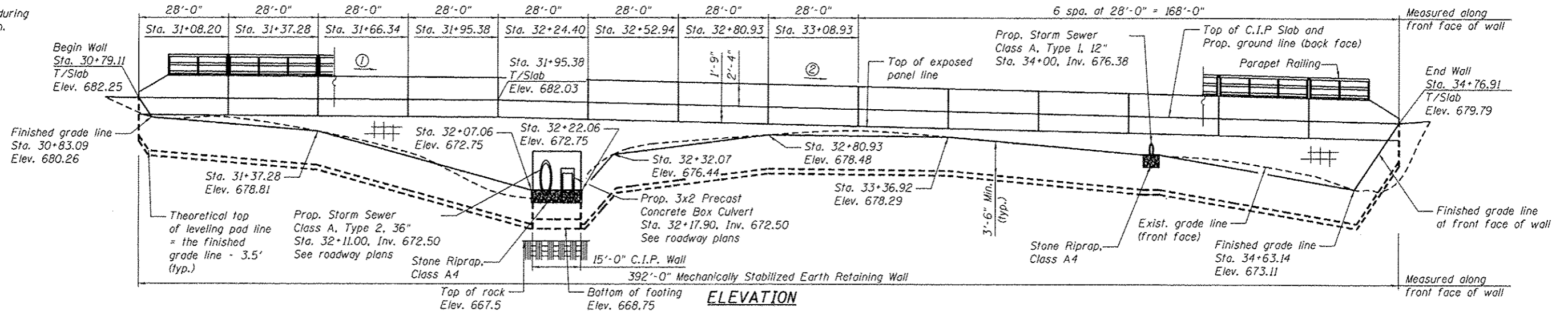


Benchmark:
 "□" cut on north end or concrete headwall on east side of IL. Route 31,
 ±250' north of Mooseheart Road. Elevation = 684.68

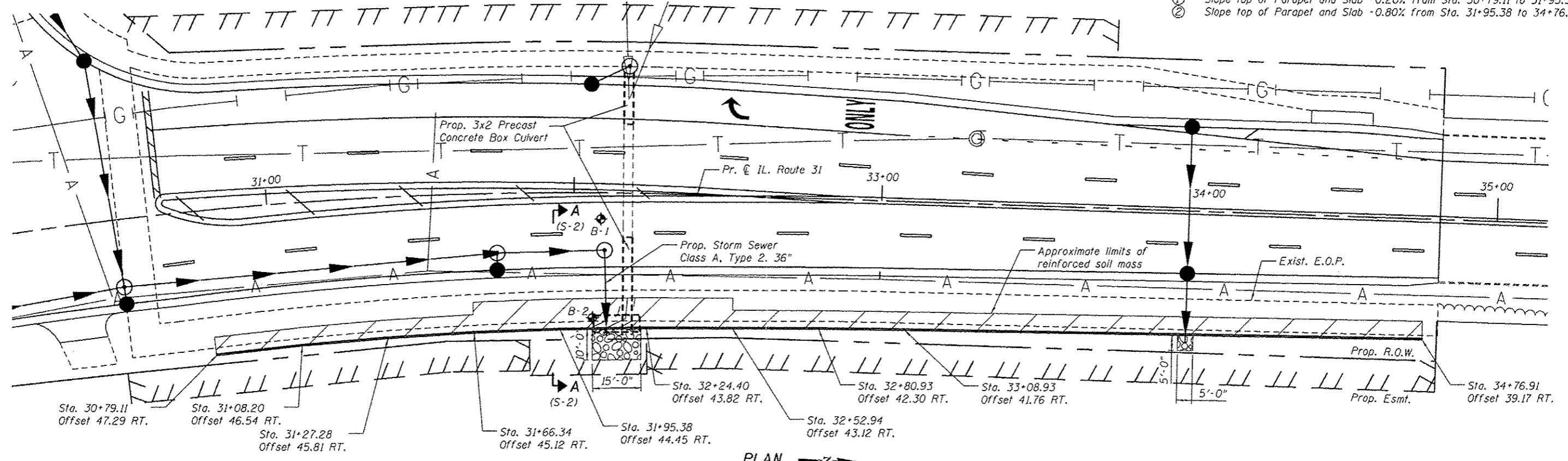
Note:
 Offsets are measured from Prop. C of
 IL. Rte. 31 to the front face of wall.

Existing Structure: None

To be constructed during
 Stage I construction.
 See roadway plans.



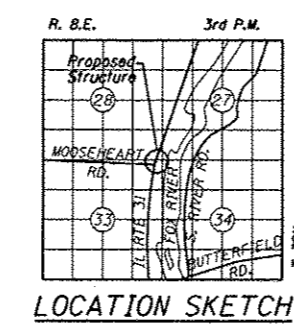
① Slope top of Parapet and Slab -0.20% from Sta. 30+79.11 to 31+95.38
 ② Slope top of Parapet and Slab -0.80% from Sta. 31+95.38 to 34+76.91



DESIGN SPECIFICATIONS
 2010 AASHTO LRFD Bridge Design Specifications,
 5th Edition with 2010 Interims

DESIGN STRESSES
FIELD UNITS
 f'c = 3,500 psi (Cast in place)
 f'c = 4,500 psi (Precast Units)
 fy = 60,000 psi (Reinforcement)

SEISMIC DATA
 Seismic Performance Zone (SPZ) = 1
 Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.037
 Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.101
 Soil Site Class = B



APPROVED
 For Structural Adequacy Only

Robert G. Davies
 Engineer of Bridges & Structures



GENERAL PLAN AND ELEVATION
 IL. ROUTE 31 / MOOSEHEART RD.
 FAU. RTE. 3887, SEC. AR-N-2
 KANE COUNTY
 STATION 30+79.11 TO 34+76.91
 STRUCTURE NO. 045-W015

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: HRGreen.com
 CLIENT: HRGreen.com
 DATE PLOTTED: 7/31/2012 2:03:50 PM
 FILE NAME: 85100196.14-Rppn-01.dwg
 PLOT DRIVER: pdfplot
 PEN TABLE: Struct 20x24.tbl

USER NAME = whood	DESIGNED - M. HARDING	REVISED
	CHECKED - R. DAVIES	REVISED
PLOT SCALE =	DRAWN - W. HOOD	REVISED
PLOT DATE = 7/31/2012	CHECKED -	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SHEET NO. S-1 OF S-5 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	AR-N-2	KANE	45	45
CONTRACT NO. 60P65				
ILLINOIS FED. AID PROJECT				