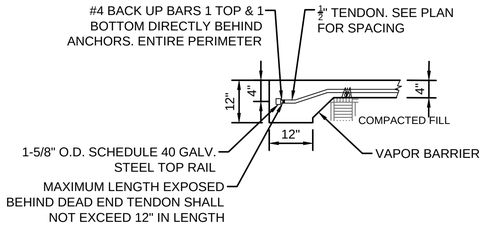
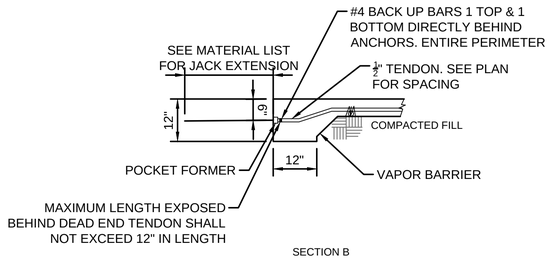


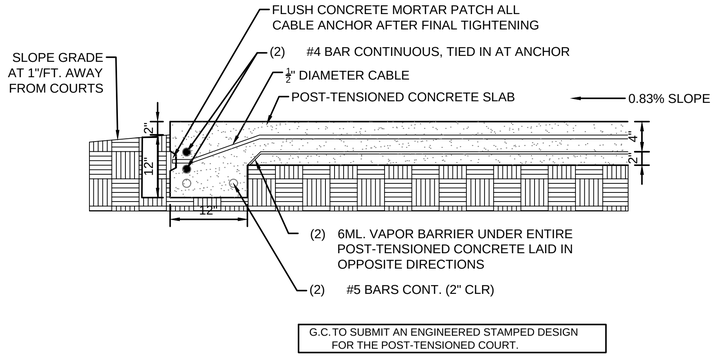
SECTION A



SECTION B

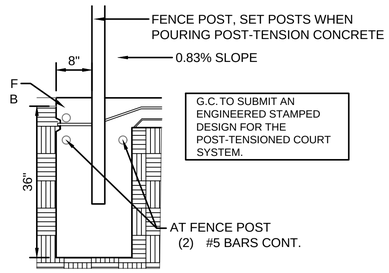
1 EDGE OF POST-TENSIONED COURTS

NOT TO SCALE



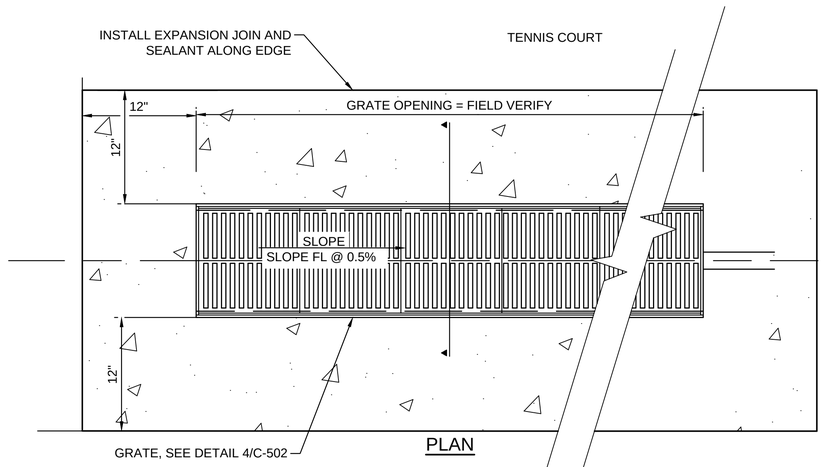
2 EDGE OF POST-TENSIONED COURTS

NOT TO SCALE



3 POST-TENSIONED COURTS

NOT TO SCALE



PLAN

NOTE
TIE IN FLOW LINE OF NEW TRENCH DRAIN TO THE EXISTING FLOW LINE OF THE TRENCH DRAIN RUNNING NORTH-SOUTH ALONG THE WEST EDGE OF COURT NUMBER 3. SLOPE NEW TRENCH DRAIN BACK TO THE WEST AT HALF PERCENT.

GRATE DIMENSIONS & TYPES									
INLET DIMENSIONS	APPROVED GRATES								
	NEENAH FOUNDRY CO.						DEETER FOUNDRY CO.		
W (IN.)	CATALOG NO.	GRATE DIM. A(IN.)	GRATE DIM. B(IN.)	CATALOG NO.	GRATE DIM. A(IN.)	GRATE DIM. B(IN.)	CATALOG NO.	GRATE DIM. A(IN.)	GRATE DIM. B(IN.)
36	R-4990-CX	12	1 1/2				3990-A	12	1 1/2

* TYPE A GRATE

1. THE TRENCH GRATE AND FRAME SHALL BE AS SHOWN ABOVE OR APPROVED EQUAL. THE GRATE SHALL BE THE HEAVY DUTY TYPE WITH A DESIGN LOADING OF HS20-44. THE GRATE AND FRAME MATERIAL SHALL BE GRAY CAST IRON CONFORMING TO THE REQUIREMENTS OF THE "STANDARD SPECIFICATIONS FOR GRAY IRON CASTINGS", ASTM A 48, GRADE 30.

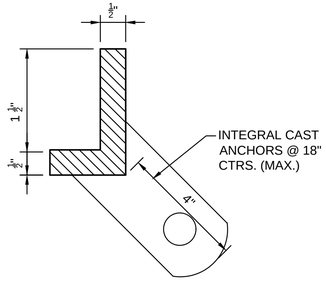
2. USE AIR-ENTRAINED CONCRETE WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI THROUGHOUT. AT THE CONTRACTOR'S OPTION THE MIX USED IN THE CONCRETE PAVEMENT MAY BE USED THROUGHOUT.

3. BEVEL ALL EXPOSED EDGES OF THE CONCRETE WITH A 3/4" TRIANGULAR MOLDING.

4. ALL REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF "STANDARD SPECIFICATIONS FOR DEFORMED AND PLAIN BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", ASTM A615, GRADE 60.

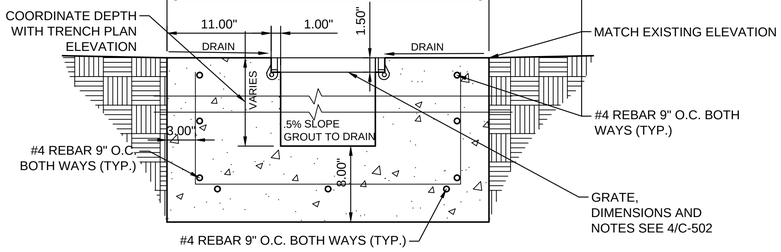
5. FLOOR OF TRENCH INLET SHALL BE SHAPED TO DRAIN USING 6-SACK SAND MIX CONCRETE.

4 GRATE DIMENSIONS AND NOTES



5 TYPICAL SECTION GRATE FRAME

NOT TO SCALE



6 SECTION A AT TRENCH DRAIN

NOT TO SCALE

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

CITY OF WICHITA

NICHOLAS L. STAIB LICENSED 7/8 05/12/2020 KANSAS LANDSCAPE ARCHITECT

RALPH WULZ RIVERSIDE TENNIS CENTER

551 NIMS STREET NORTH
WICHITA, KS 67203

Issue:		
1	100% FOR BID	5/11/20

JOB NO.	197042-015
DATE	11 MAY 2020
PM	NLS
DESIGNED BY	NLS
DRAWN BY	RFT
CHECKED BY	NLS

MISCELLANEOUS DETAILS

C-502
---- OF XXX

SAVED 4/17/2020 1:32:55 PM BY RFT
PLOTTED 5/12/2020 9:51:34 AM BY ROY THOMAS
U:\WICHITA-CIVIL\2019\197042\015\MUNIDRAWINGS\PLANS\197042-015-C-502.DWG