

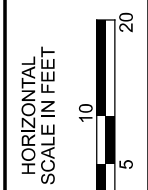
HYDRAULIC DATA

DRAINAGE AREA = 322.5 ACRES
 Q(25) = 211 CFS - V(25) = 10.4 FPS - HW(25) = 898.07 FT
 Q(100) = 317 CFS - V(100) = 11.6 FPS - HW(100) = 899.21 FT
 ORDINARY HIGH WATER MARK: 893.1 FT
 DESIGN SERVICE LIFE: 75 YRS
 pH: 8
 ABRASION LEVEL: 1
 CFN:

EXISTING STRUCTURE
TYPE: 5' x 4' CONCRETE BOX
SKREW: 30° R.F.
ALIGNMENT: TANGENT
CFN: 1832878

PROPOSED STRUCTURE
TYPE: 72" CONCRETE PIPE
SKREW: 30° R.F.
ALIGNMENT: TANGENT
CFN:

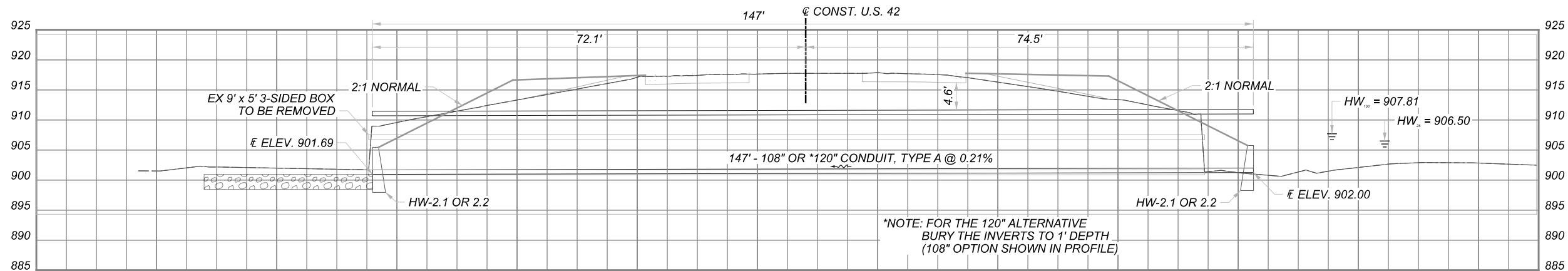
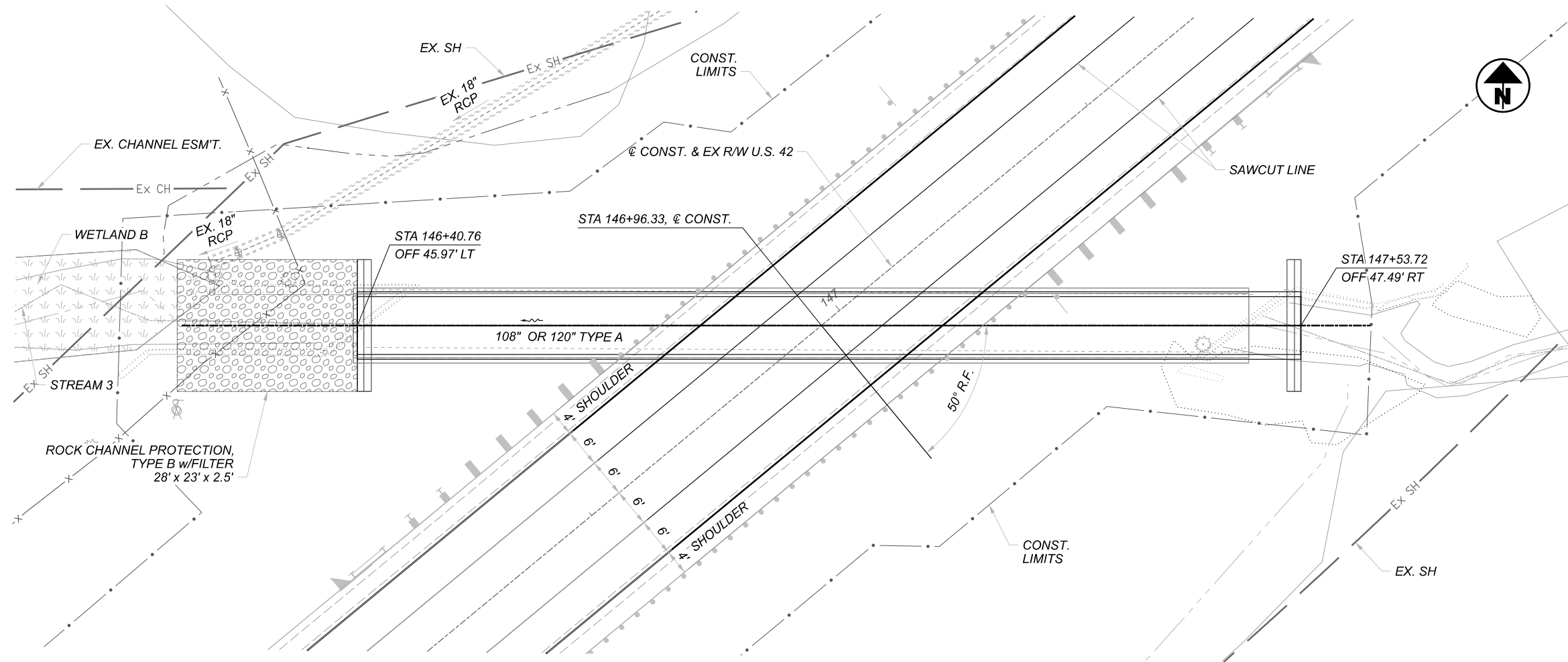
ESTIMATED QUANTITIES				
ITEM	EXTENSION	UNIT	QUANTITY	DESCRIPTION
202	11000	LS	1	STRUCTURE REMOVED
601	32100	CY	26.4	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER
602	20000	CY	6.7	CONCRETE MASONRY
611	26000	FT	79	72" CONDUIT, TYPE A, 706.02 OR 78" CONDUIT, TYPE A, 707.01 OR 707.02 (ALUMINIZED) (0.109) OR 707.04 (0.109)



CULVERT 3 DETAIL
U.S. 42 STA. 129+92.70



DESIGNER	JAB
REVIEWER	
ENB 09/27/21	
PROJECT ID	109074
SHEET	TOTAL
148	153



HYDRAULIC DATA

DRAINAGE AREA = 280.6 ACRES
 Q(25) = 182 CFS - V(25) = 8.4 FPS - HW(25) = 906.50 FT
 Q(100) = 273 CFS - V(100) = 9.6 FPS - HW(100) = 907.81 FT
 ORDINARY HIGH WATER MARK: 903.12 FT
 DESIGN SERVICE LIFE: 75 YRS
 pH: 8
 ABRASION LEVEL: 1
 CFN:

EXISTING STRUCTURE
TYPE: 9' x 5' 3-SIDED BOX
SKEW: 50° R.F.
ALIGNMENT: TANGENT
SFN: 2101750

PROPOSED STRUCTURE
TYPE: 108" CONDUIT, TYPE A
SKEW: 50° R.F.
ALIGNMENT: TANGENT
CFN:

ESTIMATED QUANTITIES				
ITEM	EXTENSION	UNIT	QUANTITY	DESCRIPTION
202	11000	LS	1	STRUCTURE REMOVED
601	32100	CY	59.6	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER
602	20000	CY	16.8	CONCRETE MASONRY
611	26000	FT	147	108" CONDUIT, TYPE A, 706.02 OR 120" CONDUIT, TYPE A, 707.01 OR 707.02 (ALUMINIZED) (0.109), 707.04 (0.109)



CULVERT 3A DETAIL
 U.S. 42 STA. 146+96.33

DESIGN AGENCY

 DESIGNER: JAB
 REVIEWER: ENB 09/27/21
 PROJECT ID: 109074
 SHEET: 149 TOTAL: 153