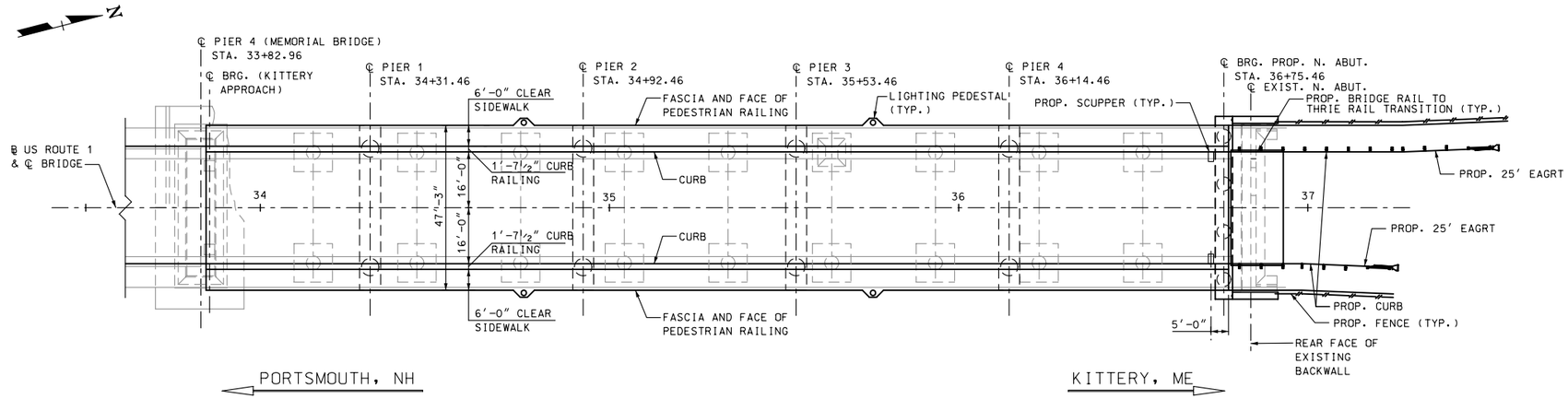
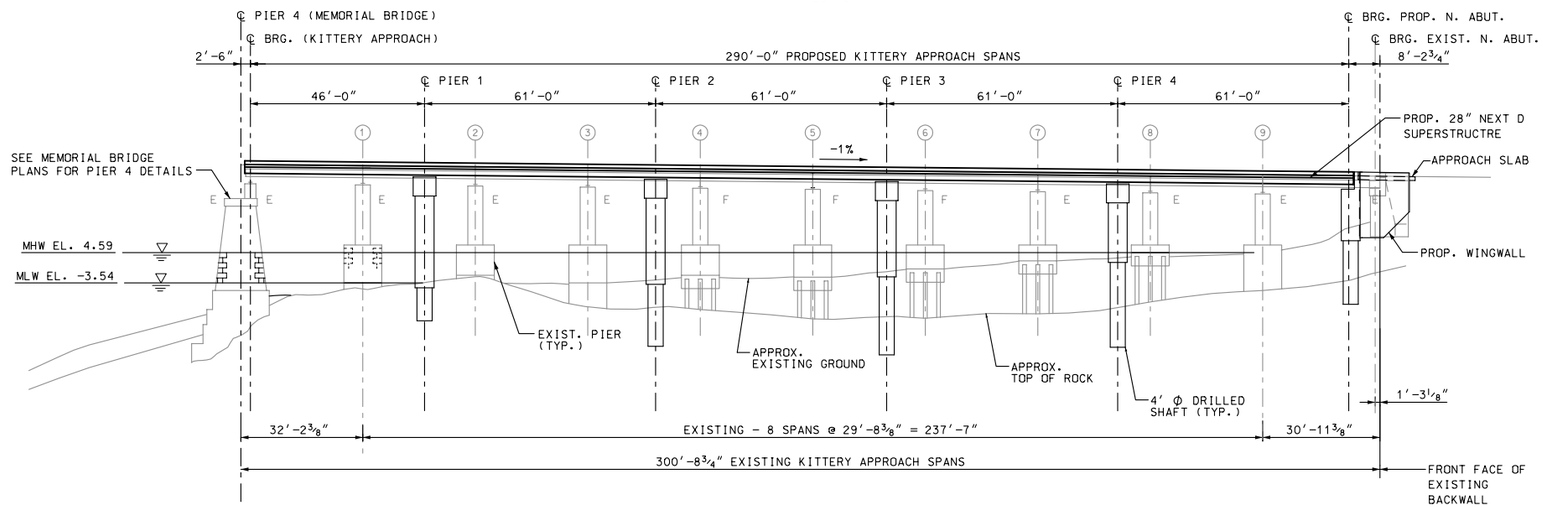


PLAN – KITTERY APPROACH SPANS

1" = 20'-0"



ELEVATION – KITTERY APPROACH SPANS

1" = 20'-0"

NOTES:

1. TOP PORTION OF EXISTING ABUTMENT TO BE DEMOLISHED.
2. CURB AND PEDESTRAIN RAILING NOT SHOWN.

PRELIMINARY PLANS
SEPTEMBER 12, 2011

ARCHER WESTERN CONTRACTORS

HNTB Corporation
The HNTB Companies
Engineers Architects Planners

SUBDIRECTORY	.DGN LOCATOR	SHEET SCALE
Kittery Approach	13678 - B59	1" = 20'-0"

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN

TOWN PORTSMOUTH, NH. - KITTERY, ME. BRIDGE NO. 247/084 STATE PROJECT 13678

LOCATION U.S. ROUTE 1 OVER PISCATAQUA RIVER

GENERAL PLAN & ELEVATION

BRIDGE SHEET: B59 OF B71

REVISIONS AFTER PROPOSAL		BY	DATE		BY	DATE
				DESIGNED	MTB	07/11
				DRAWN	RJT	07/11
				QUANTITIES	MB	07/11
				ISSUE DATE		
				REV. DATE		

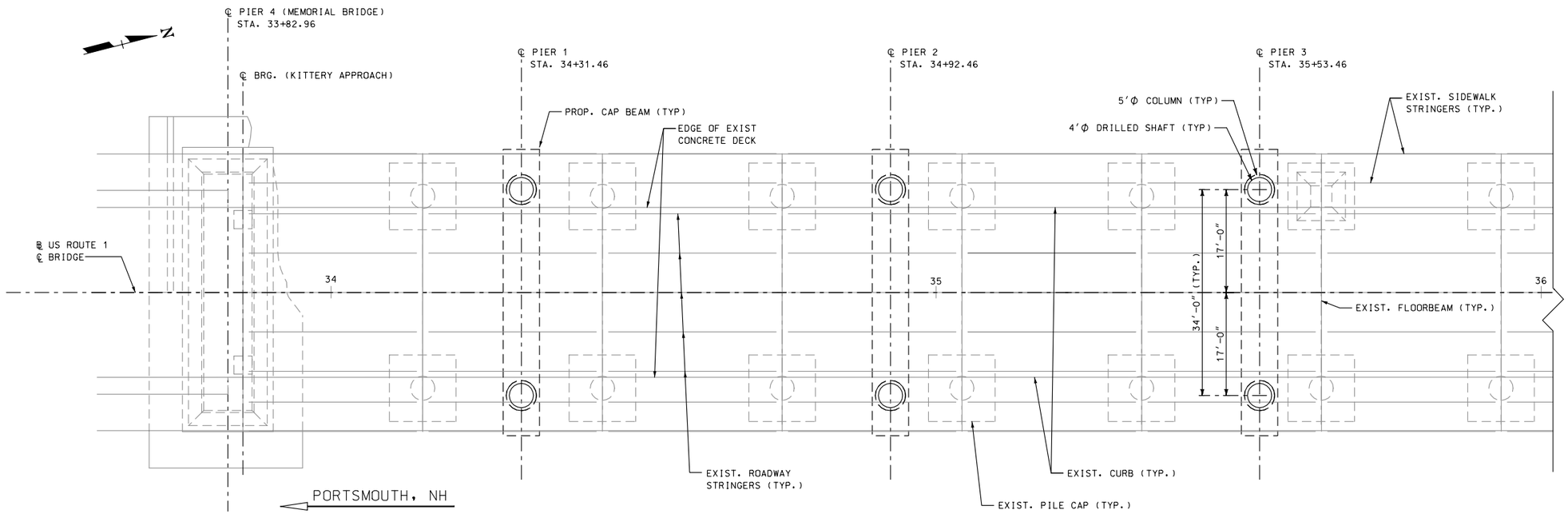
CHECKED AT 07/11
CHECKED MTB 07/11
CHECKED AT 07/11

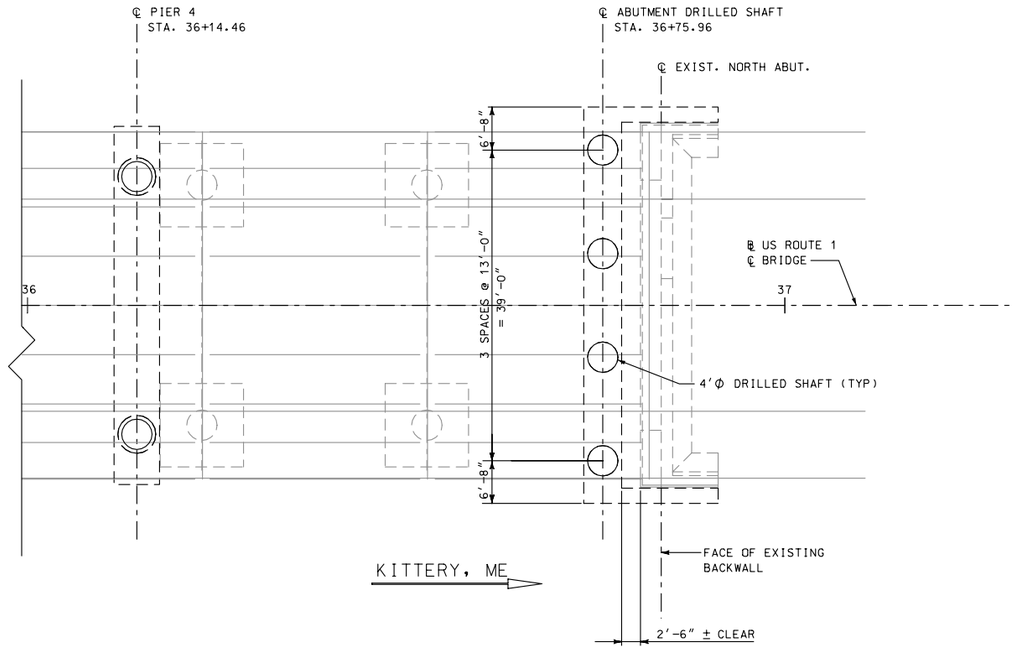
FEDERAL PROJECT NO. .

FILE NUMBER: 107-1-1

SHEET NO. 68

TOTAL SHEETS 104





FOUNDATION PLAN – KITTERY APPROACH SPANS

1" = 10'-0"

PRELIMINARY PLANS
SEPTEMBER 12, 2011

ARCHER WESTERN CONTRACTORS

HNTB Corporation
The HNTB Companies
Engineers Architects Planners

SUBDIRECTORY	.DGN LOCATOR	SHEET SCALE
Kittery Approach	13678 - B60	1" = 10'-0"

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN

TOWN PORTSMOUTH, NH. - KITTERY, ME. BRIDGE NO. 247/084 STATE PROJECT 13678

LOCATION U.S. ROUTE 1 OVER PISCATAQUA RIVER

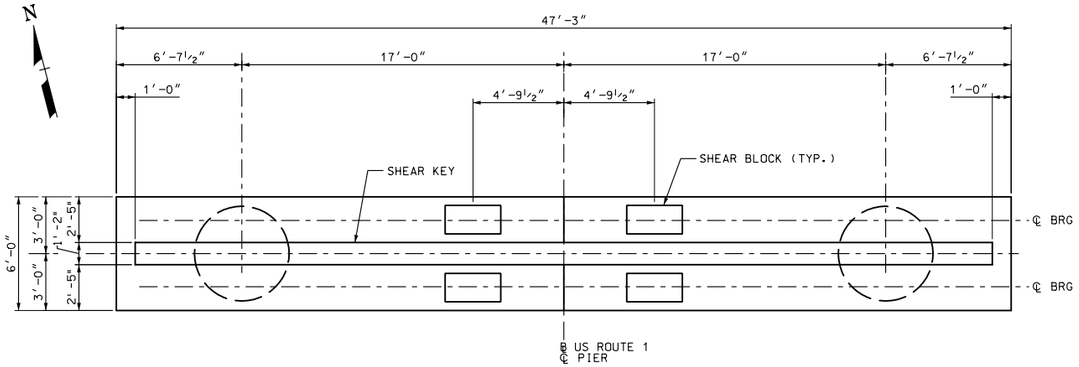
SUBSTRUCTURE FOUNDATION LAYOUT

BRIDGE SHEET: B60 OF B71

FILE NUMBER: 107-1-1

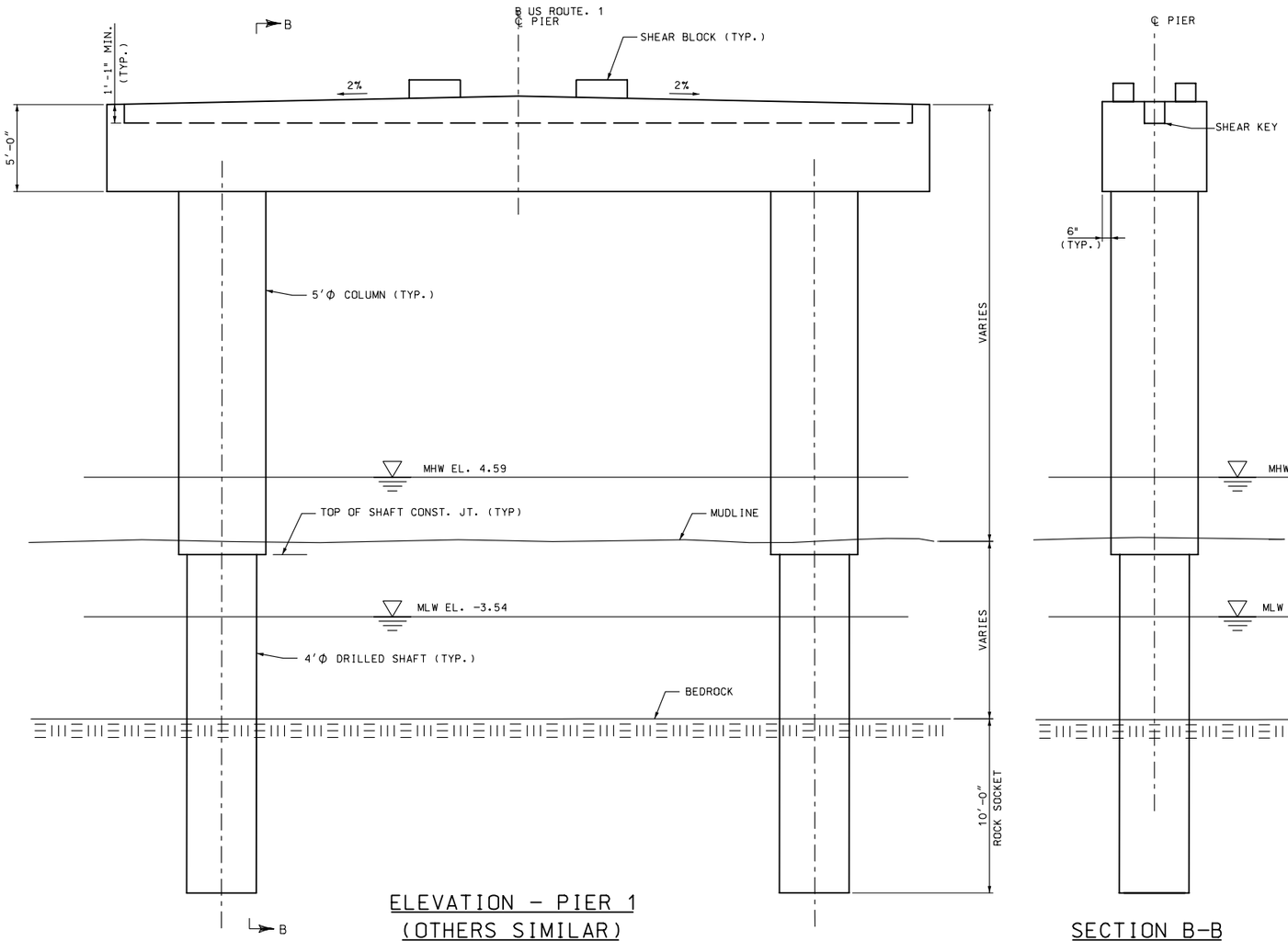
REVISIONS AFTER PROPOSAL	BY	DATE		BY	DATE
			DESIGNED	MTB	07/11
			DRAWN	RJT	07/11
			QUANTITIES	MB	07/11
			CHECKED	AT	07/11
			CHECKED	MTB	07/11
			CHECKED	AT	07/11

ISSUE DATE		FEDERAL PROJECT NO.	SHEET NO.	TOTAL SHEETS
REV. DATE		.	69	104



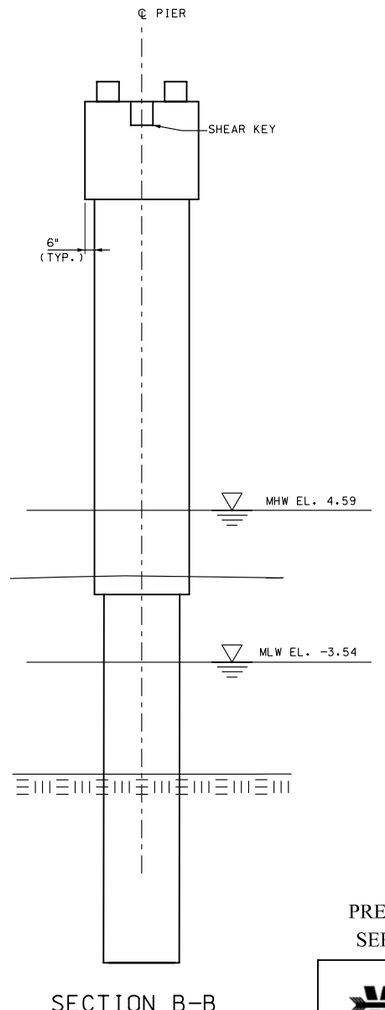
PLAN – PIER CAP

1/4″ = 1′-0″



ELEVATION – PIER 1
(OTHERS SIMILAR)

1/4″ = 1′-0″



SECTION B–B

1/4″ = 1′-0″

PRELIMINARY PLANS
SEPTEMBER 12, 2011

ARCHER WESTERN CONTRACTORS

HNTB Corporation
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Engineers Architects Planners

SUBDIRECTORY	.DGN LOCATOR	SHEET SCALE
Kittery Approach	13678 - B62	1/4" = 1'-0"

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN

TOWN PORTSMOUTH, NH. - KITTERY, ME. BRIDGE NO. 247/084 STATE PROJECT 13678

LOCATION U.S. ROUTE 1 OVER PISCATAQUA RIVER

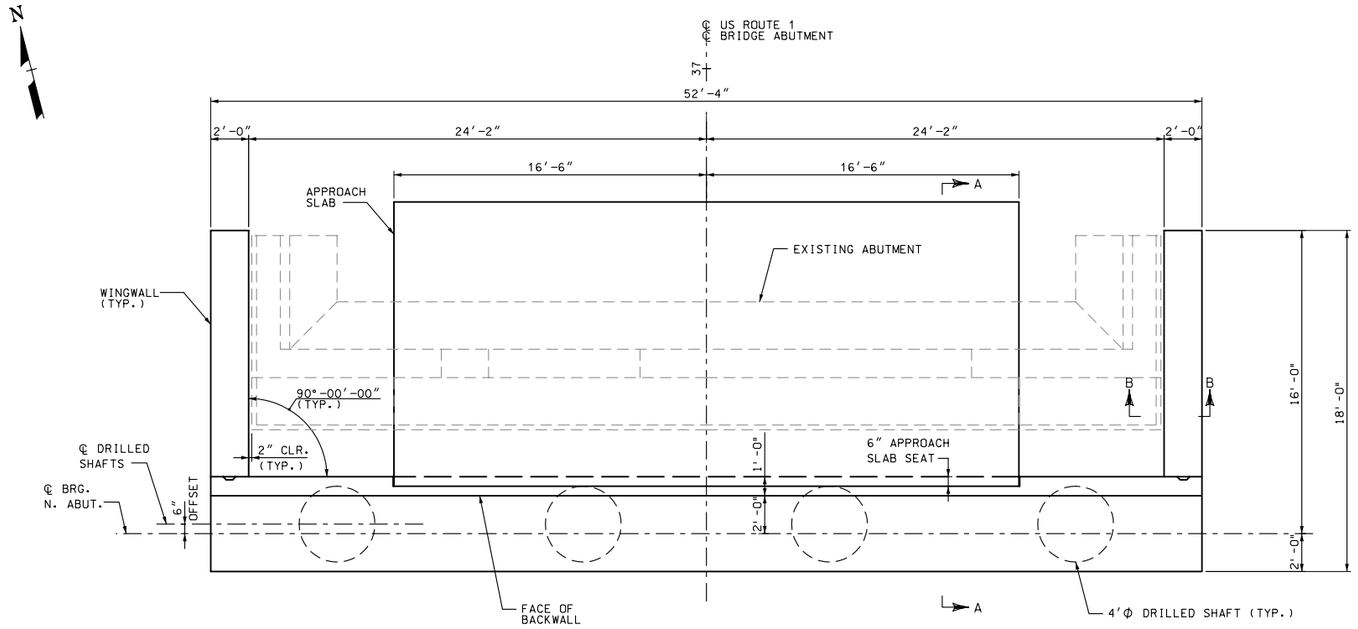
PIERS 1, 2, 3 & 4 - PLAN & ELEVATIONS

BRIDGE SHEET: B61 OF B71

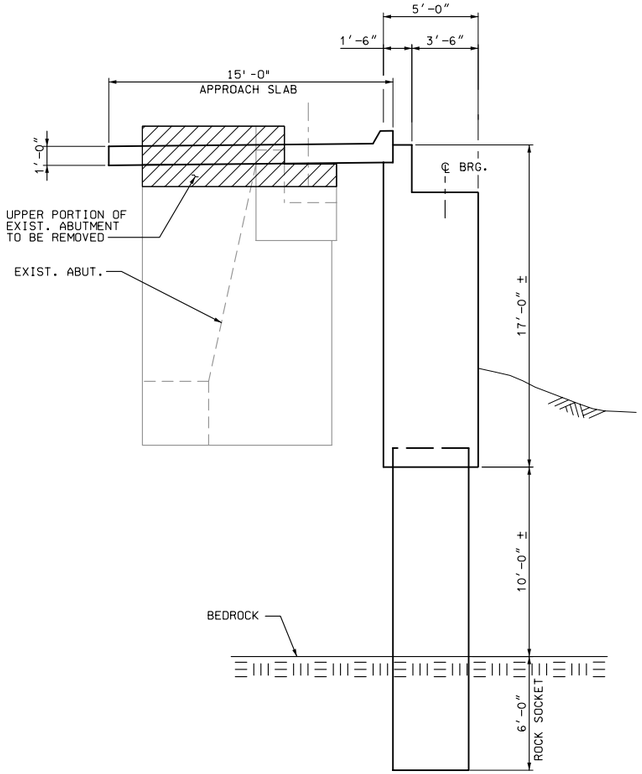
FILE NUMBER: 107-1-1

REVISIONS AFTER PROPOSAL		BY	DATE		BY	DATE
	DESIGNED	MTB	07/11	CHECKED	AT	07/11
	DRAWN	RJT	07/11	CHECKED	MTB	07/11
	QUANTITIES	MB	07/11	CHECKED	AT	07/11

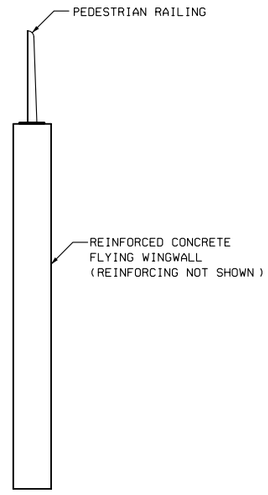
ISSUE DATE		FEDERAL PROJECT NO.	SHEET NO.	TOTAL SHEETS
REV. DATE		.	70	104



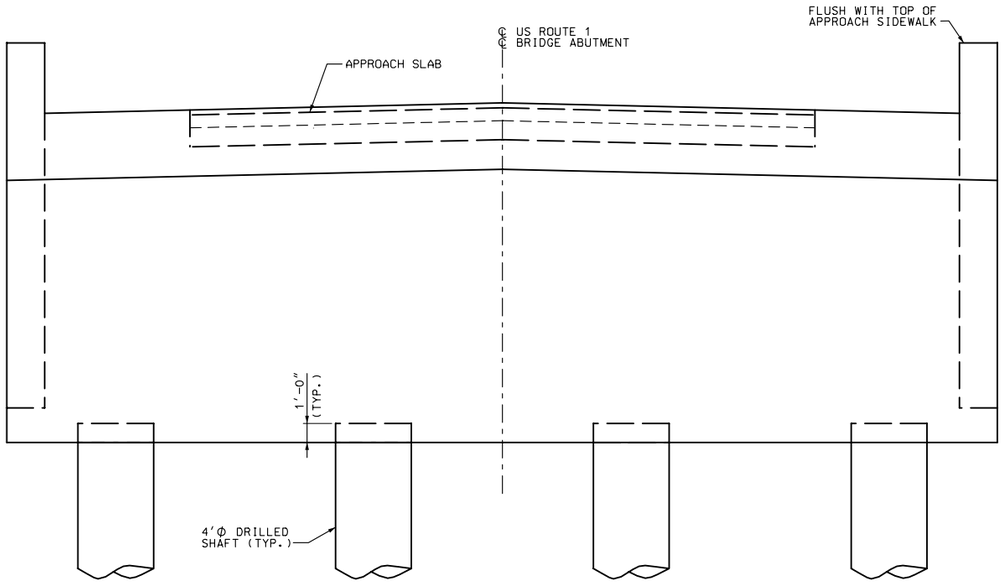
PLAN
1/4″ = 1′-0″



SECTION A-A
1/4″ = 1′-0″



SECTION B-B
1/4″ = 1′-0″



NOTE: EXIST. ABUTMENT NOT SHOWN

ELEVATION
1/4″ = 1′-0″

PRELIMINARY PLANS
SEPTEMBER 12, 2011

ARCHER WESTERN CONTRACTORS

HNTB Corporation
The HNTB Companies
Engineers Architects Planners

SUBDIRECTORY	.DGN LOCATOR	SHEET SCALE
Kittery Approach	13678 - B62	1/4" = 1'-0"

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN

TOWN PORTSMOUTH, NH. - KITTERY, ME. BRIDGE NO. 247/084 STATE PROJECT 13678

LOCATION U.S. ROUTE 1 OVER PISCATAQUA RIVER

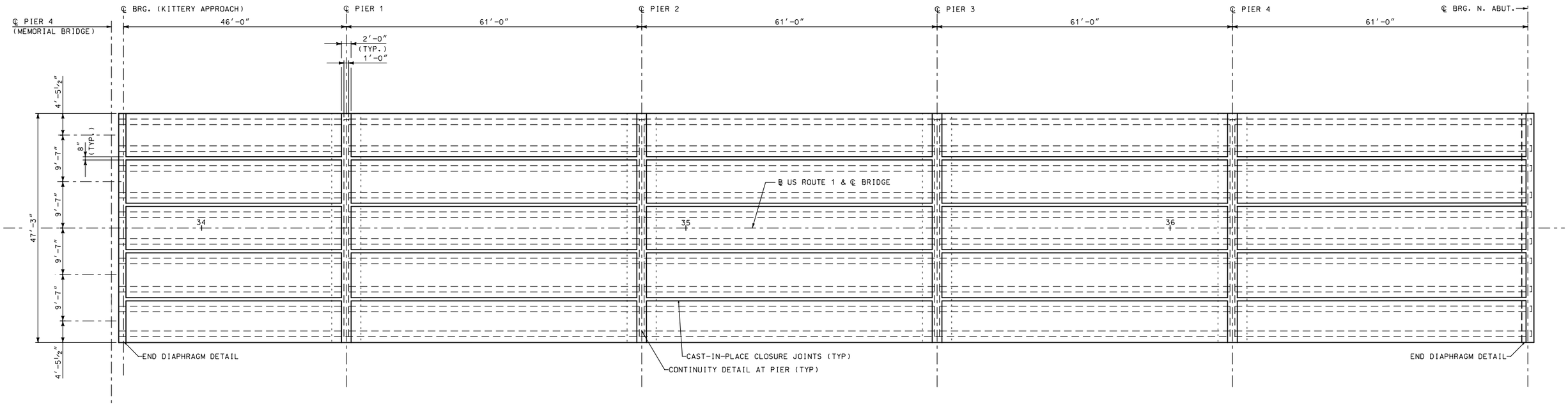
ABUTMENT PLAN, ELEVATION & SECTION

BRIDGE SHEET: B62 OF B71

FILE NUMBER: 107-1-1

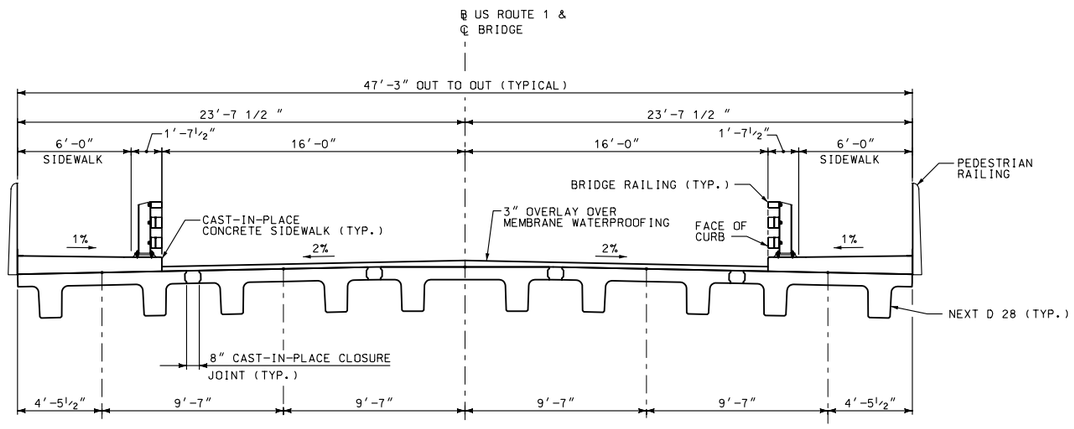
REVISIONS AFTER PROPOSAL		BY	DATE		BY	DATE
	DESIGNED	MTB	07/11	CHECKED	AT	07/11
	DRAWN	RJT	07/11	CHECKED	MTB	07/11
	QUANTITIES	MB	07/11	CHECKED	AT	07/11

ISSUE DATE		FEDERAL PROJECT NO.	SHEET NO.	TOTAL SHEETS
REV. DATE		.	71	104



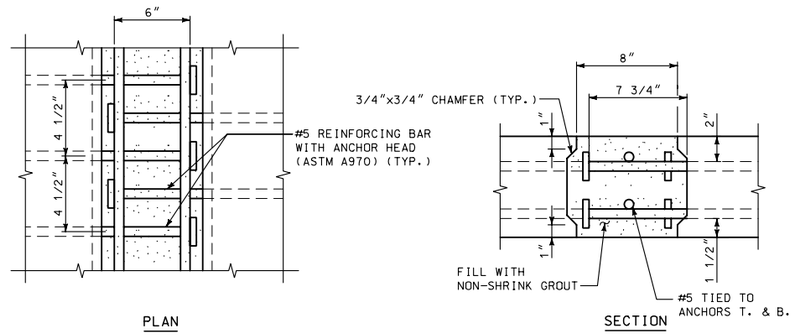
FRAMING PLAN – KITTERY APPROACH SPANS

1″ = 10′-0″



TYPICAL DECK SECTION

SCALE: ¼″ = 1′-0″



CAST-IN-PLACE CLOSURE JOINT DETAILS

NOT TO SCALE

NOTES:

1. FOR CONTINUITY DETAIL AND END DIAPHRAGM DETAILS SEE SHEET B64.

PRELIMINARY PLANS
SEPTEMBER 12, 2011

ARCHER WESTERN CONTRACTORS

HNTB Corporation
The HNTB Companies
Engineers Architects Planners

SUBDIRECTORY	.DGN LOCATOR	SHEET SCALE
Kittery Approach	13678 - B63	AS NOTED

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN

TOWN PORTSMOUTH, NH. - KITTERY, ME. BRIDGE NO. 247/084 STATE PROJECT 13678

LOCATION U.S. ROUTE 1 OVER PISCATAQUA RIVER

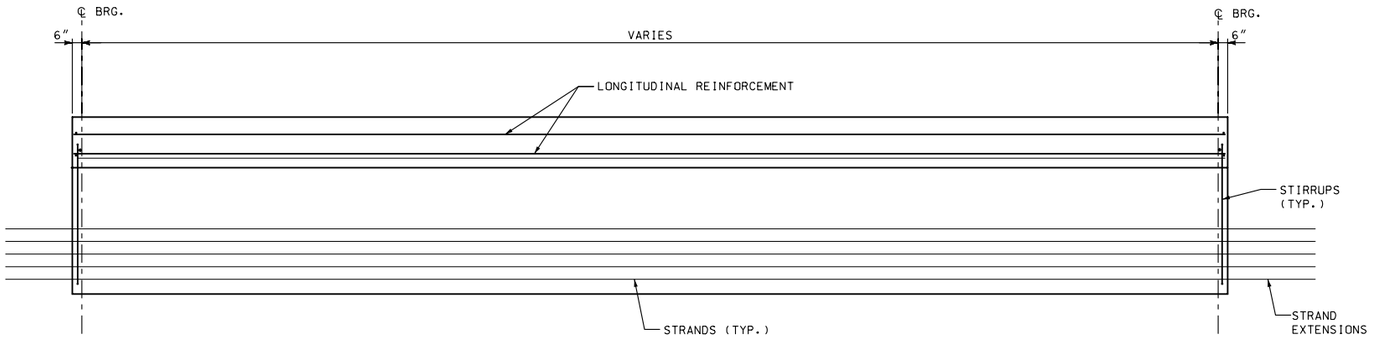
FRAMING PLAN & TYPICAL SECTION

BRIDGE SHEET: B63 OF B71

FILE NUMBER: 107-1-1

REVISIONS AFTER PROPOSAL	BY	DATE		BY	DATE
	DESIGNED	MTB	07/11	CHECKED	AT 07/11
	DRAWN	RJT	07/11	CHECKED	MTB 07/11
	QUANTITIES	MB	07/11	CHECKED	AT 07/11
	ISSUE DATE		FEDERAL PROJECT NO.		SHEET NO.
	REV. DATE		.		72

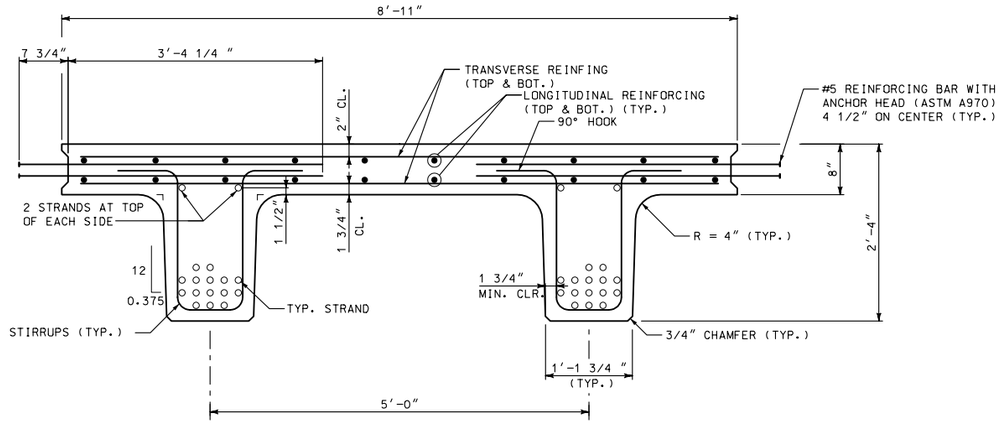
TOTAL SHEETS: 104



NOTE: END OF BEAM BLOCKOUTS NOT SHOWN

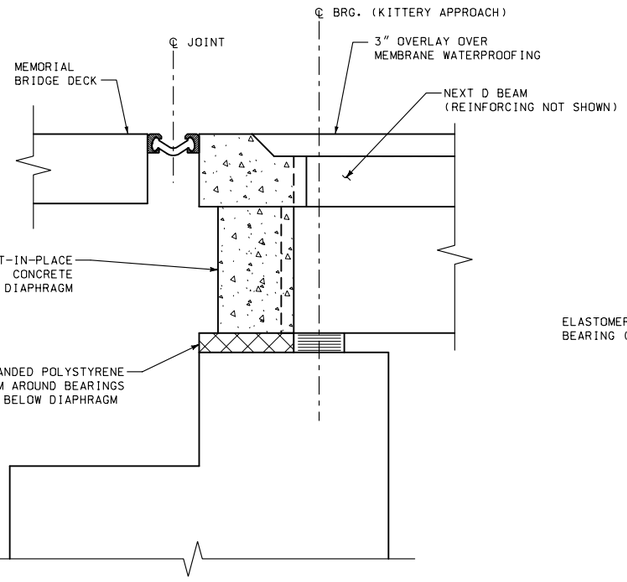
GIRDER ELEVATION

SCALE: HORIZ. 1/4″ = 1′-0″
VERT. 1″ = 1′-0″



TYPICAL BEAM REINFORCEMENT

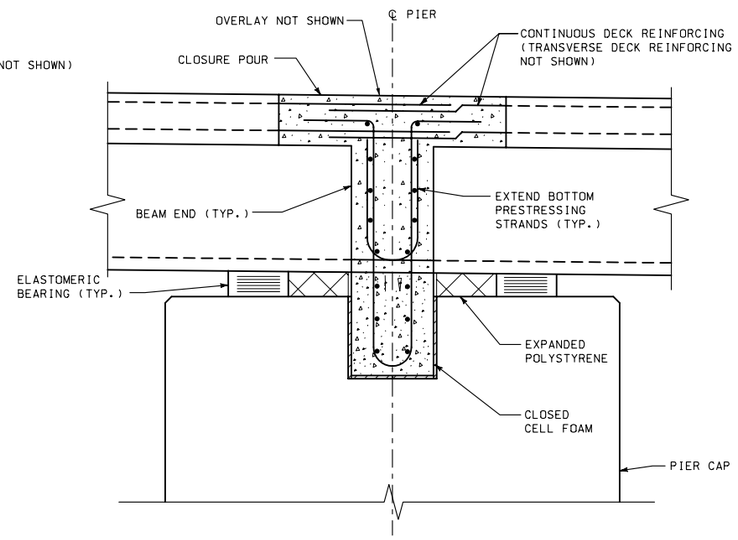
SCALE: 1″ = 1′-0″



NOTE: REINFORCING NOT SHOWN FOR CLARITY

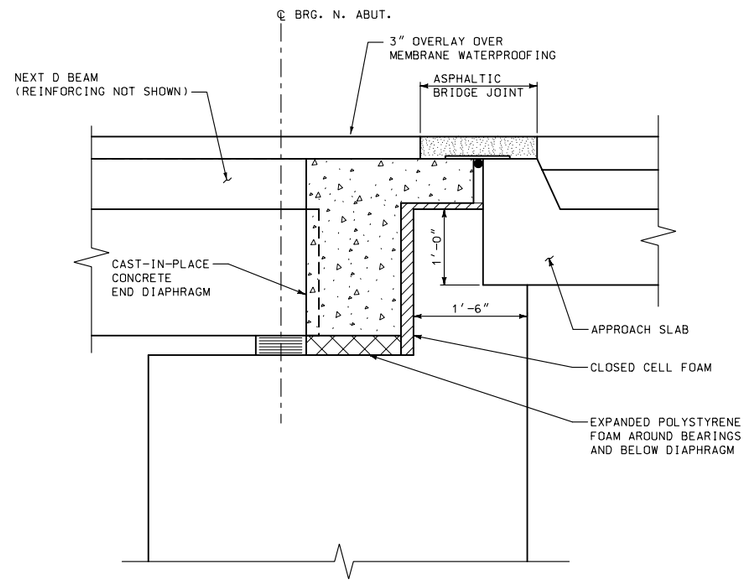
END DIAPHRAGM DETAIL (AT MEMORIAL BRIDGE PIER 4)

SCALE: 1″ = 1′-0″



TYPICAL CONTINUITY DETAIL AT PIERS

SCALE: 1″ = 1′-0″



NOTE: REINFORCING NOT SHOWN FOR CLARITY

END DIAPHRAGM DETAIL AT ABUTMENT

SCALE: 1″ = 1′-0″

PRELIMINARY PLANS
SEPTEMBER 12, 2011

ARCHER WESTERN CONTRACTORS

HNTB Corporation
The HNTB Companies
Engineers Architects Planners

SUBDIRECTORY	.DGN LOCATOR	SHEET SCALE
Kittery Approach	13678 - B64	AS NOTED

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN

TOWN PORTSMOUTH, NH. - KITTERY, ME. BRIDGE NO. 247/084 STATE PROJECT 13678

LOCATION U.S. ROUTE 1 OVER PISCATAQUA RIVER

GIRDER ELEVATION & SECTIONS

REVISIONS AFTER PROPOSAL	BY	DATE

	BY	DATE		BY	DATE
DESIGNED	MTB	07/11	CHECKED	AT	07/11
DRAWN	RJT	07/11	CHECKED	MTB	07/11
QUANTITIES	MB	07/11	CHECKED	AT	07/11
ISSUE DATE			FEDERAL PROJECT NO.		
REV. DATE			.		

BRIDGE SHEET	FILE NUMBER	SHEET NO.	TOTAL SHEETS
B64 OF B71	107-1-1	73	104