

NOT FOR CONSTRUCTION

WOLF WATER RESOURCES, INC.
1001 SE WATER AVE, SUITE #180
PORTLAND, OR 97214
503.207.6886

CONFEDERATED TRIBES OF THE
UMATILLA INDIAN RESERVATION
46411 Timine Way
Pendleton, OR 97801
541.429.7010

CTUIR
TUCANNON RIVER
PROJECT AREA 27/28
PHASE 2
COLUMBIA COUNTY, WA

PREFERRED ALTERNATIVE
PLAN & PROFILE

REVISION NUMBER

No.	Date	Revision
X	DATE	NOTE

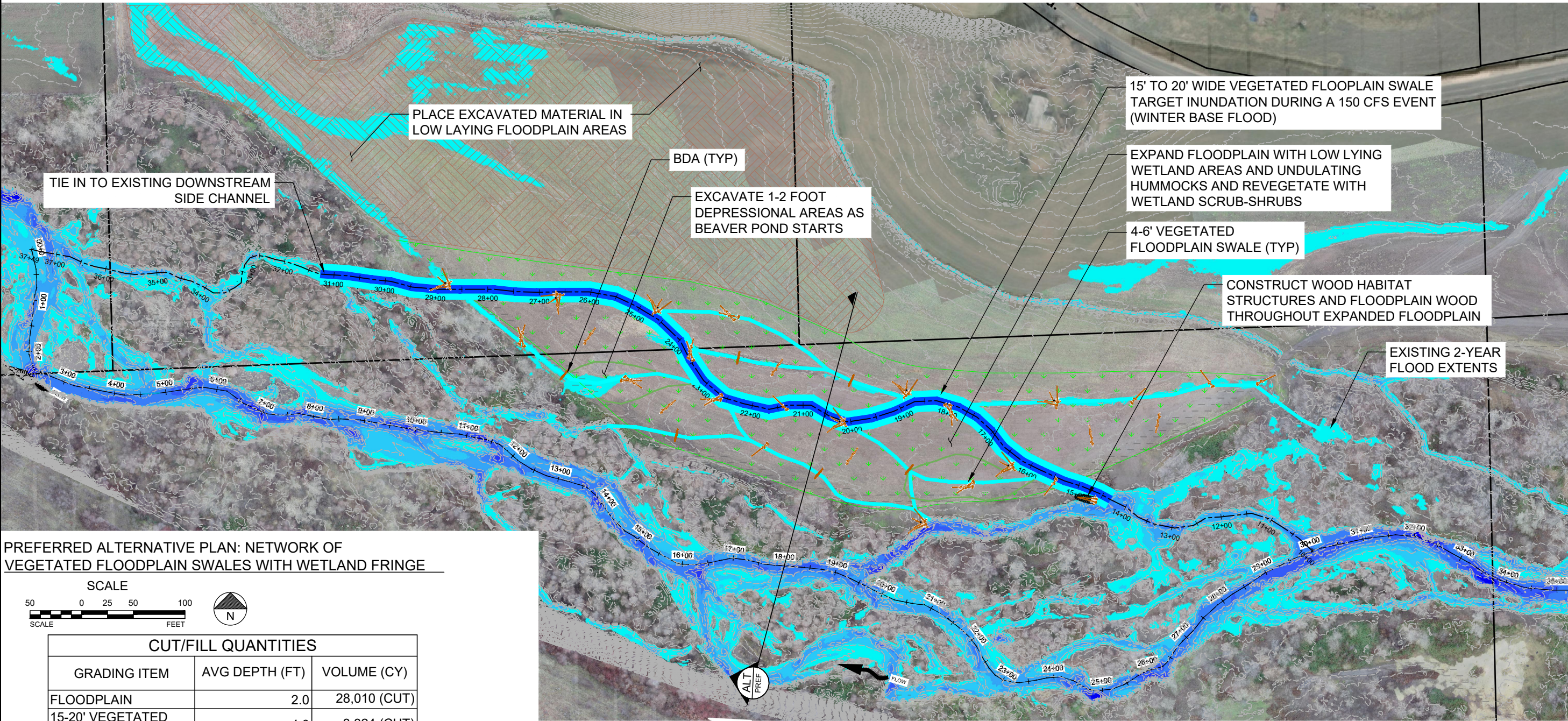
Date	07/2022	Designed By	AJ
Drawn By	LH, AD	Checked By	MW, AJ

SCALE
0 1"

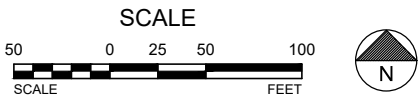
JOB NO.
201900026

SHEET NO.
ALT PREF PLAN

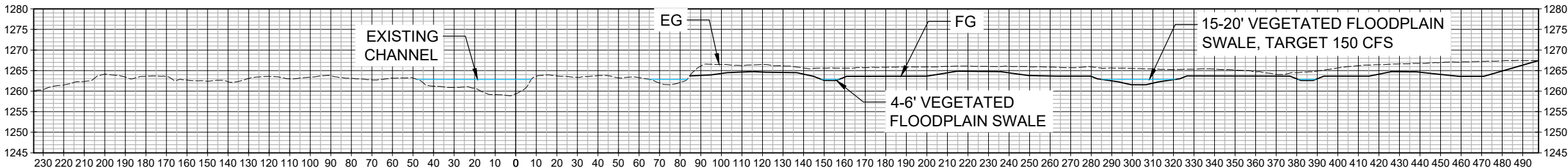
1 OF 1



PREFERRED ALTERNATIVE PLAN: NETWORK OF
VEGETATED FLOODPLAIN SWALES WITH WETLAND FRINGE



CUT/FILL QUANTITIES		
GRADING ITEM	AVG DEPTH (FT)	VOLUME (CY)
FLOODPLAIN	2.0	28,010 (CUT)
15-20' VEGETATED FLOODPLAIN SWALE	4.0	3,324 (CUT)
4-6' VEGETATED FLOODPLAIN SWALES	3.0	1,333 (CUT)
FLOODPLAIN FILL	1.8	32,667 (FILL)
NET TOTAL		0



PREFERRED ALTERNATIVE PROFILE: NETWORK OF VEGETATED FLOODPLAIN SWALES WITH WETLAND FRINGE

SCALE: 1"=30'
VERTICAL EXAGGERATION= 2:1

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**TUCANNON RIVER
PROJECT AREA 27/28
PHASE 2
COLUMBIA COUNTY, WA**

ALTERNATIVE 1 PLAN & PROFILE


REVISION NUMBER

Date	Revision
DATE	NOTE

Designed By AJ	
Checked By MW, AJ	

SCALE

0 1"



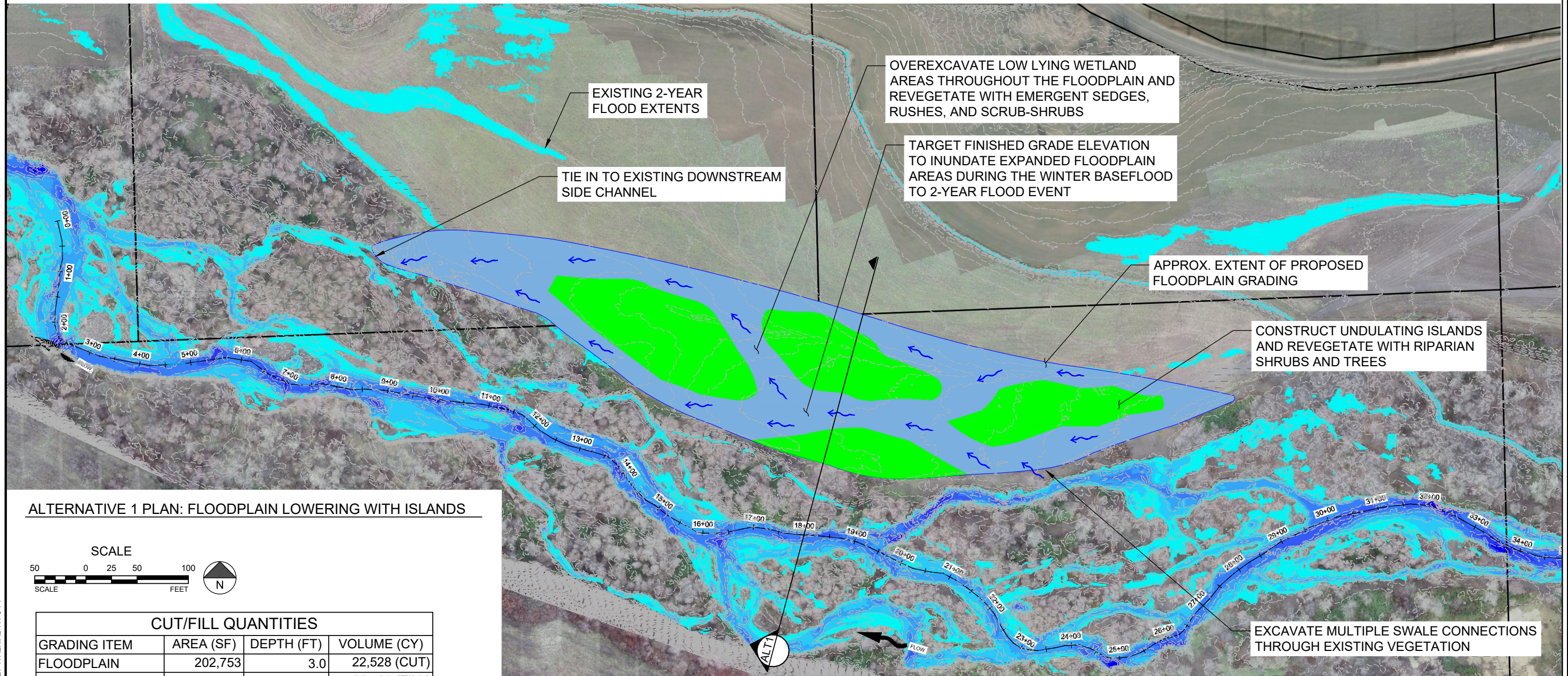
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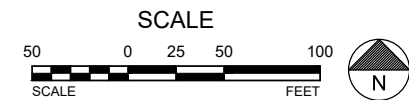
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ALT 1 PLAN

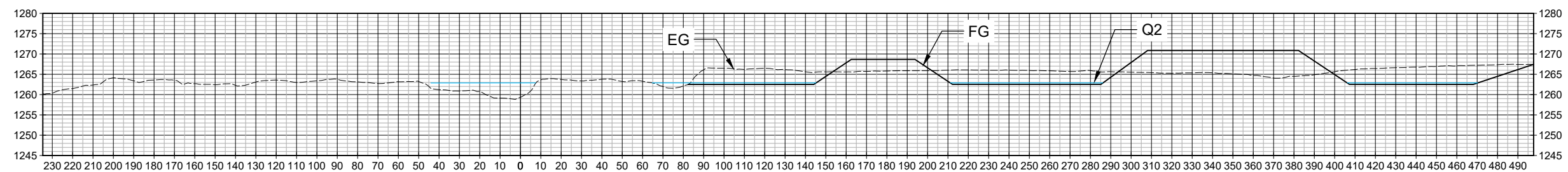
1 OF 3



ALTERNATIVE 1 PLAN: FLOODPLAIN LOWERING WITH ISLANDS



CUT/FILL QUANTITIES			
GRADING ITEM	AREA (SF)	DEPTH (FT)	VOLUME (CY)
FLOODPLAIN	202,753	3.0	22,528 (CUT)
ISLANDS	138,134	4.4	22,528 (FILL)
NET TOTAL			0



ALTERNATIVE 1 PROFILE: FLOODPLAIN LOWERING WITH ISLANDS

SCALE: 1"=30'
VERTICAL EXAGGERATION= 2:1

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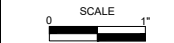
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PROJECT AREA 27/28
PHASE 2
COLUMBIA COUNTY, WA

ALTERNATIVE 2 PLAN & PROFILE

REVISION NUMBER

No.	Date	Revision
X	DATE	NOTE

Date	07/2022	Designed By	AJ
Drawn By	LH, AD	Checked By	MW, AJ



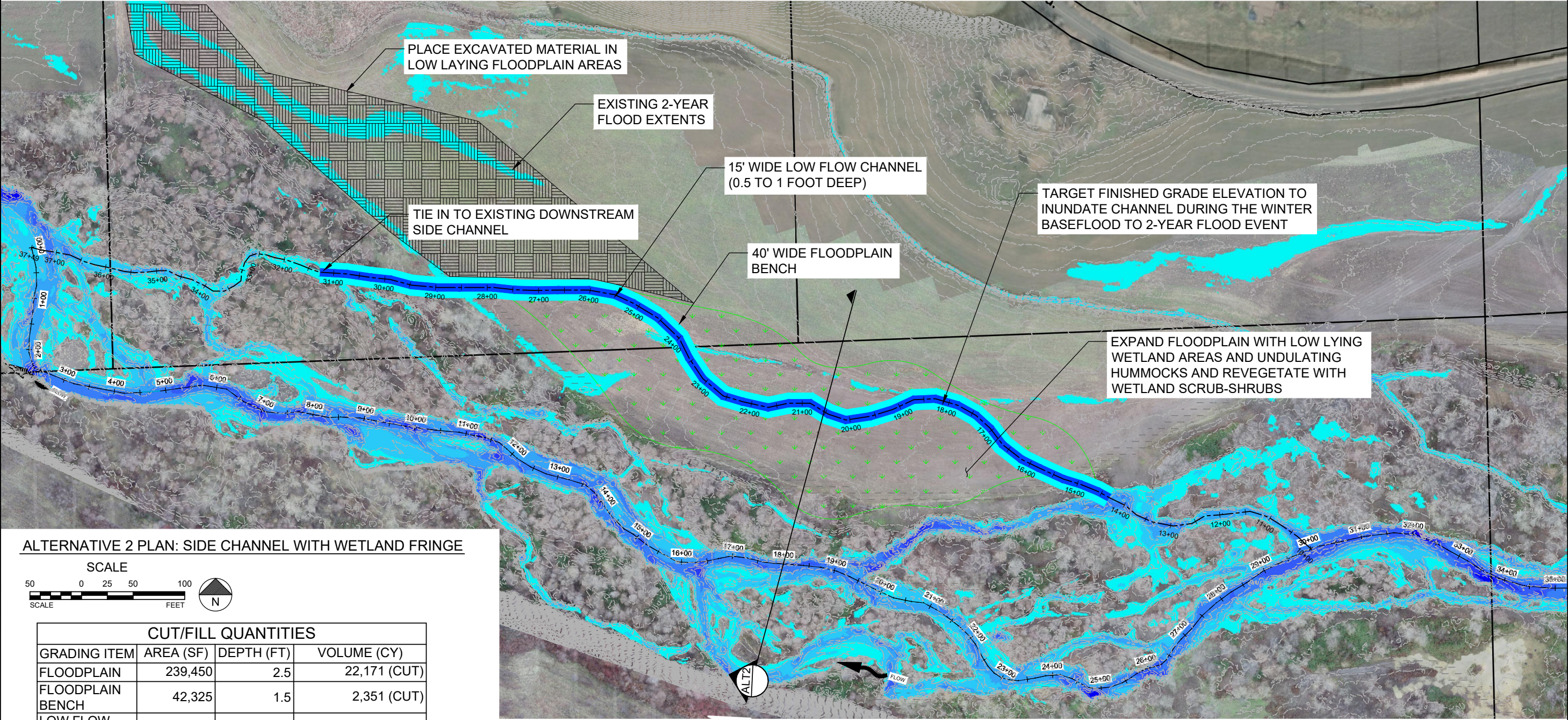
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201900026

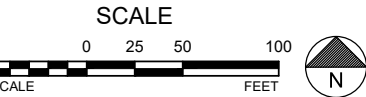
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ALT 2 PLAN

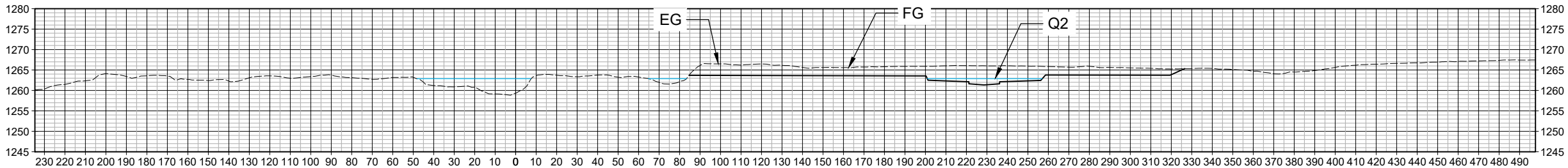
2 OF 3



ALTERNATIVE 2 PLAN: SIDE CHANNEL WITH WETLAND FRINGE



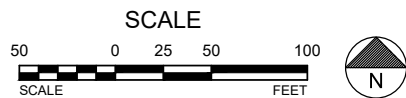
CUT/FILL QUANTITIES			
GRADING ITEM	AREA (SF)	DEPTH (FT)	VOLUME (CY)
FLOODPLAIN	239,450	2.5	22,171 (CUT)
FLOODPLAIN BENCH	42,325	1.5	2,351 (CUT)
LOW FLOW CHANNEL	25,395	0.8	752 (CUT)
FLOODPLAIN FILL	184,833	3.7	25,274 (FILL)
NET TOTAL			0



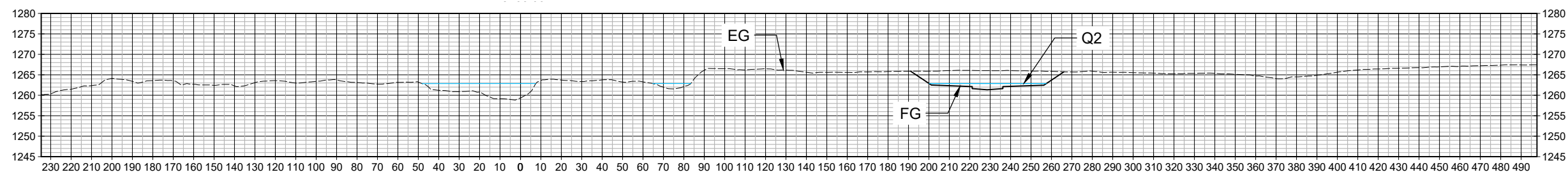
ALTERNATIVE 2 PROFILE: SIDE CHANNEL WITH WETLAND FRINGE

SCALE: 1"=30'
VERTICAL EXAGGERATION= 2:1

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DATE: Jul 07, 2022 11:02am XREFS: X-TB-22X34 X-DESIGN X-SURVEY-2022 X-AERIAL X-FG-FT
USER: thamilton



CUT/FILL QUANTITIES			
GRADING ITEM	AREA (SF)	DEPTH (FT)	VOLUME (CY)
FLOODPLAIN BENCH	42,325	4.0	6,270 (CUT)
LOW FLOW CHANNEL	25,395	0.8	752 (CUT)
FLOODPLAIN FILL	184,833	1.0	7,022 (FILL)
NET TOTAL			0



ALTERNATIVE 3 PROFILE: SIDE CHANNEL WITH LOW BENCH

SCALE: 1"=30'
VERTICAL EXAGGERATION= 2:1