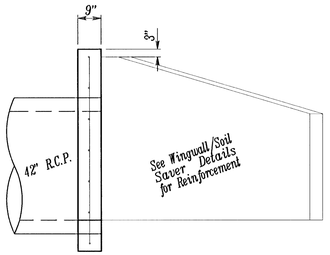
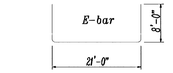


FRONT



SECTION



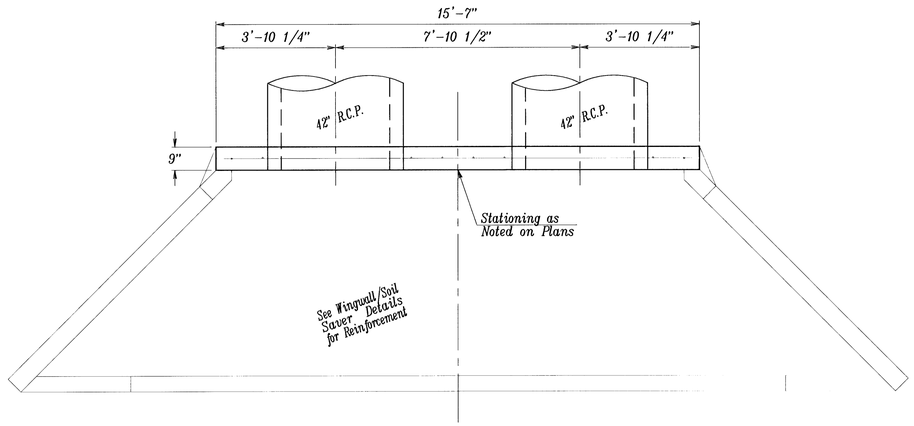
BENDING DIAGRAM

2-42" COLLAR RE-BAR SCHEDULE				
Mark	Shape	No.	Length	Weight
E		1	37'-0"	25.46
F		12	7'-9"	63.98
G		4	21'-6"	59.17
H1		14	3'-8"	35.32
H2		6	2'-4"	9.63
I		12	1'-10"	15.14
Total Rebar			209	Lbs.
Concrete			2.91	C.Y.

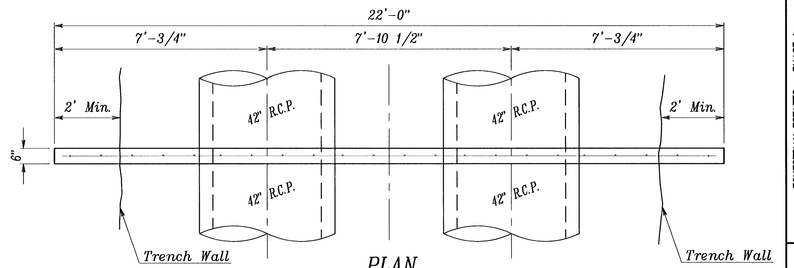
All Concrete Reinforcement to be #4 bars.

NOTE: ALL REINFORCING STEEL SHALL BE SPACED 12" UNLESS OTHERWISE NOTED

NOTE: EXTEND COLLAR A MINIMUM OF 2' INTO UNDISTURBED SOIL



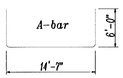
PLAN



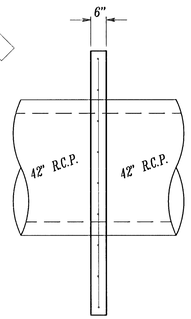
PLAN

HEADWALL RE-BAR SCHEDULE				
Mark	Shape	No.	Length	Weight
A		1	26'-7"	18.29
B		6	5'-9"	23.74
C		2	15'-1"	20.75
D1		6	3'-8"	15.14
D2		6	2'-4"	9.63
Total Rebar			88	Lbs.
Concrete			1.98	C.Y.

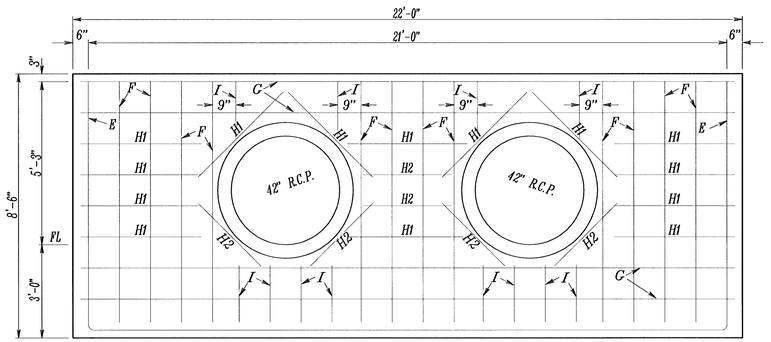
All Concrete Reinforcement to be #4 bars.



BENDING DIAGRAM



SECTION



FRONT

NOTE: ALL REINFORCING STEEL SHALL BE SPACED 12" UNLESS OTHERWISE NOTED

CONCRETE HEADWALL/COLLAR 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 OPENINGS. THE "2- 42" HEADWALL/COLLAR (REINFORCED CONCRETE) OR "48" HEADWALL/COLLAR (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 INCIDENTALS NECESSARY TO COMPLETE THE WORK. QUANTITIES SHOWN ARE FOR INFORMATION ONLY.

2-42" HEADWALL/ COLLAR DETAIL

No.	Date	By	Approved	Revision
1				
2				
3				
4				

EQUESTRIAN ESTATES - PHASE 1
STREET IMPROVEMENTS
2-42" HEADWALL/COLLAR DETAILS
CITY OF WICHITA, KANSAS
MICHAEL E. LINDEBAK, P.E. - CITY ENGINEER
C.O.W. Project # 472-83424 O.C.K. # 785765

POE & ASSOCIATES OF KANSAS, INC.
CONSULTING ENGINEERS
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Phone 316/685-4111 ■ FAX 316/685-4444

FINAL

Designed By: J. Ubert / J. Dickmon
Drawn By: J. Dickmon
Poe Job No.: 16944
Date: March 2002

Sheet
92 of 112

G:\APPS\OCA\P\16944\BASE-ST.dwg Thu Mar 21 14:29:38 2002 Bernard Nulla - POE & ASSOCIATES OF KANSAS, INC.