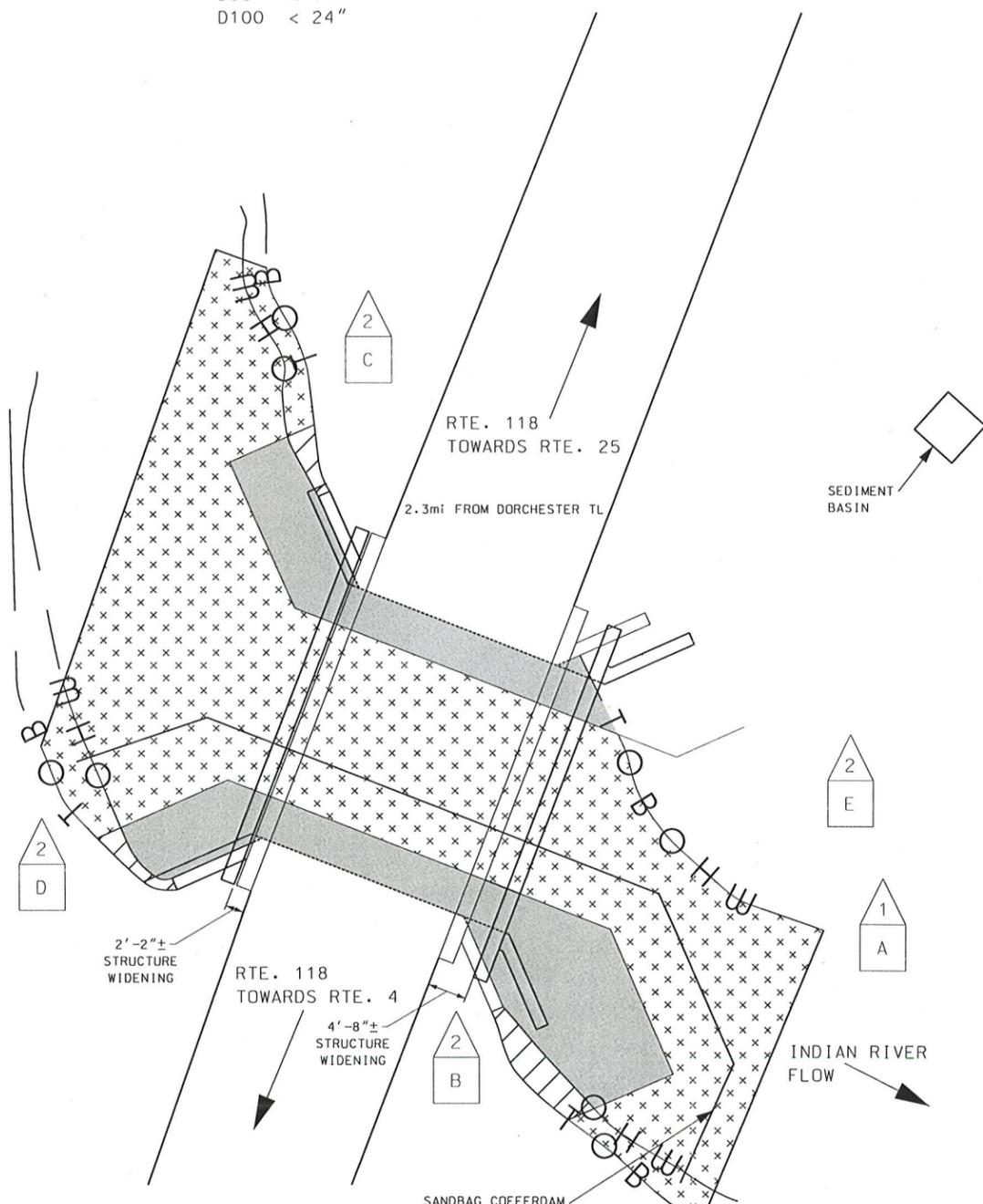


TYPICAL CROSS SECTION

NOT TO SCALE

RIPRAP GRADATION

- D15 < 11"
- D50 < 14"
- D100 < 24"



WETLAND IMPACTS

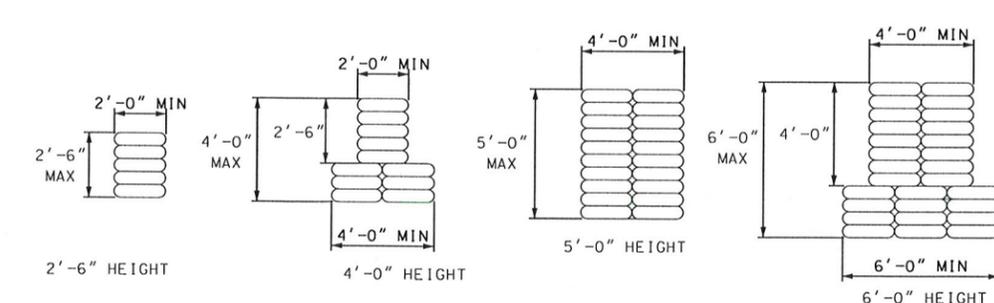
SCALE: 1" = 20'-0"



WETLAND CLASSIFICATION CODES	
R2UB1.2	RIVERINE, LOWER PERENNIAL, UNCONSOLIDATED BOTTOM, COBBLE GRAVEL, SAND
BANK	

LEGEND

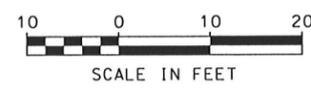
TYPE OF WETLAND IMPACT	SHADING/HATCHING	Symbol	Description
NEW HAMPSHIRE WETLANDS BUREAU (PERMANENT NON-WETLAND)	Diagonal hatching	# in triangle	WETLAND DESIGNATION NUMBER
NEW HAMPSHIRE WETLANDS BUREAU & ARMY CORP OF ENGINEERS (PERMANENT WETLAND)	Solid grey	# in square	WETLAND IMPACT LOCATION
TEMPORARY IMPACTS	Grid pattern	# in diamond	WETLAND MITIGATION AREA
		Empty square	MITIGATION



COFFERDAM DETAILS

NOT TO SCALE

WETLANDS DELINEATED BY MATT URBAN ON 7/2015



SCALE IN FEET

STATE OF NEW HAMPSHIRE									
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE MAINTENANCE									
TOWN	CANAAAN		BRIDGE NO.	177/123		STATE PROJECT	40493		
LOCATION NH RTE. 118 OVER INDIAN RIVER									
WETLAND IMPACTS								BRIDGE SHEET	
REVISIONS AFTER PROPOSAL								1 OF 2	
DESIGNED	ANW	8/19/15	CHECKED		BY	DATE	FILE NUMBER	CANAAAN	
DRAWN	ANW	8/19/15	CHECKED				177/123		
QUANTITIES			CHECKED						
ISSUE DATE		FISCAL YEAR	2016	CREW	04	SHEET NO.	1	TOTAL SHEETS	3
REV. DATE									

SHEET SCALE AS NOTED

WETLAND IMPACT SUMMARY											
WETLAND NUMBER	WETLAND CLASSIFICATION	LOCATION	AREA IMPACTS						LINEAR STREAM IMPACTS FOR MITIGATION		
			PERMANENT				TEMPORARY		PERMANENT		
			N.H.W.B. (NON WETLAND)		N.H.W.B. & A.C.O.E. (WETLAND)				BANK LEFT	BANK RIGHT	CHANNEL
			SF	LF	SF	LF	SF	LF	LF	LF	LF
1	R2UB1,2	A			953	144	2716	113			
2	BANK	B	53	16			61	34			
2	BANK	C	18	8			60	22			
2	BANK	D	18	10			73	20			
2	BANK	E		10				36			
		F									
		G									
		H									
		I									
		J									
		K									
		L									
TOTAL			89	44	953	144	2910	225	0	0	0

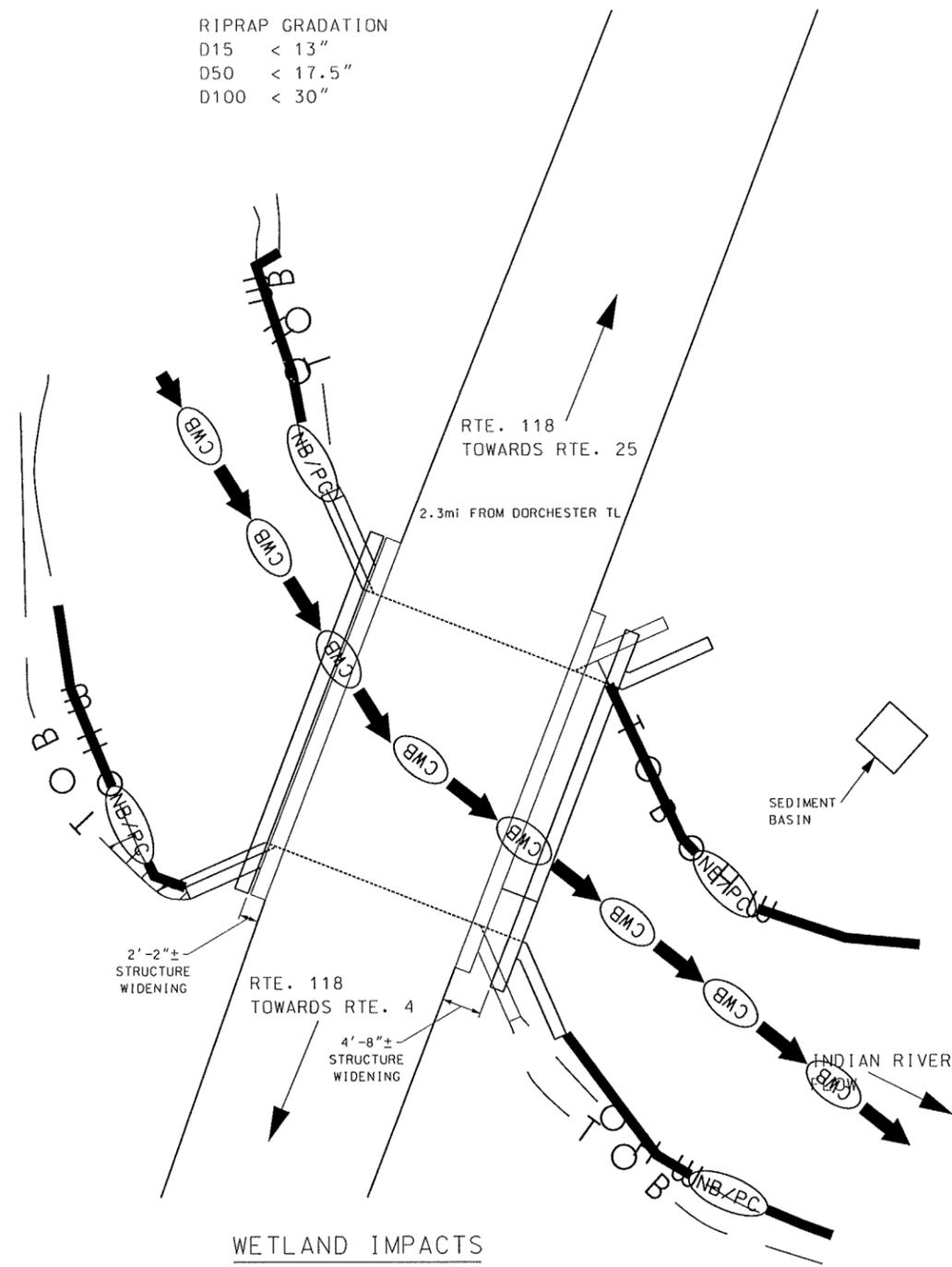
PERMANENT IMPACTS: 1042 SF
 TEMPORARY IMPACTS: 2910 SF
 TOTAL IMPACTS: 3952 SF

SUBTOTALS		PERMANENT				TEMPORARY	
		N.H.W.B. (NON WETLAND)		N.H.W.B. & A.C.O.E. (WETLAND)		SF	LF
CLASS	DESCRIPTION	SF	LF	SF	LF	SF	LF
R2UB1,2	RIVERINE	0	0	953	144	2716	113
BANK	BANK	89	44	0	0	194	112
		0	0	0	0	0	0
		0	0	0	0	0	0
		0	0	0	0	0	0

* MITIGATION FOR LENGTHS OF STREAM AND BANK IMPACTS WHERE EXTENDING THE BRIDGE 2'-2' UPSTREAM AND 4'-8' DOWNSTREAM
 * MITIGATION NOT REQUIRED FOR REMAINING LINEAR FEET OF IMPACTS TO STREAM CHANNEL AND BANK AS THE IMPACTS ARE NEEDS FOR THE PROTECTION OF EXISTING INFRASTRUCTURE 302.03(C)(2)C

STATE OF NEW HAMPSHIRE									
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE MAINTENANCE									
TOWN	CANAAN	BRIDGE NO.	177/123	STATE PROJECT	40493	BRIDGE SHEET			
LOCATION NH RTE. 118 OVER INDIAN RIVER						2 OF 3			
WETLAND IMPACTS									
REVISIONS AFTER PROPOSAL		BY	DATE	CHECKED	BY	DATE	FILE NUMBER		
		DESIGNED	ANW 8/19/15	CHECKED			CANAAN		
		DRAWN	DBL 3/21/18	CHECKED			177/123		
		QUANTITIES		CHECKED					
SHEET SCALE		ISSUE DATE	FISCAL YEAR	CREW	SHEET NO.	TOTAL SHEETS			
AS NOTED			2016	04	2	3			
		REV. DATE							

RIPRAP GRADATION
 D15 < 13"
 D50 < 17.5"
 D100 < 30"



WETLAND IMPACTS
 SCALE: 1" = 20'-0"

EROSION CONTROL PLAN LEGEND

	PERIMETER CONTROL SILT FENCE EROSION CONTROL MIX BERM EROSION CONTROL MIX SOX TURBIDITY CURTAIN SHEET PILE COFFER DAM
	NATURAL BUFFER/PERIMETER CONTROL SILT FENCE EROSION CONTROL MIX BERM EROSION CONTROL MIX SOX TURBIDITY CURTAIN SHEET PILE COFFER DAM
	CHANNEL PROTECTION STONE CHECK DAMS STRAW WATTLES CHANNEL MATTING CLASS D EROSION STONE CLASS C STONE
	CLEAN WATER BYPASS PUMP THROUGH PIPE DRAIN THROUGH PIPE OR CHANNEL

STATE OF NEW HAMPSHIRE											
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE MAINTENANCE											
TOWN	CANAAN	BRIDGE NO.	177/123	STATE PROJECT	40493	BRIDGE SHEET					
LOCATION	NH RTE. 118 OVER INDIAN RIVER										
EROSION CONTROL PLANS											
REVISIONS AFTER PROPOSAL		BY	DATE	CHECKED	BY	DATE	BRIDGE SHEET				
		DESIGNED	ANW 8/19/15	CHECKED			3 OF 3				
		DRAWN	DBL 3/21/18	CHECKED			FILE NUMBER				
		QUANTITIES		CHECKED			CANAAN				
		ISSUE DATE					177/123				
SHEET SCALE	AS NOTED	REV. DATE		FISCAL YEAR	2016	CREW	04	SHEET NO.	3	TOTAL SHEETS	3