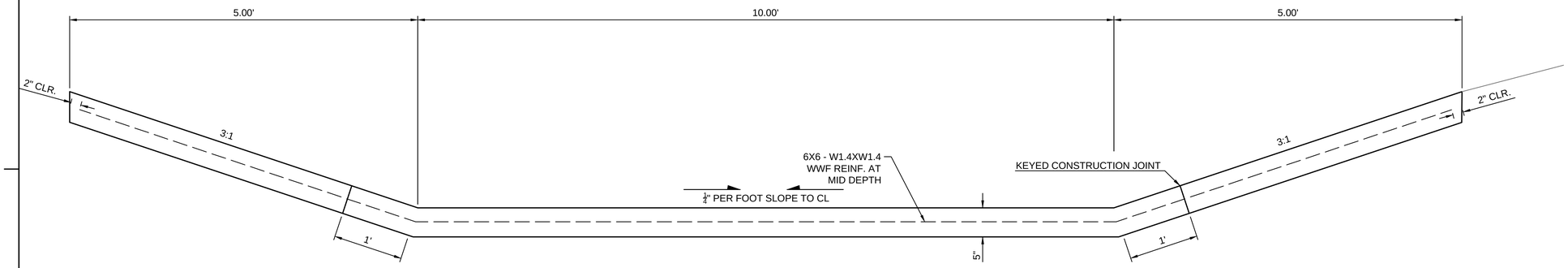
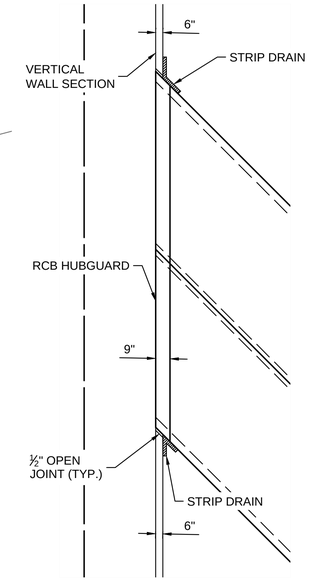
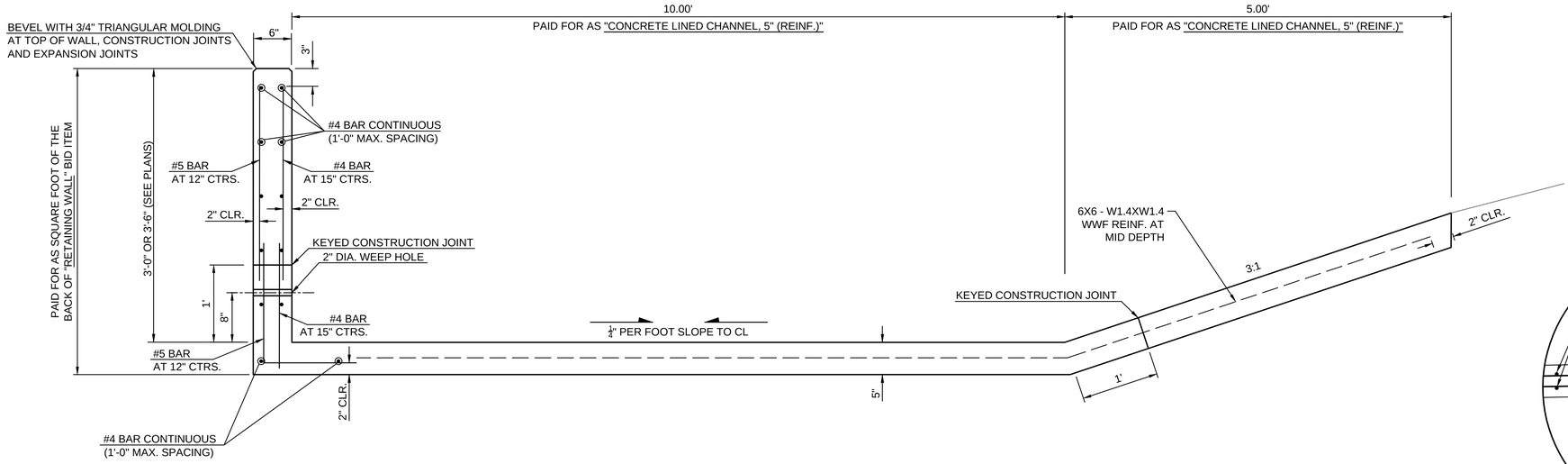


CONCRETE LINED CHANNEL DETAILS



RETAINING WALL AT RCBC

STA. 145+29.42
SWS LINE 8 TRANSITION
WITH RETAINING WALL



RETAINING WALL & CONCRETE LINED CHANNEL COMBINATION DETAILS

NOTE: WEEP HOLES AT A MAXIMUM OF 10' CENTER TO CENTER WITH COARSE AGGREGATE PLACED AT EACH WEEP HOLE 18" IN ALL DIRECTIONS ABOVE FLOW LINE.

CONCRETE SHALL BE CLASS "I" THROUGHOUT WITH GRADE 40 REINFORCING.

PLACE 1/2" HARDWARE SCREEN AT WEEP HOLES TO RETAIN AGGREGATE.

NOTE: CONTRACTION AND EXPANSION JOINTS IN RETAINING WALL SHALL MATCH THE JOINTS IN THE CONCRETE LINED DITCH. EXPANSION JOINTS TO BE SPACED AT 90' MAXIMUM. REINFORCING STEEL IN RETAINING WALL TO RUN CONTINUOUS THRU CONTRACTION JOINTS.

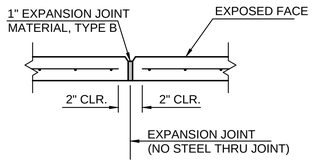
REINFORCING FOR DITCH LINING SECTION TRANSITIONING FROM SLOPED TO VERTICAL SHALL MATCH THE WELDED WIRE REINFORCEMENT USED IN THE SLOPED SECTION. WHERE THE SECTION TIES INTO THE VERTICAL SECTION, MILD STEEL REINFORCING SHALL BE EXTENDED FROM THE VERTICAL SECTION AS SHOWN IN DETAIL A.

GENERAL NOTES

CONCRETE: CLASS I SHALL BE USED THROUGHOUT. BEVEL ALL EXPOSED EDGES WITH A 3/4 INCH TRIANGULAR MOULDING. EXPOSED SURFACES SHALL BE GIVEN A RUBBED FINISH.

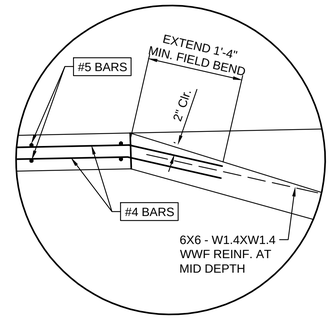
REINFORCING: ALL REINFORCING SHALL CONFORM TO A.S.T.M. A615, GRADE 60. ALL DIMENSIONS RELATIVE TO REINFORCING STEEL SHALL BE TO CENTERLINE OF BAR UNLESS OTHERWISE NOTED. BAR CLEARANCES SHALL BE 1 1/2 INCHES UNLESS OTHERWISE NOTED.

"RETAINING WALL" SHALL BE THE SQUARE FOOT OF FACE (SFF) CONSTRUCTED. THE MEASUREMENT SHALL BE FROM THE FOOTING TO THE TOP OF THE WALL. THIS PAYMENT SHALL BE CONSIDERED FULL COMPENSATION FOR ALL EXCAVATION, BACKFILLING, MATERIALS, LABOR, EQUIPMENT, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK.

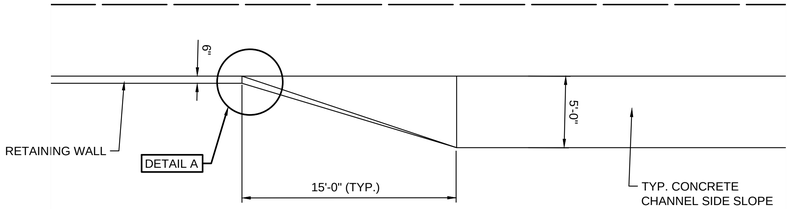


EXPANSION JOINT DETAIL

RETAINING WALL
(SPACING=90'-0" MAX.)



DETAIL A



RETAINING WALL TO TYPICAL CONCRETE LINED CHANNEL TRANSITION

PEC
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303 SOUTH TOPEKA
WICHITA, KS 67202
316-262-2691 www.pec1.com

CITY OF WICHITA

LUKE PETER
LICENSED
27413
10/11/2024
KANSAS
PROFESSIONAL ENGINEER

WEST STREET IMPROVEMENTS FROM MACARTHUR ROAD TO 47TH ST. SOUTH

CITY OF WICHITA

Issue:		

JOB NO.	210254-001
DATE	OCTOBER 2024
PM	TPA
DESIGNED BY	LGP
DRAWN BY	CP
CHECKED BY	KMS

CONCRETE LINED CHANNEL DETAILS

C008
8 OF 206

SAVED 10/2/2024 9:29:06 AM BY LUKE.PETER
PLOTTED 10/10/2024 1:29:59 PM BY LUKE.PETER
U:\WICHITA-CIVIL\2021\210254001\PEC\DRAWINGS\210254-001 DETAILS.DWG