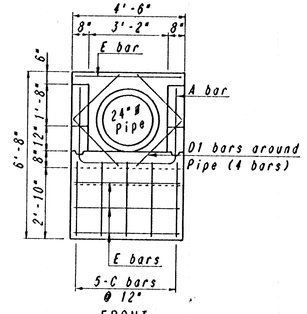
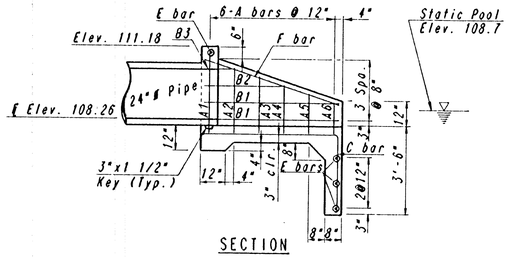


PLAN



FRONT

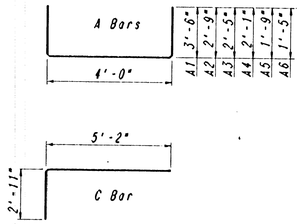


SECTION

RE-BAR SCHEDULE				
Mark	Shape	No.	Length	Weight
A1		1	11'-0"	7.35
A2		1	9'-6"	6.35
A3		1	8'-10"	5.90
A4		1	8'-2"	5.46
A5		1	7'-6"	5.01
A6		1	6'-10"	4.56
B1	—	4	5'-5"	14.47
B2	—	2	3'-6"	4.68
B3	—	2	1'-5"	1.89
C		5	8'-1"	27.00
D1	—	4	2'-6"	6.68
E	—	4	4'-4"	11.58
F	—	2	5'-9"	7.68
Total Rebars			109.0	Lbs.
Concrete			1.73	C.Y.

All Concrete Reinforcement to be #4 bars.

Quantities shown are for one Headwall and are for Information Only.



BENDING DIAGRAMS

24" HEADWALL

CONCRETE HEADWALL NOTES

CONCRETE: BEVEL ALL EXPOSED EDGES WITH A 3/4" TRIANGULAR MOLDING OR FINISH WITH AN APPROVED EDGING TOOL. CONCRETE SHALL BE AS PER CITY OF WICHITA STANDARD SPECIFICATIONS FOR CONCRETE PAVING MIX EXCEPT THAT IT SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 P.S.I. ALL PIPES SHALL BE FLUSH CUT PRIOR TO BEING CAST INTO THE HEADWALL.

REINFORCING STEEL: ALL DIMENSIONS RELATIVE TO REINFORCING STEEL ARE TO CENTERLINE OF BAR UNLESS OTHERWISE NOTED. ALL CLEARANCES SHALL BE 2" UNLESS OTHERWISE NOTED. ALL REINFORCING STEEL SHALL CONFORM TO A.S.T.M. DESIGNATION A615 GRADE 60 AND SHALL BE EPOXY COATED.

PAYMENT: A DEDUCTION IN CONCRETE QUANTITIES HAS BEEN MADE FOR THE PIPE OPENING. THE "HEADWALL (24"ø)(REINFORCED CONCRETE)" SHALL BE PAID FOR AT THE UNIT PRICE BID PER EACH IN PLACE INCLUDING CONCRETE, REINFORCING STEEL, EXCAVATION AND ALL OTHER MISCELLANEOUS MATERIALS, LABOR, TOOLS, EQUIPMENT AND INCIDENTIALS NECESSARY TO COMPLETE THE WORK. QUANTITIES SHOWN ARE FOR INFORMATION ONLY.

~~SEE SHEET NO. FOR ADDITIONAL NOTES.~~

REV.	DATE	DESCRIPTION

HELLMUTH, OBATA & KASSEBAUM, INC.
DALLAS, TEXAS

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
WICHITA, KANSAS

BRAD J. GOLDBERG
DALLAS, TEXAS

MUSEUM DISTRICT ROADWAY AND PEDESTRIAN IMPROVEMENTS
WICHITA, KANSAS

24" CONCRETE HEADWALL DETAILS

PROJECT NO.	ISSUE DATE	SCALE	SHEET
	11 JULY 1997		U7

DRAWING NAME: 32-92005 24 HDWL
LOCATION: 04 #26
CENTER COORDINATES:
ROTATION ANGLE:
DATE LAST WORKED ON: 1/20/95
BRENT REMSBERG