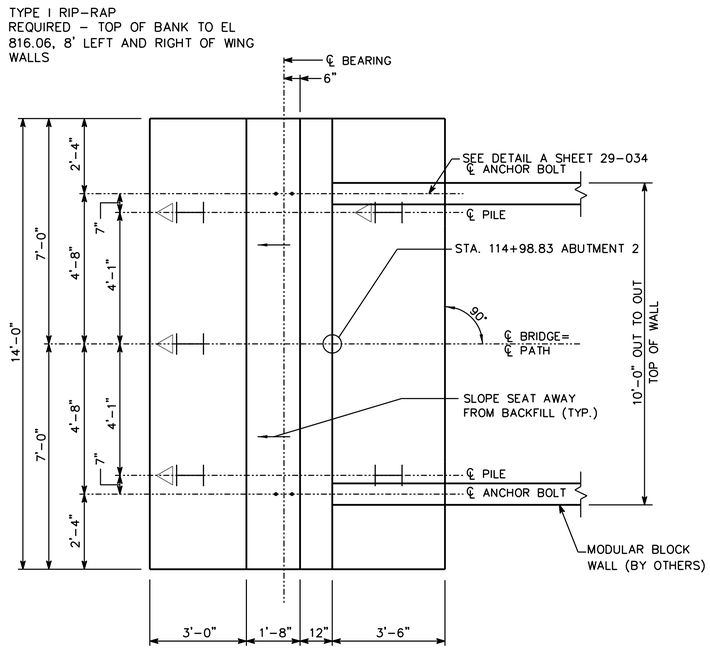
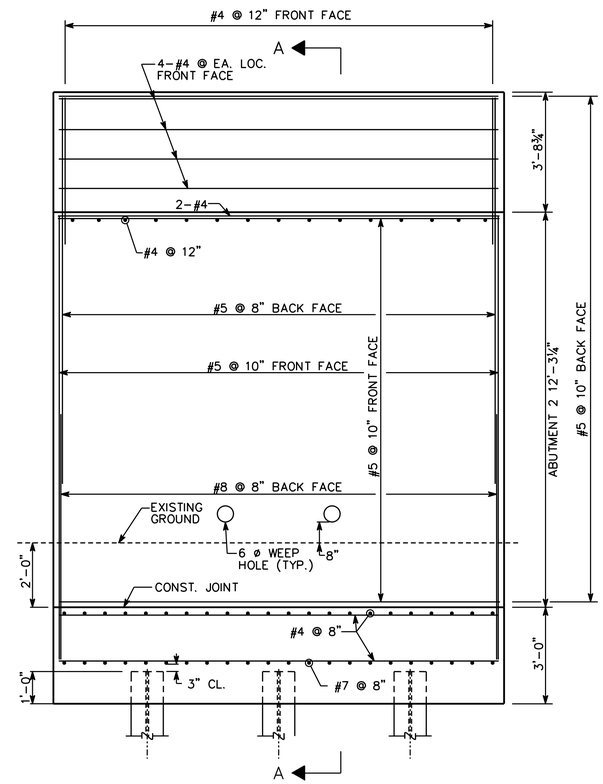
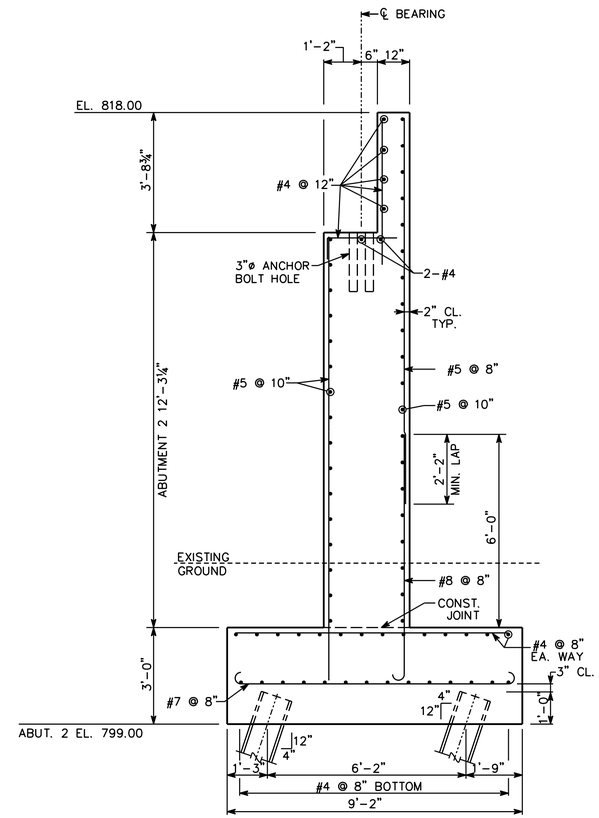


PLAN



ELEVATION



SECTION A–A

NOTES:

MAINTAIN 2" CL. ON REINFORCEMENT UNLESS OTHERWISE NOTED.

BOTTOM OF ABUTMENT AND WINGWALLS SHALL BE LEVEL.

FORMED HOLES. HOLES SHALL BE CLEAN AND FREE OF ALL RESIDUE PRIOR TO GROUTING.

ANCHOR BOLTS SHALL BE ASTM 307.
BOLTS SHALL BE HOT DIP GALVANIZED.

ANCHOR BOLT NUTS SHALL BE ASTM A563 HEAVY HEX NUTS.
NUTS SHALL BE HOT DIP GALVANIZED.

CONCRETE SHALL BE CLASS A, 3500 PSI PRIOR TO ERECTING BRIDGE.

STEEL REINFORCEMENT SHALL BE ASTM GRADE 60, fy = 60000 PSI.

BACKFILL TO MATCH EXISTING GRADE.

COMPACT ALL BASE AND BACKFILL TO 95% STANDARD PROCTOR DENSITY AS DETERMINED BY ASTM D 0698.

CHAMFER EXPOSED CORNERS AND EDGES 3/4".

165' ENGINEERED BRIDGE REACTIONS PER BASEPLATE:
29.5 KIPS DEAD LOAD
24.1 KIPS LIVE LOAD
15 KIPS HORIZONTAL TRANSVERSE WIND LOAD
14.4 KIPS HORIZONTAL LONGITUDINAL WIND LOAD

ALL PILES SHALL BE HP 12 X 53 AND MEET THE REQUIREMENTS OF ASTM A36 OR A709, GRADE 50. ALL PILES SHALL BE DRIVEN TO 105 TONS MINIMUM DRIVING RESISTANCE, AFTER REACHING A MINIMUM TIP ELEVATION OF 778 FT.

AS-BUILT

Archer Western Contractors

Heath & Lineback Engineers
INCORPORATED
2390 CANTON ROAD, BUILDING 200
MARIETTA, GEORGIA 30066-5393
(770)424-1668

SCALE IN FEET
0 2 4 8

SCALE: ½" = 1'-0"

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

OFFICE: Innovative Program Delivery

PEDESTRIAN BRIDGE 2
ABUTMENT DETAILS 2

S.R. 400/ I-85
CONNECTOR RAMPS

DRAWING No.
29-033.1

3/1/2007 GPLN