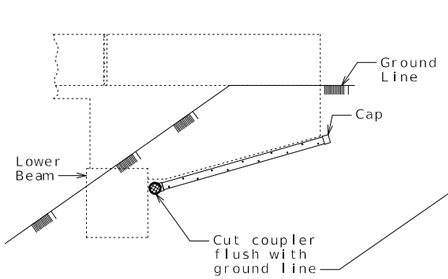
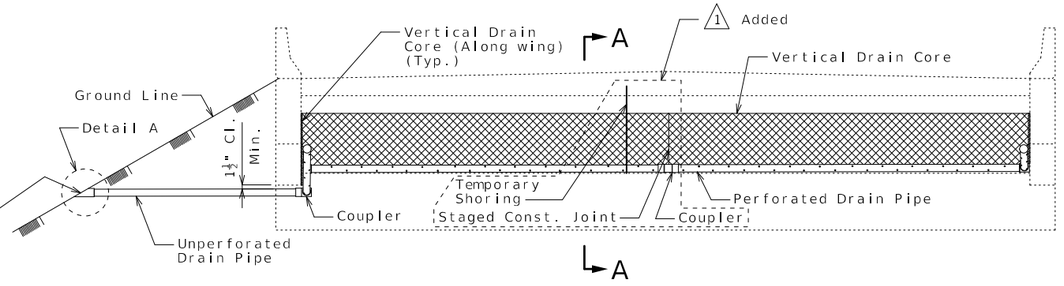
SEC/SUR 2 TWP 43N RGE 10W

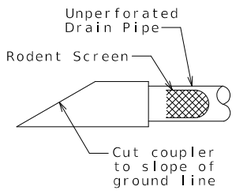
U.I.P. AND REHABILITATE EXISTING (91'-120'-91') CONTINUOUS COMPOSITE PLATE GIRDER SPANS (SKEW: 30° L.A.)



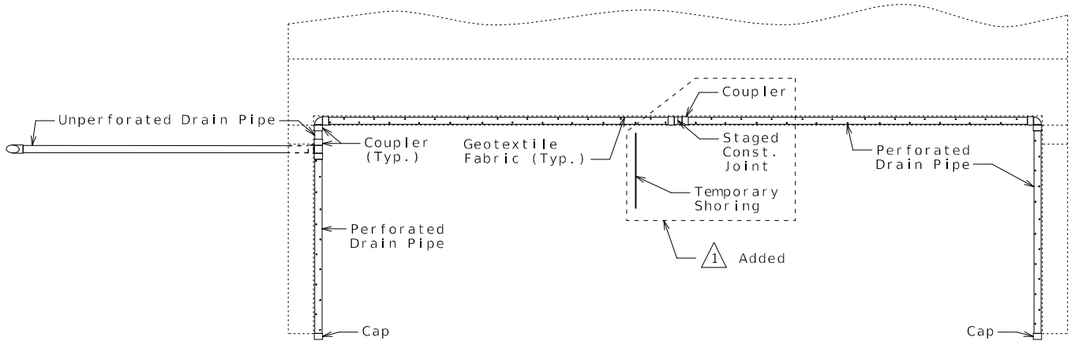
ELEVATION OF WING



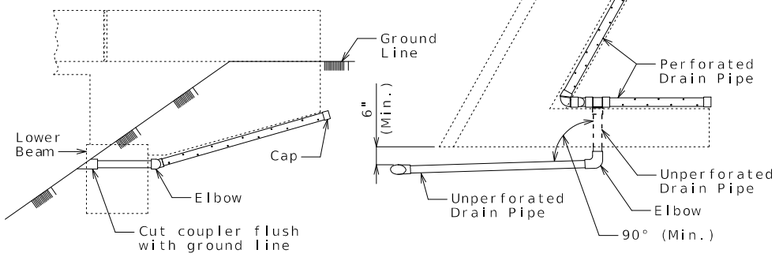
ELEVATION OF END BENT



DETAIL A

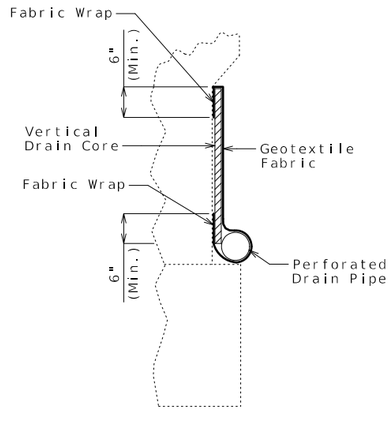


PLAN OF END BENT



ELEVATION OF WING PART PLAN

OPTIONAL TURNED DRAIN
(Use only when straight drain is not practical.)



PART SECTION A-A
(Section thru wing similar)

General Notes:

Design Specifications:

2002 AASHTO LFD (17th Ed.) Standard Specifications

Miscellaneous:

Outline of existing work is indicated by light dashed lines. Heavy lines indicate new work.

Contractor shall verify all dimensions in field before ordering materials or finalizing the shop drawings.

Traffic Handling:

Traffic to be maintained on structure during construction. See roadway plans for traffic control.

Estimated Quantities

Item		Total
Bridge Approach Slab (Major)	sq. yard	192
Vertical Drain at End Bents	each	2
Temporary Shoring	lump sum	1

1 Added

Vertical Drain Notes:

All drain pipe shall be sloped 1 to 2 percent.

Drain pipe may be either 6-inch diameter corrugated metallic-coated steel pipe underdrain, 4-inch diameter corrugated polyvinyl chloride (PVC) drain pipe, or 4-inch diameter corrugated polyethylene (PE) drain pipe.

Drain pipe shall be placed at fill face of end bent and inside face of wings. The pipe shall slope to lowest grade of ground line, also missing the lower beam of end bent by a minimum of 1 1/2 inches.

Perforated pipe shall be placed at fill face side and inside face of wings at the bottom of end bent and plain pipe shall be used where the vertical drain ends to the exit at ground line.

1 REVISED

VERTICAL DRAIN AT END BENTS
(Squared end bent shown, skewed end bent similar)

BRIDGE: ROUTE 50 WB OVER MARIES RIVER
ROUTE 50 FROM ROUTE A TO ROUTE 63
ABOUT 0.2 MILES WEST OF ROUTE A
BEGINNING STATION 43+54.60 (Match Existing)

Detailed June 2026
Checked June 2026

Note: This drawing is not to scale. Follow dimensions.

STATE OF MISSOURI
TIMOTHY D. LEAF
NUMBER PE-2012000778
PROFESSIONAL ENGINEER
11/02/2026 3:34:36 PM
TIMOTHY D LEAF - CIVIL
MO-PE-2012000778

DATE PREPARED 11/2/2026
ROUTE 50 | STATE MO
DISTRICT BR | SHEET NO. 1
COUNTY OSAGE
JOB NO. JCD0106
CONTRACT ID.
PROJECT NO.
BRIDGE NO. A41881

DESCRIPTION | DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)