

STREET IMPROVEMENTS FOR HUNTCREST SECOND ADDITION

COUNTRYSIDE CIRCLE From the E.L. of Cranbrook to and including Cul-de-Sac

PROJECT NUMBER

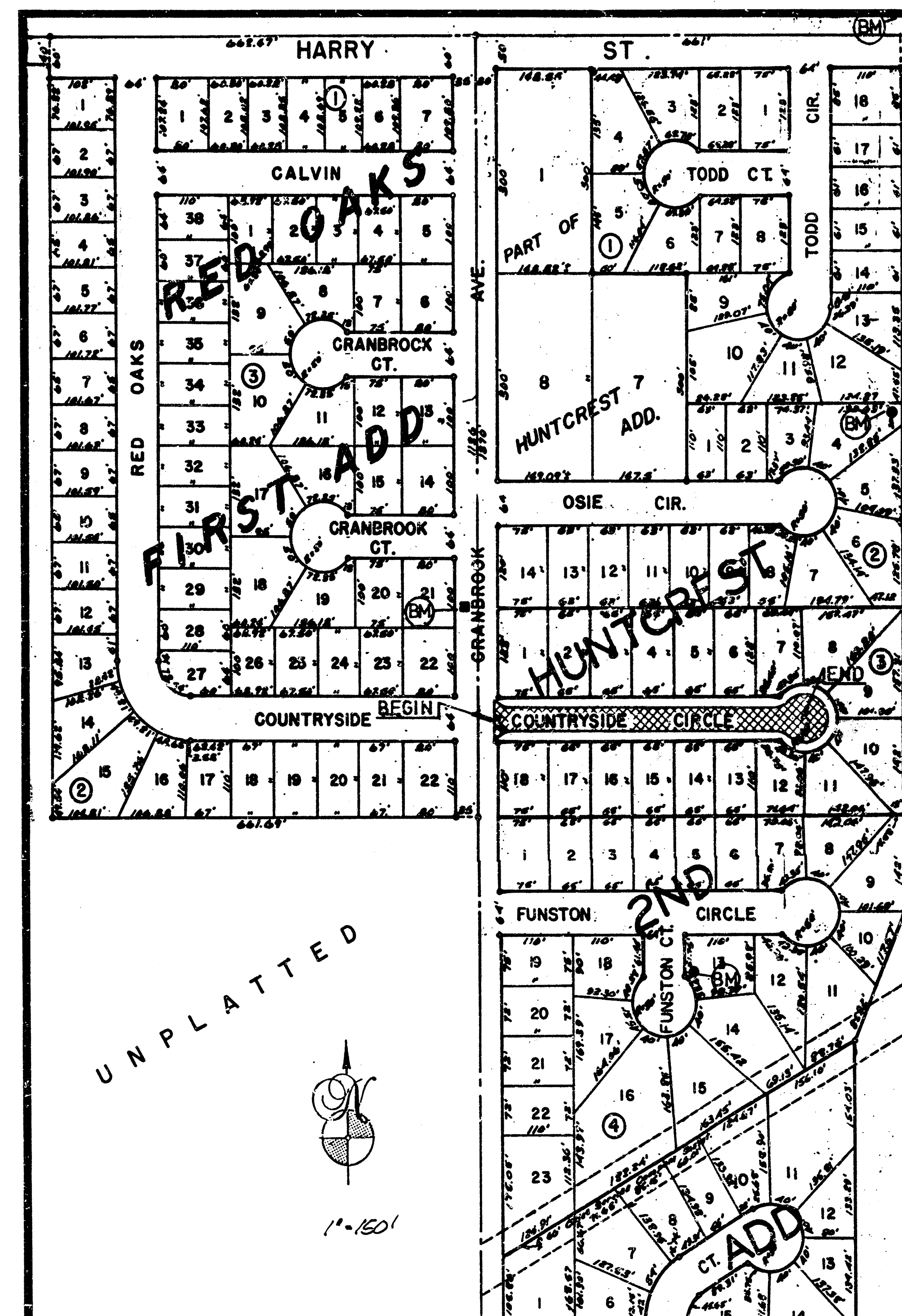
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GENERAL NOTES

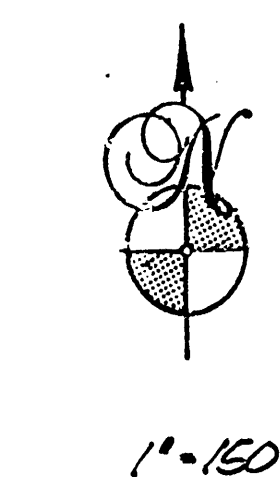
- Utility service lines, poles, valve boxes, meters, and etcetera are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
- Subble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations that, in the opinion of the Engineer, will leave an unsightly appearance will not be approved.
- No more than 5 drives 18 feet in width, or equivalent combinations thereof, are to be constructed with this project.
- Limits of earthwork shall match existing ground elevations at the right-of-way line unless otherwise noted on the plans with a new finished grade elevation. When a new finished grade elevation is shown, the earthwork shall extend one foot beyond the right-of-way line and then sloped up or down using permissible slopes to match the existing ground surface.
- The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state laws.
- Trees and shrubs in public right-of-way which are in direct conflict with the proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs not in conflict with proposed construction shall be saved and protected from damage. The cost of all such removal shall be included in the lump sum price bid for right-of-way clearing.
- All water main relocation included in this project shall be constructed in accordance with City of Wichita Standard Specifications for Water Main Installations no. 14533.
- The Water Department shall field locate water valves one time during construction when requested by the Contractor. It shall be the Contractor's responsibility to preserve such field locations during the construction process. Water valves, water valve boxes or fire hydrants damaged during construction shall be repaired by the Contractor at his own expense.

BENCHMARKS

- City disc 1/2 mi. E. Webb Road @ 37.5' N, E. Harry St. and 1.0' W. of NE Cor. NW 1/4, Sec. 33, T. 27 S., R. 2 E.
Elev. = 1343.16 USGS / 1156.53 City datum.
- 1/2" bar in conc. N.W. Cor. Lot 4, Blk 2 Huntcrest Second Addn.
Elev. = 157.47 City datum
- 10' cut in To. N.W. Cranbrook 104(1) S. 6(S) Cranbrook Ct. (Lot 21, Blk 3, Red Oaks 1st Addn)
Elev. = 171.60 City datum
- 1/2" bar in conc. 32.0(1) E. and 23.6(1) S. E. intersection Funston Cir & Funston Ct. (N.W. Lot 3, Block 4, Huntcrest Second Addn)
Elev. = 164.25 City datum



UN PLATTED



IMPROVEMENT DISTRICT

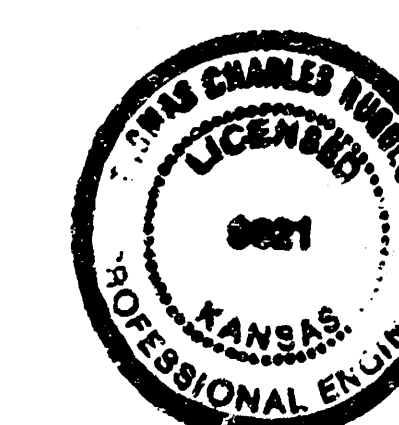
CITY of WICHITA, KANSAS

MICHAEL E. LINDEBAK
CITY ENGINEER

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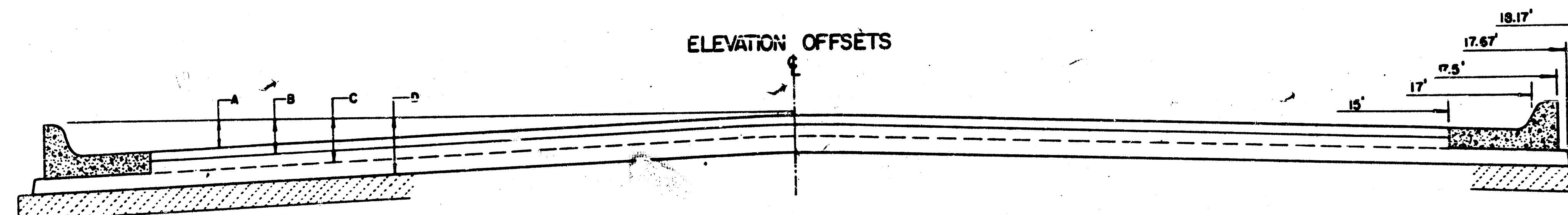
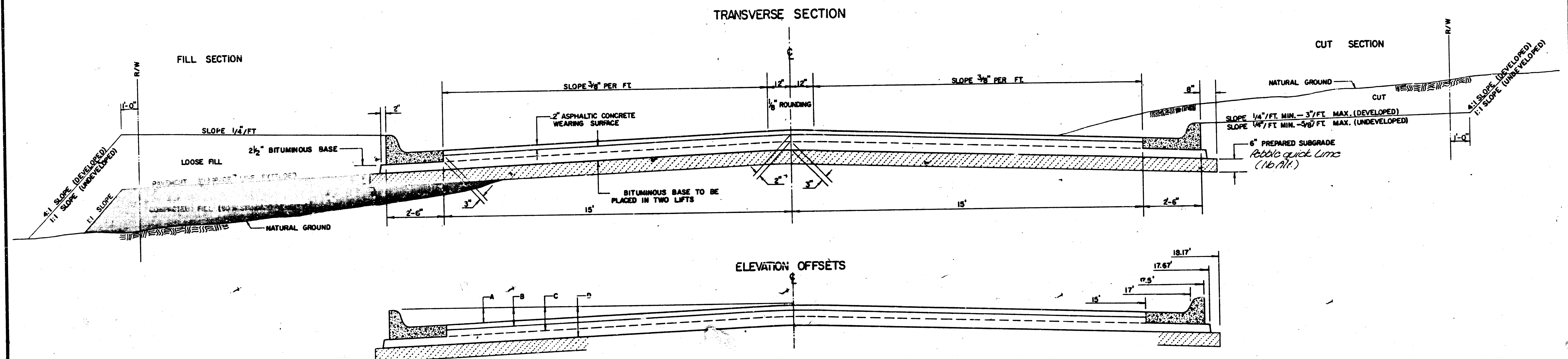
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TITLE SHEET

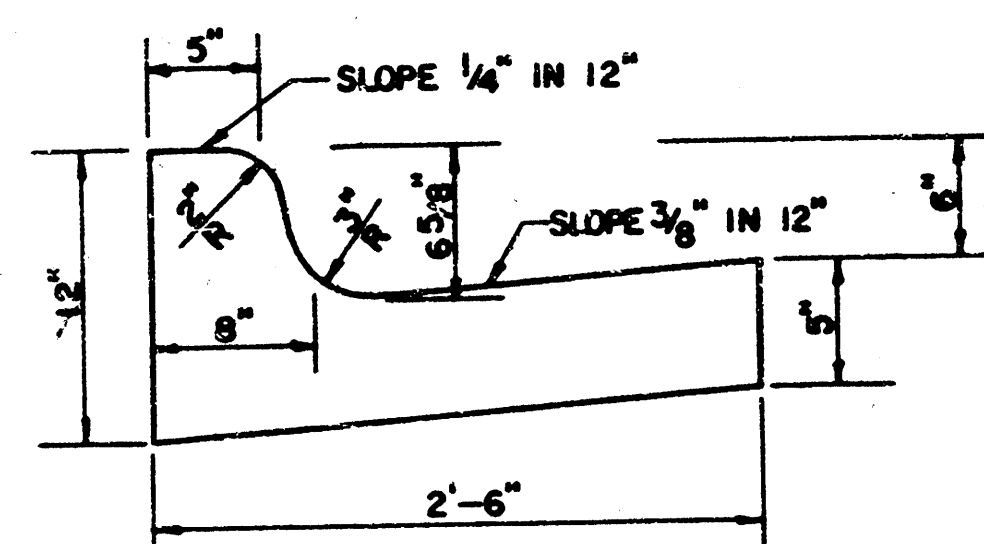
BAUGHMAN COMPANY, P.A.				Sheet: 1
SURVEYING & ENGINEERING				of: 7
310203-7271 • 315 ELLIS • WICHITA, KANSAS 67211				
Design: [Signature]	Drawn: [Signature]	Approved: [Signature]	Date: 5 Feb 00	Scale: as noted

TYPICAL 35' PAVEMENT DETAILS

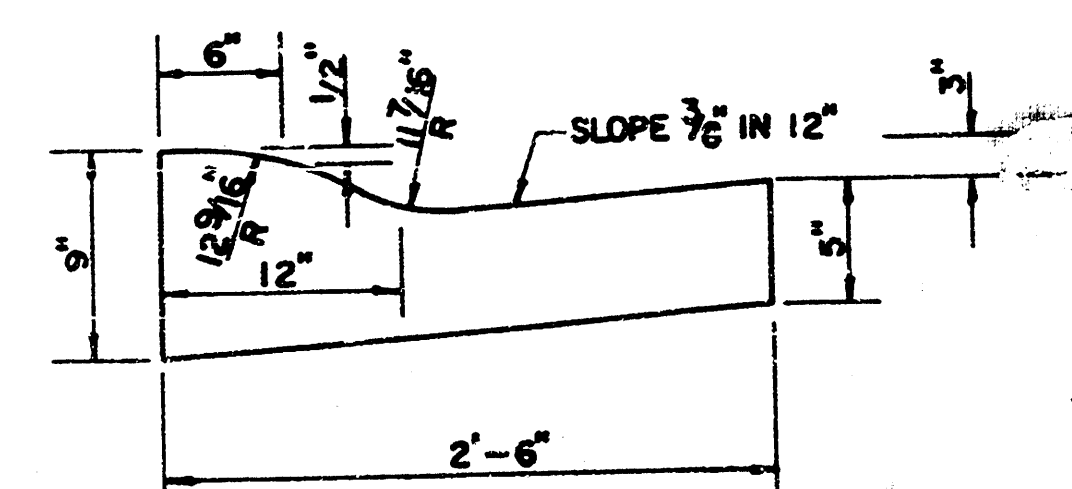


	DISTANCE FROM CENTERLINE (LT. & RT.)												
	0'	2'	4'	6'	8.5'	10'	12'	14'	15'	17'	17.5'	17.67'	18.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.04	0.08	0.14	0.21	0.29	0.33	0.39	0.46	0.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.21	0.25	0.31	0.37	0.45	0.50	0.55	0.62	0.65	—	—	—	—
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	0.37	0.43	0.50	0.57	0.67	0.72	0.79	0.87	0.90	0.98	1.00	1.00	—
D: TOP OF CURBS TO TOP OF SUBGRADE	0.62	0.67	0.74	0.81	0.90	0.95	1.02	1.08	1.12	1.19	1.21	1.21	1.23

COMBINED CURB & GUTTER



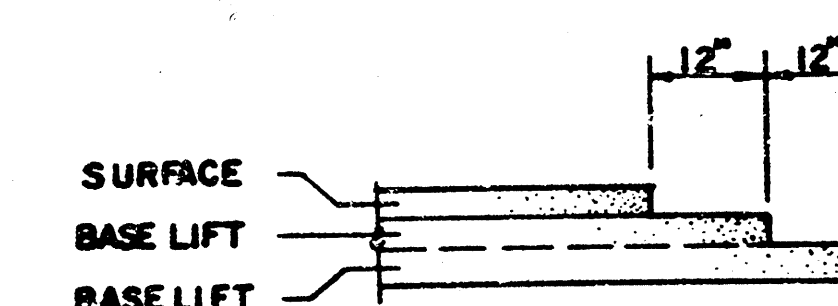
ROLL TYPE COMBINED CURB & GUTTER



GENERAL NOTES

- 1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).
- 2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 2 1/2" BITUMINOUS BASE.
- 3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.
- 4) BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.
- 5) CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.
- 6) CONTRACTOR TO BID ONLY ONE SUBGRADE TREATMENT ALTERNATE WHEN ALTERNATES ARE PROVIDED IN THE PROPOSAL AND CONTRACT. THE ALTERNATE CHOSEN BY THE SUCCESSFUL BIDDER SHALL BE USED IN CONSTRUCTING THIS PROJECT.

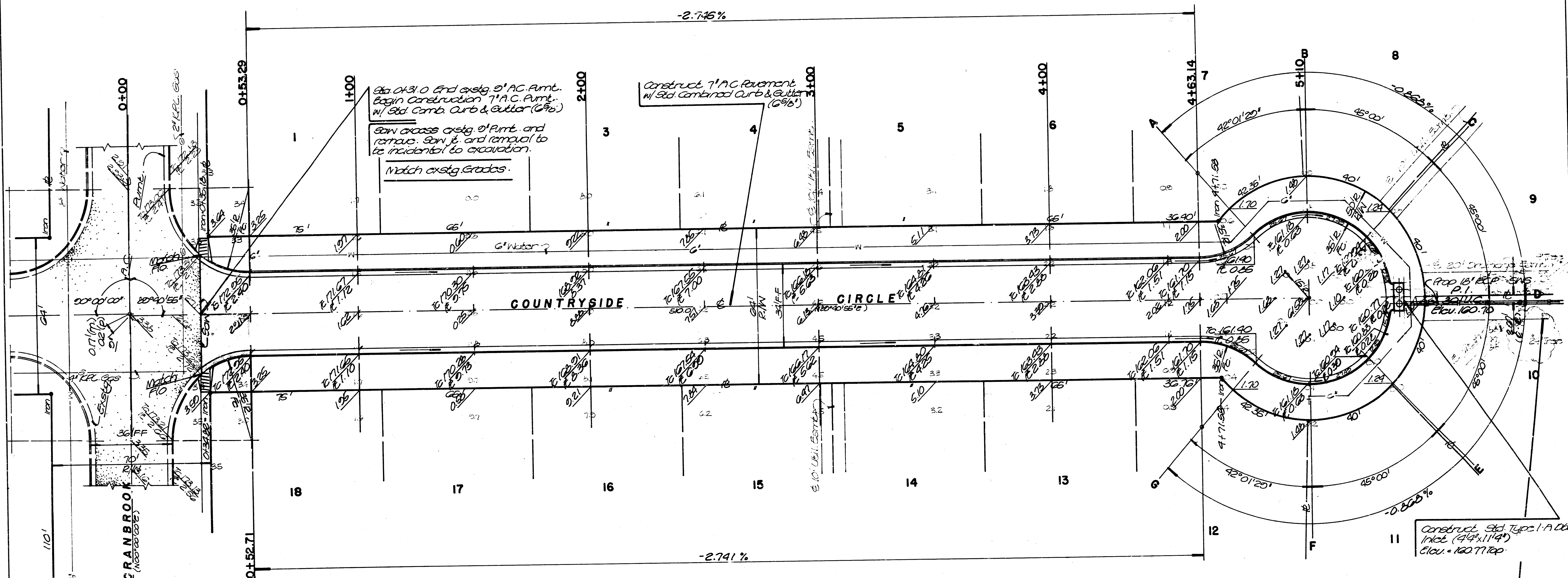
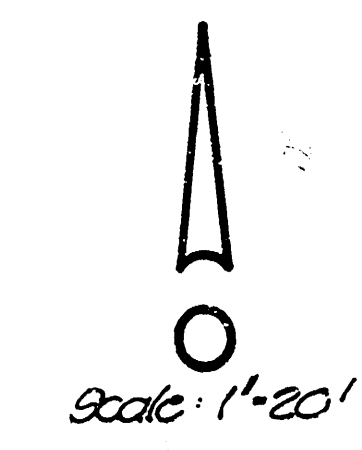
TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).

7" RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT w/ 5" BITUMINOUS BASE				2/7
BAUGHMAN COMPANY, P.A. SURVEYING & ENGINEERING 316/262-7271 • 316 ELLIS • WICHITA, KANSAS 67215				2
Design: C of W	Drawn: C of W	Date: none	Scale: none	7
Project Number: 472-76-245-81654-000-000-001				

HUNTCREST SECOND ADDITION



* NOTE
Sidewalk & Wheelchair ramp
construction E.S. Cranbrook
by Others.

* NOTE
Clearing of Right of Way & 20' Drng.
Easement to be paid as lump sum
bid item. (See Note 4, Sht. 1.)

• INTERSECTION QUANTITIES •		
- SY	Concrete Pavement	
- SY	Asphaltic Conc. Pavement (2" Bilobular Base)	
<u>14.1</u>	SY	2 1/2" Bilobular Base
<u>47.6</u>	LF	Combined Curb & Gutter
-	LF	Monolithic Edge Curb
-	SF	4" Wheelchair Ramp
-	SF	4" Walk
-	CY	Excavation
-	CY	Compacted Fill
-	Unb.	Reinforcing Steel
<u>101.4</u>	SY	Manipulation
-	Tons	Lime or Cement
- SY	Valley Gutter	Concrete & Asphaltic Conc. Base

• EARTHWORK QUANTITIES •

Excavation	156 cy	Compacted Fill	96 cy
10% 16		10% 10	
Total	172 cy	Total	106 cy
Subgrade Manipulation	2257 sq.		
Borrow Material	1057 cy		

COUNTRYSIDE CIRCLE: From the
E.L. Cranbrook to, and including
C.O. de Soc.

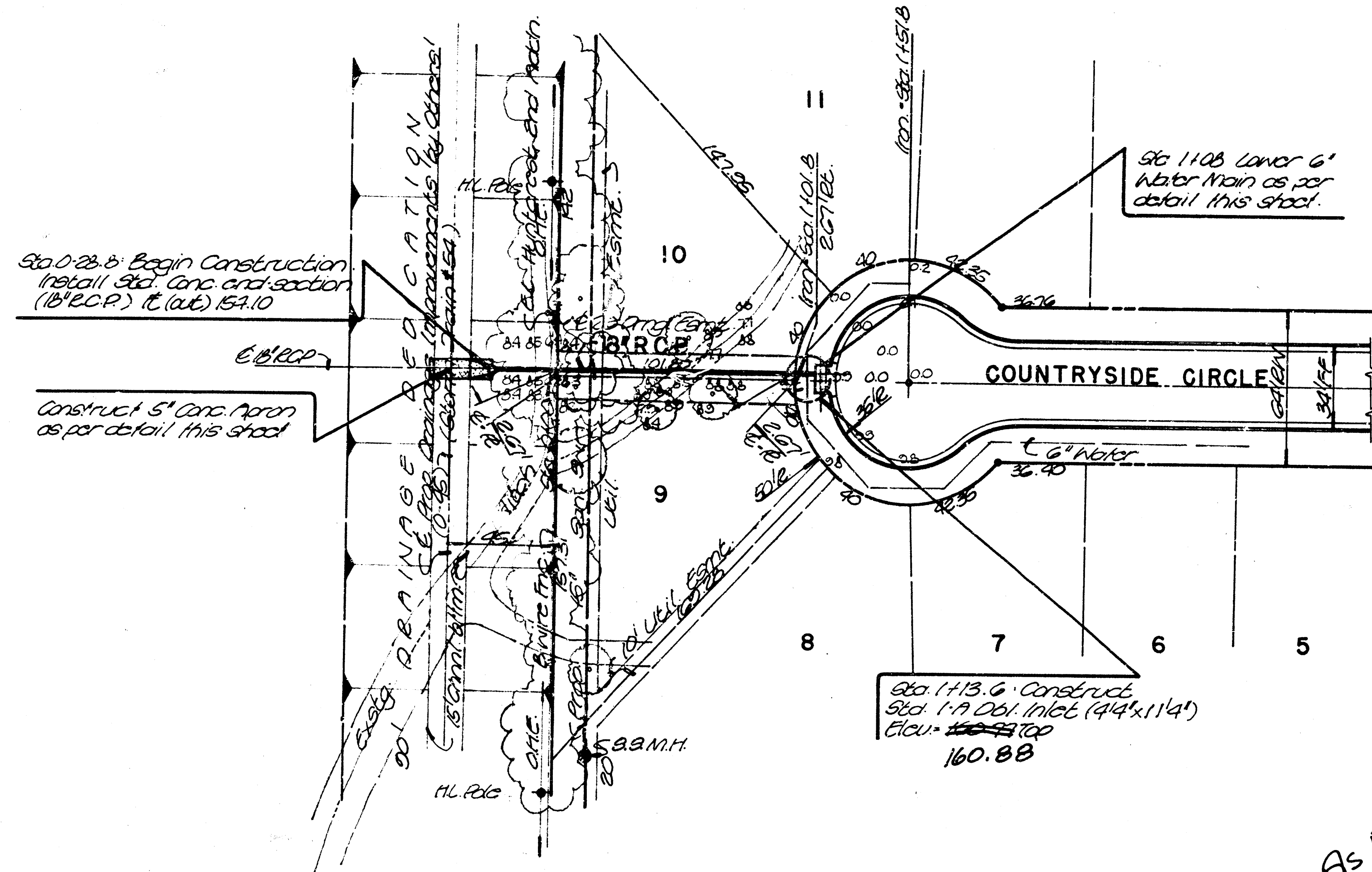
BAUGHMAN COMPANY, P.A.
SURVEYING & ENGINEERING
21200-7271 • 21200-7272 • WICHITA, KANSAS 67211

Project Number:
472-16-245-B1664-000-000-001

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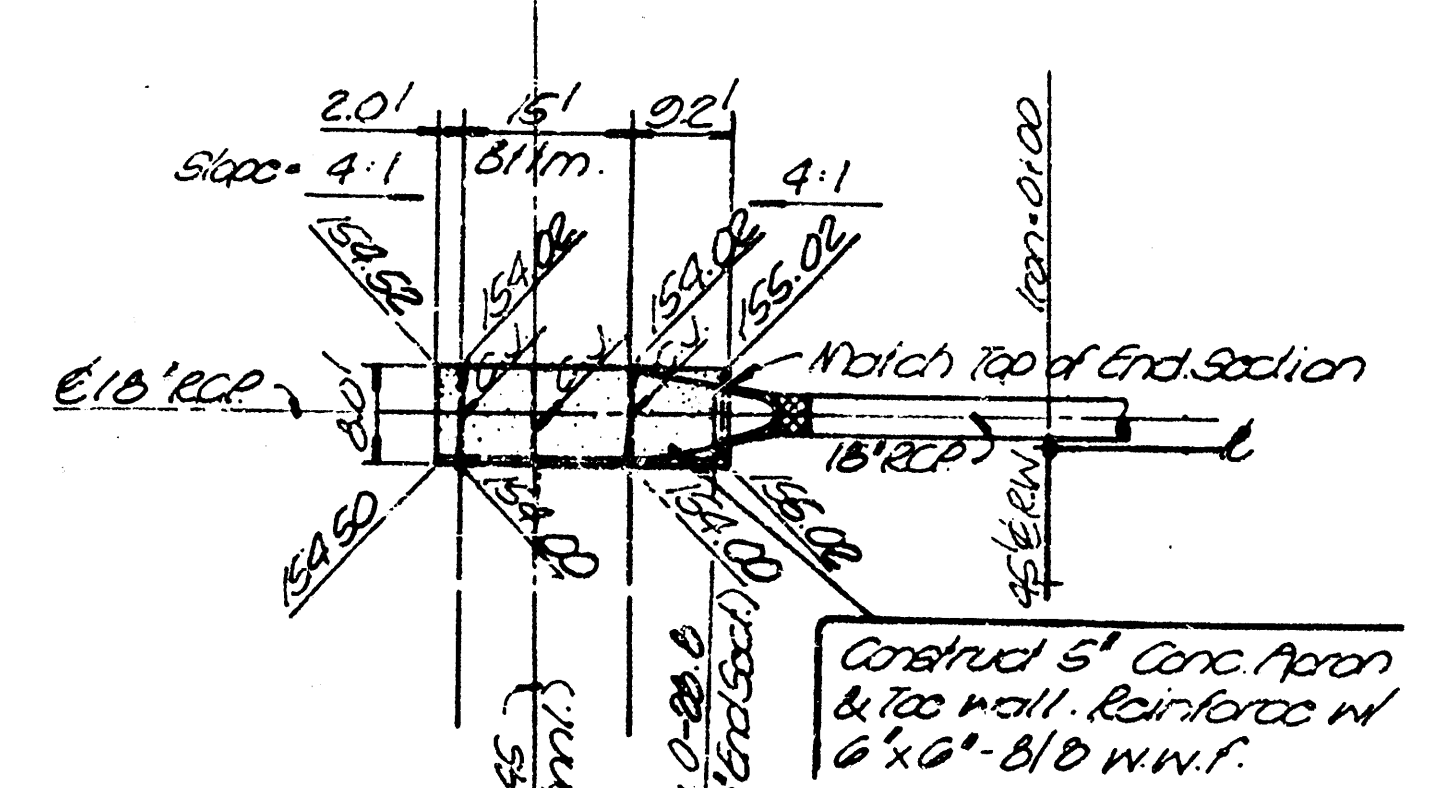
PLAN	DATE	BY	CHKD
REVISION			
NOTE BOOK			
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PROFILE	DATE	BY	CHKD
REVISION			
NOTE BOOK			
NO.			

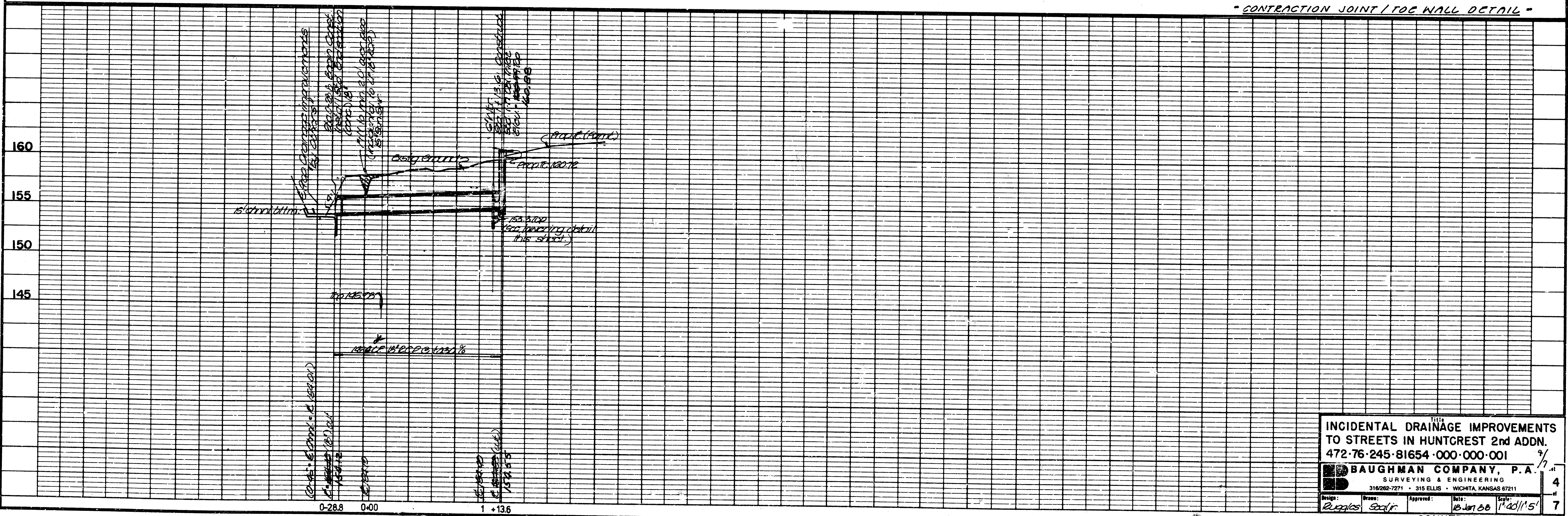
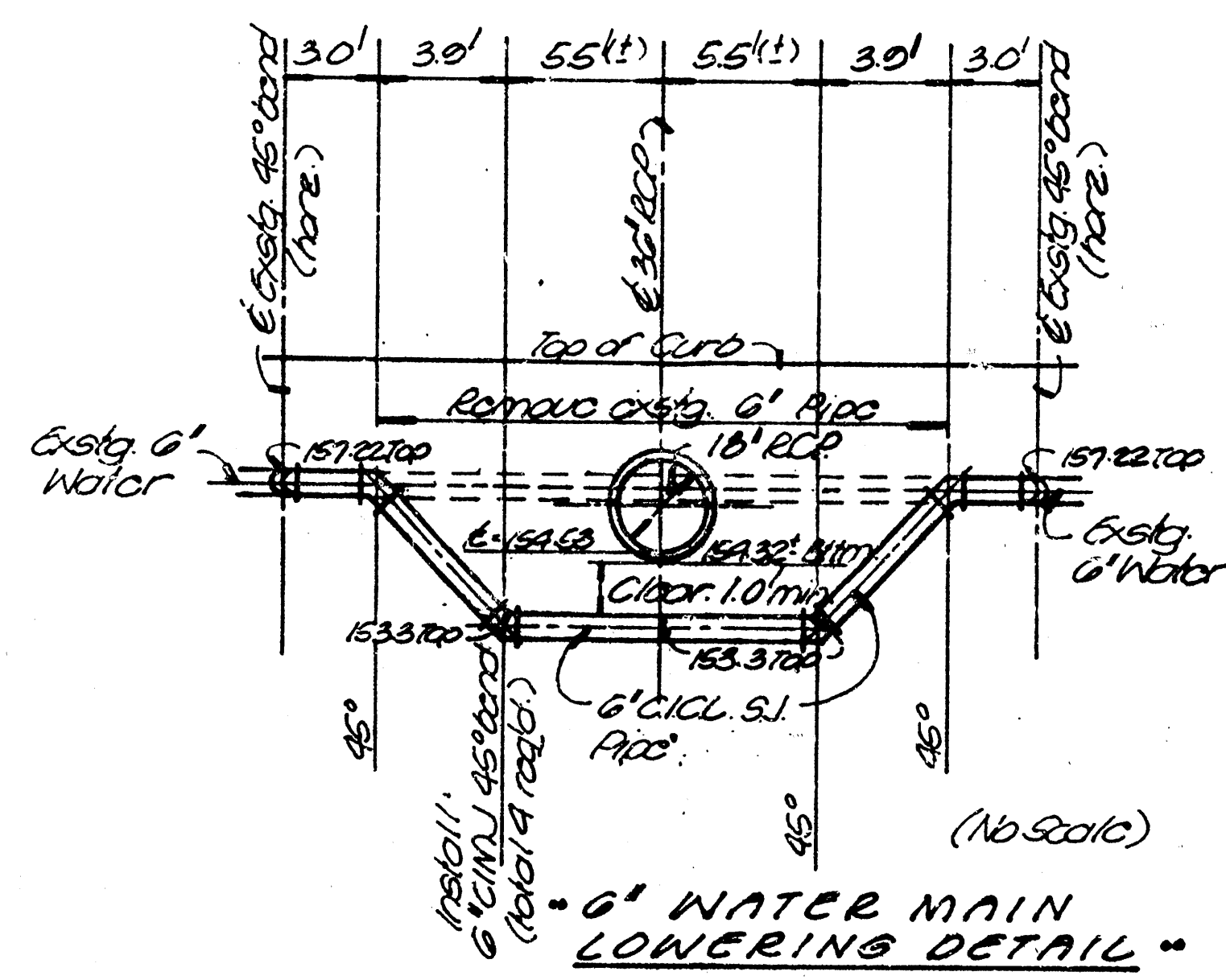
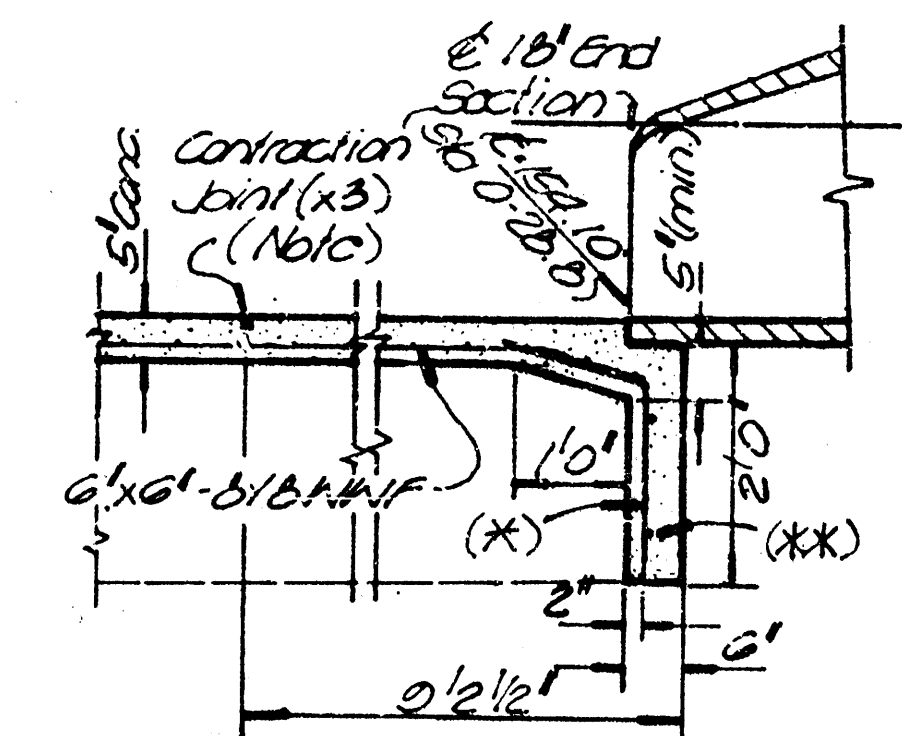


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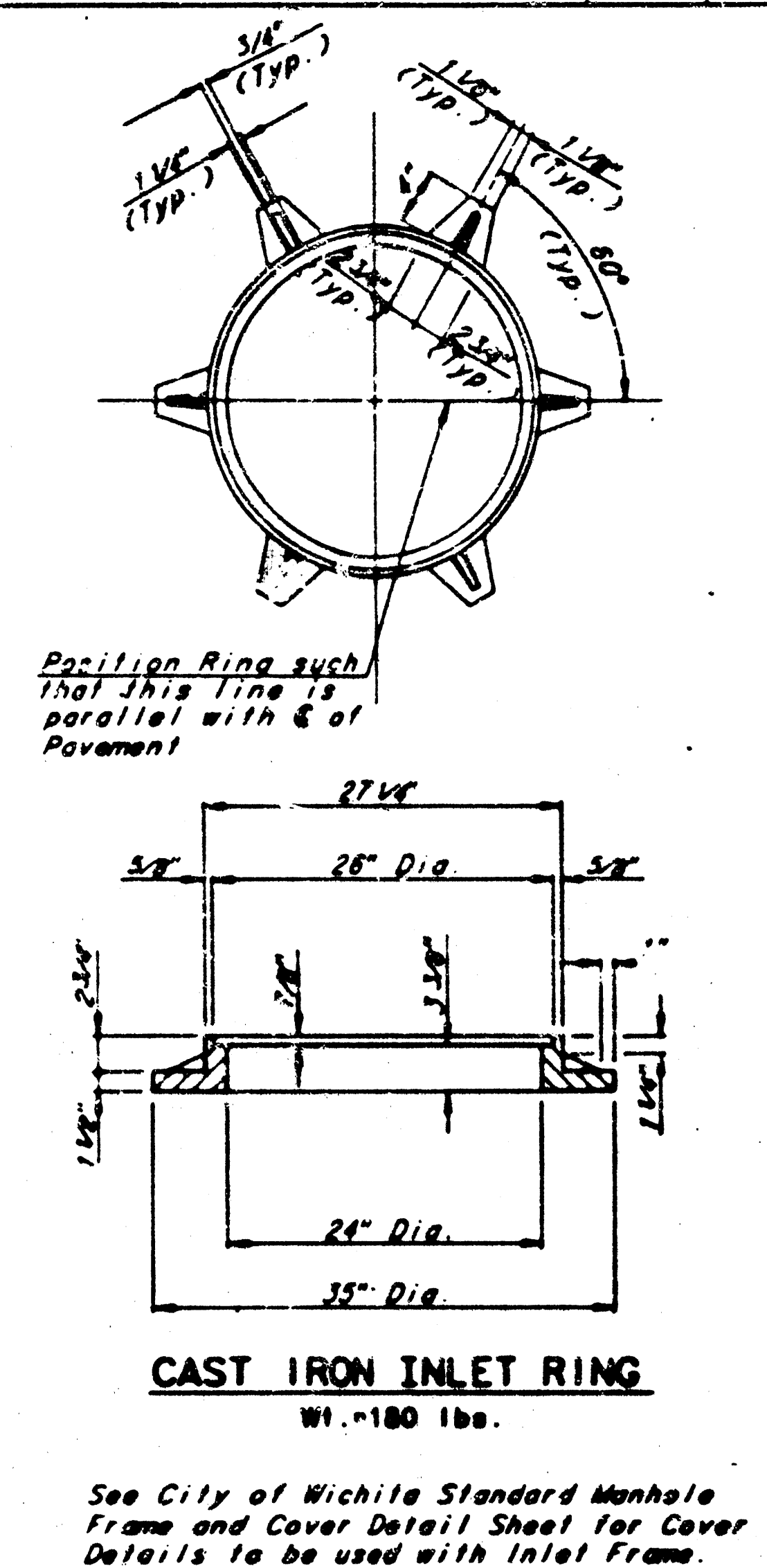
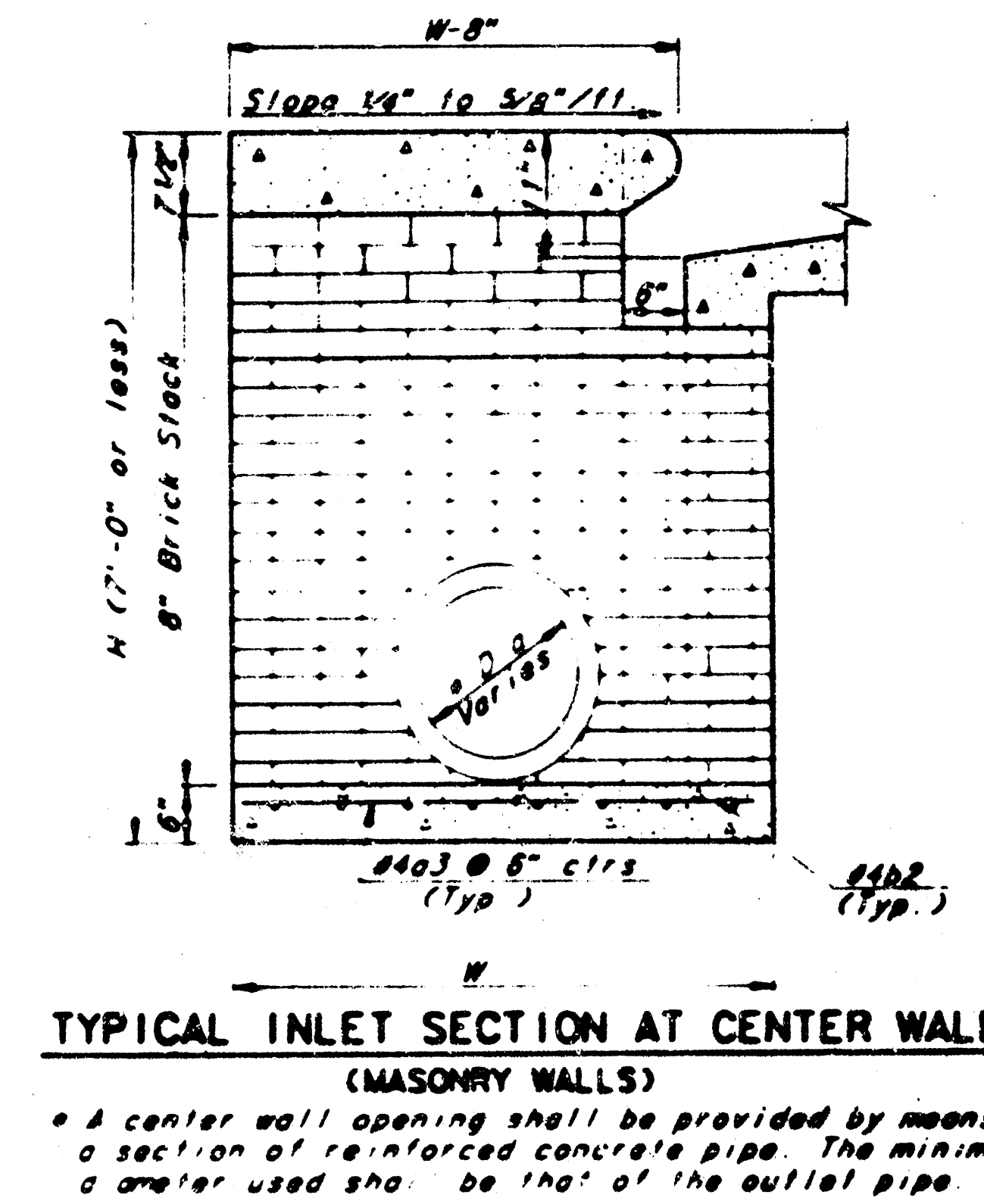
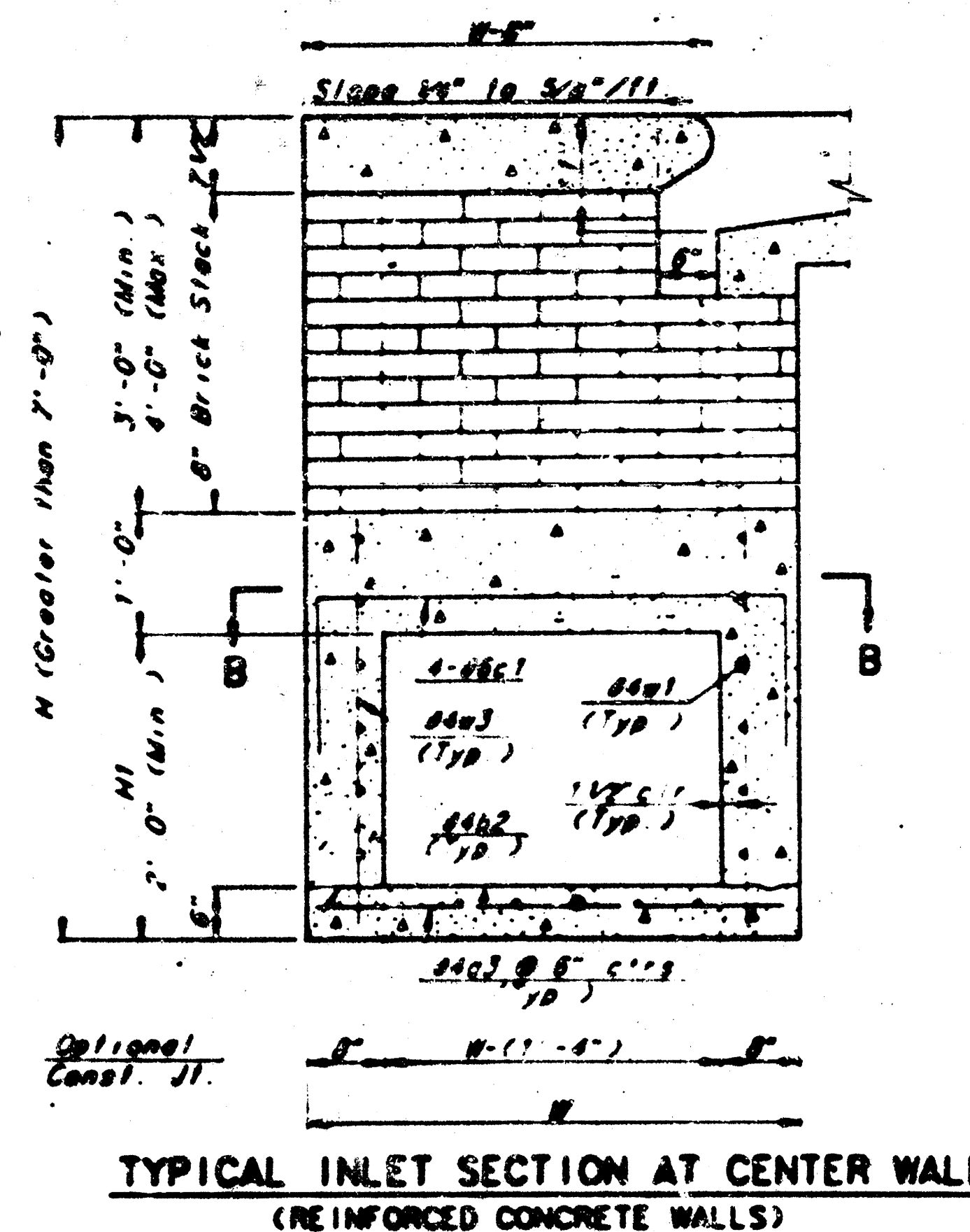
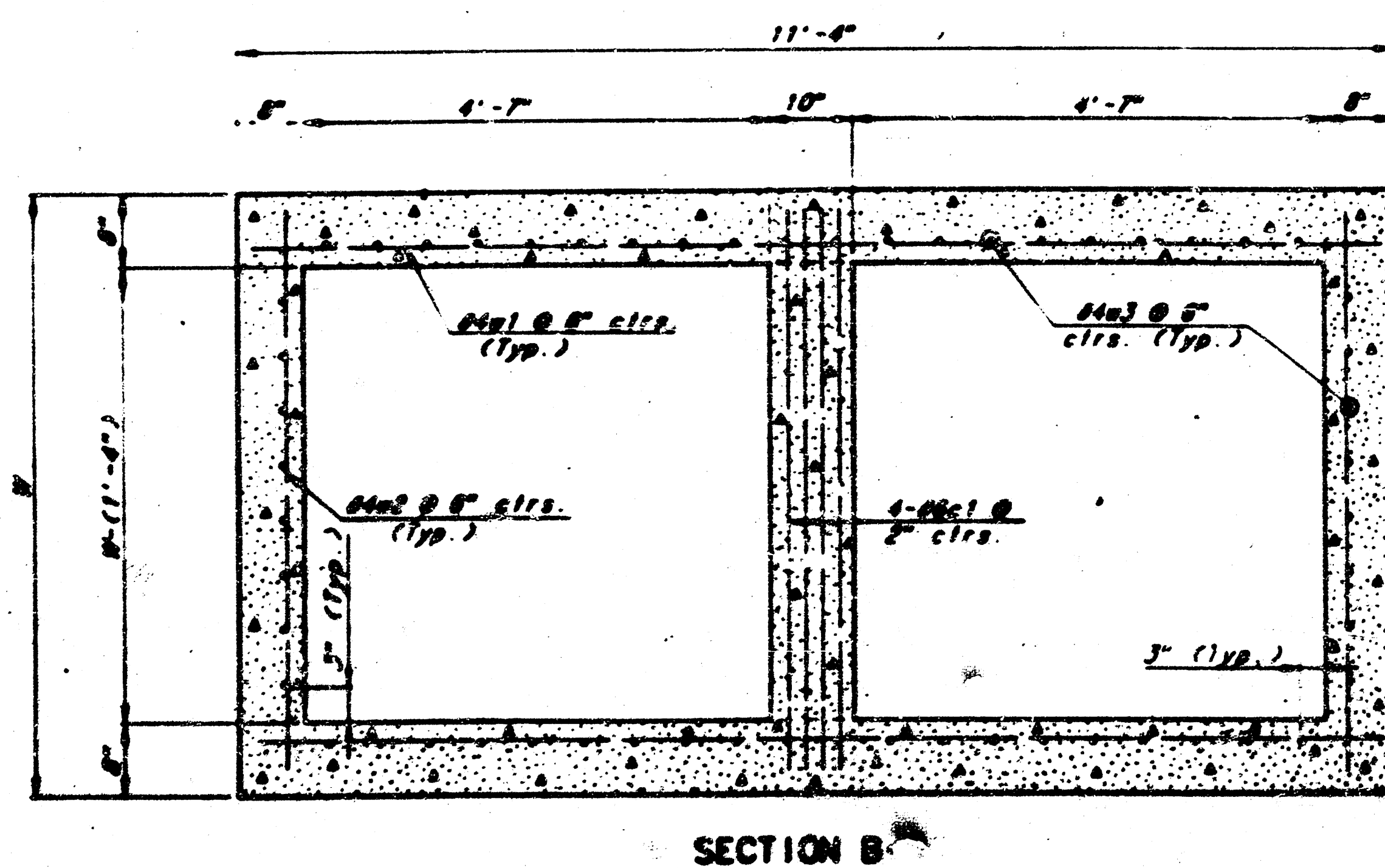
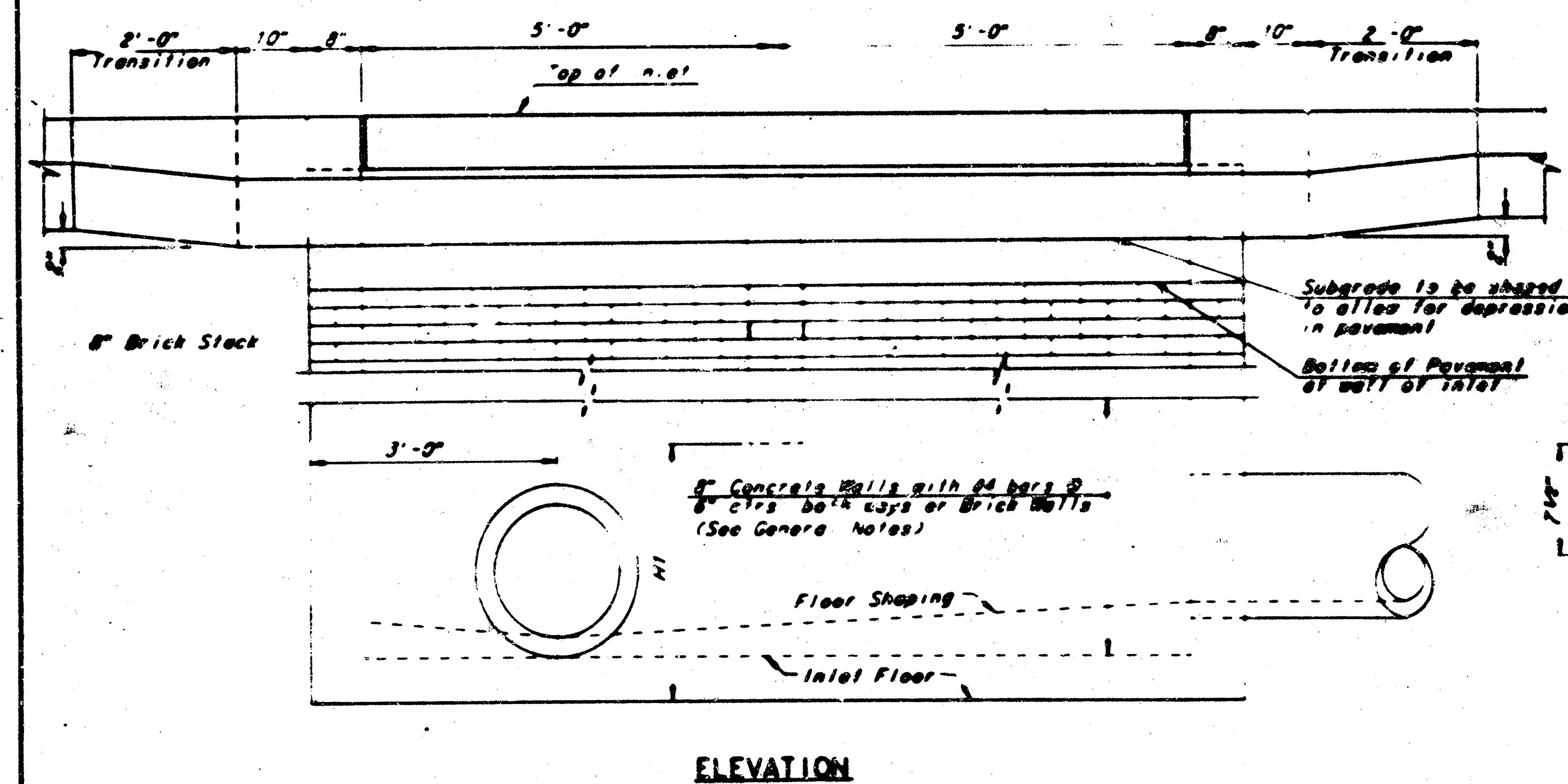
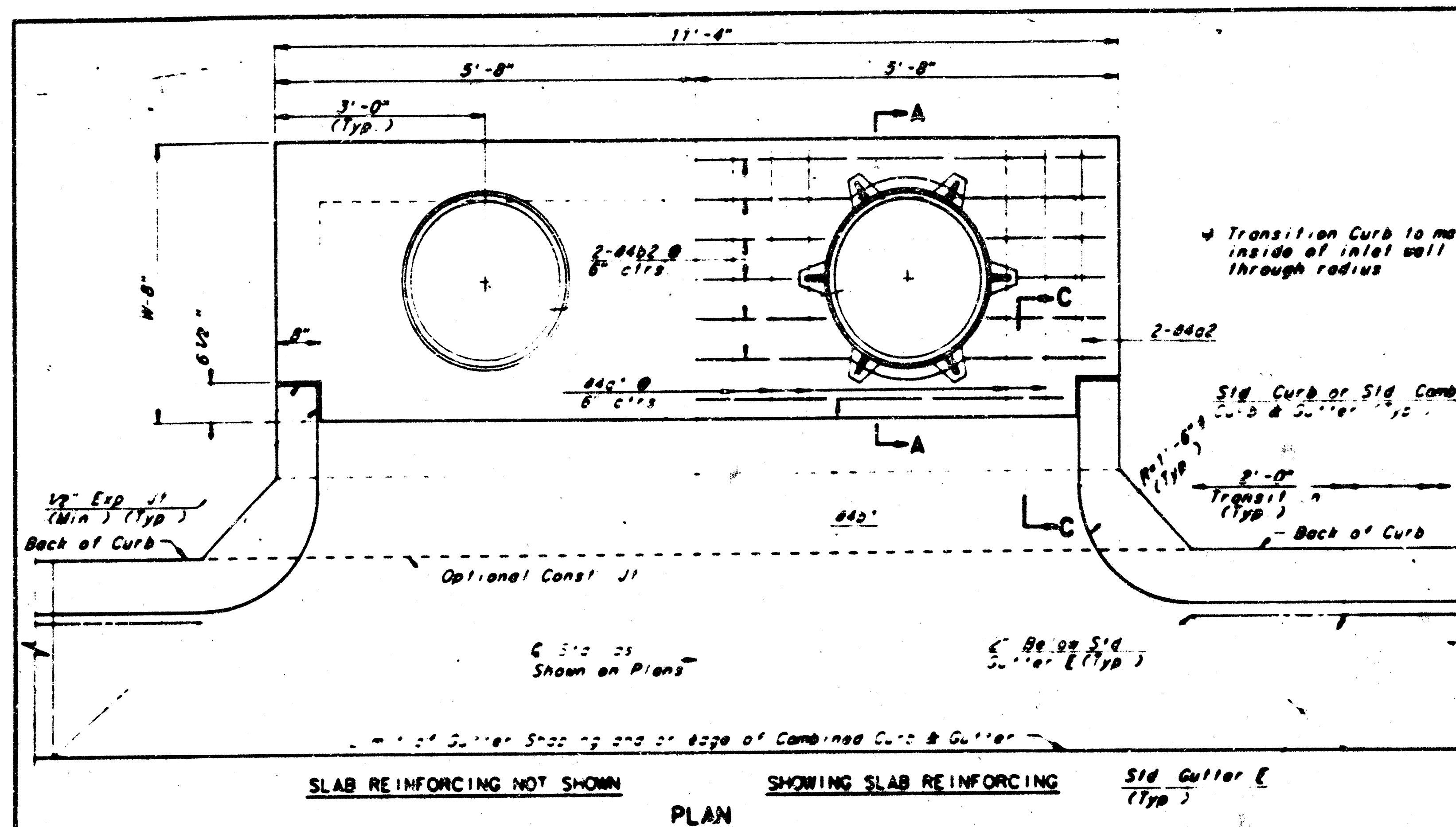
NOTE: Coordinate construction of storm sewer with Storm Water Drain #24. DO NOT construct storm sewer PRIOR TO COMPLETION of channel earthwork to a point upstream from storm sewer this project.



C.V. (Note): Saw 3/16" x 1/4" deep & 500' w/ joint sealer per spec. specifications.



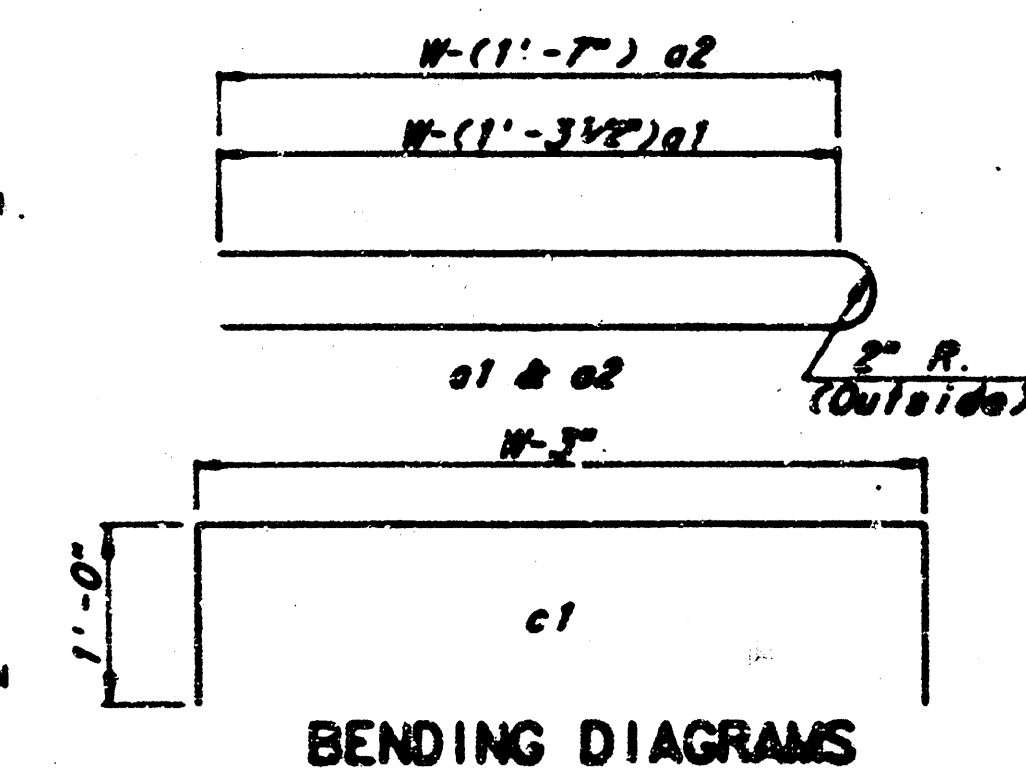
INCIDENTAL DRAINAGE IMPROVEMENTS TO STREETS IN HUNTCREST 2nd ADDN.			
472-76-245-81654-000-000-001			
BAUGHMAN COMPANY, P.A.			
SURVEYING & ENGINEERING			
316262-7271 • 315 ELLIS • WICHITA, KANSAS 67211			
Design:	Drawn:	Approved:	Date:
Engle	Scarf		12/11/85
COUNTRYSIDE CIRCLE			

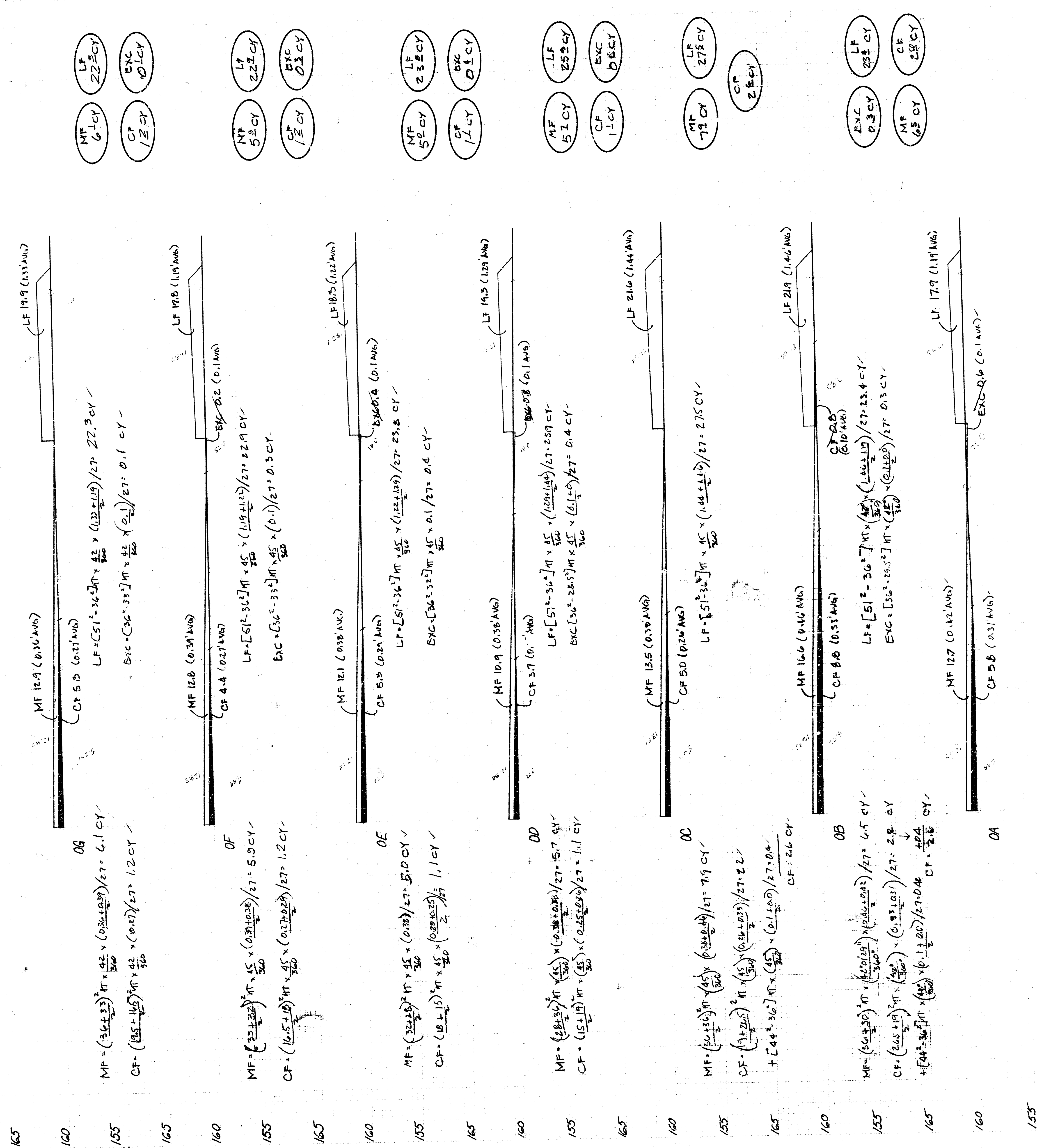


SLAB AND FLOOR REINFORCING											
		W-4' - 0"		W-5' - 0"		W-6' - 0"		W-7' - 0"		W-8' - 0"	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
a1	#4	13	8' - 7 1/2"	13	8' - 7 1/2"	13	10' - 7 1/2"	13	12' - 7 1/2"	13	14' - 7 1/2"
a2	#4	2	8' - 0"	2	8' - 0"	2	10' - 0"	2	12' - 0"	2	14' - 0"
a3	#4	20	4' - 1"	20	5' - 1"	20	6' - 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	18	11' - 1"	24	11' - 1"	30	11' - 1"	36	11' - 1"	42	11' - 1"

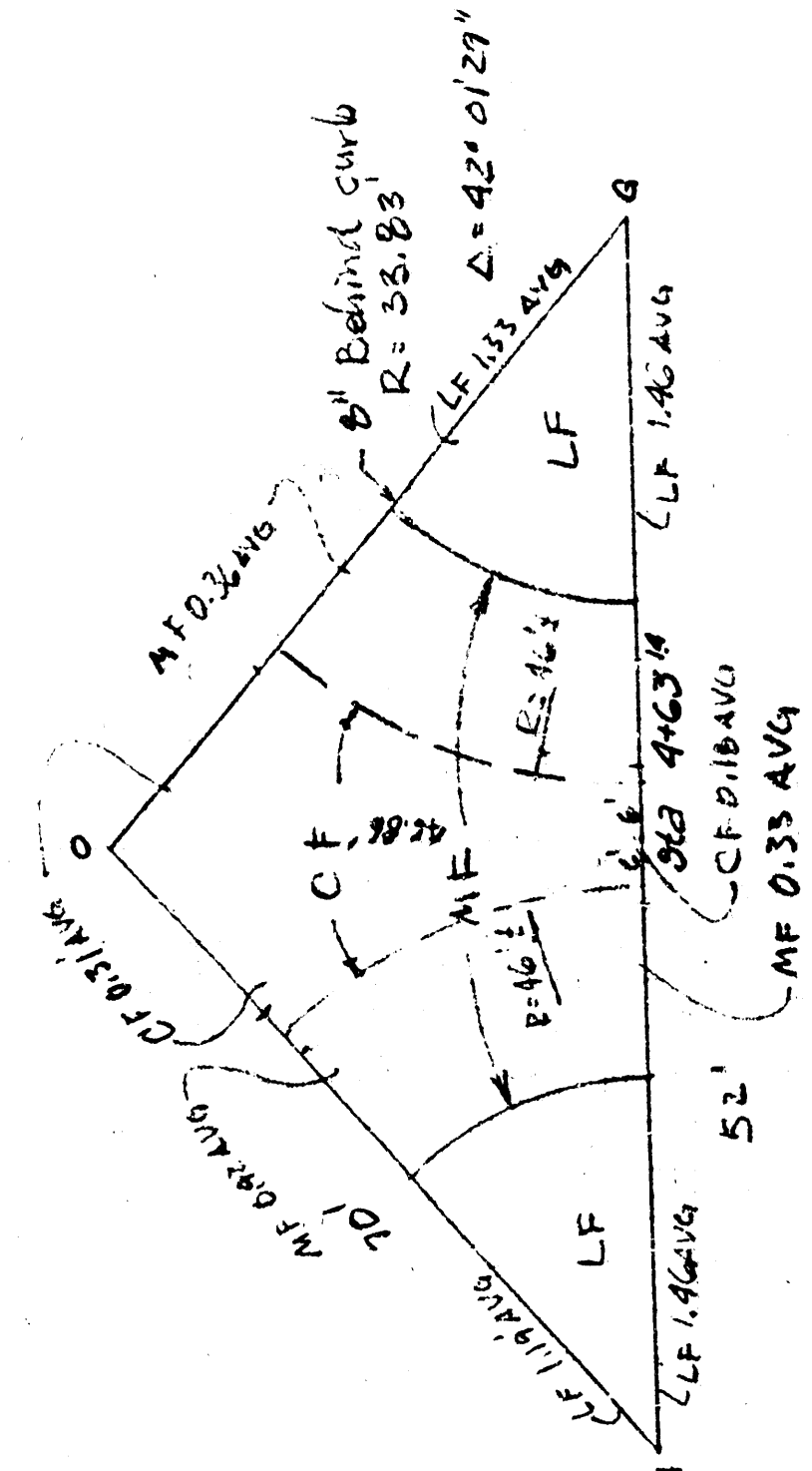
1 Field band or cut Reinforcing as required for clearance
 2 4-#4 @ 8" c/c's (11'-0" to 11'-6") Rounded down to nearest 0.5"
 3 4-#4 @ 8" c/c's (11'-6" to 11'-12")

- GENERAL NOTES**
- THE CONTRACTOR SHALL BE REQUIRED TO CONSTRUCT 6" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN W=6'-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 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 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 WENT OR CUT TO CLEAR MANHOLE RINGS.
 - THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.





IGNORE EXC. THIS AREA
ASSUME LF TO ROAD. POINTS "A" & "B"
FILL AREAS SYMMETRICAL ABOUT & (MULTIPLY Δ X 2)
 $LF = 2 \left[\frac{(35.83)^2 \pi \times 45}{360} \times \frac{(1.46 + 1.13)}{2} \right] / 27 = 41.2 \text{ CY}$
 $CF = 2 \left[\frac{(16.83 \times 1.13)}{2} \right] \times \frac{(0.33 \times 0.12)}{2} / 27 = 0.0 \text{ CY}$
 $MF = 2 \left[\frac{(16.83 \times 1.13)}{2} \right] \times \frac{(0.33 \times 0.12)}{2} / 27 = 21.9 \text{ CY}$



Page Totals

2 CY EXCAVATION
18 CY COMPACTED FILL
50 CY MANIPULATED FILL
187 CY LOOSE FILL

Country Side Circle