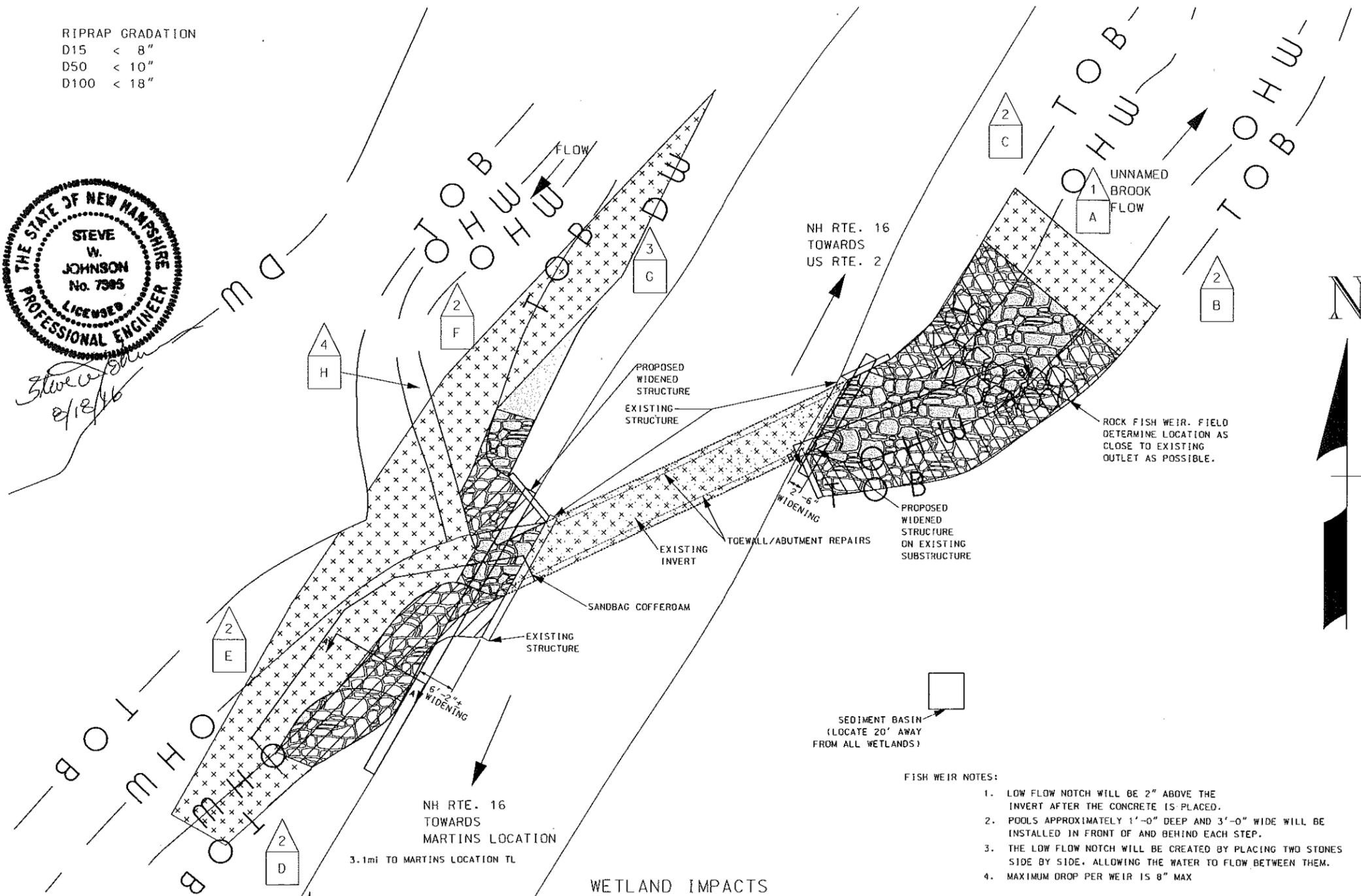


RIPRAP GRADATION
 D15 < 8"
 D50 < 10"
 D100 < 18"



Steve W. Johnson
 8/18/16



WETLAND IMPACT SUMMARY					
WETLAND NUMBER	WETLAND CLASSIFICATION	LOCATION	AREA		
			PERMANENT IMPACTS		TEMPORARY IMPACTS
			N.H.W.B. (NON-WETLAND) SF	N.H.W.B. & A.C.O.E. (WETLAND) SF	
1	R2UB1	A		672	1132
2	BANK	B	357		75
2	BANK	C	192		85
2	BANK	D	356		116
2	BANK	E			361
2	BANK	F	110		244
3	PFO1E	G		126	345
4	R4SB3	H			90

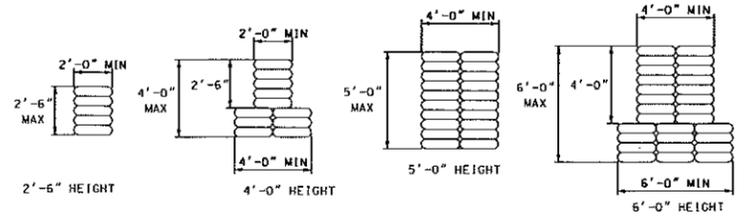
PERMANENT IMPACTS: 1813 SF
 TEMPORARY IMPACTS: 2448 SF
 TOTAL IMPACTS: 4261 SF

WETLAND CLASSIFICATION CODES	
R2UB1	RIVERINE, LOWER PERENNIAL, UNCONSOLIDATED BOTTOM, COBBLE GRAVEL
R4SB3	RIVERINE, INTERMITTENT, STREAMBED, COBBLE GRAVEL
PFO1E	PALUSTRINE, FORESTED, BROAD-LEAVED DECIDUOUS, SEASONALLY FLOODED/SATURATED

LEGEND

TYPE OF WETLAND IMPACT	SHADING/HATCHING	Symbol	Description
NEW HAMPSHIRE WETLANDS BUREAU (PERMANENT NON-WETLAND)	Diagonal lines	#	WETLAND DESIGNATION NUMBER
NEW HAMPSHIRE WETLANDS BUREAU & ARMY CORP OF ENGINEERS (PERMANENT WETLAND)	Stippled	#	WETLAND IMPACT LOCATION
TEMPORARY IMPACTS	Grid pattern	#	WETLAND MITIGATION AREA
		Box	MITIGATION

- FISH WEIR NOTES:
1. LOW FLOW NOTCH WILL BE 2" ABOVE THE INVERT AFTER THE CONCRETE IS PLACED.
 2. POOLS APPROXIMATELY 1'-0" DEEP AND 3'-0" WIDE WILL BE INSTALLED IN FRONT OF AND BEHIND EACH STEP.
 3. THE LOW FLOW NOTCH WILL BE CREATED BY PLACING TWO STONES SIDE BY SIDE, ALLOWING THE WATER TO FLOW BETWEEN THEM.
 4. MAXIMUM DROP PER WEIR IS 8" MAX



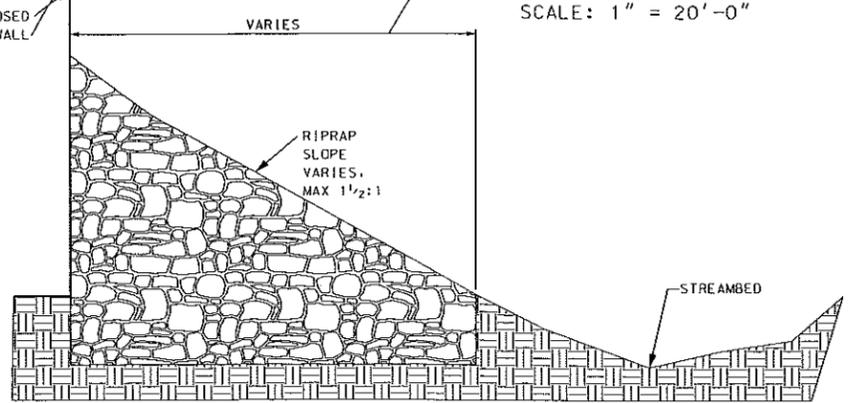
COFFERDAM DETAILS

NOT TO SCALE

WETLANDS DELINEATED BY A. WEATHERBEE ON 12/2015

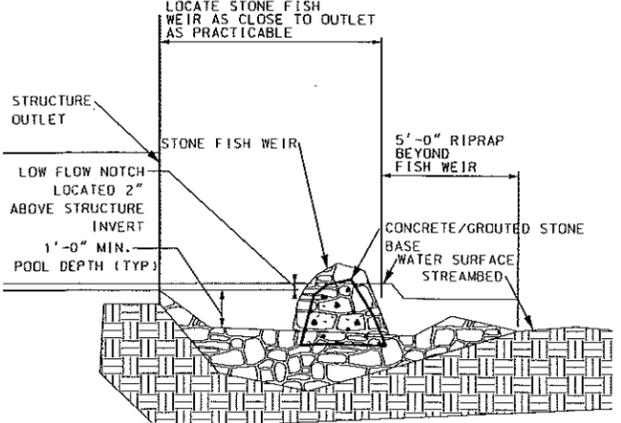
WETLAND IMPACTS

SCALE: 1" = 20'-0"



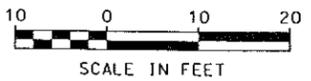
RIPRAP SECTION A-A

NOT TO SCALE



FISH WEIR SECTION B-B

NOT TO SCALE



SCALE IN FEET

STATE OF NEW HAMPSHIRE									
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE MAINTENANCE									
TOWN	GORHAM	BRIDGE NO.	098/071	STATE PROJECT	40826				
LOCATION NH RTE. 16 OVER UNNAMED BROOK						BRIDGE SHEET			
WETLAND IMPACTS						1 OF 1			
DESIGNED	ANW	DATE	3/24/16	CHECKED	SWJ	DATE	8/12/16	FILE NUMBER	GORHAM 098/071
DRAWN	ANW	DATE	3/24/16	CHECKED	SWI	DATE	8/12/16		
QUANTITIES		ISSUE DATE		FISCAL YEAR		CREW		SHEET NO.	
				2016		01		1	
REV. DATE								TOTAL SHEETS	
								1	