

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



LIST OF DRAWINGS

Title Sheet 1
 Access Route 2
 Pier 2 Riprap Plan 3
 Pier 2 Cross-Section 4

FORT KENT MILLS
 AROOSTOOK COUNTY
 MADAWASKA SUBDIVISION BRIDGE 241.83
 OVER
 FISH RIVER
 0.55 MILES SOUTH OF ROUTE 161 RAILROAD CROSSING
 PROJECT NUMBER 22810.00

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
	COMMISSIONER: <i>[Signature]</i>	8/1/14
CHIEF ENGINEER: <i>[Signature]</i>		7-30-14



<i>[Signature]</i>	SIGNATURE
7073	P.E. NUMBER
7/28/2014	DATE

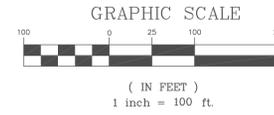
PROJECT INFORMATION	
PROGRAM	MULTIMODAL
PROJECT MANAGER	N. BENOIT
DESIGNER	TEC ASSOCIATES
CONSULTANT	
PROJECT RESIDENT CONTRACTOR	
COMPLETION DATE	

MADAWASKA SUBDIVISION
 BRIDGE 241.83
 TITLE SHEET

22810.00

<u>PROJECT LOCATION:</u>	Fish River Bridge at milepost 241.83 which carries Maine Northern Railway. Lat. 47° 13.854' Long. -68° 34.311'
<u>PROGRAM AREA:</u>	Bridge
<u>OUTLINE OF WORK:</u>	Bridge Scour Countermeasures

SHEET NUMBER
1
 OF 4



22810.00

**MADAWASKA SUBDIVISION
BRIDGE 241.83
ACCESS ROUTE**

SHEET NUMBER

2

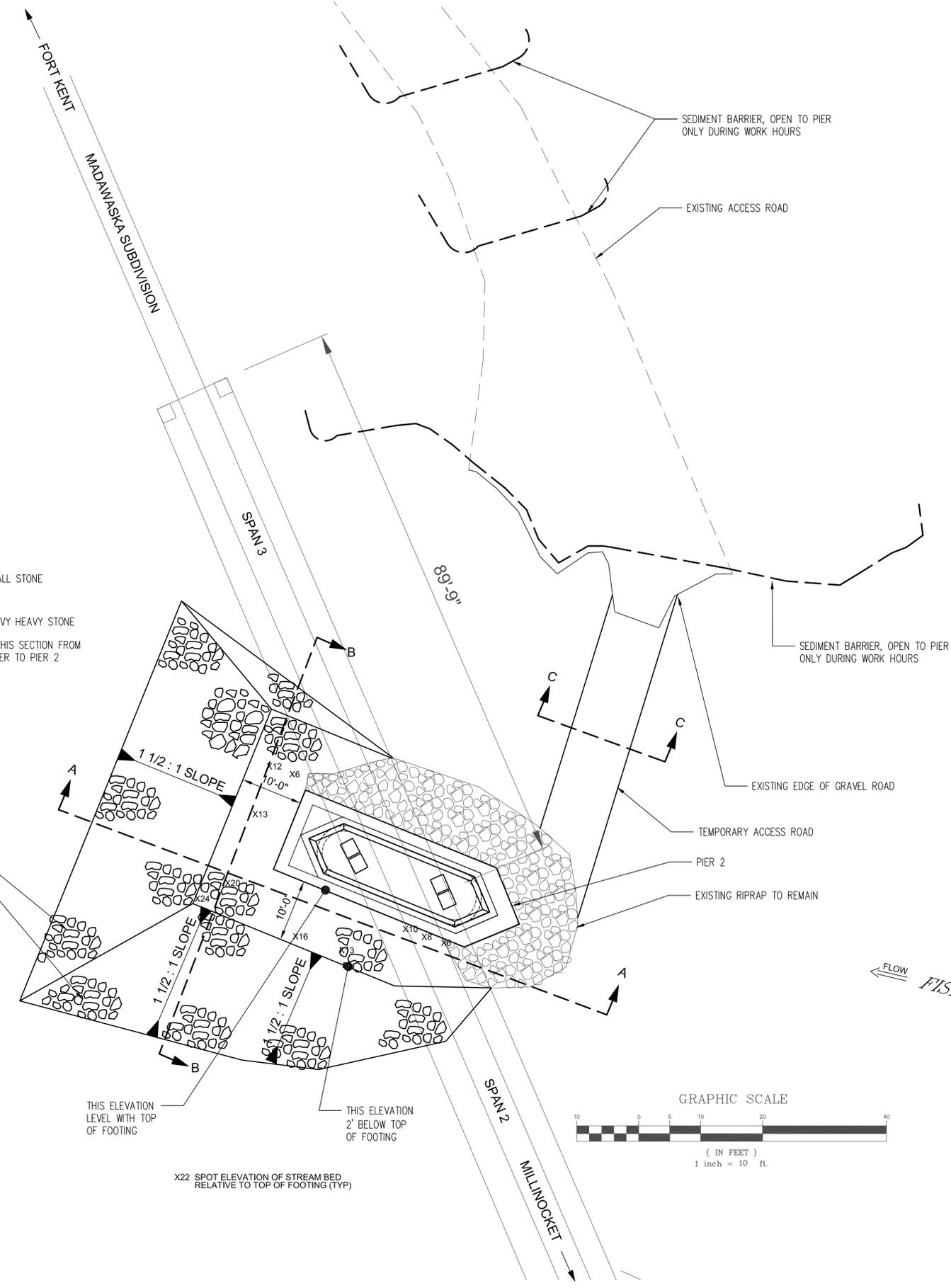
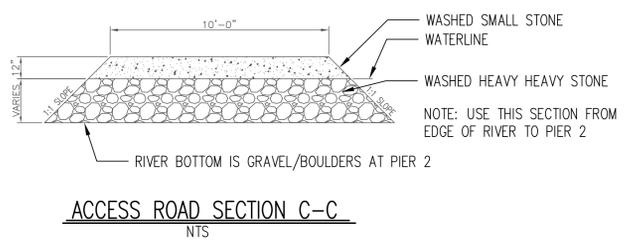
OF 4

PROJECT INFORMATION	
PROGRAM	MULTIMODAL
PROJECT MANAGER	N. BENOIT
DESIGNER	TEC ASSOCIATES
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
COMPLETION DATE	

Wayne Wright
SIGNATURE
7673
P.E. NUMBER
7/28/2014
DATE



STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
	COMMISSIONER:	
	CHIEF ENGINEER:	



GENERAL CONSTRUCTION NOTES

1. CONSTRUCTION SEQUENCE:
 - a. CONSTRUCT TEMPORARY ACCESS ROAD.
 - b. PROVIDE HEAVY RIPRAP TO AN ELEVATION APPROXIMATELY FOUR FEET BELOW THE BOTTOM OF THE PIER FOOTING.
 - c. INSTALL THE THREE GROUT PIPES, TWO ALONG THE SOUTH FACE AND ONE ON THE NORTH END OF THE PIER.
 - d. WRAP THE SOUTH FACE AND NORTH END OF THE PIER WITH 16 OZ. NON-WOVEN GEOTEXTILE.
 - e. COMPLETE THE RIPRAP TO THE PLAN AND ELEVATIONS SHOWN ON THE PLANS.
 - f. PUMP THE THREE GROUT PIPES TO REFUSAL.
 - g. IF WATER LEVELS PERMIT, DISTRIBUTE THE MATERIAL FROM THE IN-WATER ACCESS ROAD AROUND THE PIER, OTHERWISE STOCKPILE ON SHORE AS DIRECTED BY THE RESIDENT.
2. SECTIONS SHOWN ON THE PLANS DEPICT ESTIMATED CONDITIONS AND THE INTENT OF THE INSTALLATION MAY NEED TO BE ALTERED TO FIT THE ACTUAL SITE CONDITIONS AS DIRECTED BY THE RESIDENT.
3. CONTRACTOR SHALL INSTALL TWO, 4'X4' "TRUCKS ENTERING" SIGNS, ONE IN EACH DIRECTION ON ROUTE 161 AS DIRECTED BY THE RESIDENT.

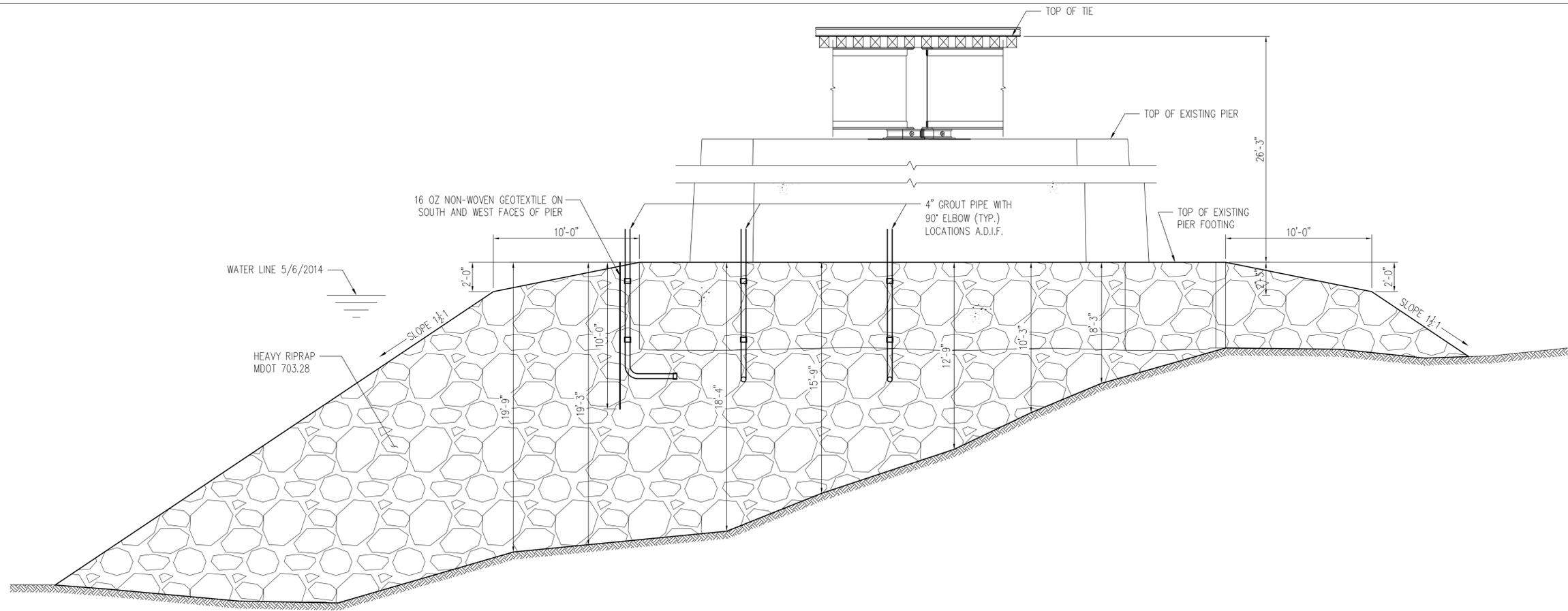
ESTIMATED QUANTITIES		
PAY ITEM	DESCRIPTION	QUANTITY
203.61	CONSTRUCT TEMPORARY ACCESS ROAD	1 LS
304.13	DENSE GRADED CRUSHED AGGREGATE BASE	100 CY
502.2483	PUMPED GROUT	16 CY
610.16	HEAVY RIPRAP	1,150 CY
620.58	EROSION CONTROL GEOTEXTILE	80 SY
629.05	HAND LABOR, STRAIGHT TIME	20 HR
631.121	HEAVY DUTY ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	20 HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	20 HR
652.35	CONSTRUCTION SIGNS	36 SF
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES (30 DAYS)	1 LS
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1 LS
659.10	MOBILIZATION	1 LS

GENERAL NOTES

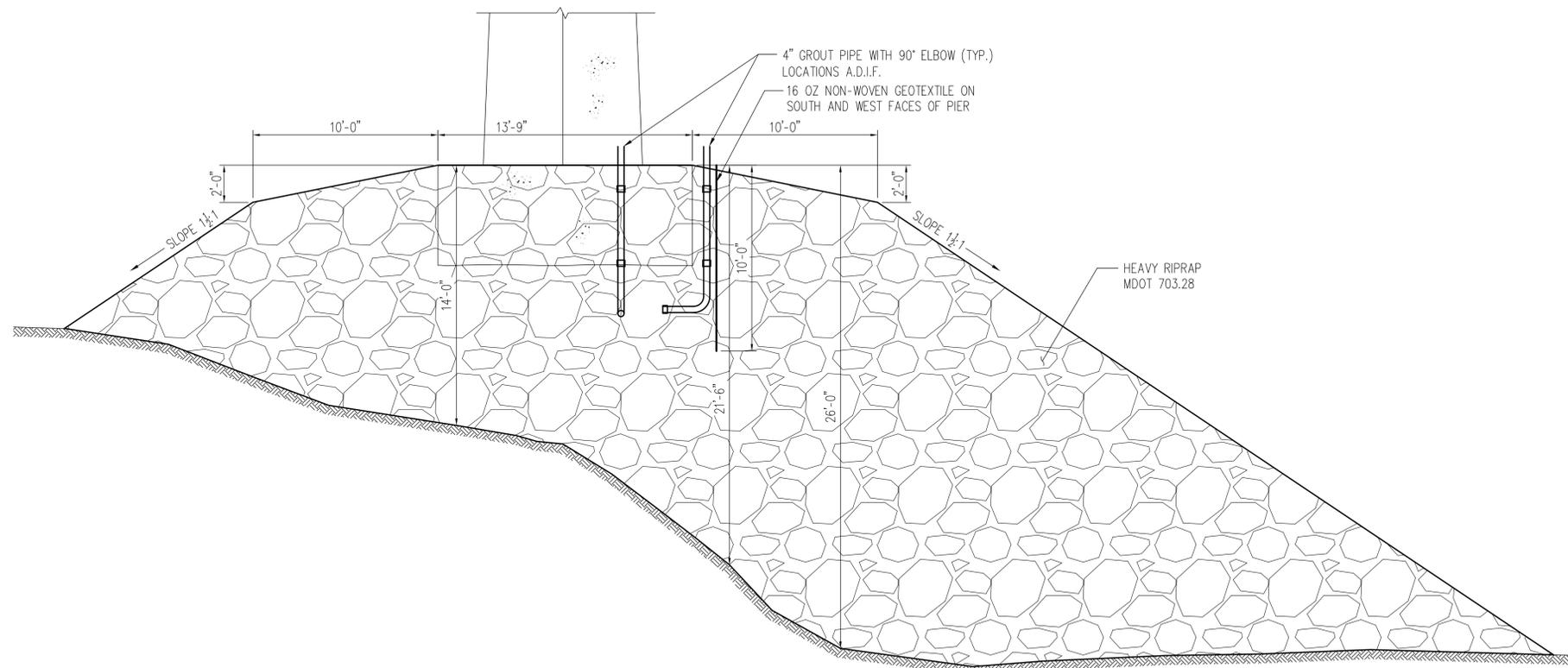
1. DRAWING COMPILED FROM FIELD MEASUREMENTS, GOOGLE EARTH IMAGE, AND LIDAR SURVEY.
2. AREA OF TEMPORARY ACCESS ROAD IS 900 SQUARE FEET.
3. AREA OF RIPRAP INSTALLATION IS 2,800 SQUARE FEET.

22810.00

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		APPROVED	DATE
		SIGNATURE 7673 P.E. NUMBER	DATE 7/28/2014
PROJECT INFORMATION PROGRAM: MULTIMODAL PROJECT MANAGER: N BENOIT DESIGNER: TEC ASSOCIATES CONSULTANT:		PROJECT RESIDENT CONTRACTOR COMPLETION DATE	
MADAWASKA SUBDIVISION BRIDGE 241.83		PIER 2 RIP-RAP PLAN	
SHEET NUMBER		3	
OF 4		COMMISSIONER: CHIEF ENGINEER:	



SECTION A-A - PIER 2



SECTION B-B - PIER 2

A.D.I.F. = AS DETERMINED IN THE FIELD

22810.00

**MADAWASKA SUBDIVISION
BRIDGE 241.83**

PIER 2 CROSS-SECTIONS

SHEET NUMBER

4

OF 4

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED _____ DATE _____

COMMISSIONER: _____ CHIEF ENGINEER: _____

**STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
REGISTERED PROFESSIONAL ENGINEER**

**WYNE WRIGHT
DUFFETT
No. 7673**

SIGNATURE _____ DATE _____

P.E. NUMBER 7673 DATE 7/28/2014

PROJECT INFORMATION

PROGRAM MULTIMODAL
PROJECT MANAGER N. BENOIT
DESIGNER TEC ASSOCIATES
CONSULTANT
PROJECT RESIDENT
CONTRACTOR
COMPLETION DATE