

STREET IMPROVEMENTS FOR LACLEDE AVENUE

FROM THE NORTH LINE OF TAFT TO THE SOUTH LINE OF UNIVERSITY AVENUE

PROJECT NUMBER

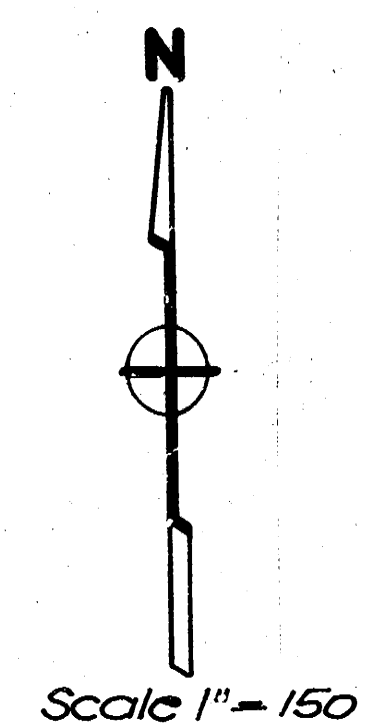
472-76-245-81759-000-000-001

CITY OF WICHITA, KANSAS

MICHAEL E. LINDEBAK CITY ENGINEER

INDEX OF SHEETS

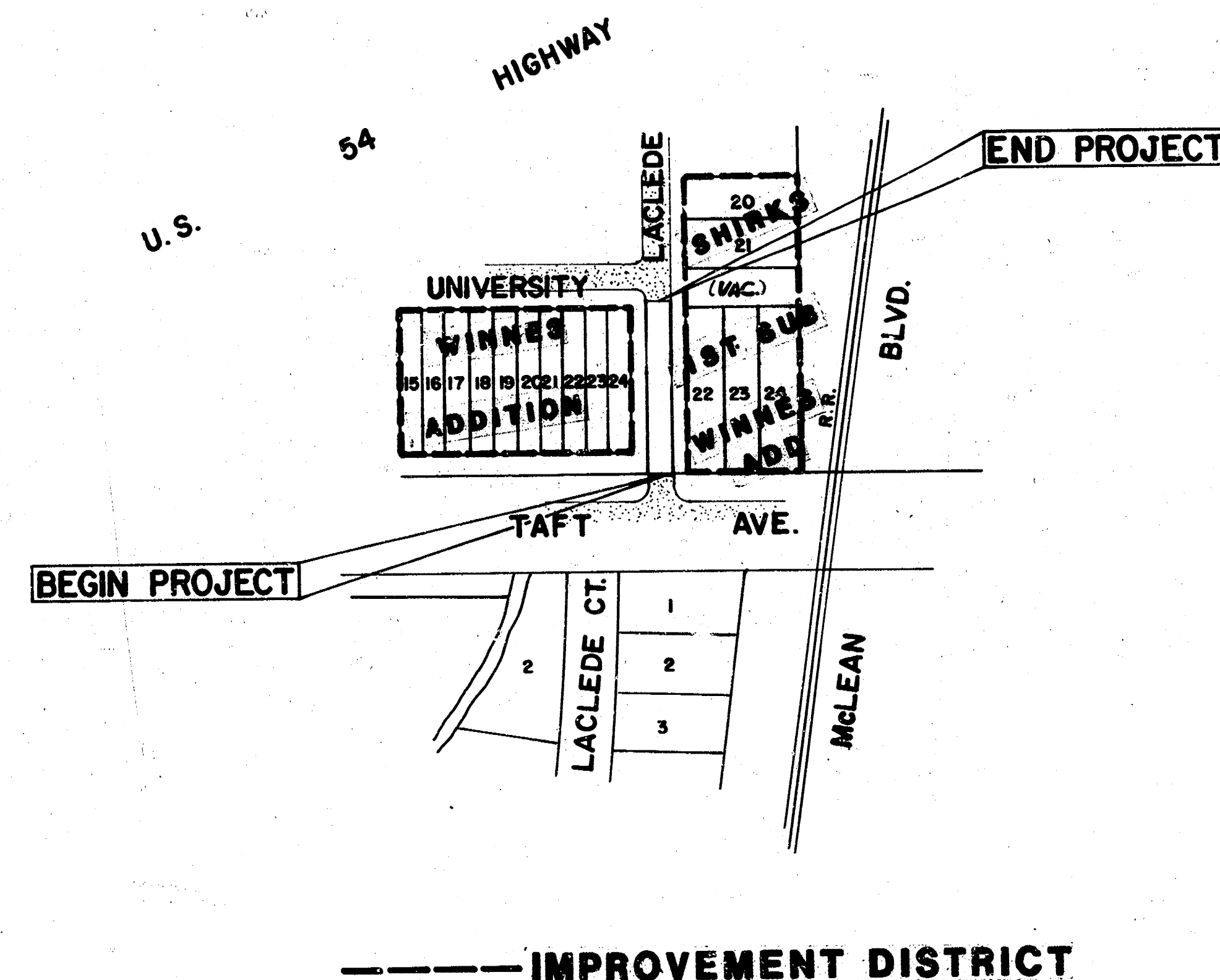
Title Sheet	1
Typical Pavement Section 7" A.C. (31')	2
Typical Pavement Section 7" A.C. (28')	3
Street Improvements; Laclede Ave	4
Plan & Profile; Incidental Drainage	5
Std. Type II Curb Inlet Typical	6
Drop Inlet Detail	7
Manhole Adjustment Detail	8
Earthwork Sections	9



BENCH MARKS

Bench Mark: 6' Cut Top Curb East end of Northeast
Curb Return @ Taft and Laclede Avenue
Elev. 110.00 City Datum

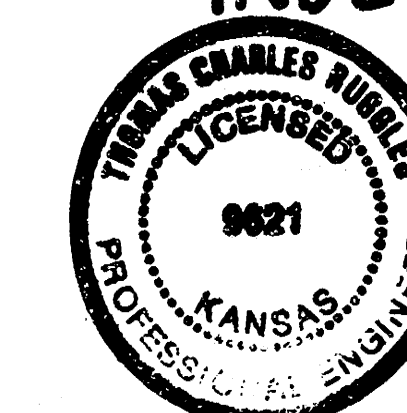
Bench Mark: 6' Cut Top Curb North end of Curb Return,
Sta. 2+27.16 @ Laclede and University Ave.
Elev. 107.18 City Datum



NOTE: STORM SEWER CONSTRUCTION SHOWN ON
PLANS IS BEING FUNDED AS A SEPARATE PROJ.
AS S.W.S. No. 368
PROJECT No. 468-76-245-81857-000-000-001

GENERAL NOTES

- Interurban traffic generated outside the project area is not to be carried through construction. Local business or apartment traffic generated within the project area is to be carried through construction as further promulgated by project special provisions.
- Utility service lines, poles, valve boxes, meters, and enclosures 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.
- Rubble 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.
- The City of Wichita's Sewer Maintenance Division of the Department of Water and Water Pollution Control has televised sewers within the limits of the project and have found no defects requiring repair. The Division shall be notified and afforded the opportunity to reteleviser sewer lines after subgrade work has been completed and prior to pavement construction to determine if such sewer lines have been damaged by the Contractor's operations. Damaged sewer lines will be repaired by the Contractor, as directed by the Engineer, at the Contractor's expense. Television logs are available for inspection by the Contractor during normal office hours at the Sewer Maintenance Division's office at City Hall.
- No more than 14 drives 14 feet in width, or equivalent combinations thereof, are to be constructed with this project.
- Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.
- 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.
- Driveway widths and locations shown on the plan are tentative. Contractor will be required to obtain properly executed driveway request form signed by property owner or his authorized representative verifying such driveway widths and locations. Such forms shall be submitted to the Engineer for his review and approval.
- The Contractor shall give all property owners and/or tenants of developed property abutting the project limits a minimum of ten (10) days advance notice prior to start of construction.



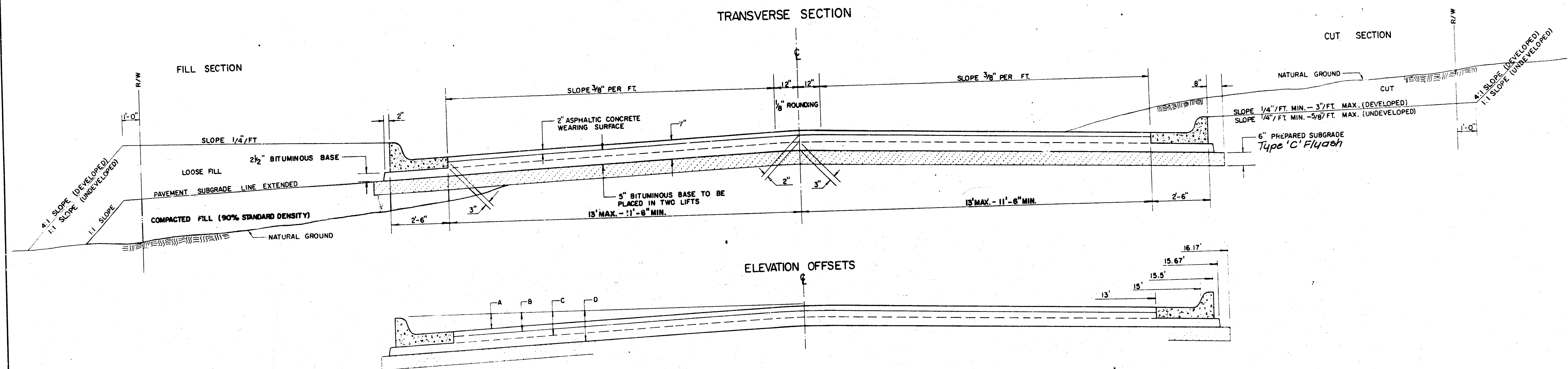
INDEX # 601054

AS BUILT 1-25-89 M. GREGG

STREET IMPROVEMENTS FOR LACLEDE STREET					
BAUGHMAN COMPANY P. A. SURVEYING & ENGINEERING 316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211				REV. 1/9	
PROJECT NUMBER 472-76-245-81759-000-000-001					
DESIGN	DRAWN R.J. Plish	APPROVED	DATE May 10, 1988	SCALE 1" = 150'	SHEET 1 OF 9

TYPICAL 31' PAVEMENT DETAILS

Note: Width Tapers from 31' @ Sta 0+0.3 to 28' @ Sta 1+25

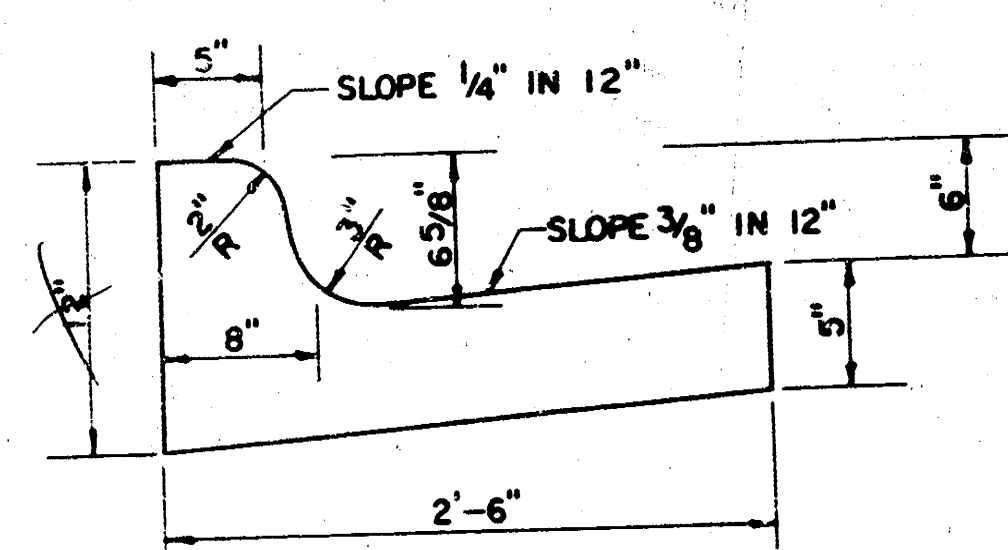


Note: Table values to be used @ 31' width only

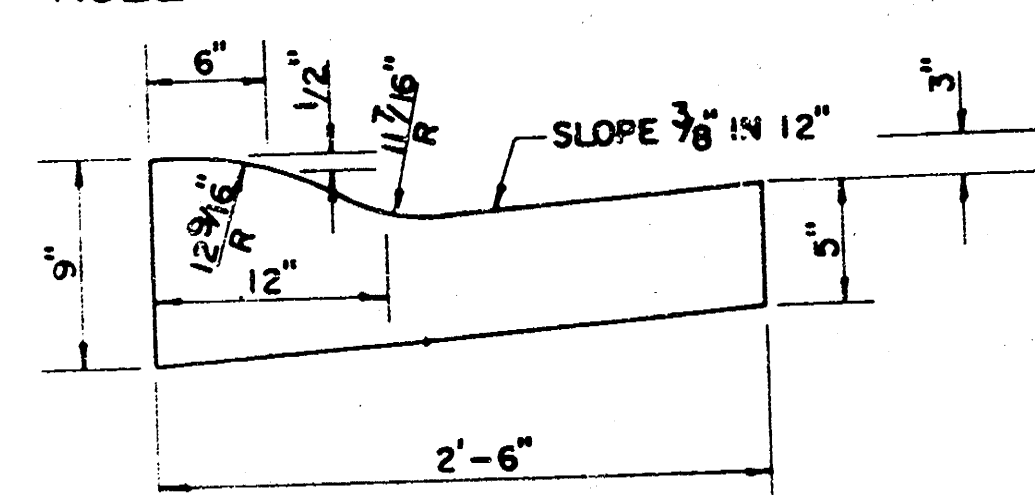
Note: Table Values to be used @ 31' Width only

	DISTANCE FROM CENTERLINE (LT. & RT.)											
	0'	2'	4'	6'	7.5'	10'	12'	13'	15'	15.5'	15.67'	16.17'
A. TOP OF CURBS TO TOP OF SURFACE LIFT	0.10	0.14	0.21	0.27	0.32	0.39	0.46	0.49	—	—	—	—
B. TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.27	0.31	0.38	0.44	0.49	0.56	0.63	0.66	—	—	—	—
C. TOP OF CURBS TO TOP OF LOWER BASE LIFT	0.44	0.49	0.57	0.64	0.70	0.79	0.87	0.90	0.98	1.00	1.00	—
D. TOP OF CURBS TO TOP OF SUBGRADE	0.69	0.73	0.80	0.87	0.93	1.01	1.08	1.12	1.19	1.21	1.21	1.23

COMBINED CURB & GUTTER



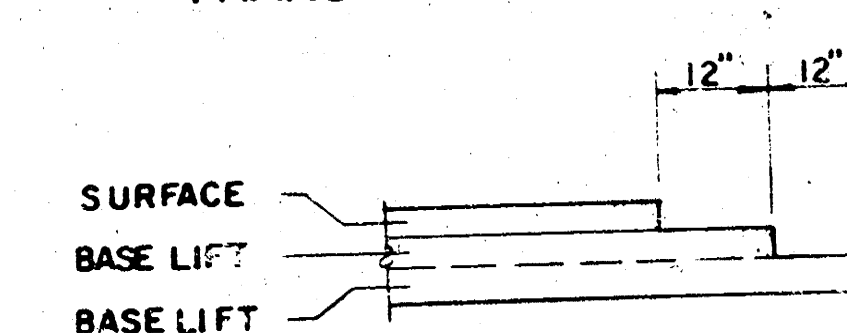
ROLL TYPE COMBINED CURB & GUTTER



GENERAL NOTES

- 1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 7\"/>

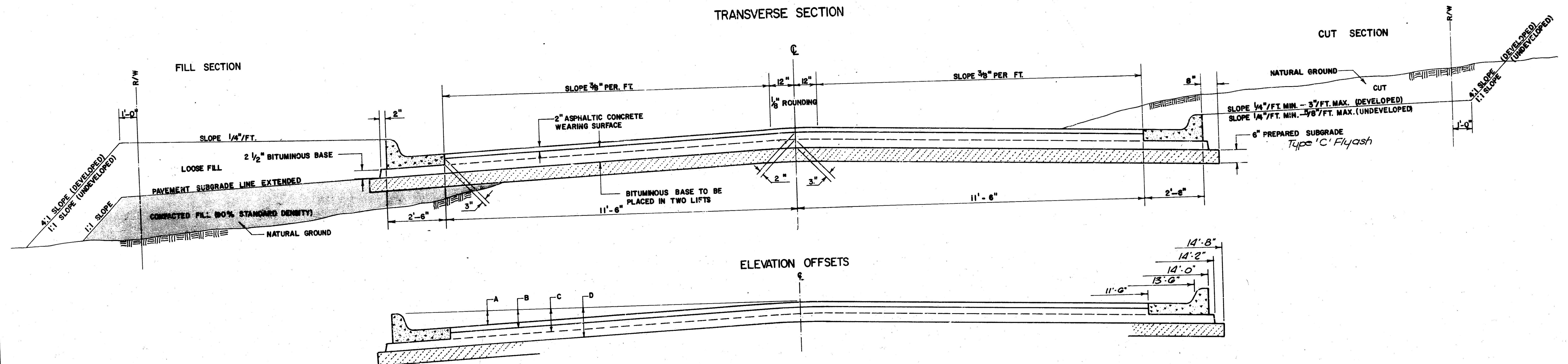
TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE EXISTING MAPS. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF TRANSVERSE JOINTS SHALL BE INCLUDED IN THE BIDDING PRICE PER SQUARE YARD OF 7\"/>

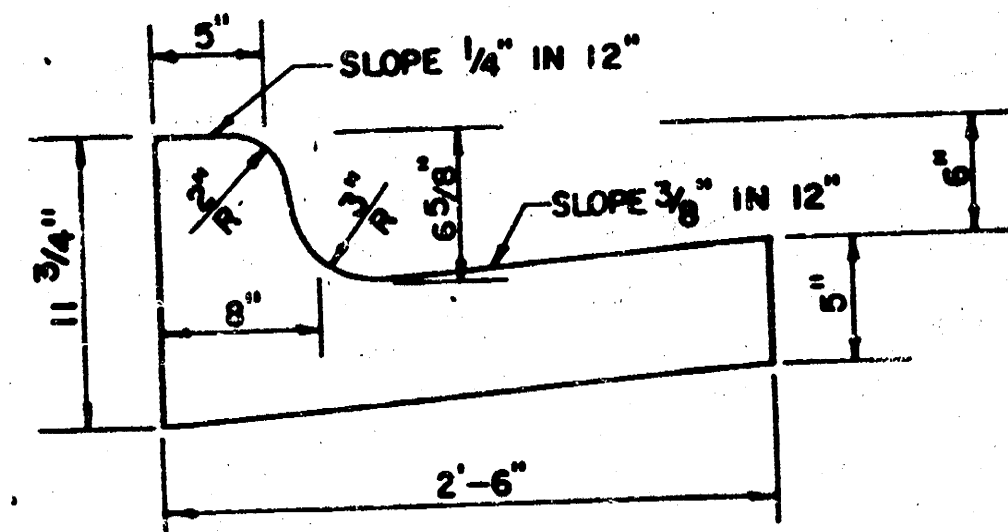
7 INCH RESIDENTIAL ASPHALTIC CONCRETE
PAVEMENT WITH 5 INCH BITUMINOUS BASE
CITY OF WICHITA, KANSAS
PROJECT NUMBER
472-76-245-81759-000-000-001

TYPICAL 28' PAVEMENT DETAILS STA. 1+25 TO 1+73.5

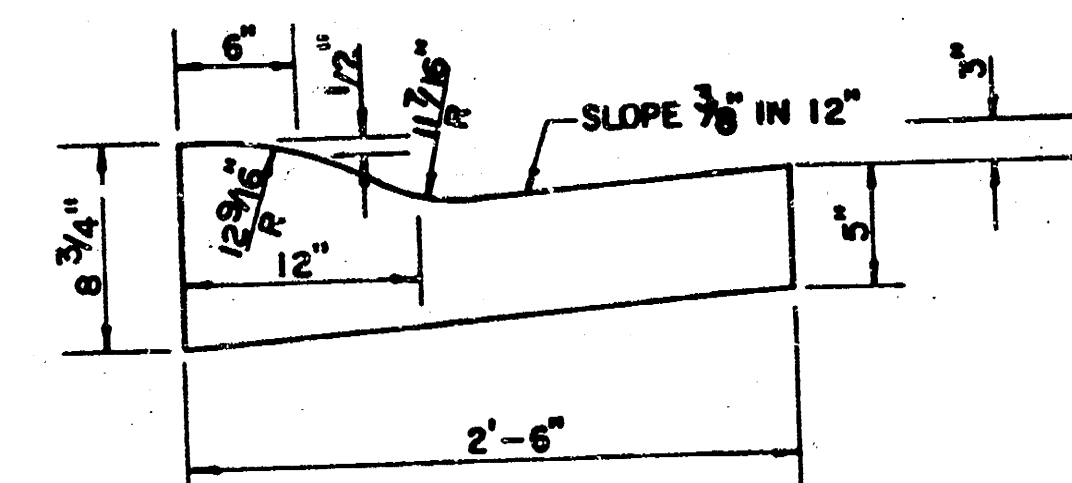


	DISTANCE FROM CENTERLINE (LT. & RT.)											
	0'	2'	4'	6'	7'	8'	10'	11'-6"	13'-6"	14'-0"	14'-2"	14'-8"
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.15	0.20	0.27	0.33	0.36	0.39	0.43	0.50	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.32	0.37	0.44	0.50	0.53	0.56	0.65	0.67	—	—	—	—
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	0.49	0.50	0.65	0.71	0.76	0.79	0.86	0.92	0.99	1.01	1.01	—
D: TOP OF CURBS TO TOP OF SUBGRADE	0.74	0.80	0.87	0.94	0.97	1.01	1.08	1.13	1.20	1.22	1.22	1.24

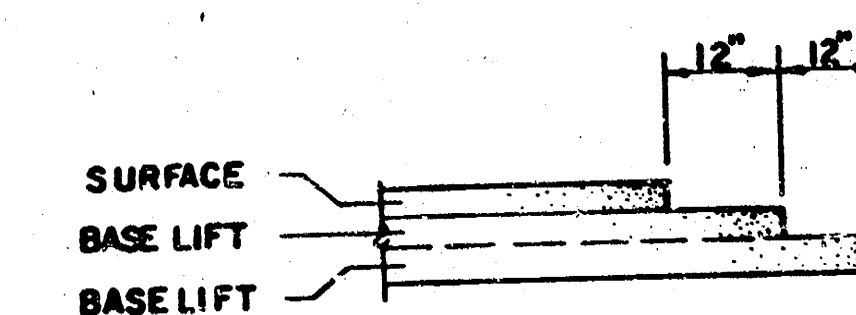
COMBINED CURB & GUTTER



ROLL TYPE COMBINED CURB & GUTTER



TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINTS 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).

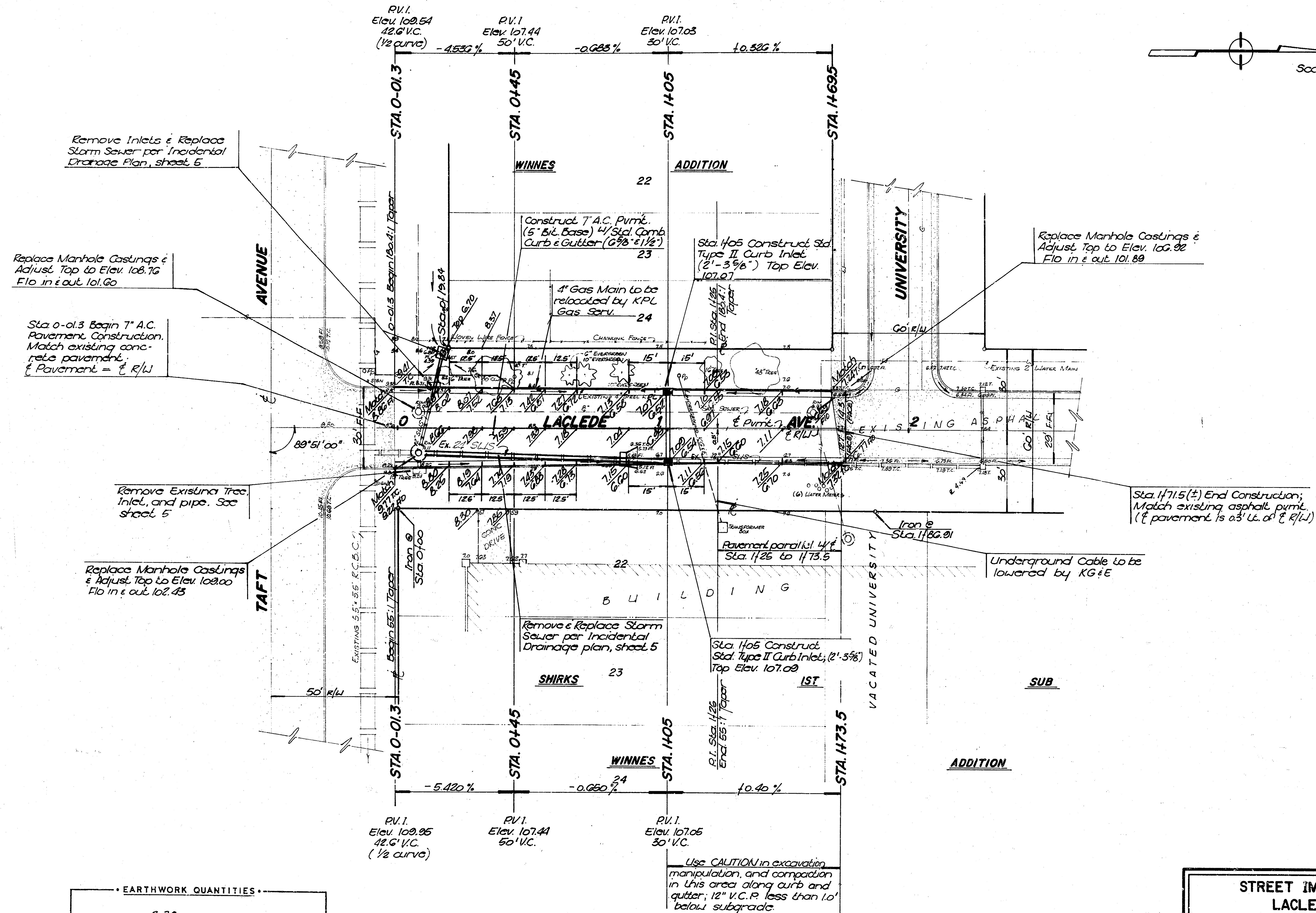
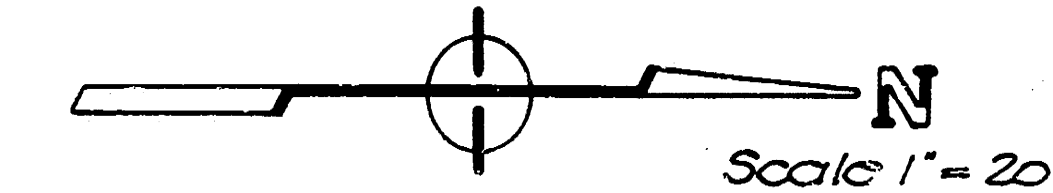
GENERAL NOTES

- 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.

7 INCH RESIDENTIAL ASPHALTIC CONCRETE
PAVEMENT WITH 5 INCH BITUMINOUS BASE
CITY OF WICHITA, KANSAS
PROJECT NUMBER
472-76-245-81759-000-000-001

Bench Mark: "a" Cut Top Curb East end of Northeast Curb Return @ Taft and Laclede Ave Elev. 110.69 City Datum

Bench Mark: "a" Cut Top Curb North end of Curb Return, Sta. 2+27.15' left, e Laclede and University Ave. Elev. 107.18 City Datum

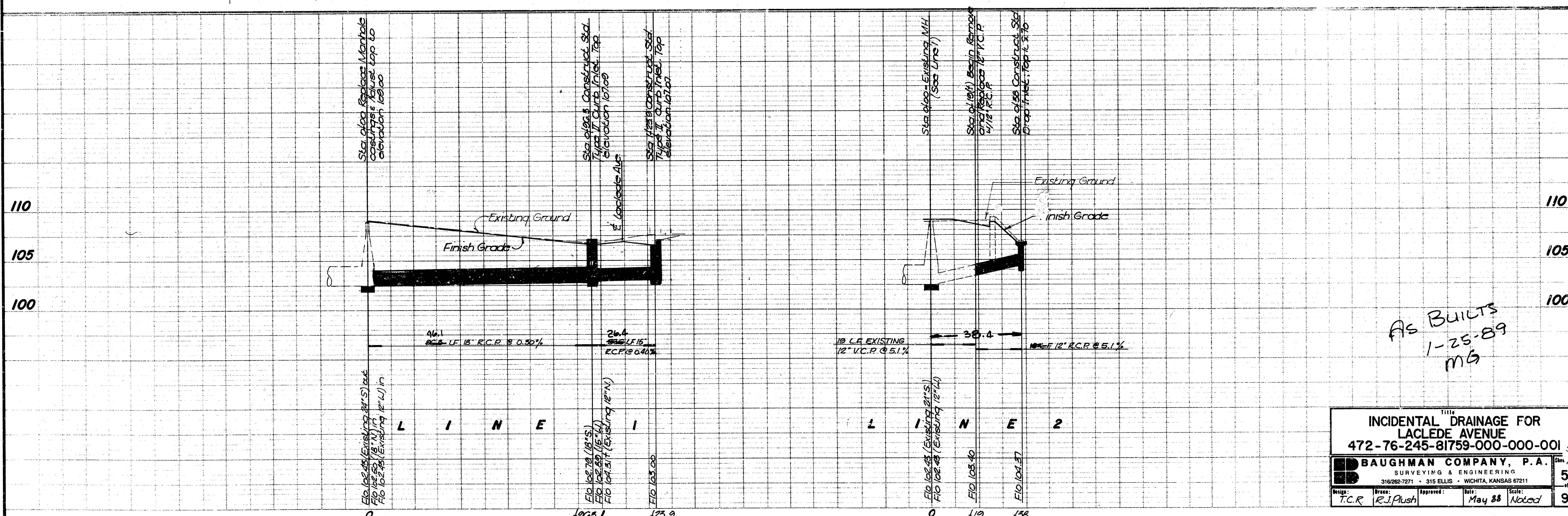
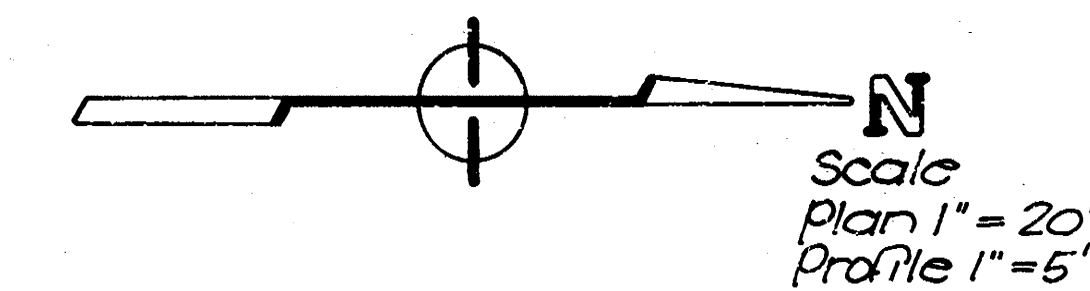


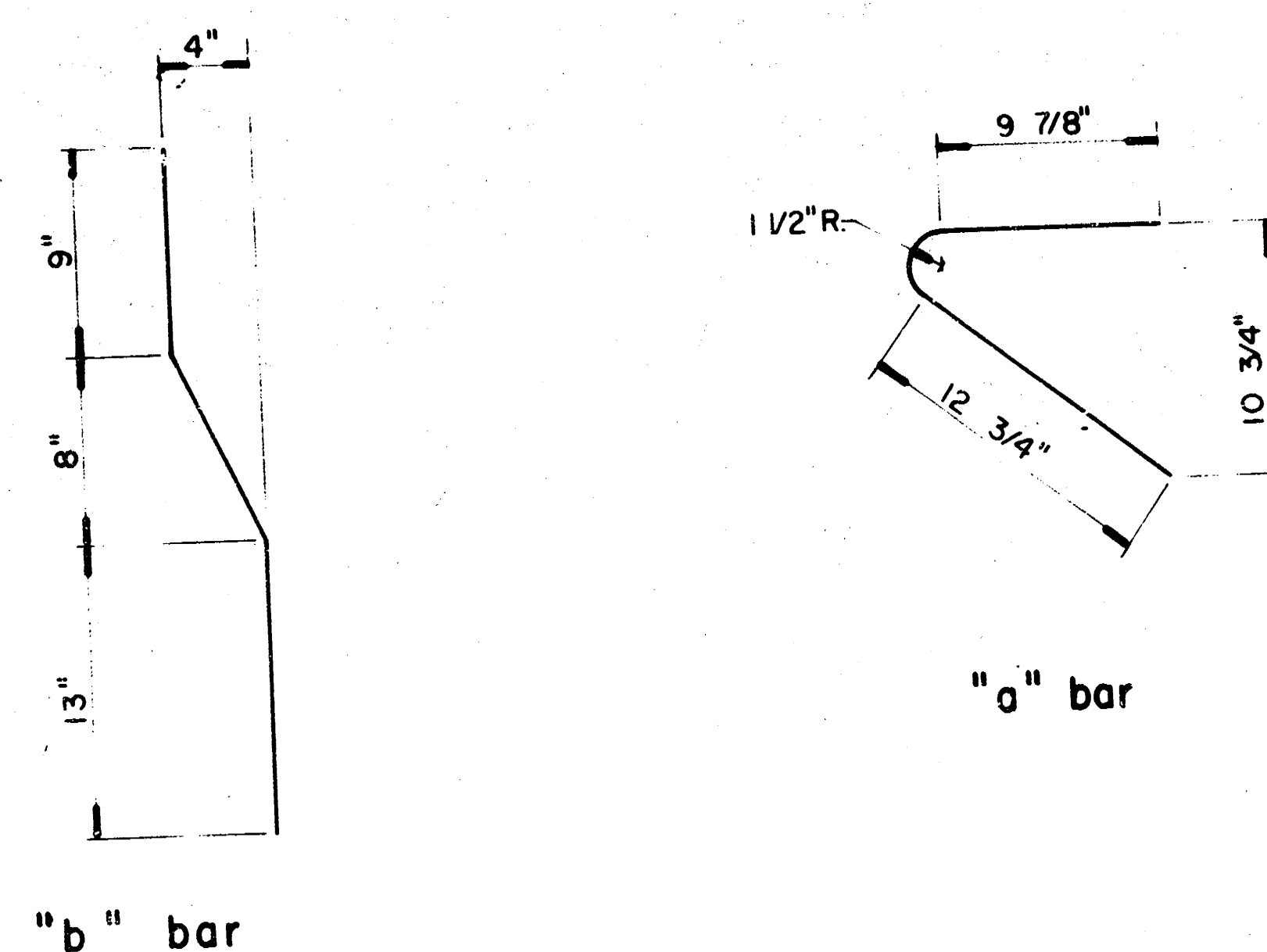
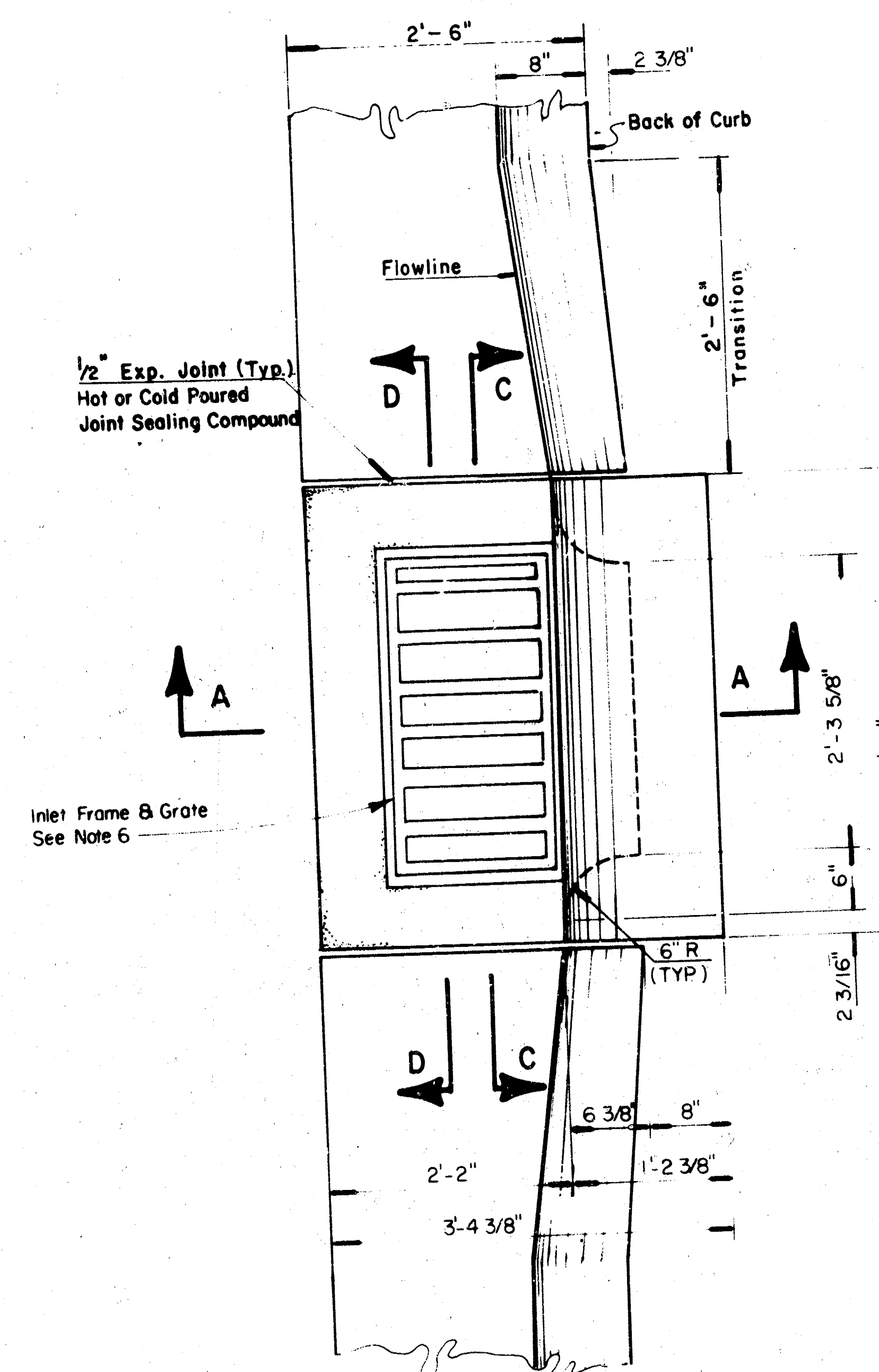
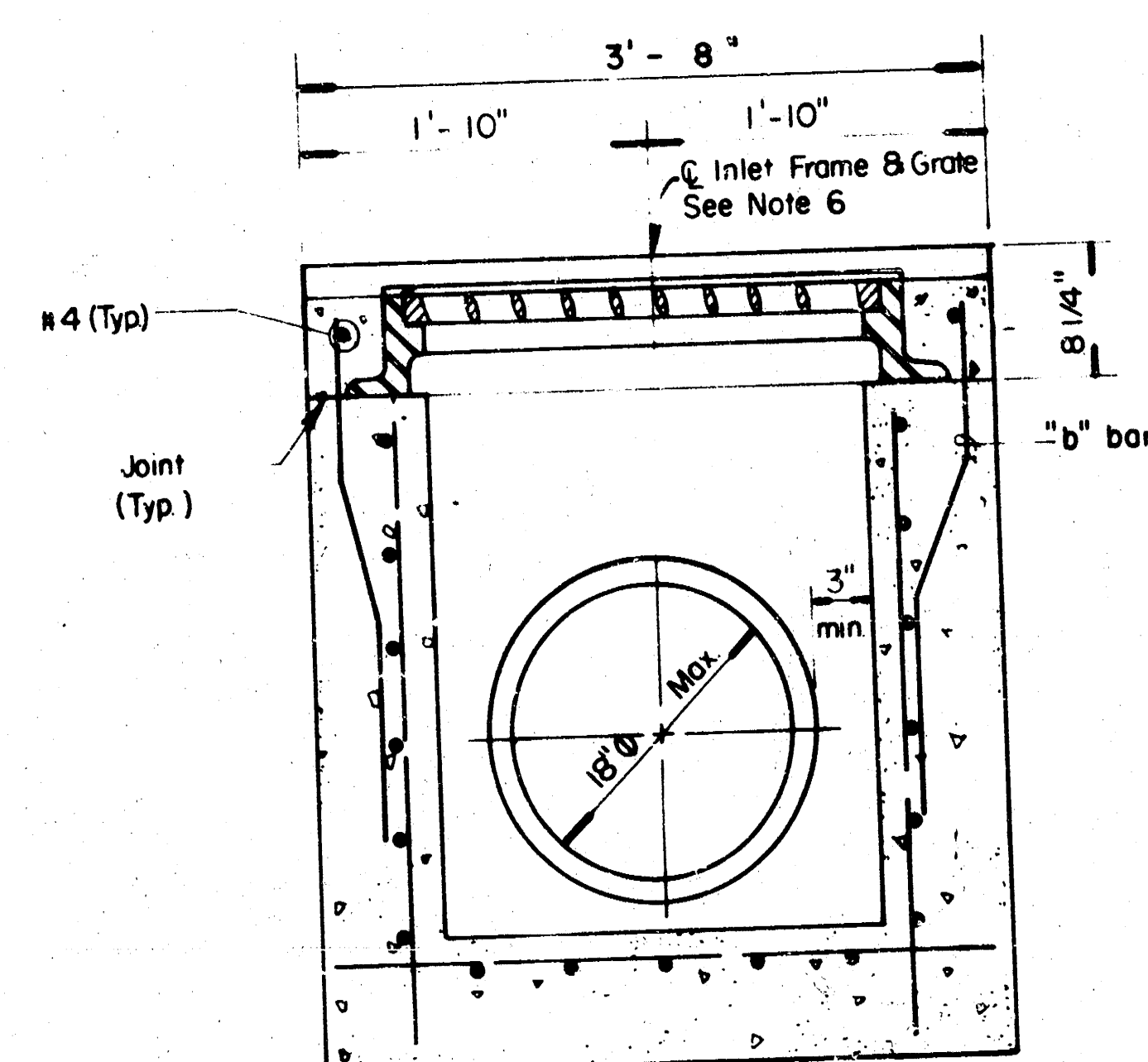
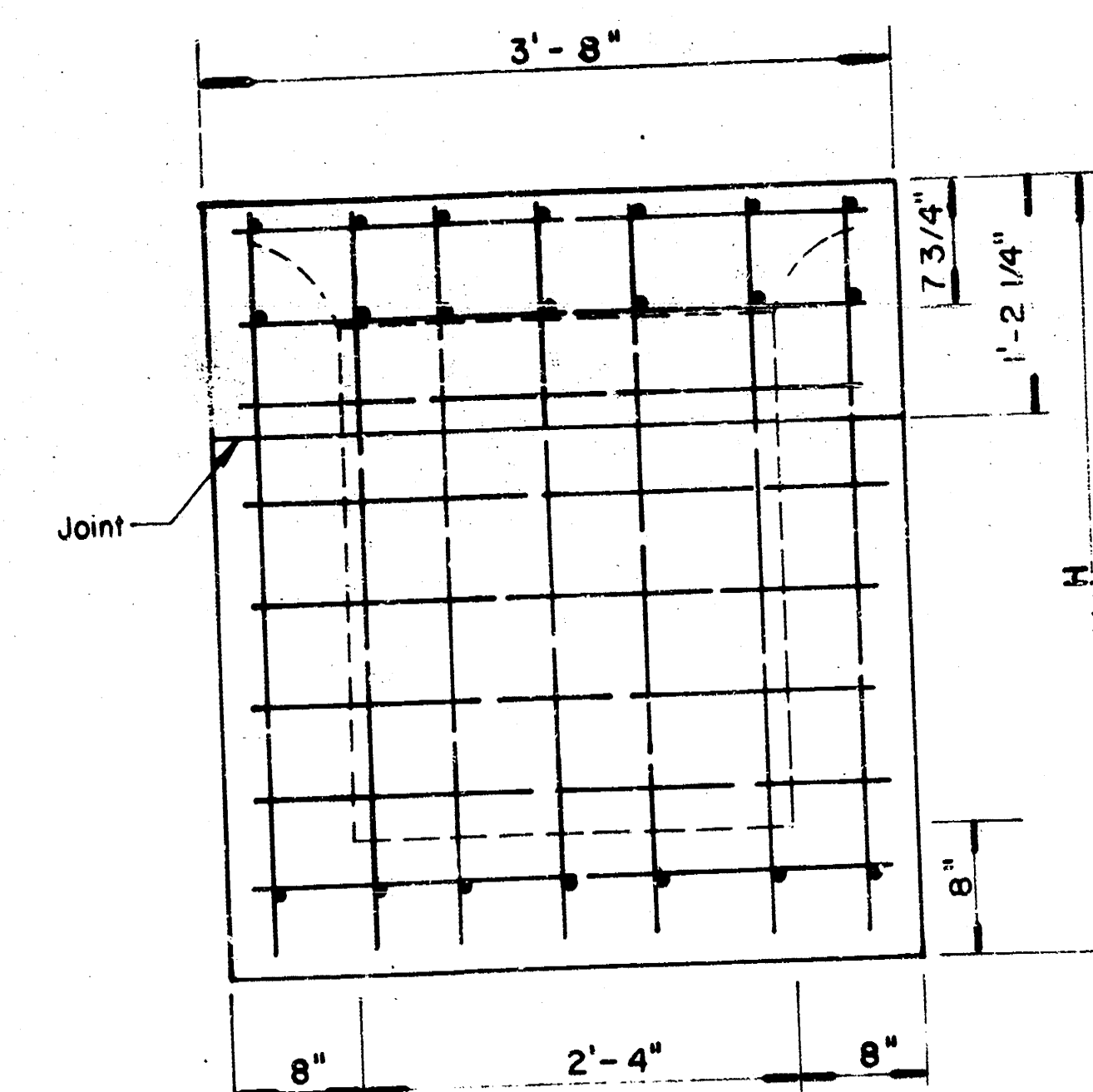
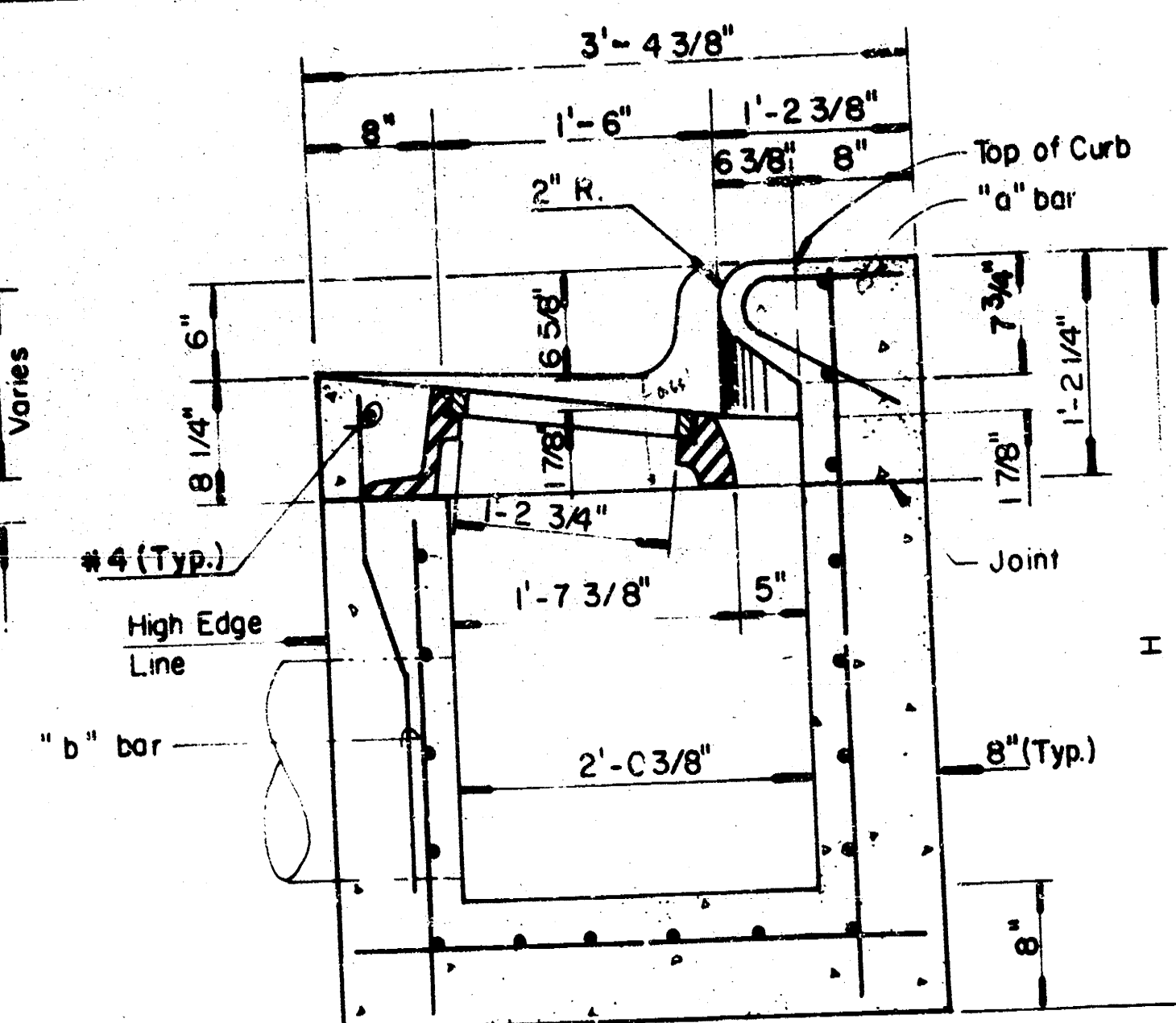
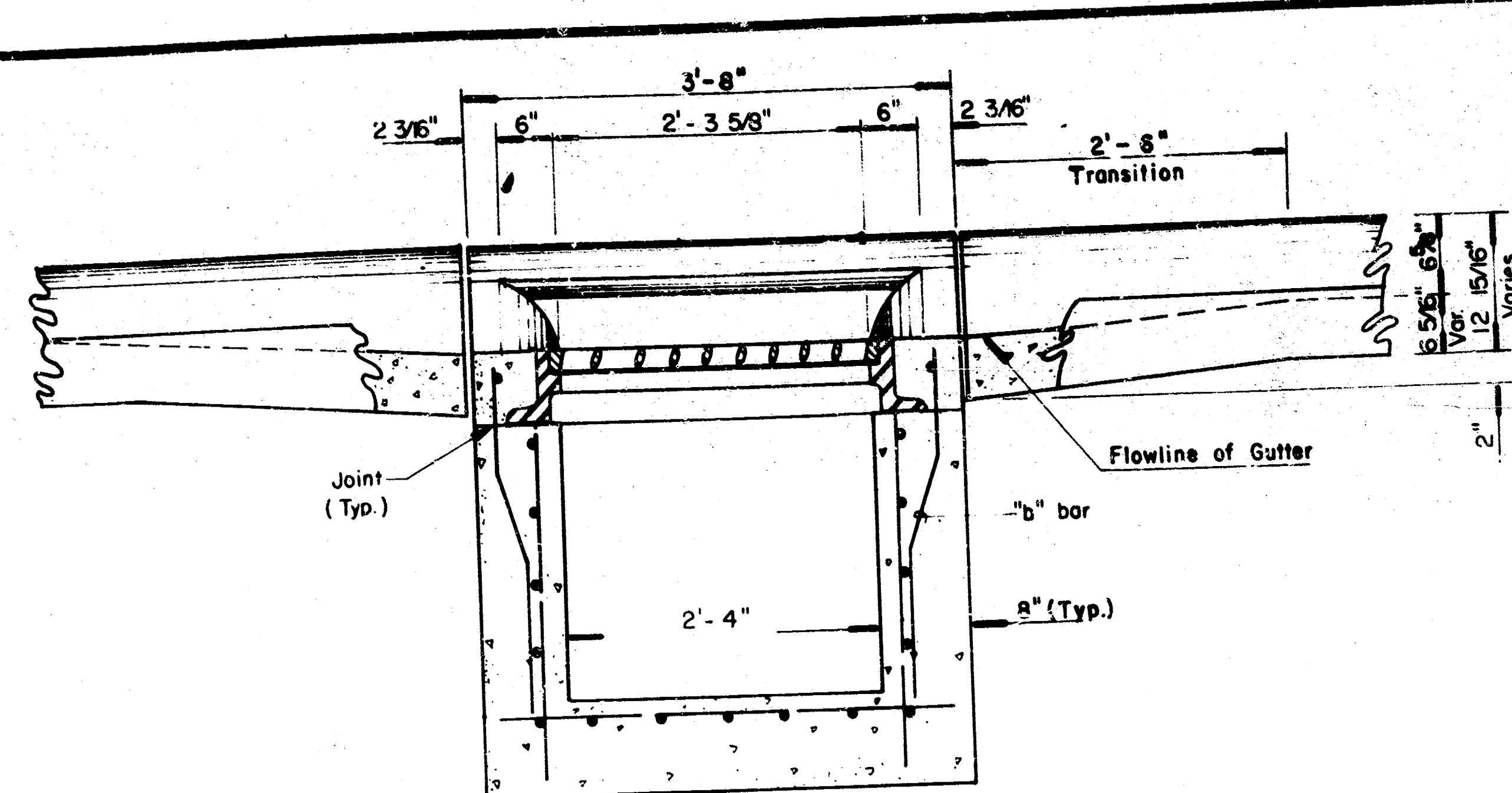
EARTHWORK QUANTITIES			
Excavation	207.3 cy	Compacted Fill	0 cy
+10%	20.7	+10%	0
Total	228.0 cy	Total	0 cy
Subgrade Manipulation	584.2 sy		
Borrow Material	0 cy		

NOTE: Any sawing of existing pavement to facilitate new construction will not be paid for directly and is to be considered as subsidiary to the pay items of work identified in the proposal.

STREET IMPROVEMENTS FOR LACLEDE AVENUE				
BAUGHMAN COMPANY P. A. SURVEYING & ENGINEERING 315/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211		REV.		
		PROJECT NUMBER 472-76-245-81759-000-000-001		
DESIGN T.C.R.	DRAWN R.J. Plush	APPROVED	DATE May 88	SCALE 1" = 20'
				SHEET 4 OF 9

Bench Mark: '□' Cut Top Curb North end of Curb Return,
Sta. 2+27.15' (at 2, @ Lockeds and University Ave.
Elev. 107.18 City Datum





- GENERAL NOTES:

- ## GENERAL NOTES
1. Use the concrete mix specified for the City of Wichita concrete pavement throughout. All exposed edges shall be finished with an edging tool. Reinforcing bars shall be bent around pipe.
 2. Inlet invert shall be shaped with 8 sack 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.
 3. All bars are #4 with 6" spacing and shall have a minimum clearance of 1 1/2 inches unless otherwise noted on the plans.
 4. When directed by the Engineer, a small opening may be required in the back of the inlet in order to drain a low area. Reinforcing bars will extend through the openings. No deductions in concrete quantities will be made for these openings.
 5. No deductions will be made in pay length of curb, gutter, or curb and gutter through the inlet area.
 6. Use Neenah R-3289 HW Single Inlet Frame and Grate or approved equal. Inlet frame to be proof load ~~tested~~ rated to 40,000 lbs. on unsupported side.
 7. Reinforcing bars shall be cut or bent around pipes. No deduction in concrete quantities shall be made for pipe openings.
 8. The vanes of the grate shall be oriented with respect to the flow arrows shown on the plans.

DETAIL STANDARD TYPE II CURB INLET

CITY OF WICHITA, KANSAS

INLET OPENING = 6"x2'-35/8"
472-76-245-81759-000-000-001

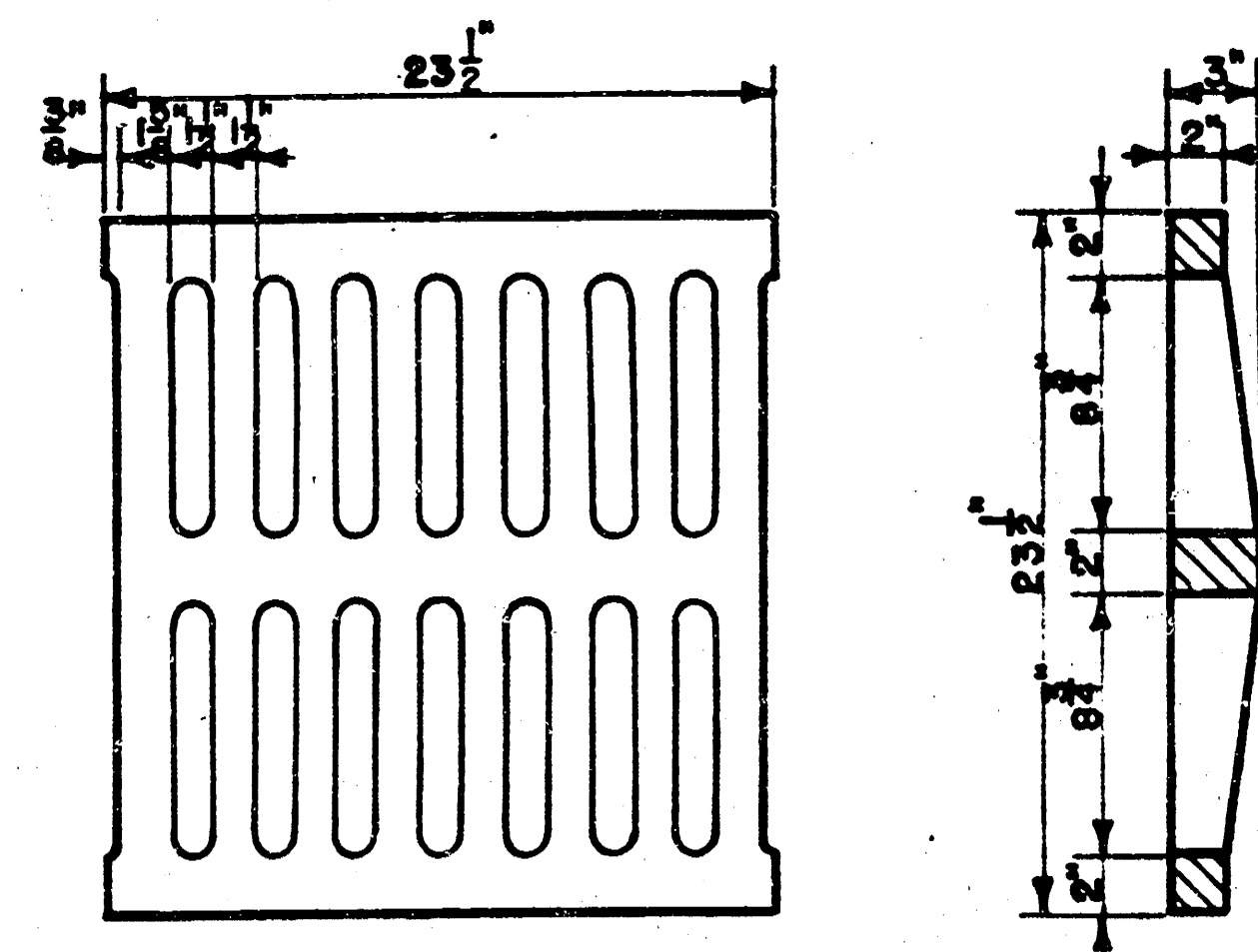
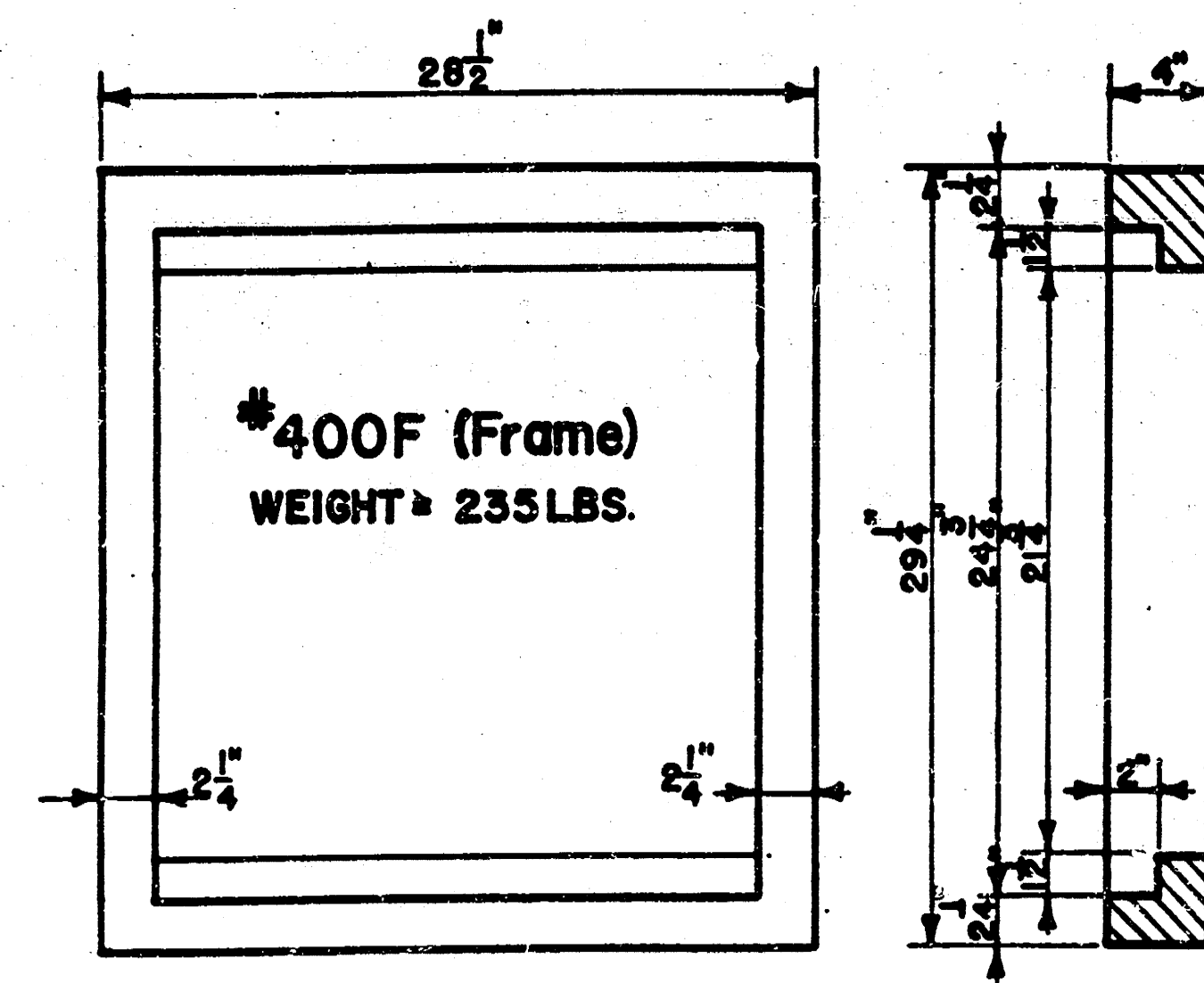
472-76-245-81759-000-000-001

JANUARY, 1987

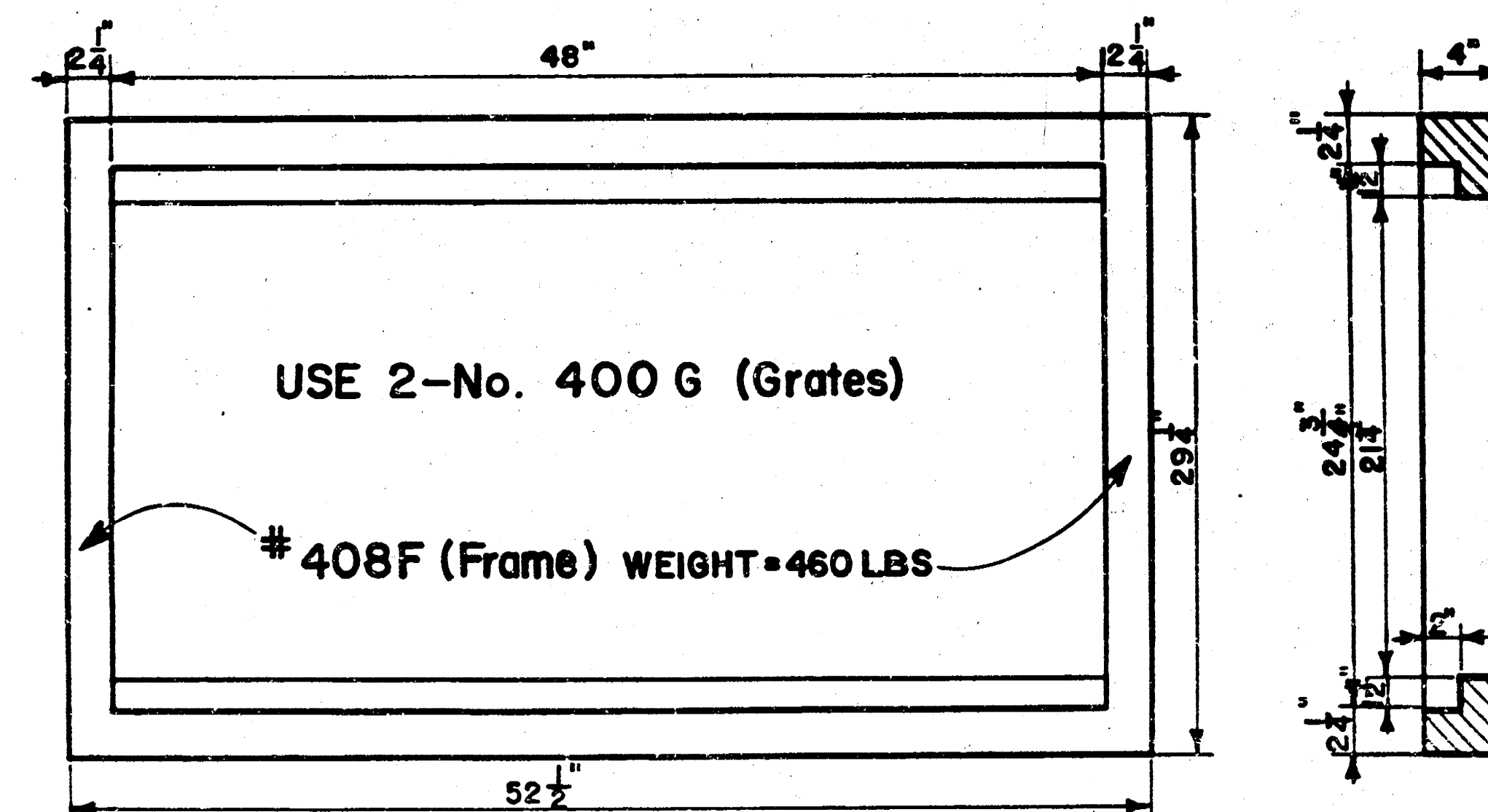
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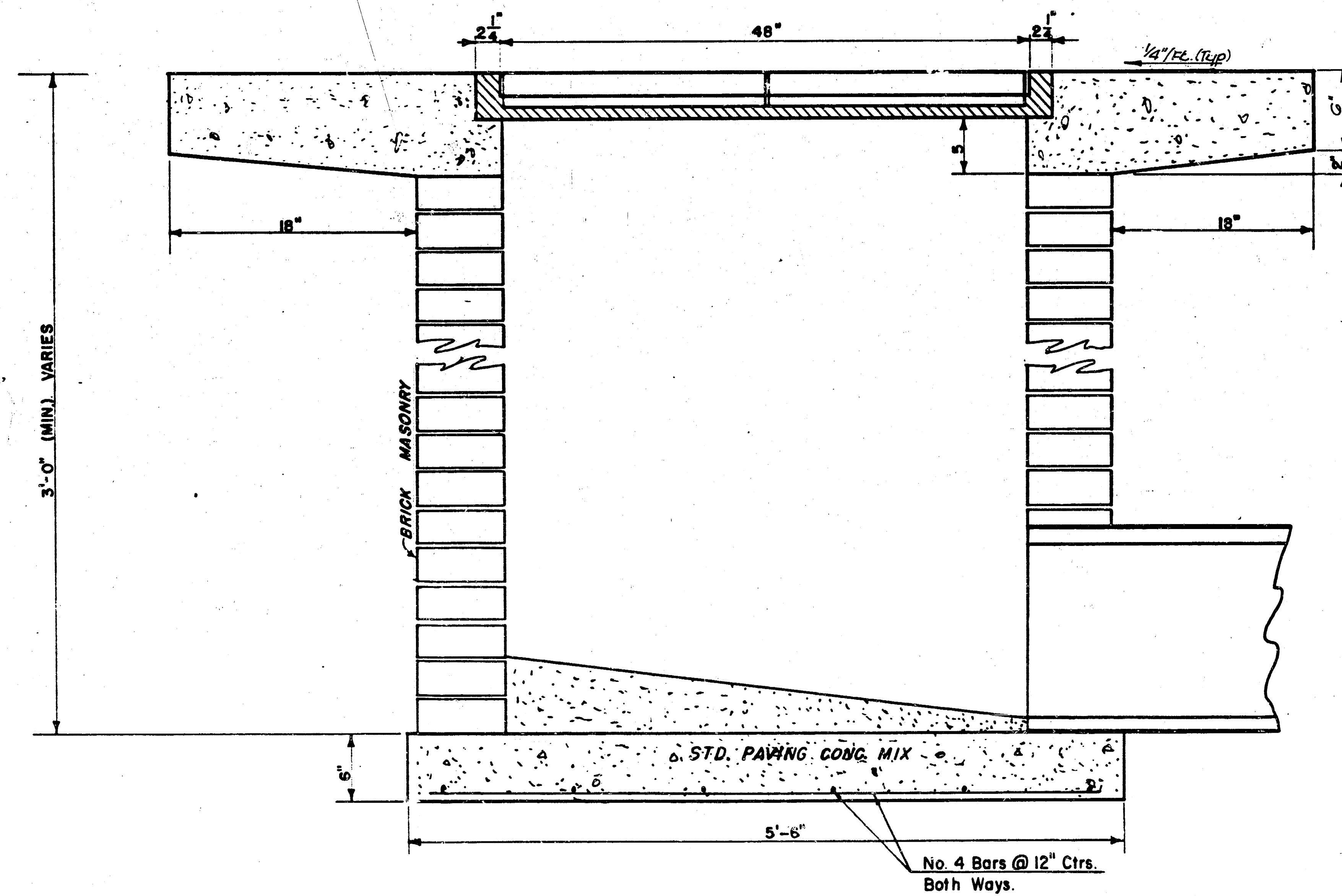
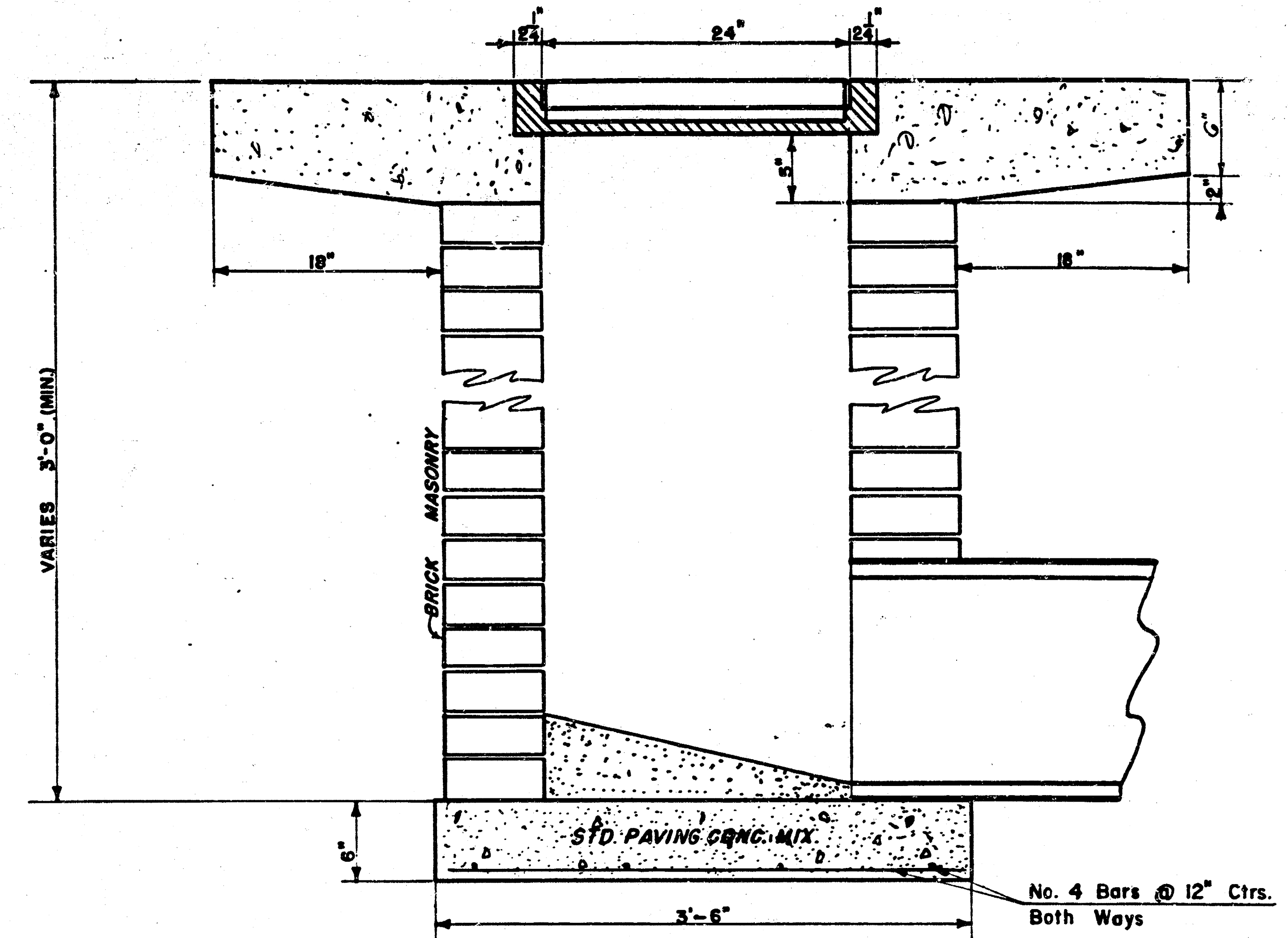
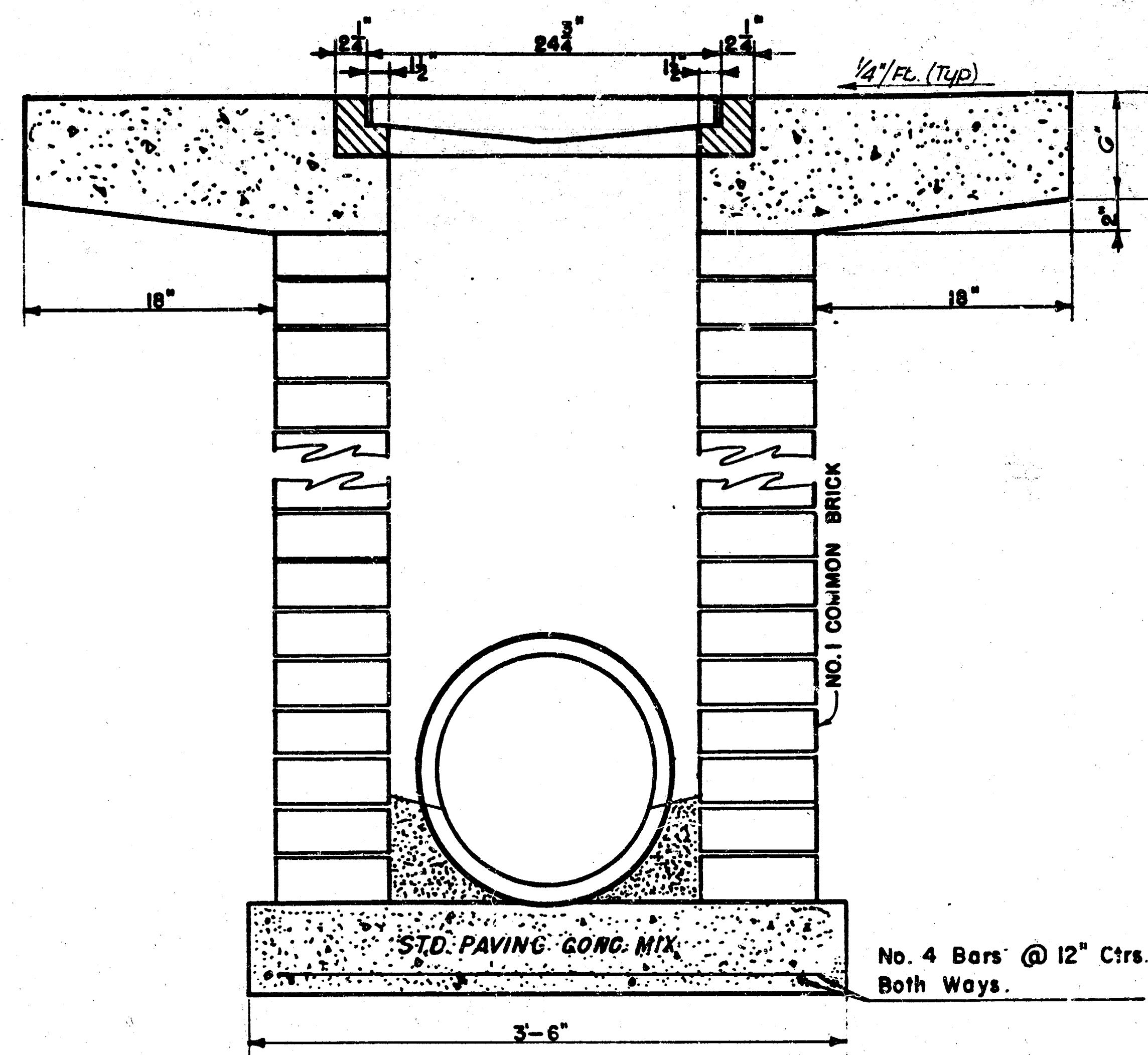
1



24"x24" Frame & Grate Detail



Double 24"x24" Frame Detail



DROP INLET DETAILS

M.E. Lindebak, City Engineer
City of Wichita, Kansas

Project

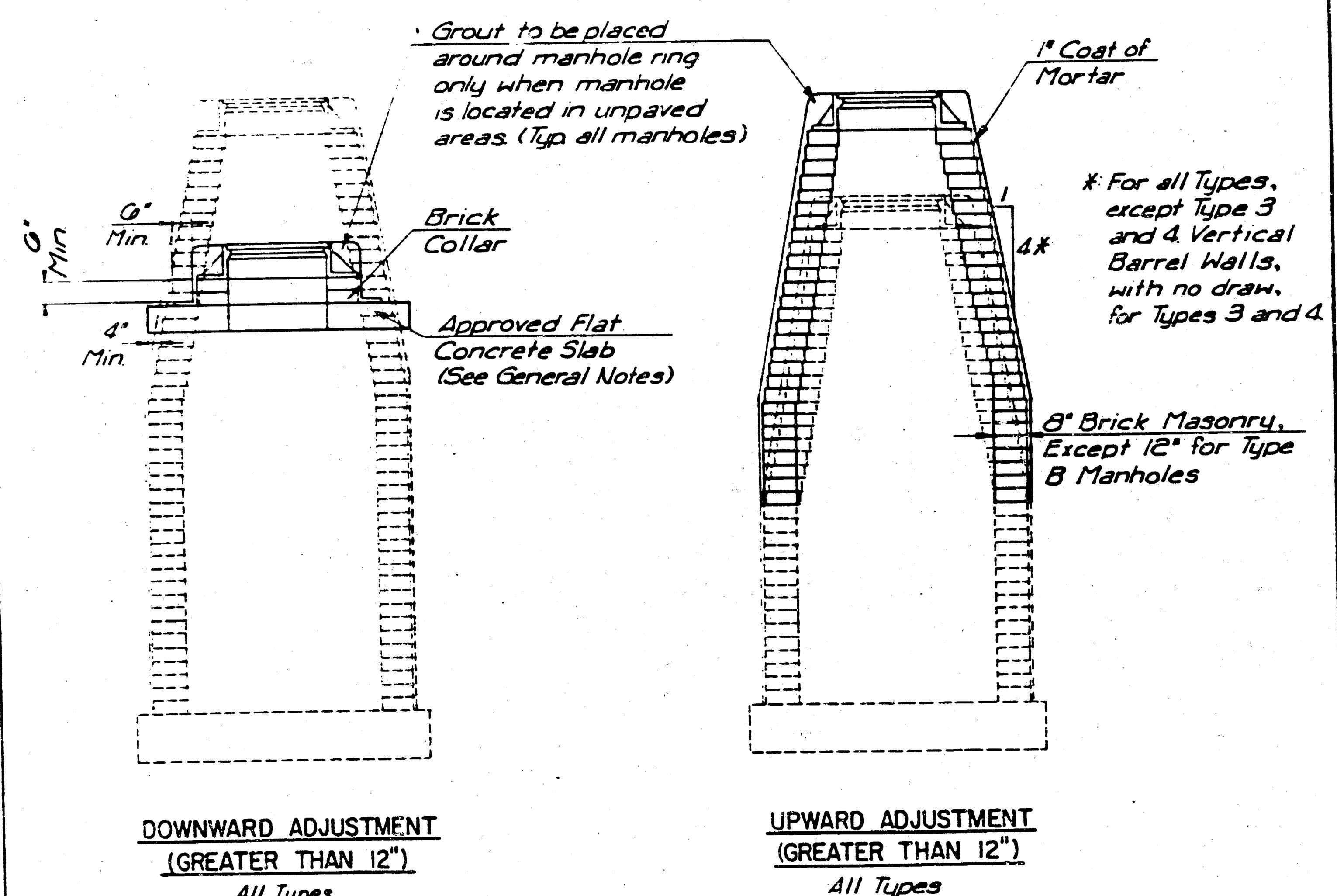
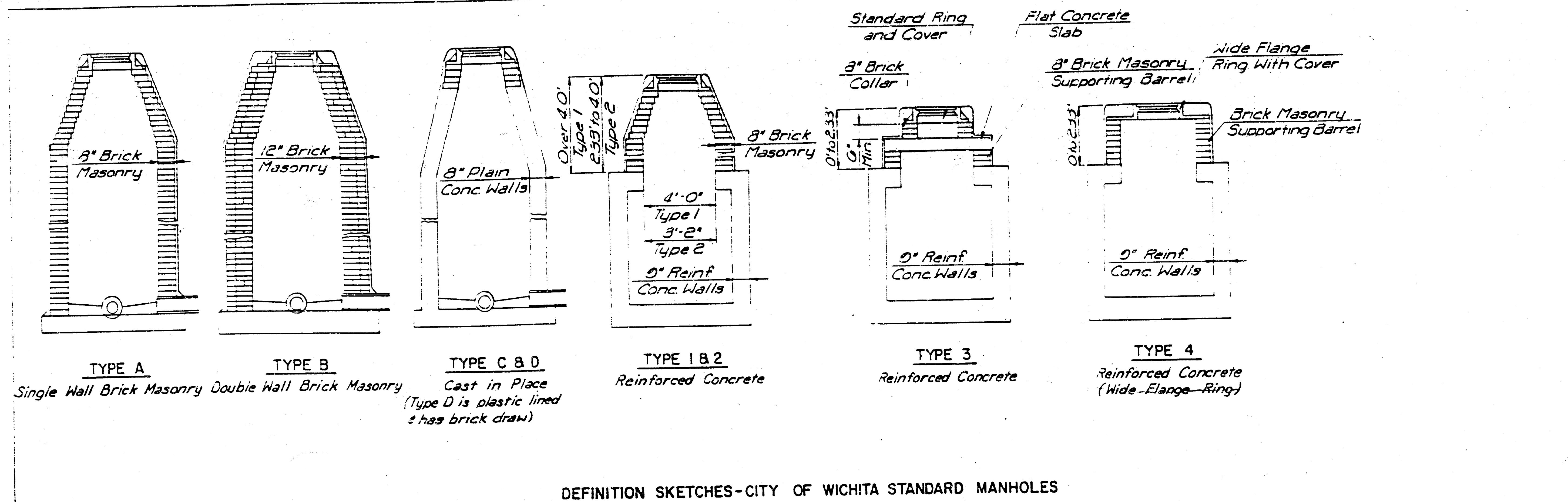
Project No. 472-76-245-81759-000-000-001
Date:

Scale: 1-1/2" = 1'-0"

7/9

7

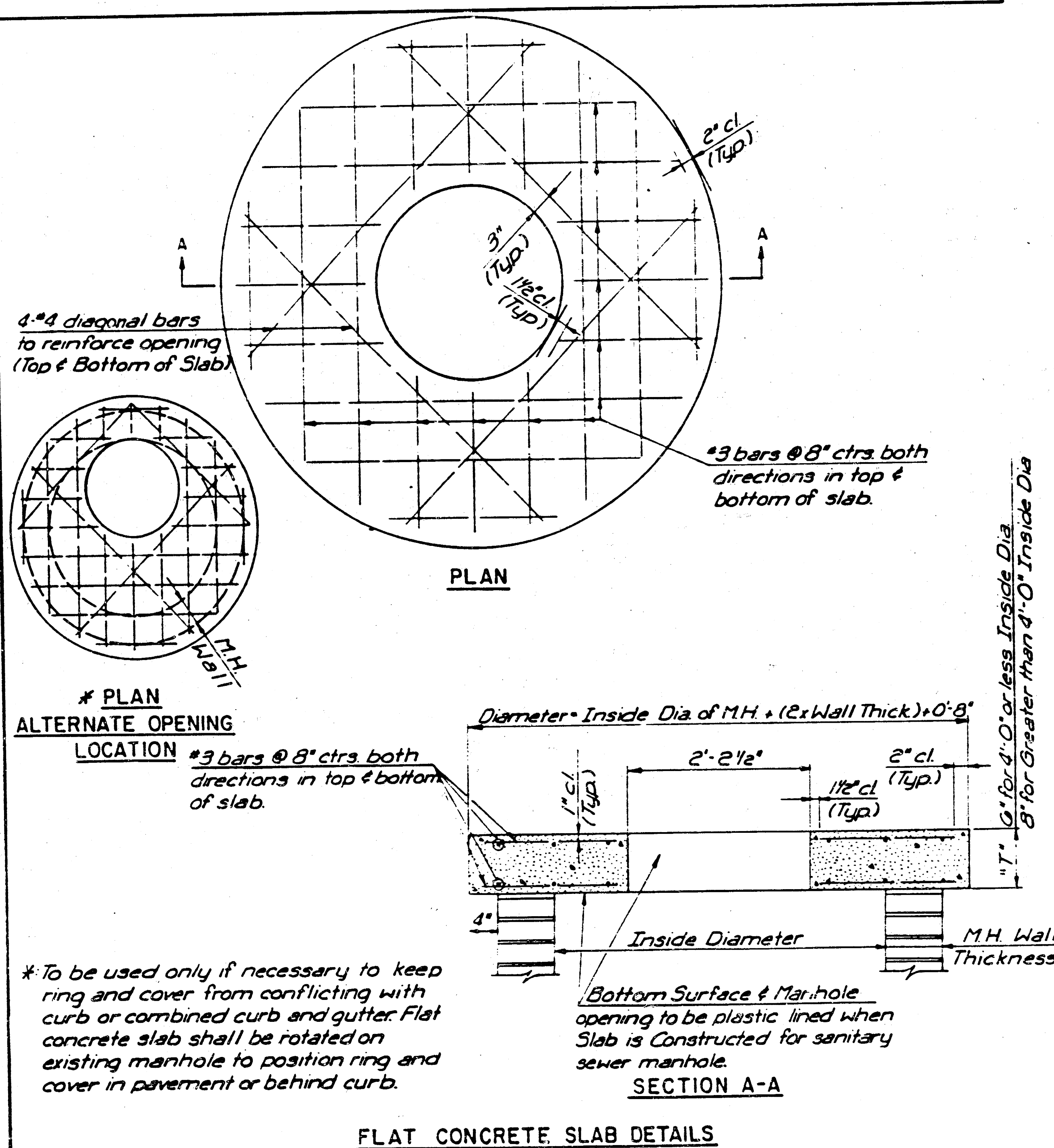
9



THE APPROPRIATE PORTIONS OF THE DRAW AND BARREL OF TYPE A, B, C, D, 1 AND 2 MANHOLES SHALL BE REMOVED. A FLAT CONCRETE SLAB SHALL BE PLACED AND THE RING AND COVER RESET. ALL WORK AND MATERIALS SHALL CONFORM TO THE DETAILS SHOWN AND THE GENERAL NOTES.

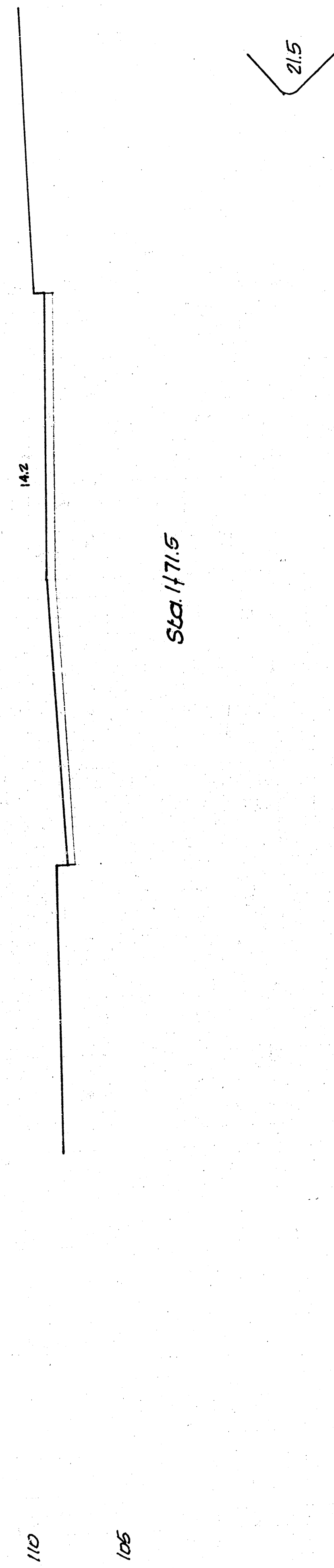
COURSES OF BRICK BARREL SUPPORTING THE WIDE FLANGE RING FOR TYPE 4 MANHOLES AND FLAT CONCRETE SLAB FOR TYPE 3 MANHOLES SHALL BE REMOVED AS NECESSARY PRIOR TO RESETTING THE WIDE FLANGE RING OR FLAT CONCRETE SLAB AND RING. ALL WORK AND MATERIALS SHALL CONFORM TO THE DETAILS SHOWN AND THE GENERAL NOTES.

THE ENTIRE DRAW OF TYPES A, B, C, D, 1 AND 2 MANHOLES SHALL BE REMOVED. THE MANHOLE BARREL RAISED THE APPROPRIATE AMOUNT, A NEW DRAW CONSTRUCTED, AND THE RING AND COVER RESET. THE UPPER PORTION OF TYPE 3 MANHOLES SHALL BE REMOVED TO THE BOTTOM OF THE FLAT CONCRETE SLAB, THE BRICK MASONRY BARREL SUPPORTING THE SLAB SHALL BE RAISED THE APPROPRIATE AMOUNT, AND THE SLAB AND RING AND COVER RESET. THE WIDE FLANGE RING AND COVER OF TYPE 4 MANHOLES SHALL BE REMOVED, THE BRICK MASONRY BARREL SUPPORTING THE RING SHALL BE RAISED THE APPROPRIATE AMOUNT AND THE RING AND COVER RESET. ALL WORK REQUIRED FOR A GREATER THAN TWELVE INCH (12") UPWARD ADJUSTMENT OF ANY MANHOLE SHALL BE ACCOMPLISHED WITH BRICK MASONRY IN ACCORDANCE WITH THE DETAILS SHOWN AND THE GENERAL NOTES.

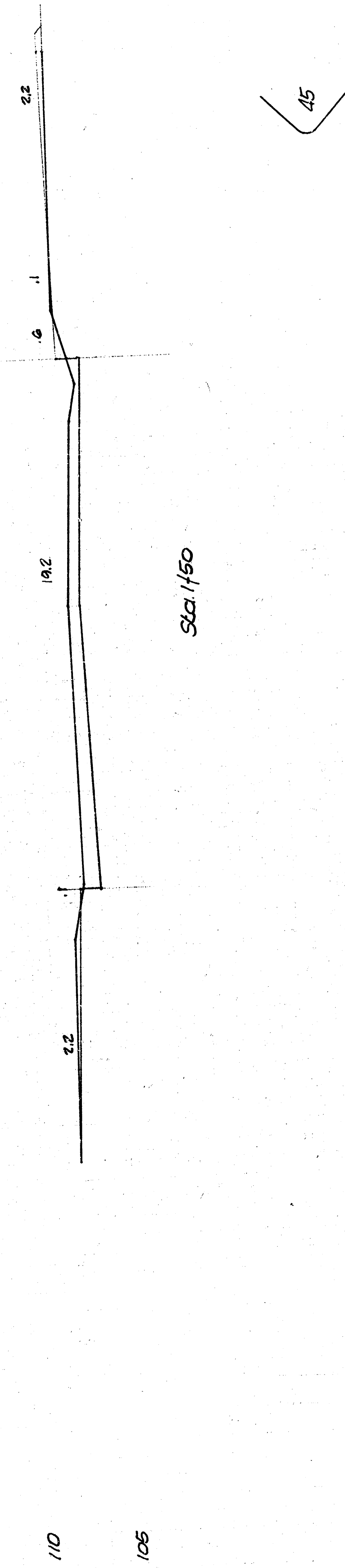


MANHOLE ADJUSTMENT DETAILS			
472-76-245-81759-000-000-001 8/9			
CITY OF WICHITA, KANSAS			
M. E. LINDEBAK - CITY ENGINEER			
Designed by	Checked by	8	
Drawn by	Date	JOB No.	9

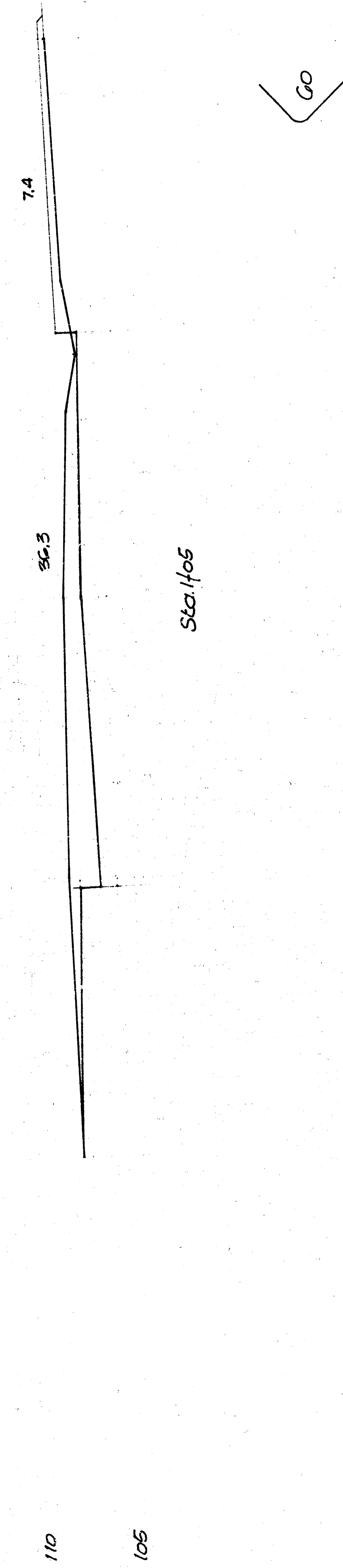
Earthwork Sections
Lacerte Ave.



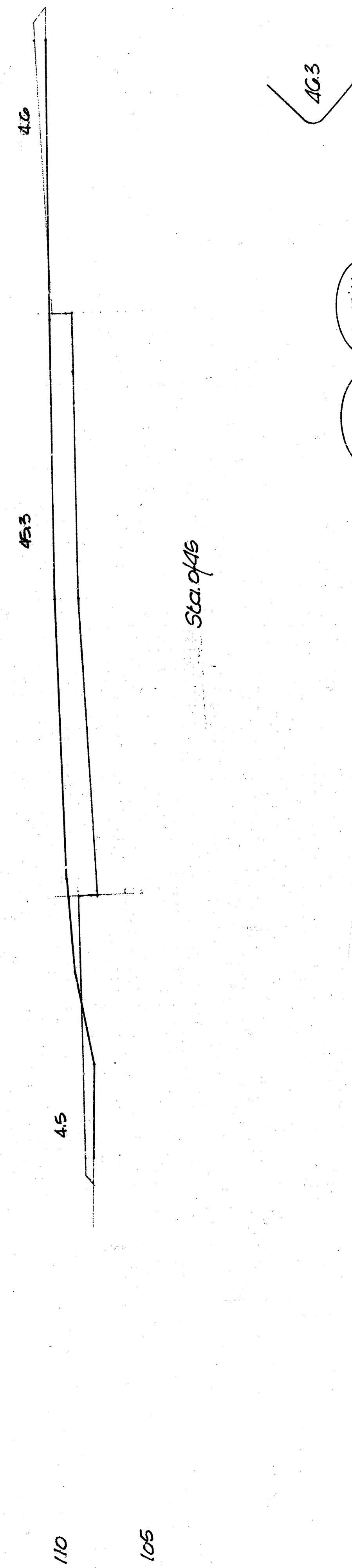
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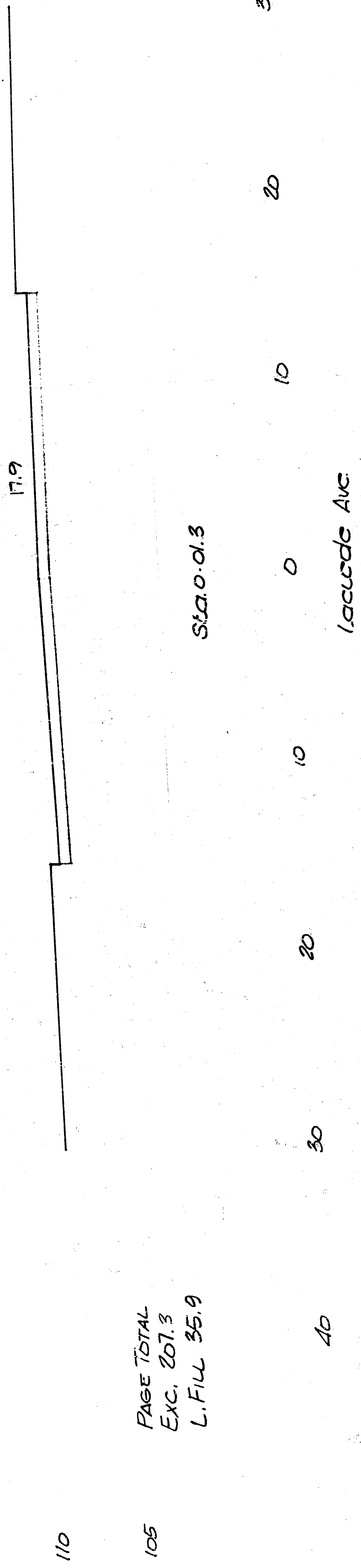
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Exc. 54.2
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