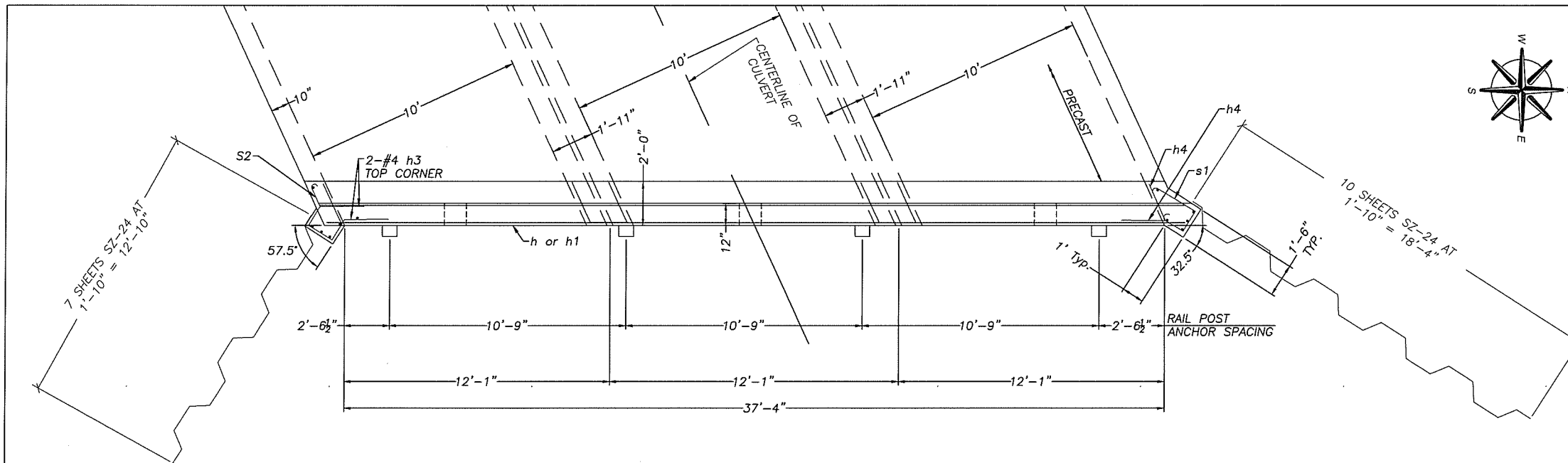
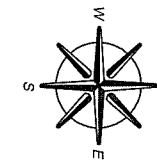
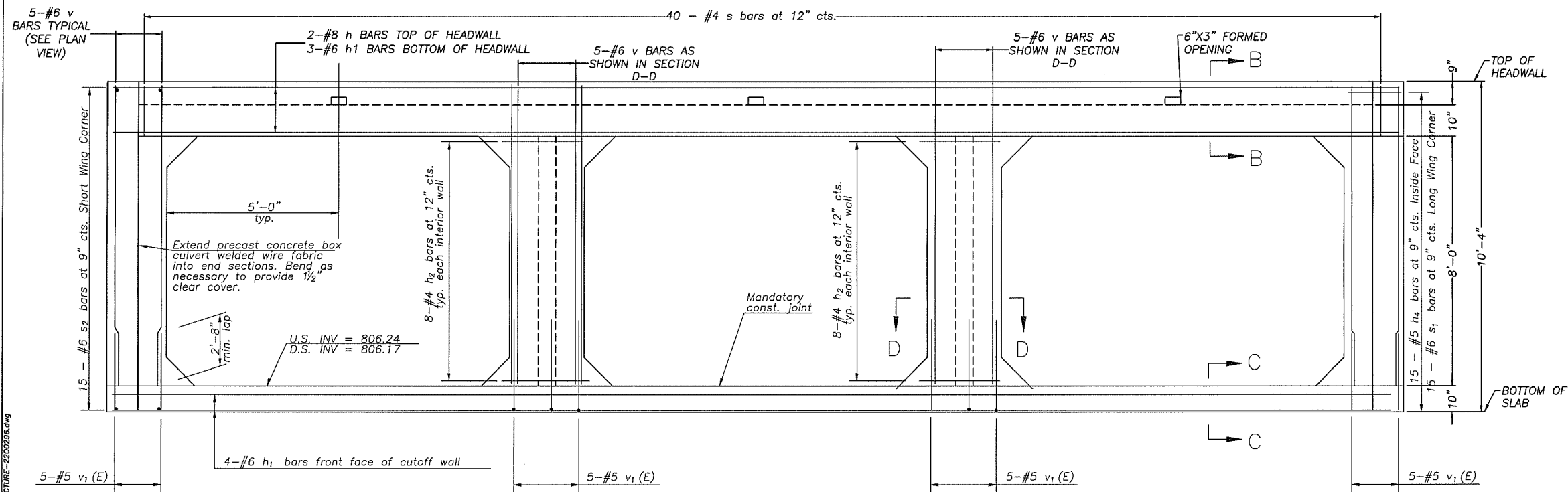


GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
 The design fill height for this structure is 1 foot. The precast concrete box culvert sections shall conform to the requirements of AASHTO M259.
 The minimum effective section modulus of the permanent sheet pile walls shall be as follows: SZ-15: 10.9 in³/ft SZ-24: 29.0 in³/ft
 The sheet pile cap shall be A992 steel.
 Areas of the precast box culvert in contact with cast-in-place concrete shall be sandblasted, cleaned, and wetted prior to placing concrete in the field according to Article 5003.09(b).
 The ends of the precast box sections adjacent to the end section shall be formed without the male and female shapes specified in Article 8.1 of AASHTO M259.
 The joints between precast box sections shall be sealed, all voids filled with mastic joint sealer. In addition, the joints shall be externally sealed on all four sides with a 13 inch wide external sealing bond. The seal shall be centered over the joint, secured in place and protected during the backfilling process.
 Remaining sheet piling shall not be driven until concrete strength has attained a minimum flexural strength of 650 psi or a minimum compressive strength of 3500 psi. All sheet piling may be driven prior to constructing collar. Adjust concrete corner dimensions to match sheeting.
 Collar dimensions assume a 10" wall thickness on the precast box sections. Adjustment of the cast in place reinforcing shall be required for other wall thicknesses.
 Precast section reinforcement shall be extended a minimum of 2 feet on the end sections at the collar.
 All construction joints to the precast shall be bonded.



COLLAR PLAN VIEW



SECTION THRU BARREL

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