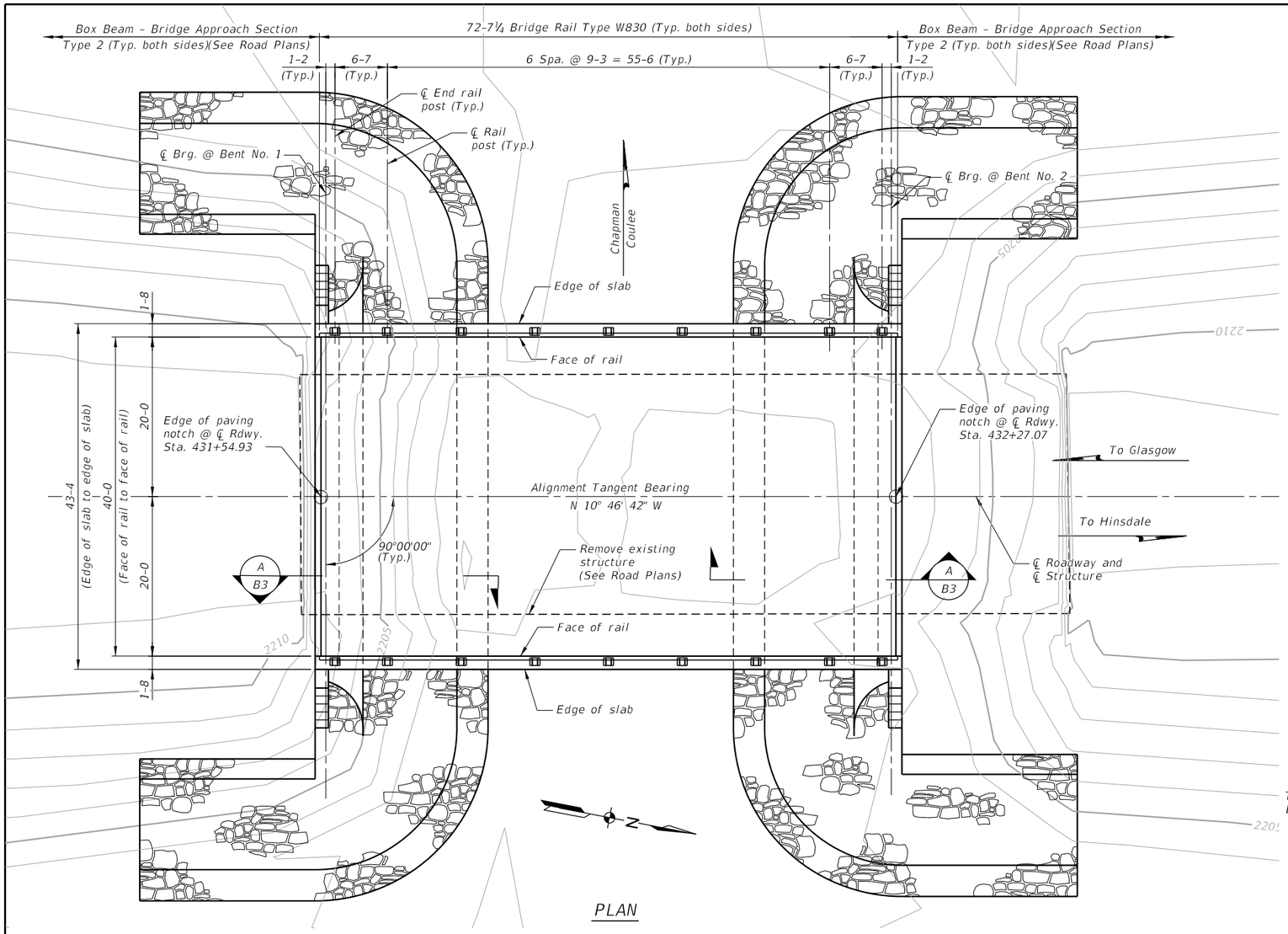
ENGINEERING CONSTRUCTION CONTRACTING SECTION
MONTANA DEPARTMENT OF TRANSPORTATION

As-Built Drawings

The following are as-built drawings for the structures. MDT provides them for informational purposes only. They do not include drawings for modifications to the structures, such as joint replacements and guardrail revisions and may not completely represent current conditions. Thus, some of the information contained in these documents may be out of date or not applicable with regard to the advertised project. The contractor should not rely solely on the as-built drawings provided for bidding purposes nor does any data in these files supersede the data in the contract documents.

Morrison Maierle

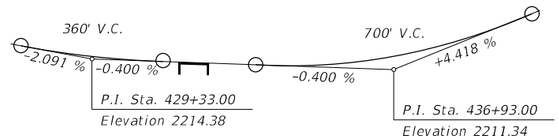


PLAN

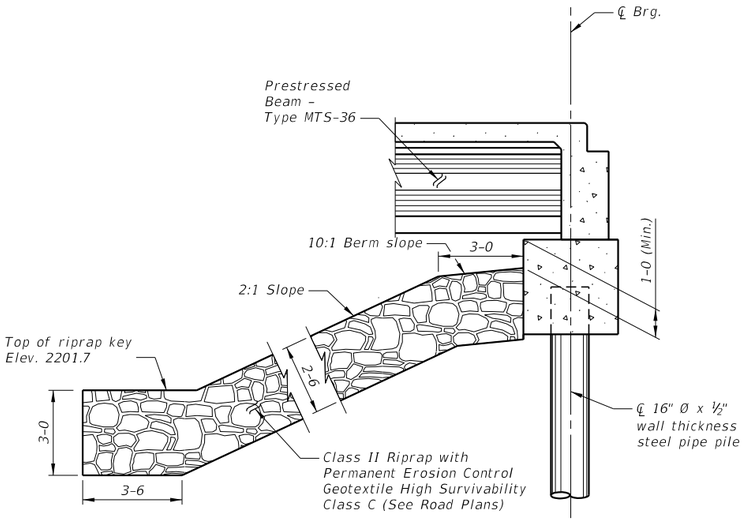
HYDRAULIC DATA

Drift:	None
Ice:	None
Low Scour Elevation (Q500):	2,200.4
Drainage Area:	4.4 sq. mi.
Ordinary High Water Elevation	None
Q2 Elevation	2,203.3
Q50 Elevation	2,205.9
Q100 Flow	1,050 cfs
*Q100 Elevation	2,206.4
Q100 Velocity	9.0 fps
Actual Low Beam Elevation:	2,208.8
Allowable Low Beam Elevation:	2,207.7

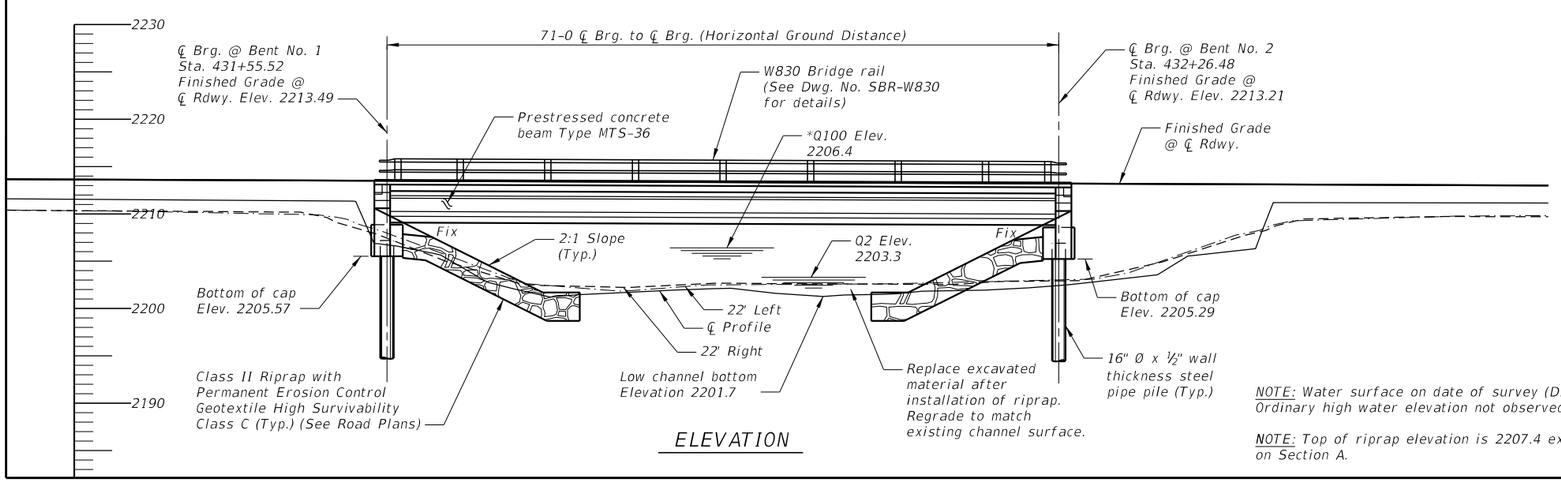
Also see Hydraulic Data Summary sheet.
*Q100 Elevation includes backwater



PROFILE GRADE
No Scale



A / B3 SECTION A
Scale ~ ⅜" = 1'–0"



ELEVATION

NOTE: Water surface on date of survey (Dry) (12–01–20). Ordinary high water elevation not observed.

NOTE: Top of riprap elevation is 2207.4 except as shown on Section A.

STATE PLANE COORDINATES: Stations shown on the bridge plans are state plane grid stations based on (NAD 83–2011). Dimensions shown on the bridge plans are horizontal ground distances and not state plane grid distances. The combination scale factor (CSF) at this location is 0.99955563.

Horizontal ground distance x CSF = Grid Distance
Grid Distance/CSF = Distance to stake.

NOTE: Utilities not shown.

CAST IN PLACE CONCRETE: Unless otherwise approved or specified, use Concrete Class Structure for all substructre concrete and Concrete–Class Structure Low Slump for all substructure and curb concrete.

SHEET NO. B3

GENERAL LAYOUT

SCALE: ⅛" = 1'–0" Except as noted

BRIDGE OVER CHAPMAN COULEE

AT STA. 431+91.00

FEDERAL AID PROJECT STPB STWD(790)

COUNTY VALLEY

			B.N.K.	09–18–23
			D.A.D.	04–27–23
			J.G.S.	04–27–23
REVISED	REVISED	REVISED	CHECKED	DRAWN	DESIGNED

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MONTANA DEPARTMENT OF TRANSPORTATION MDT BRIDGE BUREAU

ROUTE N–1E

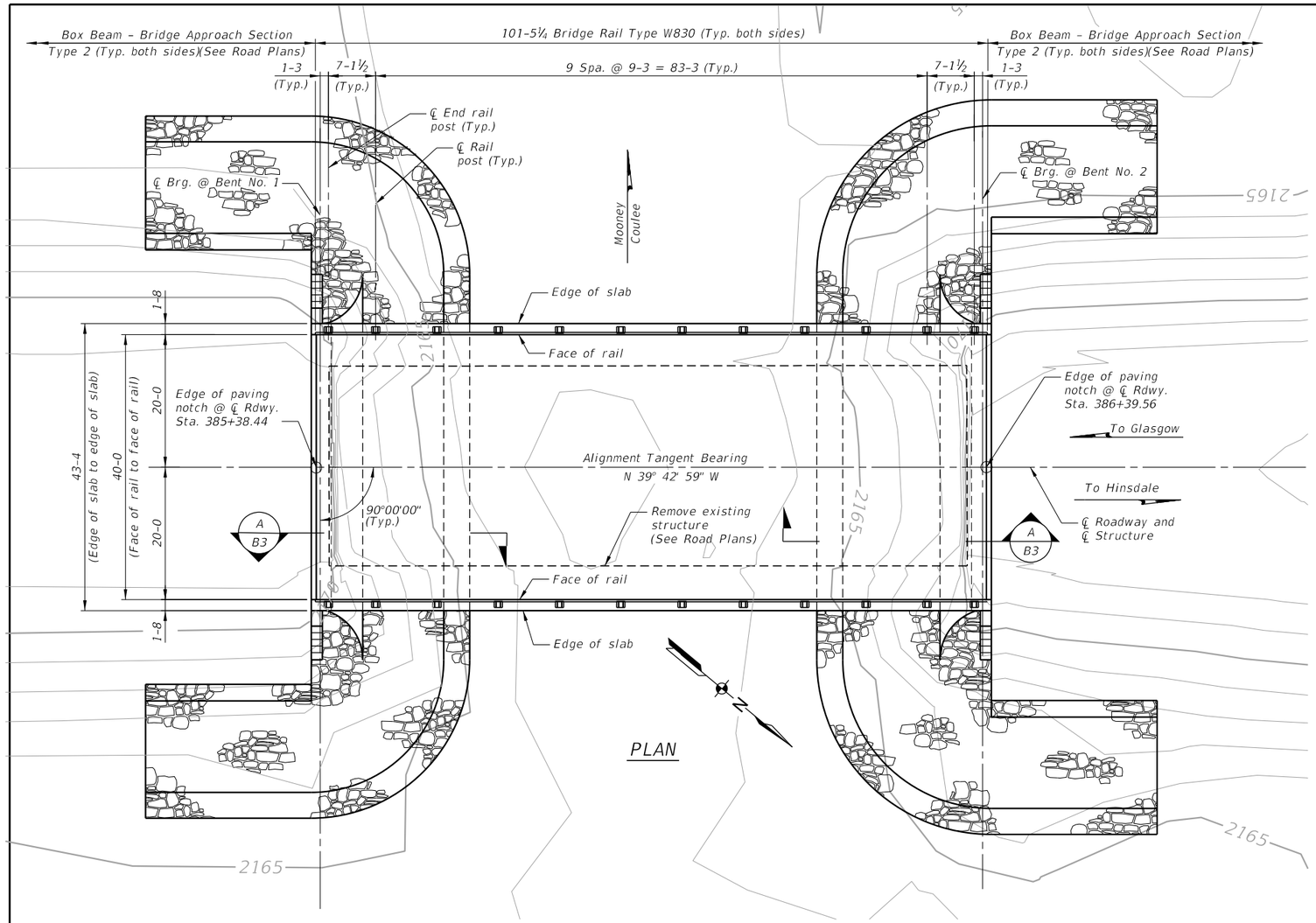
REF POINT 533+0.459

MDT STR. ID 05114

UPN NUMBER 9885000

DRAWING NO. 28440

Morrison Maierle

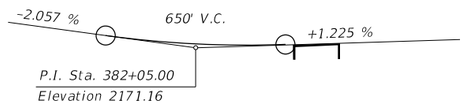


PLAN

HYDRAULIC DATA

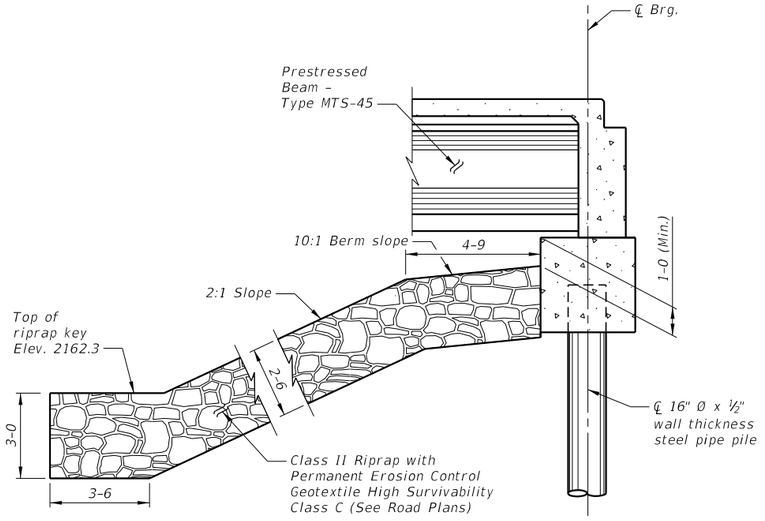
Drift:	None
Ice:	None
Low Scour Elevation (Q500):	2,158.8
Drainage Area:	13.8 sq. mi.
Ordinary High Water Elevation	None
Q2 Elevation	2,164.8
Q50 Elevation	2,167.4
Q100 Flow	1,920 cfs
*Q100 Elevation	2,168.2
Q100 Velocity	6.9 fps
Actual Low Beam Elevation:	2,170.1
Allowable Low Beam Elevation:	2,169.5

Also see Hydraulic Data Summary sheet.
*Q100 Elevation includes backwater



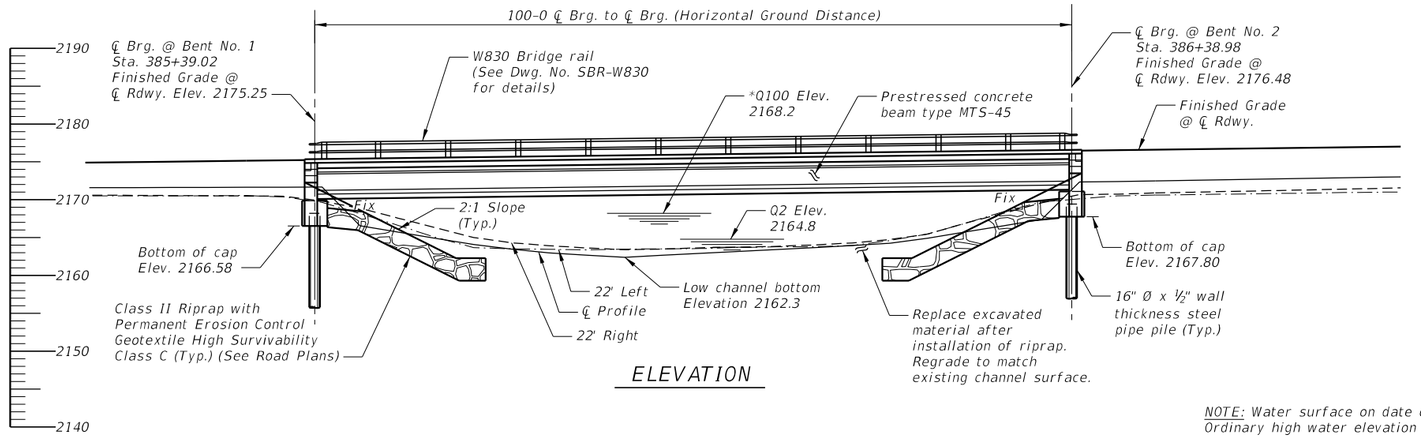
PROFILE GRADE

No Scale



A / B3 **SECTION A**

Scale ~ ⅜" = 1'–0"



ELEVATION

NOTE: Water surface on date of survey (Dry) (10–28–20). Ordinary high water elevation not observed.

NOTE: Top of riprap elevation is 2169.2 except as shown on Section A.

STATE PLANE COORDINATES: Stations shown on the bridge plans are state plane grid stations based on (NAD 83–2011). Dimensions shown on the bridge plans are horizontal ground distances and not state plane grid distances. The combination scale factor (CSF) at this location is 0.99955563.

Horizontal ground distance x CSF = Grid Distance
Grid Distance/CSF = Distance to stake.

NOTE: Utilities not shown.

CAST IN PLACE CONCRETE: Unless otherwise approved or specified, use Concrete–Class Structure for all substructure concrete and Concrete–Class Structure Low Slump for all superstructure and curb concrete.

SHEET NO. B3

GENERAL LAYOUT

SCALE: 1" = 10'–0" Except as noted

BRIDGE OVER MOONEY COULEE

AT STA. 385+89.00

FEDERAL AID PROJECT STPB STWD(790)

COUNTY VALLEY

REVISED				
REVISED				
REVISED				
CHECKED	12–28–23	C.E.B.		
DRAWN	11–27–23	D.A.D.		
DESIGNED	11–27–23	J.G.S.		

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MONTANA DEPARTMENT OF TRANSPORTATION MDT BRIDGE BUREAU

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ROUTE N–1E

REF POINT 534+0.329

MDT STR. ID 05115

UPN NUMBER 9885000

DRAWING NO. 28479