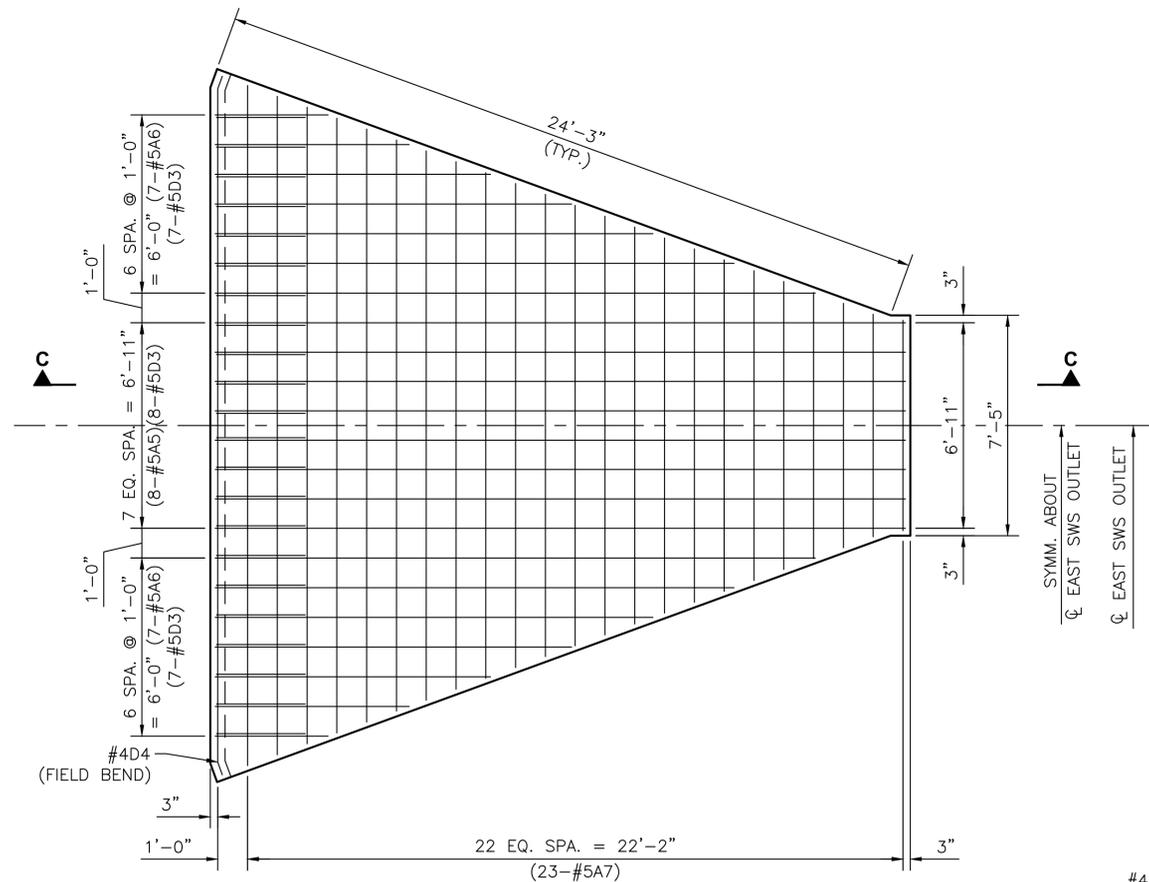
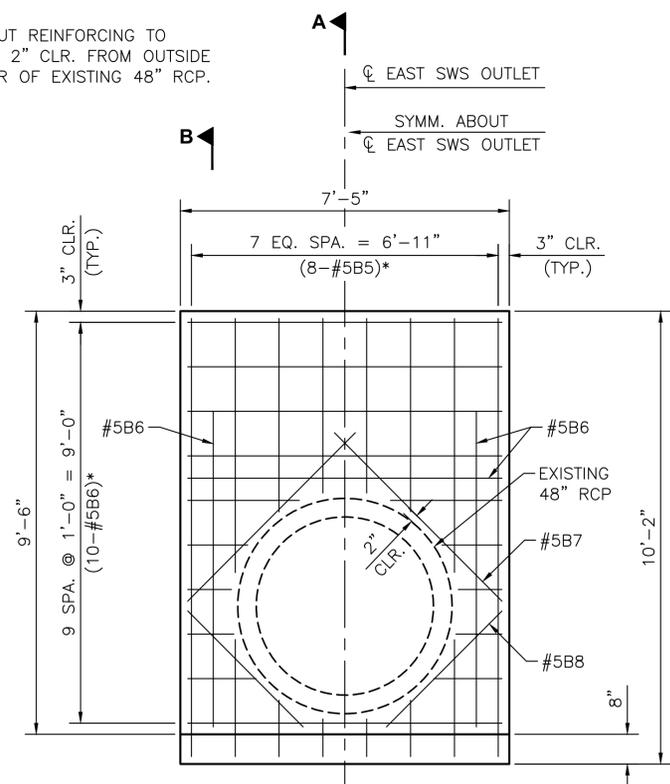


J:\PROJECTS\2023\20231010\431\_COW\_WDC\_BRIDGE REPLACEMENT AT 15TH STREET\100\_230431\_CAD\SHOTS\06\_CIVIL\SWIS\230431\_OUTFALL DETAILS.DWG  
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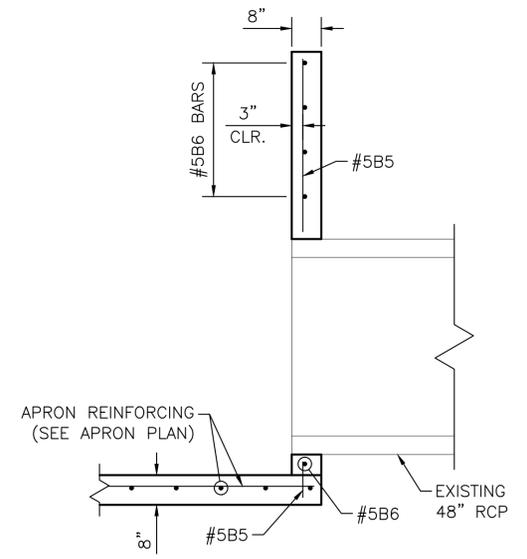


**APRON PLAN**

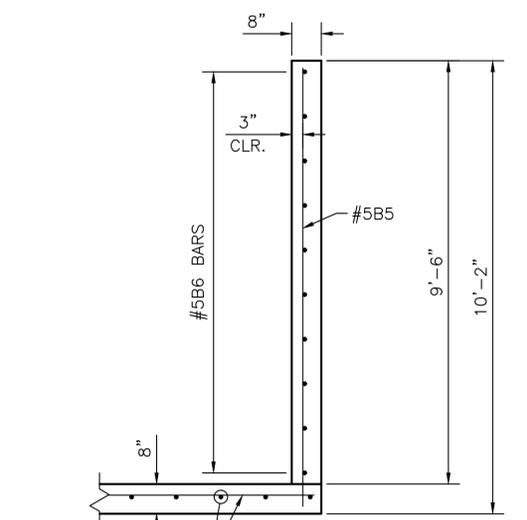
NOTE:  
 \* FIELD CUT REINFORCING TO PROVIDE 2" CLR. FROM OUTSIDE DIAMETER OF EXISTING 48" RCP.



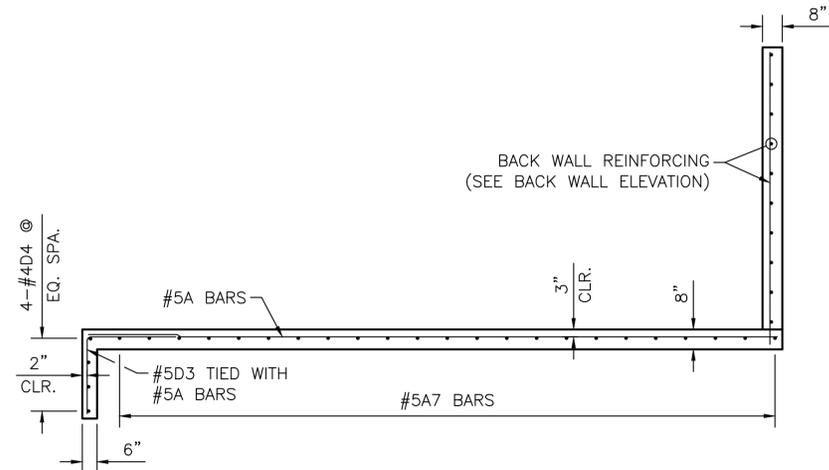
**BACK WALL ELEVATION**



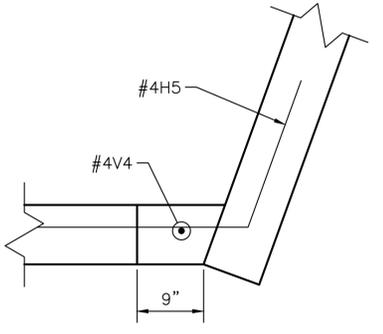
**SECTION A-A**



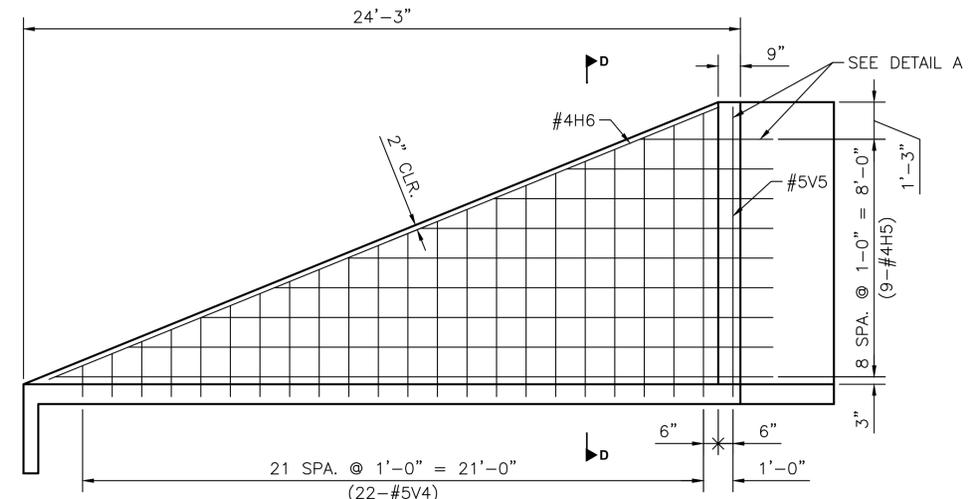
**SECTION B-B**



**SECTION C-C**

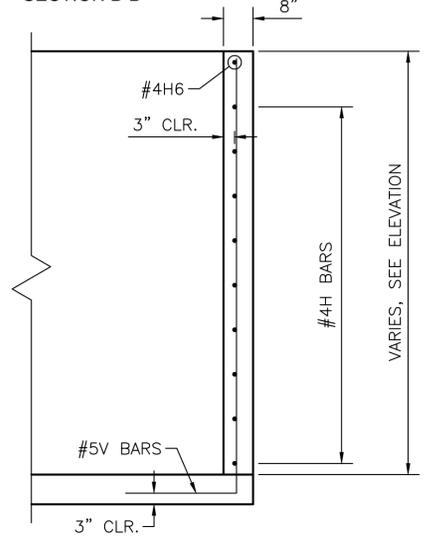


**DETAIL A**



**WINGWALL ELEVATION**

(APRON AND TOE WALL REINFORCING NOT SHOWN FOR CLARITY)



**SECTION D-D**  
 (APRON REINFORCING NOT SHOWN FOR CLARITY)

FOR INFORMATION ONLY

SUMMARY OF QUANTITIES (East Concrete Outfall)	
Concrete (Grade 4.0)	17.3 C.Y.
Reinforcing Steel (Gr. 60)	1,720 Lbs.
Foundation Stabilization*	7.7 C.Y.
Flap Gate, 48"	1 Ea.

\* Contractor to construct a 6-inch foundation stabilization under the outfall structure to a limit of 1 foot beyond the structure edges not protected by toe walls. The material shall consist of crushed rock conforming to ASTM C-33, Gradation No. 67, and shall meet the requirements for Portland Cement Concrete Pavement Course Aggregate, Section 406.2 of the City of Wichita Standard Specifications. Foundation stabilization shall be subsidiary to "Concrete (Grade 4.0)" and shall include all necessary excavation.



IMPROVEMENT PLANS FOR  
**15TH STREET BRIDGE OVER THE WICHITA DRAINAGE CANAL**  
 WICHITA, KS

EAST CONCRETE  
 OUTFALL DETAILS

PROJECT NO.  
 472-2023-085864

SCALE  
 NTS  
 DRAWN DESIGNED CHECKED  
 RAM JRA JRA

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	8-1-2025

SHEET NO.  
 27 OF 114

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