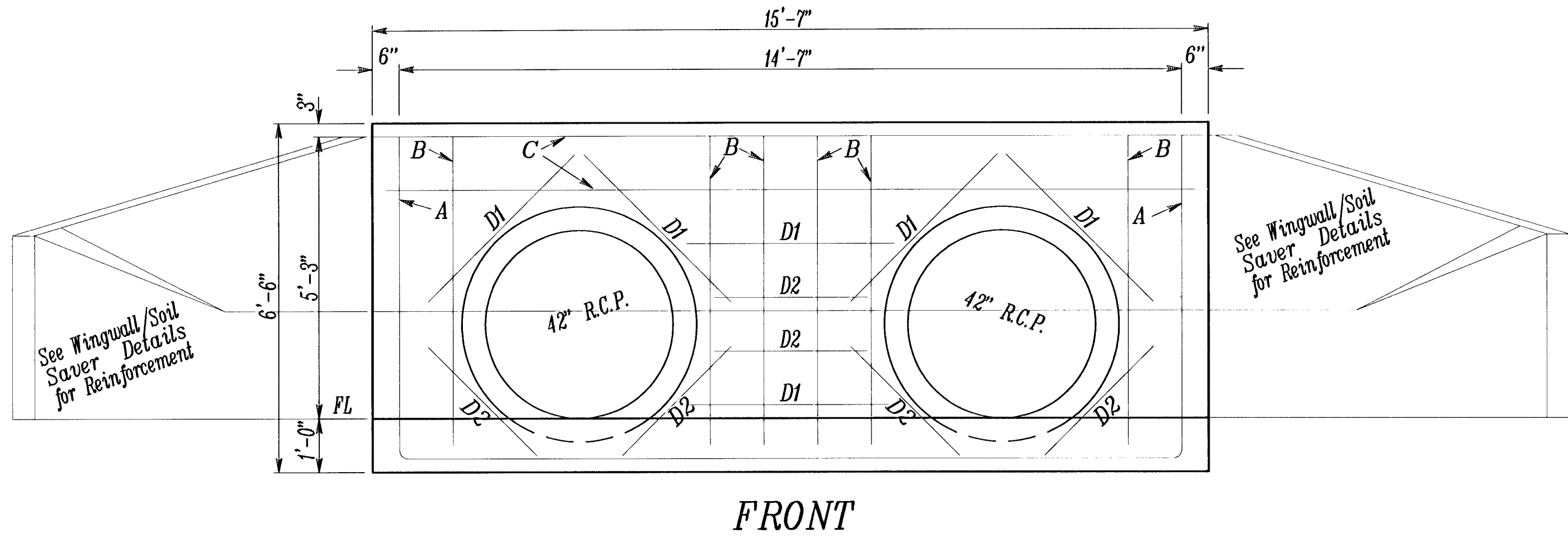
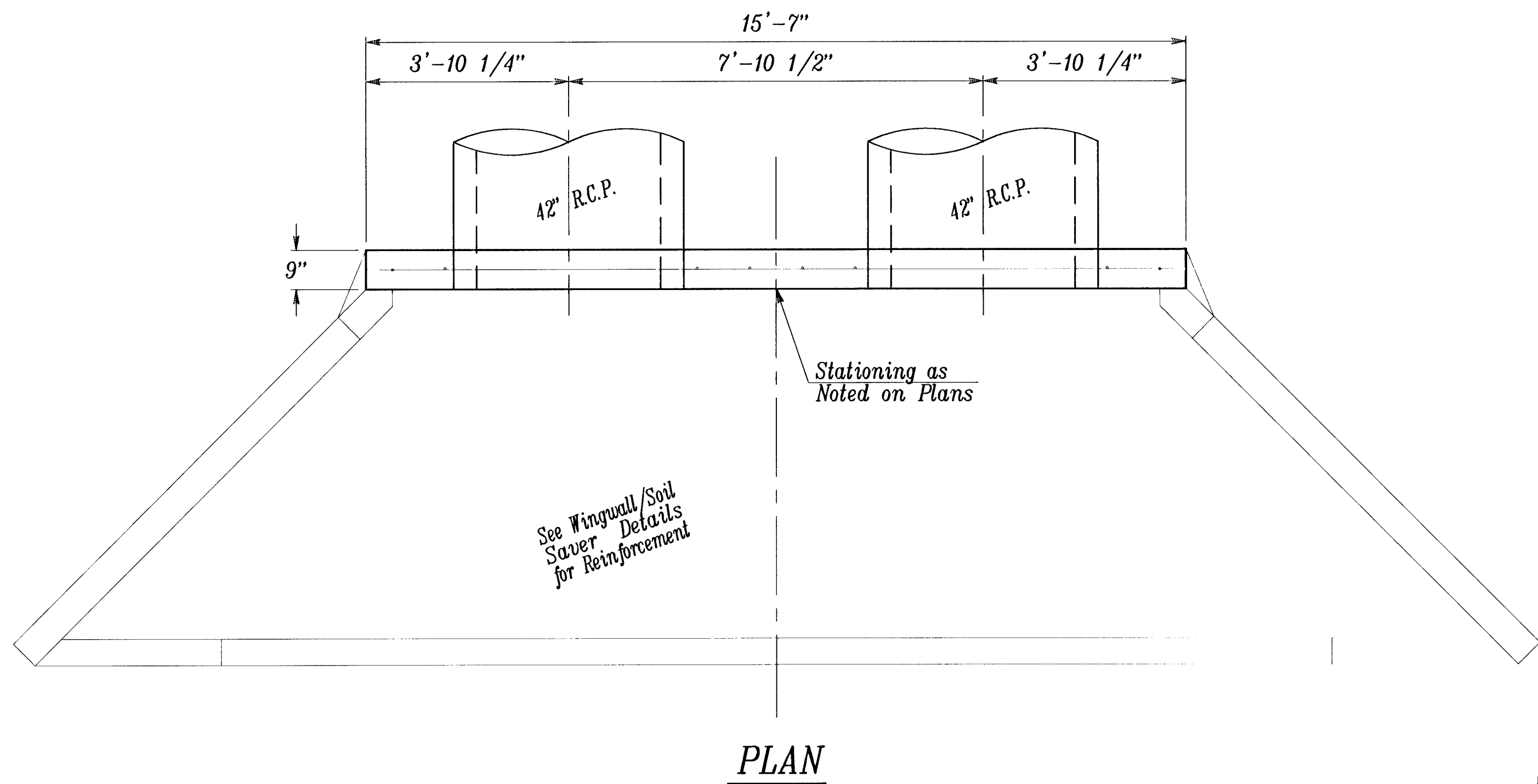


16: APPS\DCAT\PE94BASE-ST.dwg Thu Mar 21 14:29:38 2002 Bernard Nulla - POE & ASSOCIATES OF KANSAS INC.

2012-03-01

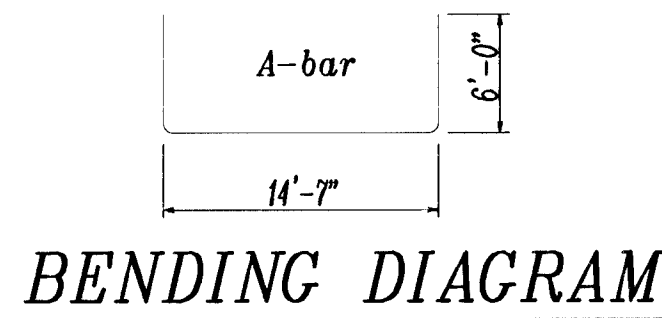


NOTE: ALL REINFORCING STEEL SHALL BE SPACED 12" UNLESS OTHERWISE NOTED



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.

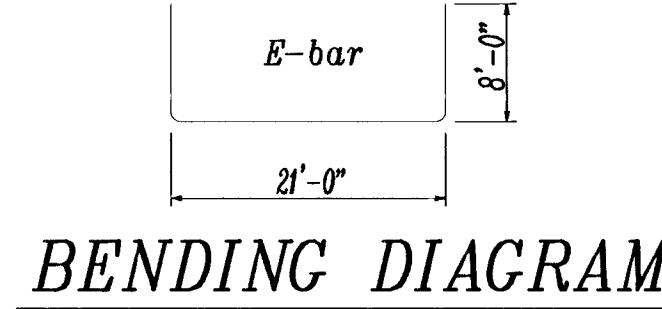
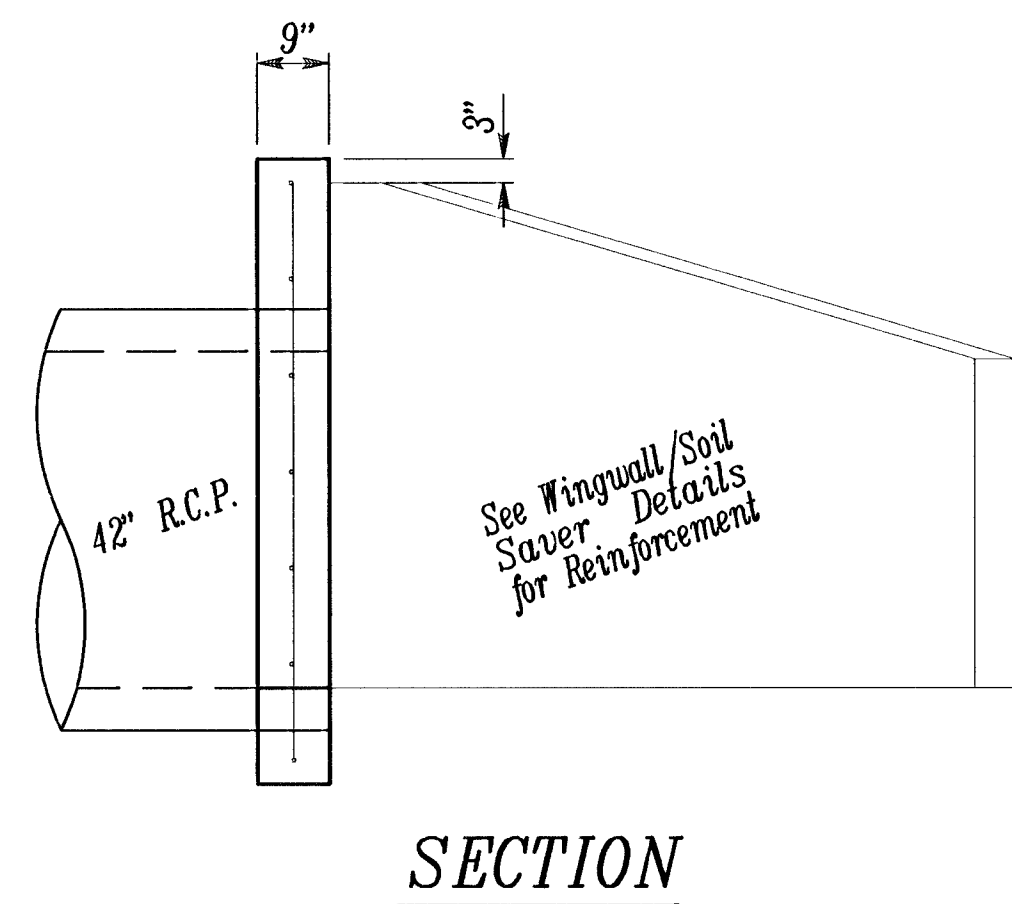


CONCRETE HEADWALL/COLLAR NOTES

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.

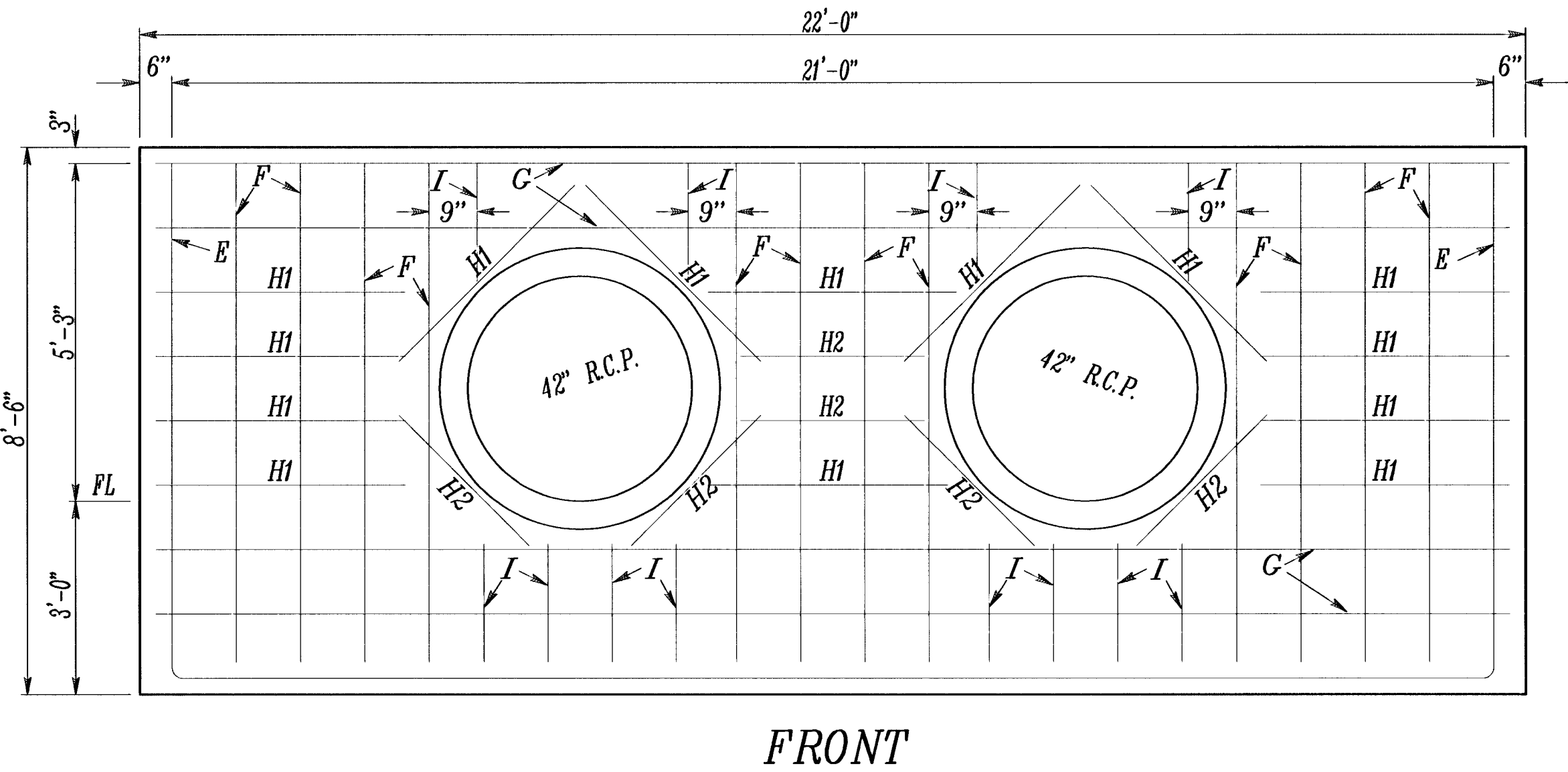
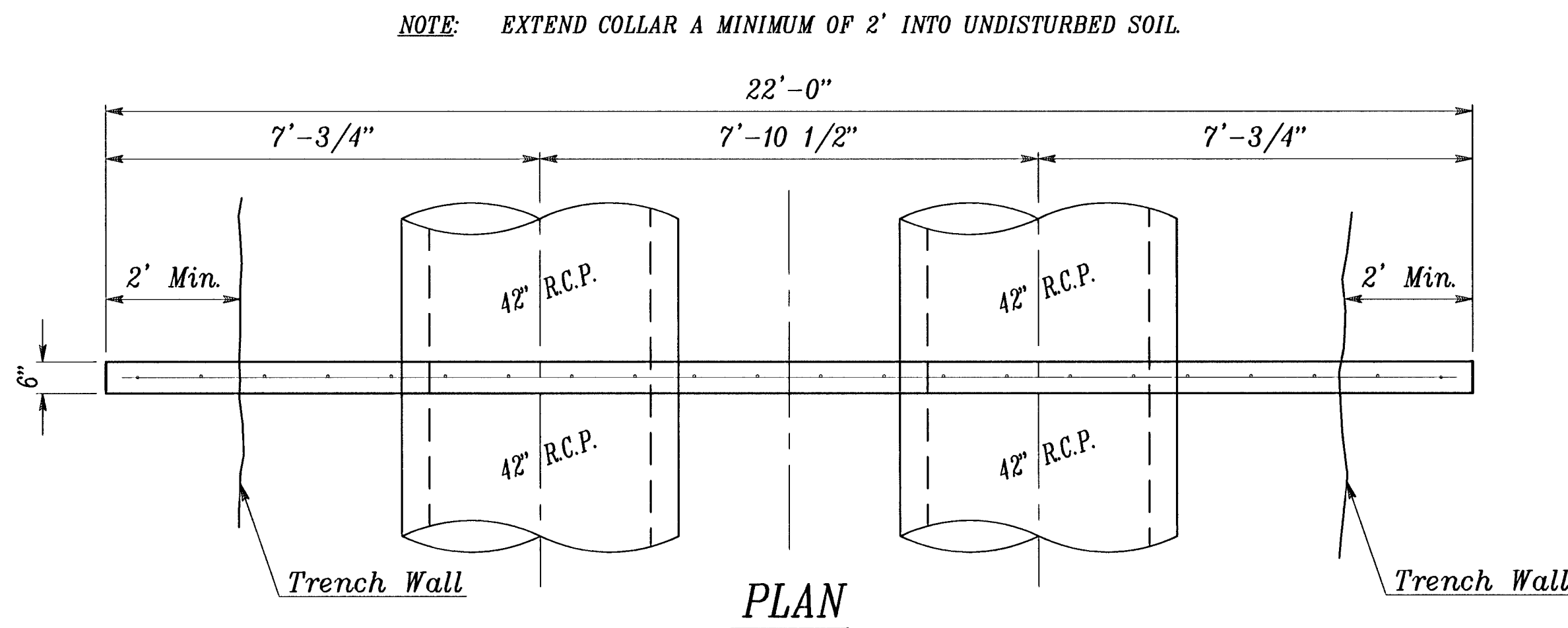
REINFORCING STEEL: ALL DIMENSIONS RELATIVE TO REINFORCING STEEL ARE TO CENTERLINE OF BAR UNLESS OTHERWISE NOTED. ALL CLEARANCES SHALL BE 2" UNLESS OTHERWISE NOTED. ALL REINFORCING STEEL SHALL CONFORM TO A.S.T.M. DESIGNATION A615 GRADE 60 AND SHALL BE EPOXY COATED.

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" 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.

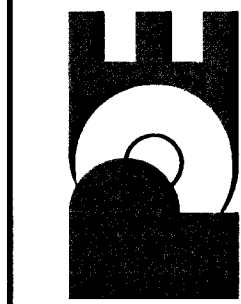
All Concrete Reinforcement to be #4 bars.



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

2-42" HEADWALL/COLLAR DETAIL

Designed By: J. Ubert / J. Dickman
Drawn By: J. Dickman
Poe Job No.: 1694A
Date: March 2002



POE & ASSOCIATES OF KANSAS INC.
CONSULTING ENGINEERS
5940 E Central, Suite 200 • Wichita, KS 67208-4242
Phone 316/685-4114 • FAX 316/685-4444

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.A. # 765705

No.	Date	By	Approved	Revision
1				
2				
3				
4				