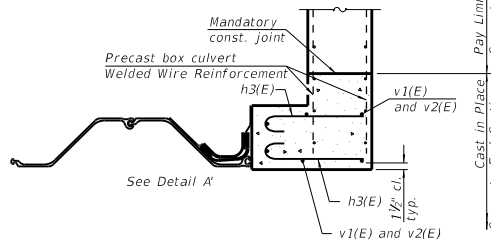
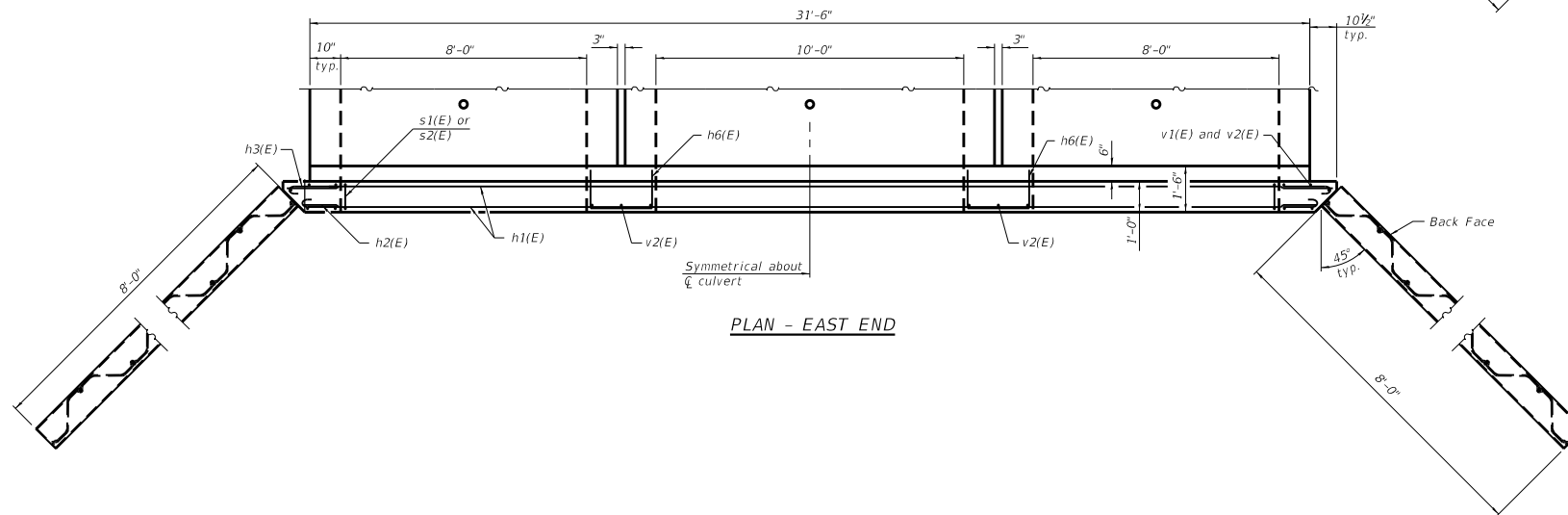
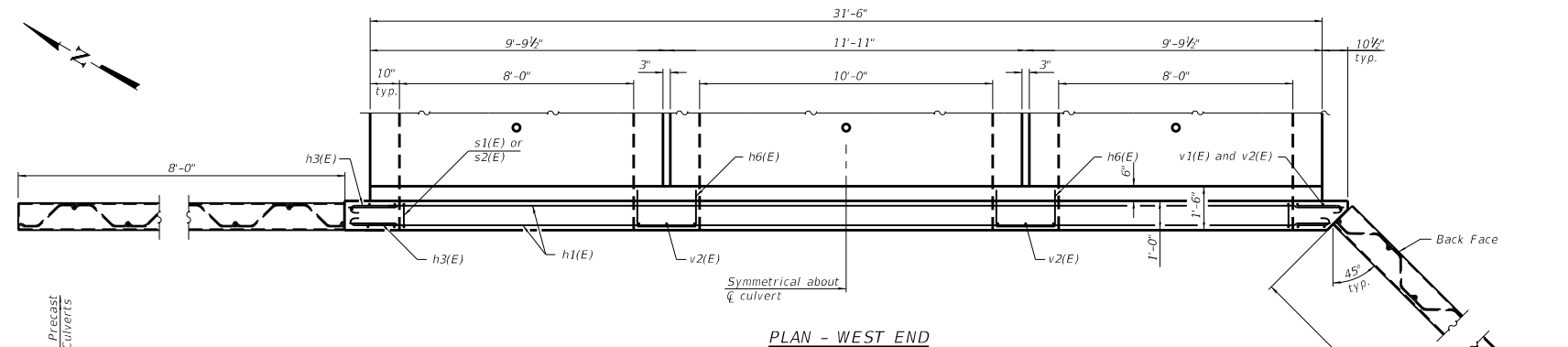
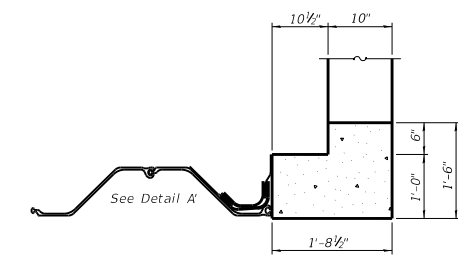


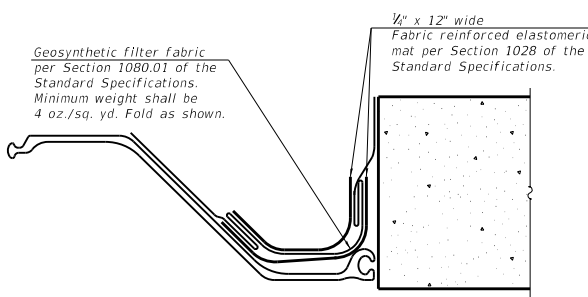
Note:
 The design fill height for this structure is 5 feet.
 The precast concrete box culvert sections shall conform to the standard designs of ASTM C 1577.
 The box culvert end section shall be built in the field and a precast option is not allowed except the cutoff wall may be precast. If the Contractor elects to use a precast cutoff wall, shop drawings and a proposed construction sequence shall be submitted to the Engineer for approval.
 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 503.09(b).
 The ends of the precast box sections adjacent to the end section shall be formed without male and female shapes.
 The joints between precast box sections shall be sealed, all voids filled with a mastic joint sealer. In addition, the joints shall be externally sealed on all four sides with a 13 inch wide external sealing band. The seal shall be centered over the joint, secured in place and protected during the backfilling process.
 Tilt h2 and h3 bars as required to maintain clearance.
 Extend precast concrete box culvert reinforcement into end section. Bend as necessary to provide 1 1/2" clear cover.
 See sheets CUL-3 & 4 of 10 for culvert construction sequence.
 See sheets CUL-7 & 8 of 10 for Section A-A, B-B, C-C, C'-C', D-D, and E-E.
 See sheet CUL-5 of 10 for additional wing wall details.
 Bars indicated thus 4 x 2-#5 etc. indicates 4 lines of bars with 2 lengths per line.



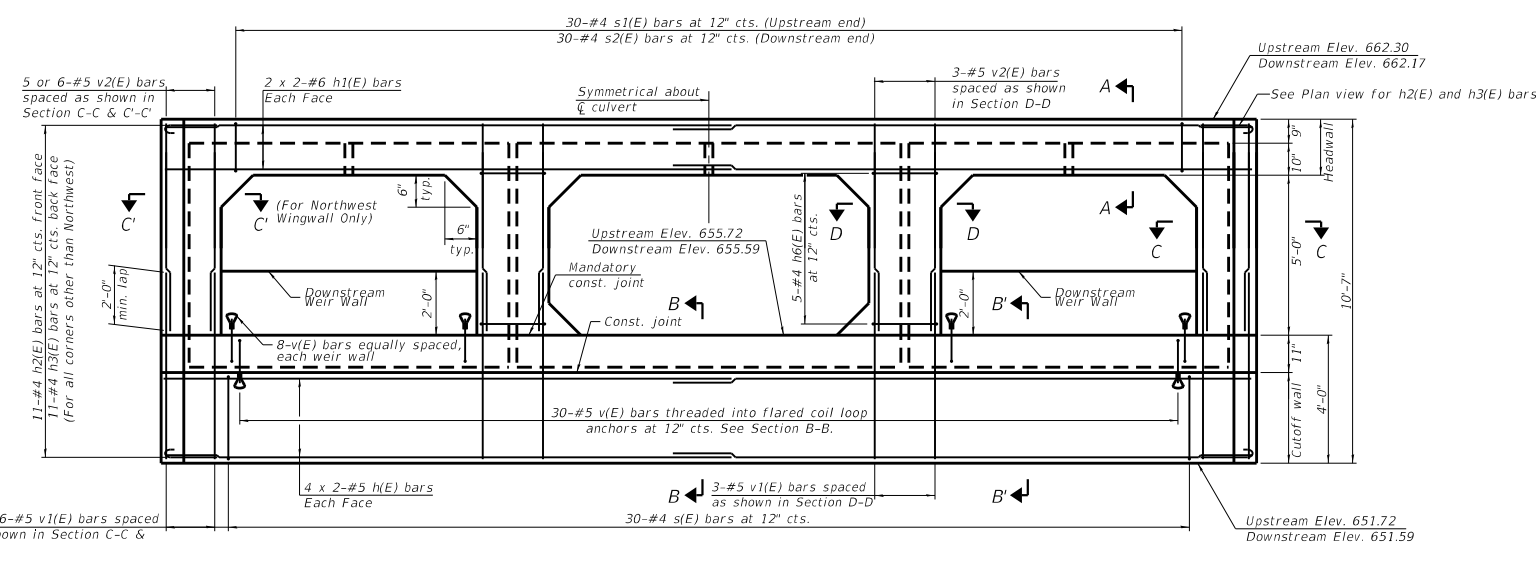
SECTION C'-C'
 Northwest Wingwall Only
 (Showing reinforcement)



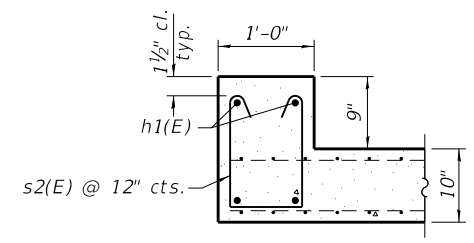
SECTION C'-C'
 Northwest Wingwall Only
 (Showing dimensions)



DETAIL A'



END ELEVATION (SHOWING REINFORCEMENT)
 (Wingwalls omitted in this view for clarity.)



TYPICAL INTERMEDIATE HEADWALL
 Intermediate headwalls to be precast

MODEL: 0222306-61M69-007
 FILE NAME: P:\00000000 - DOT\00000000\002 (ENG) - PTB 195-016 Phase II Var. Van.Engineering\WO 01 - IL83-IL306500 Drawings\01 CADD Drawings\0222306-61M69.dgn
 311 S. Wacker Drive, Suite 1950
 Chicago, Illinois 60606
 312-474-6500
 www.bowmanconsulting.com



USER NAME = atiemann	DESIGNED - KJH	REVISED -
PLOT SCALE = 3:0.0000 1" / 1'	CHECKED - AJN	REVISED -
PLOT DATE = 3/10/2021	DATE - 3/11/2021	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

END SECTIONS CULVERT - STRUCTURE NO. 022-8300	
SCALE:	SHEET CUL-07 OF CUL-10 SHEETS STA. TO STA.

F.A.P. RTE. 344	SECTION 2020-196-T	COUNTY DUPAGE	TOTAL SHEETS 122	SHEET NO. 62
CONTRACT NO. 62M69				
ILLINOIS FED. AID PROJECT				

CUL-07