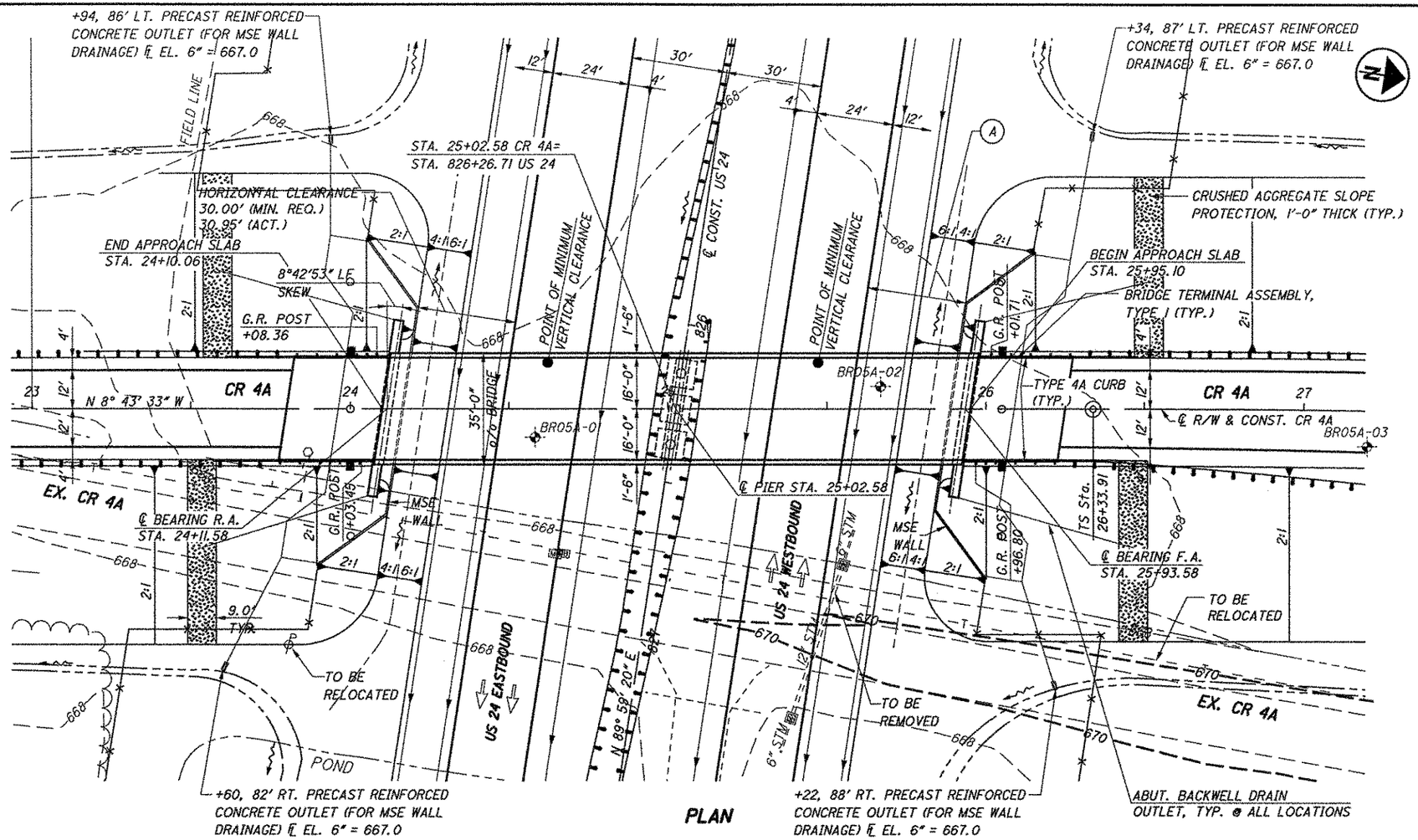
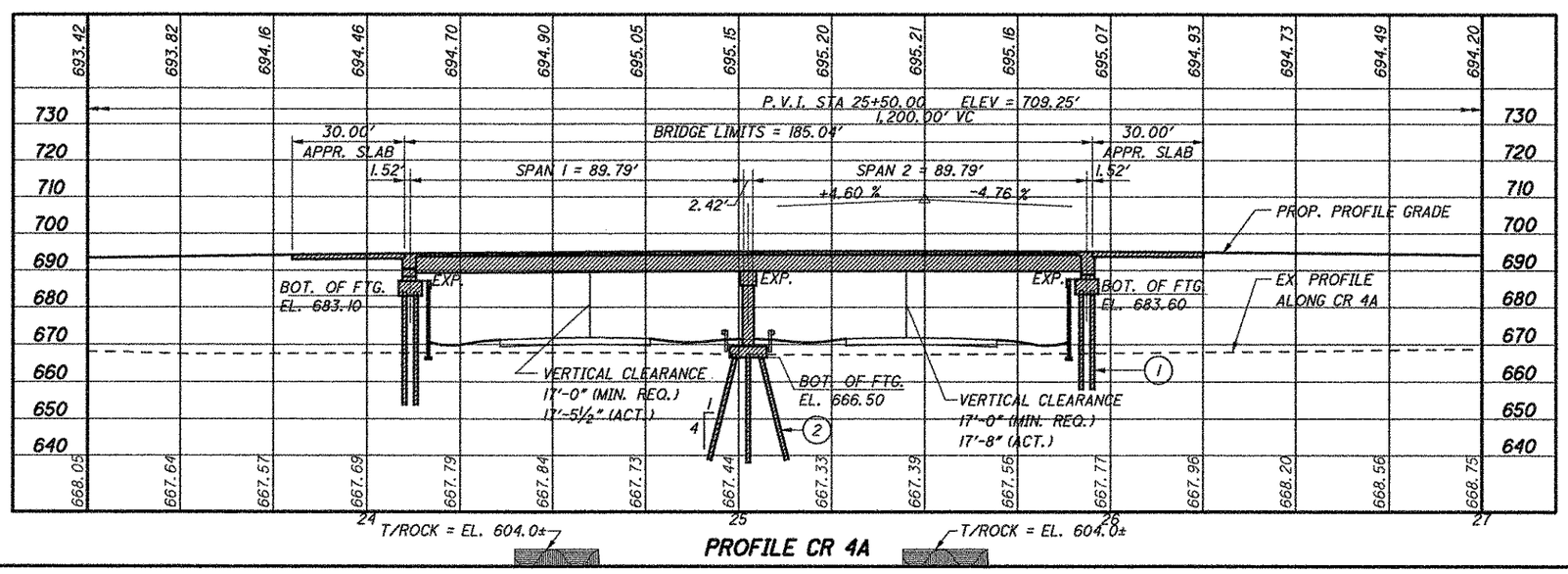


PLAN



PROFILE CR 4A

BENCHMARK DATA

BM STA. 25+38.30, ELEV. 667.87, OFFSET 96.9' RT. CR 4A

FOR ADDITIONAL BENCHMARK INFORMATION. SEE ROADWAY PLAN SHEET 9 OF 775.

FOR REFERENCE POINTS SEE ROADWAY SHEET 728 OF 775.

NOTES

EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

REFER TO STD. DWG. DM-4.1 FOR DRAINAGE FLUME DETAILS.

DESIGN TRAFFIC:
2008 ADT = 100 2008 ADTT = 10
2028 ADT = 100 2028 ADTT = 10
DIRECTIONAL DISTRIBUTION = 0.55

LEGEND

- SOIL BORING LOCATION
- PIEZOMETER
- SETTLEMENT PLATFORM

(A) HORIZONTAL CLEARANCE 30.00' (MIN. REQ.) 30.95' (ACT.)

(1) HP10x42 STEEL PILES ESTIMATED PILE LENGTH = 85' (TYP. @ ABUT.) PROVIDE SLEEVES THROUGH MSE BACKFILL

(2) HP12x53 STEEL PILES ESTIMATED PILE LENGTH = 70'

PROPOSED STRUCTURE

TYPE: TWO SPAN PRESTRESSED CONCRETE I-BEAM (AASHTO TYPE IV) WITH COMPOSITE REINFORCED CONCRETE DECK ON SEMI-INTERGRAL ABUTMENTS AND CAP AND COLUMN PIER

SPANS: 91'-0", 91'-0" C/C SUBSTRUCTURE
ROADWAY: 32'-0" TOE/TOE OF PARAPET
LOADING: HS25 AND ALTERNATE MILITARY, FWS=60 PSF
SKEW: 8°-42'-53" L.F.
APPROACH SLABS: 30' LONG (AS-1-81)
ALIGNMENT: TANGENT
WEARING SURFACE: MONOLITHIC CONCRETE
CROWN: 0.016 FT/FT
COORDINATES: LATITUDE N41° 26' 00"
LONGITUDE W83° 57' 30"

DESIGN AGENCY
PODGEMETER DESIGN GROUP, INC.
ARCHITECTS - ENGINEERS - PLANNERS
1166 NORTH MAIN STREET
BOWLING GREEN, OHIO 43402
FAX: (419) 352-1537

DESIGNED	DRAWN	REVIEWED	DATE
JTY	JEF	RRH	6-06
CHECKED	REVISED	STRUCTURE FILE NUMBER	
GAB		3506612	

HENRY COUNTY
STA. 24+10.06
STA. 25+95.10

SITE PLAN

BRIDGE No. HEN-24-1565
US 24 UNDER CR 4A

HEN-24-10.74
PID 80443

$FILE$ $DATE$ $TIME$