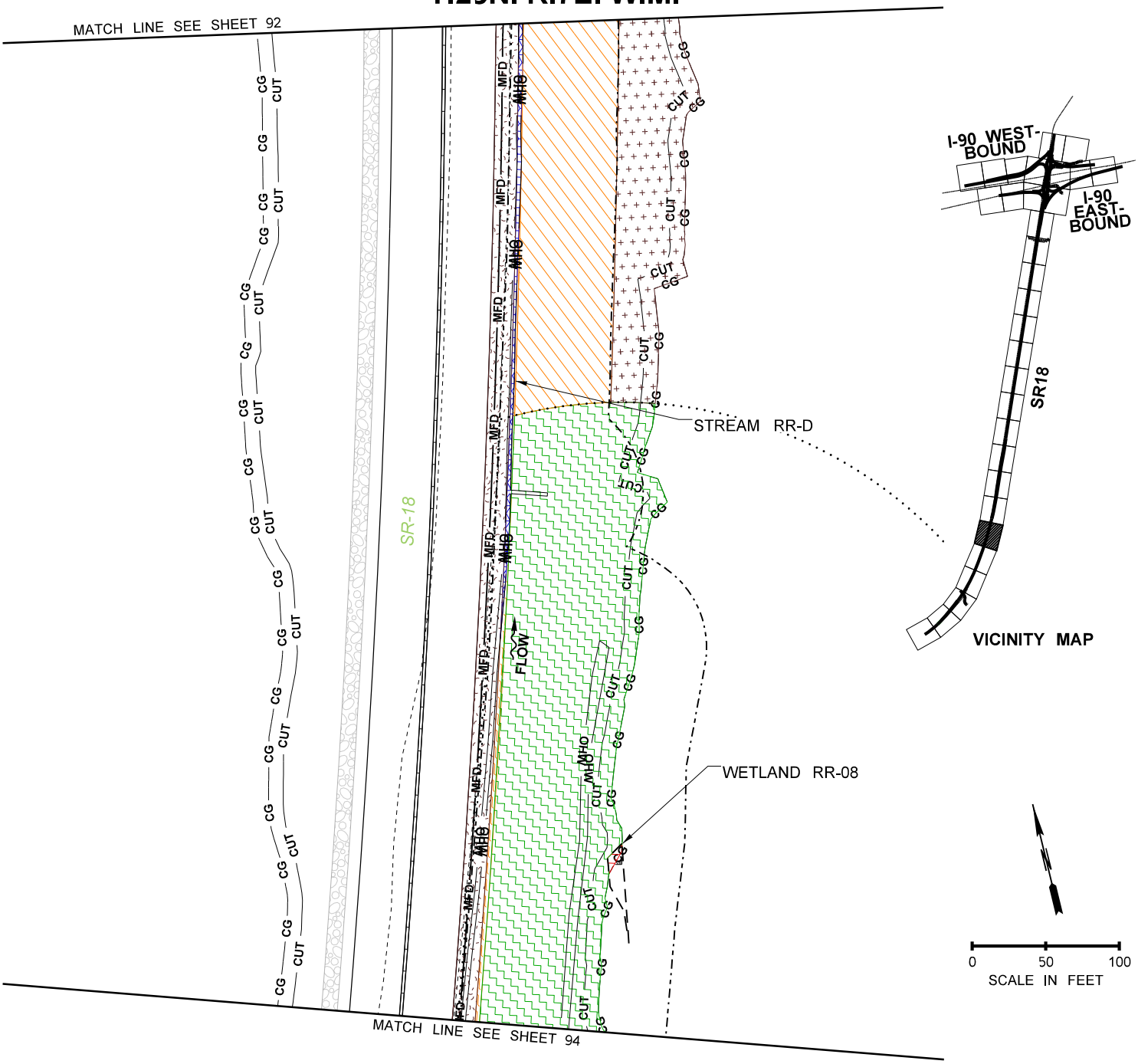

LEGEND

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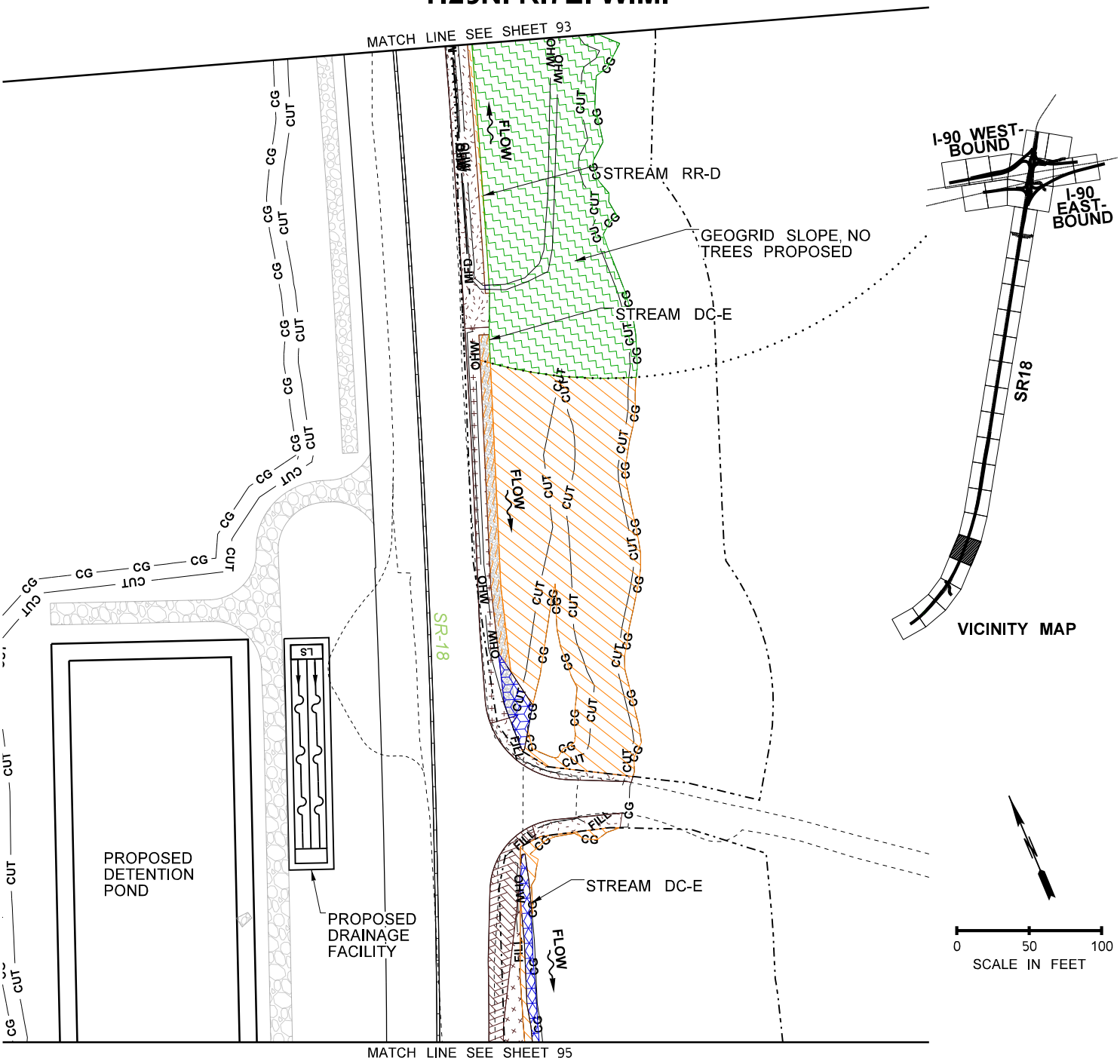

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Washington State Department of Transportation

SHEET: 94 OF 132

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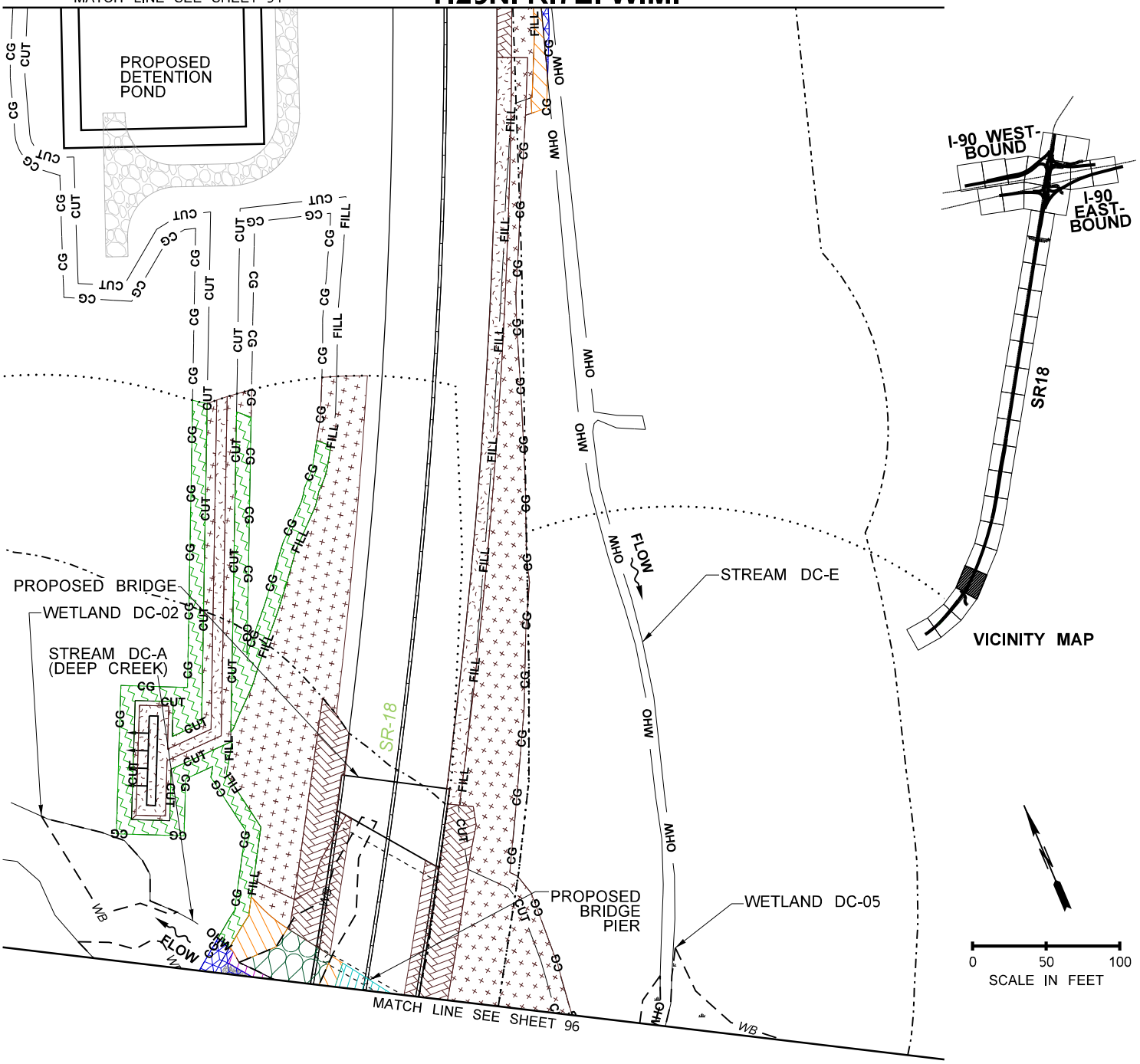

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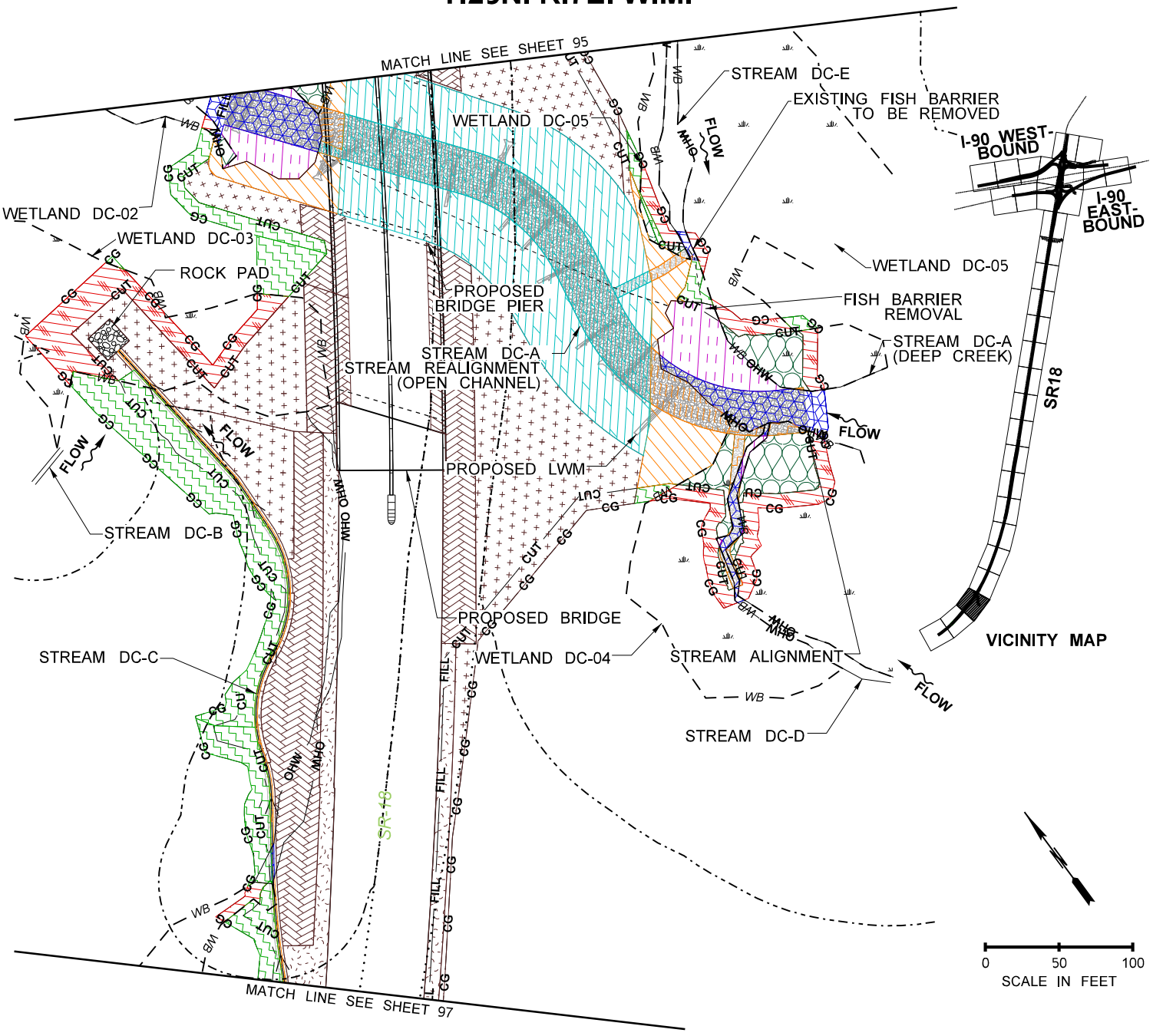

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GENERAL NOTE:

1. LOCATION AND ORIENTATION OF LARGE WOODY MATERIAL (LWM) STRUCTURES AS SHOWN ON SHEET ARE APPROXIMATE AND WILL BE STAKED IN THE FIELD BY THE ENGINEER.

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

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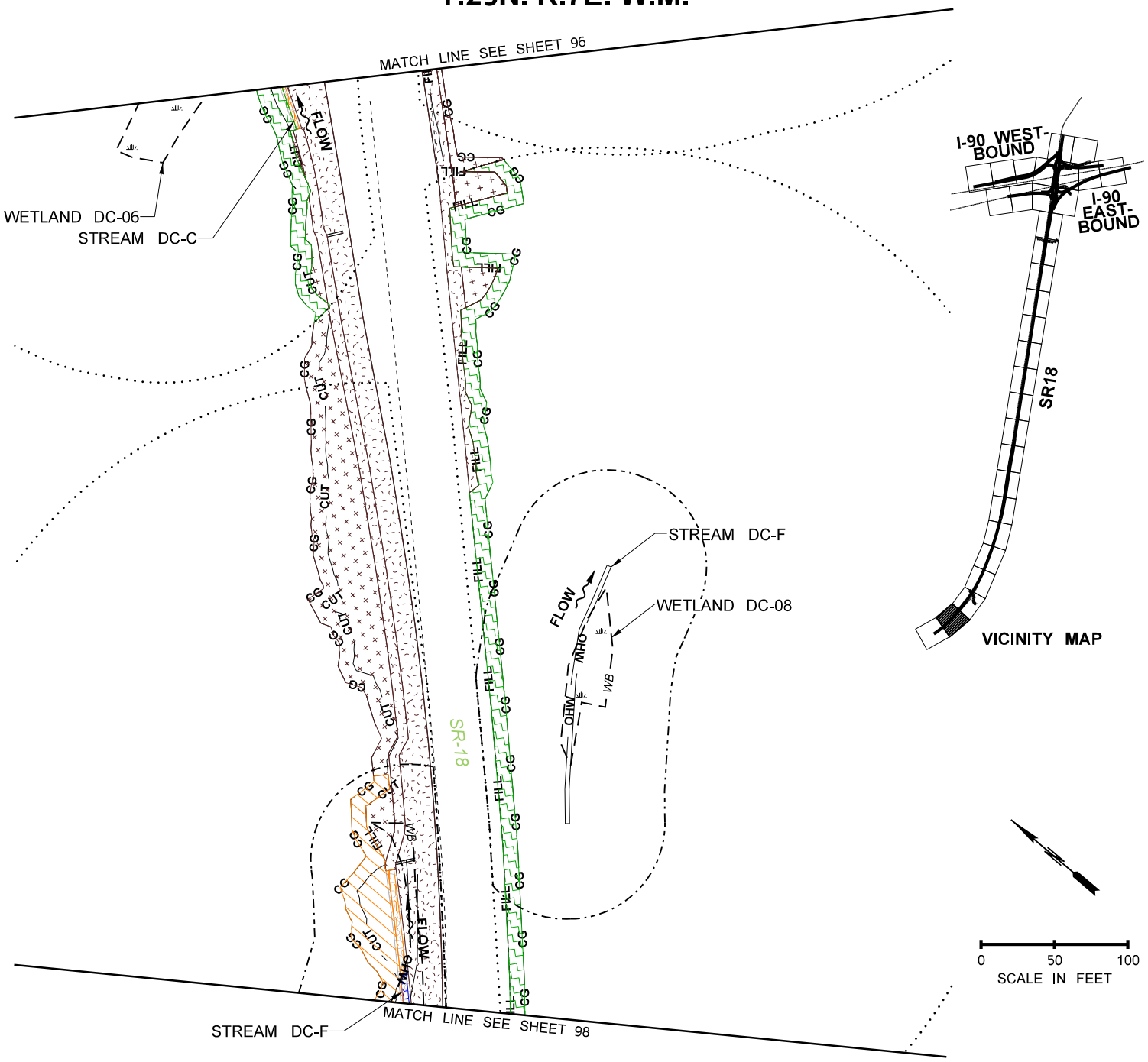

LEGEND

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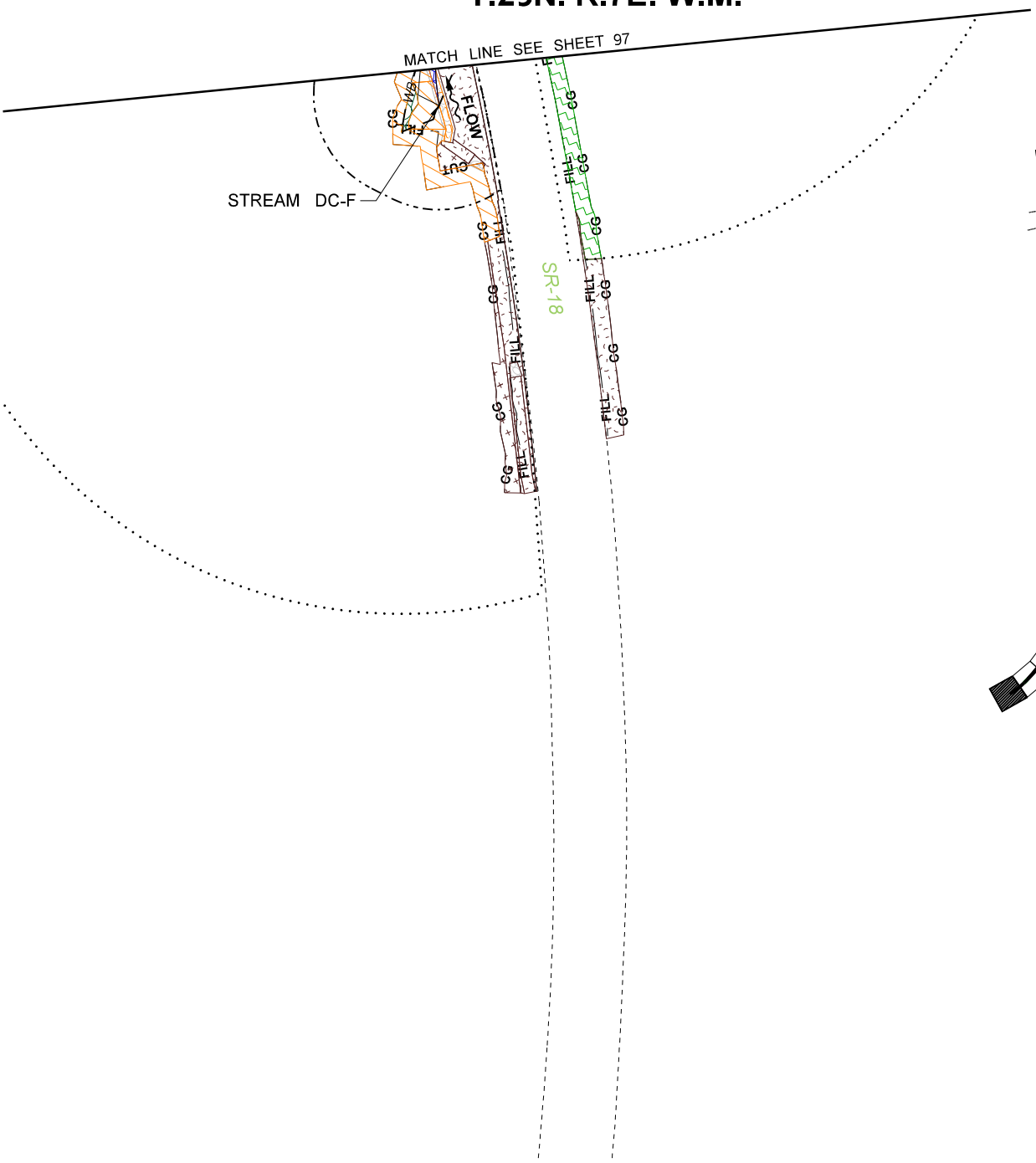

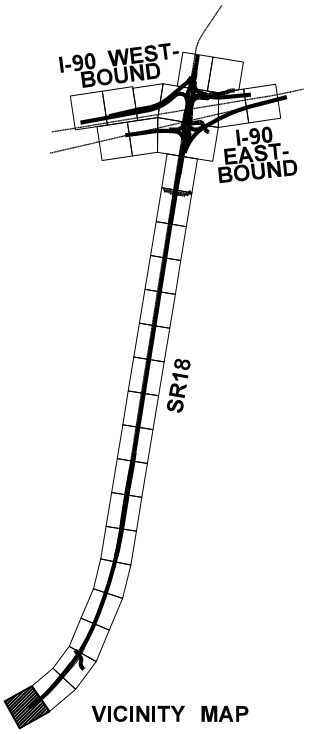

VICINITY MAP

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SCALE IN FEET

LEGEND

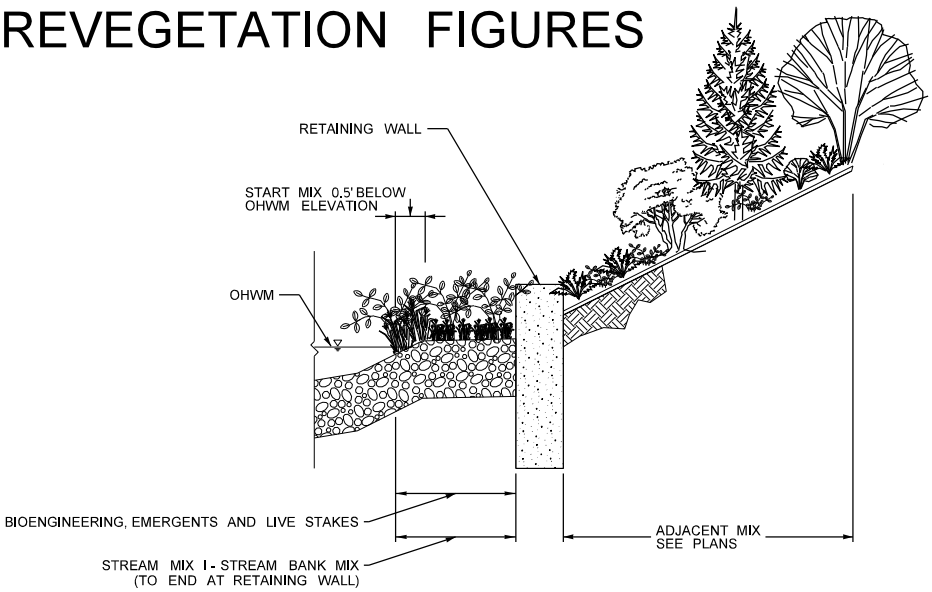
- STREAM RESTORATION
- STREAM BUFFER CREATION
- WETLAND TO BUFFER CONVERSION
- WETLAND TO STREAM CONVERSION
- STREAM BUFFER RESTORATION
- WETLAND RESTORATION
- STREAM TO BUFFER CONVERSION
- NON-BUFFER FORESTED
- STREAM CREATION
- WETLAND BUFFER RESTORATION
- BUFFER TO STREAM CONVERSION
- NON-BUFFER SHRUB
- WETLAND
- STREAM BED MATERIAL
- RIPRAP MATERIAL
- PROPOSED CULVERT
- PROPOSED EOP
- EXISTING EOP
- EXISTING CULVERT
- OHWM
- JURISDICTIONAL DITCH
- WETLAND BUFFER
- STREAM BUFFER
- NON-BUFFER GRASS SEEDING

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS-2019-115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W|S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
RESTORATION SHEETS	DATE: JANUARY 20, 2022

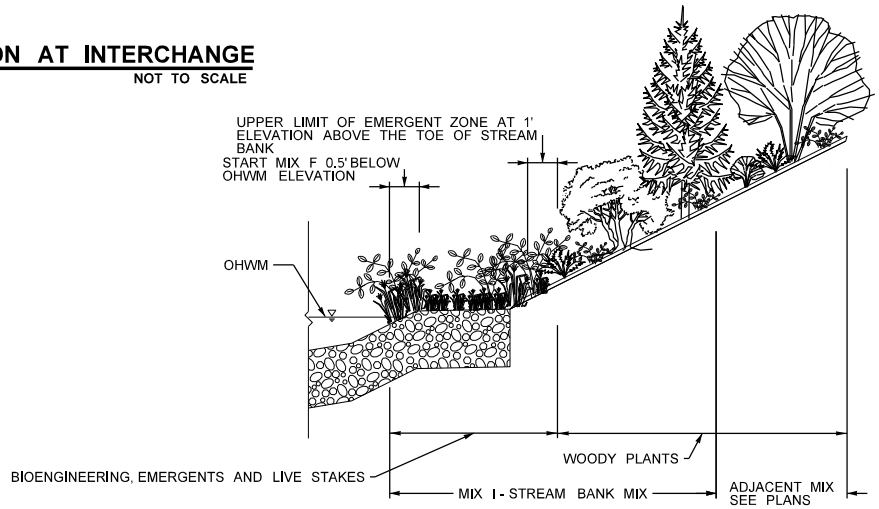
Washington State Department of Transportation

REVEGETATION FIGURES



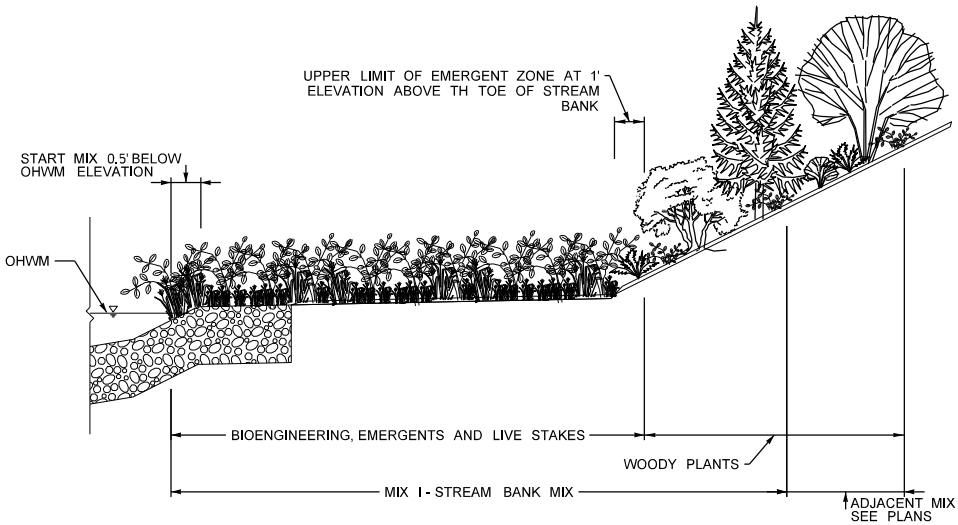
TYPICAL LC-G STREAM SECTION AT INTERCHANGE

SECTION NOT TO SCALE



TYPICAL LC-B STREAM SECTION

SECTION NOT TO SCALE



0 50 100

SCALE IN FEET

TYPICAL DEEP CREEK STREAM SECTION

SECTION NOT TO SCALE

PROJECT DATA	
FISH WINDOW	JUL 15– SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W|S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
REVEGETATION DETAILS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 99 OF: 132

MIX A- LOW GROWING WETLAND MIX	
COMMON NAME	SPACING
EMERGENTS	
DAGGERLEAF RUSH	1 FT. O.C.
SLOUGH SEDGE	1 FT. O.C.
SMALL-FRUITED BULRUSH	1 FT. O.C.

MIX B- SHRUB WETLAND MIX	
COMMON NAME	SPACING
SHRUBS	
CLUSTERED ROSE	4 FT. O.C.
PACIFIC NINEBARK	4 FT. O.C.
RED TWIG DOGWOOD	4 FT. O.C.
SALMONBERRY	4 FT. O.C.
SITKA WILLOW	4 FT. O.C.
BLACK TWINBERRY	4 FT. O.C.
EMERGENTS	
DAGGERLEAF RUSH	1 FT. O.C.
SLOUGH SEDGE	1 FT. O.C.
SMALL-FRUITED BULRUSH	1 FT. O.C.

MIX C- TREE AND SHRUB WETLAND MIX	
COMMON NAME	SPACING
TREES	
BLACK HAWTHORN	8 FT. O.C.
PACIFIC WILLOW	12 FT. O.C.
SITKA SPRUCE	12 FT. O.C.
SHRUBS	
CLUSTERED ROSE	4 FT. O.C.
PACIFIC NINEBARK	4 FT. O.C.
RED TWIG DOGWOOD	4 FT. O.C.
SALMONBERRY	4 FT. O.C.
SITKA WILLOW	4 FT. O.C.
BLACK TWINBERRY	4 FT. O.C.
EMERGENTS	
DAGGERLEAF RUSH	1 FT. O.C.
SLOUGH SEDGE	1 FT. O.C.
SMALL-FRUITED BULRUSH	1 FT. O.C.

MIX D- LOW GROWING SHRUB BUFFER MIX	
COMMON NAME	SPACING
LOW SHRUBS/FERNS	
BALDHIP ROSE	2 FT. O.C.
SNOWBERRY	2 FT. O.C.
WESTERN SWORDFERN	2 FT. O.C.

MIX E- SHRUB BUFFER MIX	
COMMON NAME	SPACING
SHRUBS	
BEAKED HAZELNUT	4 FT. O.C.
RED-FLOWERING CURRANT	4 FT. O.C.
OCEANSPRAY	4 FT. O.C.
TALL OREGON-GRAPE	4 FT. O.C.
THIMBLEBERRY	4 FT. O.C.
VINE MAPLE	4 FT. O.C.
LOW SHRUBS/FERNS	
BALDHIP ROSE	4 FT. O.C.
SNOWBERRY	4 FT. O.C.
WESTERN SWORDFERN	4 FT. O.C. 3 PER SPOT

NOTES

1. WESTERN HEMLOCK AND WESTERN SWORDFERN TO BE FIELD LOCATED IN SHADED LOCATIONS ONLY.
2. PLANT MIXES CONTAINING TREES SHALL HAVE 100% COVERAGE BY TREES WITHIN THE PLANTING AREAS AT THE SPACING INDICATED.

PROJECT DATA	
FISH WINDOW	JUL 15– SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
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ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
REVEGETATION DETAILS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 100 OF: 132

MIX F- TREE AND SHRUB BUFFER MIX	
COMMON NAME	SPACING
TREES	
BIGLEAF MAPLE*	12 FT. O.C.
DOUGLAS-FIR	12 FT. O.C.
CASCARA	8 FT. O.C.
GRAND FIR	12 FT. O.C.
WESTERN REDCEDAR	12 FT. O.C.
SHRUBS	
BEAKED HAZELNUT	4 FT. O.C.
RED-FLOWERING CURRANT	4 FT. O.C.
OCEANSPRAY	4 FT. O.C.
TALL OREGON-GRAPE	4 FT. O.C.
THIMBLEBERRY	4 FT. O.C.
VINE MAPLE	4 FT. O.C.
LOW SHRUBS/FERNS	
BALDHIP ROSE	4 FT. O.C.
SNOWBERRY	4 FT. O.C.
WESTERN SWORDFERN	4 FT. O.C. 3 PER SPOT

*PLANT A MINIMUM OF 75 FT. FROM ROADWAY EDGE.

MIX G- TREE AND SHRUB WET BUFFER MIX	
COMMON NAME	SPACING
TREES	
BIGLEAF MAPLE*	12 FT. O.C.
CASCARA	8 FT. O.C.
GRAND FIR	12 FT. O.C.
WESTERN HEMLOCK	12 FT. O.C.
WESTERN REDCEDAR	12 FT. O.C.
SHRUBS	
BEAKED HAZELNUT	4 FT. O.C.
INDIAN PLUM	4 FT. O.C.
TALL OREGON-GRAPE	4 FT. O.C.
THIMBLEBERRY	4 FT. O.C.
VINE MAPLE	4 FT. O.C.
LOW SHRUBS/FERNS	
BALDHIP ROSE	4 FT. O.C.
SNOWBERRY	4 FT. O.C.
WESTERN SWORDFERN	4 FT. O.C. 3 PER SPOT

*PLANT A MINIMUM OF 75 FT. FROM ROADWAY EDGE.

MIX H- SHRUB WET BUFFER MIX	
COMMON NAME	SPACING
SHRUBS	
BEAKED HAZELNUT	4 FT. O.C.
INDIAN PLUM	4 FT. O.C.
TALL OREGON-GRAPE	4 FT. O.C.
THIMBLEBERRY	4 FT. O.C.
VINE MAPLE	4 FT. O.C.
LOW SHRUBS/FERNS	
BALDHIP ROSE	4 FT. O.C.
SNOWBERRY	4 FT. O.C.
WESTERN SWORDFERN	4 FT. O.C. 3 PER SPOT

MIX I- STREAM BANK MIX	
COMMON NAME	SPACING
TREES	
PACIFIC WILLOW	8 FT. O.C.
WESTERN HEMLOCK	12 FT. O.C.
WESTERN REDCEDAR	12 FT. O.C.
SHRUBS	
DOUGLAS SPIREA	4 FT. O.C.
RED TWIG DOGWOOD	2 FT. O.C.
SALMONBERRY	4 FT. O.C.
SITKA WILLOW	2 FT. O.C.
EMERGENTS	
DAGGERLEAF RUSH	1 FT. O.C.
SLOUGH SEDGE	1 FT. O.C.
SMALL-FRUITED BULRUSH	1 FT. O.C.

NOTES

1. WESTERN HEMLOCK AND WESTERN SWORDFERN TO BE FIELD LOCATED IN SHADED LOCATIONS ONLY.
2. PLANT MIXES CONTAINING TREES SHALL HAVE 100% COVERAGE BY TREES WITHIN THE PLANTING AREAS AT THE SPACING INDICATED.

PROJECT DATA	
FISH WINDOW	JUL 15– SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
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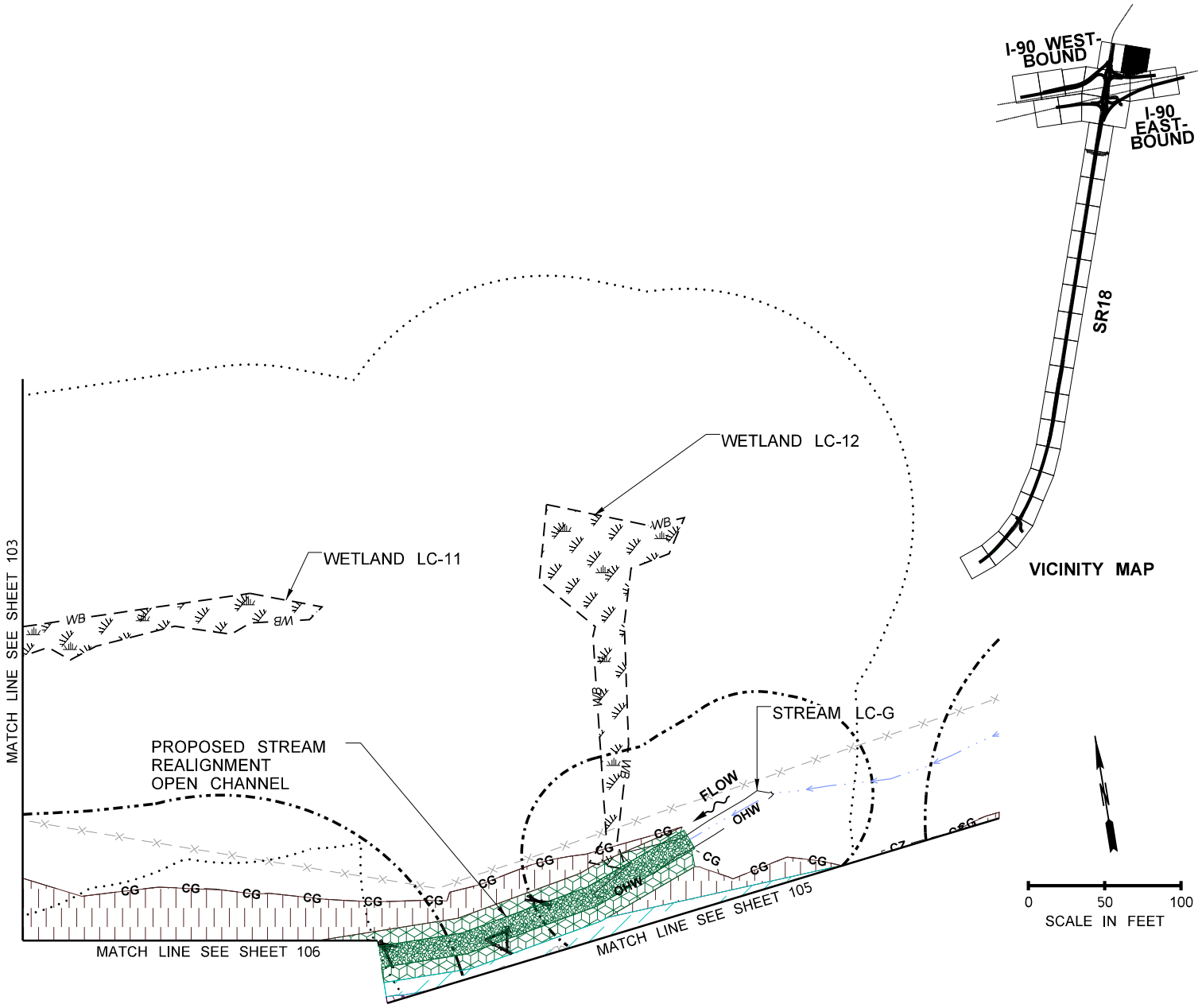
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
REVEGETATION DETAILS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 101 OF: 132

T.23N. R.7E. W.M.



LEGEND

- MIX A - LOW GROWING SHRUB MIX - WETLAND
- MIX B - SHRUB MIX - WETLAND
- MIX C - TREE AND SHRUB MIX - WETLAND
- MIX D - LOW GROWING SHRUB MIX - BUFFER
- MIX E - SHRUB MIX - BUFFER
- MIX F - TREE AND SHRUB MIX - BUFFER
- MIX G - TREE AND SHRUB MIX - WET BUFFER
- MIX H - SHRUB MIX - WET BUFFER
- MIX I - STREAM BANK MIX - SEE NOTE 2
- STREAM BED MATERIAL
- RIPRAP MATERIAL
- DAMP AREA SEED MIX
- WILDFLOWER SEED MIX
- WETLAND BUFFER
- STREAM BUFFER
- OHW — ORDINARY HIGH WATER
- MFD — MFE — MEDIA FILTER DRAIN LINE
- DITCH LINE
- CG — CLEARING AND GRUBBING LINE
- PROPOSED FENCE LINE
- CZ — CLEAR ZONE LINE
- EXISTING EDGE OF PAVEMENT
- WETLAND

NOTES

1. FOR PLANT MIX DEFINITIONS, SEE SHEET 100 AND 101.
2. THE LIMITS OF MIX I - STREAM BANK MIX IS SCHEMATIC. THE ACTUAL LIMITS WILL FOLLOW THE PROPOSED DITCH/STREAM EDGE. FOR TYPICAL PLAN LAYOUT ALONG THE STREAM EDGE, SEE STREAM CROSS SECTION DETAIL ON SHEET 99.

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
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REVEGETATION SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 102 OF: 132

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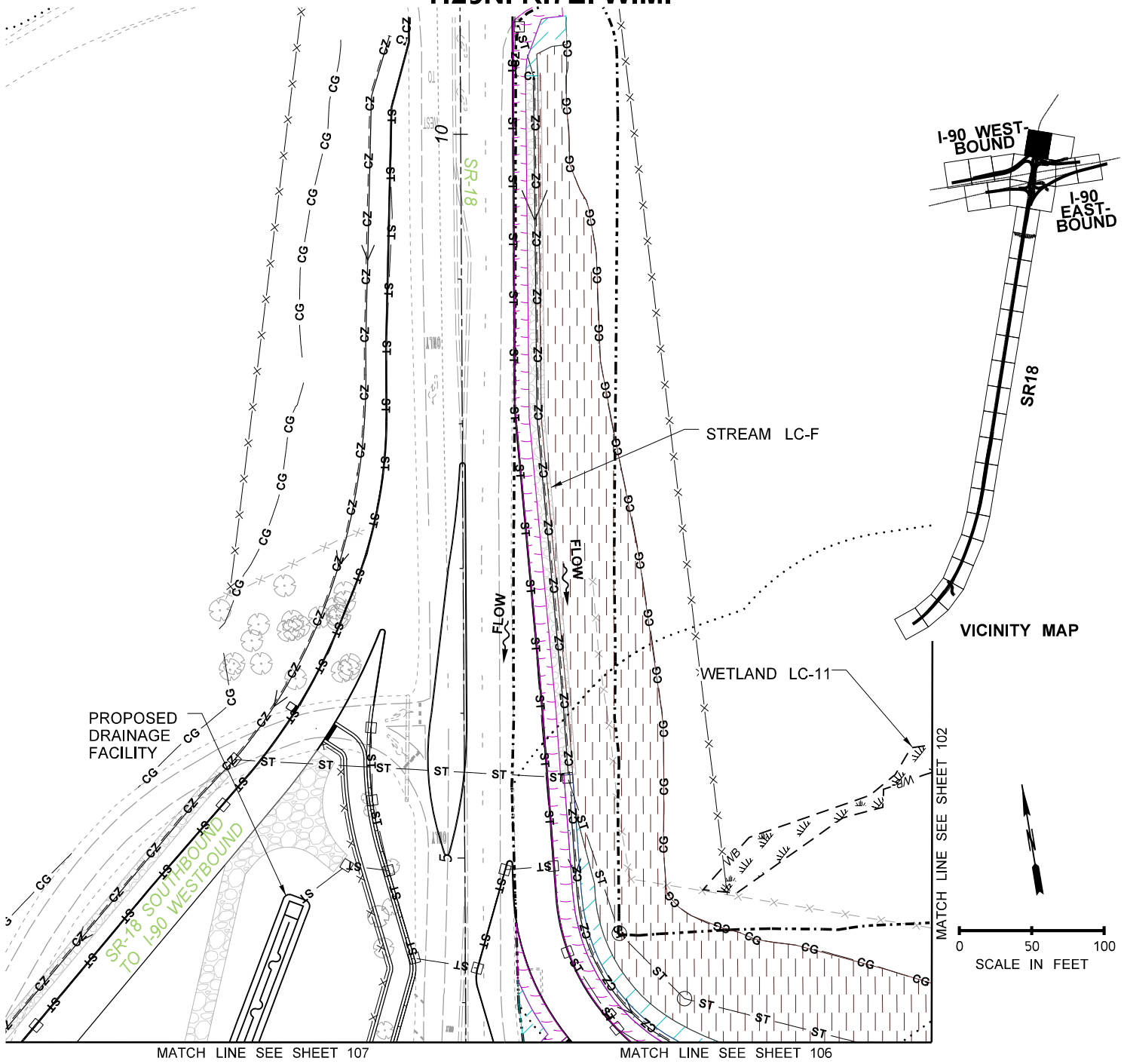

LEGEND

- MIX A - LOW GROWING SHRUB MIX - WETLAND
- MIX B - SHRUB MIX - WETLAND
- MIX C - TREE AND SHRUB MIX - WETLAND
- MIX D - LOW GROWING SHRUB MIX - BUFFER
- MIX E - SHRUB MIX - BUFFER
- MIX F - TREE AND SHRUB MIX - BUFFER
- MIX G - TREE AND SHRUB MIX - WET BUFFER
- MIX H - SHRUB MIX - WET BUFFER
- MIX I - STREAM BANK MIX - SEE NOTE 2
- STREAM BED MATERIAL
- RIPRAP MATERIAL
- DAMP AREA SEED MIX
- WILDFLOWER SEED MIX
- WETLAND BUFFER
- STREAM BUFFER
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- DITCH LINE
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- PROPOSED FENCE LINE
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NOTES

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PROJECT DATA	
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REVEGETATION SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 103 OF: 132

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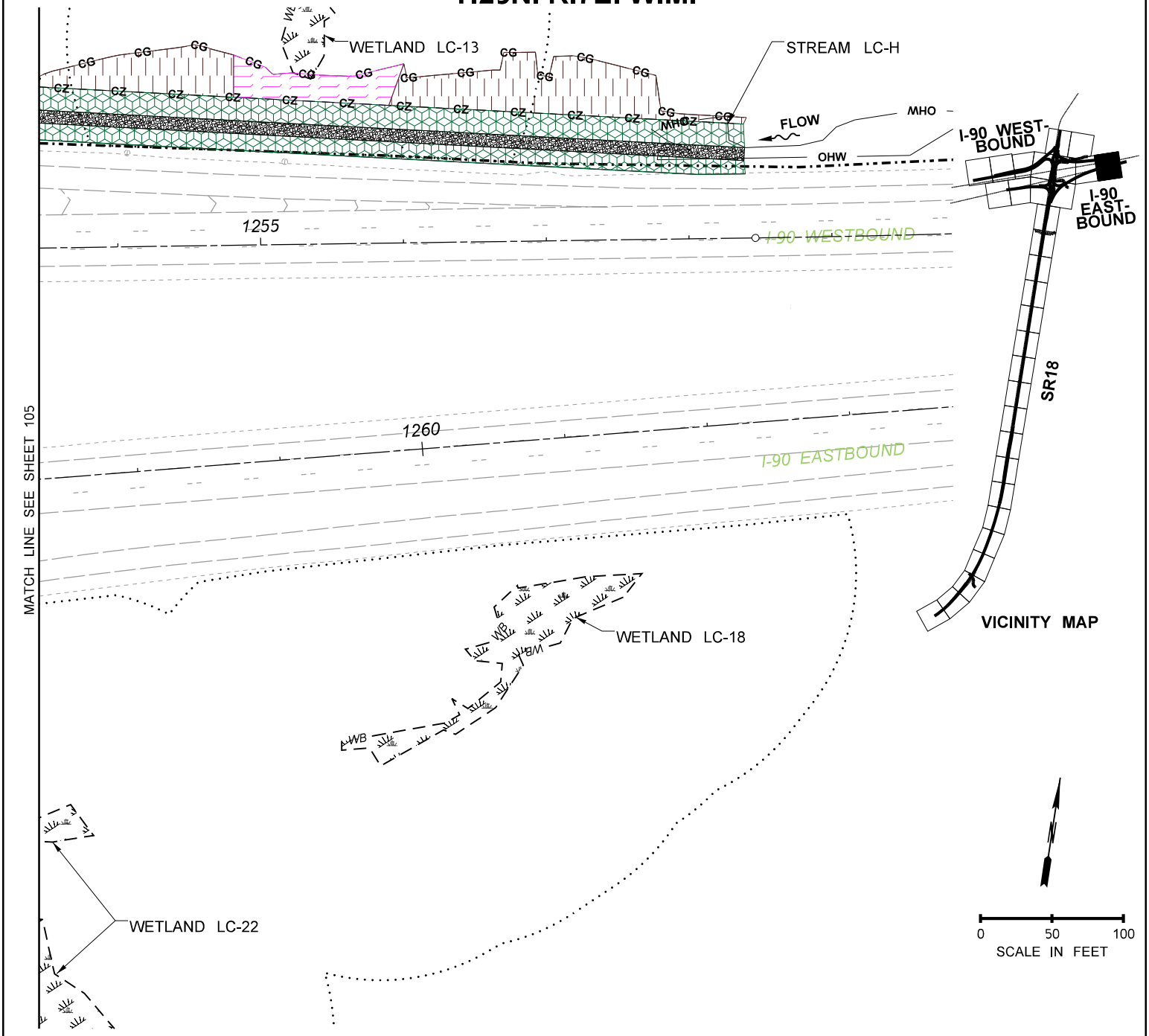

LEGEND

- MIX A - LOW GROWING SHRUB MIX - WETLAND
- MIX B - SHRUB MIX - WETLAND
- MIX C - TREE AND SHRUB MIX - WETLAND
- MIX D - LOW GROWING SHRUB MIX - BUFFER
- MIX E - SHRUB MIX - BUFFER
- MIX F - TREE AND SHRUB MIX - BUFFER
- MIX G - TREE AND SHRUB MIX - WET BUFFER
- MIX H - SHRUB MIX - WET BUFFER
- MIX I - STREAM BANK MIX - SEE NOTE 2
- STREAM BED MATERIAL
- RIPRAP MATERIAL
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NOTES

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PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

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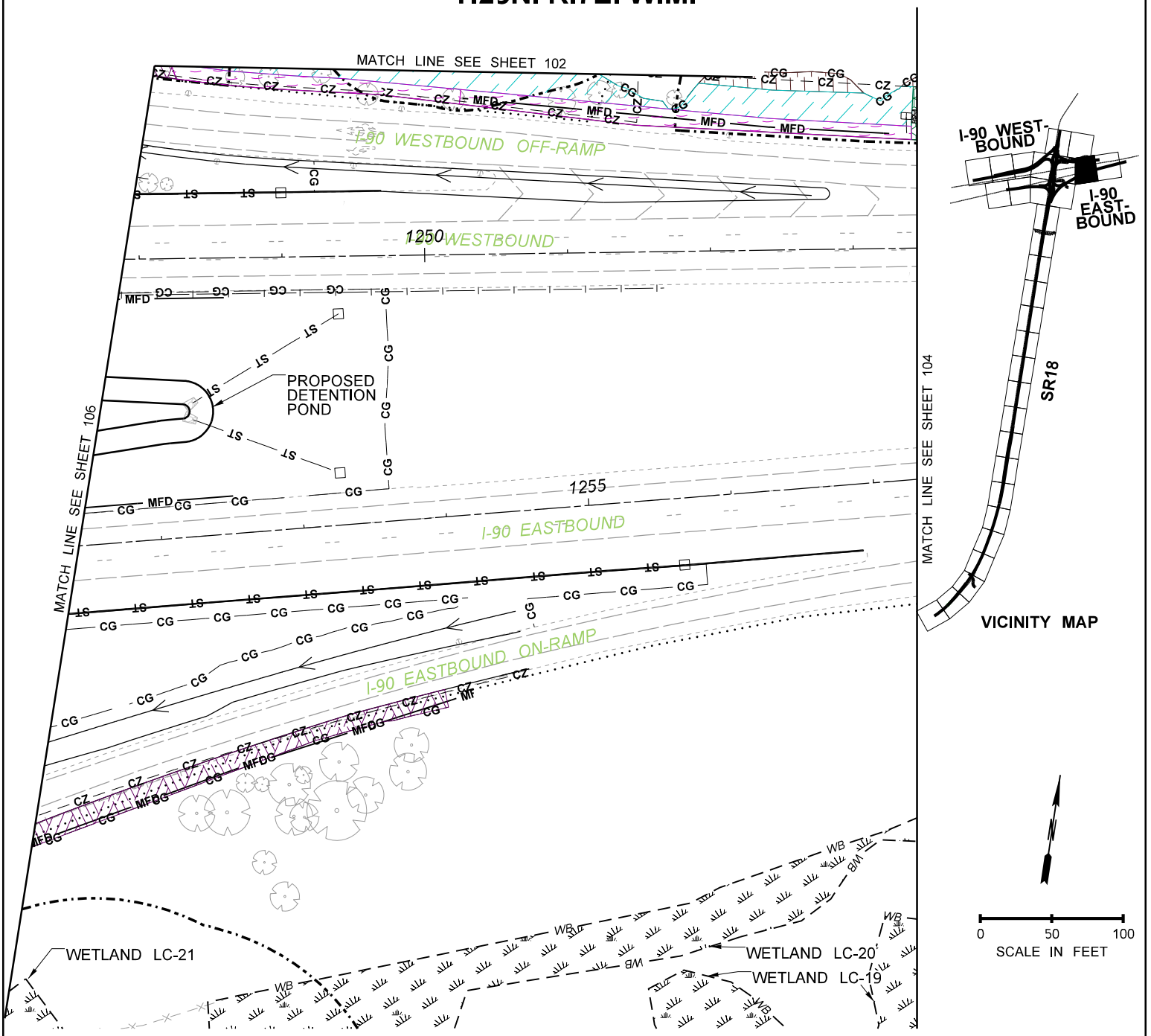

LEGEND

- MIX A - LOW GROWING SHRUB MIX - WETLAND
- MIX B - SHRUB MIX - WETLAND
- MIX C - TREE AND SHRUB MIX - WETLAND
- MIX D - LOW GROWING SHRUB MIX - BUFFER
- MIX E - SHRUB MIX - BUFFER
- MIX F - TREE AND SHRUB MIX - BUFFER
- MIX G - TREE AND SHRUB MIX - WET BUFFER
- MIX H - SHRUB MIX - WET BUFFER
- MIX I - STREAM BANK MIX - SEE NOTE 2
- STREAM BED MATERIAL
- RIPRAP MATERIAL
- DAMP AREA SEED MIX
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NOTES

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PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

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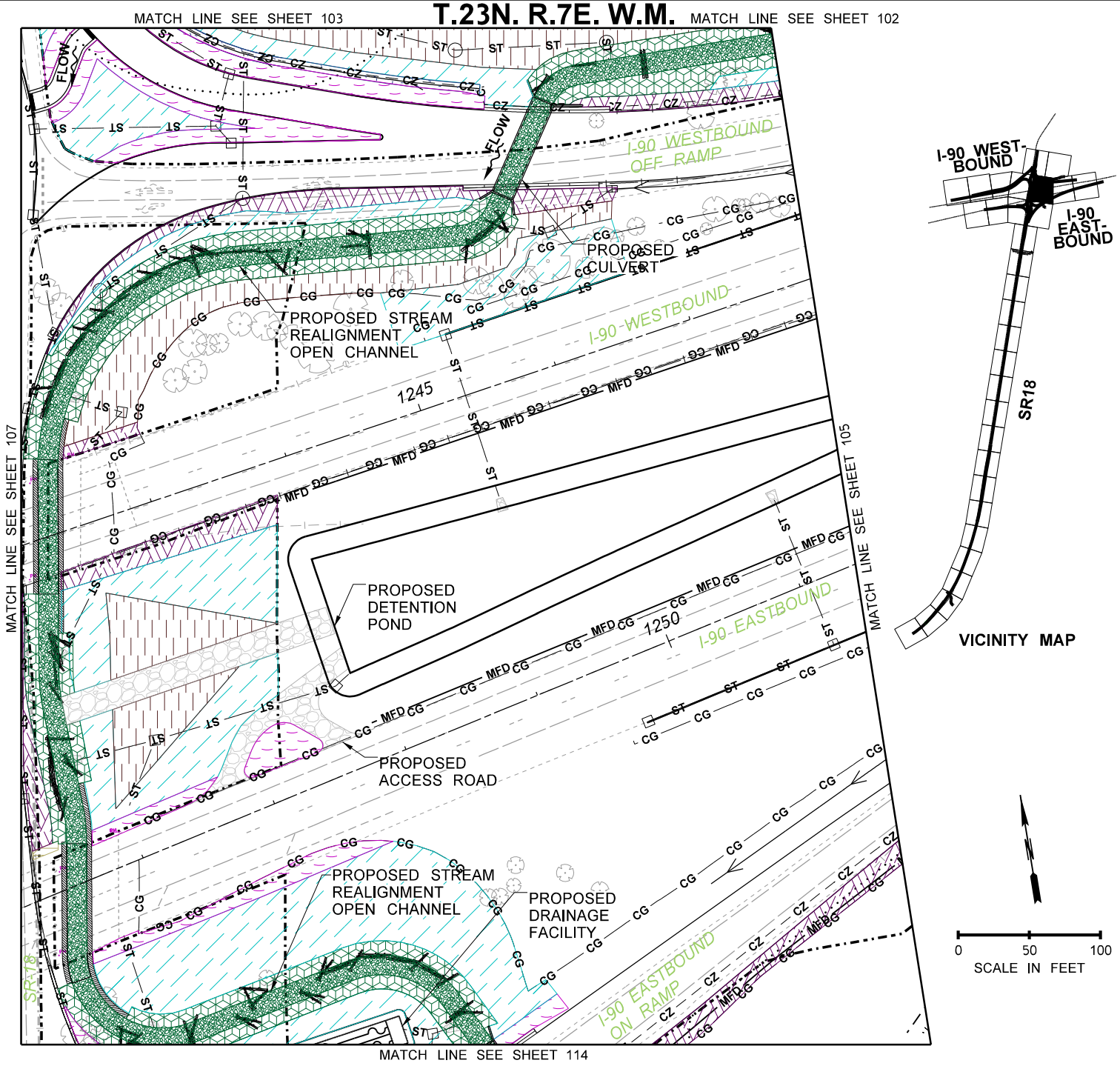
Washington State Department of Transportation

SHEET: 105 OF: 132



LEGEND

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- MIX C - TREE AND SHRUB MIX - WETLAND
- MIX D - LOW GROWING SHRUB MIX - BUFFER
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- MIX F - TREE AND SHRUB MIX - BUFFER
- MIX G - TREE AND SHRUB MIX - WET BUFFER
- MIX H - SHRUB MIX - WET BUFFER
- MIX I - STREAM BANK MIX - SEE NOTE 2
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- RIPRAP MATERIAL
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NOTES

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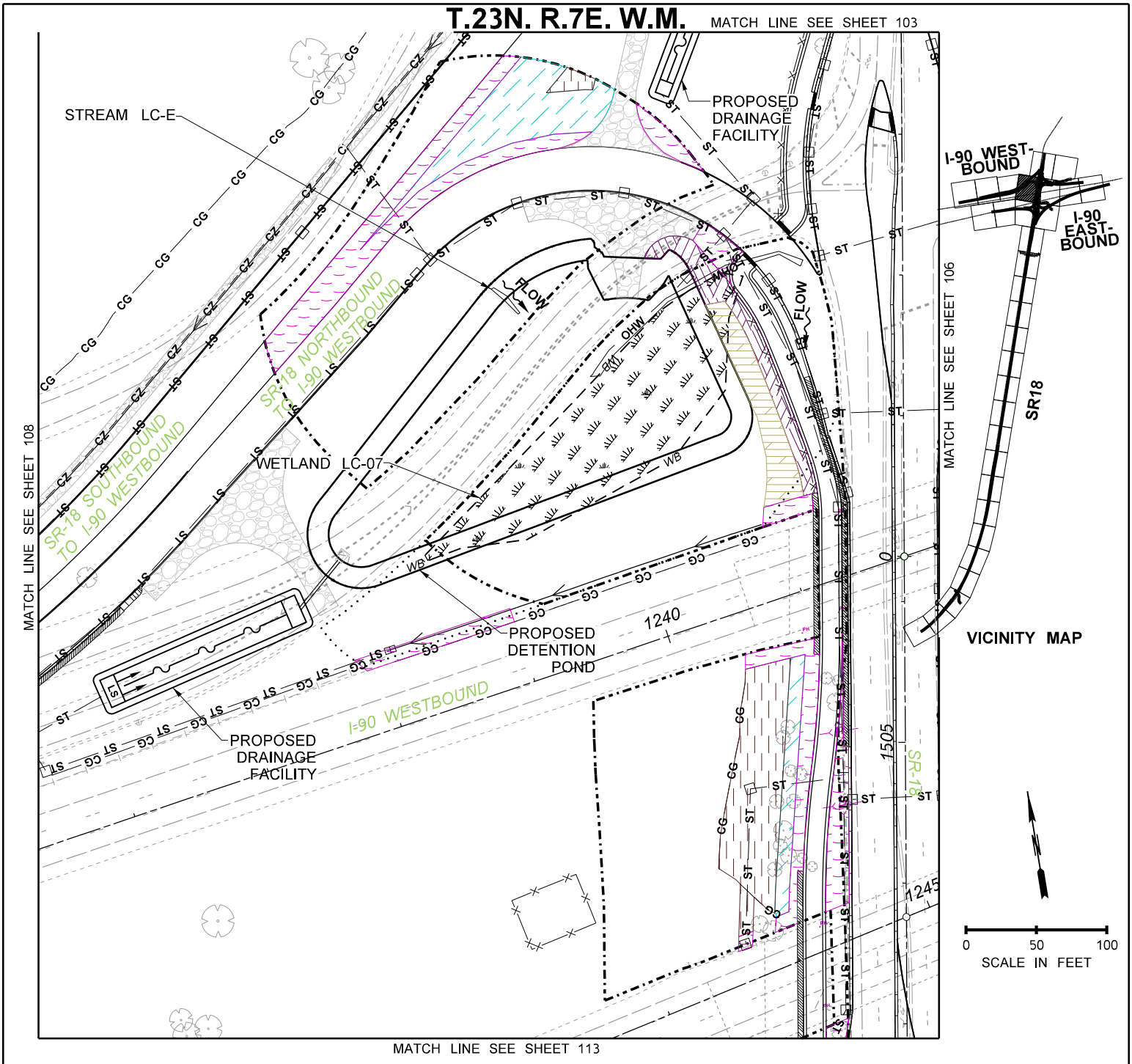

LEGEND

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- MIX C - TREE AND SHRUB MIX - WETLAND
- MIX D - LOW GROWING SHRUB MIX - BUFFER
- MIX E - SHRUB MIX - BUFFER
- MIX F - TREE AND SHRUB MIX - BUFFER
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- MIX H - SHRUB MIX - WET BUFFER
- MIX I - STREAM BANK MIX - SEE NOTE 2
- WETLAND BUFFER
- STREAM BUFFER
- ORDINARY HIGH WATER
- MEDIA FILTER DRAIN LINE
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- EXISTING EDGE OF PAVEMENT
- WETLAND
- STREAM BED MATERIAL
- RIPRAP MATERIAL
- DAMP AREA SEED MIX
- WILDFLOWER SEED MIX

NOTES

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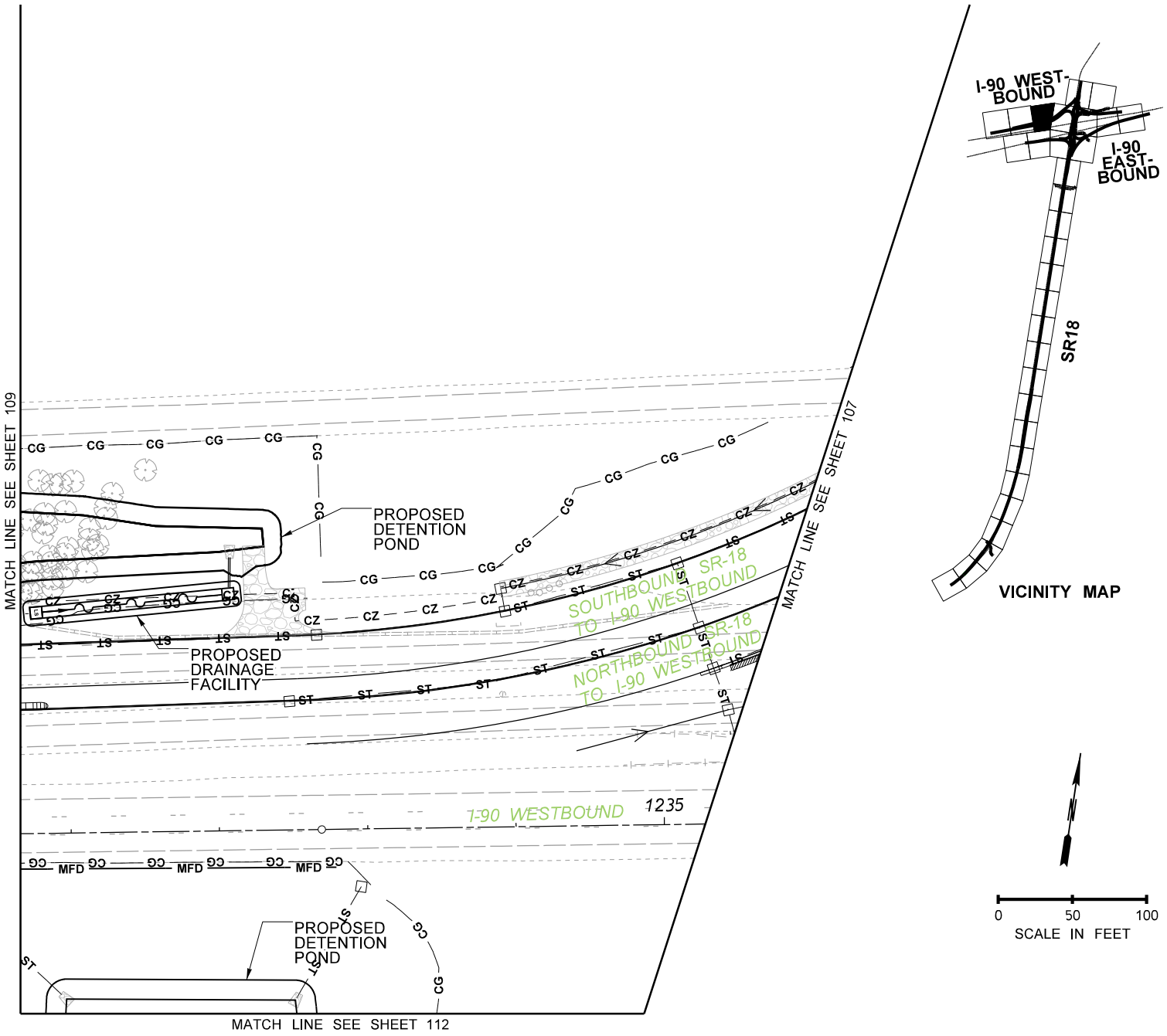
PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W|S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
REVEGETATION SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 107 OF: 132

T.23N. R.7E. W.M.



LEGEND

- MIX A - LOW GROWING SHRUB MIX - WETLAND
- MIX B - SHRUB MIX - WETLAND
- MIX C - TREE AND SHRUB MIX - WETLAND
- MIX D - LOW GROWING SHRUB MIX - BUFFER
- MIX E - SHRUB MIX - BUFFER
- MIX F - TREE AND SHRUB MIX - BUFFER
- MIX G - TREE AND SHRUB MIX - WET BUFFER
- MIX H - SHRUB MIX - WET BUFFER
- MIX I - STREAM BANK MIX - SEE NOTE 2
- STREAM BED MATERIAL
- RIPRAP MATERIAL
- DAMP AREA SEED MIX
- WILDFLOWER SEED MIX
- WETLAND BUFFER
- STREAM BUFFER
- OHW — ORDINARY HIGH WATER
- MFD — MFD — MEDIA FILTER DRAIN LINE
- DITCH LINE
- CG — CG — CG — CLEARING AND GRUBBING LINE
- PROPOSED FENCE LINE
- CZ — CZ — CZ — CLEAR ZONE LINE
- EXISTING EDGE OF PAVEMENT
- EWL — WETLAND

NOTES

1. FOR PLANT MIX DEFINITIONS, SEE SHEET 100 AND 101.
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PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
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SHEET: 108 OF: 132

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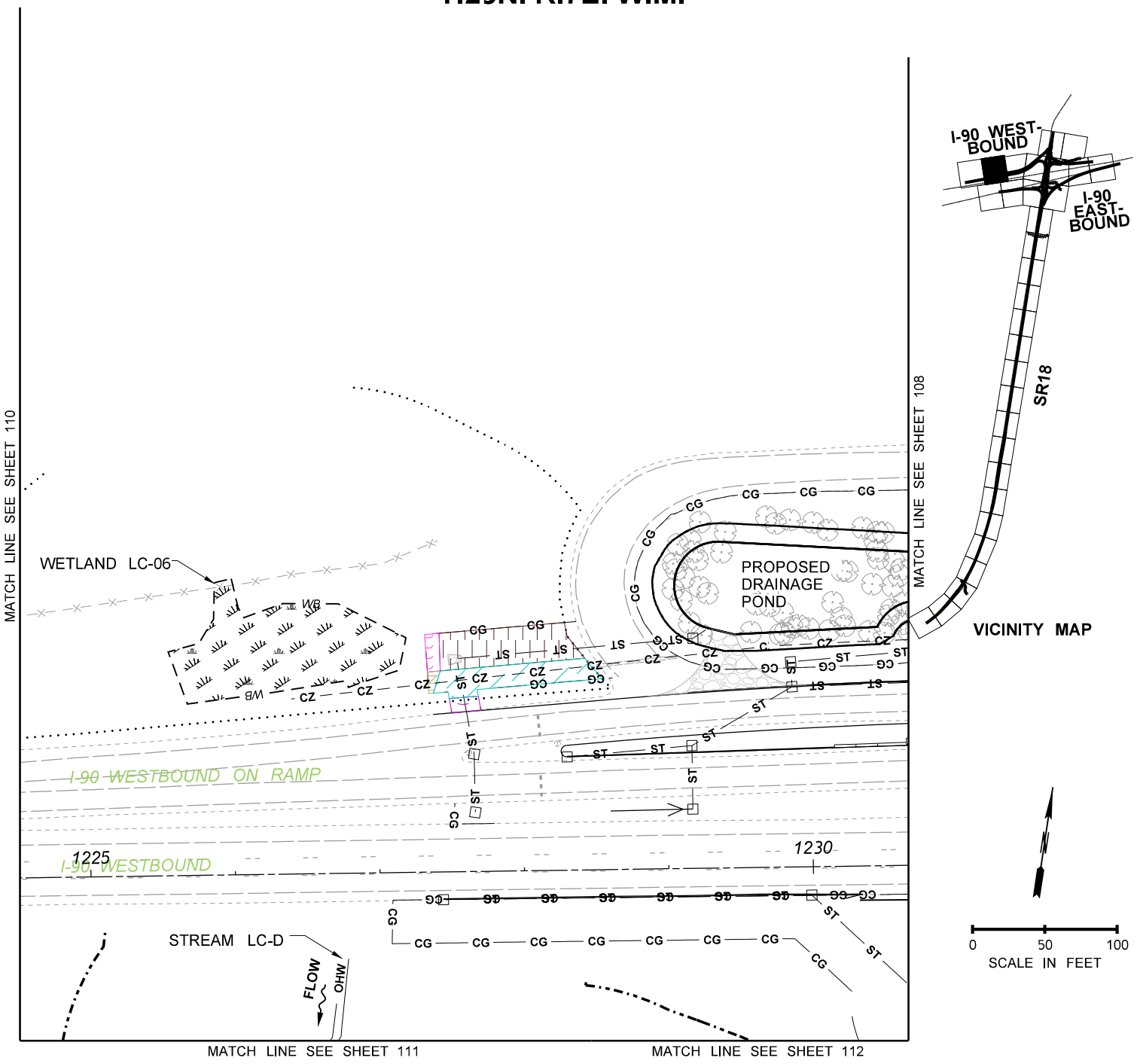

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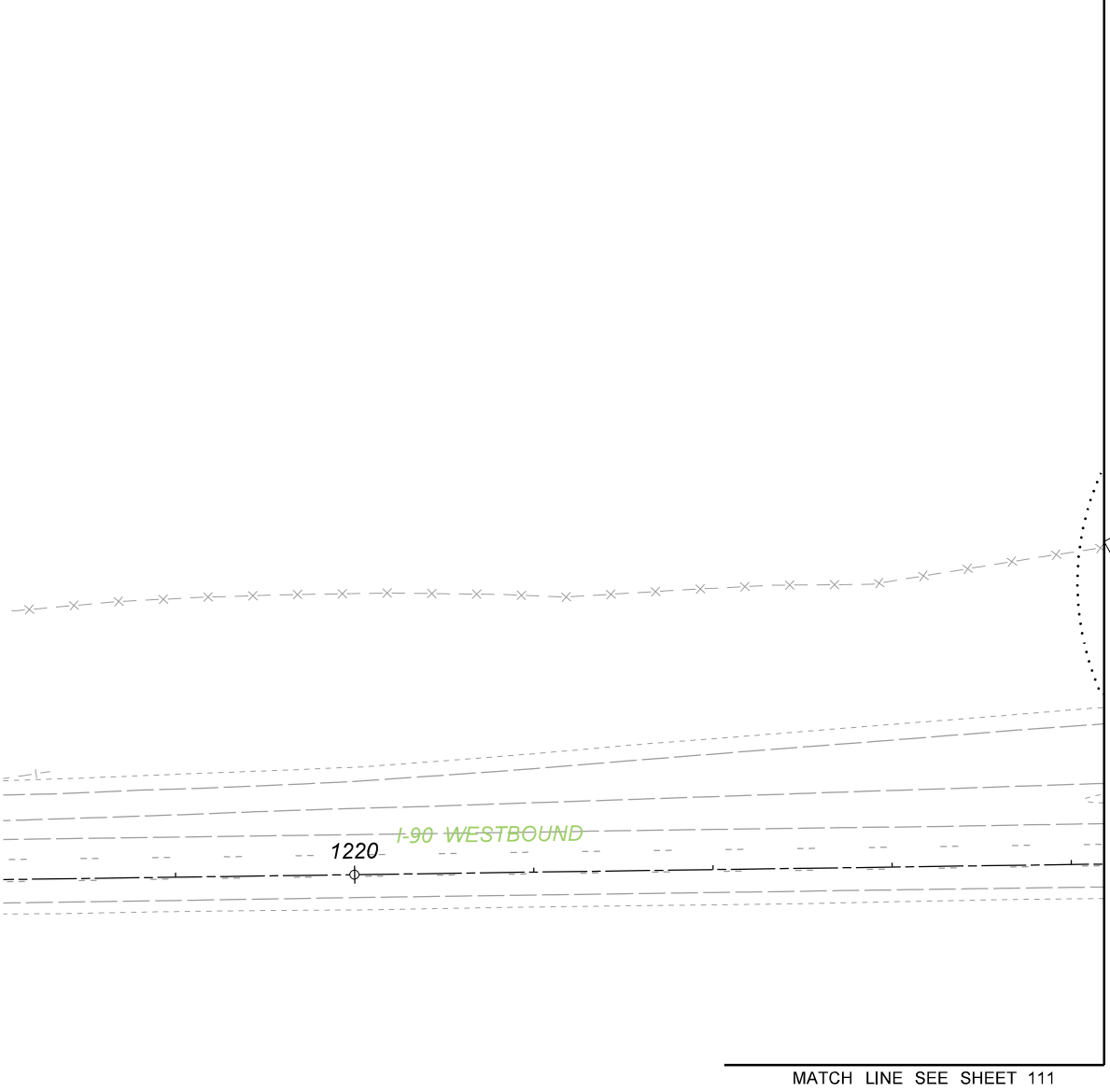
REVEGETATION SHEETS	DATE: JANUARY 20, 2022

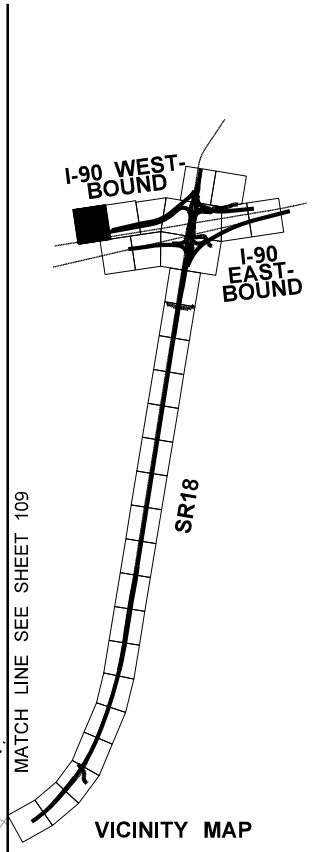
Washington State Department of Transportation

SHEET: 109 OF: 132

T.23N. R.7E. W.M.

NO REVEGETATION ACTIONS ON THIS SHEET





VICINITY MAP

0 50 100
SCALE IN FEET

LEGEND

- MIX A - LOW GROWING SHRUB MIX - WETLAND
- MIX B - SHRUB MIX - WETLAND
- MIX C - TREE AND SHRUB MIX - WETLAND
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- MIX F - TREE AND SHRUB MIX - BUFFER
- MIX G - TREE AND SHRUB MIX - WET BUFFER
- MIX H - SHRUB MIX - WET BUFFER
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- CZ — CLEAR ZONE LINE
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- EWM — WETLAND

NOTES

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PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
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REVEGETATION SHEETS	DATE: JANUARY 20, 2022

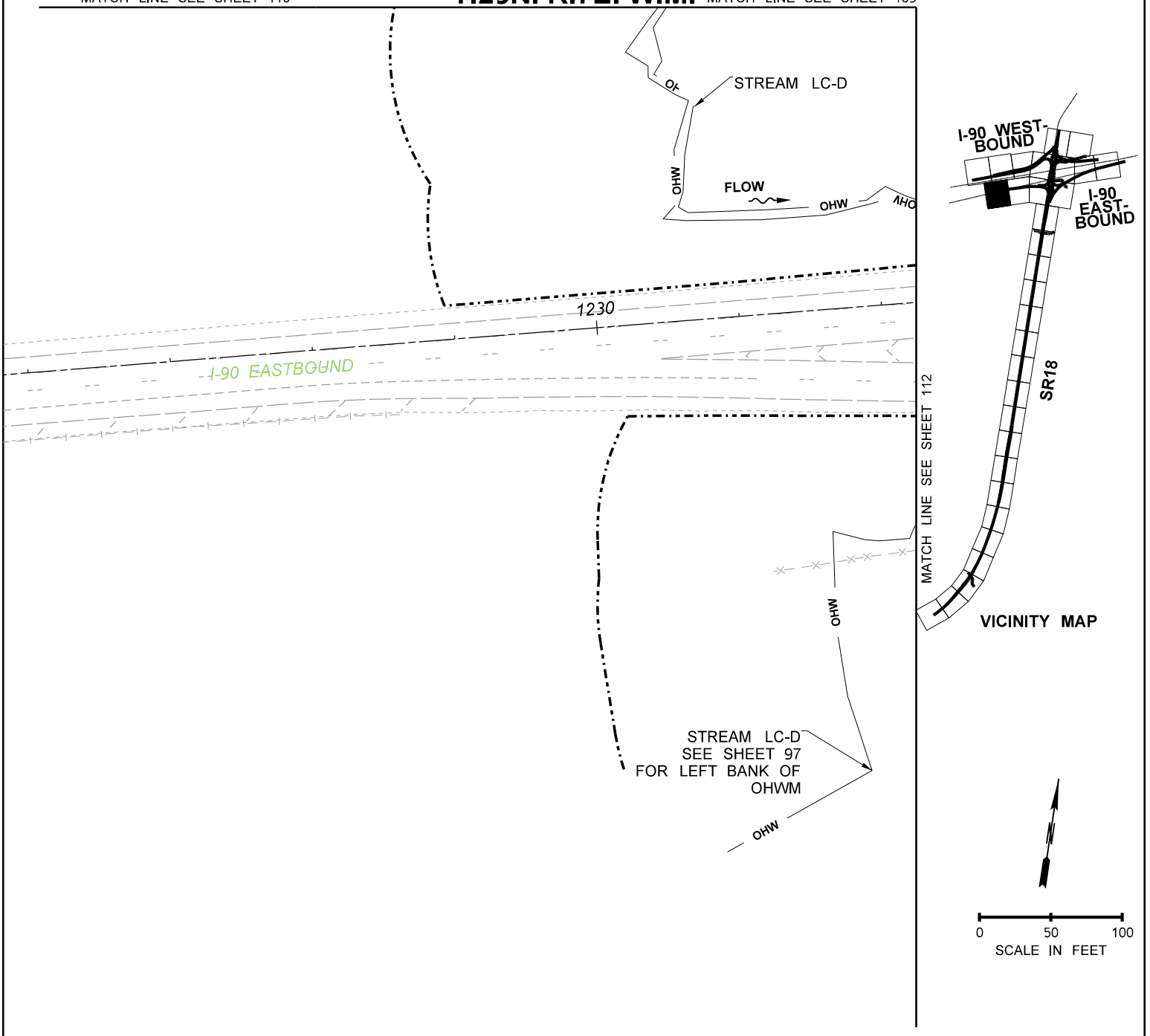
Washington State Department of Transportation

SHEET: 110 OF: 132

MATCH LINE SEE SHEET 110

T.23N. R.7E. W.M.

MATCH LINE SEE SHEET 109



LEGEND

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- MIX C - TREE AND SHRUB MIX - WETLAND
- MIX D - LOW GROWING SHRUB MIX - BUFFER
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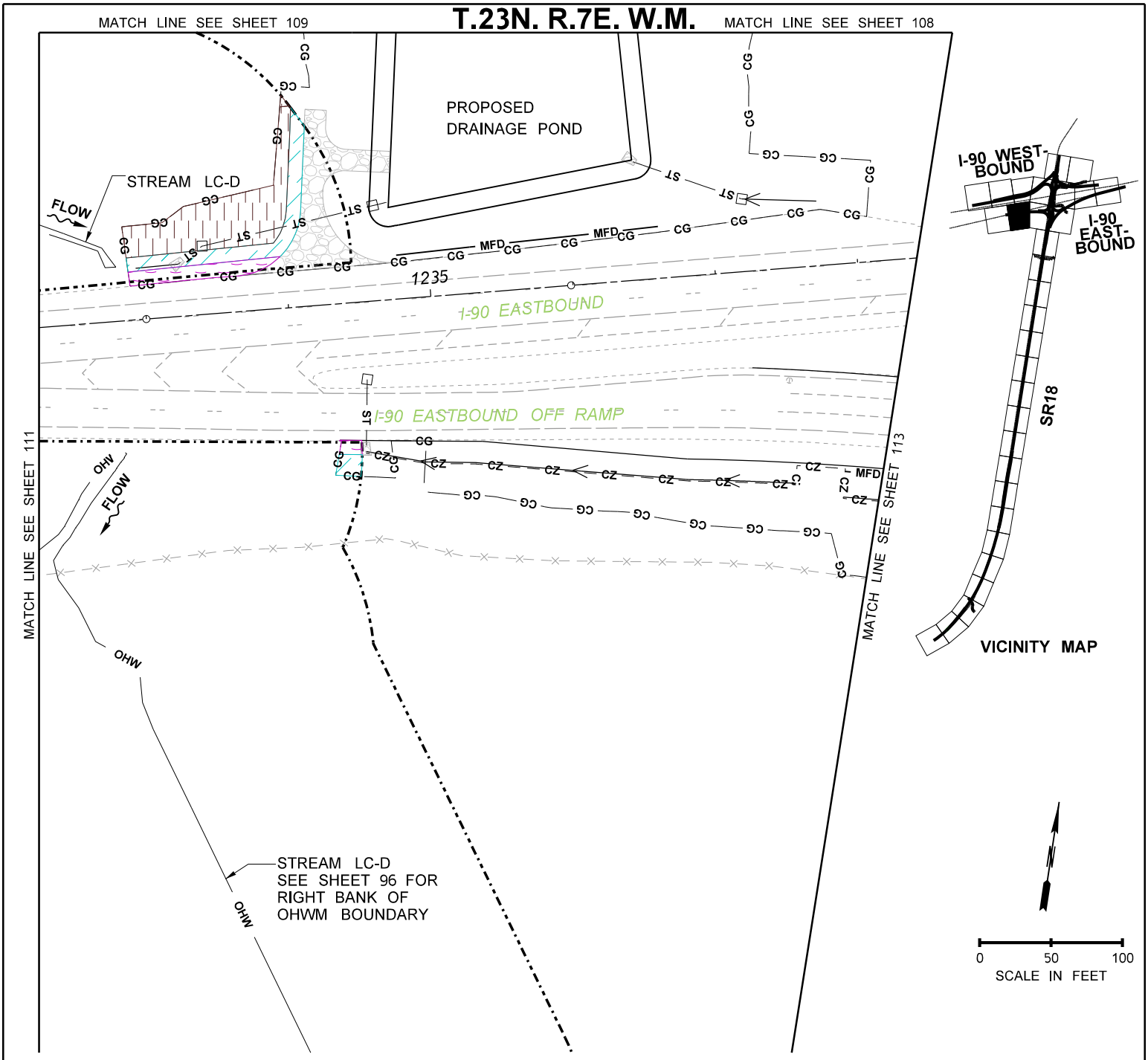
Washington State Department of Transportation

SHEET: 111 OF: 132



LEGEND

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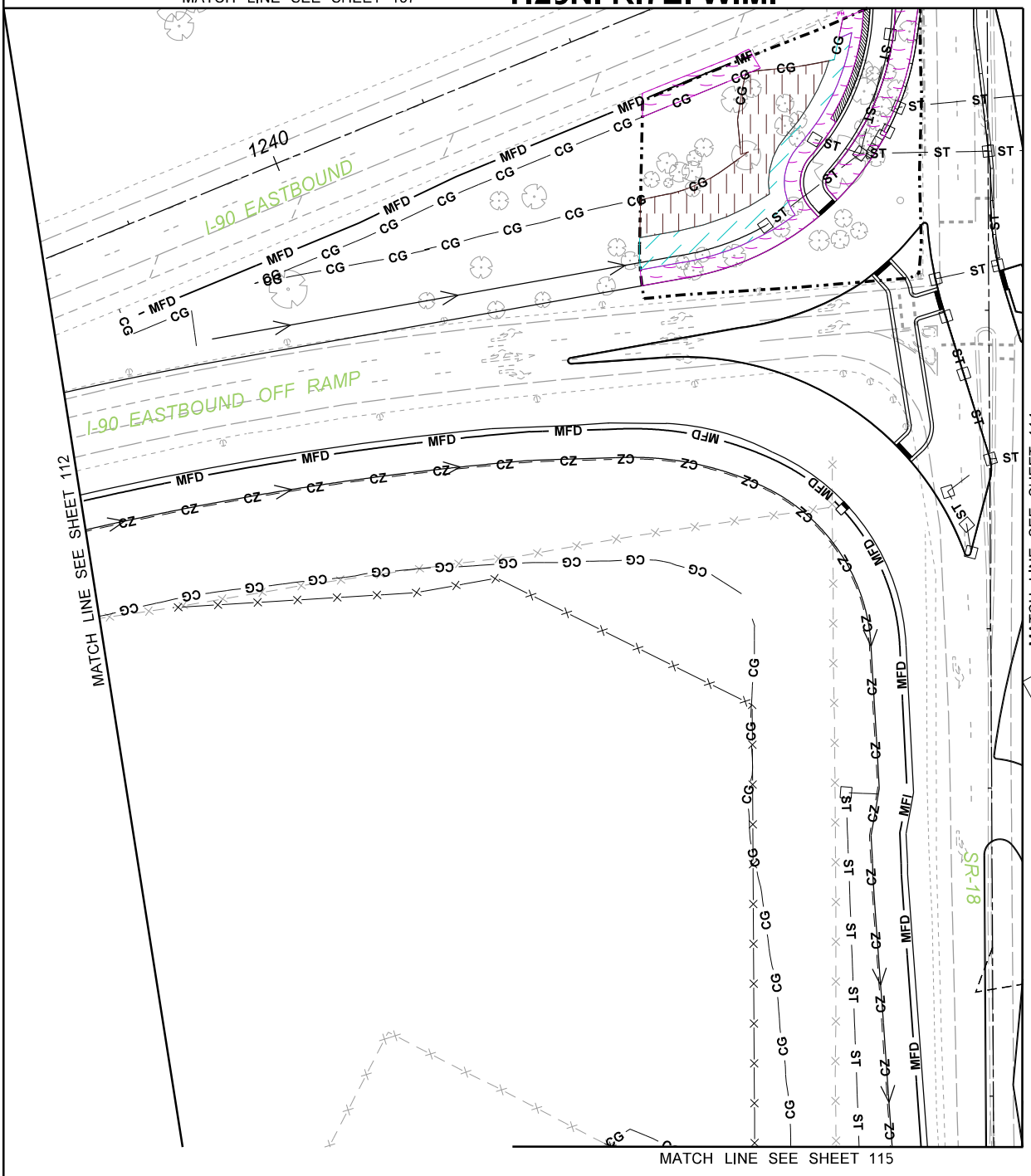
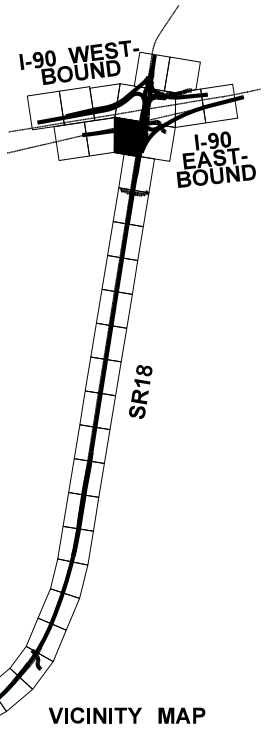
Washington State
Department of Transportation

MATCH LINE SEE SHEET 107

T.23N. R.7E. W.M.





VICINITY MAP

0 50 100
SCALE IN FEET

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PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
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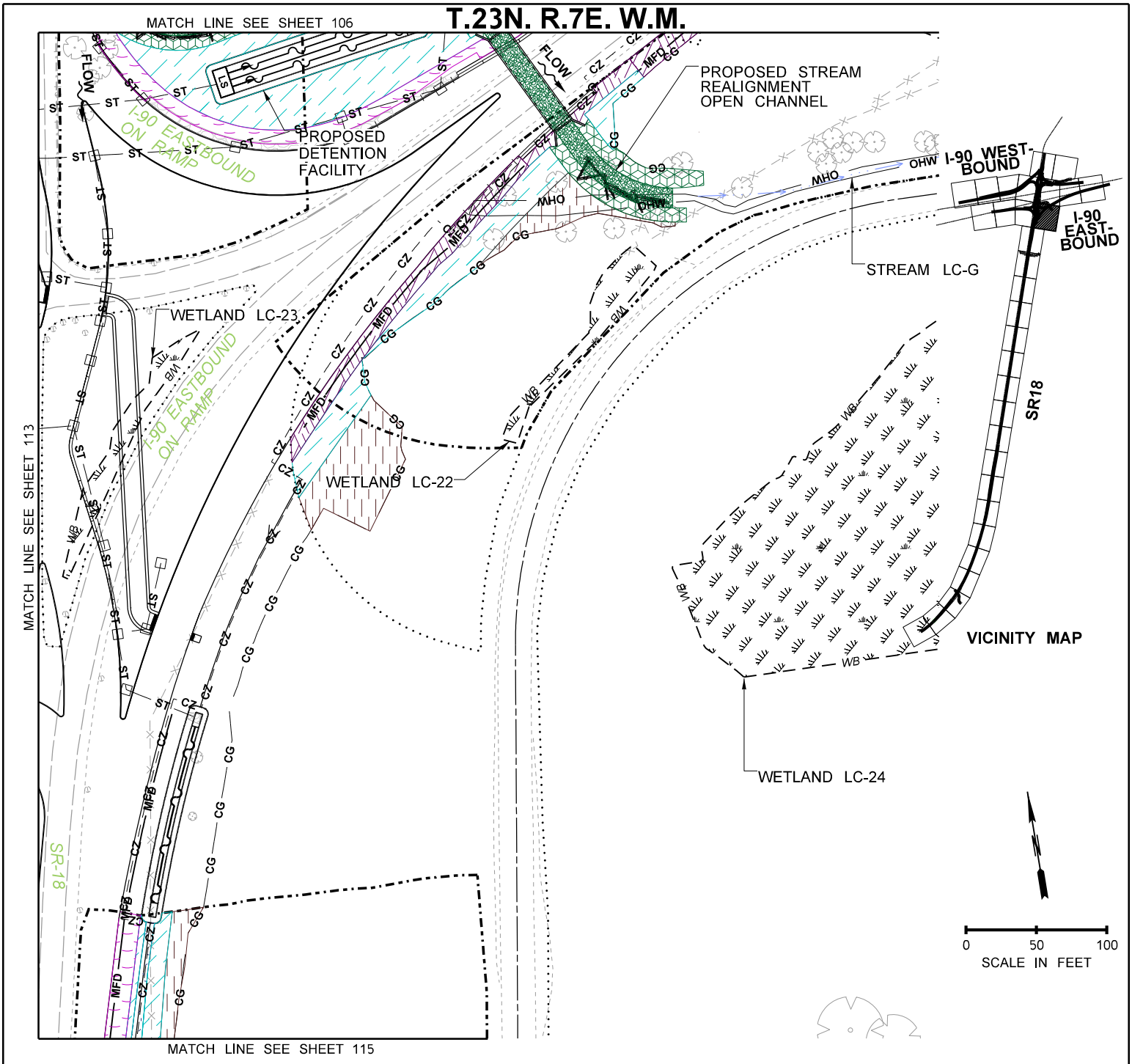
REVEGETATION SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 113 OF: 132



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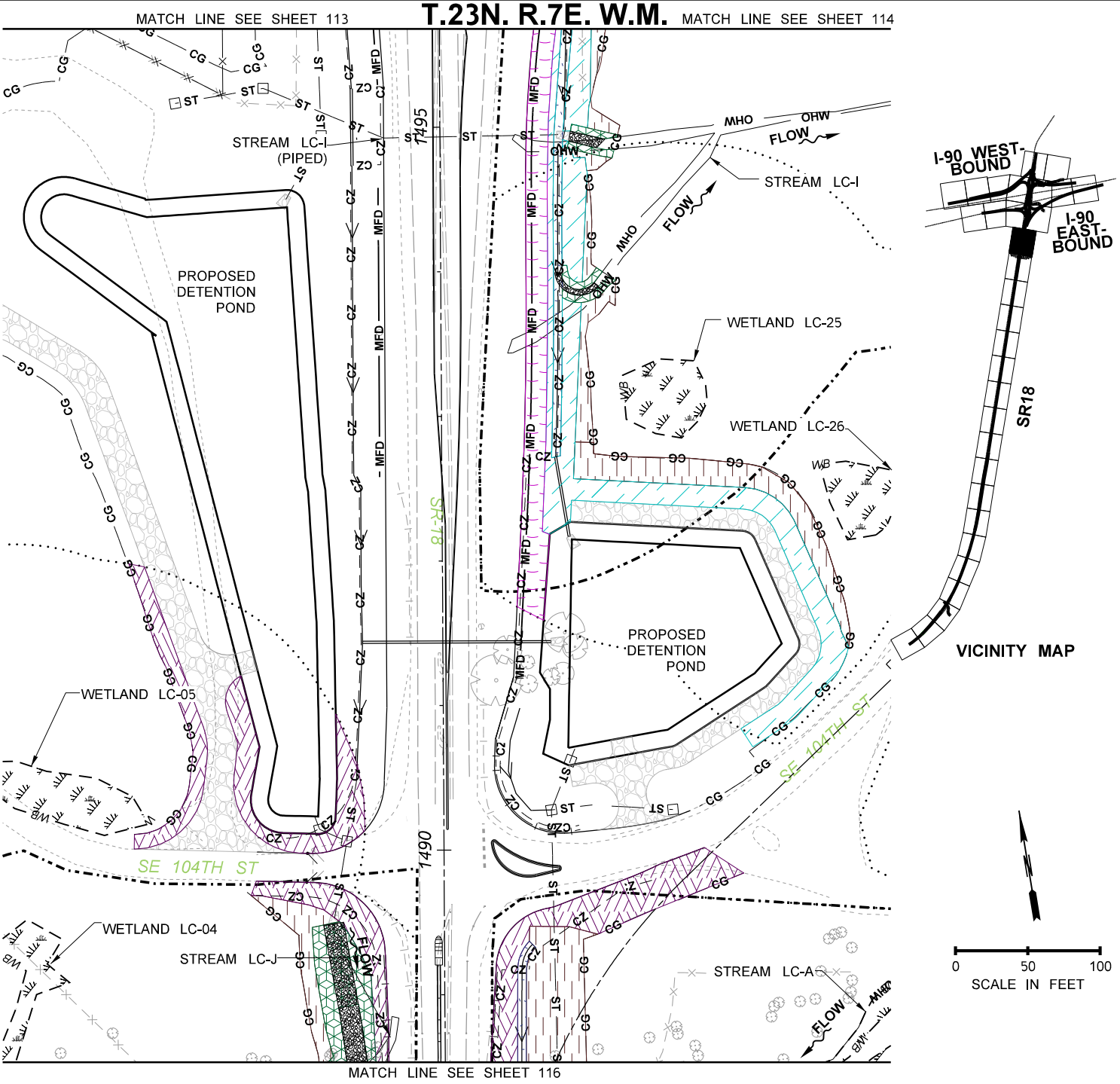

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SHEET: 115 OF: 132

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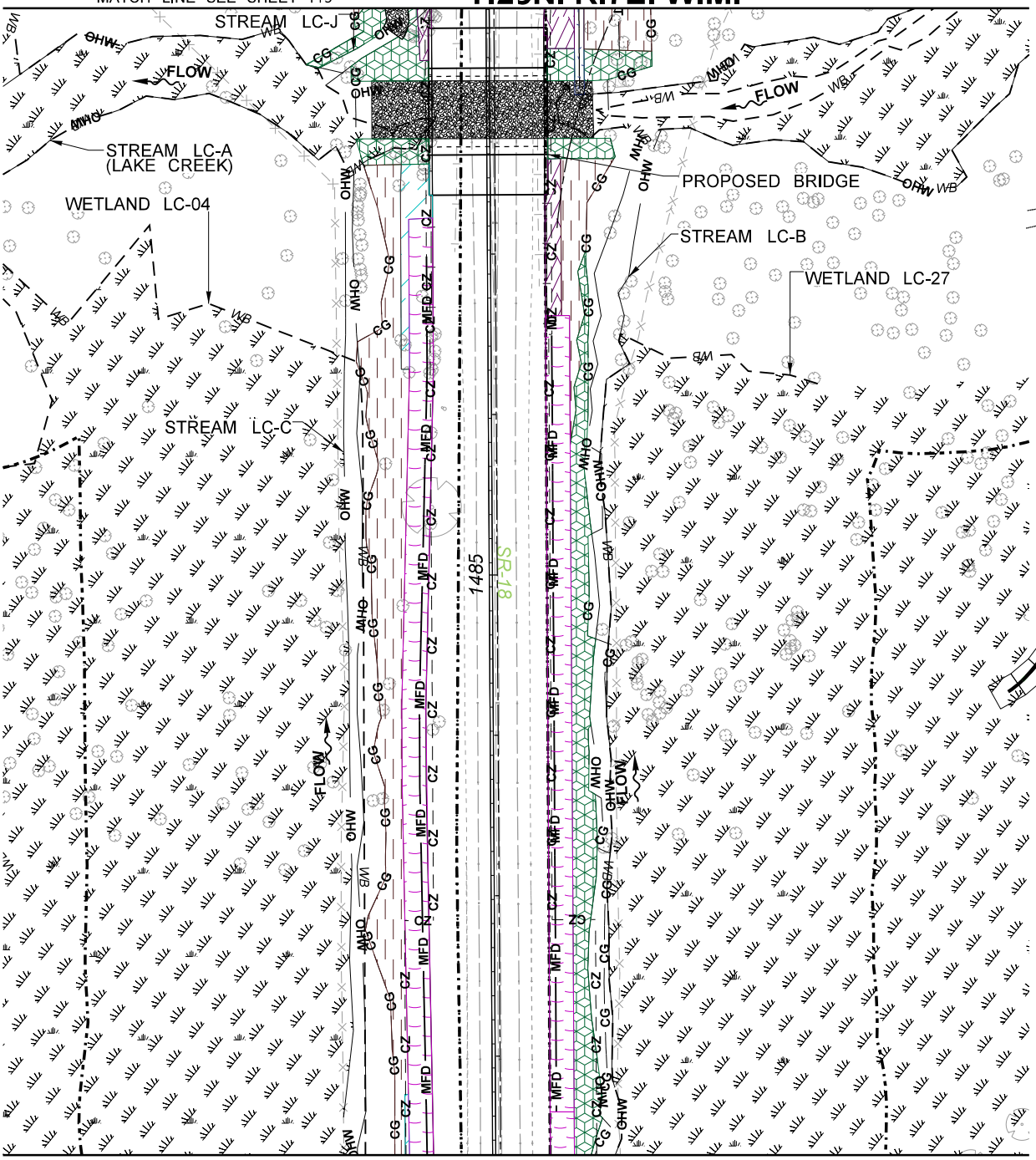

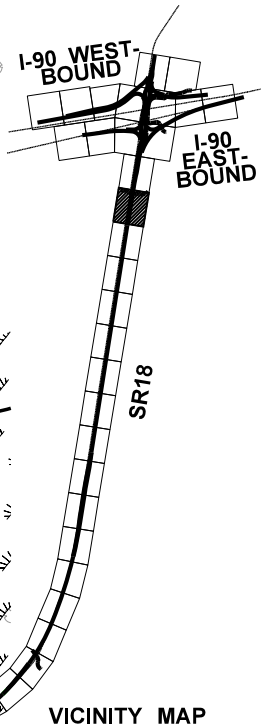

VICINITY MAP

0 50 100
SCALE IN FEET

LEGEND

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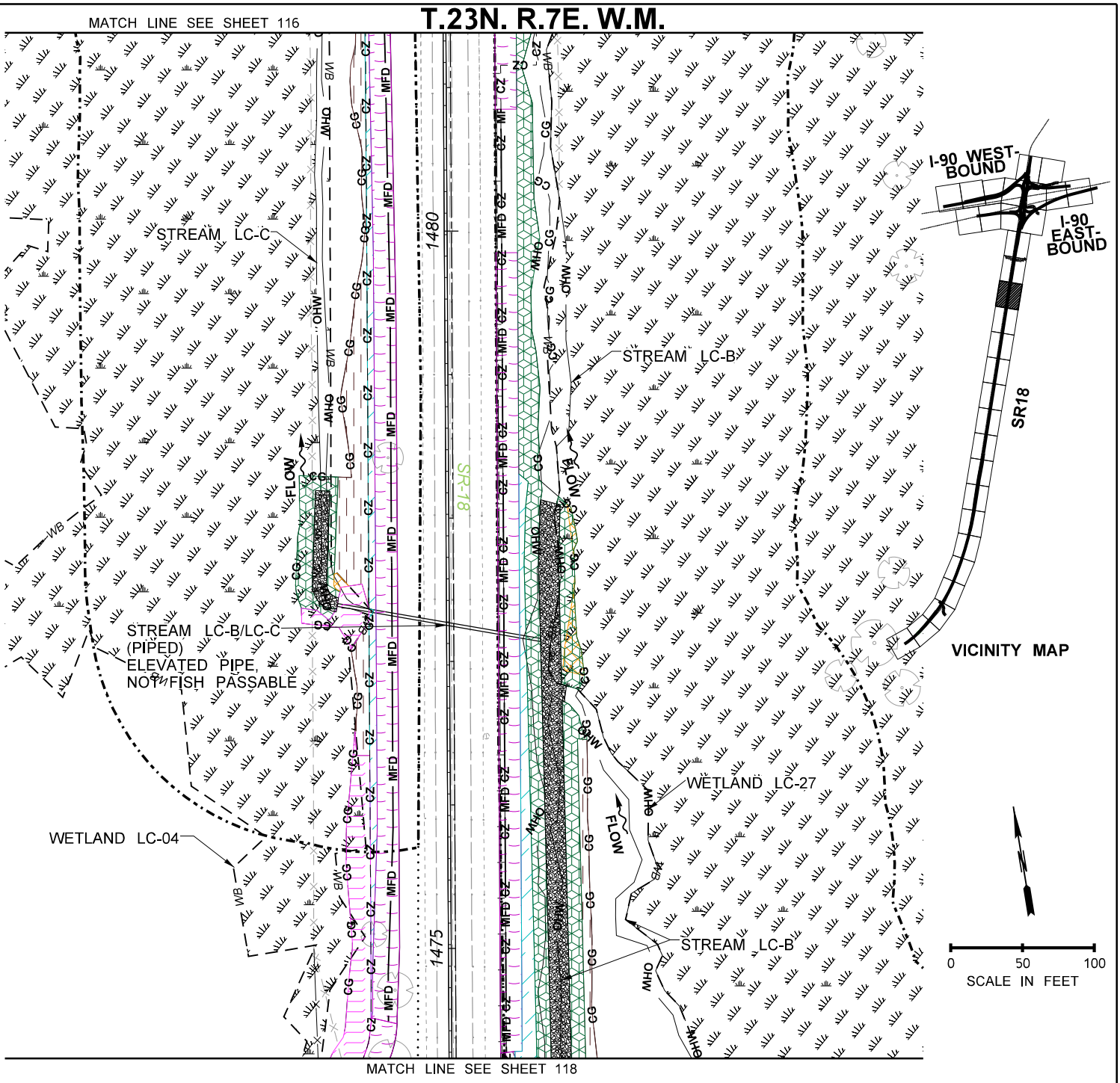
SHEET: 116 OF: 132



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- MIX D - LOW GROWING SHRUB MIX - BUFFER
- MIX E - SHRUB MIX - BUFFER
- MIX F - TREE AND SHRUB MIX - BUFFER
- MIX G - TREE AND SHRUB MIX - WET BUFFER
- MIX H - SHRUB MIX - WET BUFFER
- MIX I - STREAM BANK MIX - SEE NOTE 2
- WETLAND BUFFER
- STREAM BUFFER
- ORDINARY HIGH WATER
- MEDIA FILTER DRAIN LINE
- DITCH LINE
- CLEARING AND GRUBBING LINE
- PROPOSED FENCE LINE
- CLEAR ZONE LINE
- EXISTING EDGE OF PAVEMENT
- STREAM BED MATERIAL
- RIPRAP MATERIAL
- DAMP AREA SEED MIX
- WILDFLOWER SEED MIX
- WETLAND

NOTES

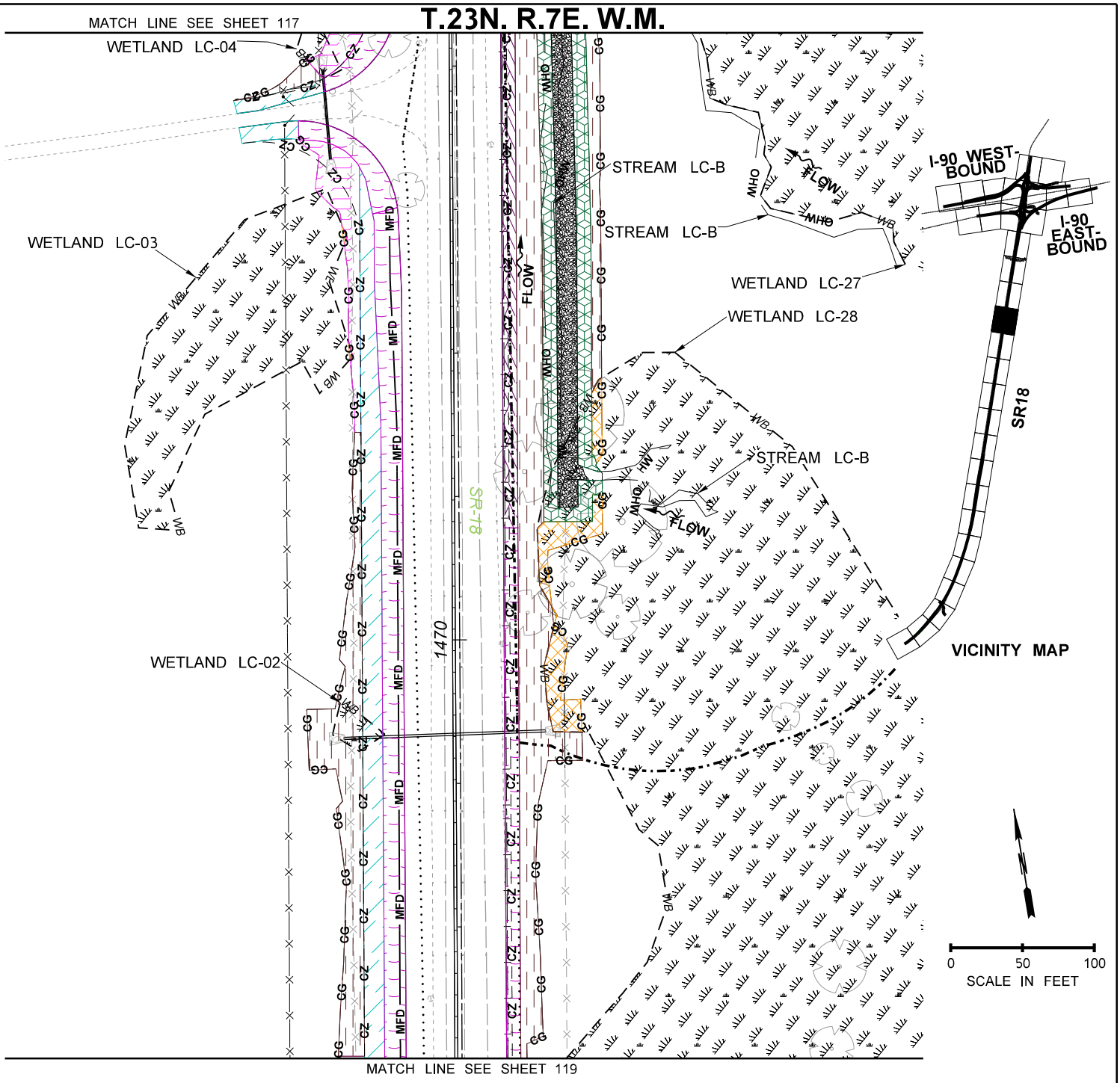
1. FOR PLANT MIX DEFINITIONS, SEE SHEET 100 AND 101.
2. THE LIMITS OF MIX I - STREAM BANK MIX IS SCHEMATIC. THE ACTUAL LIMITS WILL FOLLOW THE PROPOSED DITCH/STREAM EDGE. FOR TYPICAL PLAN LAYOUT ALONG THE STREAM EDGE, SEE STREAM CROSS SECTION DETAIL ON SHEET 99.

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W|S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
REVEGETATION SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 117 OF: 132



LEGEND

- MIX A - LOW GROWING SHRUB MIX - WETLAND
- MIX B - SHRUB MIX - WETLAND
- MIX C - TREE AND SHRUB MIX - WETLAND
- MIX D - LOW GROWING SHRUB MIX - BUFFER
- MIX E - SHRUB MIX - BUFFER
- MIX F - TREE AND SHRUB MIX - BUFFER
- MIX G - TREE AND SHRUB MIX - WET BUFFER
- MIX H - SHRUB MIX - WET BUFFER
- MIX I - STREAM BANK MIX - SEE NOTE 2
- WETLAND BUFFER
- STREAM BUFFER
- OHW — ORDINARY HIGH WATER
- MFD — MFE — MEDIA FILTER DRAIN LINE
- DITCH LINE
- CLEARING AND GRUBBING LINE
- PROPOSED FENCE LINE
- CLEAR ZONE LINE
- EXISTING EDGE OF PAVEMENT
- STREAM BED MATERIAL
- RIPRAP MATERIAL
- DAMP AREA SEED MIX
- WILDFLOWER SEED MIX
- WETLAND

NOTES

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PROJECT DATA	
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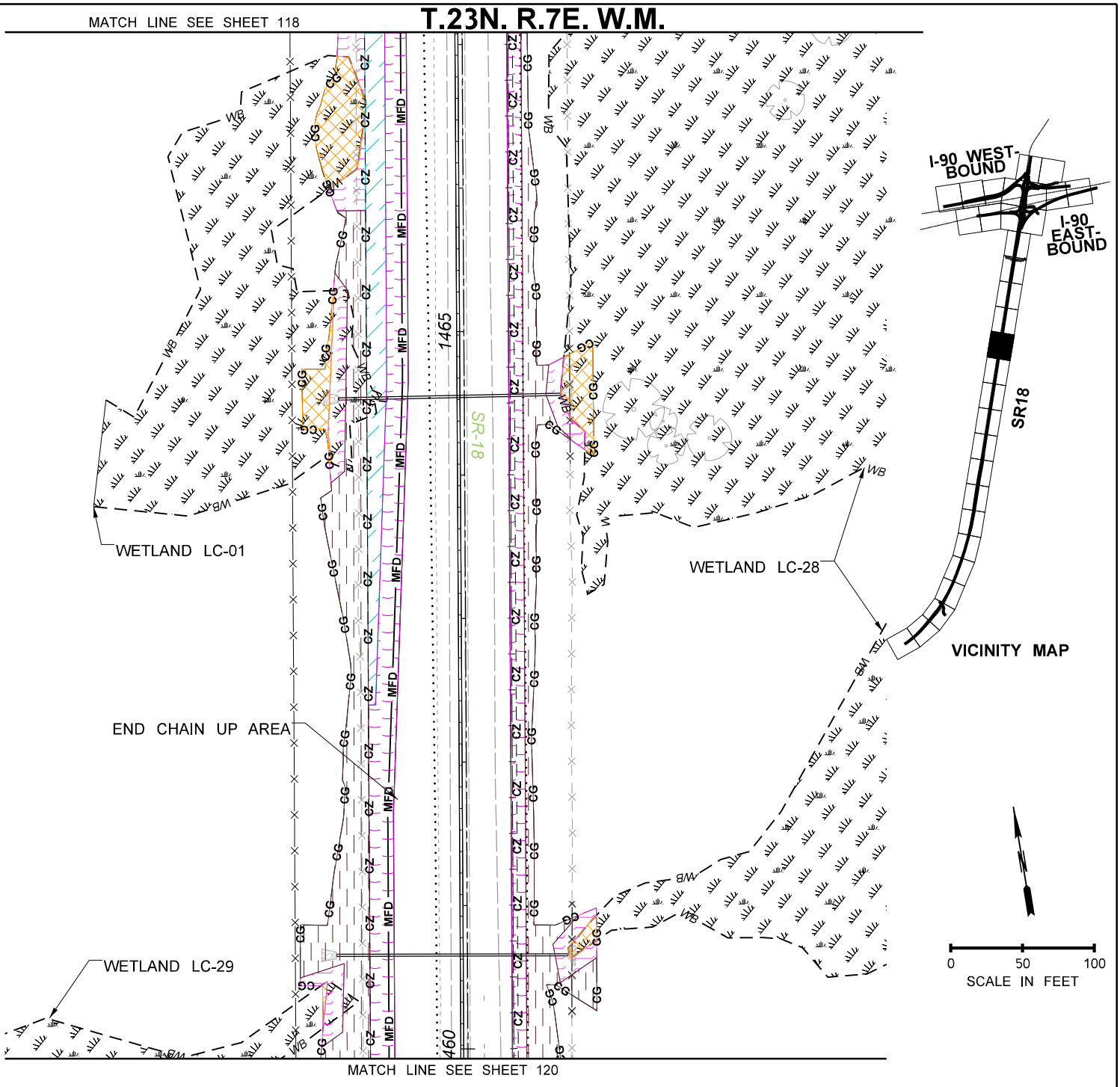
REVEGETATION SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 118 OF: 132



LEGEND

- MIX A - LOW GROWING SHRUB MIX - WETLAND
- MIX B - SHRUB MIX - WETLAND
- MIX C - TREE AND SHRUB MIX - WETLAND
- MIX D - LOW GROWING SHRUB MIX - BUFFER
- MIX E - SHRUB MIX - BUFFER
- MIX F - TREE AND SHRUB MIX - BUFFER
- MIX G - TREE AND SHRUB MIX - WET BUFFER
- MIX H - SHRUB MIX - WET BUFFER
- MIX I - STREAM BANK MIX - SEE NOTE 2
- STREAM BED MATERIAL
- RIPRAP MATERIAL
- DAMP AREA SEED MIX
- WILDFLOWER SEED MIX
- WETLAND BUFFER
- STREAM BUFFER
- OHW — ORDINARY HIGH WATER
- MFD — MFE — MEDIA FILTER DRAIN LINE
- DITCH LINE
- CG — CLEARING AND GRUBBING LINE
- PROPOSED FENCE LINE
- CZ — CLEAR ZONE LINE
- EXISTING EDGE OF PAVEMENT
- WETLAND

NOTES

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REVEGETATION SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 119 OF: 132

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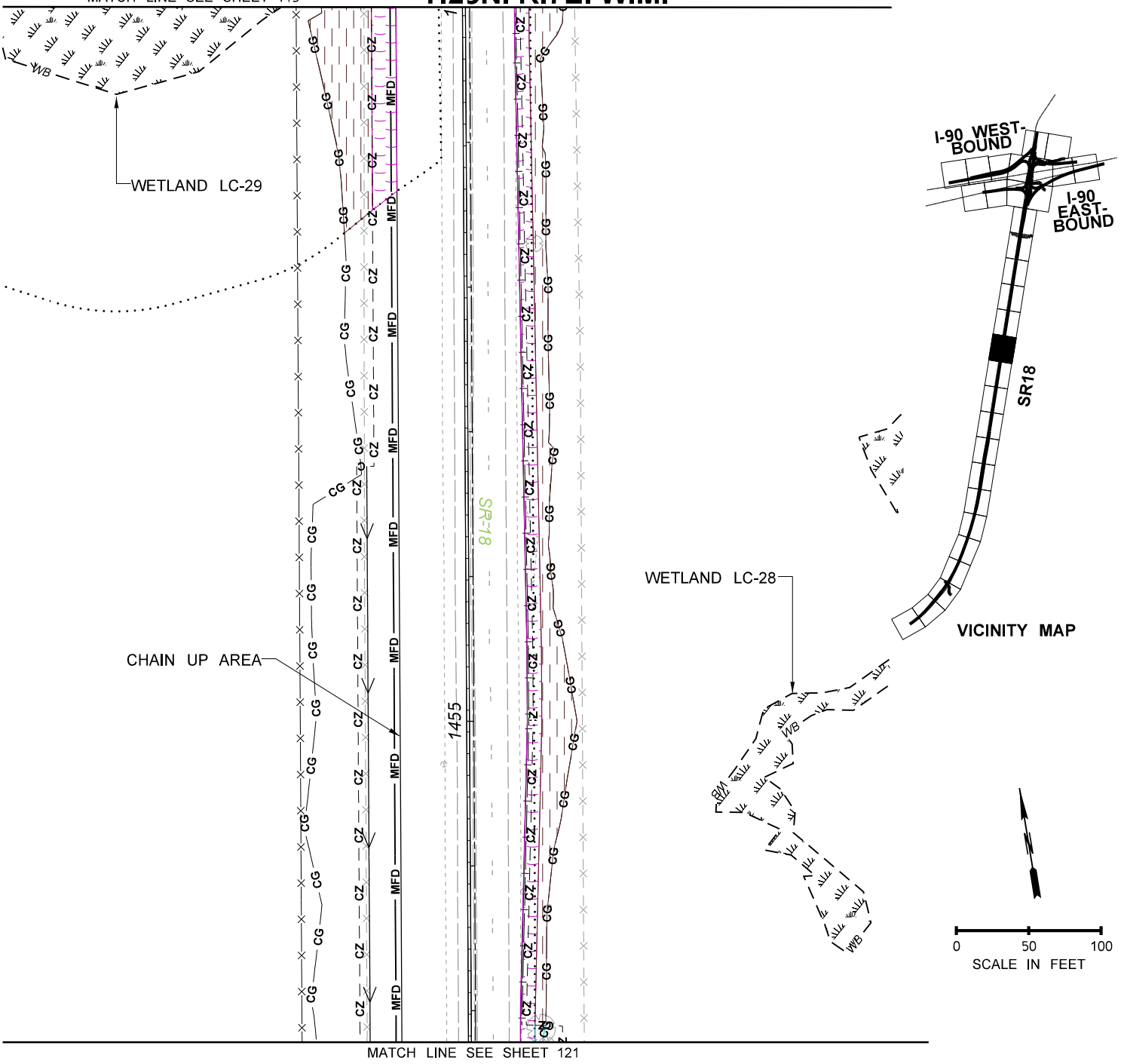

LEGEND

- MIX A - LOW GROWING SHRUB MIX - WETLAND
- MIX B - SHRUB MIX - WETLAND
- MIX C - TREE AND SHRUB MIX - WETLAND
- MIX D - LOW GROWING SHRUB MIX - BUFFER
- MIX E - SHRUB MIX - BUFFER
- MIX F - TREE AND SHRUB MIX - BUFFER
- MIX G - TREE AND SHRUB MIX - WET BUFFER
- MIX H - SHRUB MIX - WET BUFFER
- MIX I - STREAM BANK MIX - SEE NOTE 2
- STREAM BED MATERIAL
- RIPRAP MATERIAL
- DAMP AREA SEED MIX
- WILDFLOWER SEED MIX
- WETLAND BUFFER
- STREAM BUFFER
- OHW — ORDINARY HIGH WATER
- MFD — MFD — MEDIA FILTER DRAIN LINE
- DITCH LINE
- CG — CG — CG — CLEARING AND GRUBBING LINE
- PROPOSED FENCE LINE
- CZ — CZ — CZ — CLEAR ZONE LINE
- EXISTING EDGE OF PAVEMENT
- EWA — WETLAND

NOTES

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REVEGETATION SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

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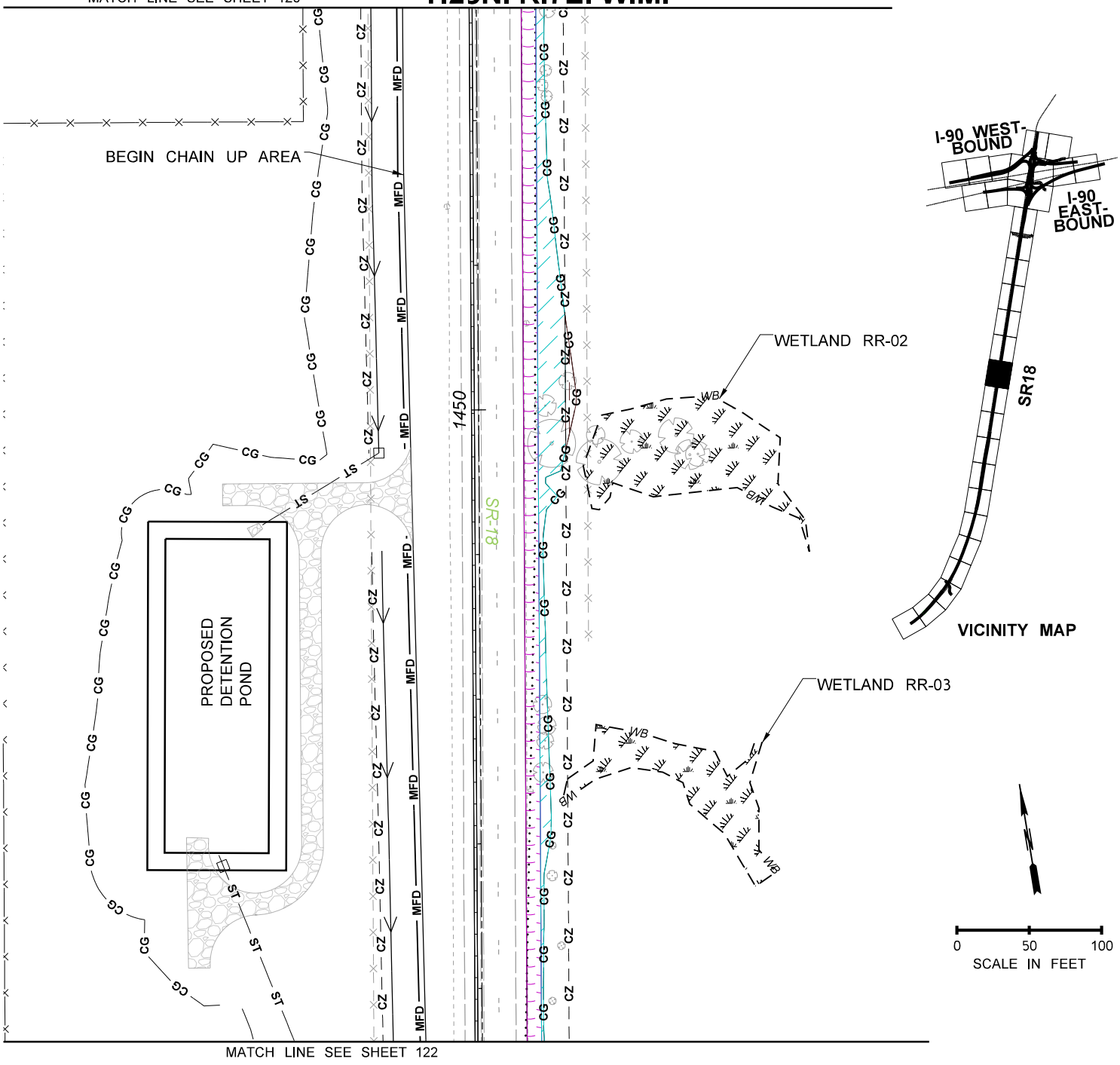

LEGEND

- MIX A - LOW GROWING SHRUB MIX - WETLAND
- MIX B - SHRUB MIX - WETLAND
- MIX C - TREE AND SHRUB MIX - WETLAND
- MIX D - LOW GROWING SHRUB MIX - BUFFER
- MIX E - SHRUB MIX - BUFFER
- MIX F - TREE AND SHRUB MIX - BUFFER
- MIX G - TREE AND SHRUB MIX - WET BUFFER
- MIX H - SHRUB MIX - WET BUFFER
- MIX I - STREAM BANK MIX - SEE NOTE 2
- STREAM BED MATERIAL
- RIPRAP MATERIAL
- DAMP AREA SEED MIX
- WILDFLOWER SEED MIX
- WETLAND BUFFER
- STREAM BUFFER
- OHW — ORDINARY HIGH WATER
- MFD — MFE — MEDIA FILTER DRAIN LINE
- DITCH LINE
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- PROPOSED FENCE LINE
- CLEAR ZONE LINE
- EXISTING EDGE OF PAVEMENT
- WETLAND

NOTES

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PROJECT DATA	
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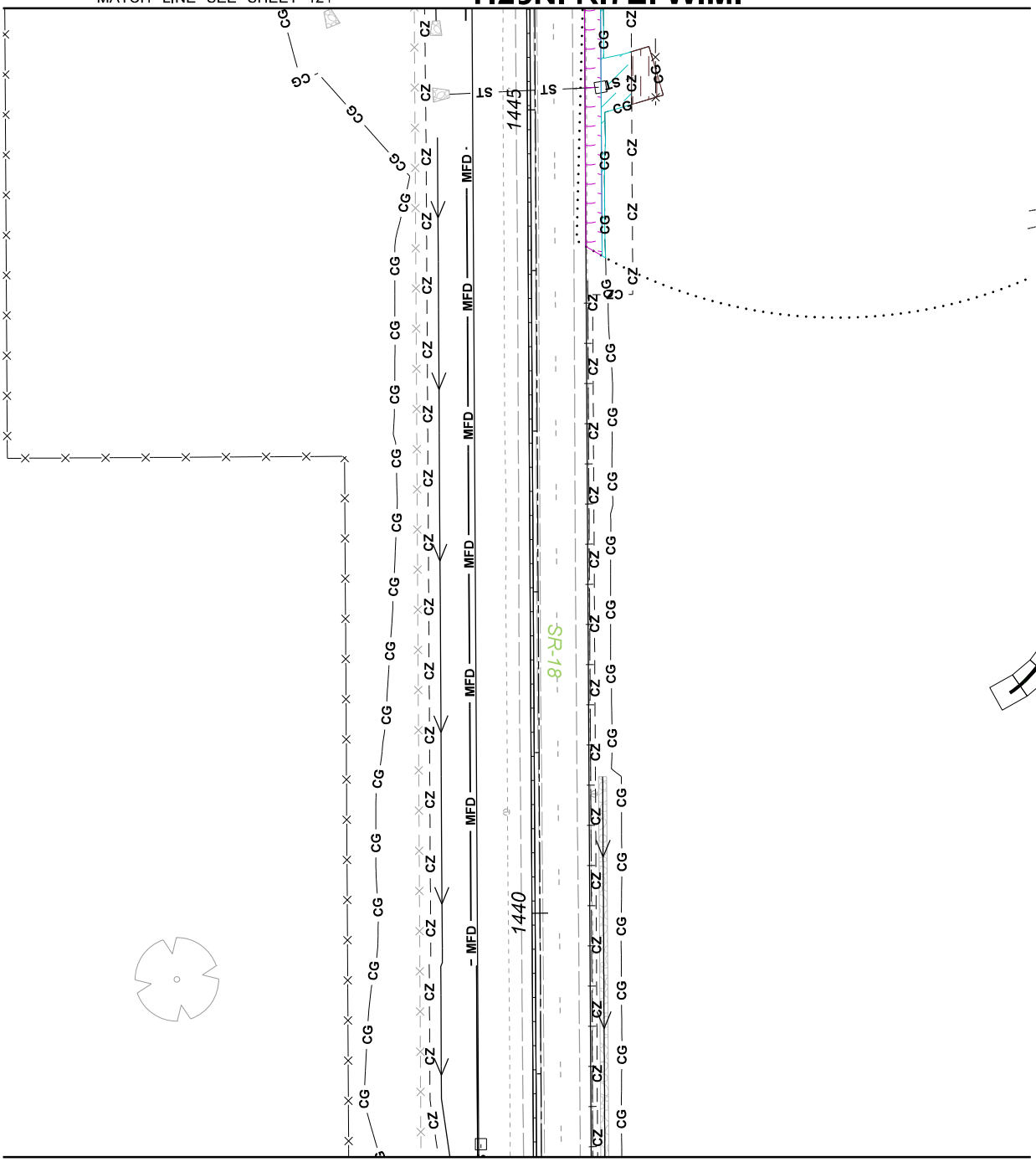
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
REVEGETATION SHEETS	DATE: JANUARY 20, 2022

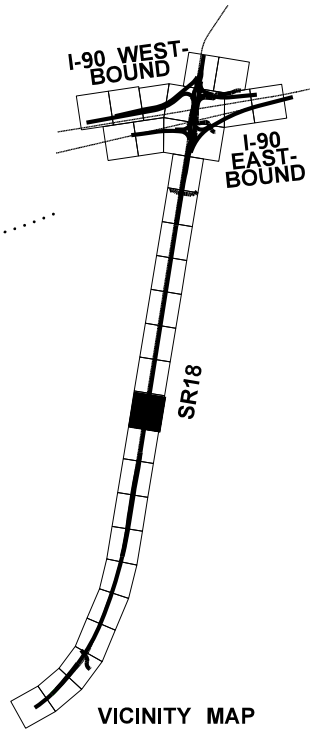
Washington State Department of Transportation

MATCH LINE SEE SHEET 121

T.23N. R.7E. W.M.



MATCH LINE SEE SHEET 123



VICINITY MAP

0 50 100
SCALE IN FEET

LEGEND

- MIX A - LOW GROWING SHRUB MIX - WETLAND
- MIX B - SHRUB MIX - WETLAND
- MIX C - TREE AND SHRUB MIX - WETLAND
- MIX D - LOW GROWING SHRUB MIX - BUFFER
- MIX E - SHRUB MIX - BUFFER
- MIX F - TREE AND SHRUB MIX - BUFFER
- MIX G - TREE AND SHRUB MIX - WET BUFFER
- MIX H - SHRUB MIX - WET BUFFER
- MIX I - STREAM BANK MIX - SEE NOTE 2
- STREAM BED MATERIAL
- RIPRAP MATERIAL
- DAMP AREA SEED MIX
- WILDFLOWER SEED MIX
- WETLAND BUFFER
- STREAM BUFFER
- OHW — ORDINARY HIGH WATER
- MFD — MFD — MEDIA FILTER DRAIN LINE
- DITCH LINE
- CG — CG — CG — CLEARING AND GRUBBING LINE
- PROPOSED FENCE LINE
- CZ — CZ — CZ — CLEAR ZONE LINE
- EXISTING EDGE OF PAVEMENT
- EWV — WETLAND

NOTES

1. FOR PLANT MIX DEFINITIONS, SEE SHEET 100 AND 101.
2. THE LIMITS OF MIX I - STREAM BANK MIX IS SCHEMATIC. THE ACTUAL LIMITS WILL FOLLOW THE PROPOSED DITCH/STREAM EDGE. FOR TYPICAL PLAN LAYOUT ALONG THE STREAM EDGE, SEE STREAM CROSS SECTION DETAIL ON SHEET 99.

PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

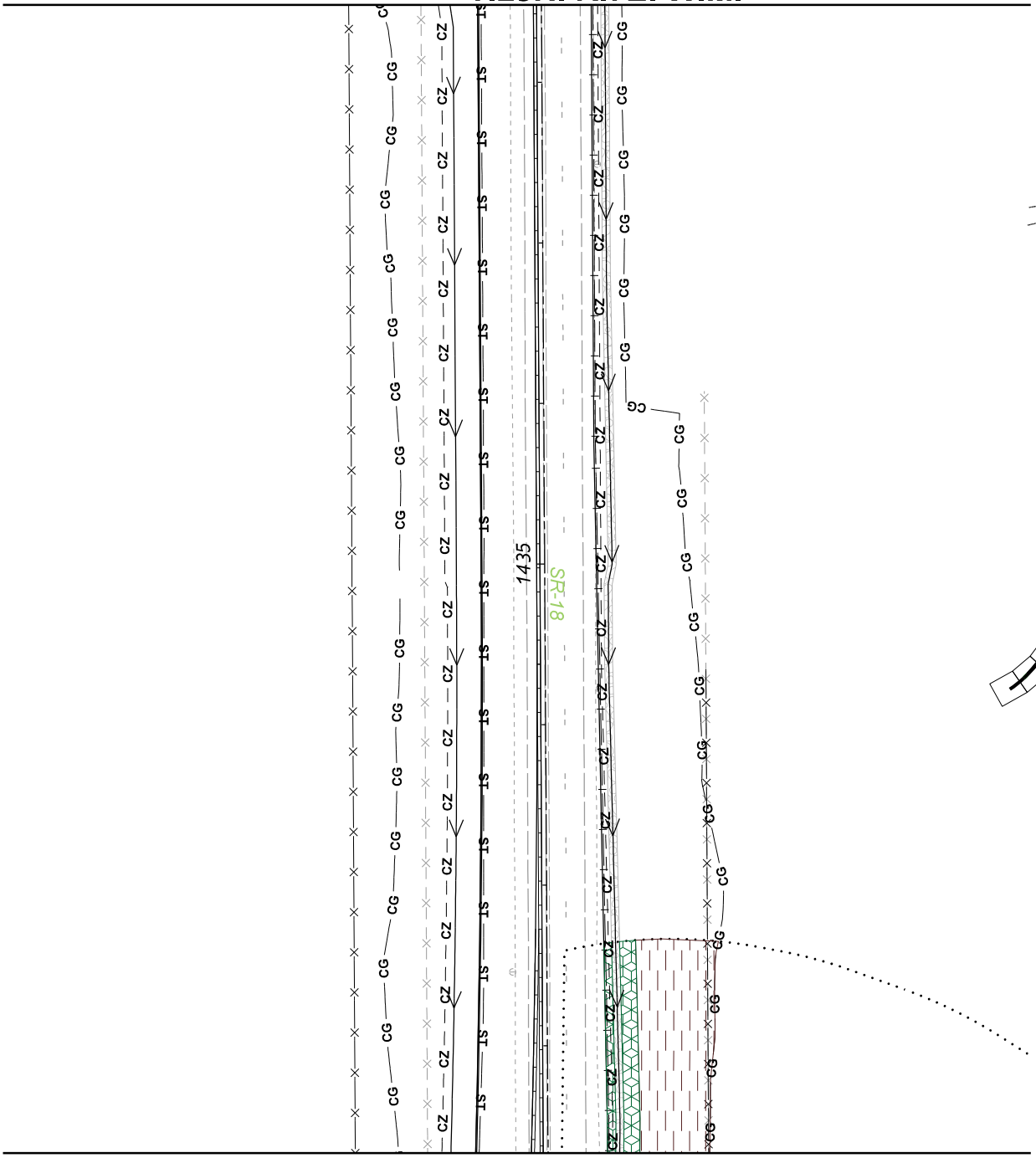
PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W|S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
REVEGETATION SHEETS	DATE: JANUARY 20, 2022

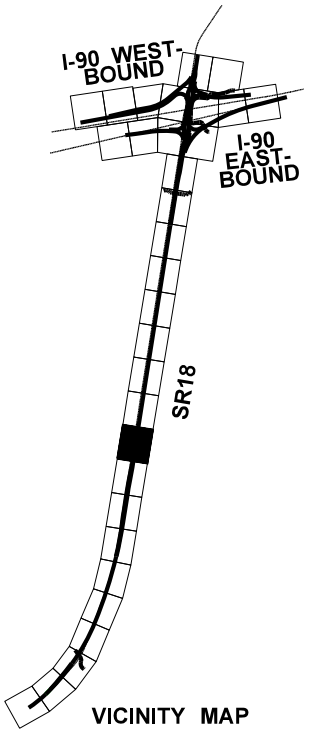
Washington State Department of Transportation

SHEET: 122 OF: 132

MATCH LINE SEE SHEET 122

T.23N. R.7E. W.M.





VICINITY MAP

0 50 100
SCALE IN FEET

LEGEND

- MIX A - LOW GROWING SHRUB MIX - WETLAND
- MIX B - SHRUB MIX - WETLAND
- MIX C - TREE AND SHRUB MIX - WETLAND
- MIX D - LOW GROWING SHRUB MIX - BUFFER
- MIX E - SHRUB MIX - BUFFER
- MIX F - TREE AND SHRUB MIX - BUFFER
- MIX G - TREE AND SHRUB MIX - WET BUFFER
- MIX H - SHRUB MIX - WET BUFFER
- MIX I - STREAM BANK MIX - SEE NOTE 2
- STREAM BED MATERIAL
- RIPRAP MATERIAL
- DAMP AREA SEED MIX
- WILDFLOWER SEED MIX
- WETLAND BUFFER
- STREAM BUFFER
- OHW — ORDINARY HIGH WATER
- MFD — MFE — MEDIA FILTER DRAIN LINE
- DITCH LINE
- CLEARING AND GRUBBING LINE
- PROPOSED FENCE LINE
- CLEAR ZONE LINE
- EXISTING EDGE OF PAVEMENT
- WETLAND

NOTES

1. FOR PLANT MIX DEFINITIONS, SEE SHEET 100 AND 101.
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PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
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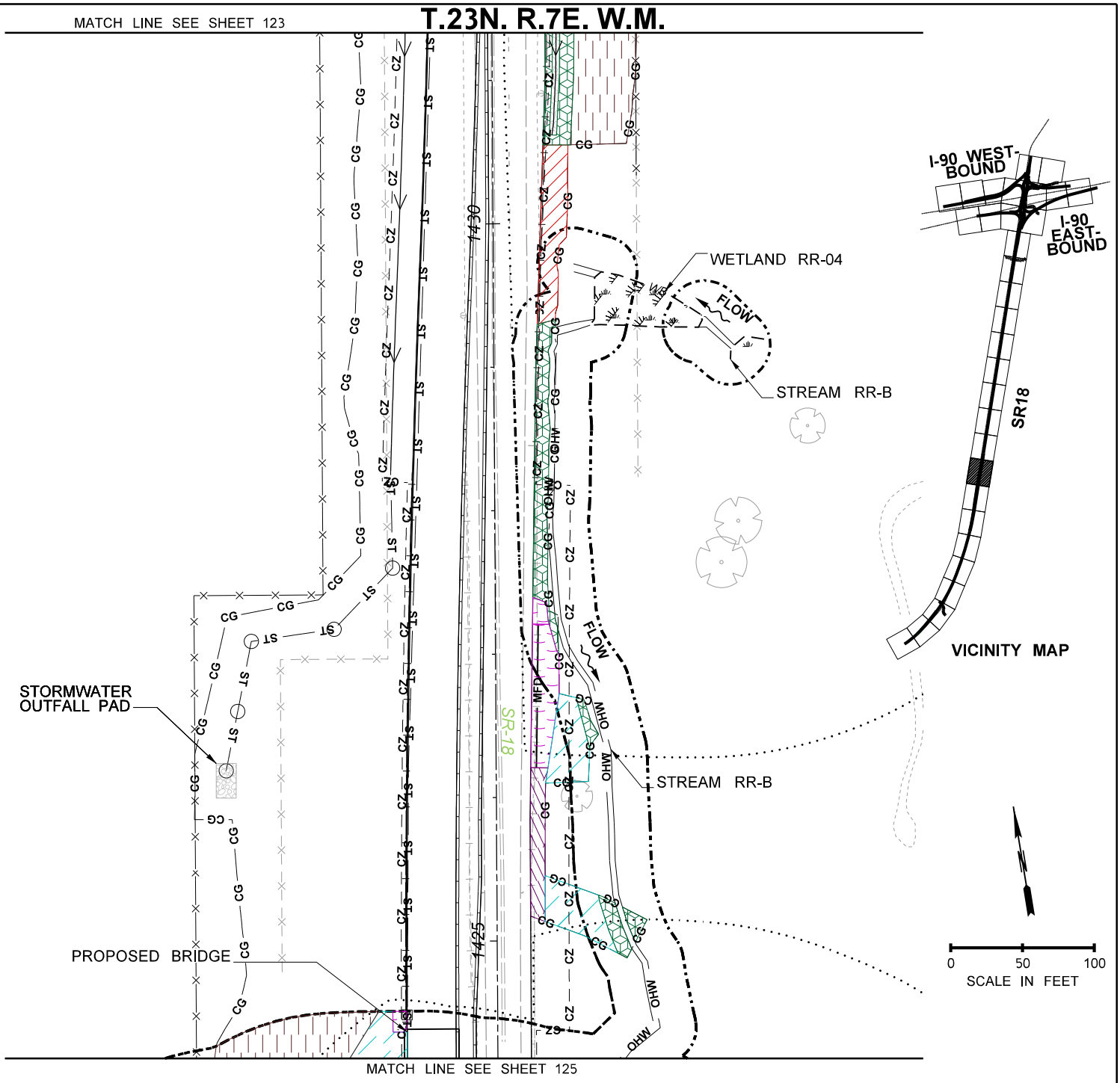
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
REVEGETATION SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 123 OF: 132



LEGEND

- MIX A - LOW GROWING SHRUB MIX - WETLAND
- MIX B - SHRUB MIX - WETLAND
- MIX C - TREE AND SHRUB MIX - WETLAND
- MIX D - LOW GROWING SHRUB MIX - BUFFER
- MIX E - SHRUB MIX - BUFFER
- MIX F - TREE AND SHRUB MIX - BUFFER
- MIX G - TREE AND SHRUB MIX - WET BUFFER
- MIX H - SHRUB MIX - WET BUFFER
- MIX I - STREAM BANK MIX - SEE NOTE 2
- STREAM BED MATERIAL
- RIPRAP MATERIAL
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- EXISTING EDGE OF PAVEMENT
- EW — WETLAND

NOTES

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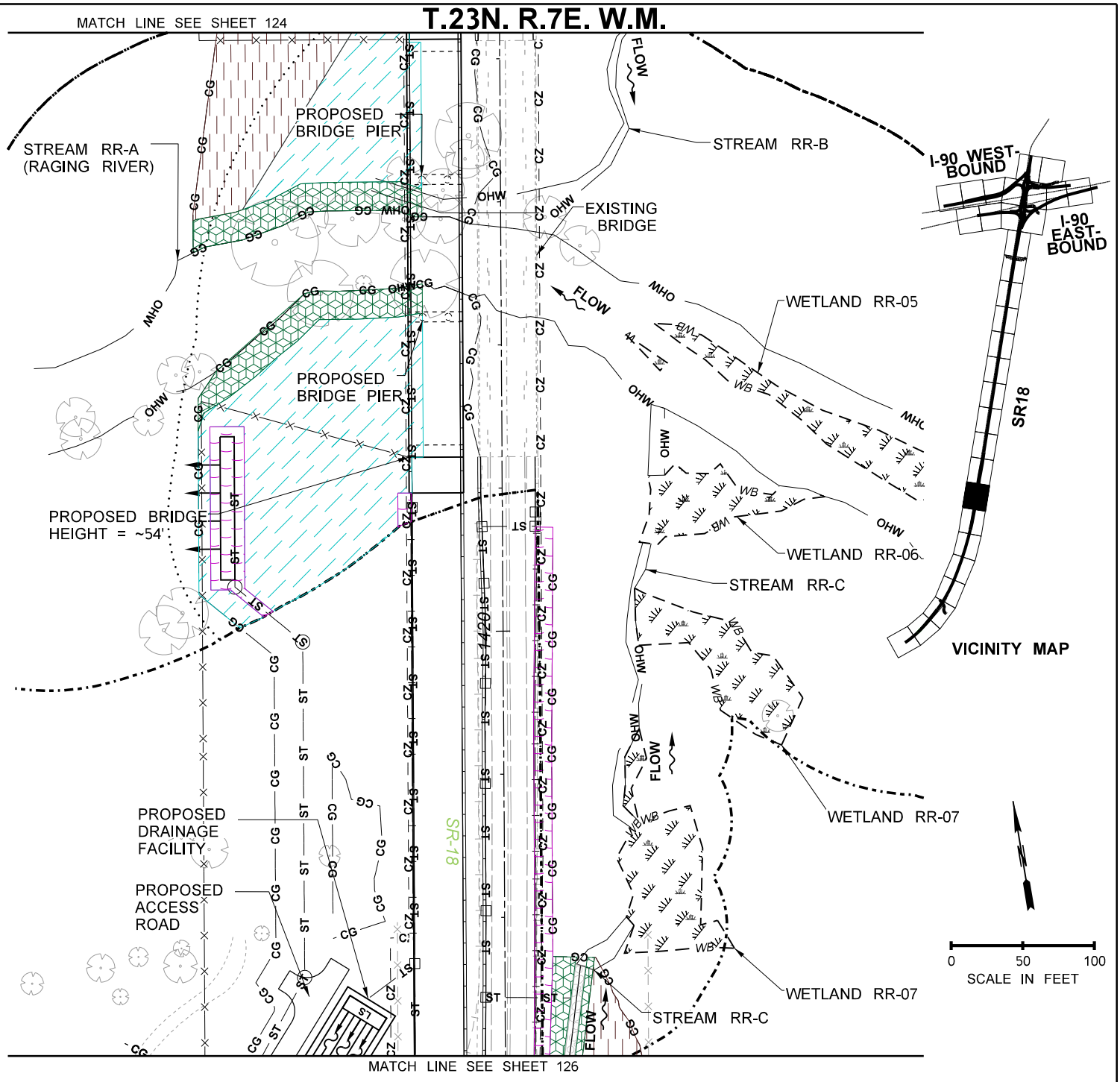
Washington State Department of Transportation



LEGEND

- MIX A - LOW GROWING SHRUB MIX - WETLAND
- MIX B - SHRUB MIX - WETLAND
- MIX C - TREE AND SHRUB MIX - WETLAND
- MIX D - LOW GROWING SHRUB MIX - BUFFER
- MIX E - SHRUB MIX - BUFFER
- MIX F - TREE AND SHRUB MIX - BUFFER
- MIX G - TREE AND SHRUB MIX - WET BUFFER
- MIX H - SHRUB MIX - WET BUFFER
- MIX I - STREAM BANK MIX - SEE NOTE 2
- STREAM BED MATERIAL
- RIPRAP MATERIAL
- DAMP AREA SEED MIX
- WILDFLOWER SEED MIX
- WETLAND
- WETLAND BUFFER
- STREAM BUFFER
- ORDINARY HIGH WATER
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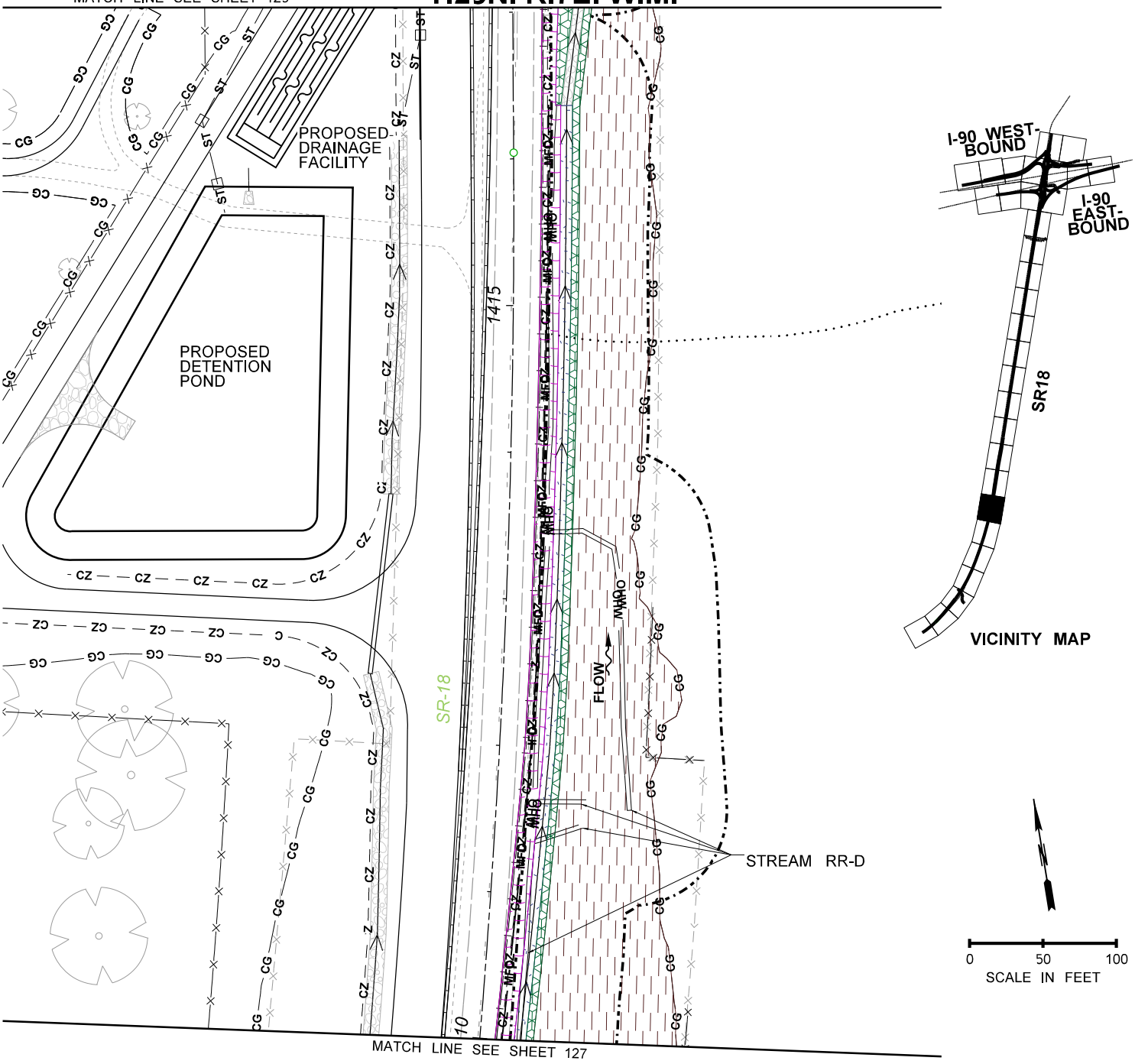
REVEGETATION SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 125 OF: 132

T.23N. R.7E. W.M.



LEGEND

- MIX A - LOW GROWING SHRUB MIX - WETLAND
- MIX B - SHRUB MIX - WETLAND
- MIX C - TREE AND SHRUB MIX - WETLAND
- MIX D - LOW GROWING SHRUB MIX - BUFFER
- MIX E - SHRUB MIX - BUFFER
- MIX F - TREE AND SHRUB MIX - BUFFER
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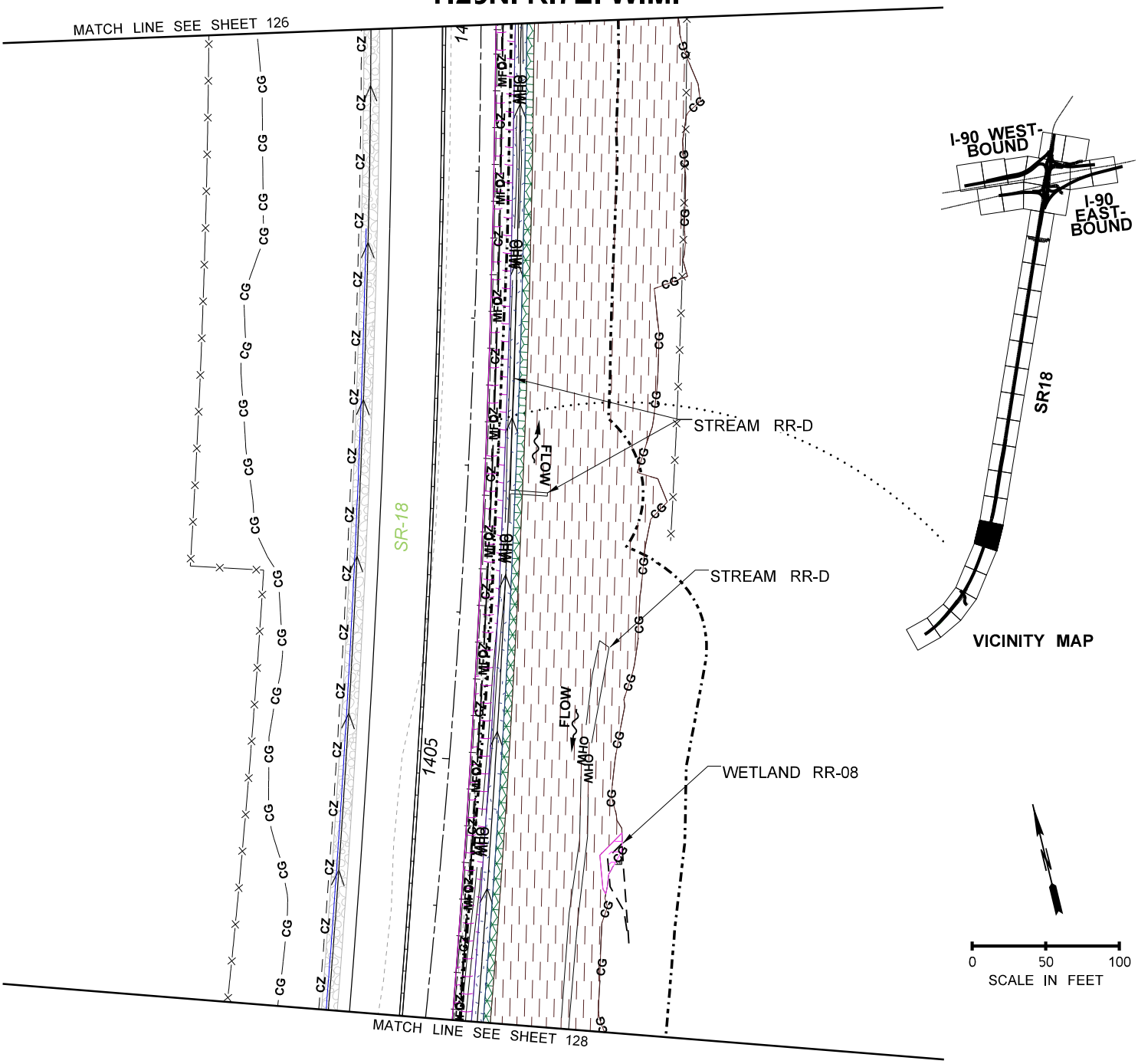
Washington State Department of Transportation

T.23N. R.7E. W.M.



LEGEND

- MIX A - LOW GROWING SHRUB MIX - WETLAND
- MIX B - SHRUB MIX - WETLAND
- MIX C - TREE AND SHRUB MIX - WETLAND
- MIX D - LOW GROWING SHRUB MIX - BUFFER
- MIX E - SHRUB MIX - BUFFER
- MIX F - TREE AND SHRUB MIX - BUFFER
- MIX G - TREE AND SHRUB MIX - WET BUFFER
- MIX H - SHRUB MIX - WET BUFFER
- MIX I - STREAM BANK MIX - SEE NOTE 2
- STREAM BED MATERIAL
- RIPRAP MATERIAL
- DAMP AREA SEED MIX
- WILDFLOWER SEED MIX
- WETLAND BUFFER
- STREAM BUFFER
- OHW — ORDINARY HIGH WATER
- MFD — MFC — MEDIA FILTER DRAIN LINE
- DITCH LINE
- CG — CLEARING AND GRUBBING LINE
- PROPOSED FENCE LINE
- CZ — CLEAR ZONE LINE
- EXISTING EDGE OF PAVEMENT
- EW — WETLAND

NOTES

1. FOR PLANT MIX DEFINITIONS, SEE SHEET 100 AND 101.
2. THE LIMITS OF MIX I - STREAM BANK MIX IS SCHEMATIC. THE ACTUAL LIMITS WILL FOLLOW THE PROPOSED DITCH/STREAM EDGE. FOR TYPICAL PLAN LAYOUT ALONG THE STREAM EDGE, SEE STREAM CROSS SECTION DETAIL ON SHEET 99.

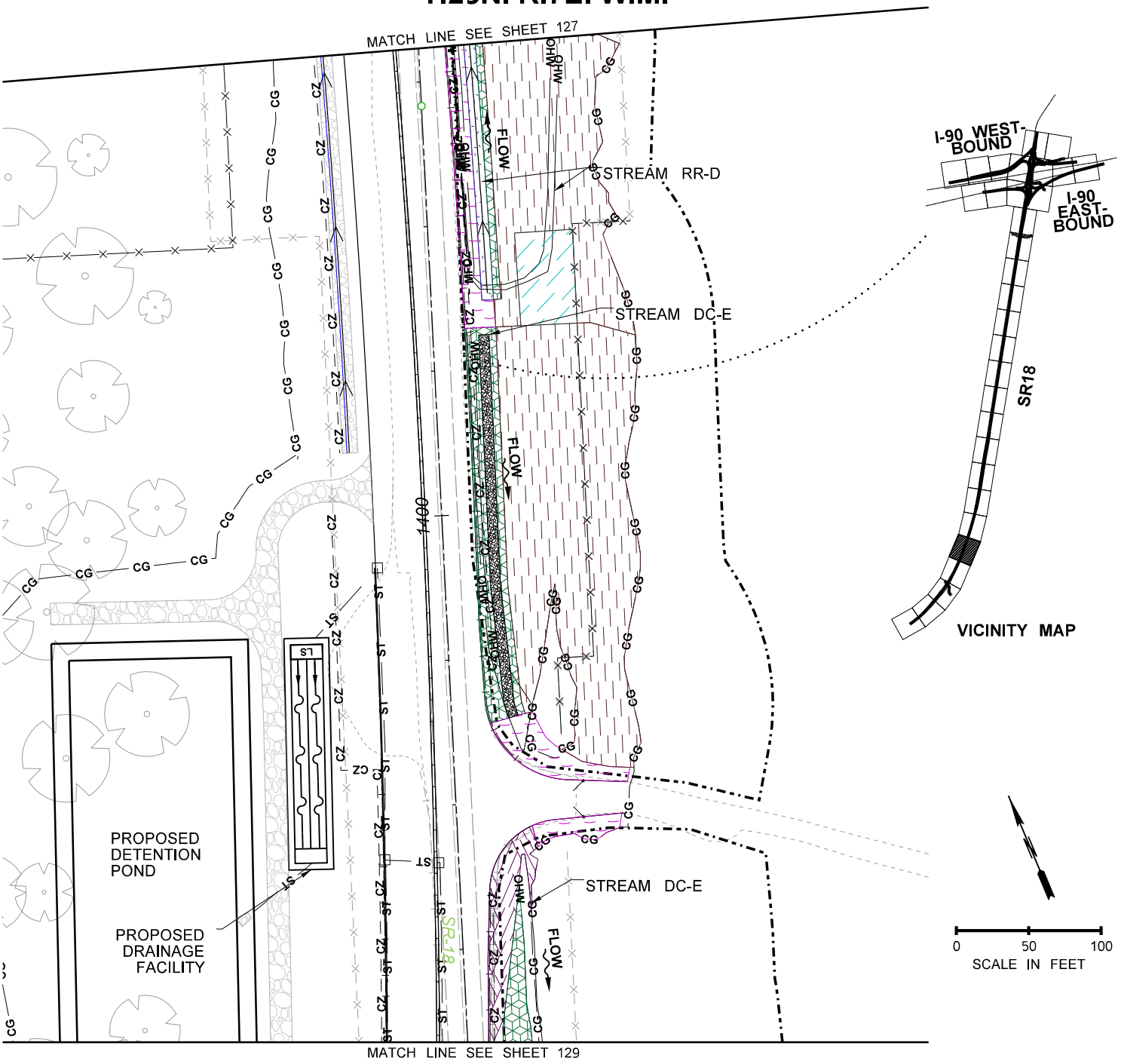
PROJECT DATA	
FISH WINDOW	JUL 1 – SEPT 15

PROJECT NAME: I-90/SR 18 I/C TO DEEP CREEK – INTERCHANGE IMPROVEMENTS & WIDENING	
PURPOSE: ROADWAY, SAFETY, AND FISH PASSAGE IMPROVEMENTS	REFERENCE: NWS–2019–115
PROPOSED: TRANSPORTATION IMPROVEMENTS	APPLICANT: WSDOT
LOCATION: N: 47.507518N, 121.883919W|S: 47.475283N, 121.895138W	COUNTY: KING
DATUM: NAD83 /NAVD88	NEAR: SNOQUALMIE, WA
ADJACENT PROPERTY OWNERS: SEE JARPA	WATER BODY: RAGING RIVER AND STREAMS
REVEGETATION SHEETS	DATE: JANUARY 20, 2022

Washington State Department of Transportation

SHEET: 127 OF: 132

T.23N. R.7E. W.M.



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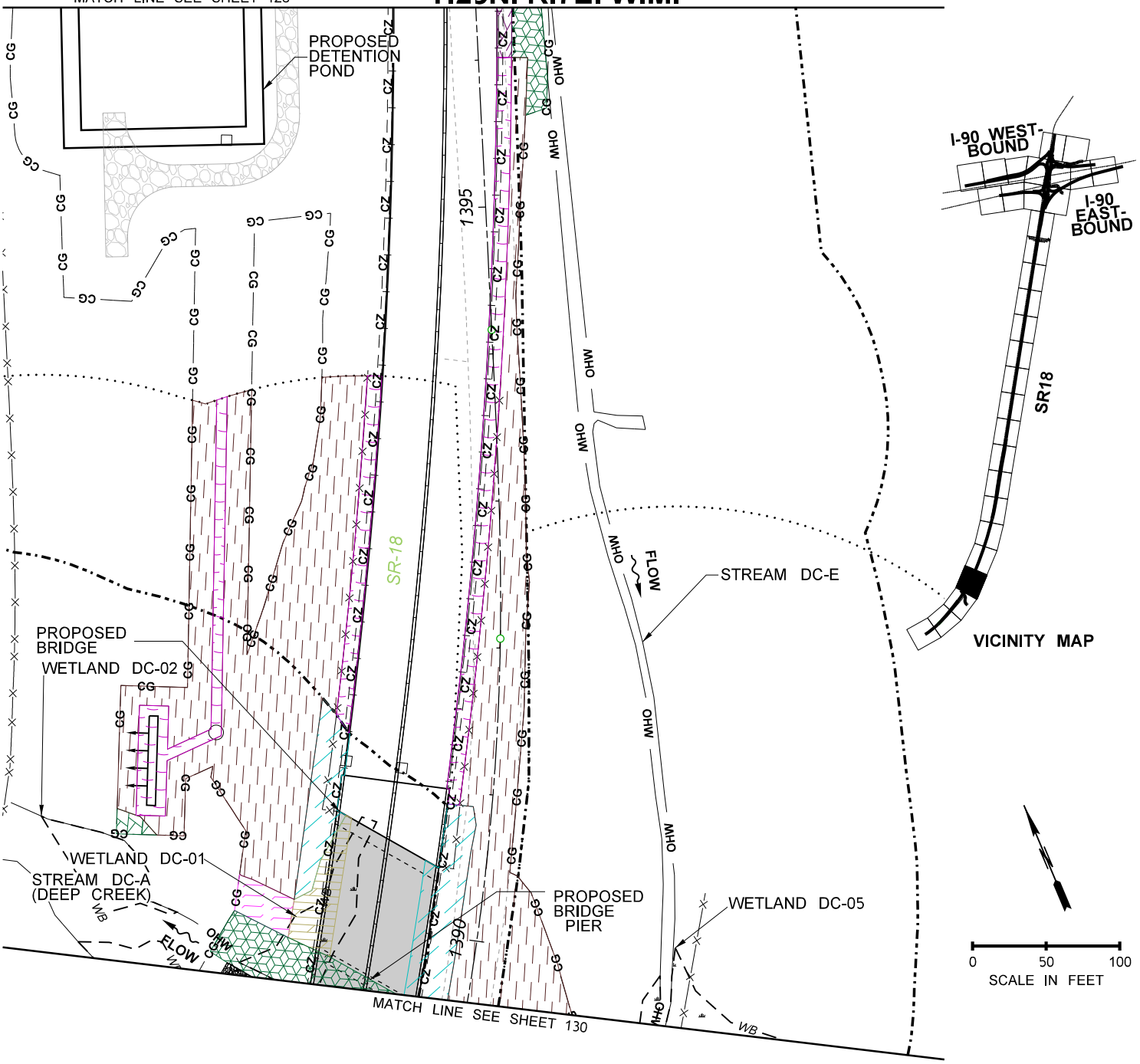

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- MIX B - SHRUB MIX - WETLAND
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Washington State Department of Transportation

SHEET: 129 OF: 132

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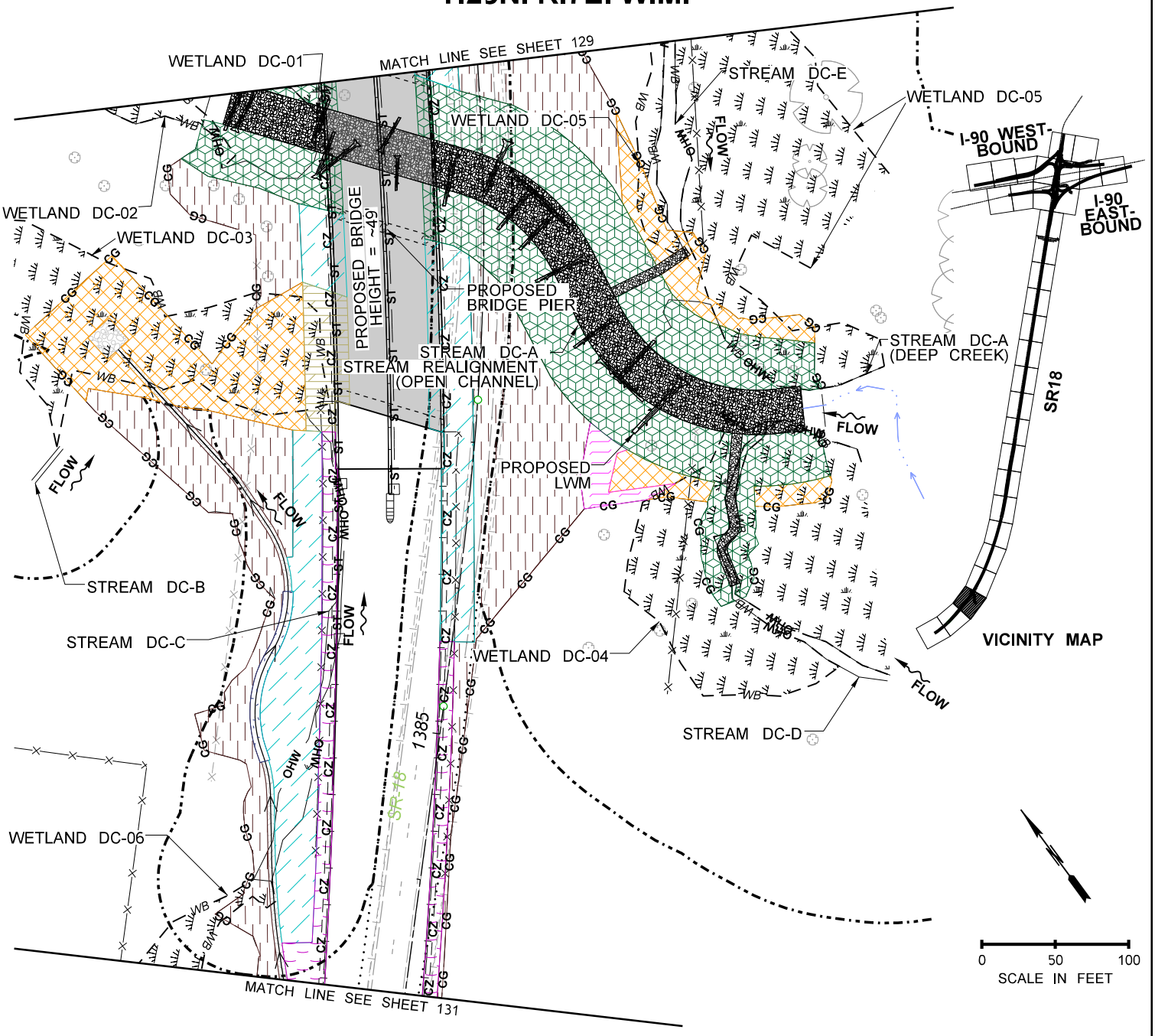

GENERAL NOTE:

1. LOCATION AND ORIENTATION OF LARGE WOODY MATERIAL (LWM) STRUCTURES AS SHOWN ON SHEET ARE APPROXIMATE AND WILL BE STAKED IN THE FIELD BY THE ENGINEER.

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SHEET: 130 OF: 132

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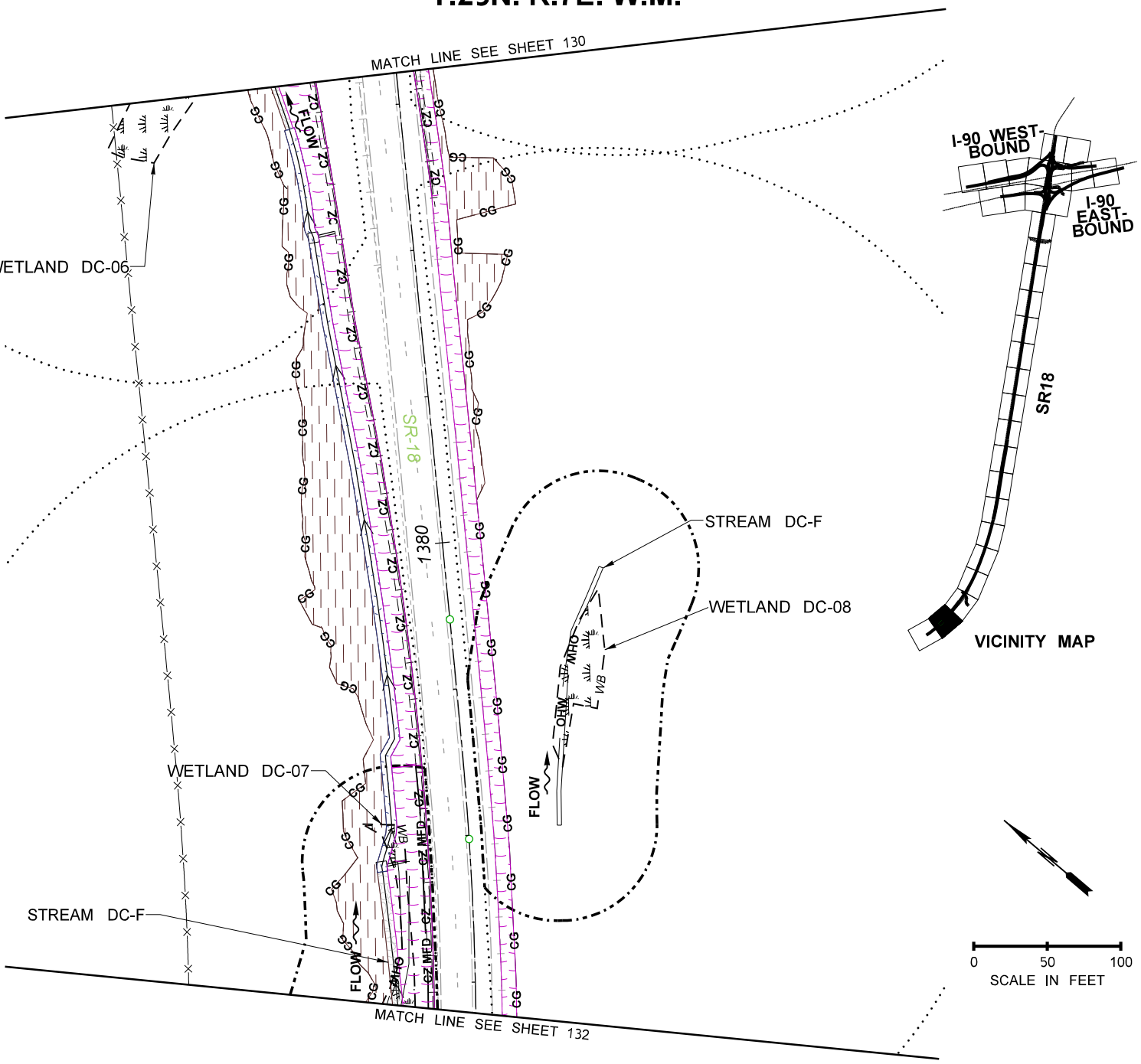

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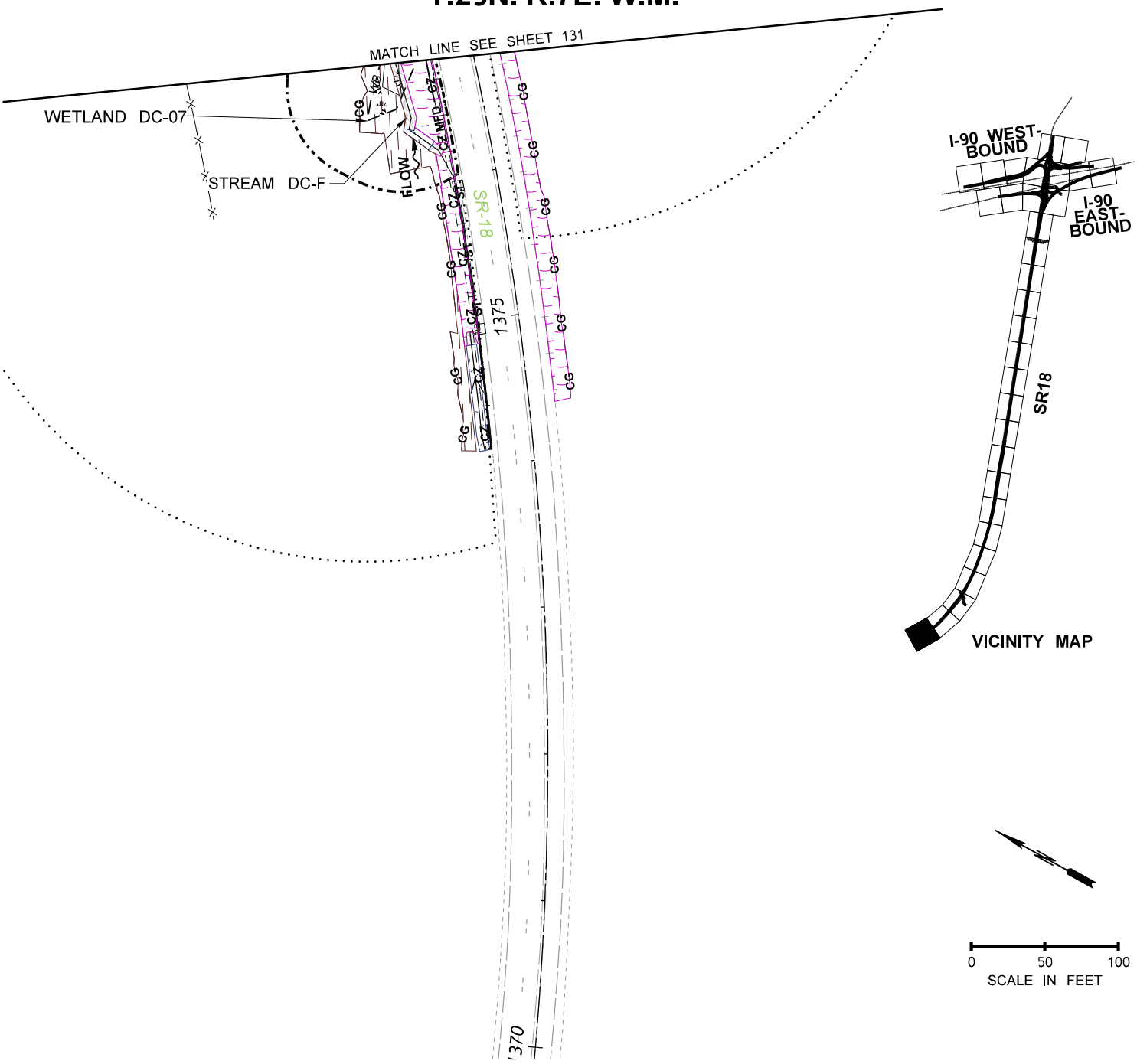

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SHEET: 132 OF: 132