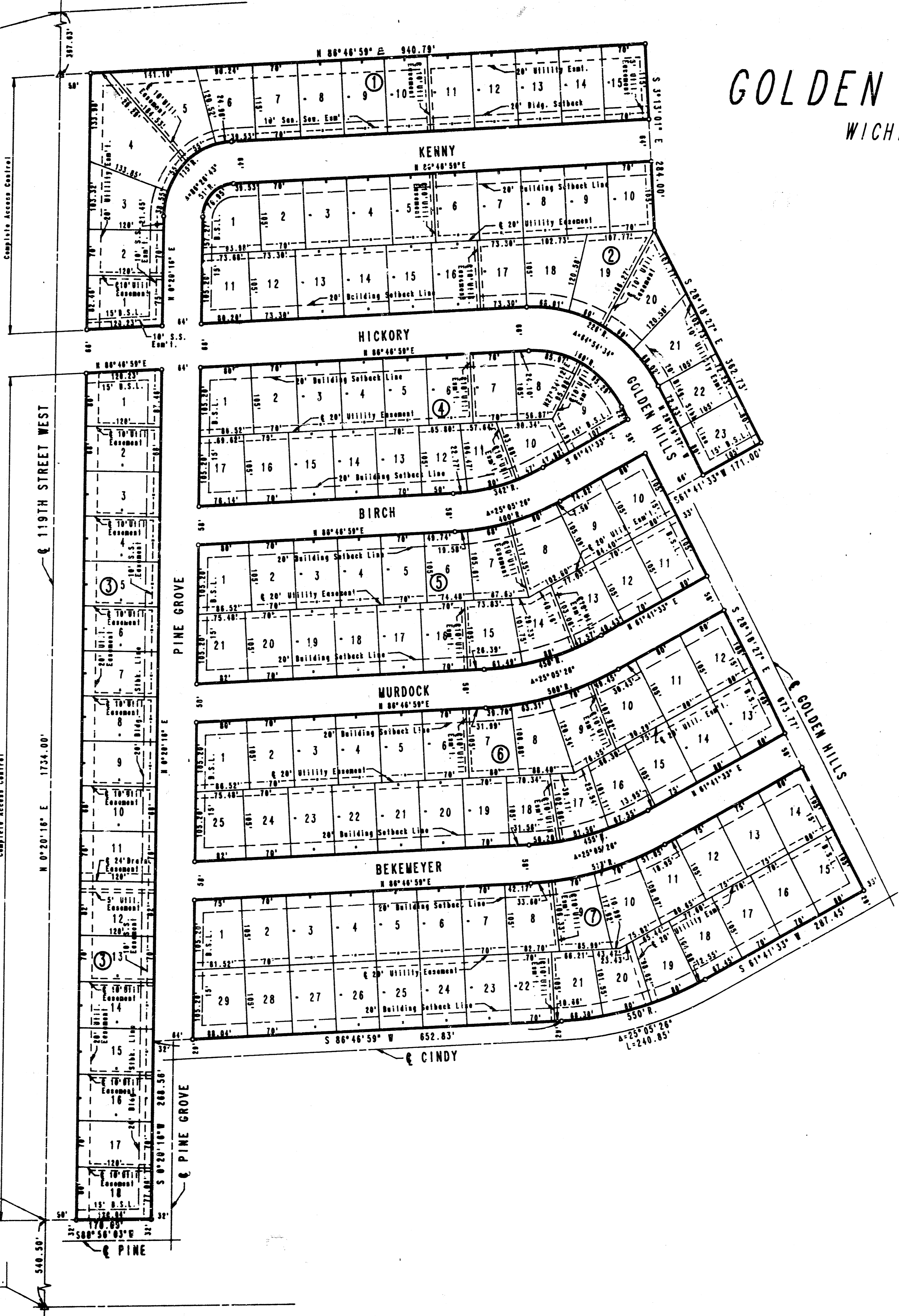


GOLDEN HILLS 5TH ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS

N.W. COR. S.W. 1/4
 SEC. 18, T27S, R1W
 OF THE 6TH P.M.

S.W. COR. SEC. 18,
 T27S, R1W OF THE 6TH P.M.



SCALE: 1" = 100'
 ○ = IRON SET
 B.S.L. - BUILDING SETBACK LINE
 B.M. - CITY OF WICHITA STD. B.M. DISC
 40 FT. EAST AND 46 FT. SOUTH OF
 INTERSECTION OF CENTERLINES OF
 CENTRAL AND 119TH STREET WEST.
 ELEV. +156.93 CITY DATUM

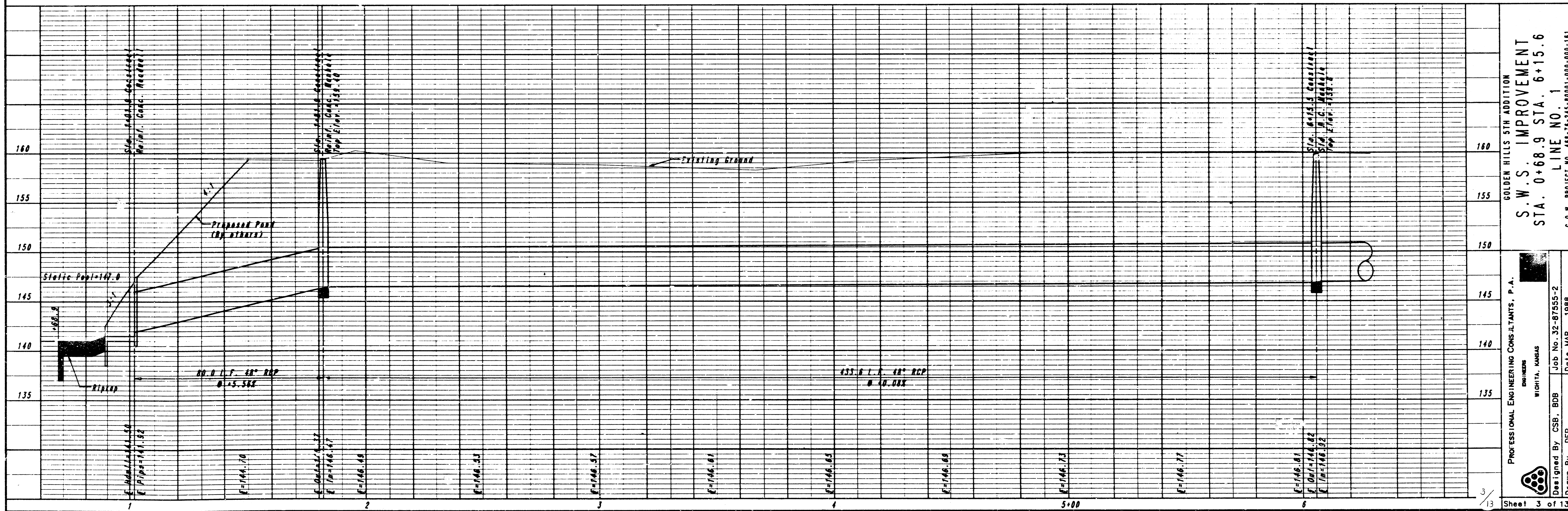
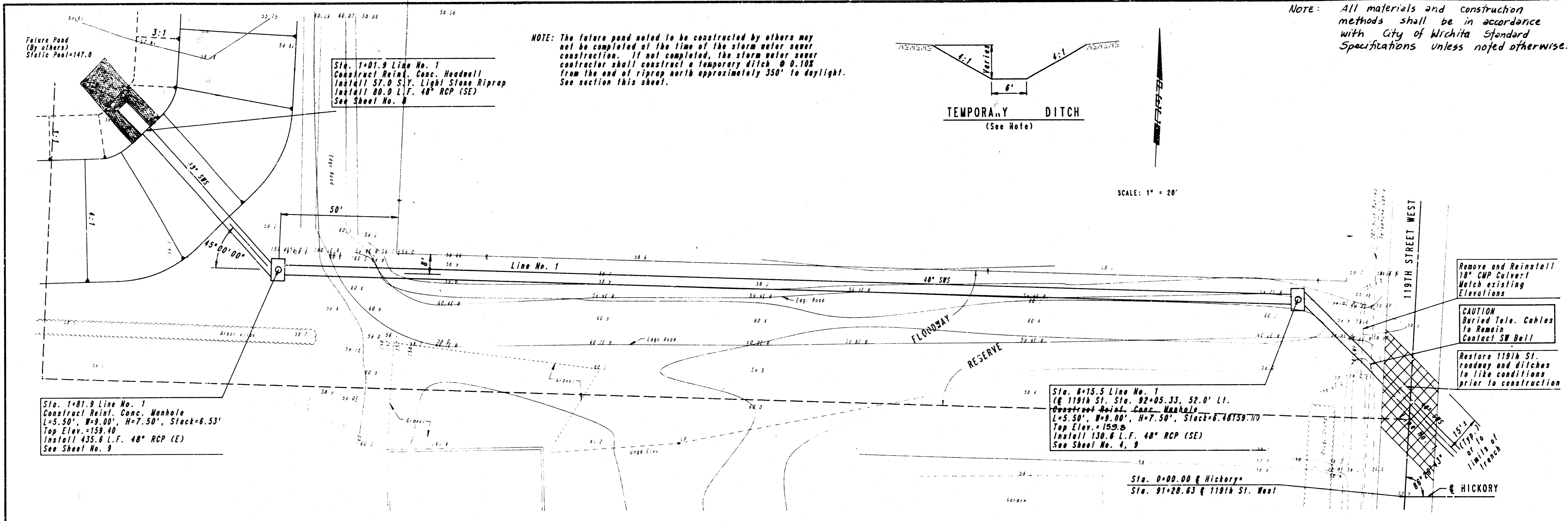
PLAT

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.

ENGINEER: A. J. ...

DATE: ...

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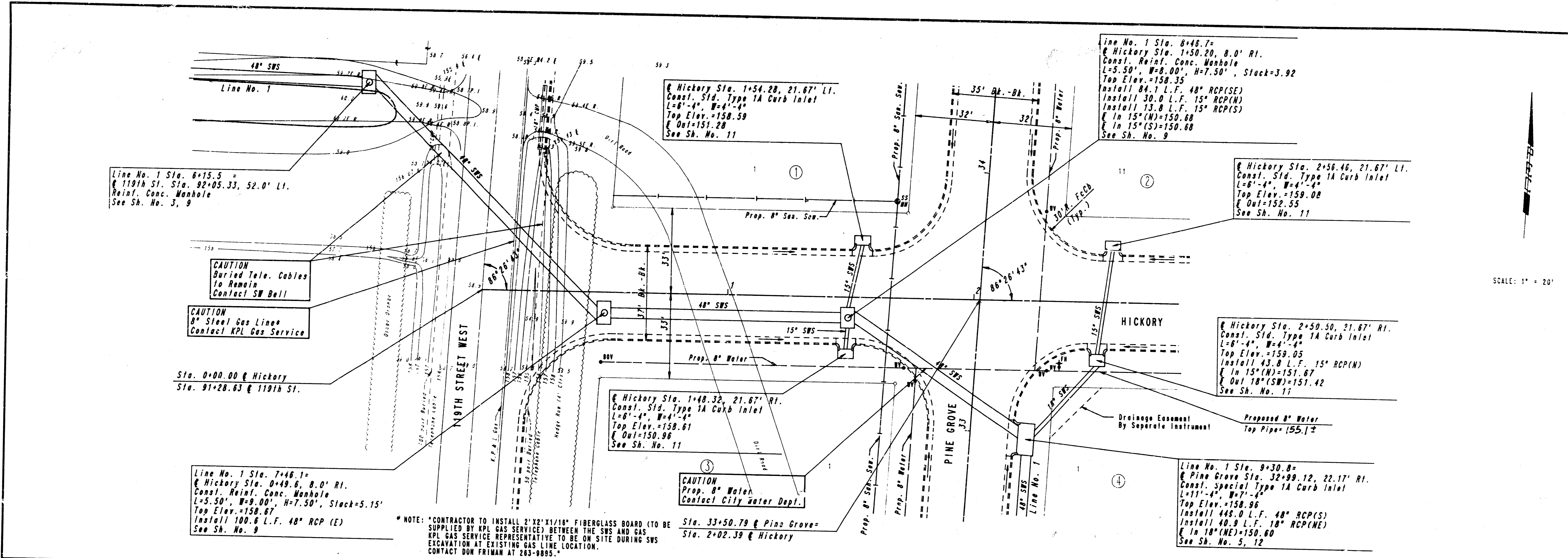
GOLDEN HILLS 5TH ADDITION
S.W.S. IMPROVEMENT
STA. 0+68.9 STA. 6+15.6
LINE NO. 1
C.O.M. PROJECT NO. 448-12-245-0001-000-000-151

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
DESIGNERS
WICHITA, KANSAS

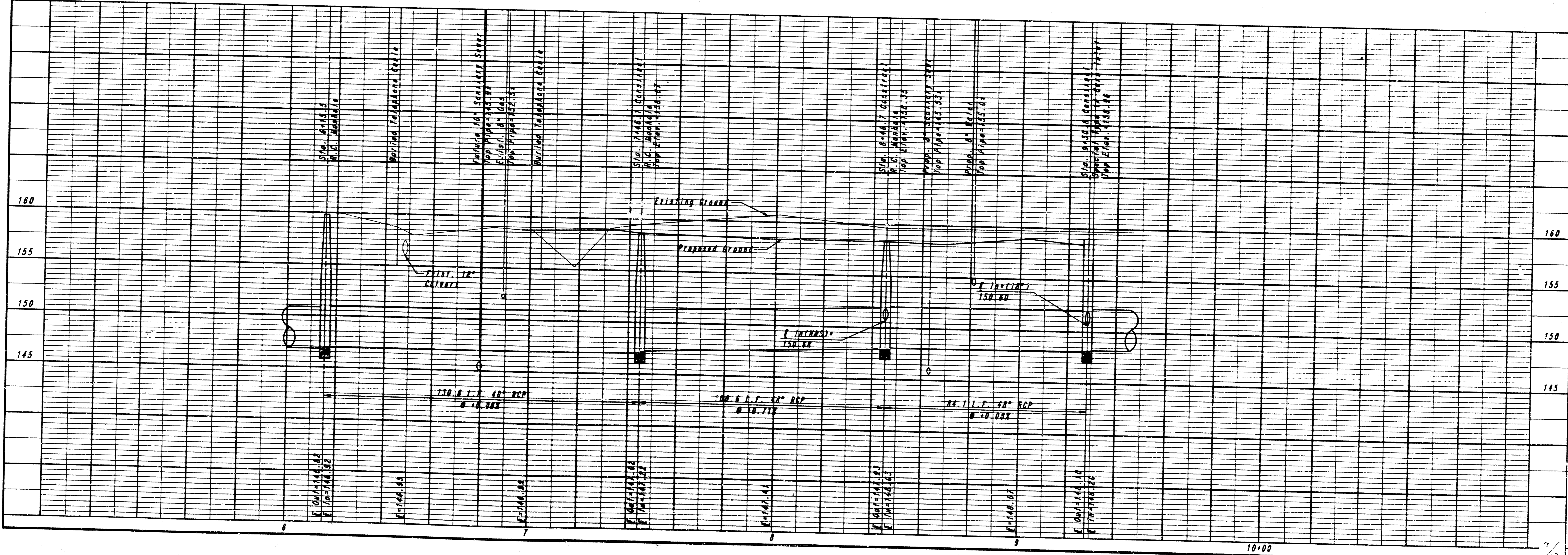
Designed By: CSB, BDB
Job No. 32-87565-2
Date: MAR., 1988

Sheet 3 of 13

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SCALE: 1" = 20'



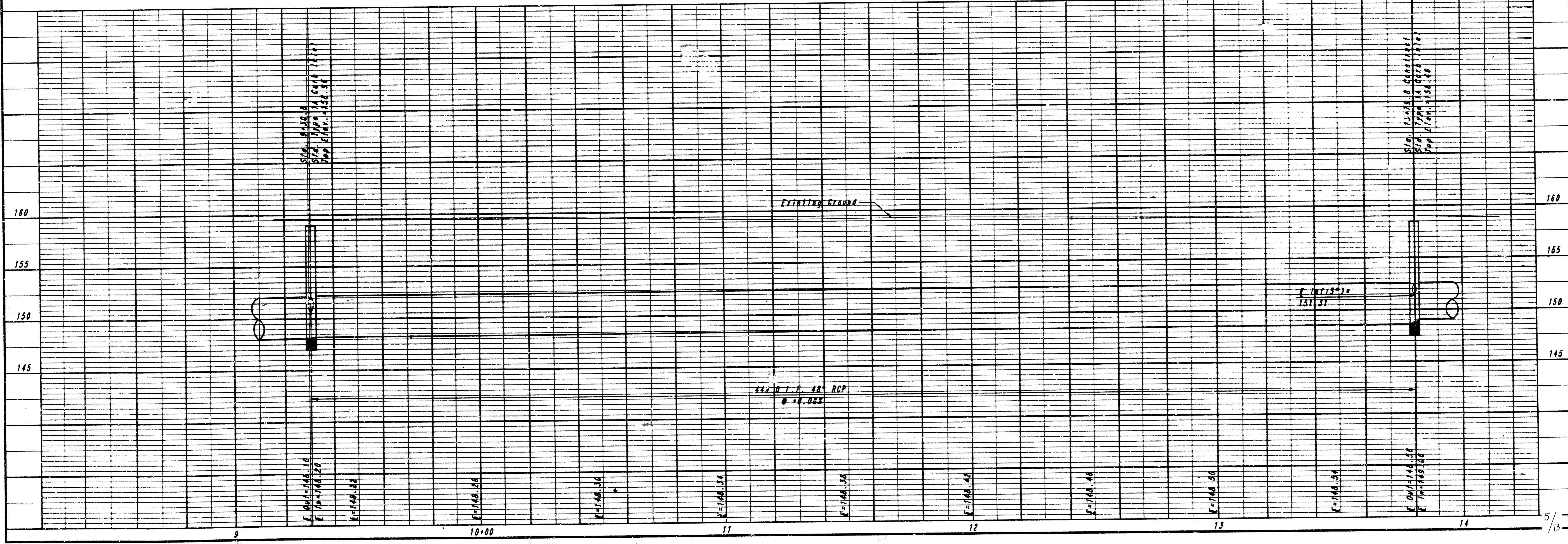
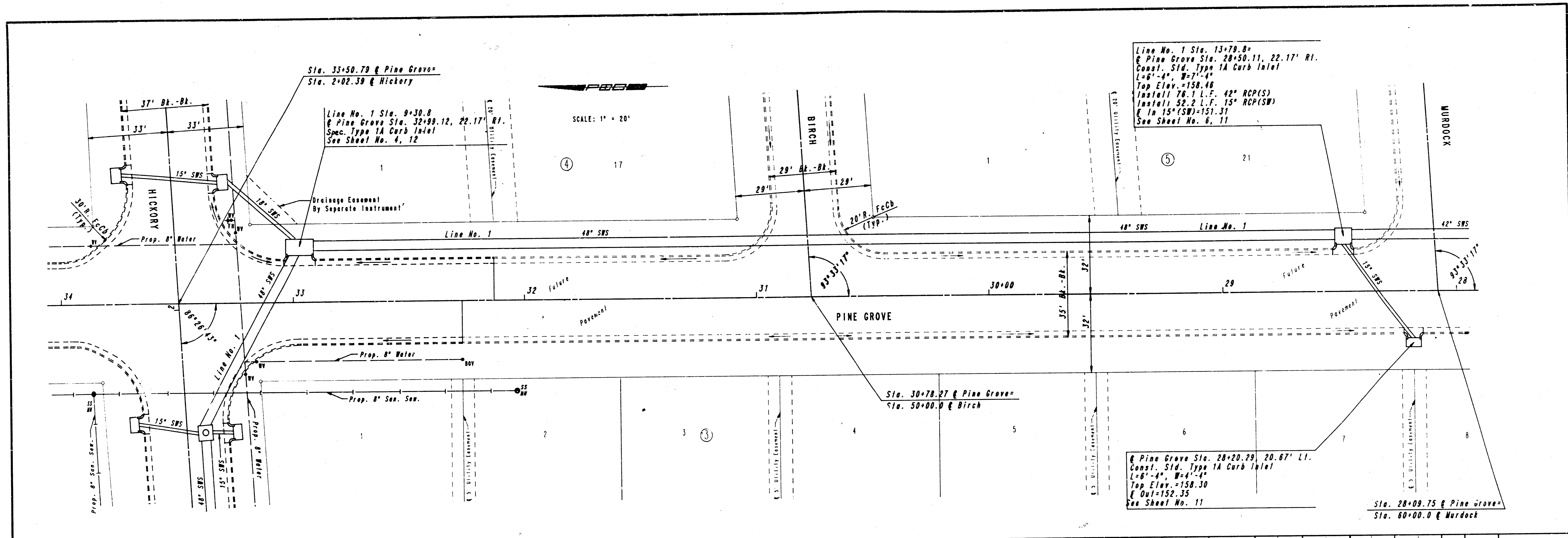
GOLDEN HILLS 5TH ADDITION
S.W.S. IMPROVEMENT
STA. 6+15.6 TO STA. 9+28.3
LINE NO. 1
C.O.W. PROJECT NO. 448-78-245-0001-000-000-141

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

Designed By: CSB, BDB
Job No. 32-27655-2
Drawn By: DEF
Date: MAR., 1988

Sheet 4 of 13

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GOLDEN HILLS 5TH ADDITION
S.W.S. IMPROVEMENT
 STA. 9+28.3 STA. 13+79.8
 LINE NO. 1

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
 ENGINEER
 WICHITA, KANSAS

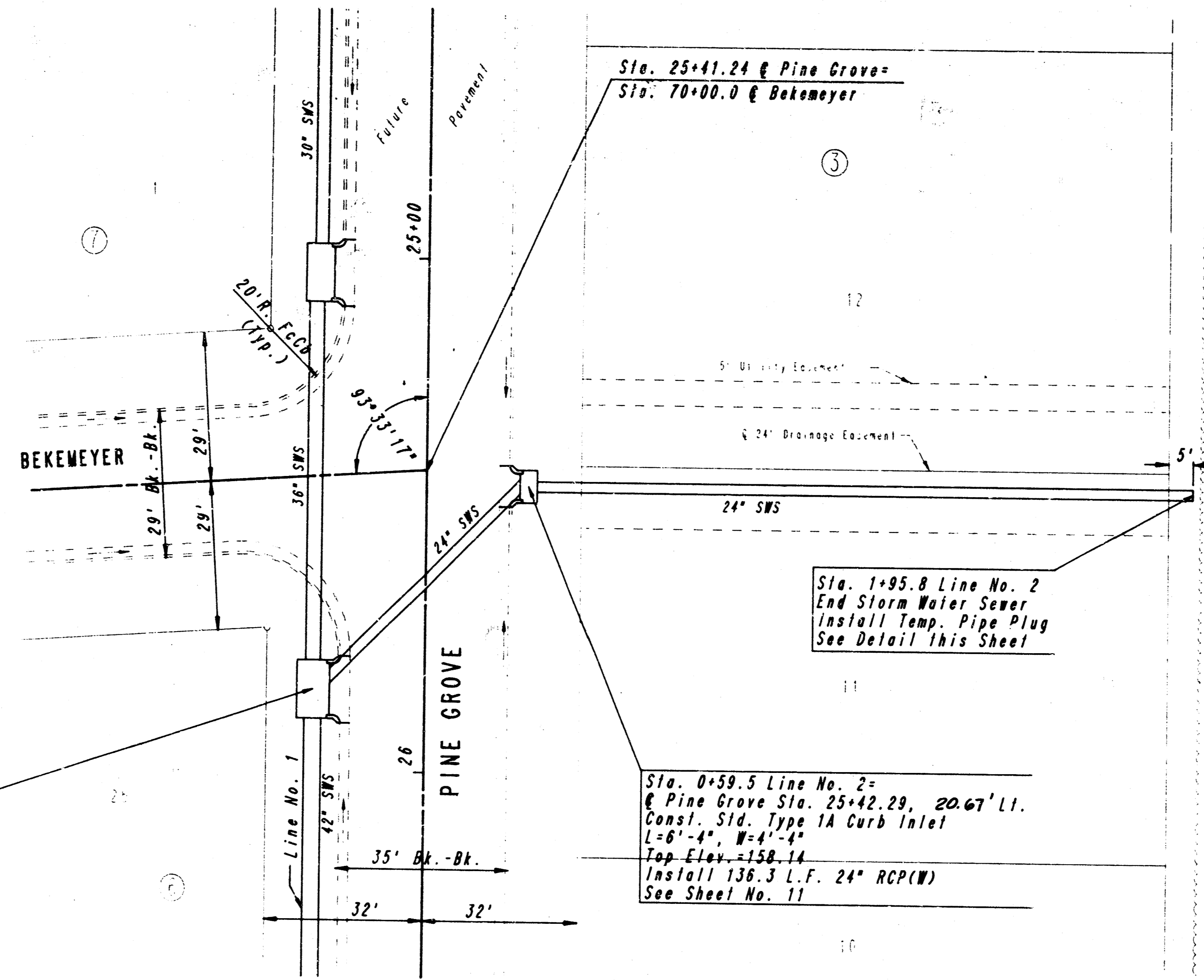
Designed By CSB, BDB Job No. 32-87555-2 Date MAR., 1988
 Drawn By DEP

Sheet 5 of 5

FILMED FROM THE BEST AVAILABLE COPY....

SCALE: 1" = 20'

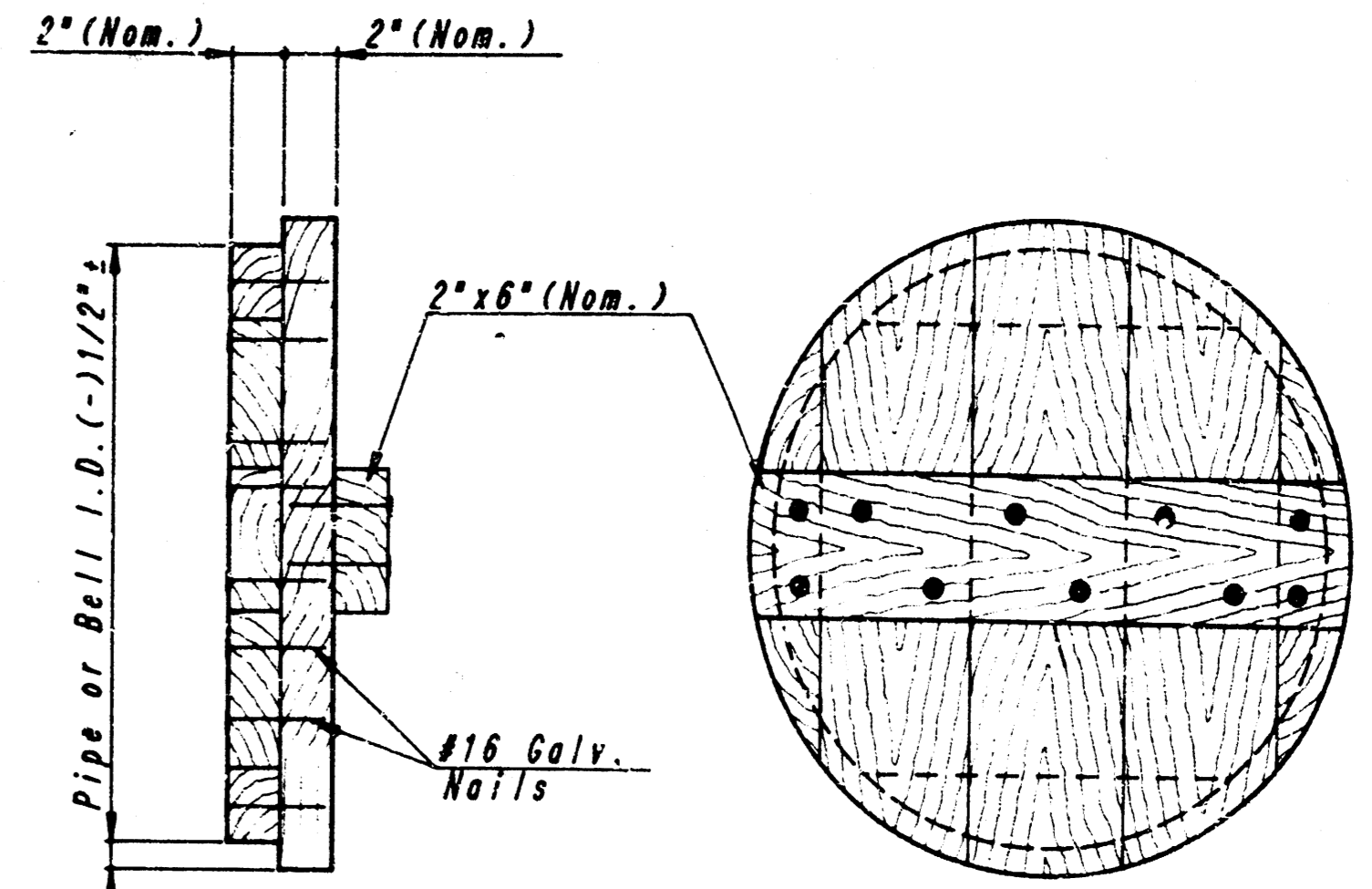
Sta. 0+00.0 Line No. 2=
Sta. 16+45.3 Line No. 1=
Pine Grove Sta. 25+84.10, 21.67' RI.
Sta. Type 1A Curb Inlet
Top Elev. = 158.28
Install 59.5 L.F. 24" RCP(SW)
See Sheet No. 6, 10



Sta. 0+59.5 Line No. 2=
Pine Grove Sta. 25+42.29, 20.67' LI.
Const. Sta. Type 1A Curb Inlet
L=8'-4", W=4'-4"
Top Elev. = 158.14
Install 136.3 L.F. 24" RCP(W)
See Sheet No. 11

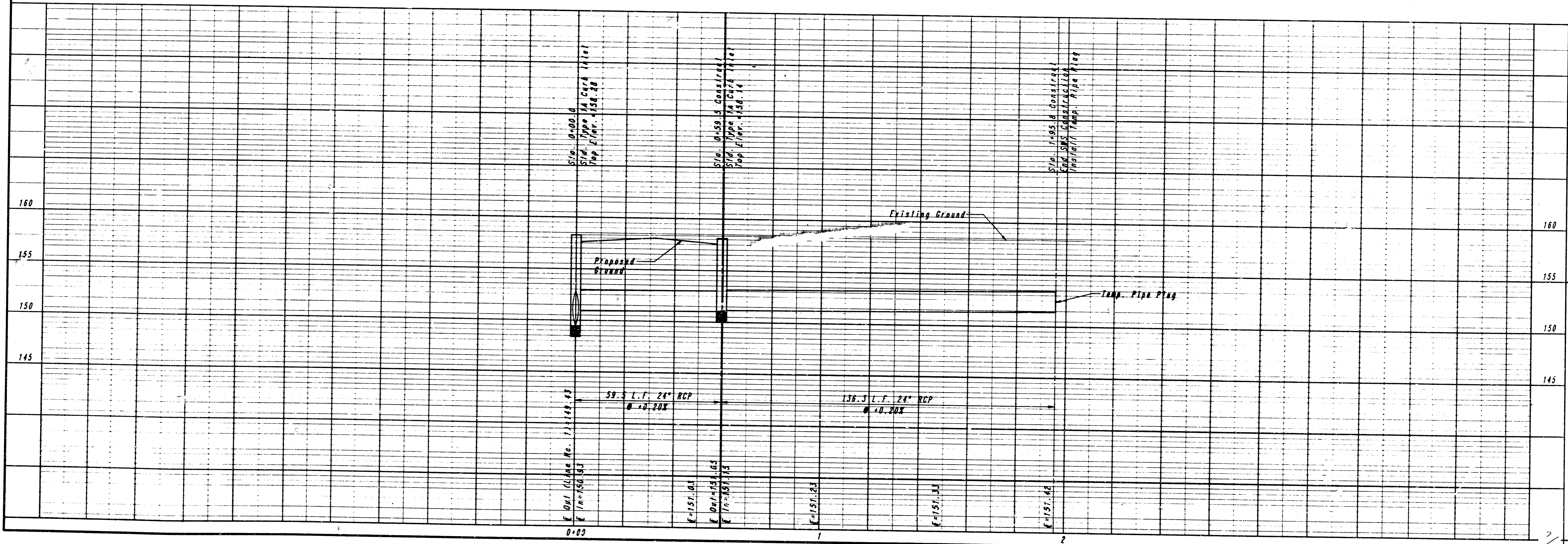
Sta. 1+95.8 Line No. 2
End Storm Water Sewer
Install Temp. Pipe Plug
See Detail This Sheet

119TH STREET WEST



TEMPORARY REDWOOD PIPE PLUG DETAILS

THE FREE END OF ALL PIPE STUBS INSTALLED SHALL BE PLUGGED WITH A REDWOOD PLUG AS SHOWN. THE PLUGS SHALL BE CONSTRUCTED WITH CONSTRUCTION GRADE REDWOOD AND SECURELY NAILED TOGETHER WITH #16 GALVANIZED NAILS. PIPE PLUGS SHALL BE CONSIDERED SUBSIDIARY TO THE PIPE INSTALLATION.



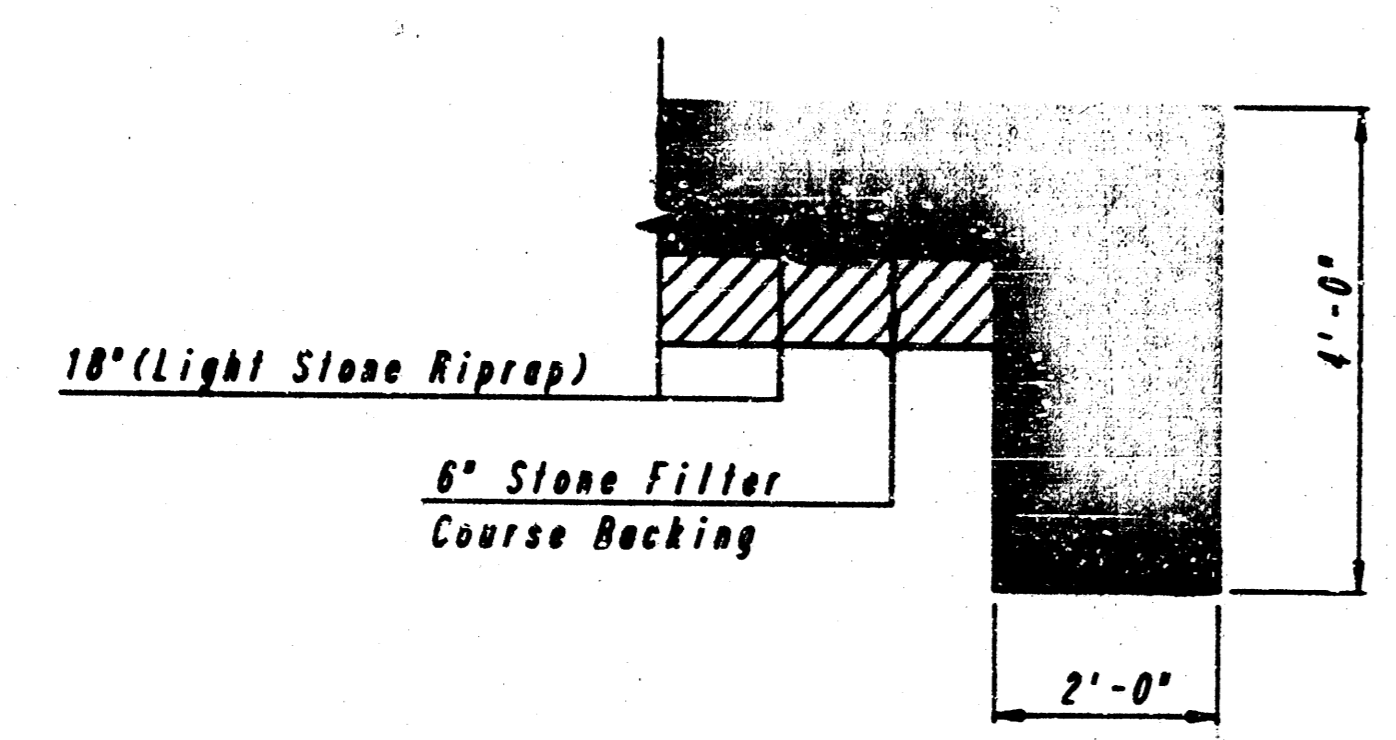
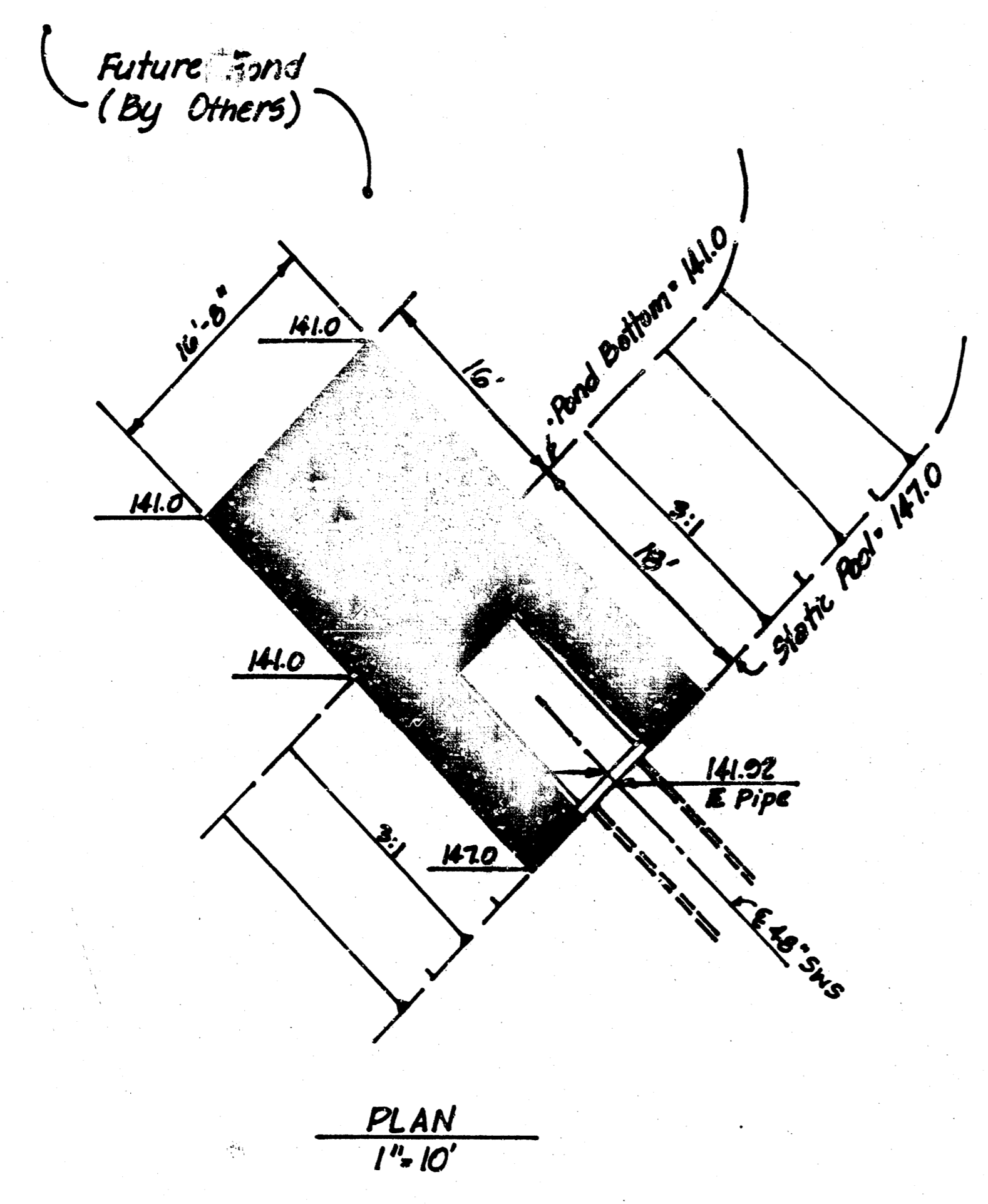
GOLDEN HILLS 5TH ADDITION
S.W.S. IMPROVEMENT
STA. 0+00.0 TO STA. 1+95.8
LINE NO. 2
Project No. 448-76-225-8007-000-000-161

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
DRIVERS
WICHITA, KANSAS

Designed By CSB, BDB
Drawn By DEP
Job No. 32-87555-2
Date MAR., 1988

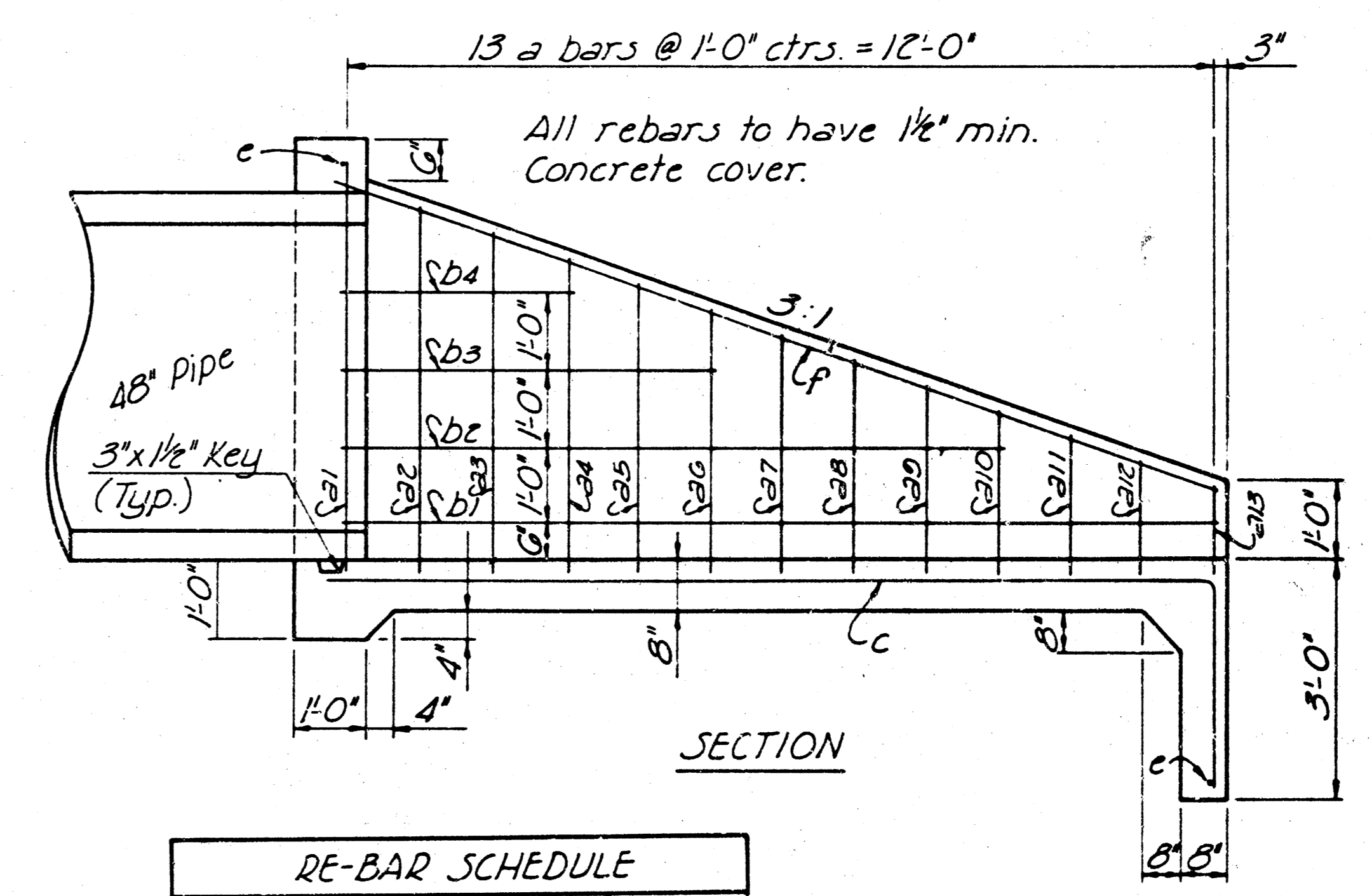
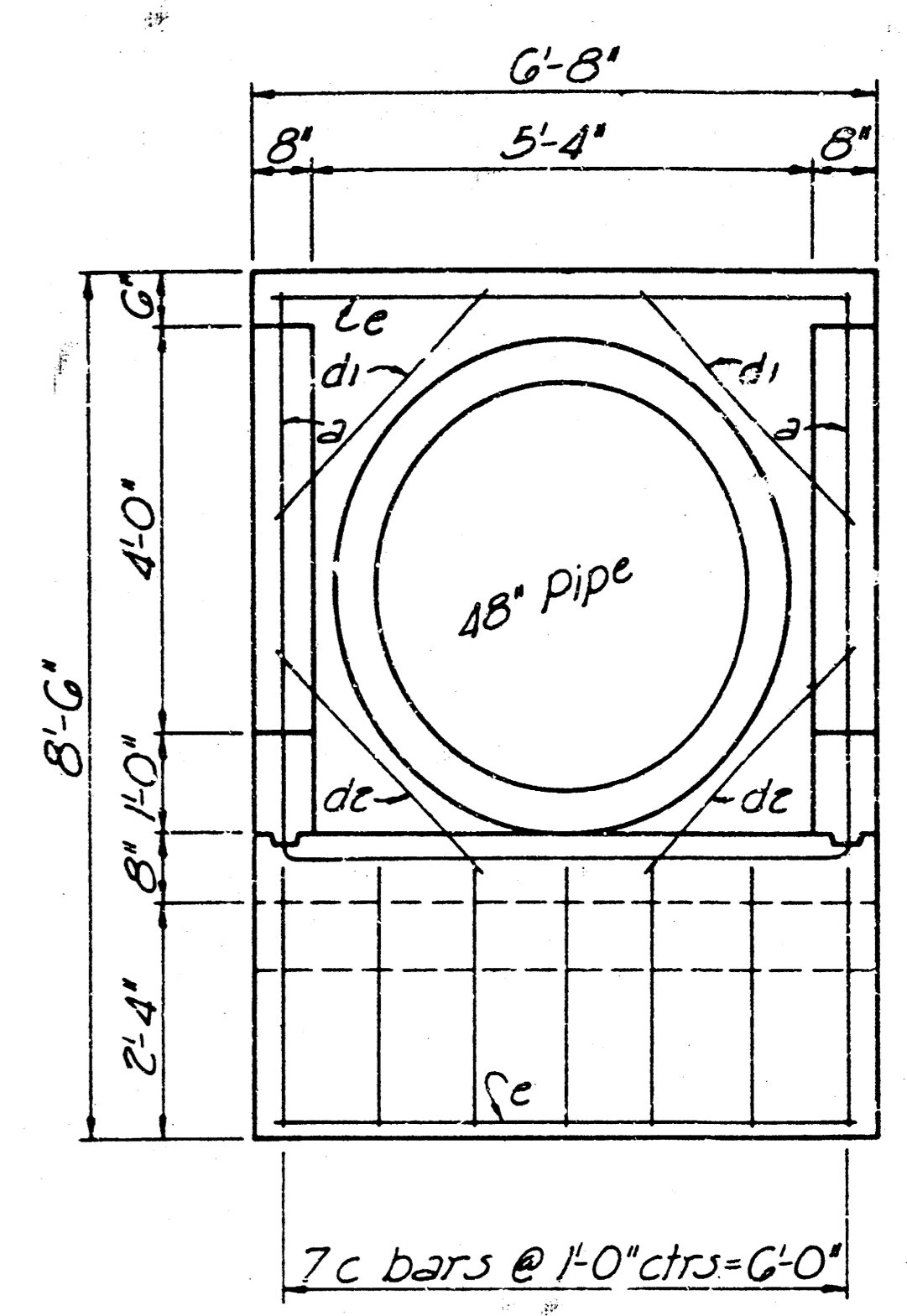
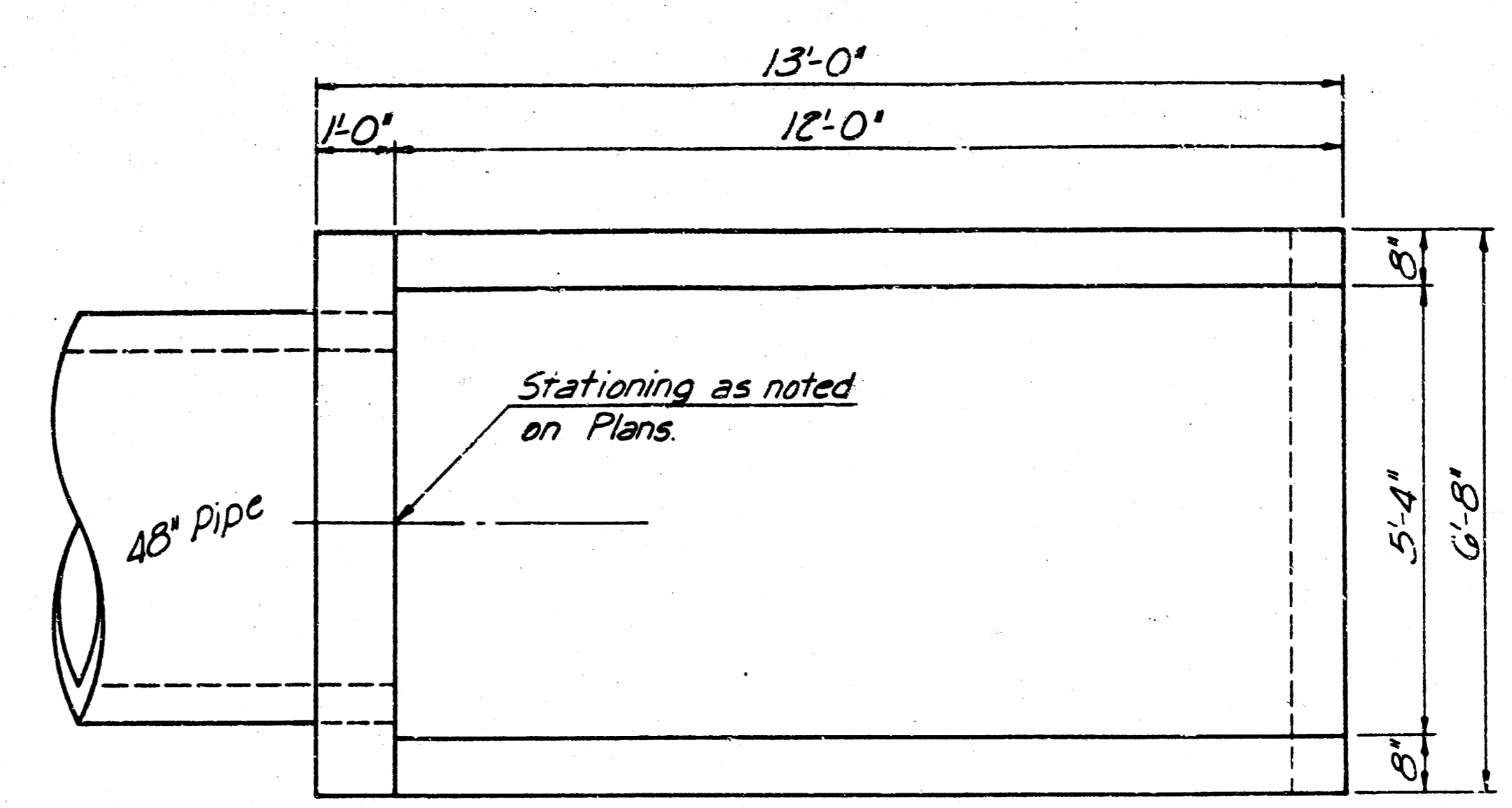
Sheet 7 of 13

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- RIPRAP GENERAL NOTES**
- ALL RIPRAP FOR THIS PROJECT SHALL BE NATURAL STONE. NEITHER THE BROKEN CONCRETE, FABRIC ENVELOPE NOR PREMIXED DRY PACKAGED CONCRETE BAG ALTERNATES WILL BE ALLOWED.
 - TOEWALLS SHALL BE INSTALLED ALONG ALL EDGES OF STONE RIPRAP.
 - GROUTING OF THE SURFACE OF THE RIPRAP SHALL NOT BE PERFORMED. GROUTING OF THE TOEWALLS SHALL BE PERFORMED PER CITY SPECIFICATIONS.

RIPRAP DETAILS

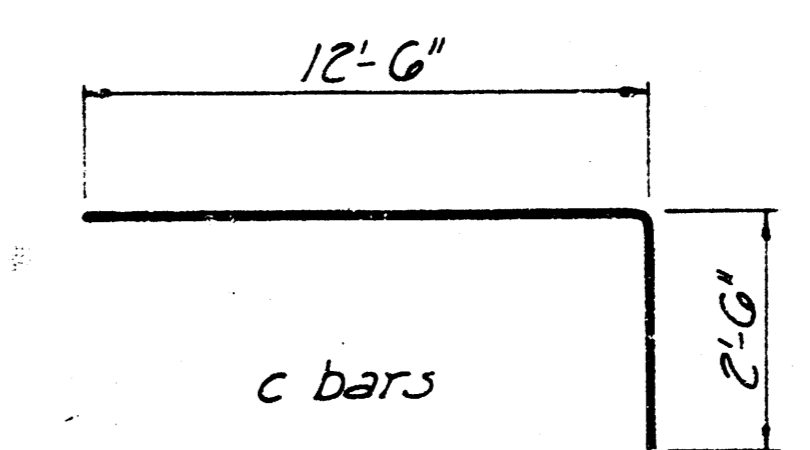
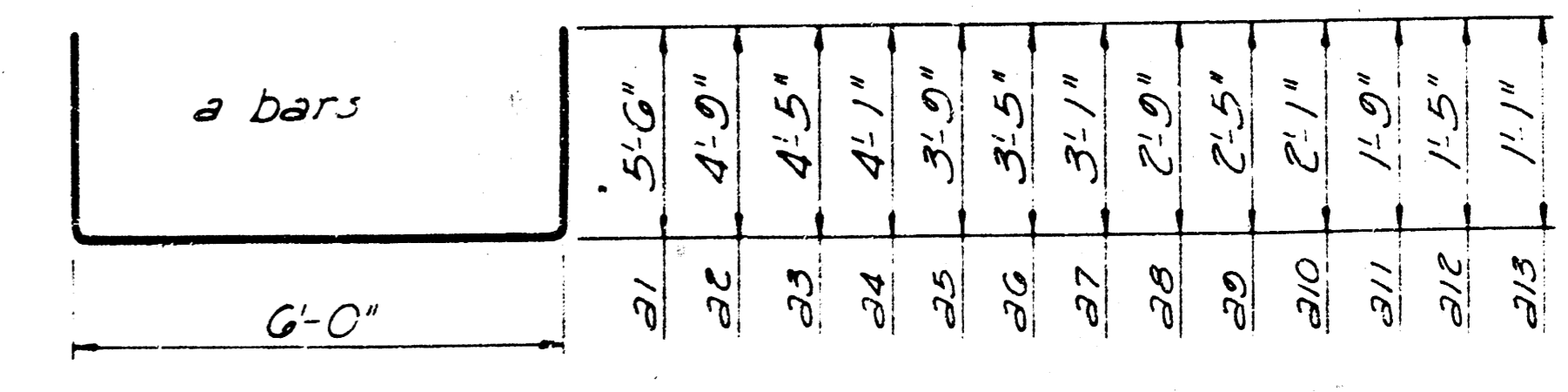


RE-BAR SCHEDULE

Bar	Shape	No.	Length	Weight
a1	U	1	17'-0"	11.36
a2	U	1	15'-6"	10.35
a3	U	1	14'-10"	9.91
a4	U	1	14'-2"	9.46
a5	U	1	13'-6"	9.02
a6	U	1	12'-10"	8.57
a7	U	1	12'-2"	8.13
a8	U	1	11'-6"	7.68
a9	U	1	10'-10"	7.24
a10	U	1	10'-2"	6.79
a11	U	1	9'-6"	6.35
a12	U	1	8'-10"	5.90
a13	U	1	8'-3"	5.51
b1	—	2	12'-3"	16.37
b2	—	2	9'-3"	12.36
b3	—	2	5'-3"	7.01
b4	—	2	3'-3"	4.34
c	—	7	15'-0"	70.14
d1	—	2	3'-10"	5.12
dc	—	2	2'-6"	3.34
e	—	2	6'-2"	8.24
f	—	2	12'-11"	17.26
Total Rebars			251 Lbs.	
Concrete			5.13 C.Y.	

All Concrete Reinforcement to be #4 bars.

Note:
Pipes shall be miter cut to fit flush with the headwall prior to being cast into the 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.

REINFORCING STEEL: ALL DIMENSIONS RELATIVE TO REINFORCING STEEL ARE TO CENTERLINE OF BAR UNLESS OTHERWISE NOTED. ALL REINFORCING STEEL SHALL CONFORM TO A.S.T.M. DESIGNATION A515 GRADE 60 AND SHALL BE EPOXY COATED.

PIPE: PIPE SHALL BE MITER CUT PRIOR TO BEING CAST INTO THE HEADWALL.

Golden Hills 5th Add.

HEADWALL & RIPRAP DETAILS

Project No. 46B-76-245-B0001-000-000-161

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.

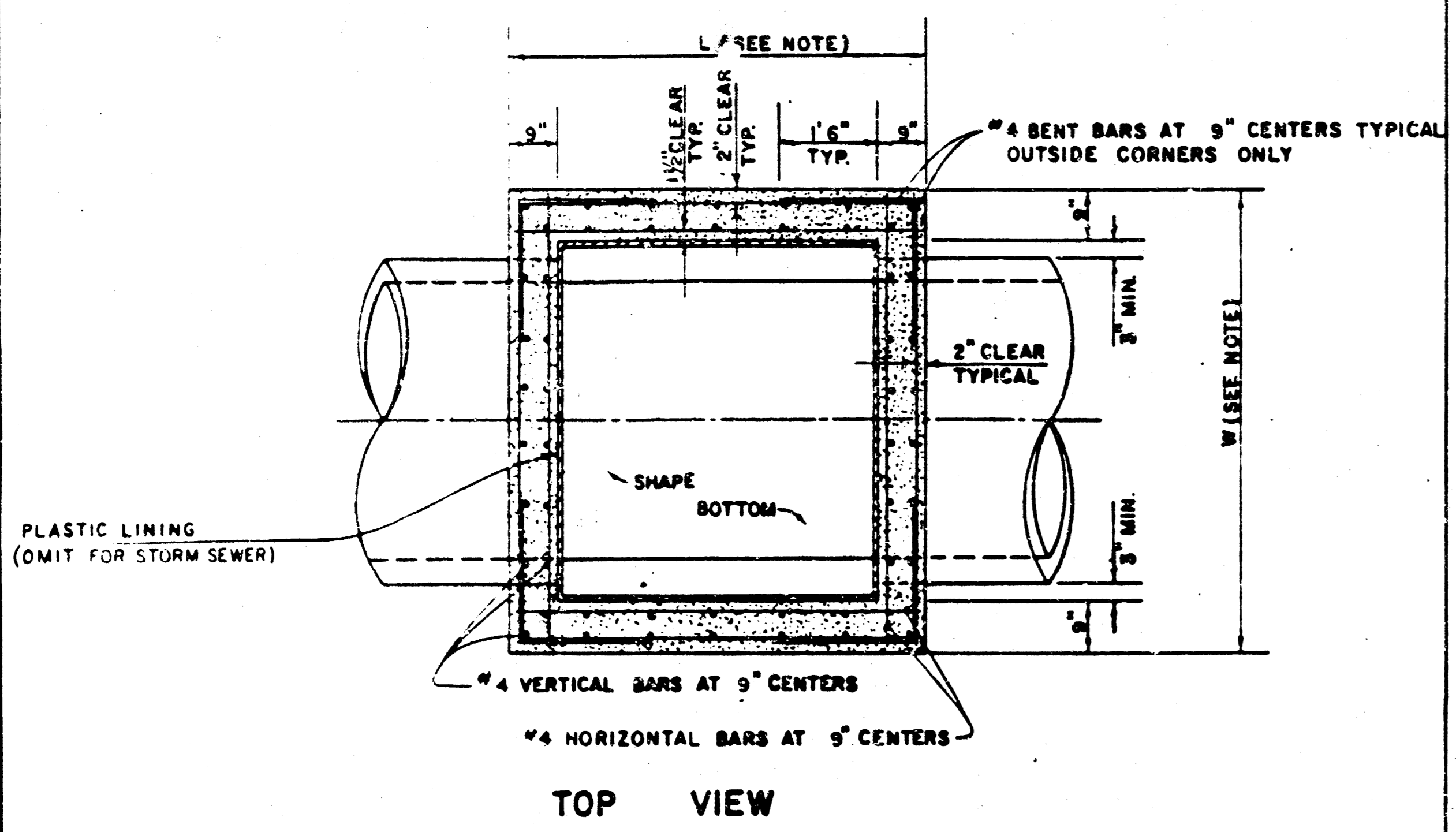
WICHITA, KANSAS

8/13

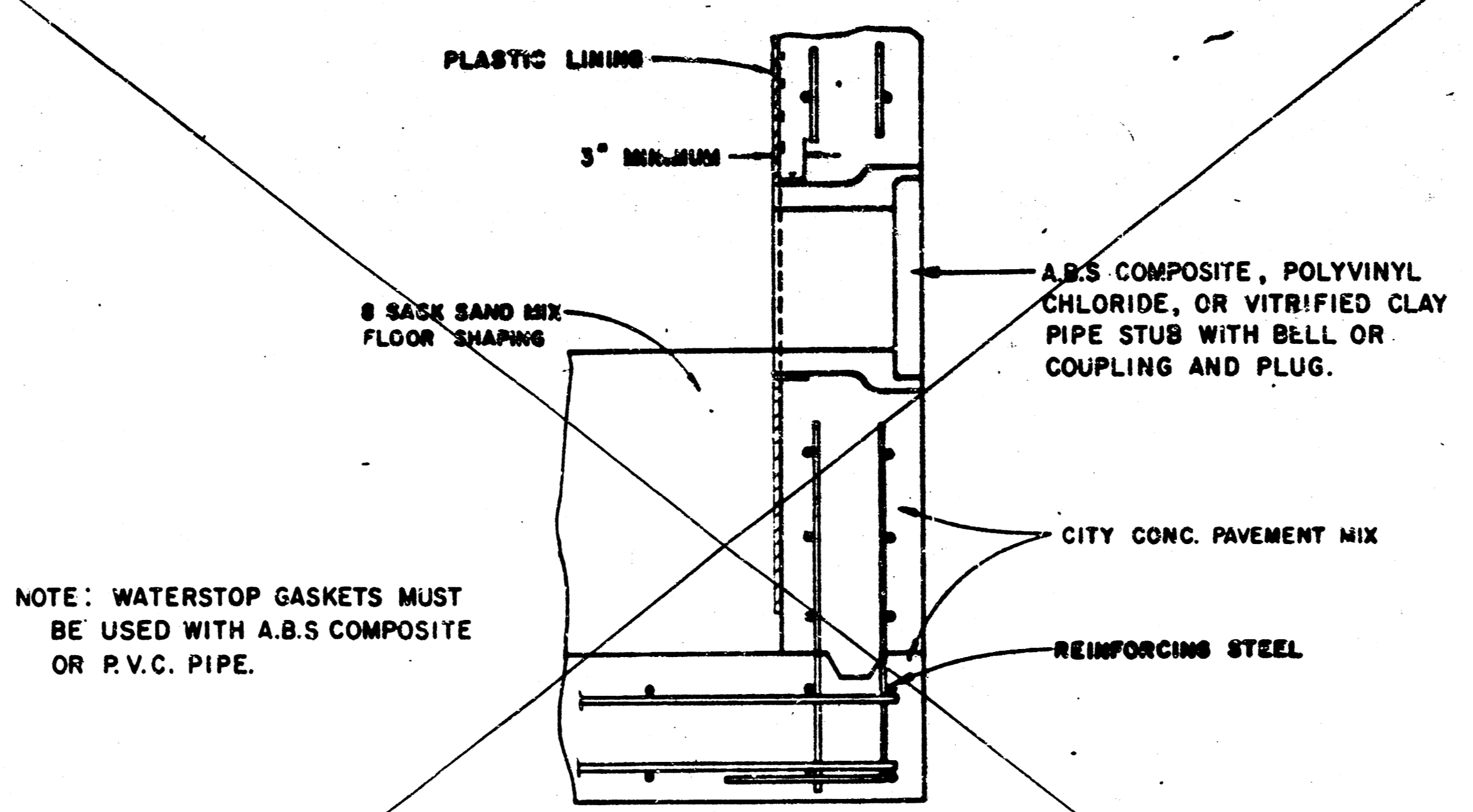
KAS, CSB
KILL, CSB

Mar 1988 87555-2

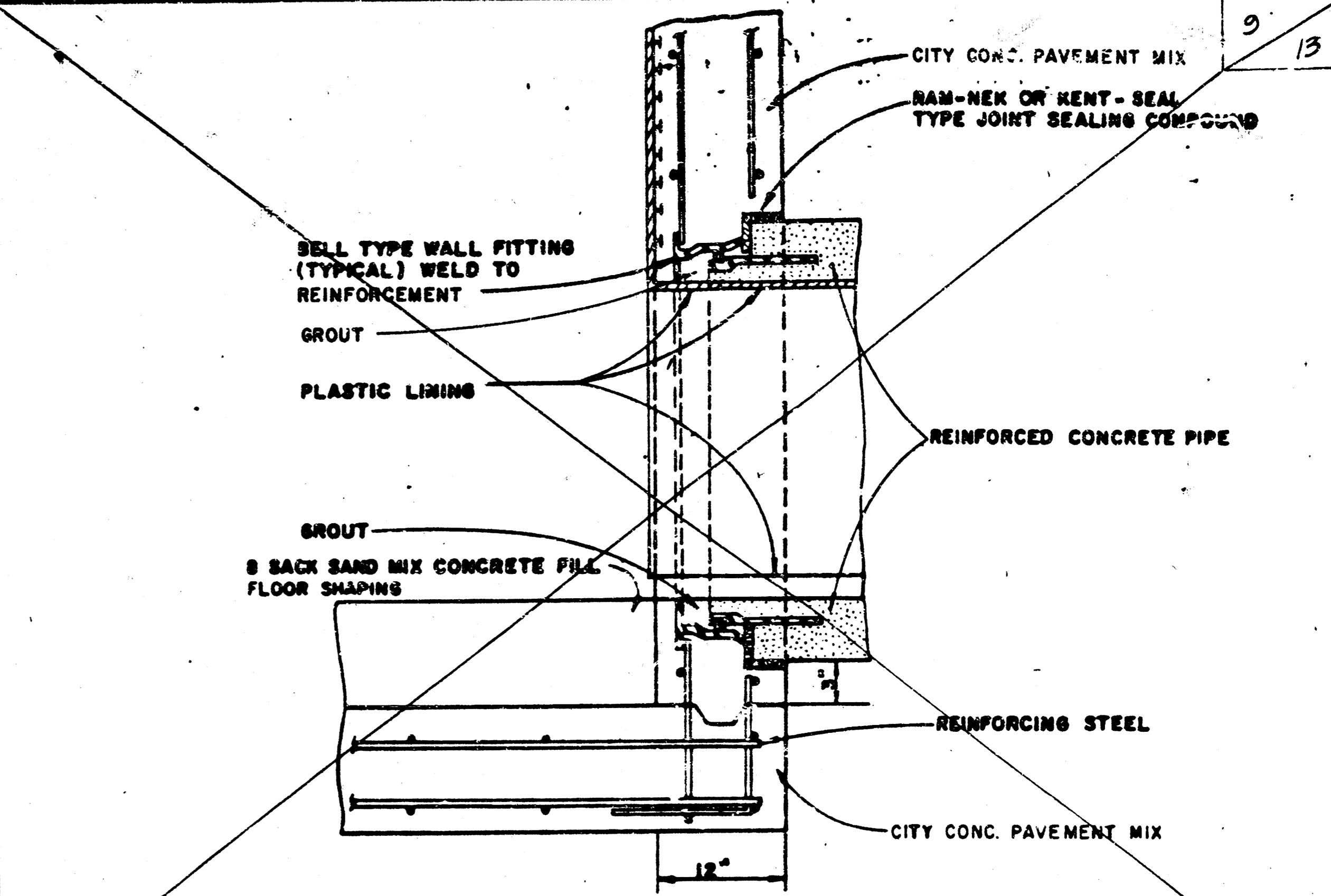
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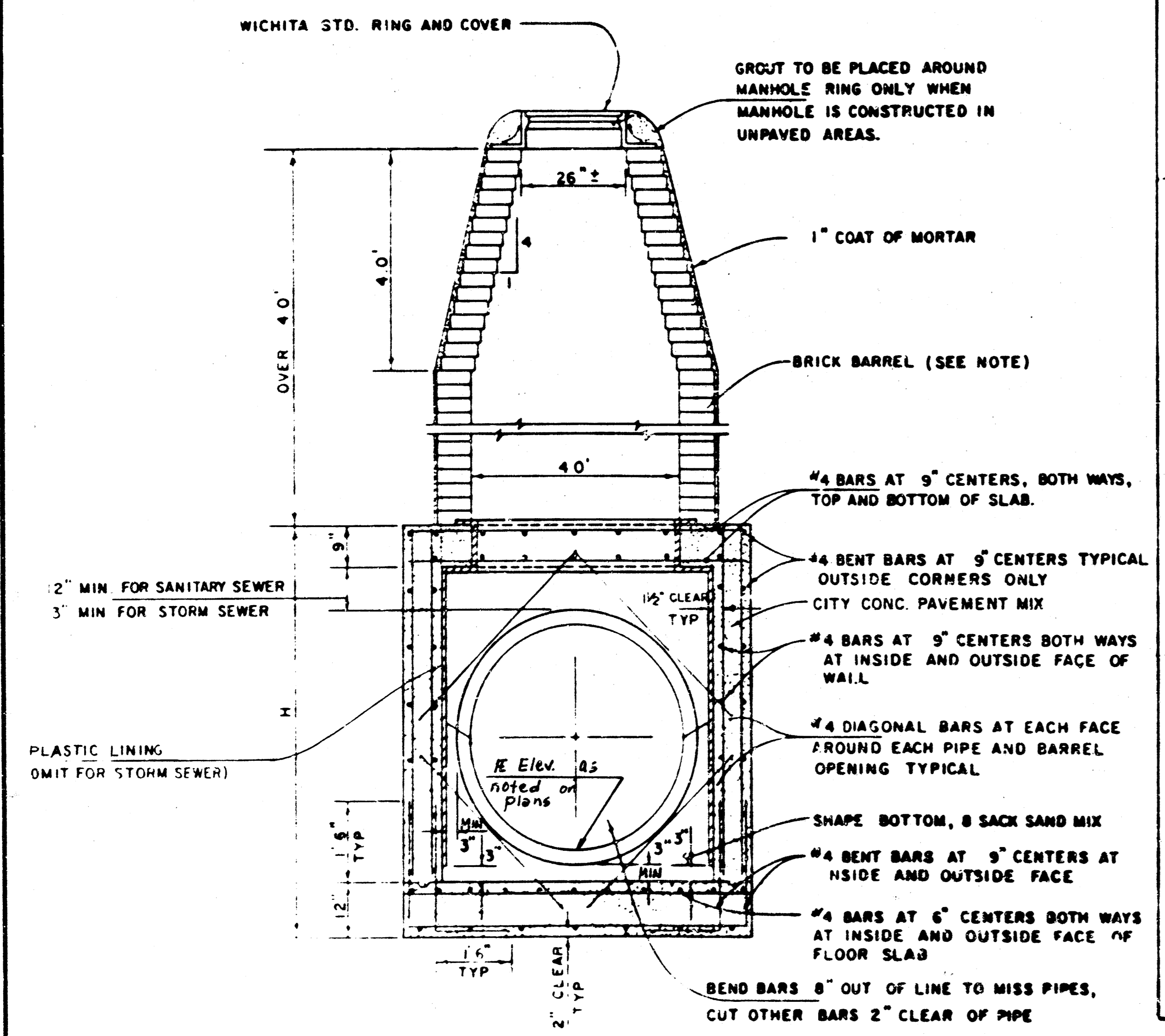
TOP VIEW



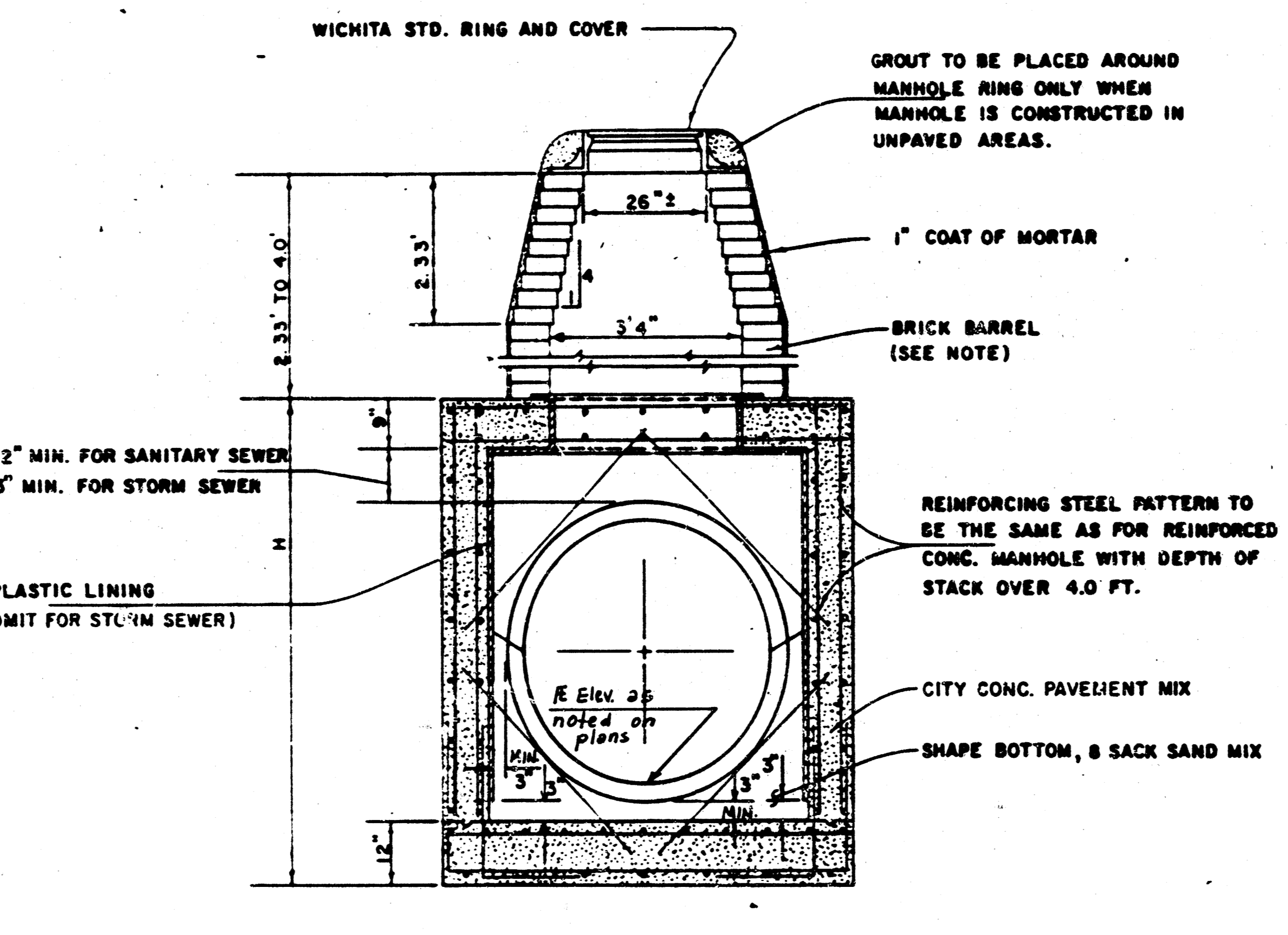
PIPE STUB DETAIL
SANITARY SEWER ONLY



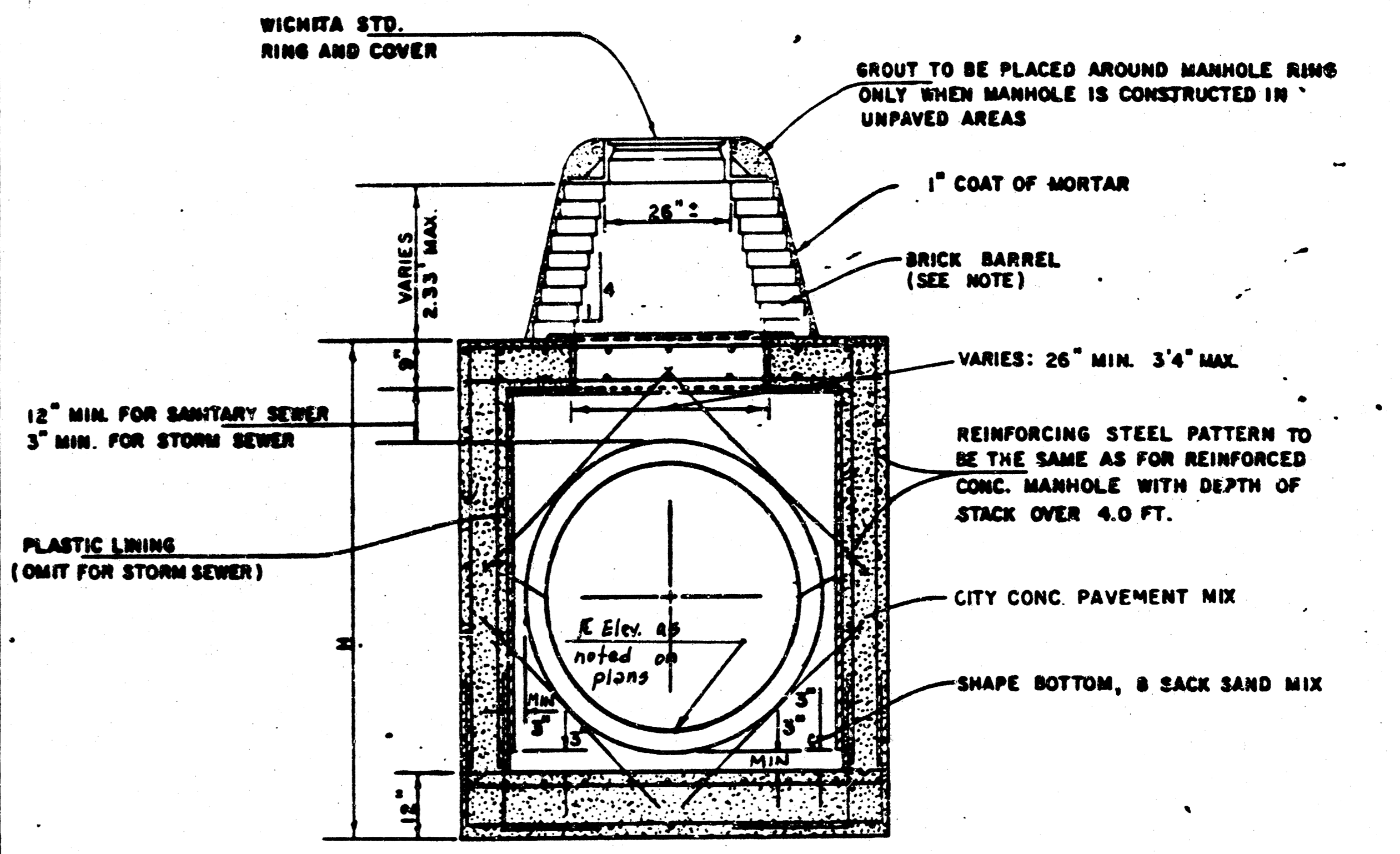
R.C.P. CONNECTION DETAIL
SANITARY SEWER ONLY



REINFORCED CONCRETE MANHOLE
DEPTH OF STACK: OVER 4.0'
SCALE 1" = 2'



REINFORCED CONCRETE MANHOLE
DEPTH OF STACK: 2.33' TO 4.0'
SCALE 1" = 2'

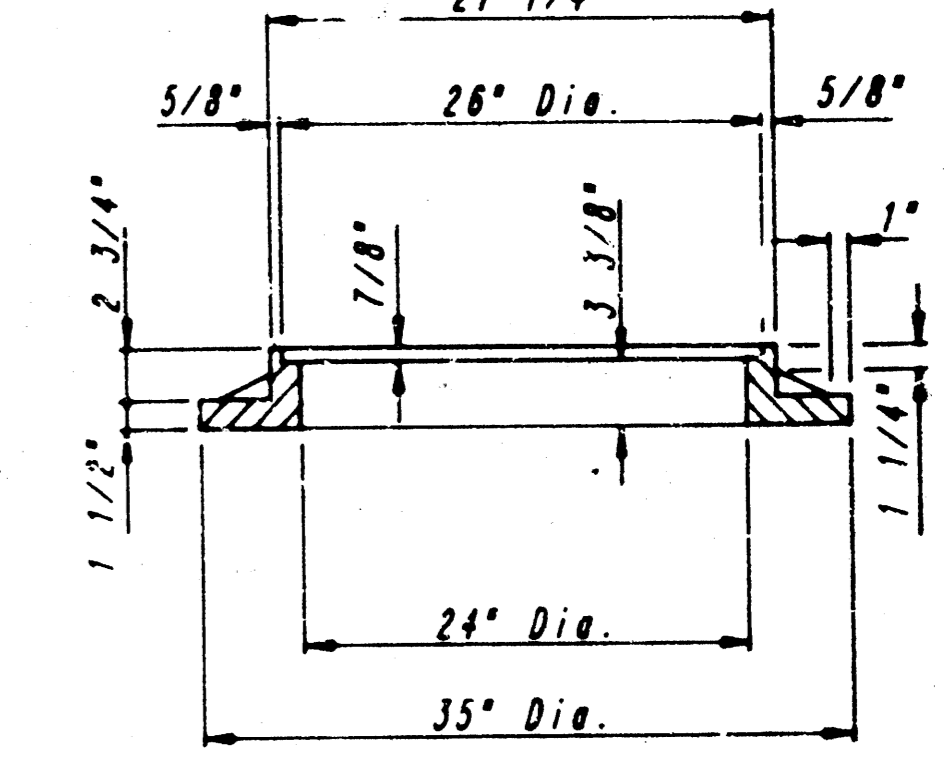
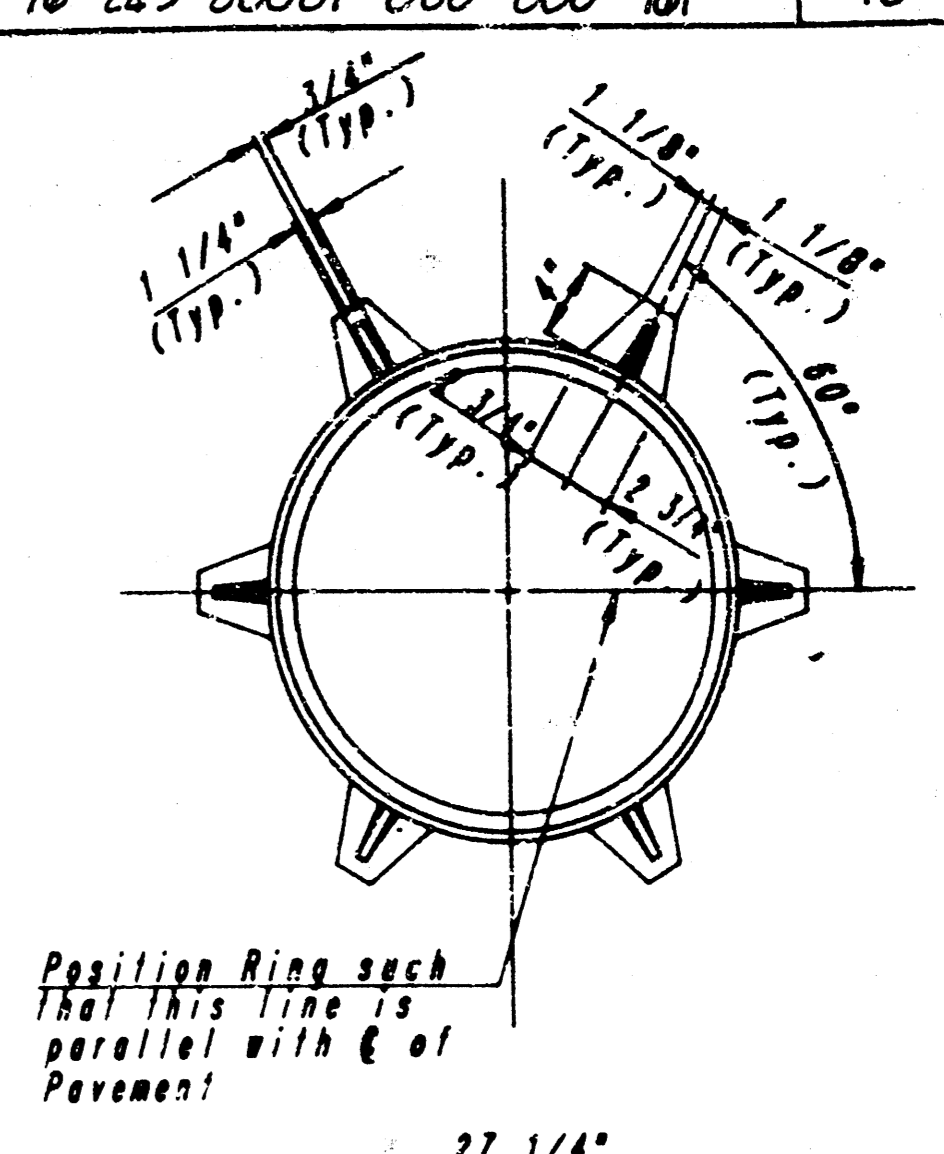
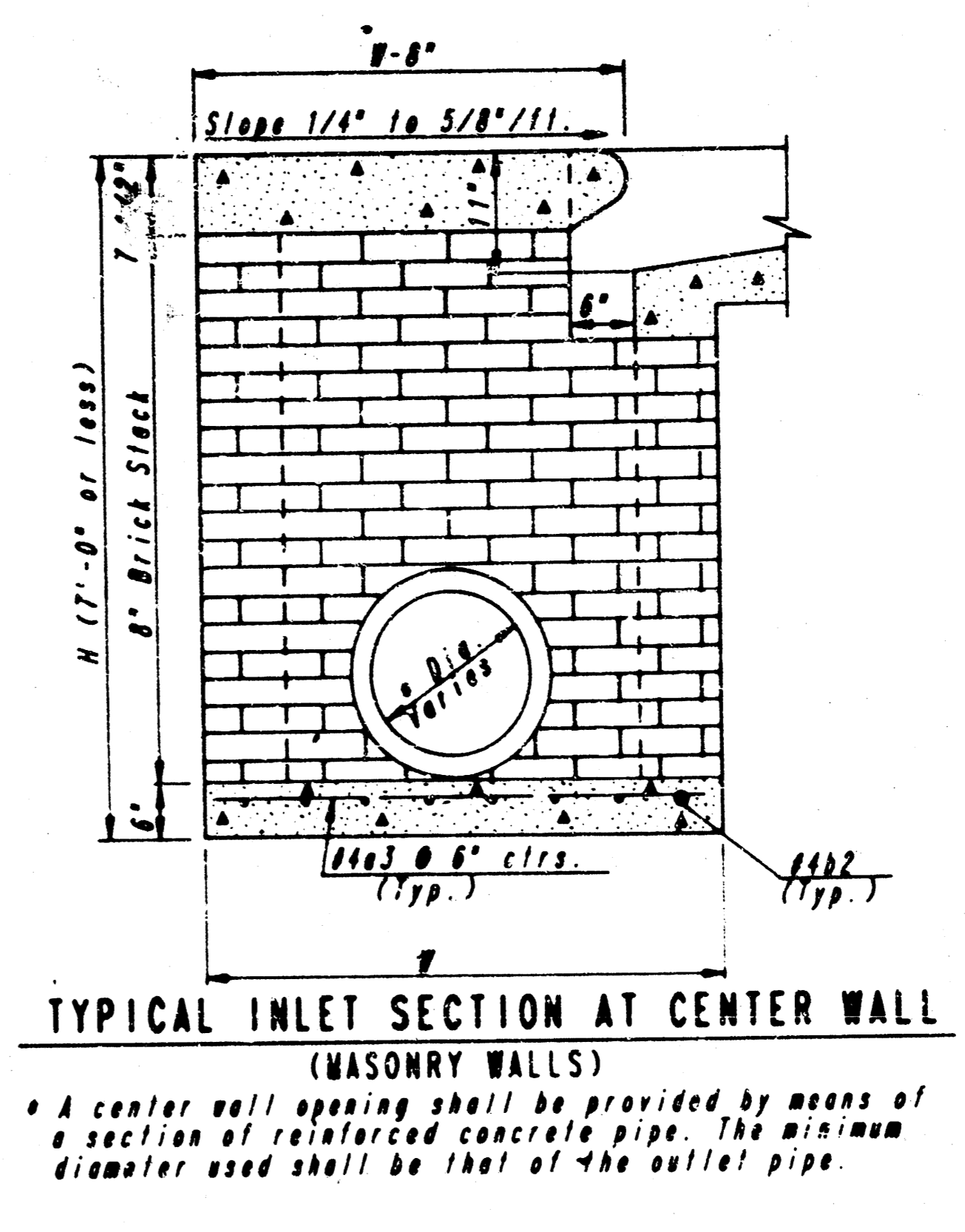
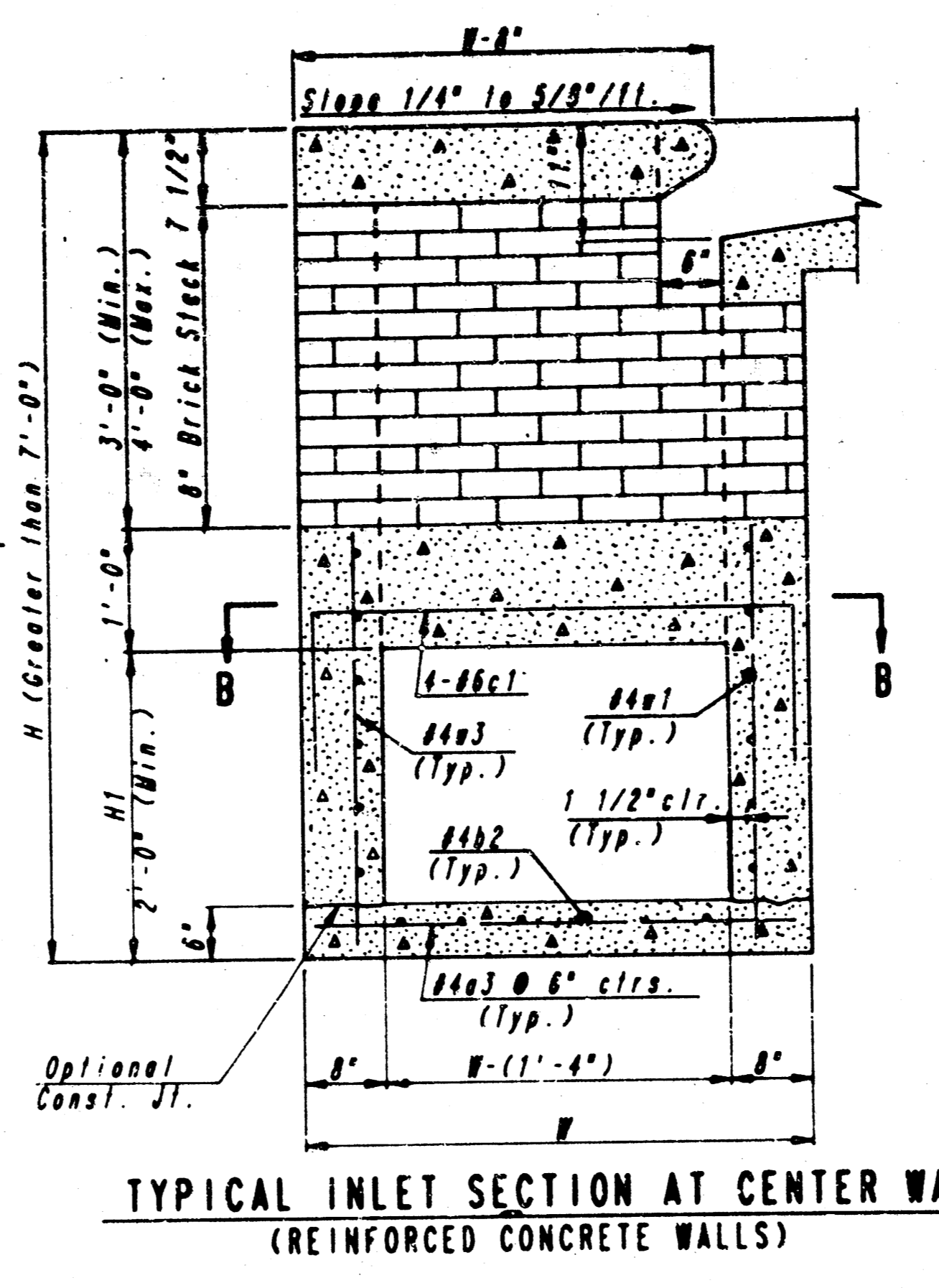
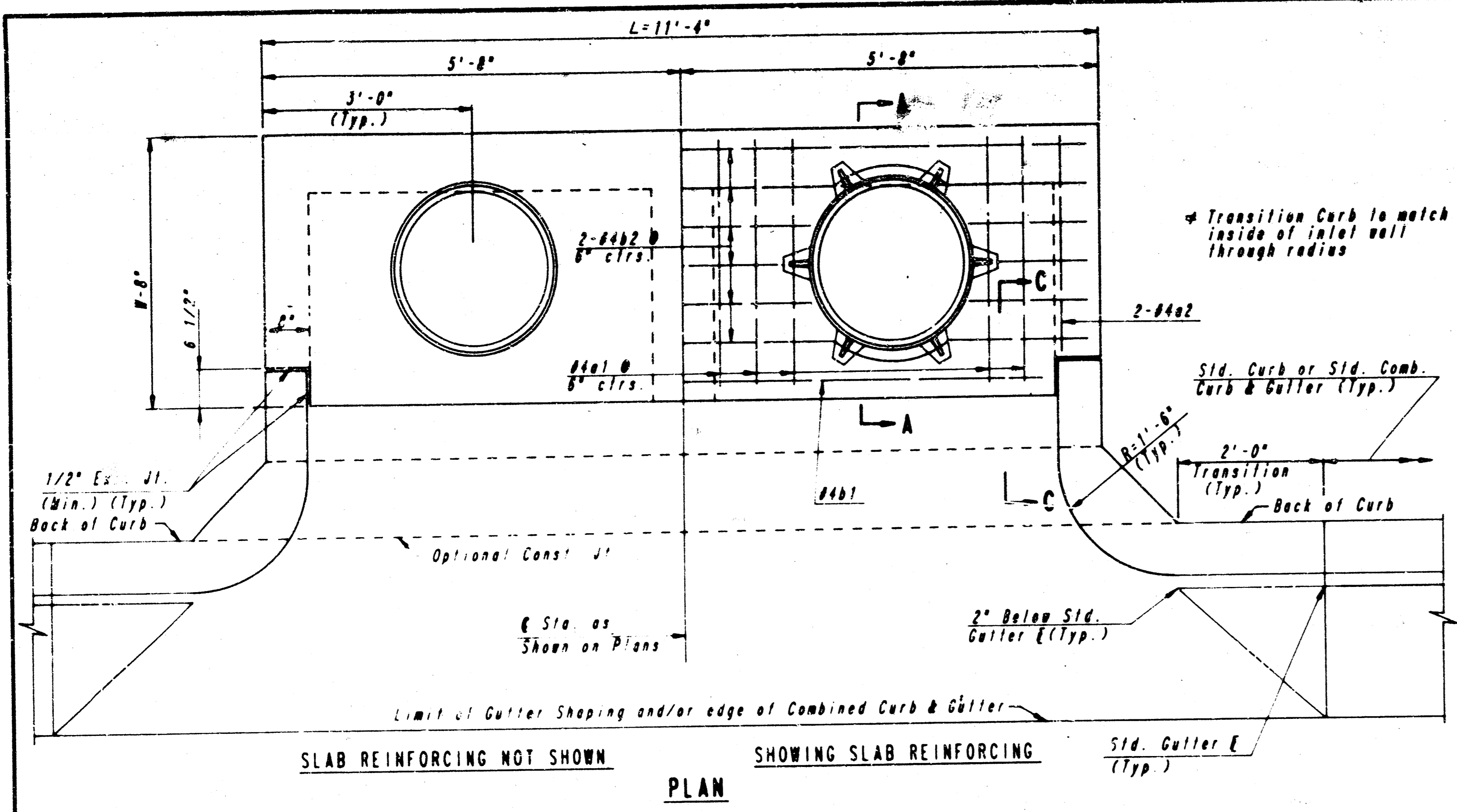


REINFORCED CONCRETE MANHOLE
DEPTH OF STACK: 0' TO 2.33'
SCALE 1" = 2'

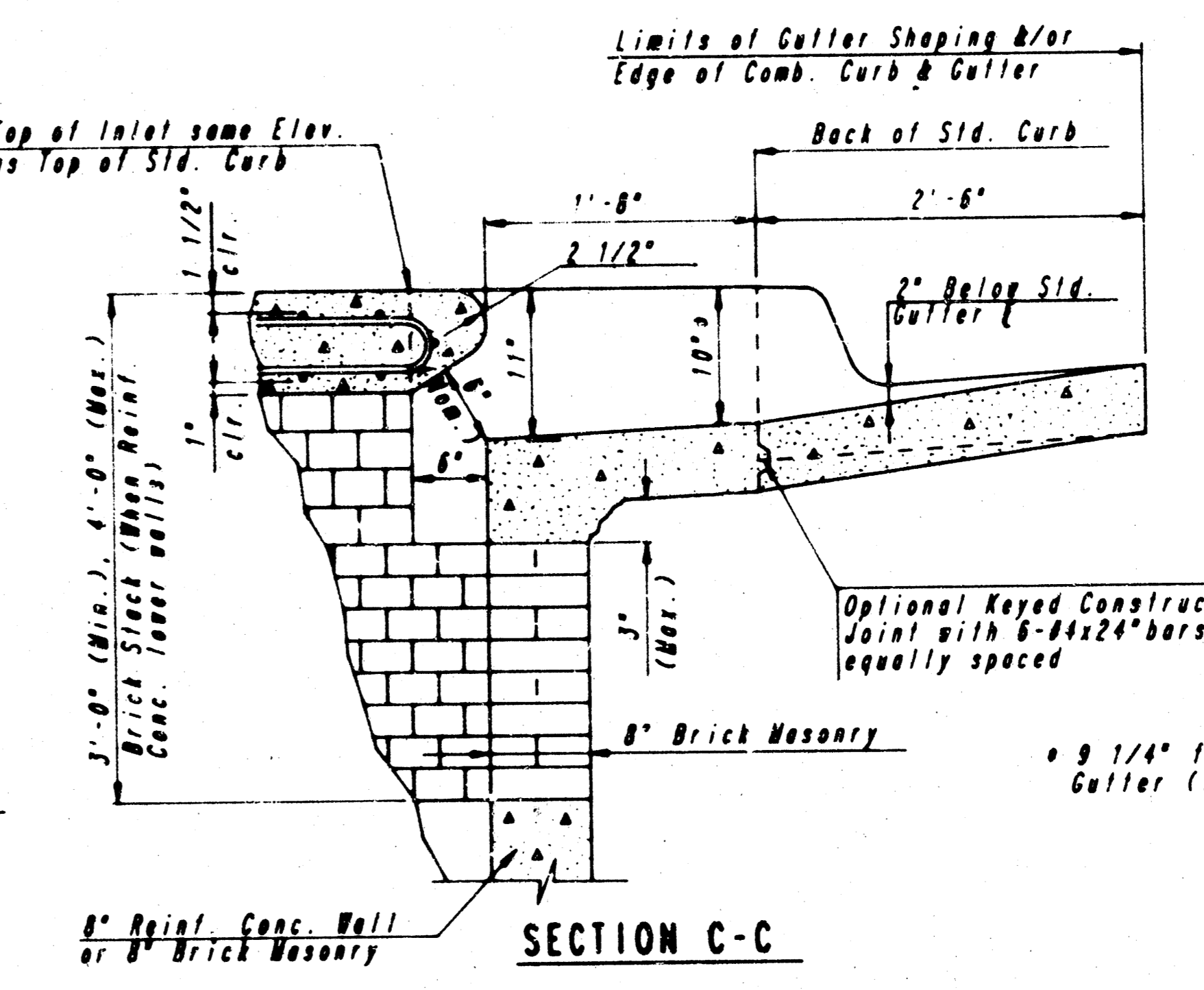
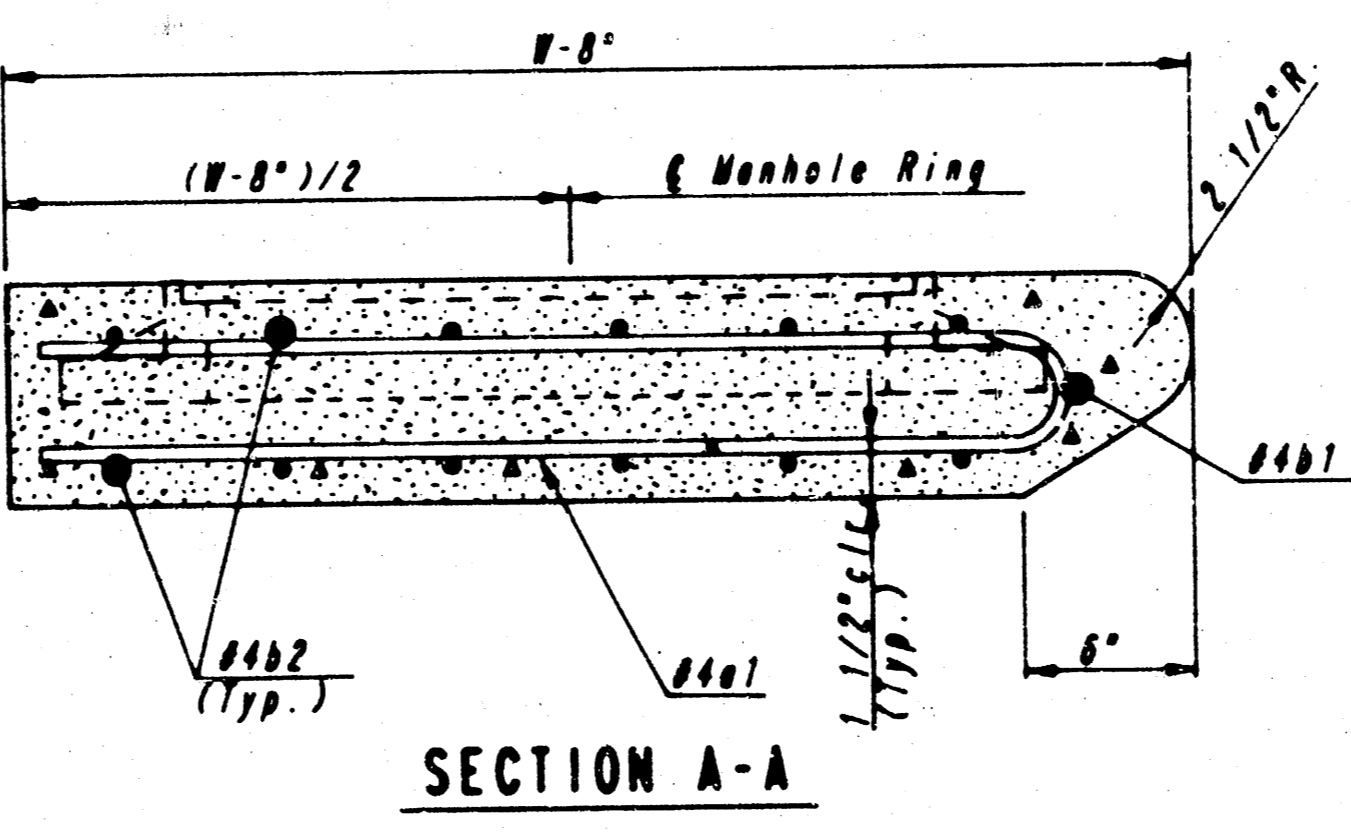
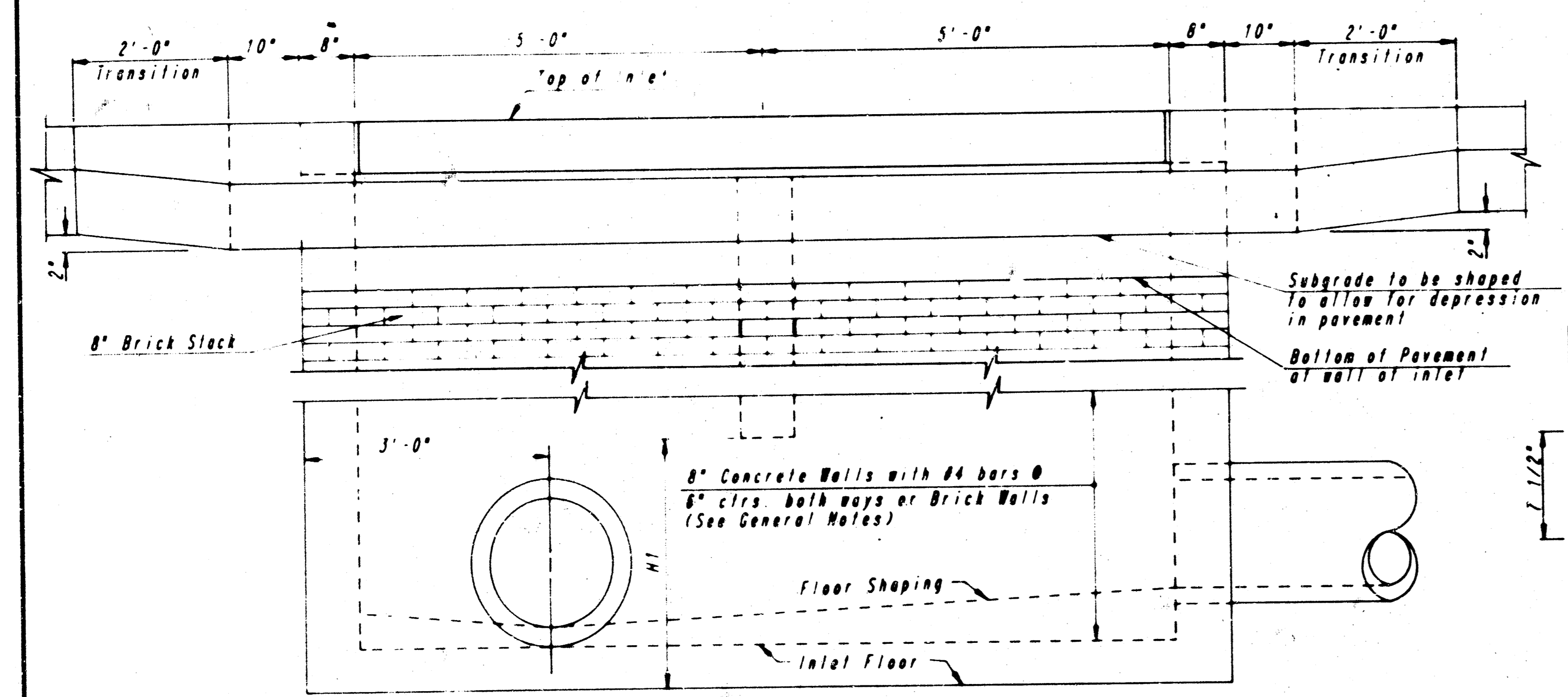
NOTE:
BRICK BARRELS LESS THEN 16" DEEP SHALL HAVE 8" WALLS EXCEPT WHEN LOCATED WITHIN PUBLIC STREET OR ALLEY PAVEMENT THEN THE WALL SHALL BE 12". BRICK BARRELS MORE THEN 16" DEEP SHALL HAVE 12" WALLS. THE "L" AND "W" DIMENSIONS SHALL BE A MINIMUM OF 5'6" FOR BRICK BARRELS WITH 8" WALLS AND 6'2" FOR BRICK BARRELS WITH 12" WALLS WHEN THE BRICK BARRELS ARE OVER 4 FT. IN HEIGHT. COMPLETED MANHOLE SHALL BE WITHOUT LEAKS AND WATERTIGHT.

REVISED 1-7-85 Proj. No. 468-76-245-80001-000-000-161
STANDARD DETAILS
REINFORCED CONCRETE MANHOLES
CITY OF WICHITA
FEBRUARY 1984

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See City of Wichita Standard Manhole Frame and Cover Detail Sheet for Cover Details to be used with Inlet Frame.



GENERAL NOTES

THE CONTRACTOR WILL BE REQUIRED TO CONSTRUCT 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP OF THIS INLET WHEN W-6" OR LESS AND W-7" OR LESS. WHEN W IS GREATER THAN 6"-4" AND W-7" OR LESS, THE OUTSIDE WALLS BELOW THE BRICK STACK SHALL BE REINFORCED CONCRETE CONSTRUCTION AND THE CENTER WALL SHALL BE OF MASONRY CONSTRUCTION AS SHOWN FOR THE MASONRY WALL OPTION.

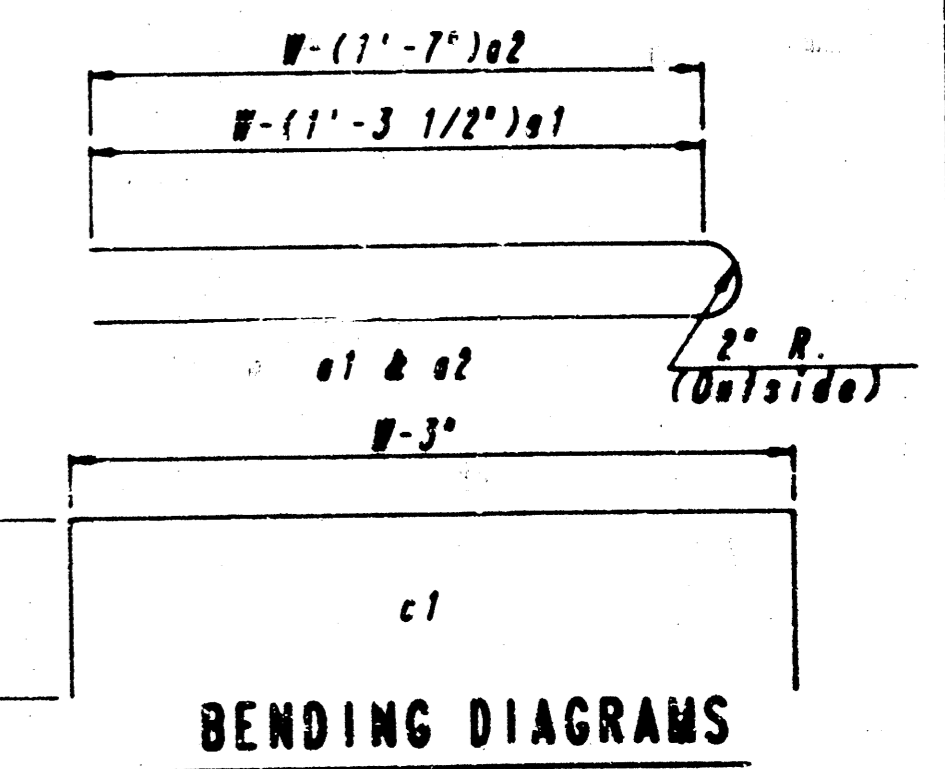
INLET INVERT SHALL BE SHAPED WITH A SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF-CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.

CONCRETE SHALL BE CITY OF WICHITA STANDARD PAVING MIX. ALL EXPOSED EDGES SHALL BE FINISHED WITH AN EDGING TOOL. INLET TOPS ARE TO BE PLACED ON A TIGHT SMOOTH CURVE TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE PRECAST OR CAST IN PLACE. INLET TOPS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB.

UNLESS OTHERWISE NOTED, ALL BARS ARE #4 OR #6. CENTERS AND SHALL HAVE A MINIMUM CLEARANCE OF 1-1/2". BARS SHALL BE FIELD BENT OR CUT TO CLEAR MANHOLE BRIGGS AND PIPE OPENINGS.

THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.

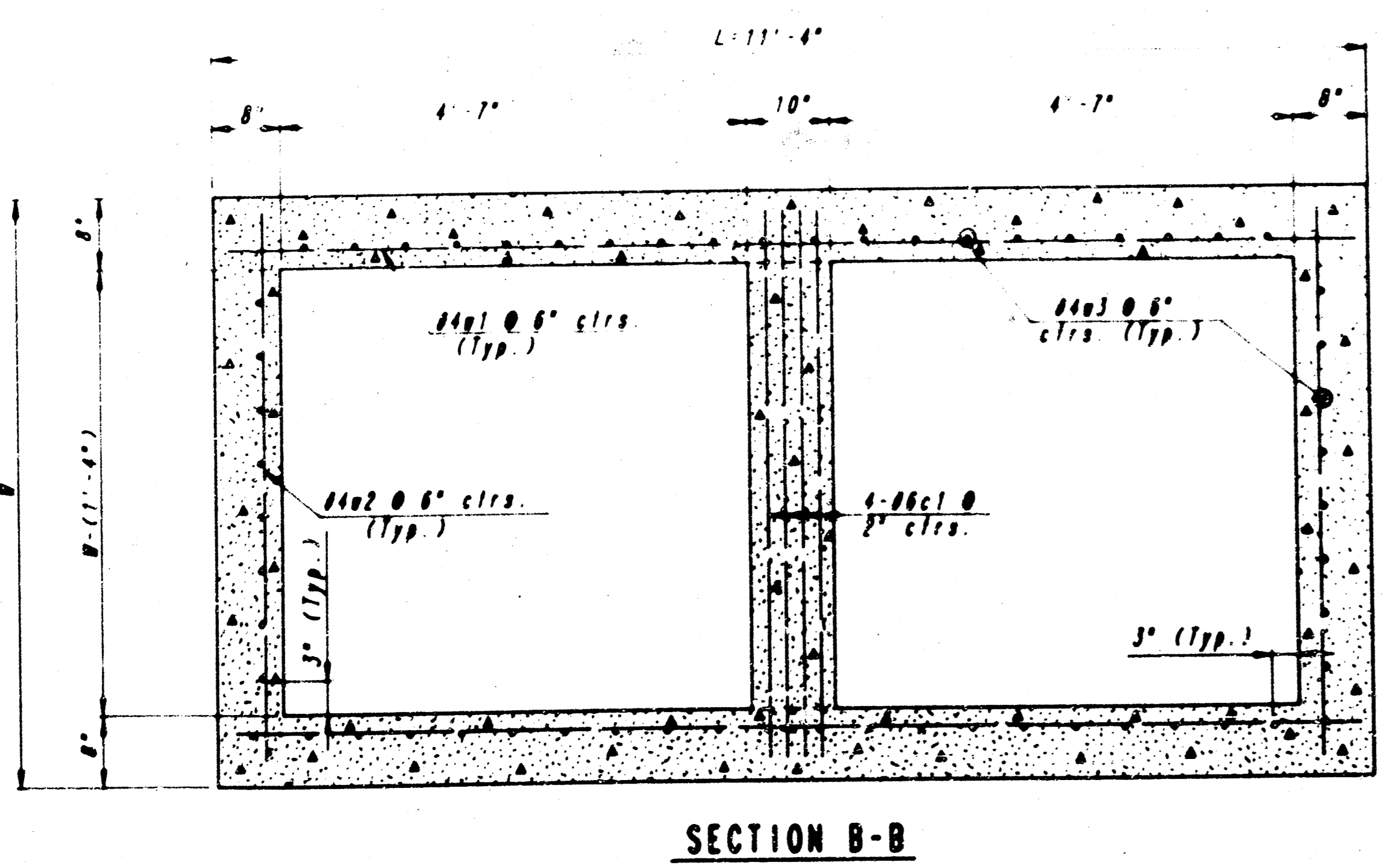
ADDITIONAL CURB AND/OR CURB AND GUTTER CONSTRUCTION NECESSARY TO CONNECT SET-BACK INLET TO PAVEMENT WILL BE PAID FOR AT THE UNIT PRICE BID PER EACH FOR "INLET HOODING".



SLAB AND FLOOR REINFORCING											
		W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
#1	#4	13	6'-7 1/4"	13	8'-7 1/4"	13	10'-7 1/4"	13	12'-7 1/4"	13	14'-7 1/4"
#2	#4	2	6'-0"	2	8'-0"	2	10'-0"	2	12'-0"	2	14'-0"
#3	#4	20	4'-3"	20	5'-1"	20	6'-2"	20	7'-1"	20	8'-1"
#1	#4	1	9'-8"	1	9'-8"	1	9'-2"	1	9'-8"	1	9'-8"
#2	#4	18	11'-3"	24	11'-3"	30	11'-1"	36	11'-1"	42	11'-1"

WALL REINFORCING											
		W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
c1	#8	4	8'-3"	4	7'-3"	4	8'-1"	4	9'-1"	4	10'-1"
w1	#4	0	11'-1"	0	11'-1"	0	11'-1"	0	11'-1"	0	11'-1"
w2	#4	0	4'-1"	0	5'-1"	0	6'-1"	0	7'-1"	0	8'-1"
w3	#4	0	0	0	0	0	0	0	0	0	0

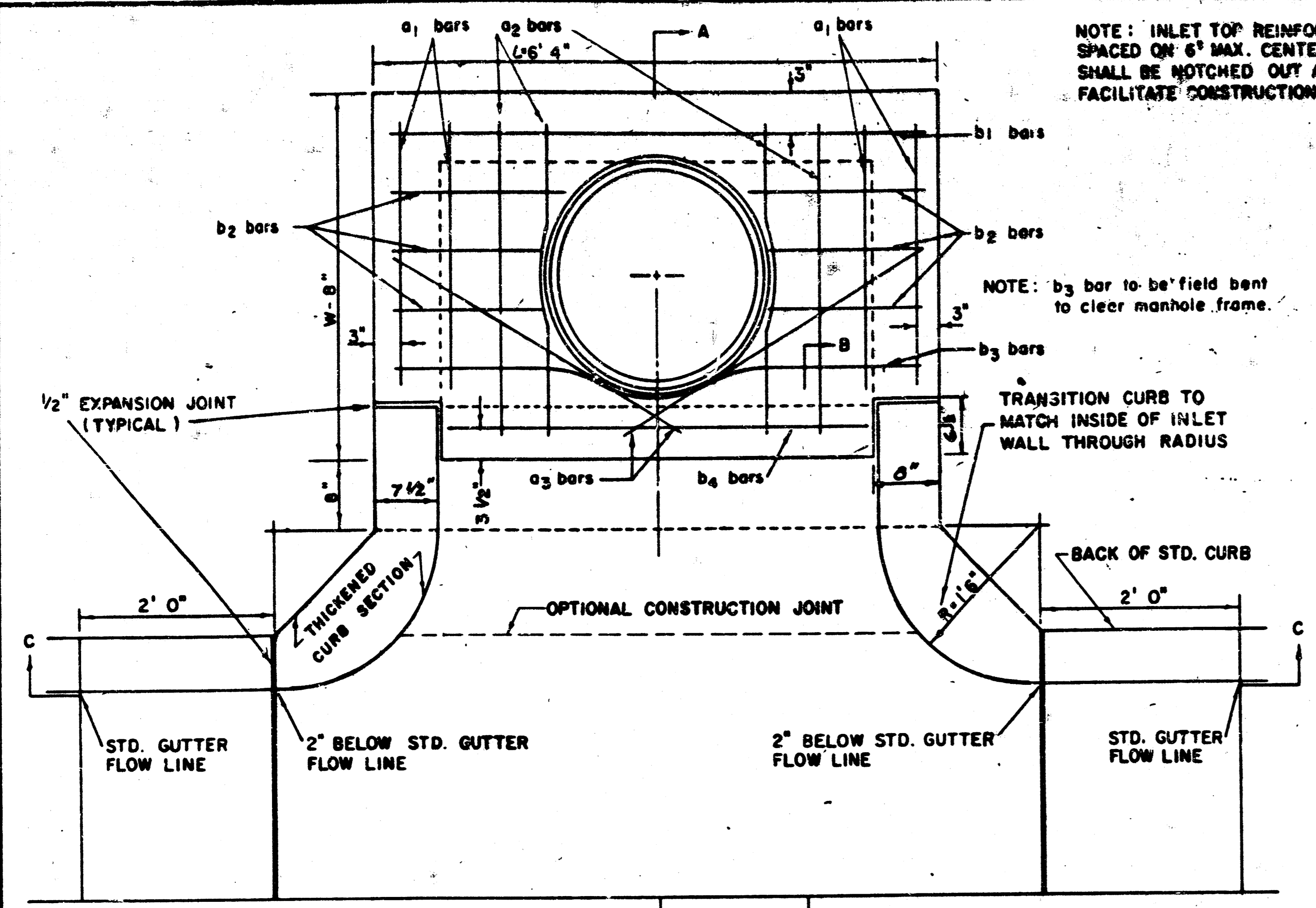
* Field bend or cut Reinforcing as required for clearance
 ① 4(N1-6") + 4 (N1-6") Rounded down to nearest 0.5"
 ② 40 + 4(W - 10") ③ N1-(C9")



CITY OF WICHITA, KANSAS
DETAIL STANDARD TYPE IA CURB INLET
 INLET OPENING - 6" x 10'-0" (L-11'-4")
 PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
 ENGINEERS
 WICHITA, KANSAS

Designed by: _____ Checked by: _____
 Drawn by: _____ Date: _____ Job No. 10/13

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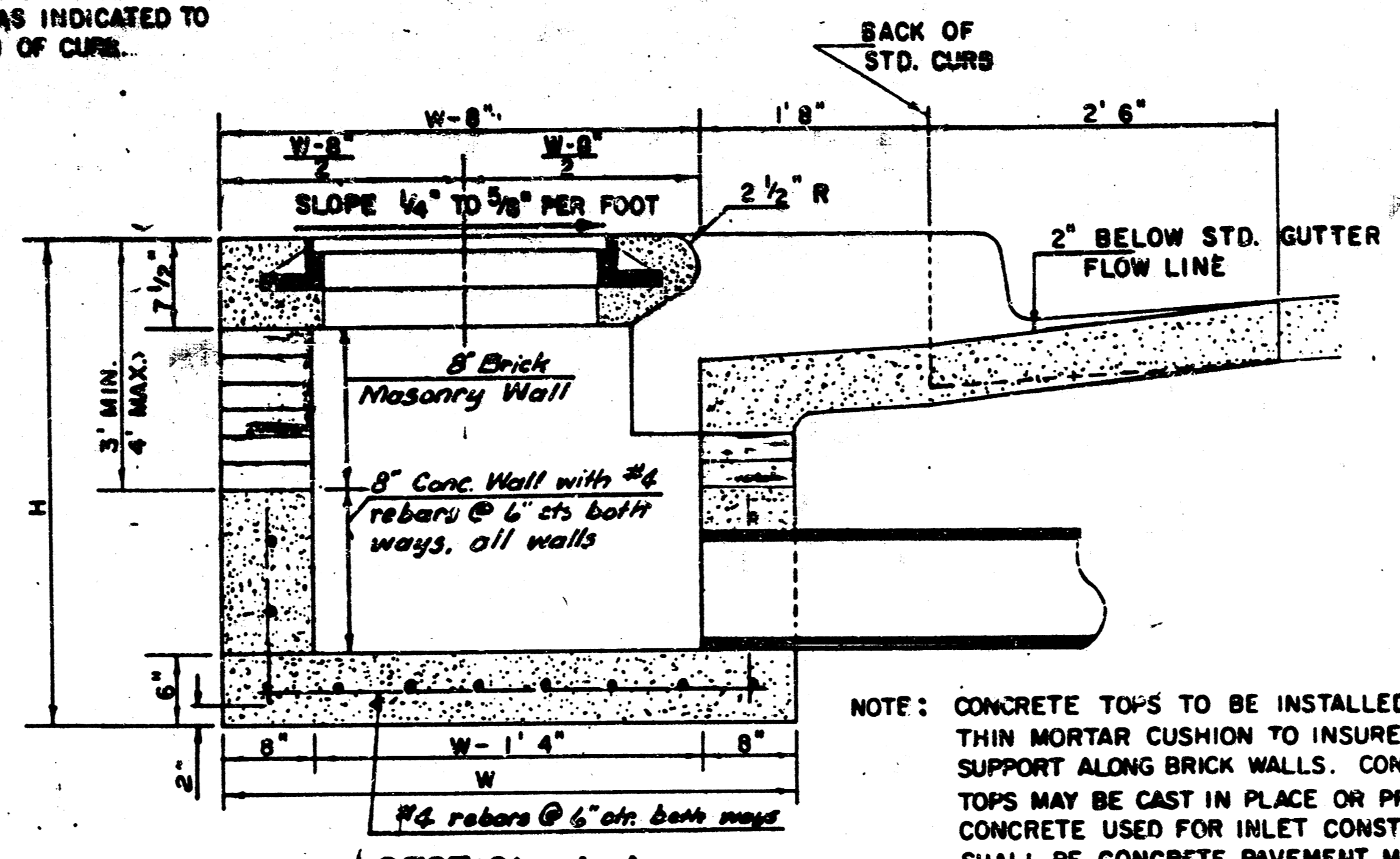
NOTE: EXPANSION JOINT ONLY IN CURB AREA WITH CONC. PAVEMENT.

PLAN

NOTE: INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB.

NOTE: b3 bar to be field bent to clear manhole frame.

TRANSITION CURB TO MATCH INSIDE OF INLET WALL THROUGH RADIUS



NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE USED FOR INLET CONSTRUCTION SHALL BE CONCRETE PAVEMENT MIX.

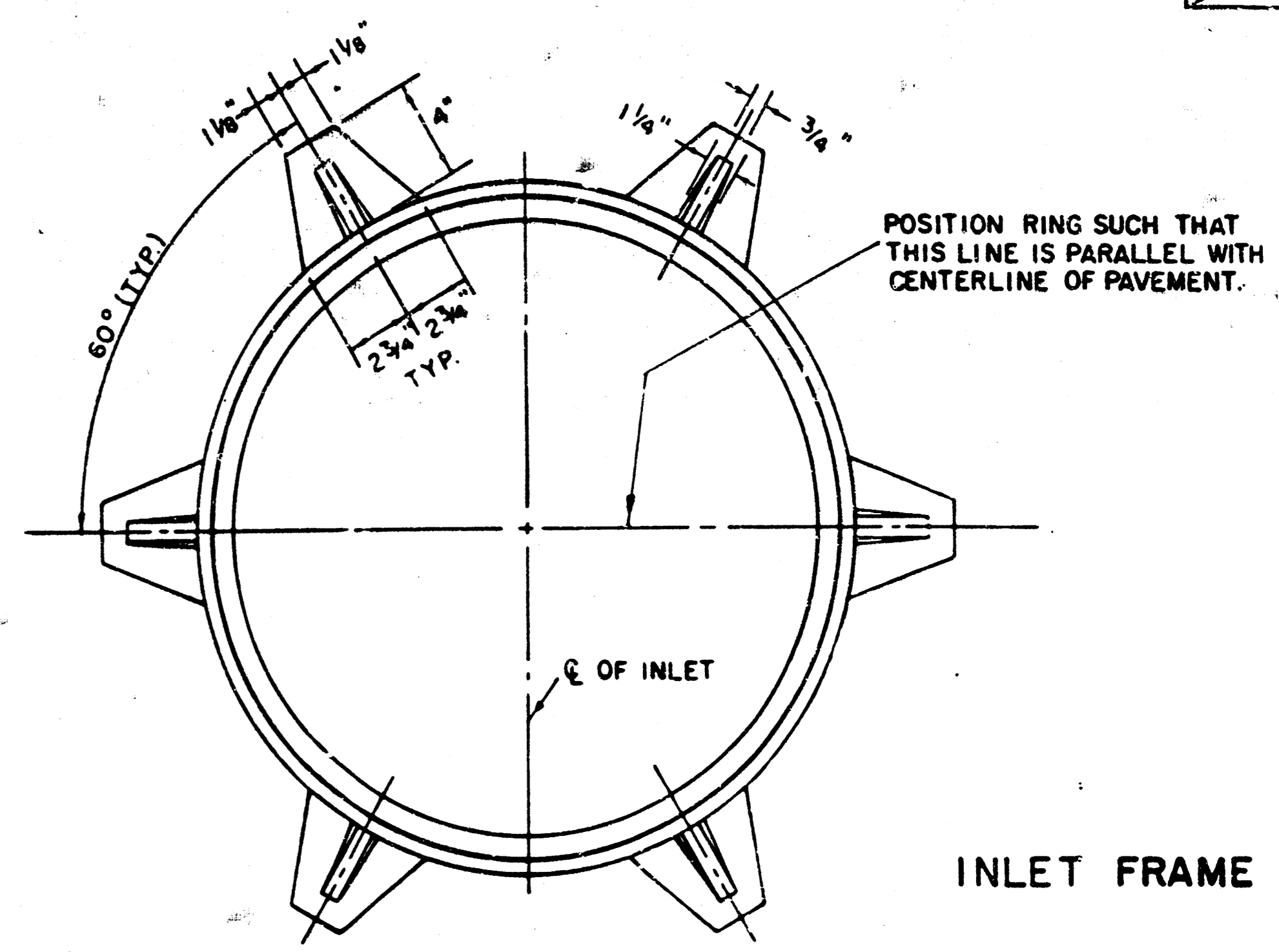
SECTION A-A

NOTE: CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN W = 6' 4" AND H = 7' 0" OR LESS.

ADDITIONAL CURB AND GUTTER CONSTRUCTION NECESSARY TO CONNECT SET-BACK INLET TO PAVEMENT WILL BE PAID FOR AT THE UNIT PRICE BID FOR EACH INLET HOOKUP.

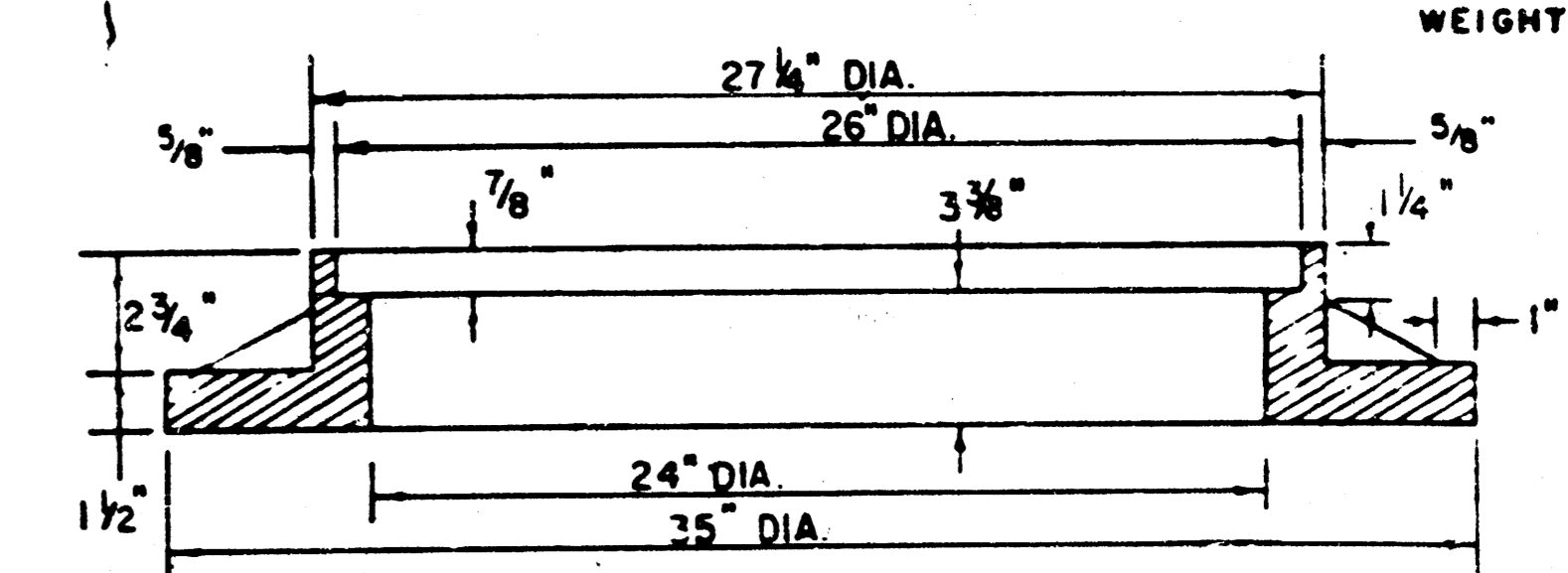
INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.

THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.



WEIGHT = 180 LBS.

INLET FRAME



SEE CITY OF WICHITA STANDARD MANHOLE FRAME AND COVER DETAIL SHEET FOR COVER DETAILS TO BE USED WITH INLET FRAME.

STEEL SCHEDULE

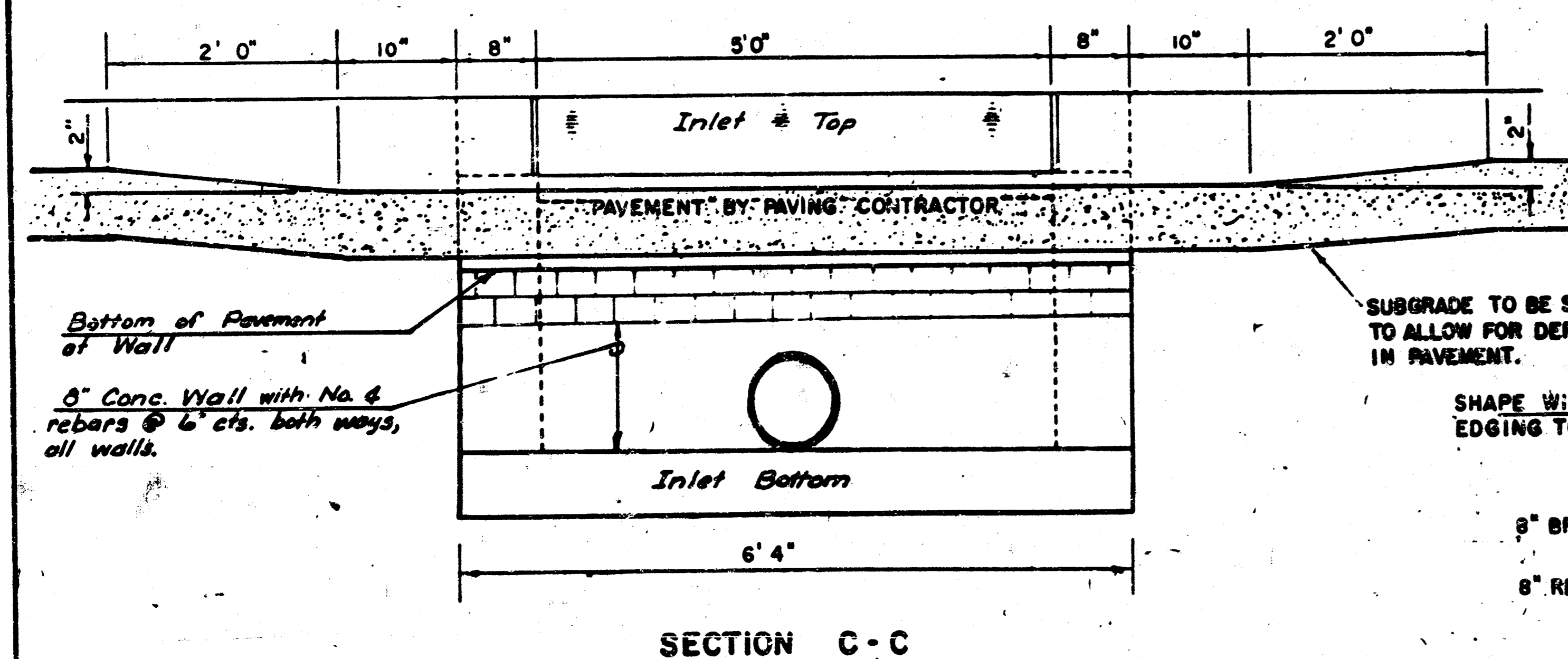
BAR	a1	a2	a3	b1				b2	b3	b4	MT. / 35	
NUMBER	4	4	2	1	3	5	7	9	6	1	1	
SIZE	#4	#4	#4	#4	#4	#4	#4	#4	#4	#6		
W=4'4"	5'7"	6'7"	4'0"	6'1"	-	-	-	-	1'9"	6'2"	4'8"	80±
W=5'4"	7'7"	8'7"	5'0"	-	6'1"	-	-	-	1'9"	6'2"	4'8"	81±
W=6'4"	9'7"	10'7"	6'0"	-	-	6'1"	-	-	1'9"	6'2"	4'8"	101±
W=7'4"	11'7"	12'7"	7'0"	-	-	-	6'1"	-	1'9"	6'2"	4'8"	121±
W=8'4"	13'7"	14'7"	8'0"	-	-	-	-	6'1"	1'9"	6'2"	4'8"	141±

* NOTE: a3 BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

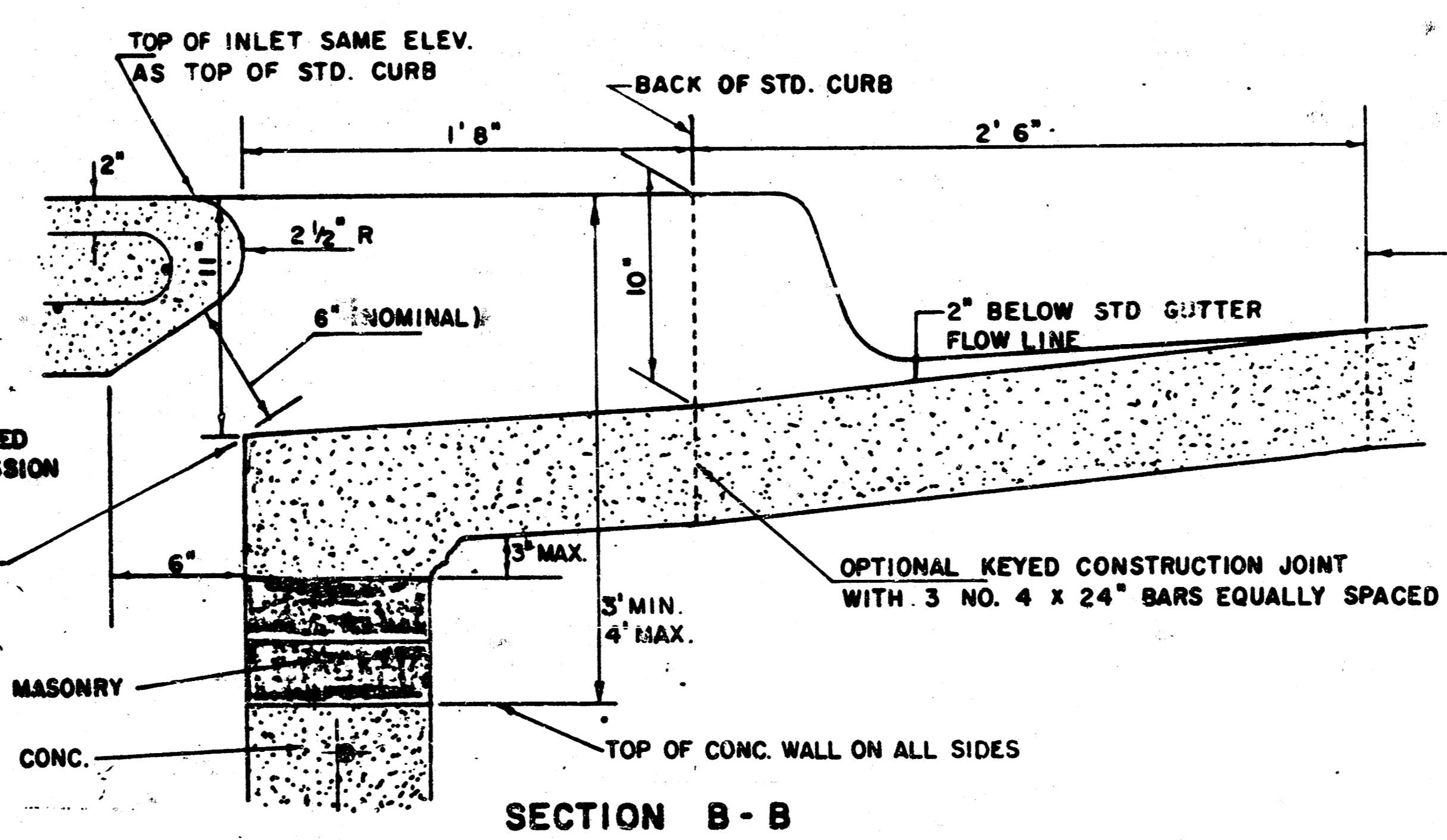
BENDING DIAGRAM

STANDARD CURB INLET PRECAST TOPS

W	PRECAST T. SIZE	PIPE SIZE	CU. YD. CONC.
4' 4"	3' 6" x 6' 4" x 7 1/2"	21" & SMALLER	0.38 ±
5' 4"	4' 6" x 6' 4" x 7 1/2"	24" & 30"	0.51 ±
6' 4"	5' 6" x 6' 4" x 7 1/2"	36" & 42"	0.64 ±
7' 4"	6' 6" x 6' 4" x 7 1/2"	48" & 54"	0.77 ±
8' 4"	7' 6" x 6' 4" x 7 1/2"	60" & 66"	0.90 ±



SECTION C-C

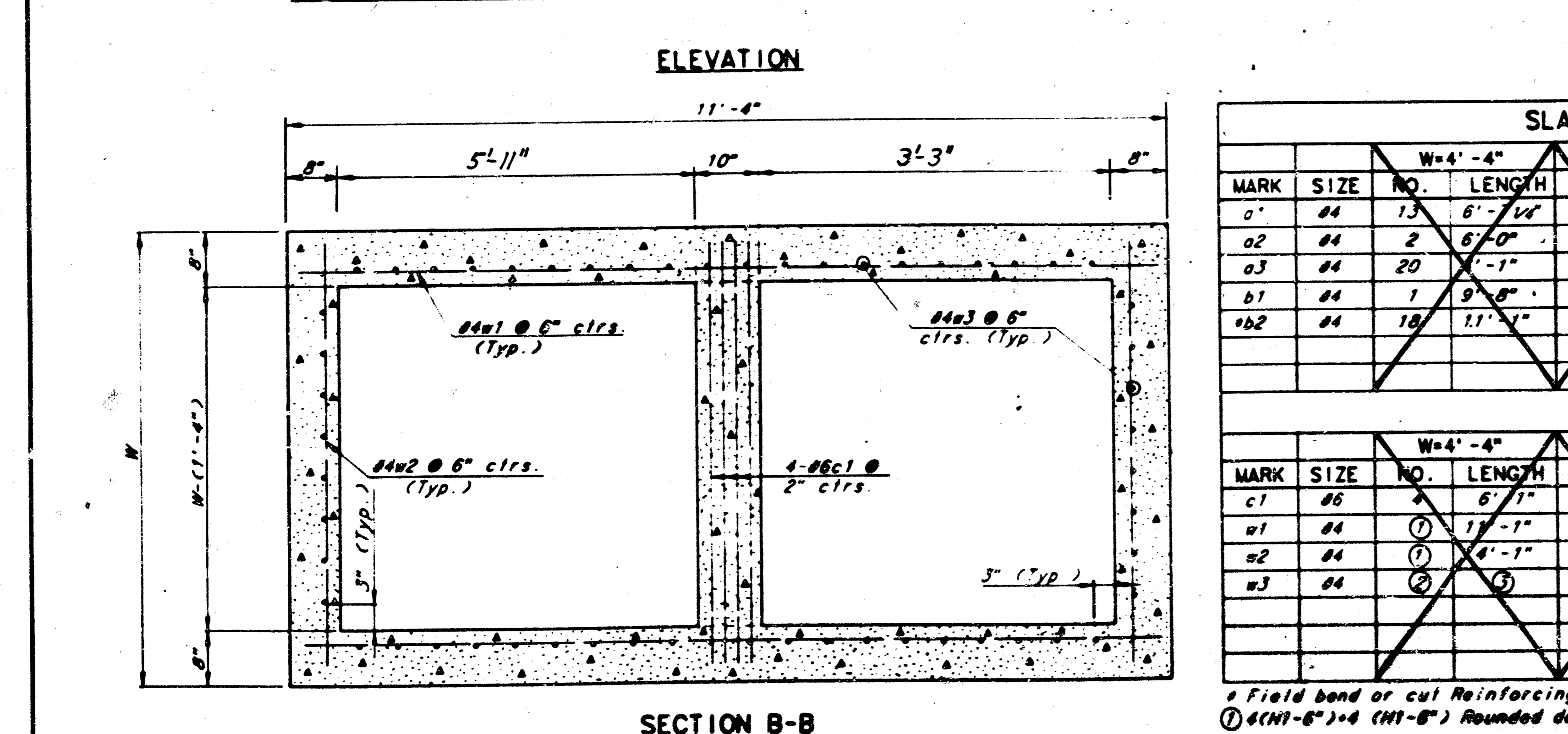
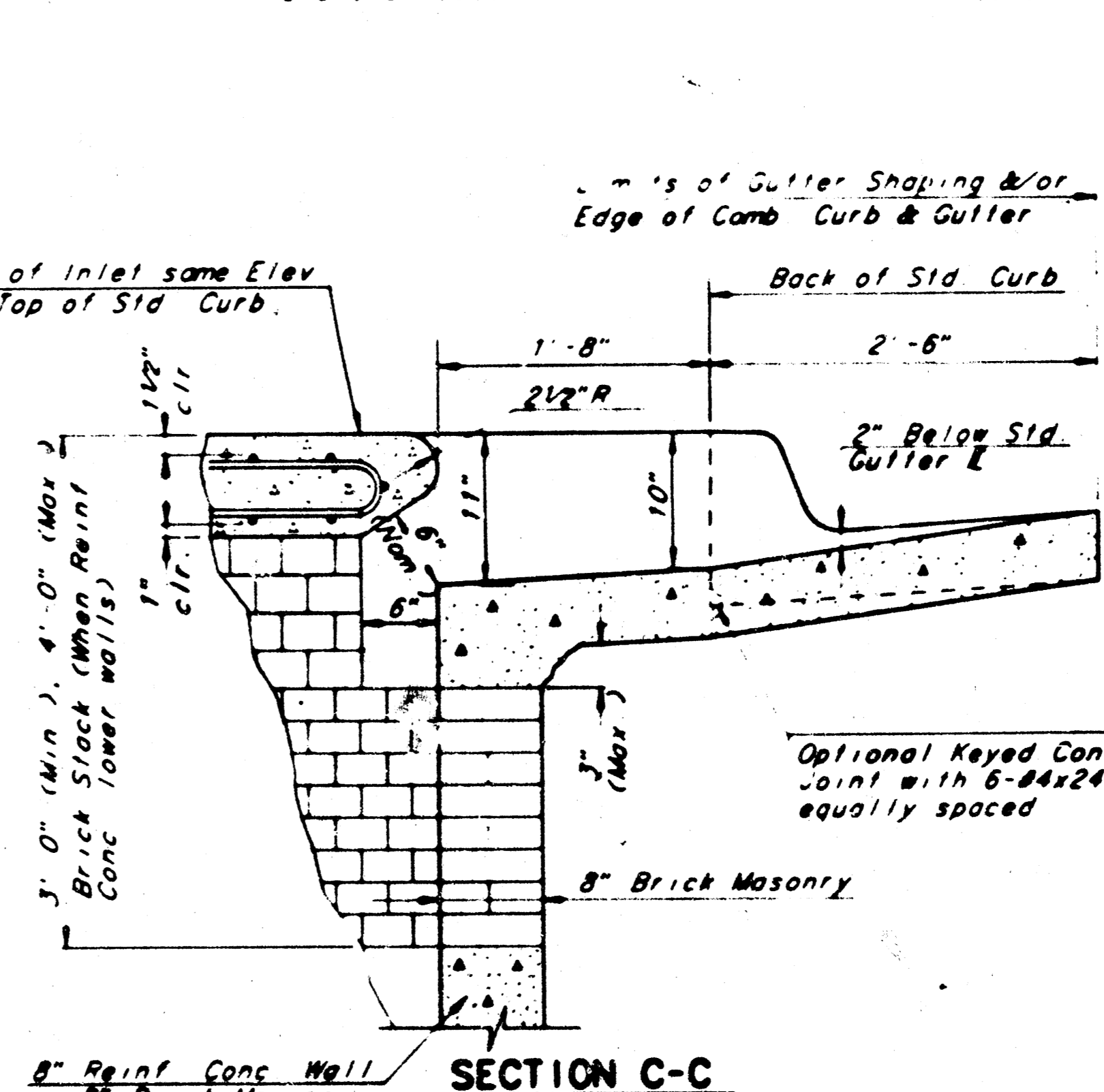
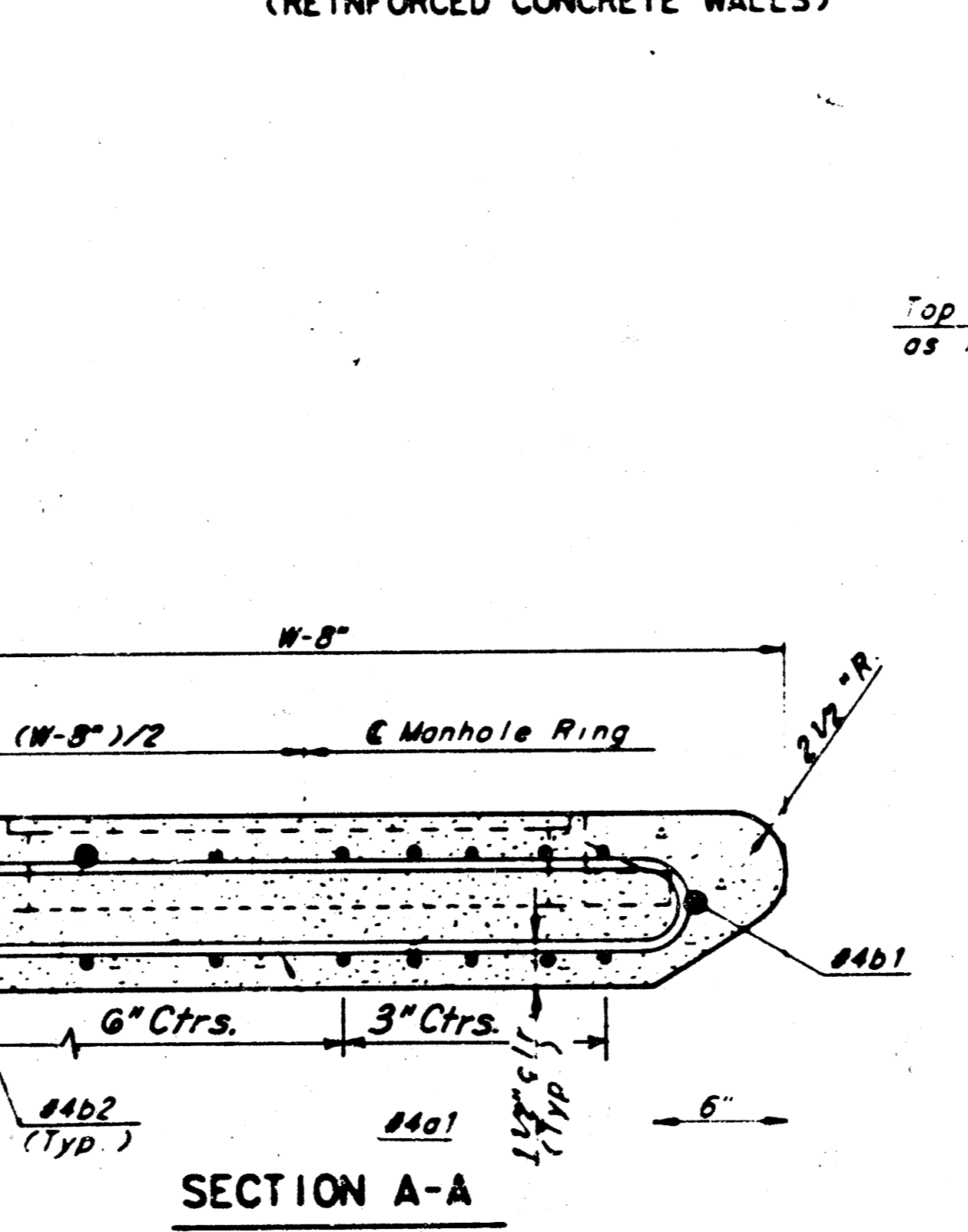
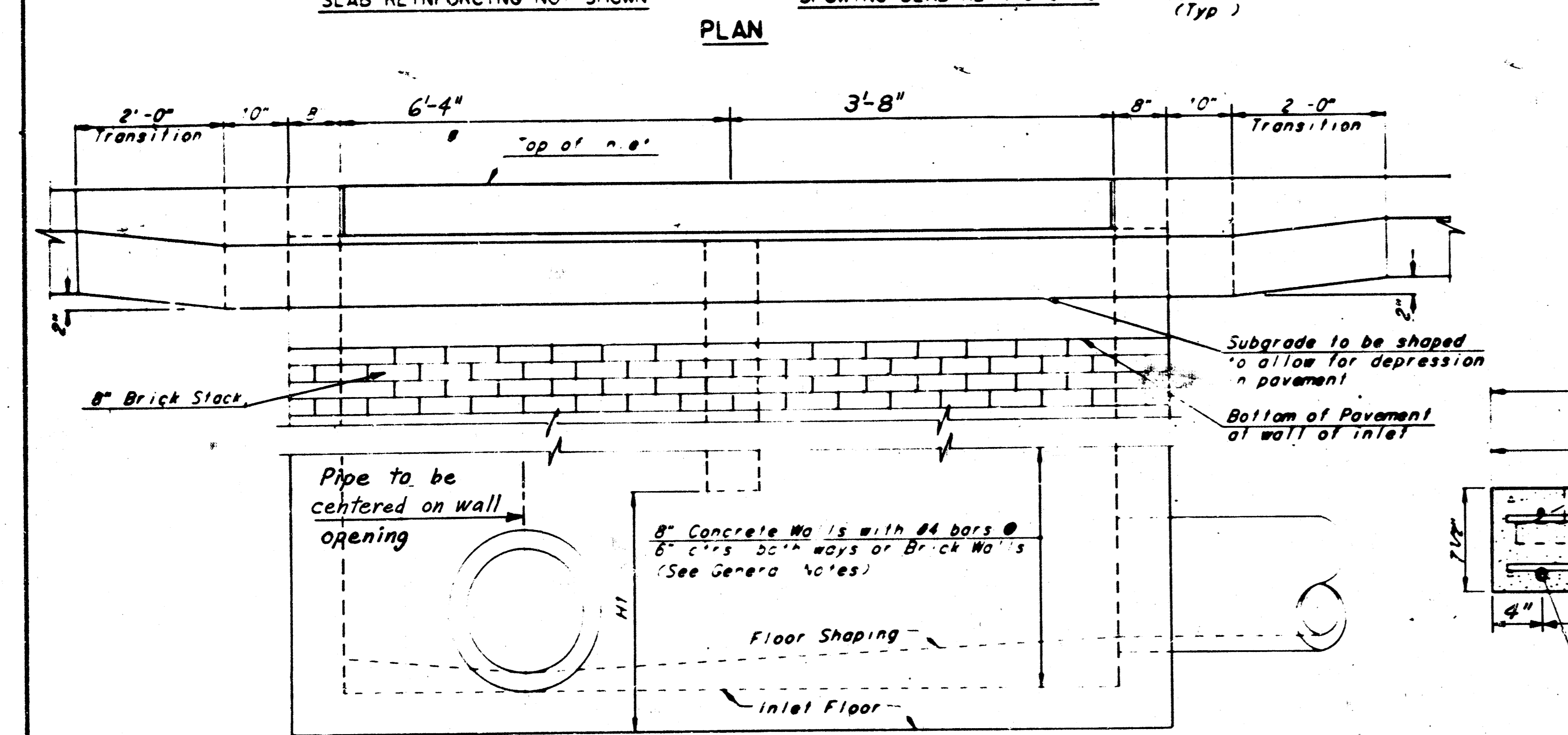
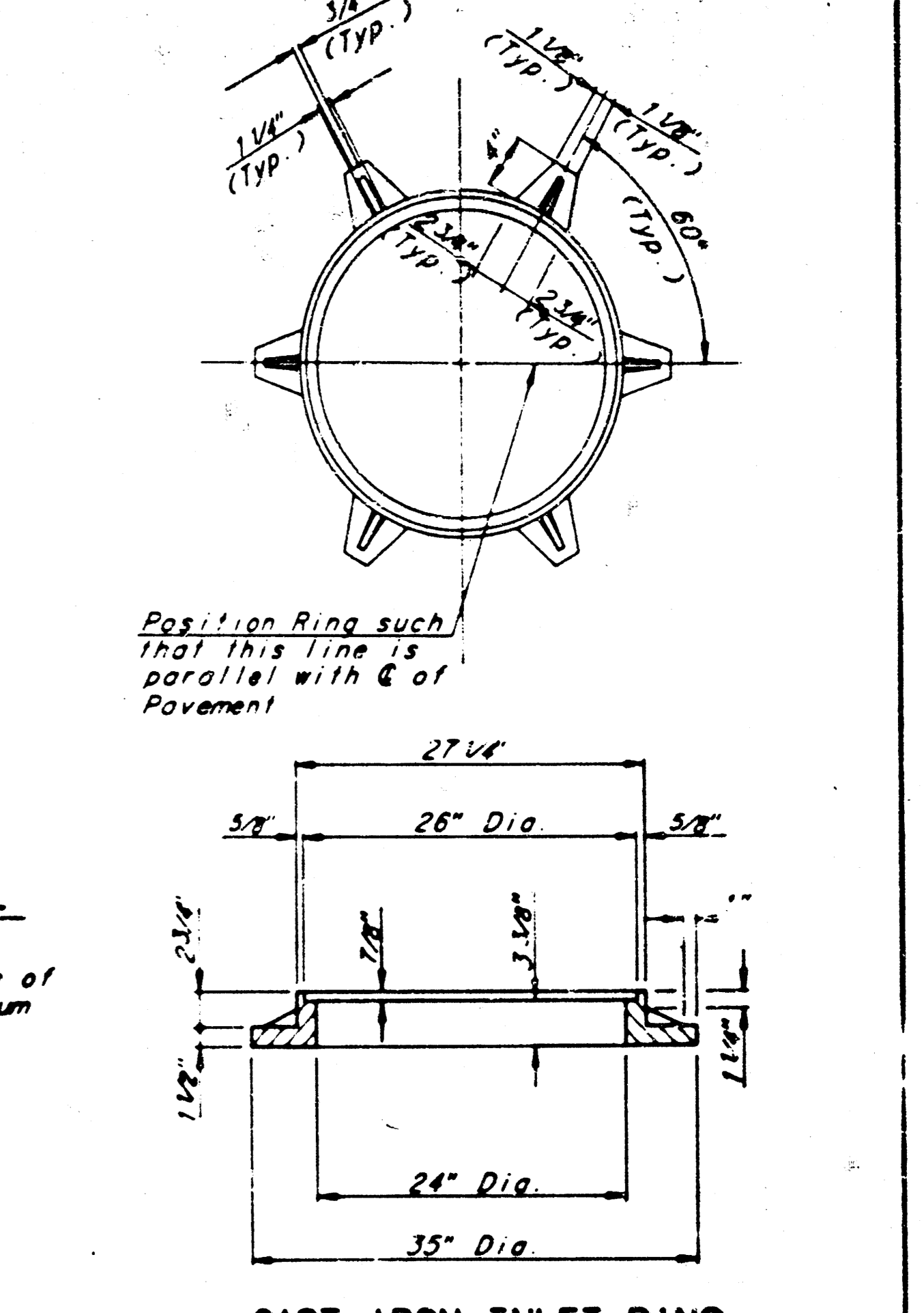
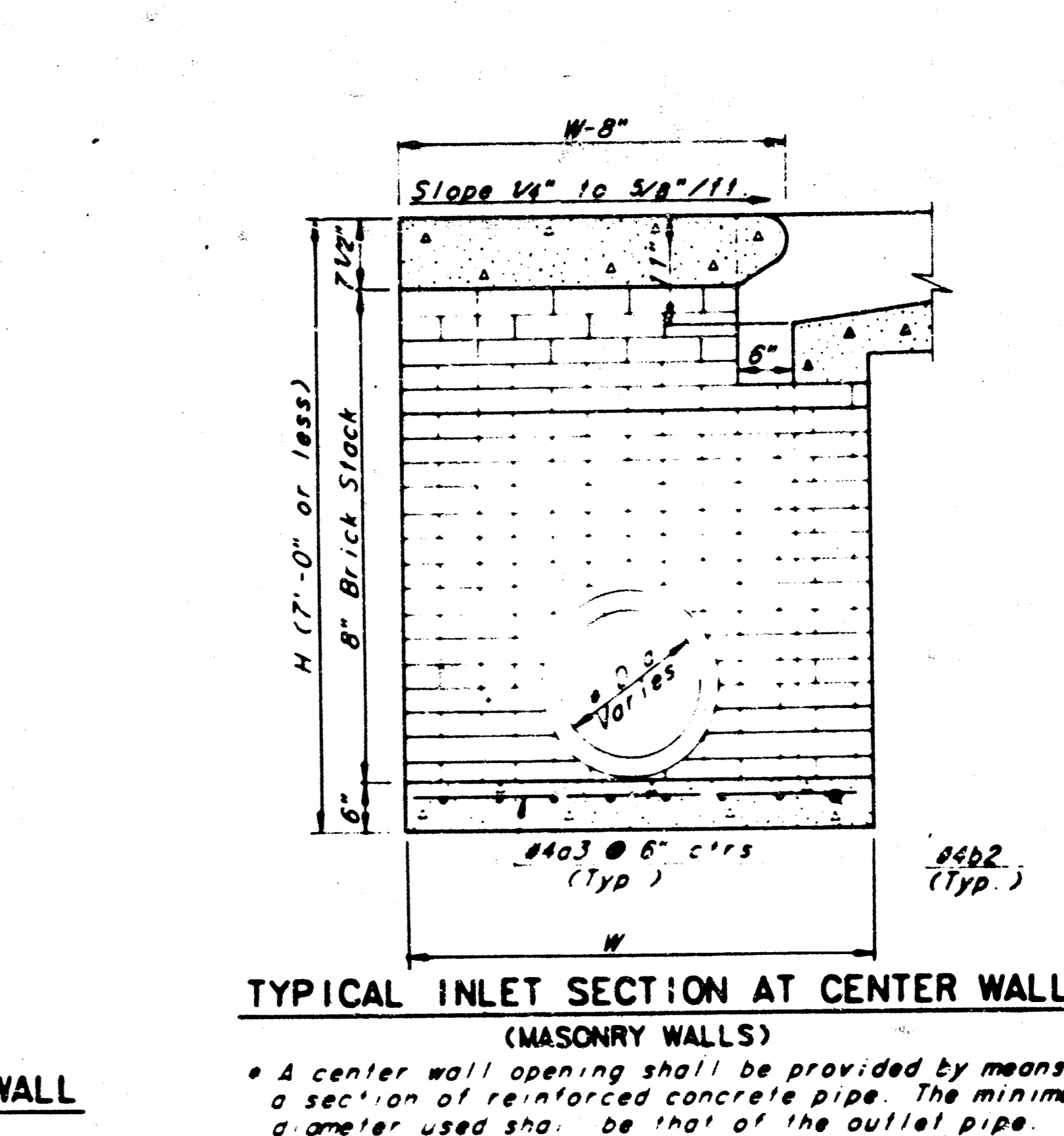
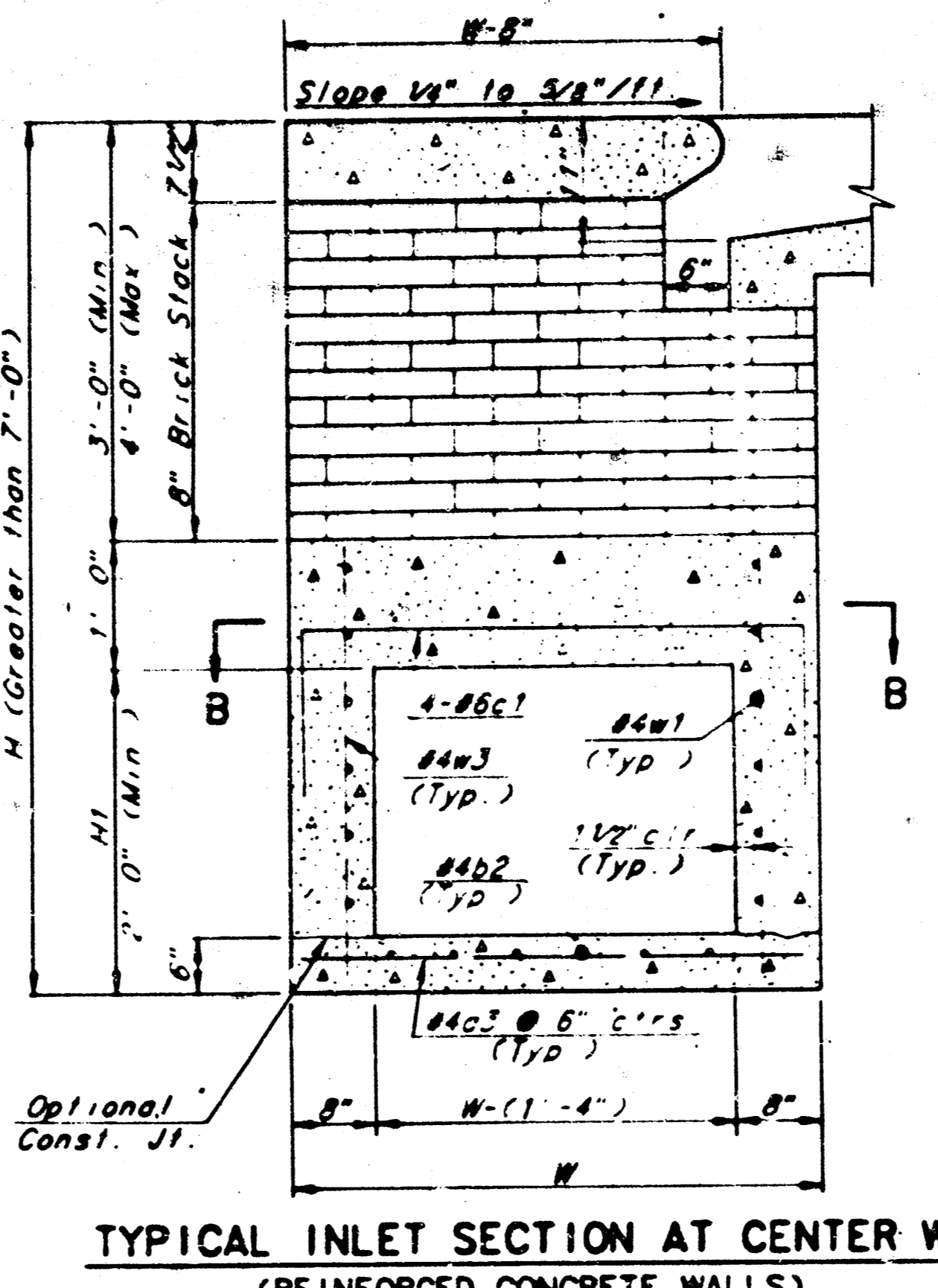
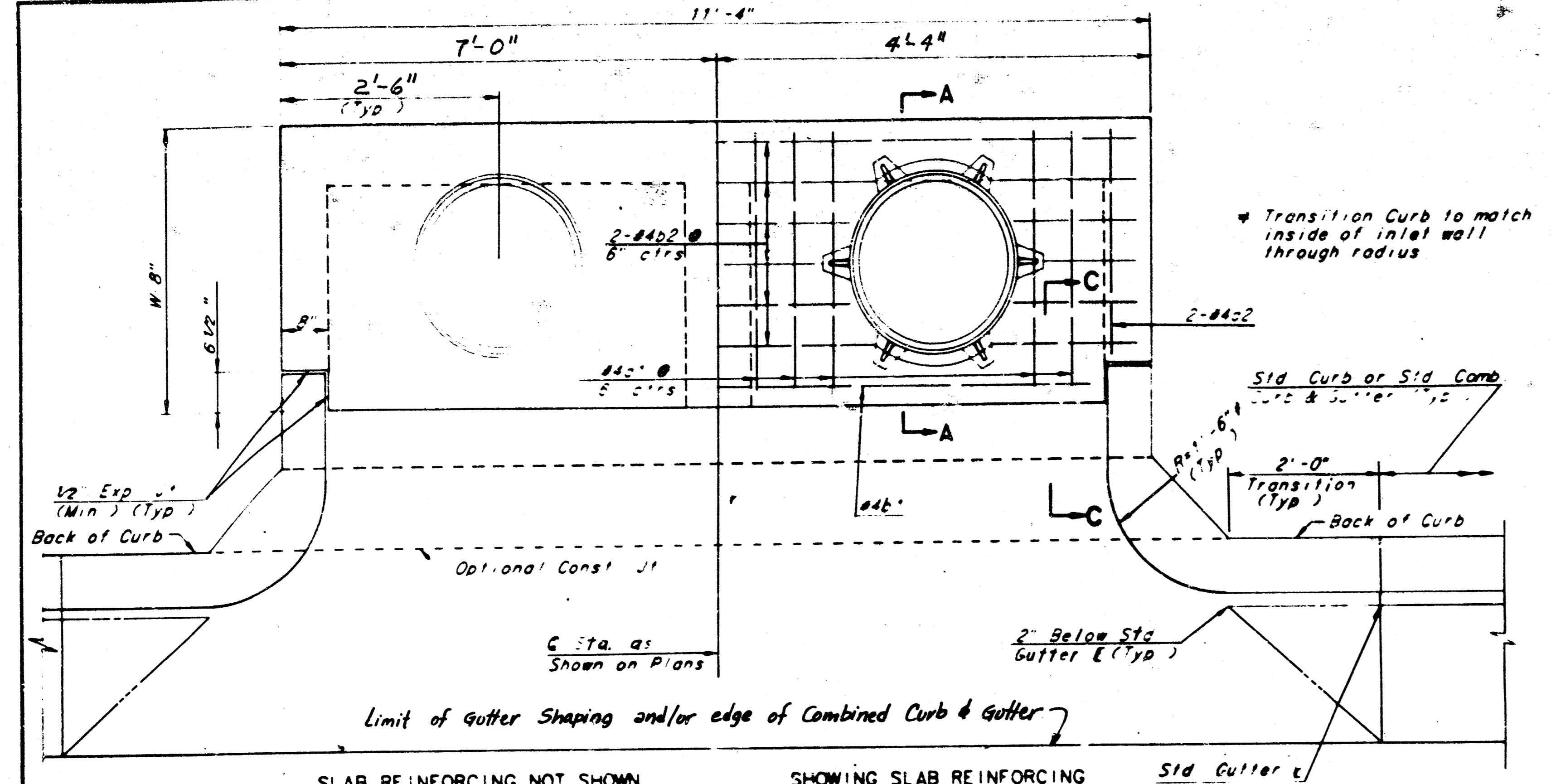


SECTION B-B

REVISED 12-21-1984 Proj. No. 448-76-285-80001-000-000-161

DETAIL STANDARD TYPE IA CURB INLET
 CITY OF WICHITA, KANSAS
 INLET OPENING = 6" x 5' 0"
 (L=6'-4")
 JUNE 1984

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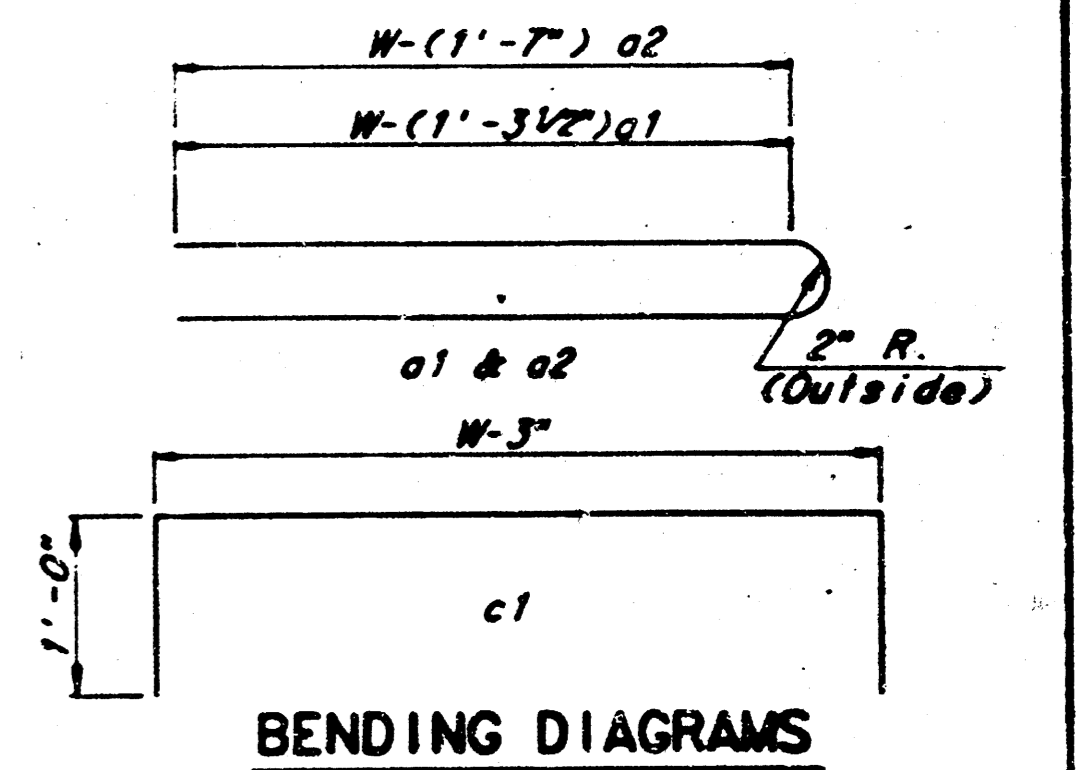


SLAB AND FLOOR REINFORCING											
MARK	SIZE	W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"	
		NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
a1	#4	13	6'-1/4"	13	8'-7/16"	13	10'-7/16"	13	12'-7/16"	13	14'-7/16"
a2	#4	2	6'-0"	2	8'-0"	2	10'-0"	2	12'-0"	2	14'-0"
a3	#4	20	1'-1"	20	5'-1"	20	8'-1"	20	7'-1"	20	8'-1"
b1	#4	1	9'-8"	1	9'-8"	1	9'-8"	1	9'-8"	1	9'-8"
b2	#4	16	11'-1"	24	11'-1"	32	11'-1"	40	11'-1"	48	11'-1"

WALL REINFORCING											
MARK	SIZE	W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"	
		NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
c1	#6	4	6'-1"	4	7'-1"	4	8'-1"	4	9'-1"	4	10'-1"
w1	#4	1	11'-1"	1	11'-1"	1	11'-1"	1	11'-1"	1	11'-1"
w2	#4	1	8'-1"	1	8'-1"	1	8'-1"	1	8'-1"	1	8'-1"
w3	#4	2	5"	2	5"	2	5"	2	5"	2	5"

* Field bend or cut Reinforcing as required for clearance
 ① (H1-6") x 4 (H1-8") Rounded down to nearest 0.5'
 ② 40-4(H-16") ③ H1-8"

- GENERAL NOTES**
- THE CONTRACTOR SHALL BE REQUIRED TO CONSTRUCT 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN W=4'-4" OR LESS AND H=7'-0" OR LESS. WHEN W IS GREATER THAN 6'-4" AND H IS LESS THAN 7'-0" THE OUTSIDE INLET WALLS BELOW THE BRICK STACK SHALL BE REINFORCED CONCRETE CONSTRUCTION AND THE CENTER WALL SHALL BE OF MASONRY CONSTRUCTION AS SHOWN FOR THE MASONRY WALL OPTION.
 - INLET INVERT SHALL BE SHAPED WITH 8 BAG SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.
 - CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST CONCRETE USED FOR INLET CONSTRUCTION SHALL BE CONCRETE PAVEMENT MIX.
 - INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB BARS IN INLET TOP TO BE FIELD BENT OR CUT TO CLEAR MANHOLE RING.
 - THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.



SPECIAL TYPE 1A CURB INLET
 INLET OPENING = 8" x 10' - 0"

WICHITA, KANSAS

Drawn by: BER, KJS, AMB
 Checked by: AMB
 Date: Nov., 1984 Job No. 87500-1

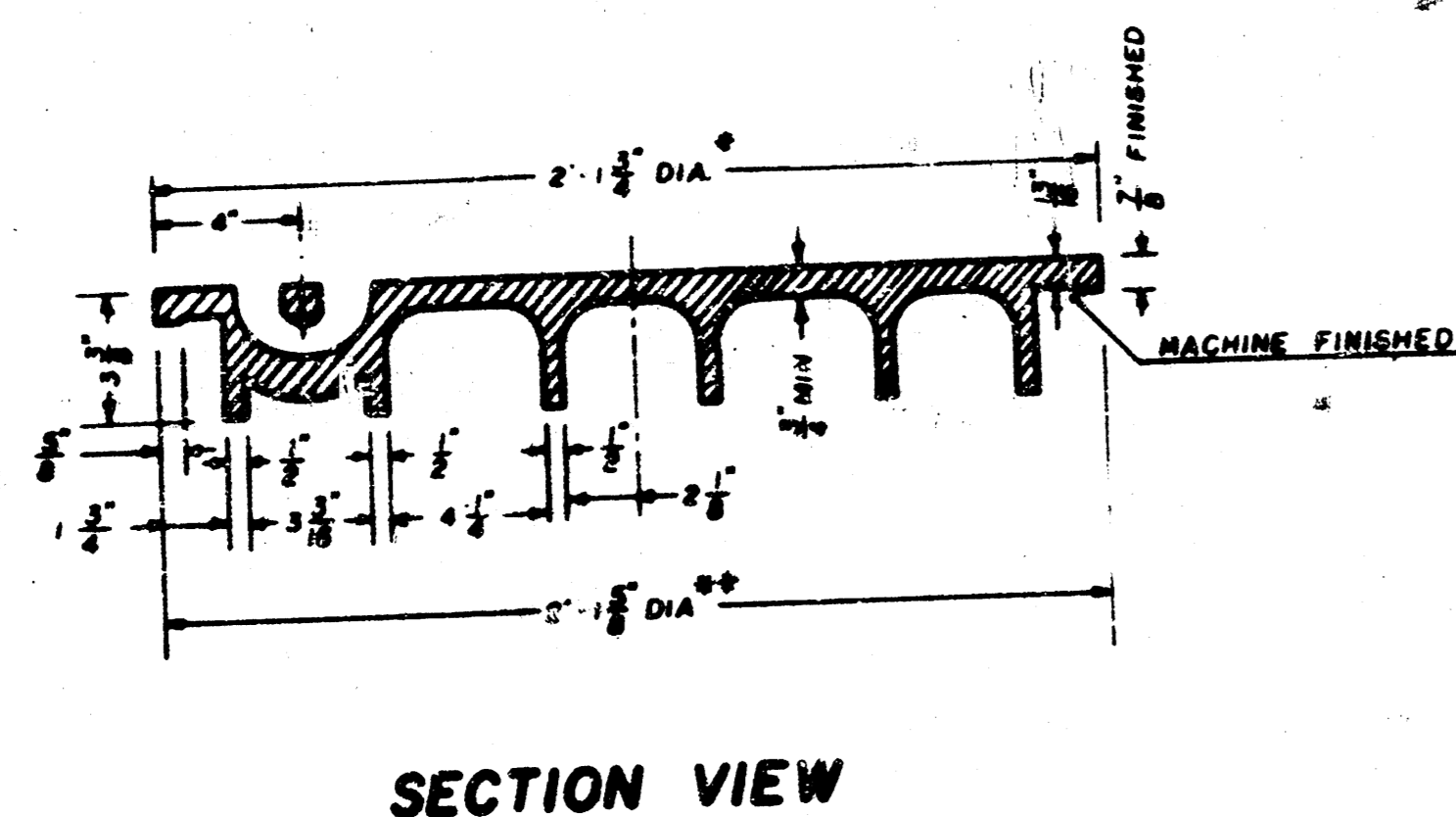
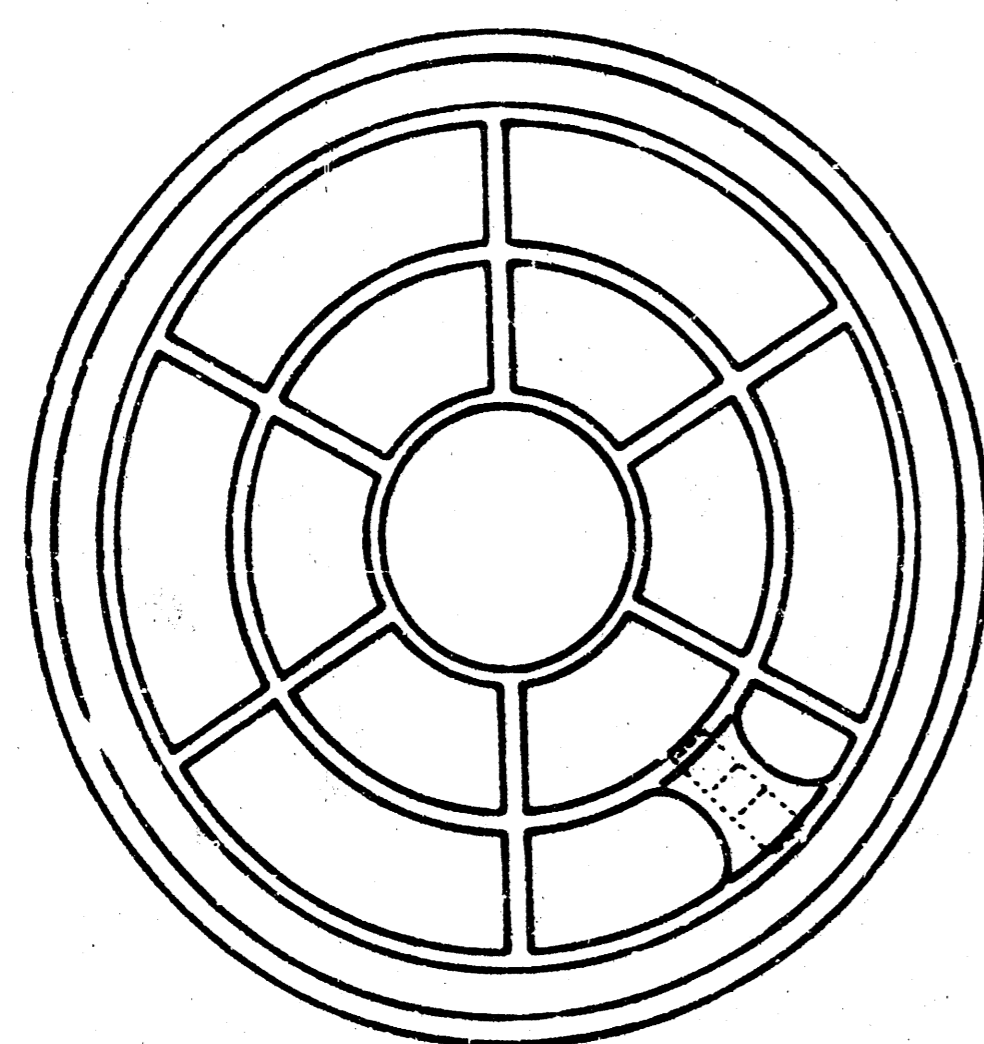
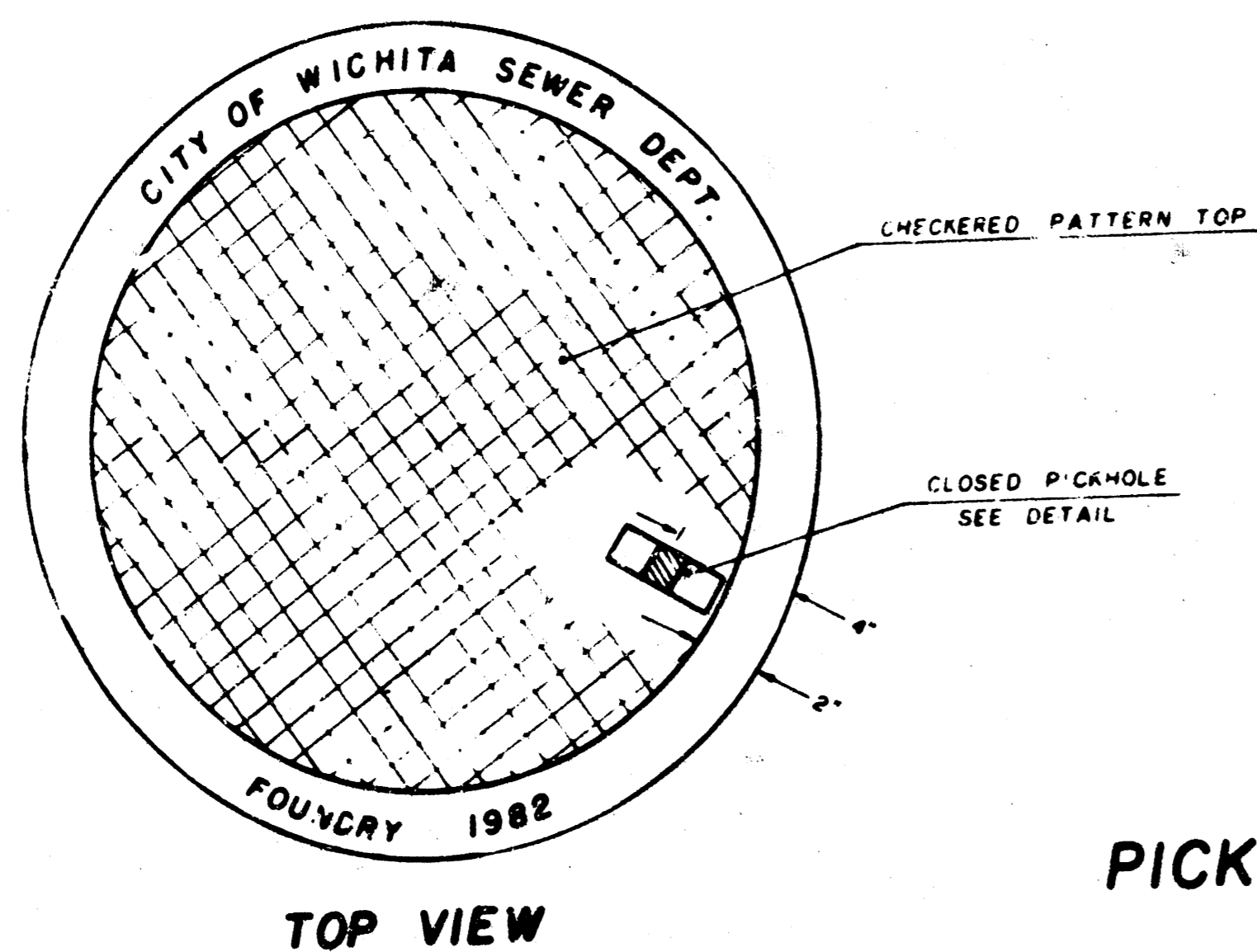
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MANHOLE FRAME AND COVER DETAIL

ADOPTED AS STANDARD DESIGN
BY

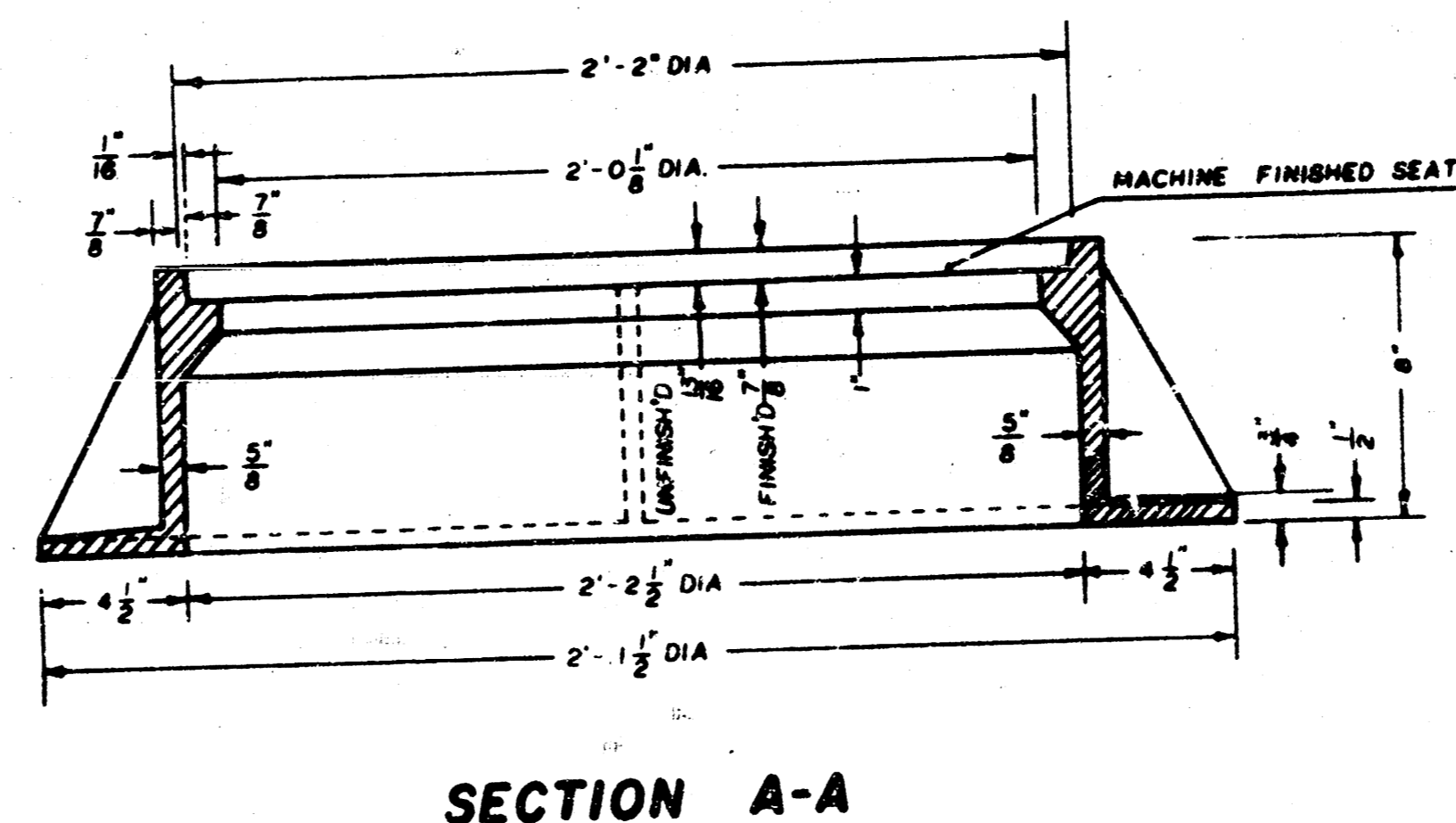
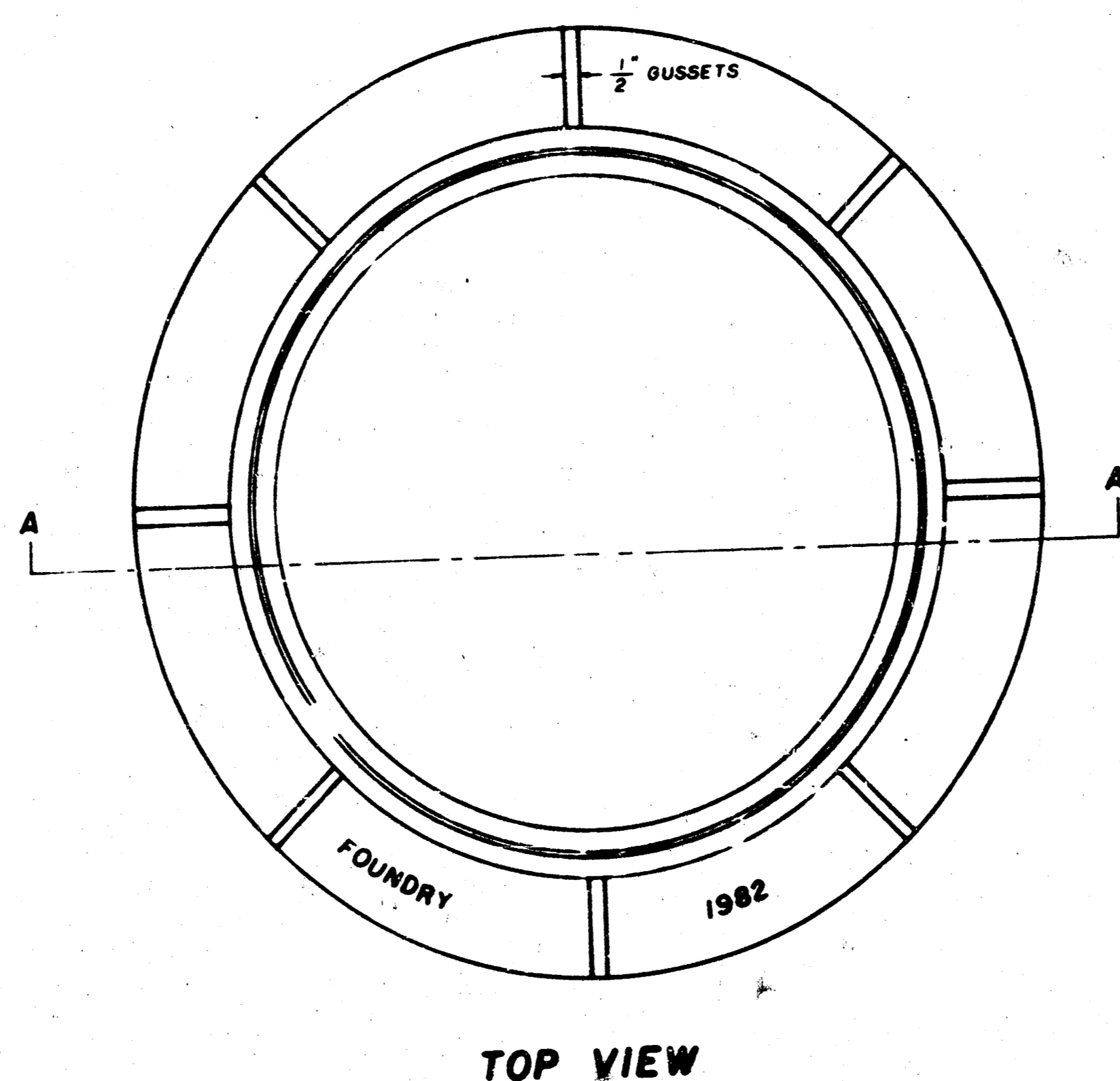
City of Wichita, Kansas

MANHOLE COVER
Weight: 180 Lbs.

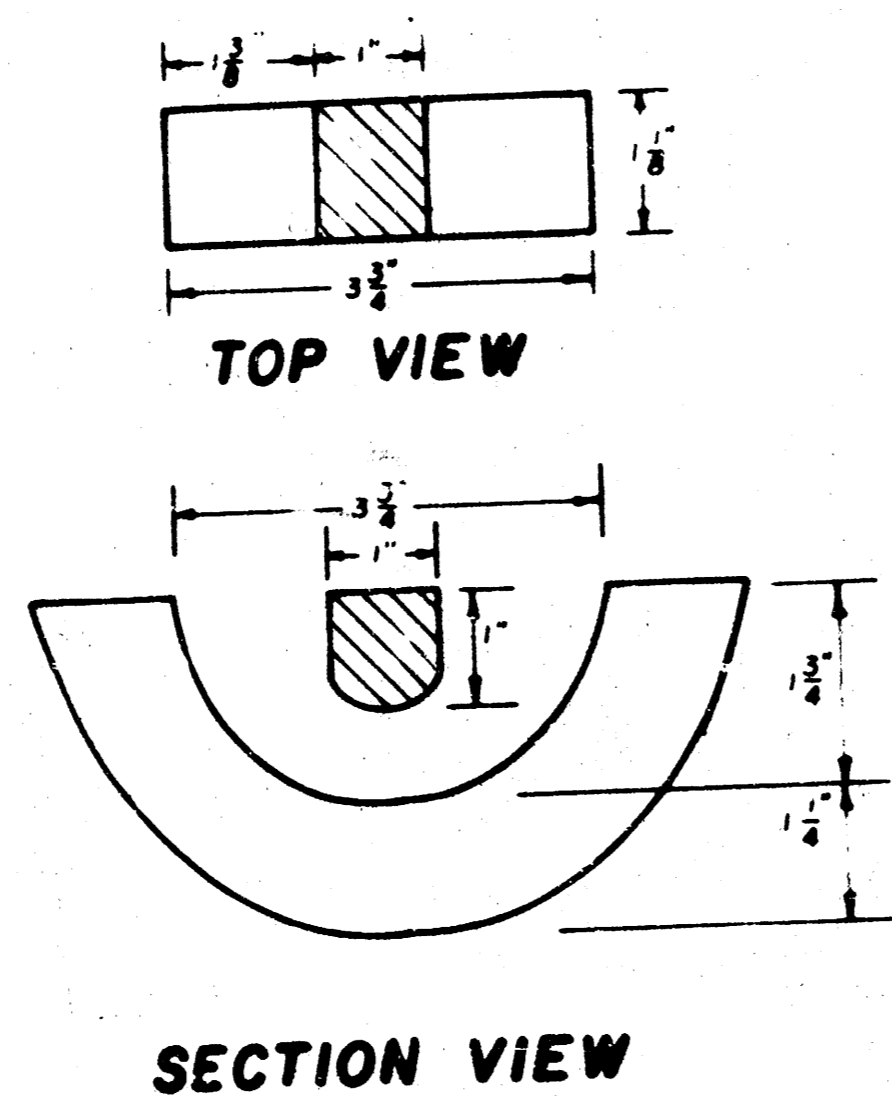


* OUTSIDE DIA TOP OF COVER
** OUTSIDE DIA BOTTOM OF COVER

MANHOLE FRAME
Weight: 240 Lbs.



PICKHOLE DETAIL



GENERAL NOTES

- MANHOLE CASTINGS SHALL BE MANUFACTURED USING GOOD QUALITY GRAY IRON CONFORMING TO CLASS 30 OF A.S.T.M. DESIGNATION A-48. DIMENSIONS AND WEIGHTS SHOWN ON THE DETAILED DRAWINGS SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS AND ANY DEVIATIONS SHALL BE OF UNIFORM QUALITY, FREE FROM BLOWHOLES, POROSITY, HARD SPOTS, SHRINKAGE DISTORTIONS OR OTHER DEFECTS.
- MANHOLE CASTINGS SHALL BE COATED WITH AN ASPHALT PAINT RESULTING IN A SMOOTH, TOUGH AND TENACIOUS COATING WHICH IS NOT BRITTLE OR TACKY.
- MANHOLE CASTINGS SHALL BE MANUFACTURED SUCH THAT A COVER MANUFACTURED BY ANY ONE FOUNDRY WILL FIT INTERCHANGEABLY INTO A FRAME MANUFACTURED BY ANOTHER FOUNDRY AND STILL MEET ALLOWABLE CLEARANCES AND NON-ROCKING REQUIREMENTS. THIS WILL REQUIRE MANUFACTURING OF THE MATCHING FACES ON THE COVER AND THE FRAME TO CLOSE TOLERANCES.
- THE OUTSIDE CIRCUMFERENCE OF THE VERTICAL FACE OF THE COVER AND THE INSIDE CIRCUMFERENCE OF THE VERTICAL FACE IN THE FRAME RECESS SHALL BE MANUFACTURED TO TOLERANCES SUCH THAT THE CLEARANCE BETWEEN THE COVER AND FRAME WILL NOT EXCEED 1/8" AT ANY POINT AROUND THE CIRCUMFERENCE OF THE COVER. THE SEATING SURFACES BETWEEN THE COVER AND FRAME SHALL BE MACHINED SUCH THAT THESE SURFACES SHALL MAKE FULL CONTACT FOR THEIR FULL CIRCUMFERENCE TO PRECLUDE THE COVER FROM ROCKING IN THE FRAME.
- THE MANHOLE FRAME AND COVER SHALL BE MARKED WITH LETTERING INDICATING THE NAME OF THE MANUFACTURER AND THE YEAR WHEN THE COVER OR FRAME WAS CAST. THE COVER SHALL BE FURTHER IDENTIFIED WITH REGARDS TO OWNERSHIP USING LETTERS AT LEAST 1" IN HEIGHT. THIS IDENTIFICATION SHALL BE "CITY OF WICHITA SEWER DEPARTMENT". THE WORD DEPARTMENT MAY BE ABBREVIATED. THE TEXTURE OF THE TOP SURFACE OF THE COVER SHALL BE MANUFACTURED IN A CHECKERED PATTERN DESIGN AS INDICATED ON THE DRAWINGS. SMOOTH BLOCKOUTS SHALL BE UTILIZED TO HIGHLIGHT THE LETTERING ON THE COVER SURFACE. THE TOTAL AREA OF SMOOTH SURFACE BLOCKOUT SHALL NOT EXCEED THE AREA AS INDICATED ON THE DRAWING. POSITIONING OF SMOOTH BLOCKOUTS AND LETTERING MAY VARY FROM THAT SHOWN ON THE DETAILED DRAWING.

10 3 3 8

Project No. 468-76-245-80001-000-000-161

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