



NOTES:

1. REMOVE AND DISPOSE OF DUFF AND TOP ORGANIC LAYERS DOWN TO MINERAL SOIL.
2. COMPACT BACKFILL IN 6 INCH LIFTS UNTIL NO VISUAL DISPLACEMENT.
3. SIDE SLOPES OF TRAIL SHALL BE MIN. 3:1 UNLESS SITE CONDITIONS PRECLUDE THIS SLOPE. A MAX SLOPE OF 1.5:1 IS PERMISSIBLE. ANY SLOPE GREATER THAN 3:1 SHALL BE ARMOR AND ALL SLOPES SHALL BE STABILIZED.

### TYPICAL TRAIL SECTIONS

DEP PERMITTED STREAM BRIDGE FRAMING SCHEDULE 						
STREAM CROSSING NO.	BRIDGE SPAN (FT)	BRIDGE WIDTH (FT)	SPEADER BEAM LENGTH (FT)	NUMBER OF JOIST (FT)	JOIST SIZE	BLOCKING LOCATIONS
1	28	6	8	5	6x12	THIRD POINTS
2	16	6	8	5	3x10	MIDSPAN
3	16	6	8	5	3x10	MIDSPAN
4	14	6	8	5	3x8	MIDSPAN
5	10	6	8	5	3x6	MIDSPAN
6	12	6	8	5	3x8	MIDSPAN
7	18	6	8	5	4x10	THIRD POINTS
8	10	8	10	6	3x6	MIDSPAN
9	24	8	10	7	4x12	THIRD POINTS
10	10	8	10	6	3x6	MIDSPAN
11	PART OF SEPARATE BID					
12	6	8	10	6	3x6	NONE

LOW POINT BRIDGE FRAMING SCHEDULE						
LOW POINT CROSSING NO.	BRIDGE SPAN (FT)	BRIDGE WIDTH (FT)	SPEADER BEAM LENGTH (FT)	NUMBER OF JOIST (FT)	JOIST SIZE	BLOCKING LOCATIONS
LP-1	14	6	8	5	3x8	MIDSPAN
LP-2	17	6	8	5	4x8	
LP-3	11	6	8	5	3x6	MIDSPAN
LP-4	12	6	8	5	3x8	MIDSPAN
LP-5	14	8	10	6	3x8	MIDSPAN
LP-6	15	8	10	6	3x10	MIDSPAN
LP-7	14	8	10	6	3x8	MIDSPAN
LP-8	12	8	10	6	3x8	MIDSPAN
LP-9	14	8	10	6	3x8	MIDSPAN
LP-10	14	8	10	6	3x8	MIDSPAN
LP-11	24	8	10	7	4x12	THIRD POINTS
LP-12	12	8	10	6	3x8	MIDSPAN
LP-13	20	8	10	6	4x10	THIRD POINTS

**CONSTRUCTION NOTE:**  DURING CONSTRUCTION PROVIDE TEMPORARY BEAM SUPPORT MINSpan (MIN.) FOR CONSTRUCTION LOADS AND PROTECT THE BRIDGE SURFACE WITH PLYWOOD OR OTHER MATERIAL.

GENERAL BRIDGE NOTES:  
REFER TO GARTLEY & DORSKY ENGINEERING & SURVEYING SHEET C1 - TRAIL PLAN FOR BRIDGE NUMBERS, LOCATIONS AND SPANS.

NO PROVISIONS HAVE BEEN MADE FOR ANY TEMPORARY CONDITIONS THAT MAY ARISE DURING CONSTRUCTION PRIOR TO THE COMPLETION OF THE STRUCTURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE DESIGN AND CONSTRUCTION OF ALL FORMS, SHORING AND TEMPORARY BRACING DURING THE PROGRESS OF THE PROJECT.

WORK NOT INDICATED ON A PART OF THE DRAWINGS, BUT REASONABLY IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING PLACES SHALL BE INCLUDED.

THE CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR THE SAFETY OF ADJACENT STRUCTURES, PROPERTY, AND THE PUBLIC.  
THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS.

ANY MODIFICATION OR ALTERATION OF THESE CONSTRUCTION DOCUMENTS OR CHANGES IN CONSTRUCTION FROM THE INTENT OF THESE DOCUMENTS BY THE CONTRACTOR WITHOUT WRITTEN APPROVAL OF THE ENGINEER SHALL REMOVE ALL PROFESSIONAL AND LIABILITY RESPONSIBILITY ON THE PART OF THE ENGINEER.

ALL CONTRACTORS ARE REQUIRED TO EXAMINE THE DRAWINGS AND SPECIFICATIONS CAREFULLY, VISIT THE SITE AND FULLY INFORM THEMSELVES AS TO ALL EXISTING CONDITIONS AND LIMITATIONS, PRIOR TO SUBMITTING THE PROPOSAL. FAILURE TO VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS AND LIMITATIONS WILL IN NO WAY RELIEVE THE SUCCESSFUL BIDDER FROM FURNISHING ANY MATERIALS OR PERFORMING ANY WORK IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS WITHOUT ADDITIONAL COST TO THE OWNER.

IF THE TOTAL COST OF STEEL/IRON IN THIS PROJECT EXCEEDS \$2,500 OR .01% OF THE OVERALL PROJECT COSTS, THEN ALL STEEL DELIVERED AND PERMANENTLY INSTALLED AS PART OF THIS PROJECT MUST MEET THE FEDERAL "BUY AMERICA" LAW WHICH STIPULATES THAT THE STEEL USED IS MELTED AND MANUFACTURED IN THE US.

DO NOT SCALE FROM DRAWINGS.

## DESIGN CRITERIA

DESIGN LOADS ON THE STRUCTURE ARE AS FOLLOWS:

BRIDGE LIVE LOADS = 60 psf  
BRIDGE DEAD LOAD = SELF WEIGHT BASED ON CONSTRUCTION (VARIES)  
GROUND SNOW LOAD ( $P_g$ ) = 50 psf

APPLICABLE ASCE 7-10 LOAD COMBINATIONS HAVE BEEN USED (ASD)

WOOD FRAMING:

ALL TIMBER FRAMING SHALL BE IN ACCORDANCE WITH THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS) 2005 EDITION.

INSTALL HORIZONTAL AND INCLINED MEMBERS WITH NATURAL CONVEX BOW (CROWN) UP, TO PROVIDE NATURAL CAMBER.

ALL STRUCTURAL MEMBERS MUST BE CONTINUOUS.

ALL FRAMING SHALL BE PRESERVATIVE TREATED (PT) MATERIAL AS FOLLOWS:

JOISTS AND RIM: SOUTHERN PINE #1 (OR BETTER) TREATED IN ACCORDANCE WITH AWP A STANDARD U1 TO THE REQUIREMENTS OF USE CATEGORY 4B (UC4B) - GROUND CONTACT HEAVY DUTY.

BLOCKING: SOUTHERN PINE #2 (OR BETTER) TREATED IN ACCORDANCE WITH AWPAC STANDARD U1 TO THE REQUIREMENTS OF USE CATEGORY 4A (UC4A) - GROUND CONTACT GENERAL USE.

DECKING & CURB SHALL BE EASTERN WHITE CEDAR #1 (OR BETTER), ROUGH SAWN, FULL DIMENSION. 


CONNECTION HARDWARE:

ALL CONNECTION HARDWARE SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.

ALL MEMBERS SHALL BE FASTENED AS FOLLOWS, UNLESS NOTED OTHERWISE:

RIM-TO-JOIST:	(3) 20D COMMON WIRE NAILS, END NAILED, TYP. 6 & 8 INCH JOIST DEPTH
	(4) 20D COMMON WIRE NAILS, END NAILED, TYP. 10 & 12 INCH JOIST DEPTH
JOIST-TO-SPREADER:	(2) 20D COMMON WIRE NAILS, EACH SIDE, TOENAILED
CURB-TO-JOIST:	½" CARRIAGE BOLT CURB CONNECTION & BLOCKING
DECKING-TO-JOIST:	(2) 60D COMMON WIRE NAILS PER JOIST
BLOCKING-TO-JOIST:	(3) 12D COMMON WIRE NAILS, EACH SIDE, TOENAILED

ALL STEEL AND/OR IRON FOR THIS PROJECT UP TO A VALUE OF \$2500 OR 0.1% OF STEEL PURCHASED FOR THE TOTAL PROJECT, WHICHEVER IS GREATER, SHALL BE AMERICAN PRODUCED.

	<b>Gartley &amp; Dorsky</b> <b>ENGINEERING &amp; SURVEYING</b>		59 Union Street, Unit 1, P.O. Box 1031 Camden, ME 04843-1031 PH (207) 238-4305 Fax (207) 238-3353 Toll Free 1-888-232-4305 165 Main Street Suite 2F P.O. Box 1072 Danaboscotta, Maine 04543 PH (207) 790-5065		CLIENT/PROJECT: <b>COASTAL MOUNTAINS LAND TRUST</b> <b>ROUND THE MOUNTAIN TRAIL</b>		SHEET TITLE: <b>CIVIL DETAILS</b>				
	LOCATION: <b>ROUTE 17</b>		SCALE: <b>AS SHOWN</b>								
TOWN: <b>ROCKPORT</b>		COUNTY: <b>KNOX</b>		STATE: <b>MAINE</b>		DATE: <b>MAY 9, 2018</b>		DRAWN BY: <b>LP</b>		CHECKED BY: <b>WEG</b>	
								NO. <b>1</b>		REVISIONS	
								ADDENDUM <b>1</b>		DATE: <b>7/5/18</b>	