

General Notes

- Utility service lines, poles, valve boxes, meters et cetera 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. All disposal sites must be approved by the Kansas Department of Health and Environment. Material either stockpiled or disposed of in a flood plain would require a Kansas State Board of Agriculture permit. Any material dumped in waters of the United States or wetlands is subject to U.S. Corps of Engineers permitting regulations. Any material buried or stockpiled beyond approved construction limits would require additional archaeological investigations unless buried in a previously approved borrow location.
- A saw cut of at least one-half the depth of existing surface courses or one-fourth the depth of the existing total pavement thickness shall be provided at locations where proposed construction abuts an existing surface course or pavement for which partial removal of that surface or pavement is required. Sawed joint to facilitate removal within three (3) feet of existing joints will not be permitted and for such instances the limits of removal shall extend to the existing joint. Such saw cuts will not be paid for directly and this cost shall be considered as subsidiary to the removal of the surface or pavement.
- This project includes provisions for the construction of (a) driveways.
- 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.
- Contractor shall give property owners abutting this project, whose yards will be lower than the new finished grade elevations at the right-of-way line, an opportunity to utilize excess excavated material from the project to regrade their yards to drain to the new pavement. Contractor will be required to dump and spread the excess material as required by the specification when requested by the property owner. The Contractor shall ascertain that a dirt order form has been properly executed by the property owner before any such excess material is delivered to such properties.
- 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.
- The Contractor shall adjust Water Valve Boxes and Fire Hydrants as directed by the Engineer at the price bid for said adjustments. The Water Department shall 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.
- All areas disturbed by construction shall be seeded with "FESCUE" immediately following construction in that area at a rate of 350 lbs/acre.

- Contractor will be required to provide notice to utility companies a minimum of twenty-four (24) hours prior to any excavation, as follows:
 Kansas One-Call 687-2470
 The Contractor must notify the following in case of an emergency:
 Cablevision 262-4270
 or
 K.P.L. Gas Service Company 263-2061
 Kansas Gas & Electric Company 263-7511
 264-1141
 Arkla Gas Company 942-8350
 or
 Southwestern Bell Telephone Company 1-571-2611
 City of Wichita Water Department 268-4908
 City of Wichita Sewer Maintenance 268-4071

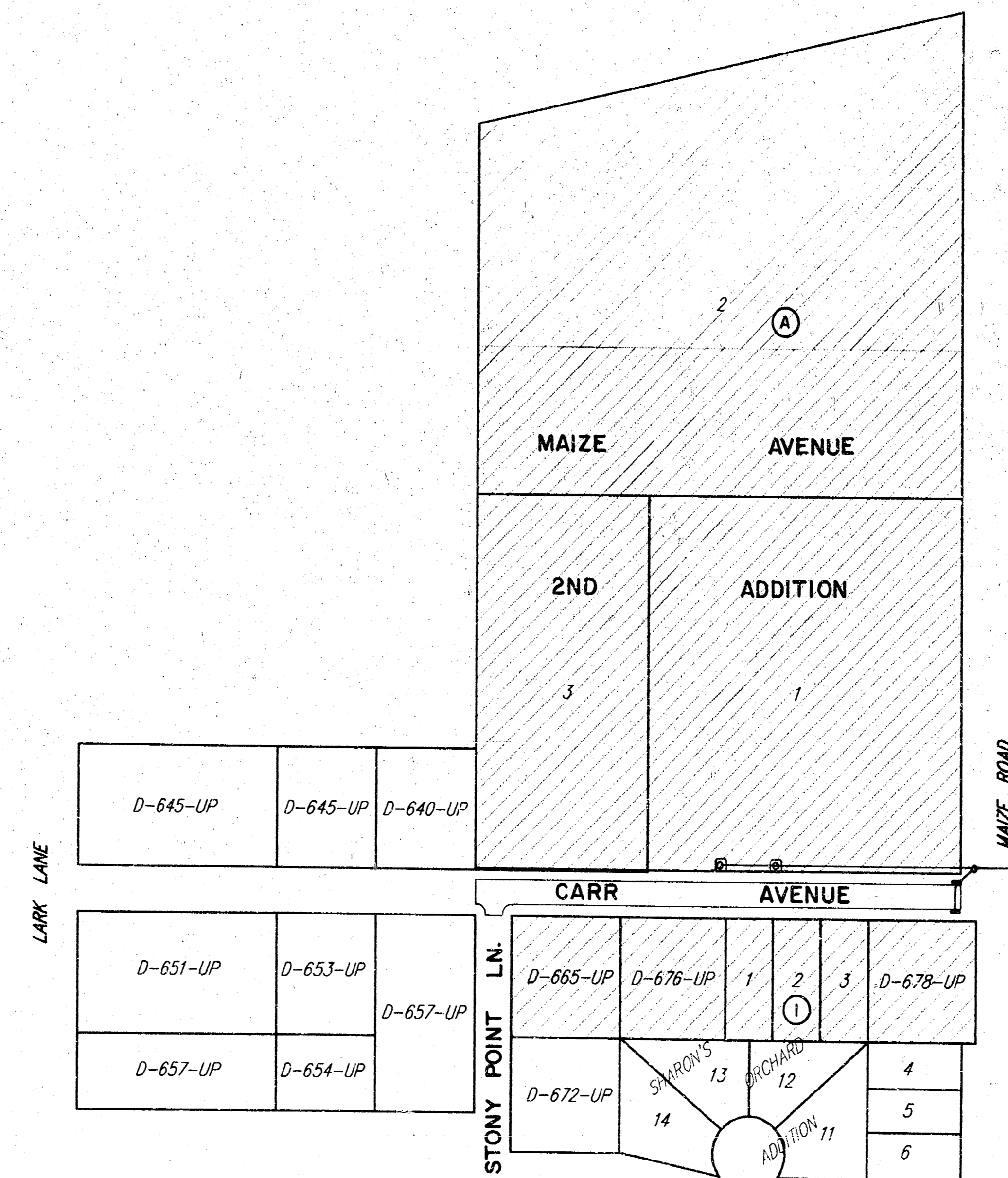
- The Contractor shall give all property owners and/or tenants of developed property abutting the project limits a minimum of ten (10) days advance notice prior to start of construction.
- Mailboxes within the limits of the project shall be removed and replaced by the Contractor as approved by the Engineer. Contractor will be required to make satisfactory provisions for mail delivery to properties affected by this project during its construction.
- Traffic shall not be carried through construction on this project. Contractor shall contact affected property owners along Carr Lane so appropriate arrangements can be made during construction.

STREET & STORM WATER IMPROVEMENTS TO
CARR AVENUE

Project Number
472-76-245-82433-000-000-001

Index Code
762344

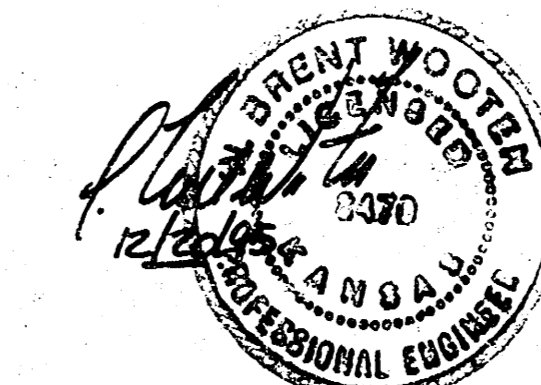
CITY OF WICHITA, KANSAS
 Michael E. Lindebak, City Engineer
 DECEMBER, 1995



Benefit District:

LINEAR FEET OF PAVING PROJECT = 663.7 L.F.
 EXCAVATION = 1182 CU.YDS
 BORROW = 0

INCIDENTAL DRAINAGE
 BOOKED
 8-12-96
 MEG
 D-302



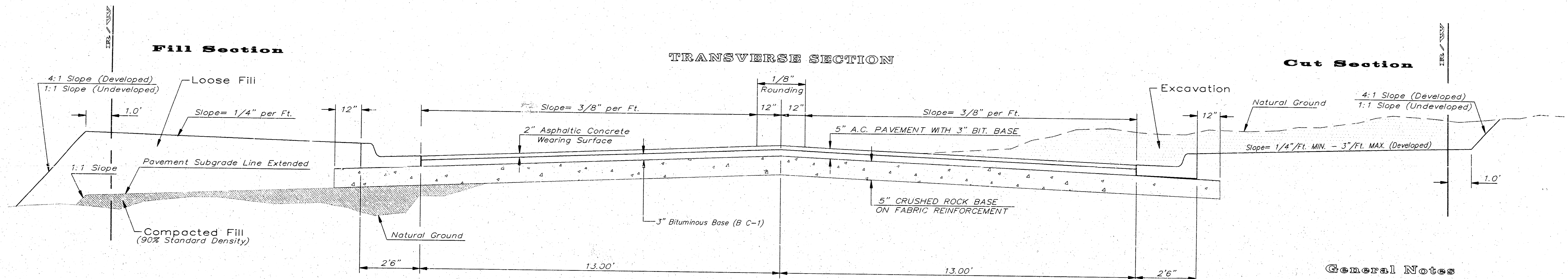
INDEX:

- TITLE SHEET
- 31' B-B TYP. PAV'T SECTION
- SNS ASSEMBLY DETAILS
- 5. CARR AVENUE PAVING PLAN
- EARTHWORK X-SECTIONS
- DRAINAGE PLAN
- DROP INLET DETAIL
- TYPE II INLET DETAIL
- VALLEY GUTTER DETAIL
- SPECIAL SHALLOW TYPE "A" MANHOLE DETAIL

Scale: 1" = 150'
 • = Iron

CARR AVENUE

TYPICAL 31' B-B PAVEMENT DETAILS

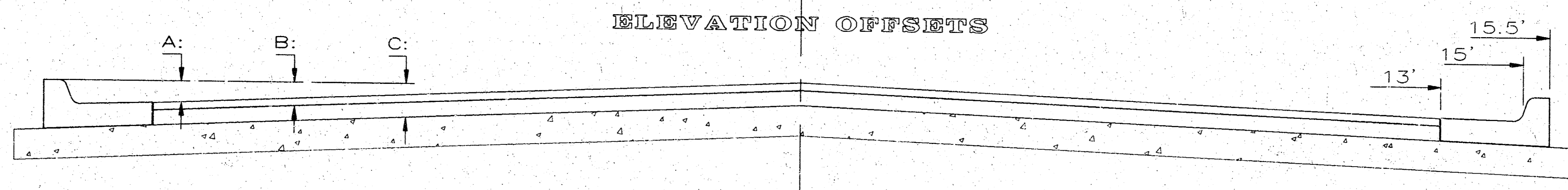


CRUSHED ROCK GRADATION REQUIREMENTS

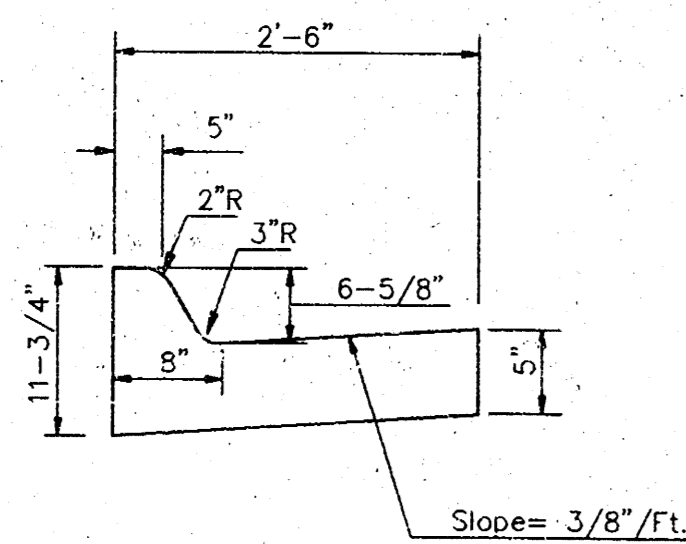
PERCENT OF AGGREGATE RETAINED

2-1/2"	0
3/4"	20 - 60
#4	50 - 80
#40	80 - 94
#200	90 - 98

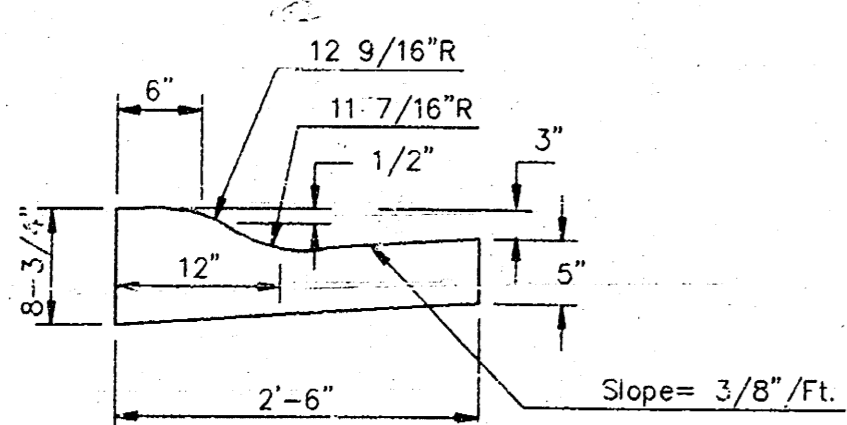
ROCK QUALITY SHALL CONFORM TO THE REQUIREMENTS SPECIFIED BY THE KDOT 1990 EDITION STANDARD SPECIFICATION SUBSECTION 1102 FOR DURABILITY CLASS 1.



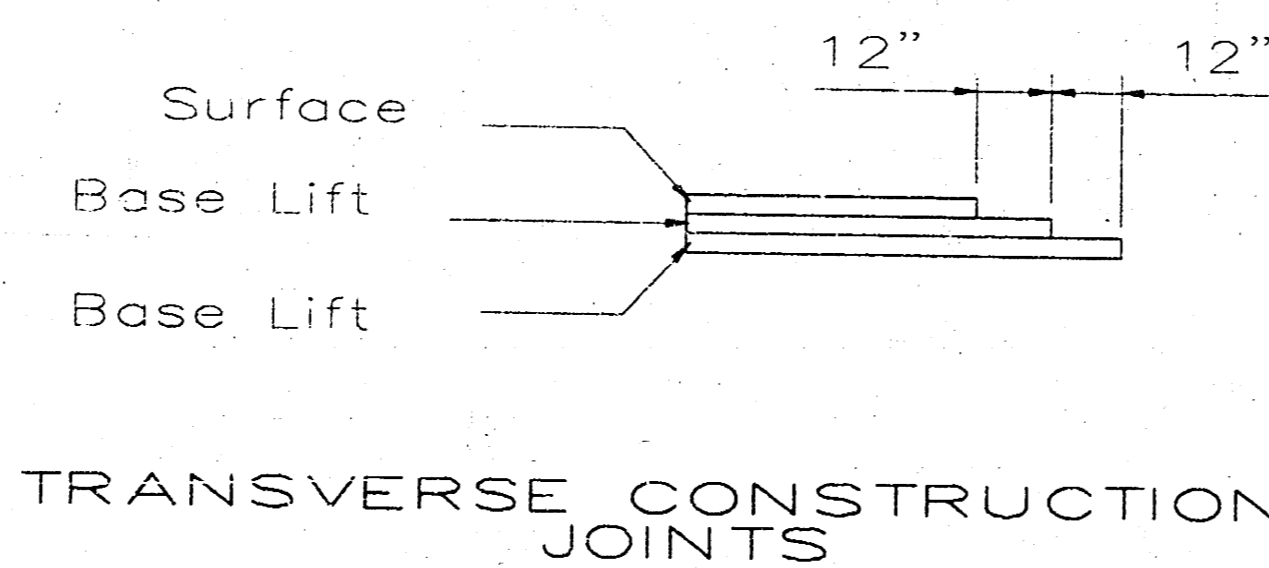
	0'	2'	4'	6'	7.5'	10'	12'	13'	15'	15.5'	16.5'
A: Top of Curbs to Top of Surface Lift	0.10	0.14	0.21	0.27	0.32	0.39	0.46	0.49	-	-	-
B: Top of Curbs to Top of Upper Base Lift	0.27	0.31	0.37	0.44	0.48	0.56	0.62	0.65	-	-	-
C: Top of Curbs to Top of C.R. Subgrade	0.52	0.56	0.62	0.69	0.73	0.81	0.87	0.90	0.97	0.98	1.01



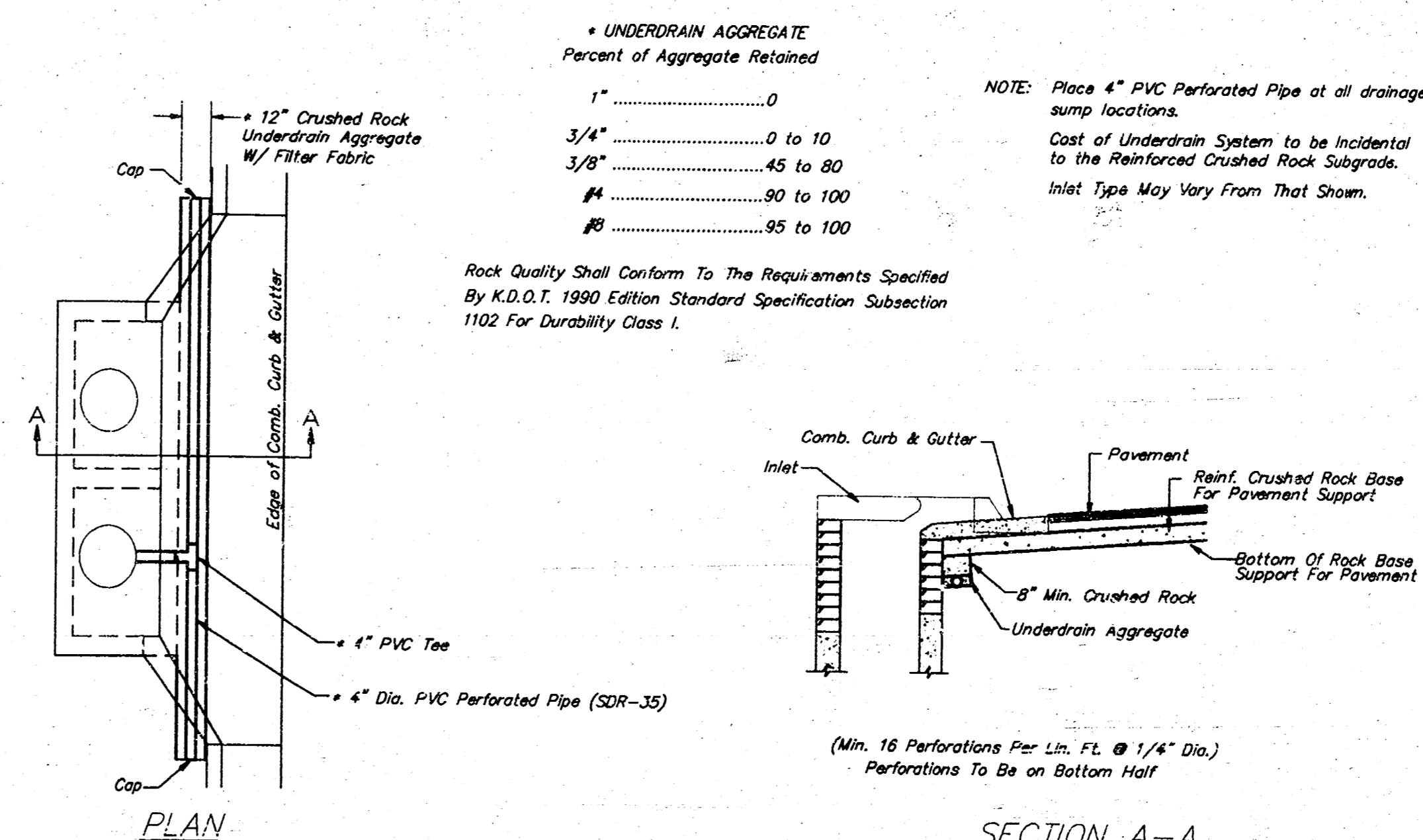
COMBINED CURB & GUTTER



COMBINED ROLL TYPE CURB & GUTTER



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 5\"/>



PAVEMENT UNDERDRAIN DETAIL
NOT TO SCALE

General Notes

FABRIC BASE REINFORCEMENT SHALL BE B X 1100 BY TENSAR CORPORATION OR LB0201 BY TENAX CORPORATION OR APPROVED EQUAL. FABRIC BASE REINFORCEMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

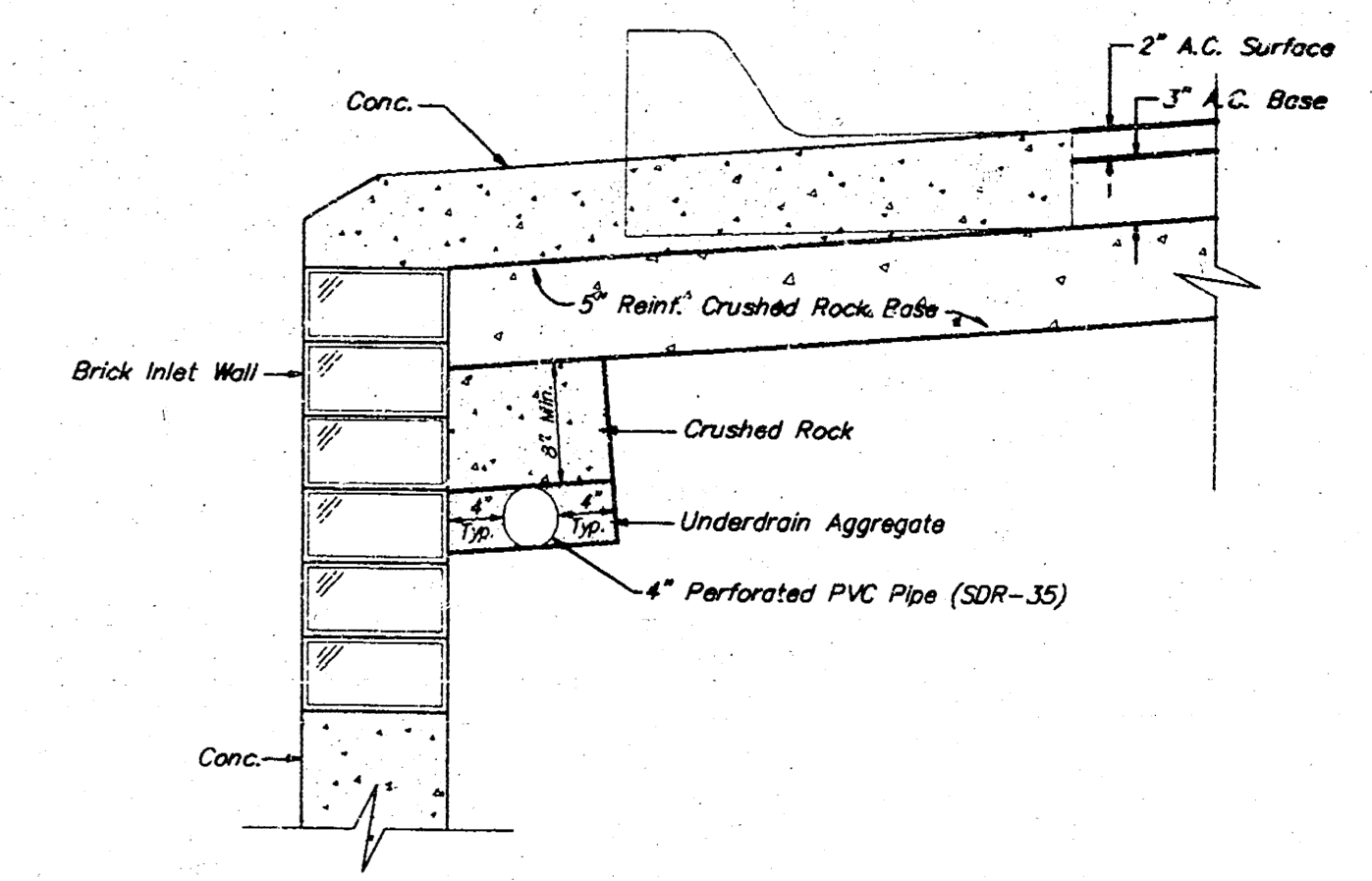
ROCK BASE IS TO BE COMPACTED AND SMOOTHED WITH A STEEL FACED ROLLER PRIOR TO PLACEMENT OF ASPHALT. TACK COAT WILL NOT BE APPLIED TO ROCK BASE.

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.

BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.

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.

THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 5\"/>



TRENCH DRAIN DETAIL FOR RES. STREETS
NOT TO SCALE

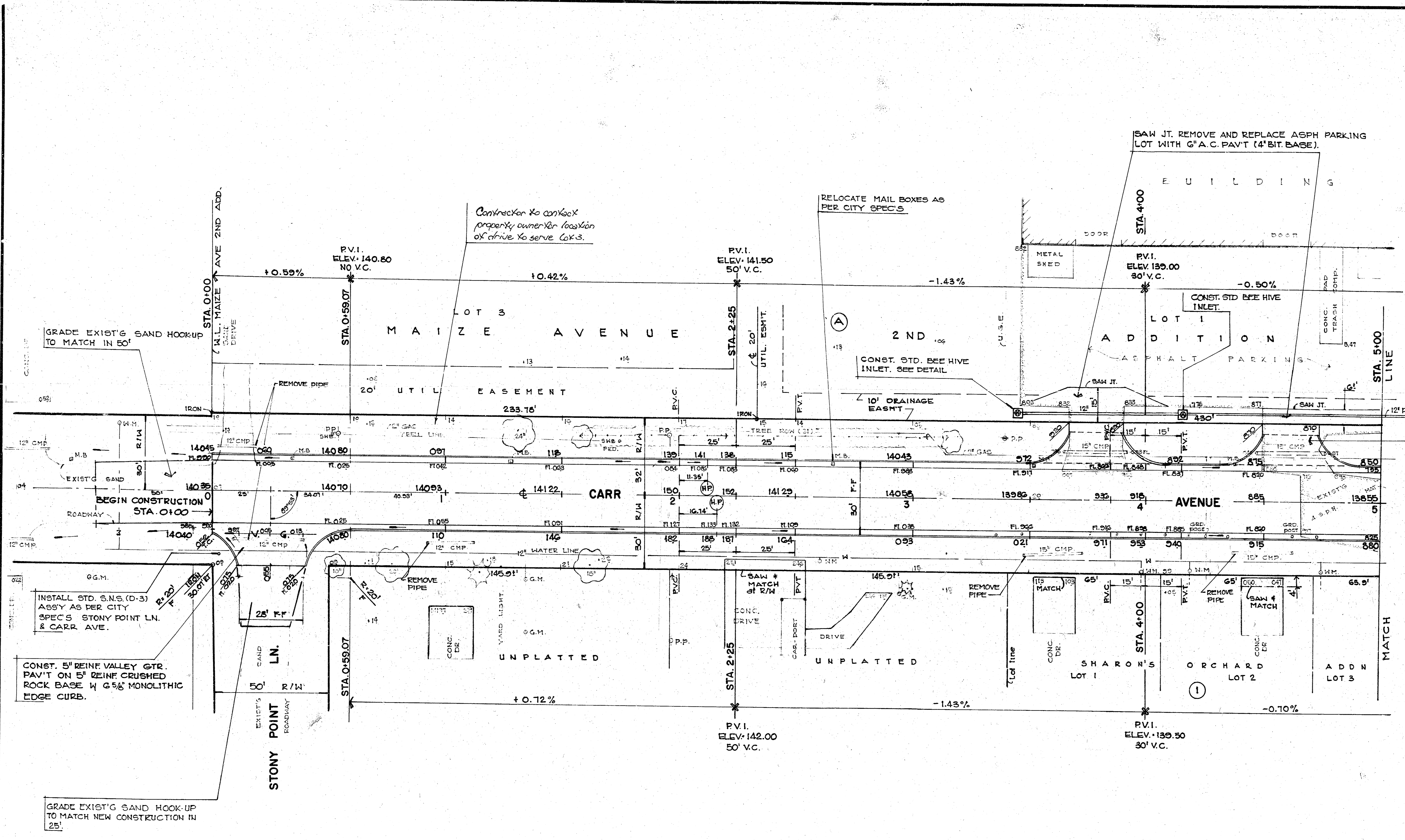
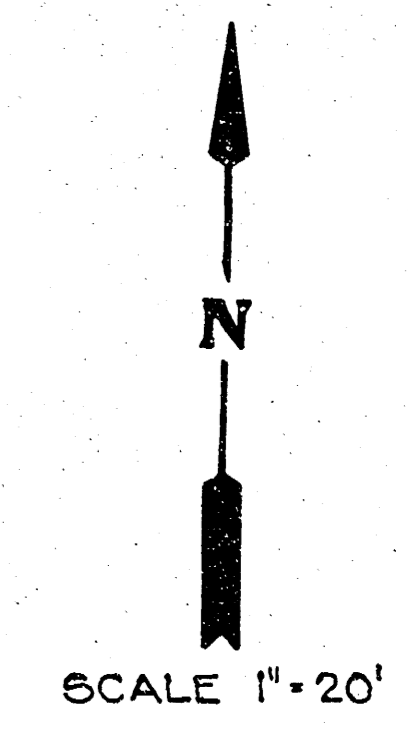
5 INCH Residential Asphaltic Concrete
Pavement w/ Crushed Rock Base on Fabric Reinforcement
City of Wichita, Kansas

BAUGHMAN COMPANY P. A.
ENGINEERING, SURVEYING, & PLANNING
318-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER
472-73-245-82433-000-000-001

DESIGN C.O.W.	DRAWN Staff	APPROVED B	DATE	SCALE	SHEET 2 OF 11
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CARR 1/1/2008



CONST. 5' CONC. DRIVEWAY PAV'T. 20' RAD. TYPICAL FOR LOT 1, BLK A, MAIZE AVE 2ND ADD. (ONLY).

INSTALL STD. S.N.S. (D-3) ASSY AS PER CITY SPEC'S STONY POINT LN. & CARR. AVE.

CONST. 5" REINF. VALLEY GTR. PAV'T ON 5" REINF. CRUSHED ROCK BASE W/ 6 5/8" MONOLITHIC EDGE CURB.

GRADE EXIST'G SAND HOOK-UP TO MATCH NEW CONSTRUCTION IN 25'.

Contractor to contact property owner for location of drive to serve Cox's.

RELOCATE MAIL BOXES AS PER CITY SPEC'S

SAW JT. REMOVE AND REPLACE ASPH PARKING LOT WITH G.A.C. PAV'T (4" BIT BASE).

CONST. STD. BEE HIVE INLET. SEE DETAIL.

10' DRAINAGE EASMT.

CONST. STD. BEE HIVE INLET.

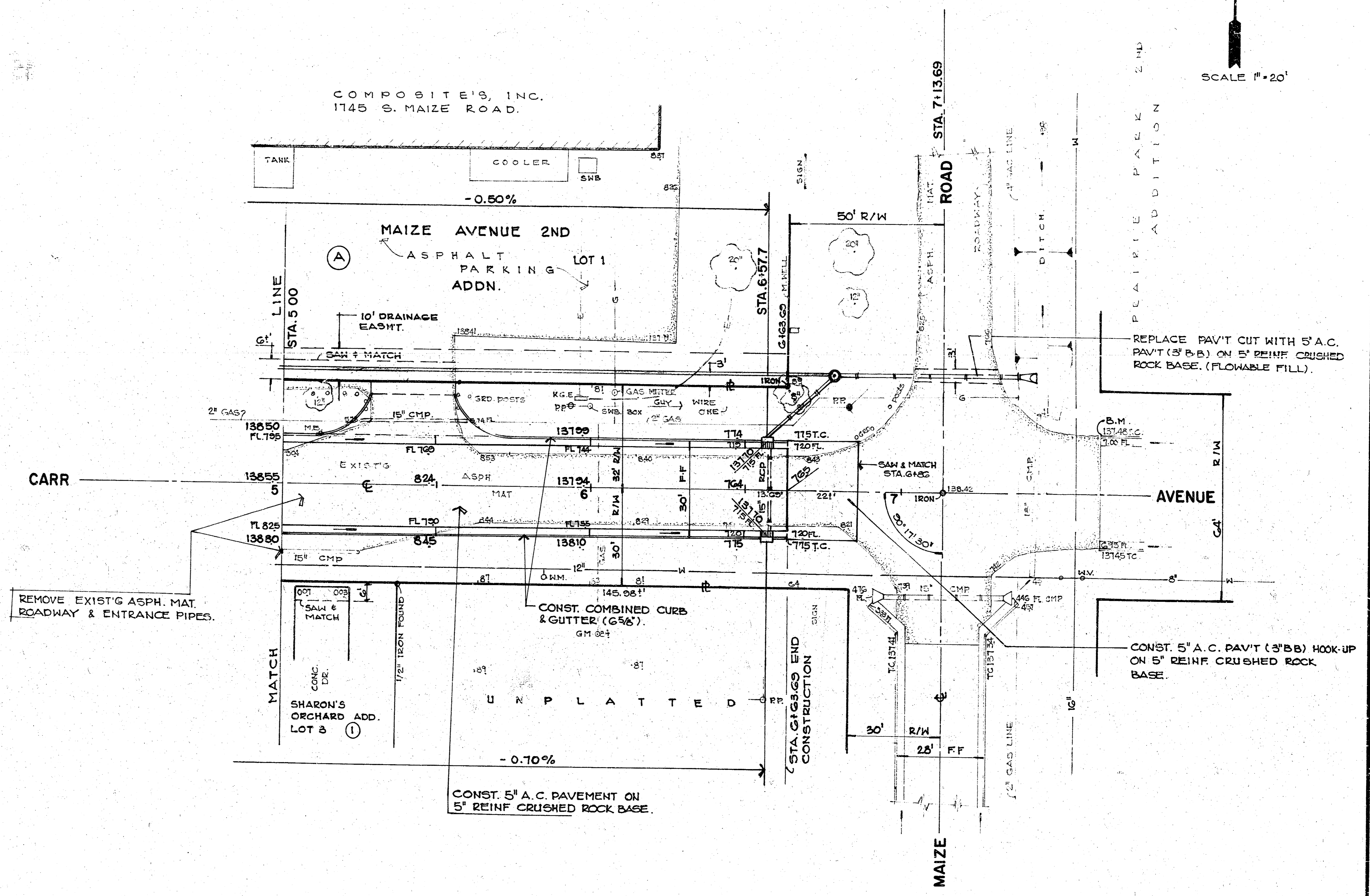
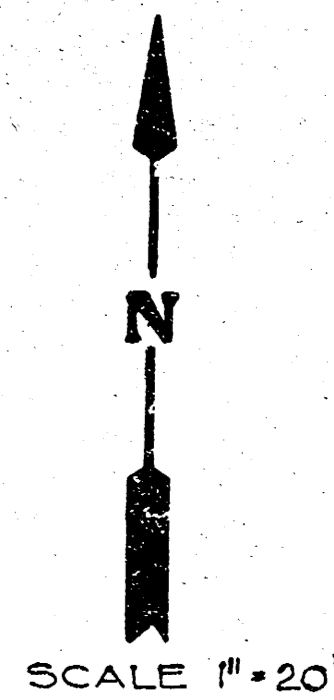
UNPLATTED

UNPLATTED

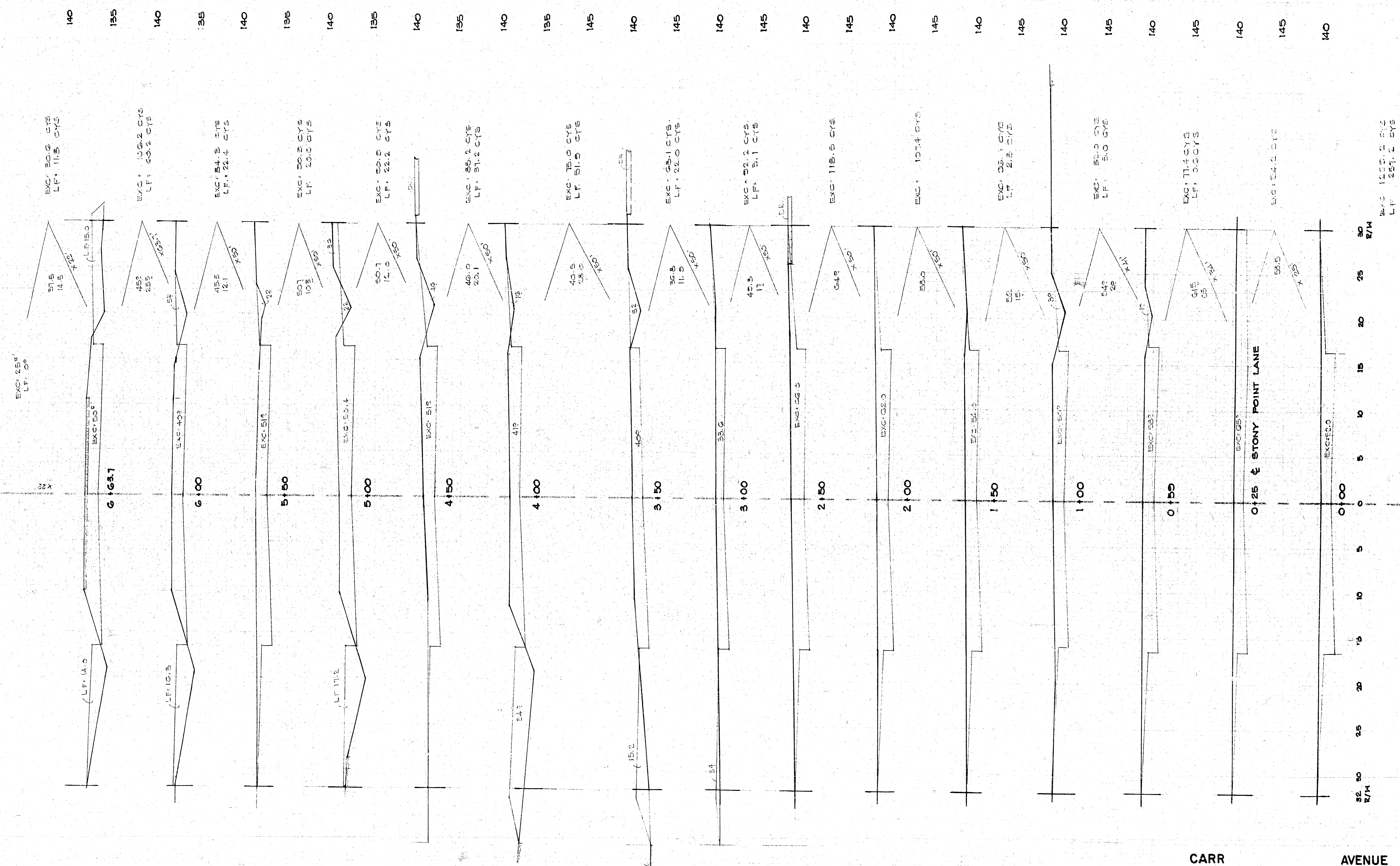
EARTHWORK TOTALS
 EXCAVATION = 1258.2 cu.yds
 A.C. MAT VOL. = 11.7
 TOTAL = 1181.5 cu.yds

CARR AVENUE	
W.L. MAIZE AVENUE 2ND ADDITION. To MAIZE ROAD	
BAUGHMAN COMPANY P. A.	
ENGINEERING & SURVEYING	
318-282-7271 • 315 ELLIS • WICHITA, KANSAS 67211	
PROJECT NUMBER	472-76-245-82433-000-000-001
DESIGNER	DATE
DRAWN	APPROVED
SCALE	1" = 20'
SHEET	4 OF 11

B.M. 'D' CUT, TOP CURB, NE. CORNER MAIZE ROAD & CARR AVENUE. ELEV. 131.48 CITY DATUM.



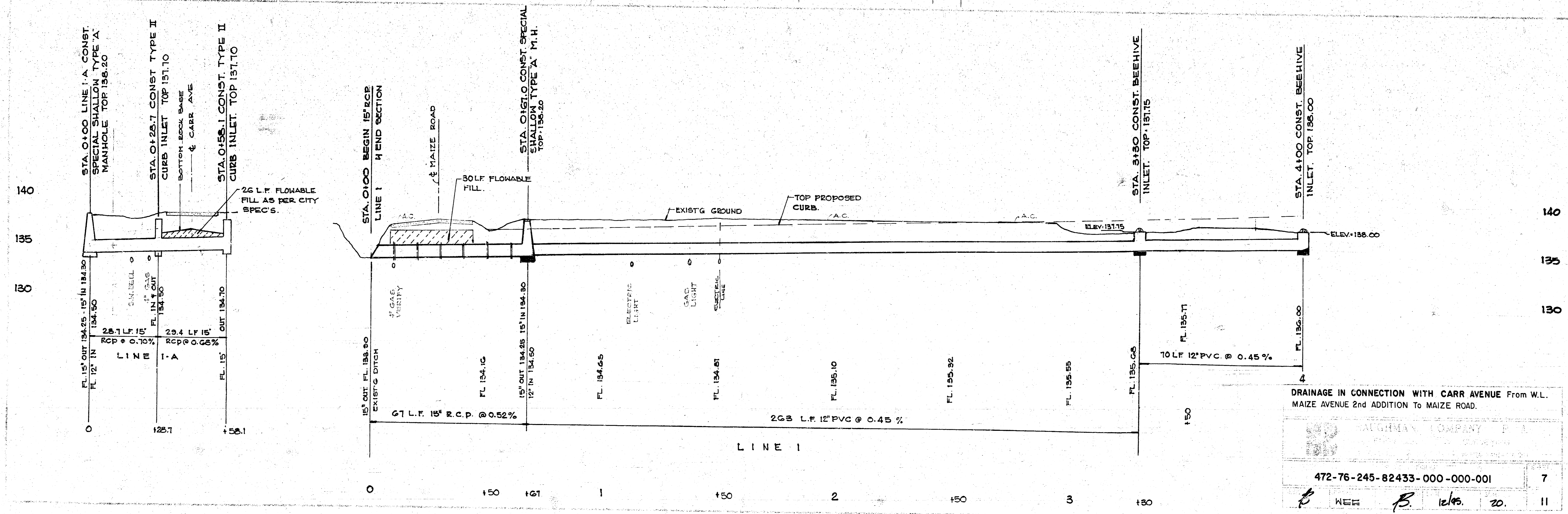
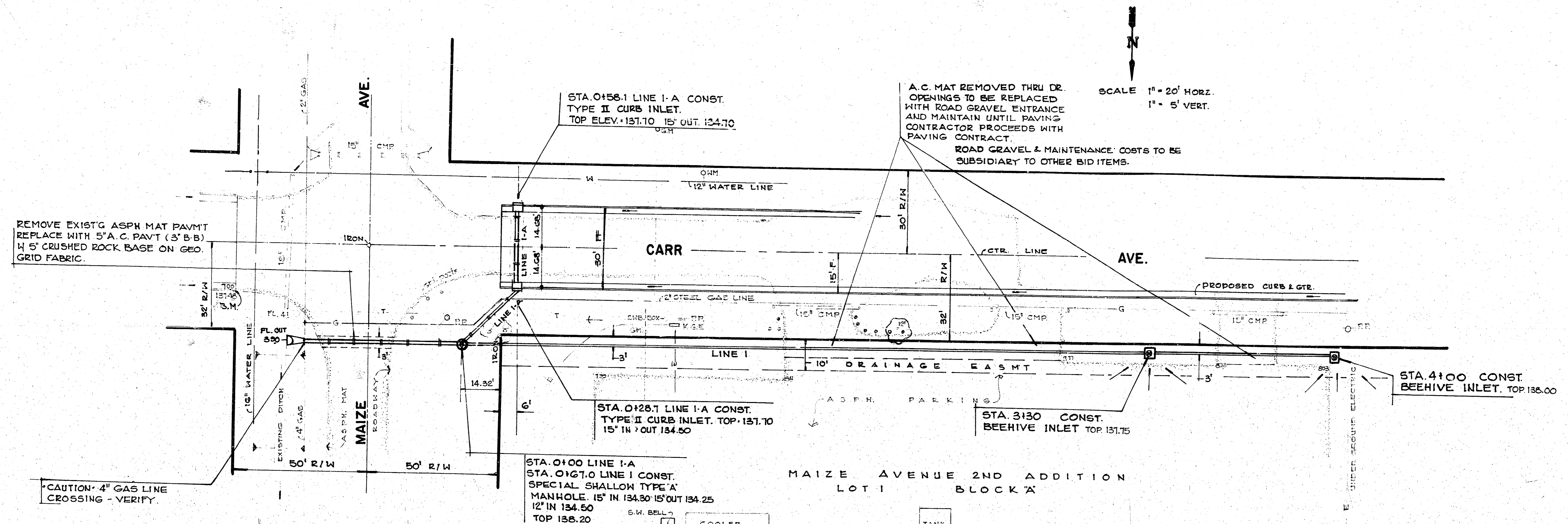
CARR AVENUE	
W.L. MAIZE AVENUE 2ND ADDITION. To MAIZE ROAD	
BAUGHMAN COMPANY P.A.	
ENGINEERING & SURVEYING	
318-262-7271 • 318 ELLIS • WICHITA, KANSAS 67211	
PROJECT NUMBER	
472-76-245-82433-000-000-001	
DESIGNER	SHEET
DRAWN	5
DATE	11
SCALE	1" = 20'



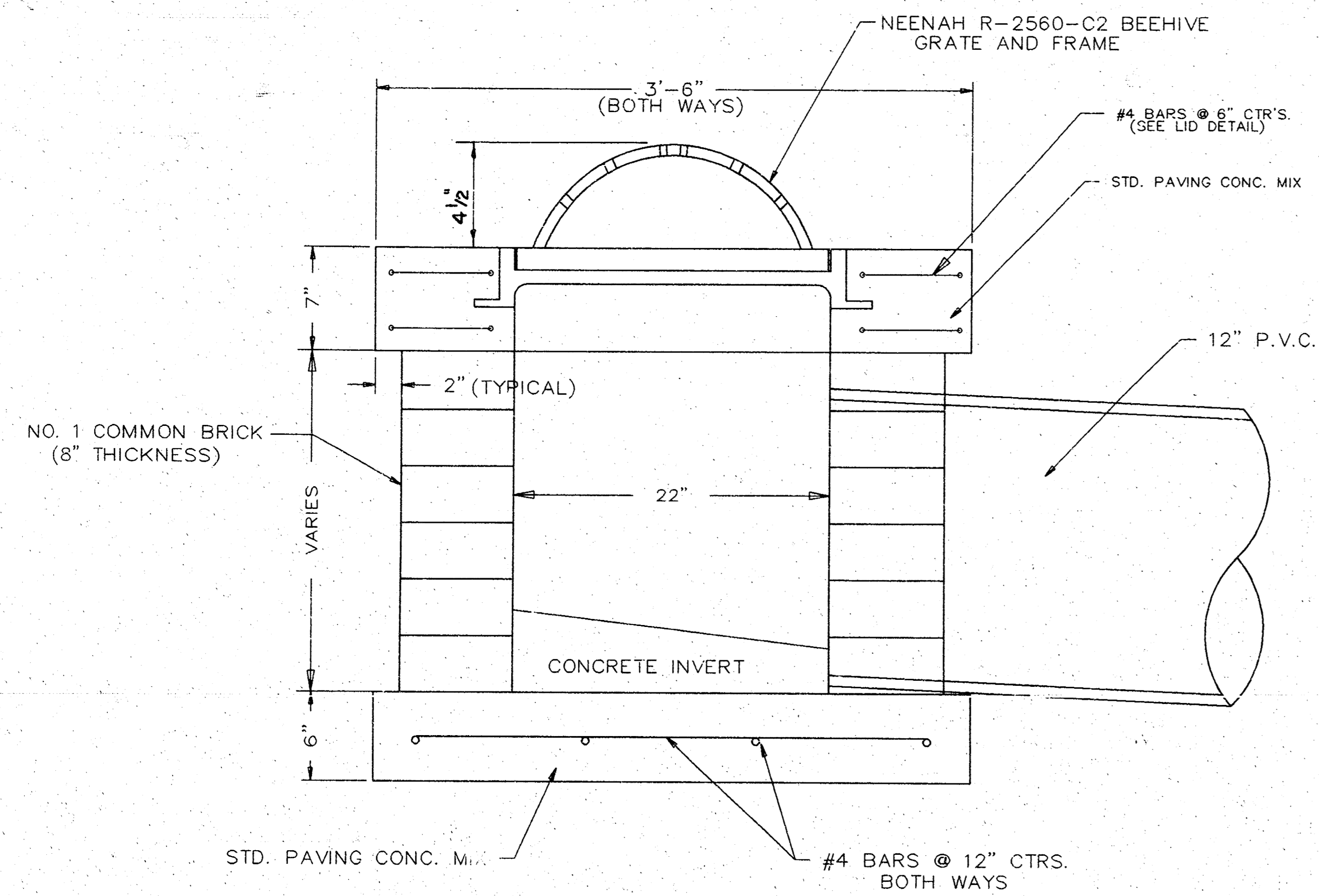
CARR AVENUE

BAUGHMAN COMPANY P.A.
 ENGINEERING & SURVEYING
 16720 32ND ST. W. SUITE 100 WILMOTA, MISSOURI 64187
 472-76-245-82433-000-000-001

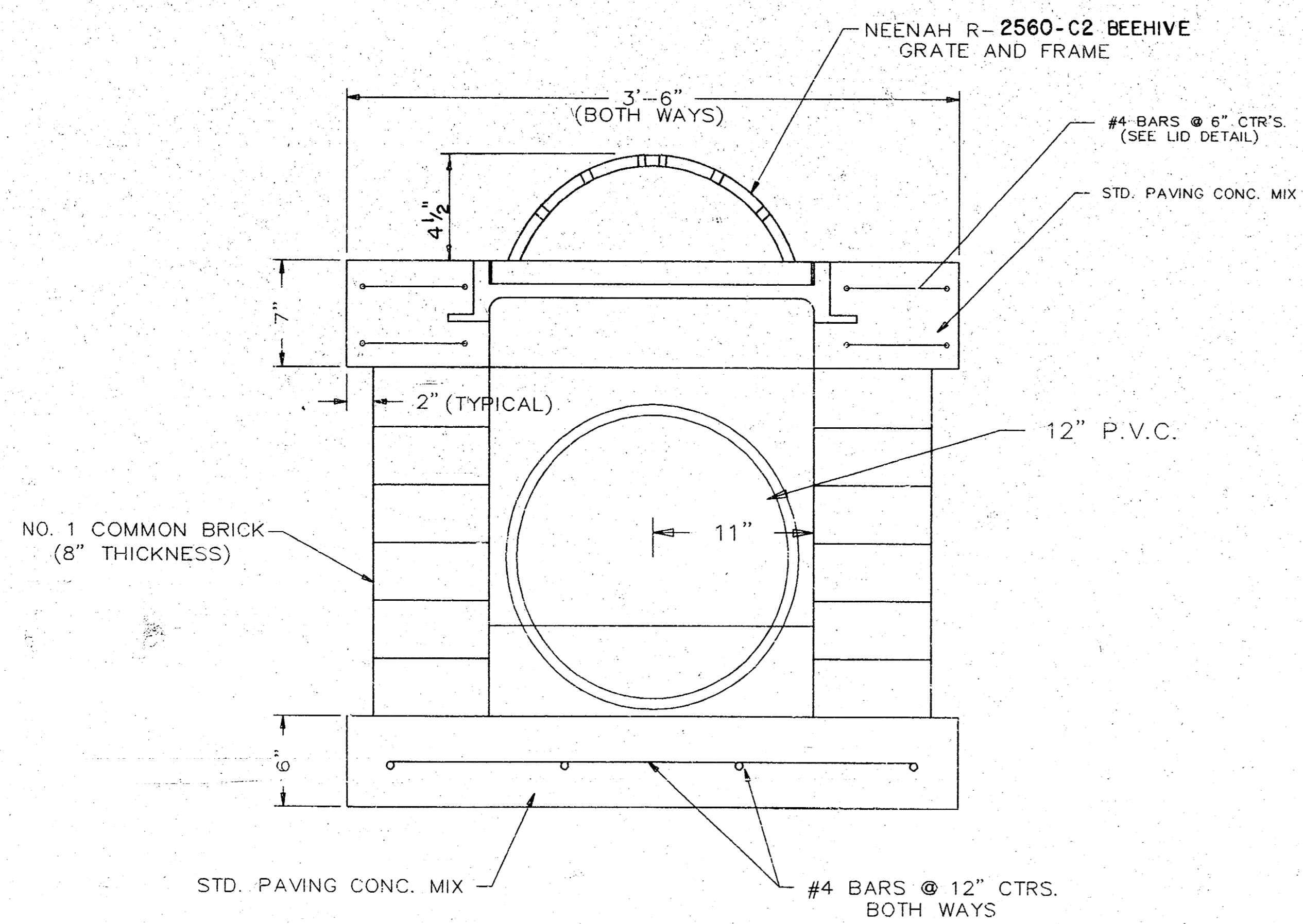
B.M. 'D' CUT TOP CURB, N.E. CORNER MAIZE ROAD & CARR AVE. ELEV. 131.48 CITY DATUM.



DRAINAGE IN CONNECTION WITH CARR AVENUE From W.L. MAIZE AVENUE 2nd ADDITION To MAIZE ROAD.			
ALPHAM COMPANY			
472-76-245-82433-000-000-001			
			7
12/15/20			11



SIDE VIEW



VIEW FROM CURB LINE

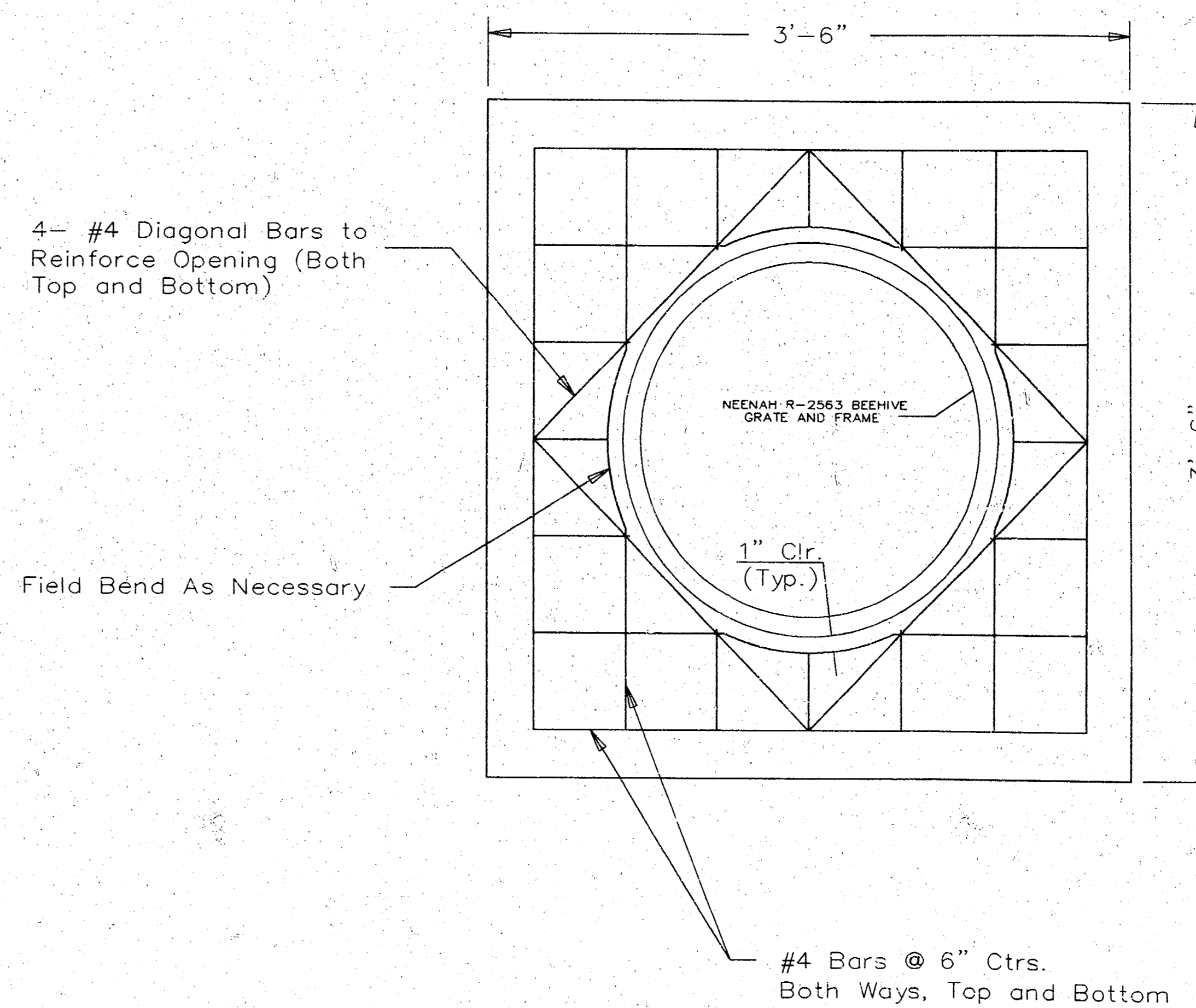
GENERAL NOTES

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.

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.

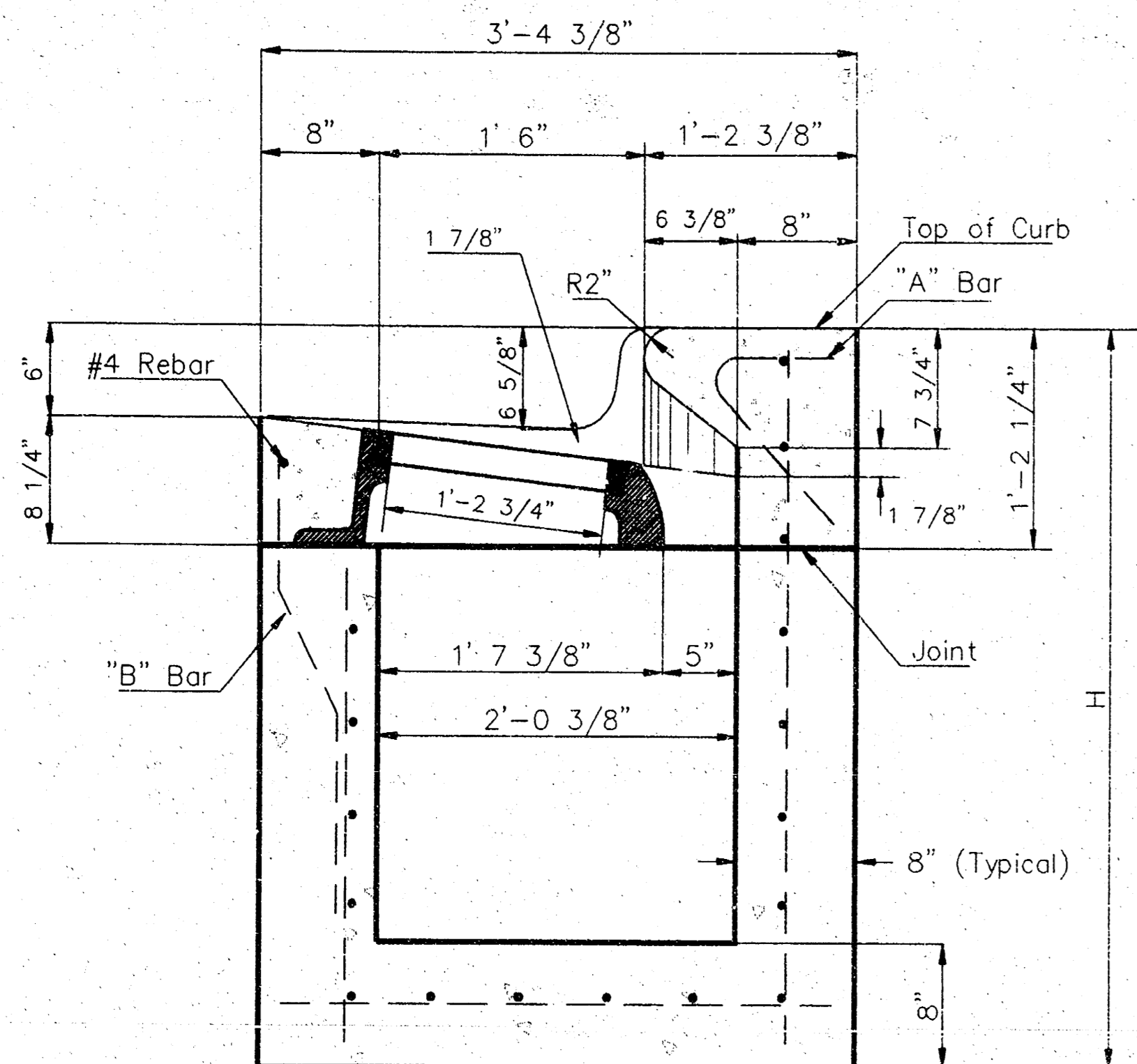
INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS. BARS IN INLET TOP TO BE FIELD BENT OR CUT TO CLEAR BEEHIVE MANHOLE INLET RING.

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

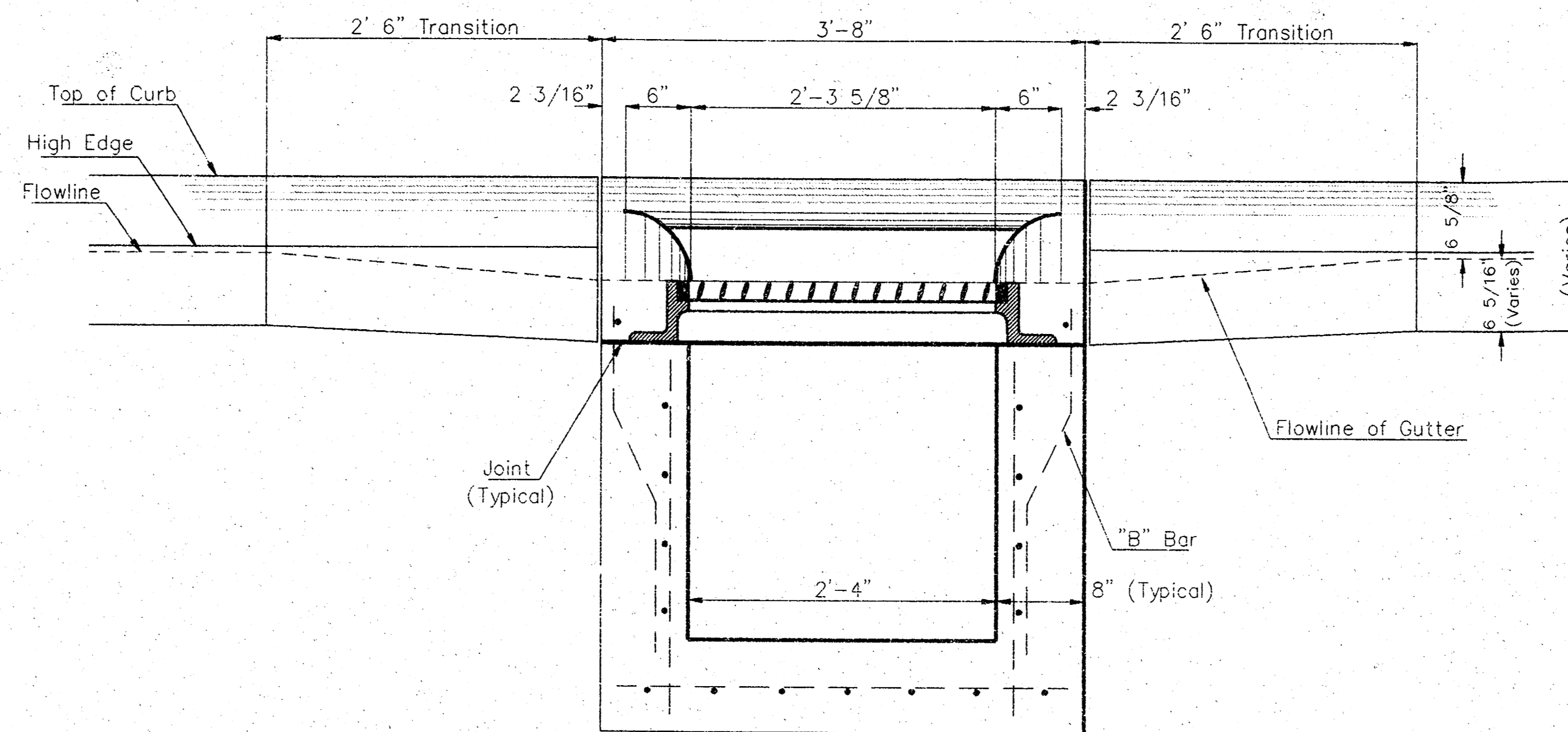


LID REINFORCEMENT DETAIL

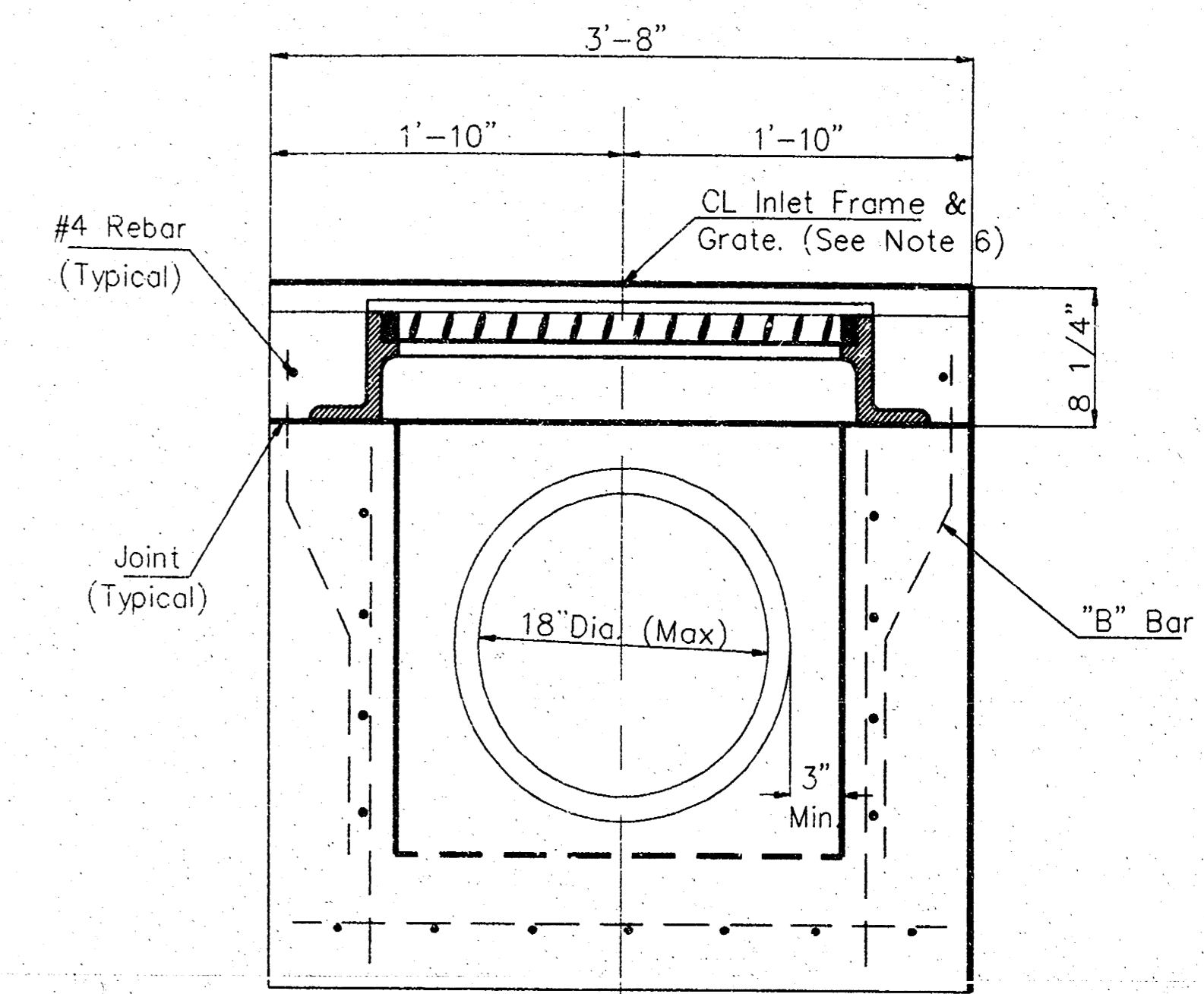
BEEHIVE INLET DETAIL				
B	BAUGHMAN COMPANY P. A. SURVEYING & ENGINEERING 315/252-7271 • 315 ELLIS • WICHITA, KANSAS 67211			REV.
	PROJECT NUMBER 472-76-245-82433-000-000-001			SHEET 8
DESIGN <i>P</i>	DRAWN	APPROVED <i>B</i>	DATE	SCALE 11



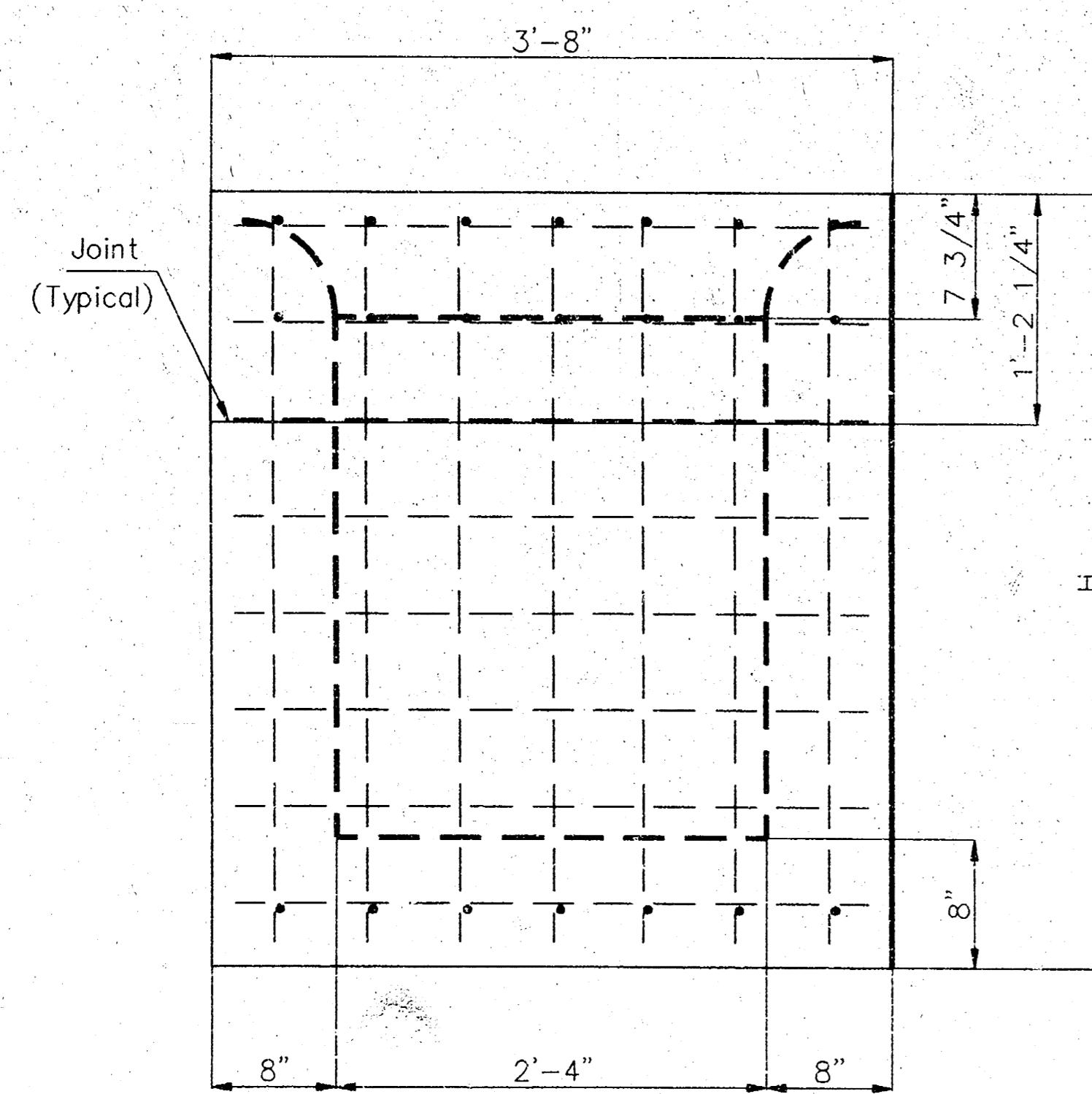
SECTION A-A



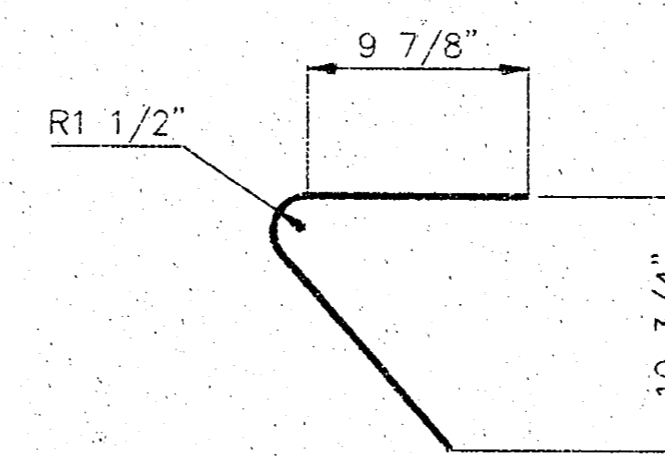
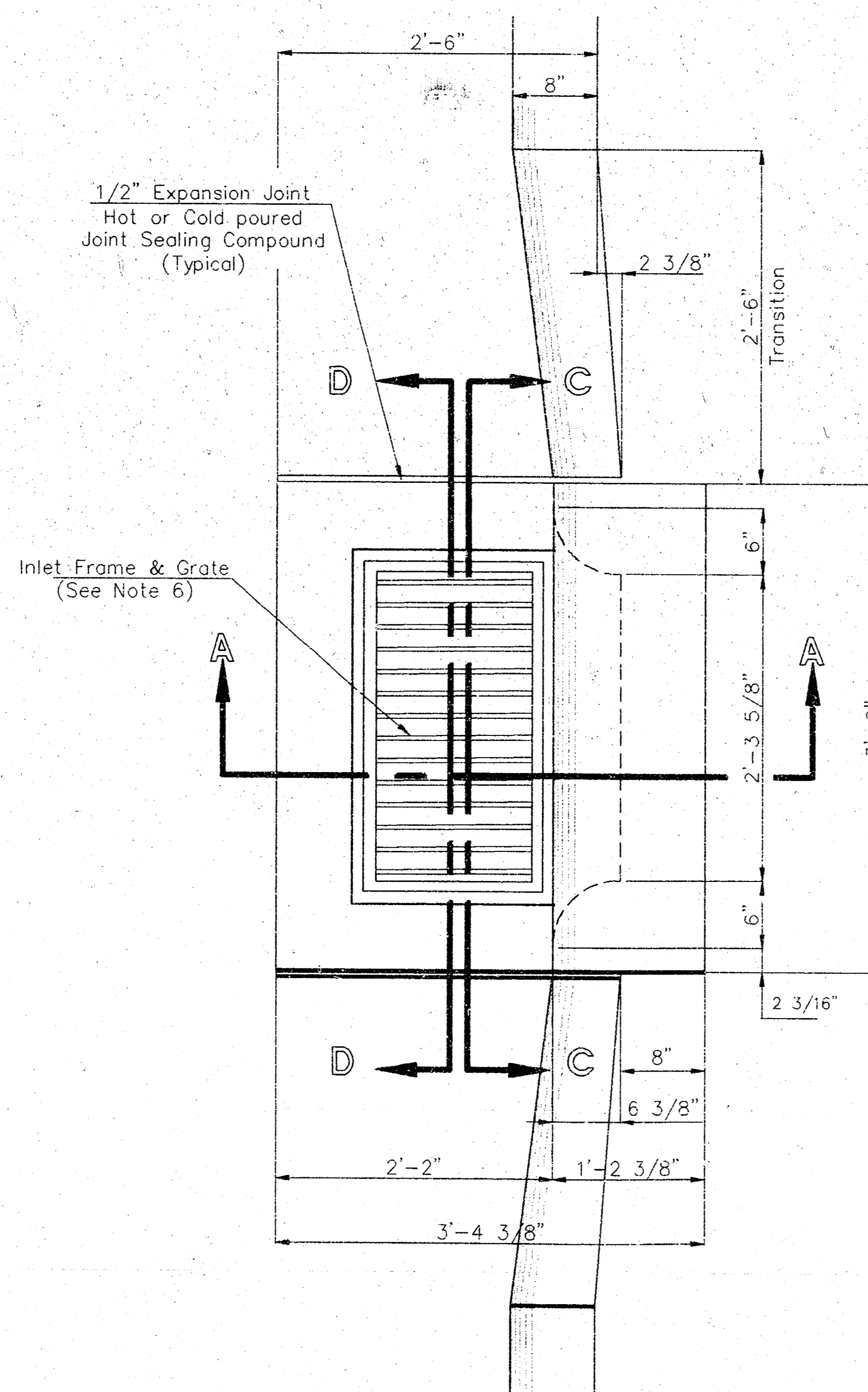
SECTION C-C



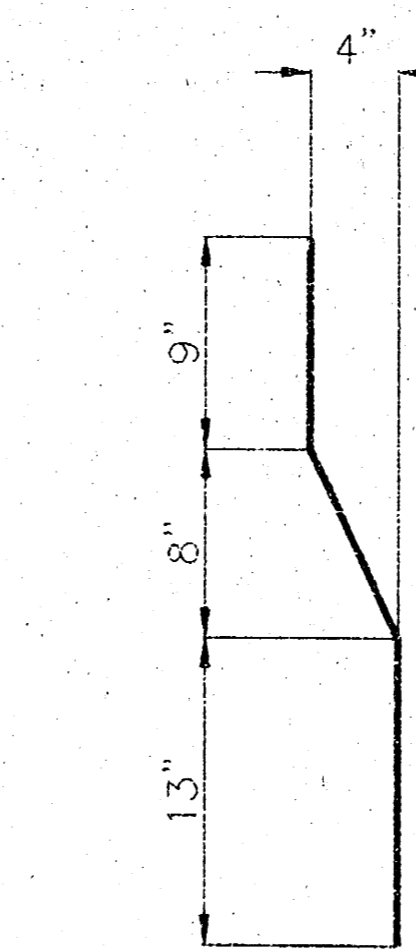
SECTION D-D



REAR WALL



"A" Bar




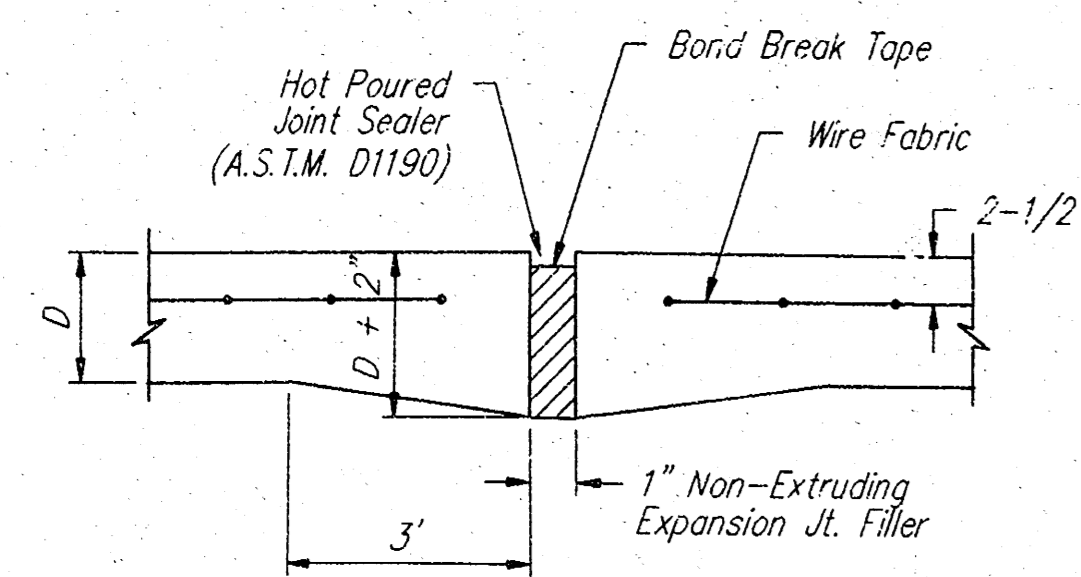
"B" Bar

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 HV Single inlet Frame and Grate or approved equal. Inlet frame to be proof load tested 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.

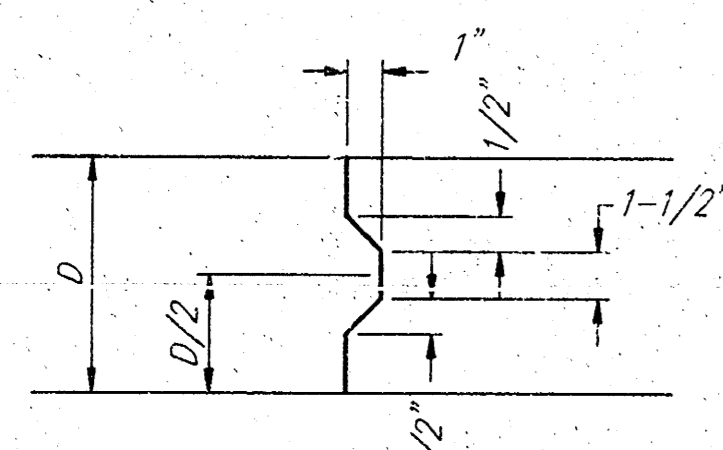
Redrawn Jan.1992

DETAIL STANDARD TYPE II CURB INLET CITY OF WICHITA, KANSAS INLET OPENINGS - 6" x 2'-3 5/8" January, 1987	
PROJECT NUMBER 472-76-245-82433-000-000-001	SHEET OF 9 11
 BAUGHMAN COMPANY P.A. ENGINEERING & SURVEYING 316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211	

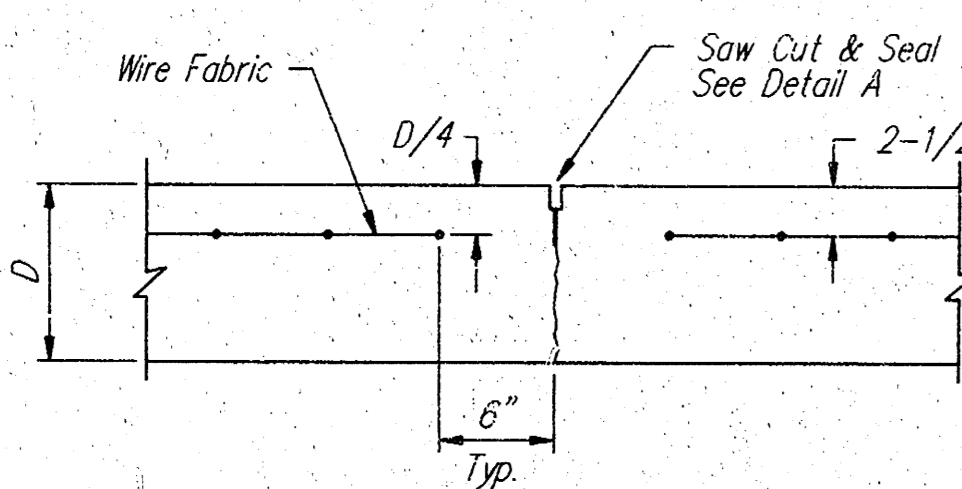


EXPANSION JOINT

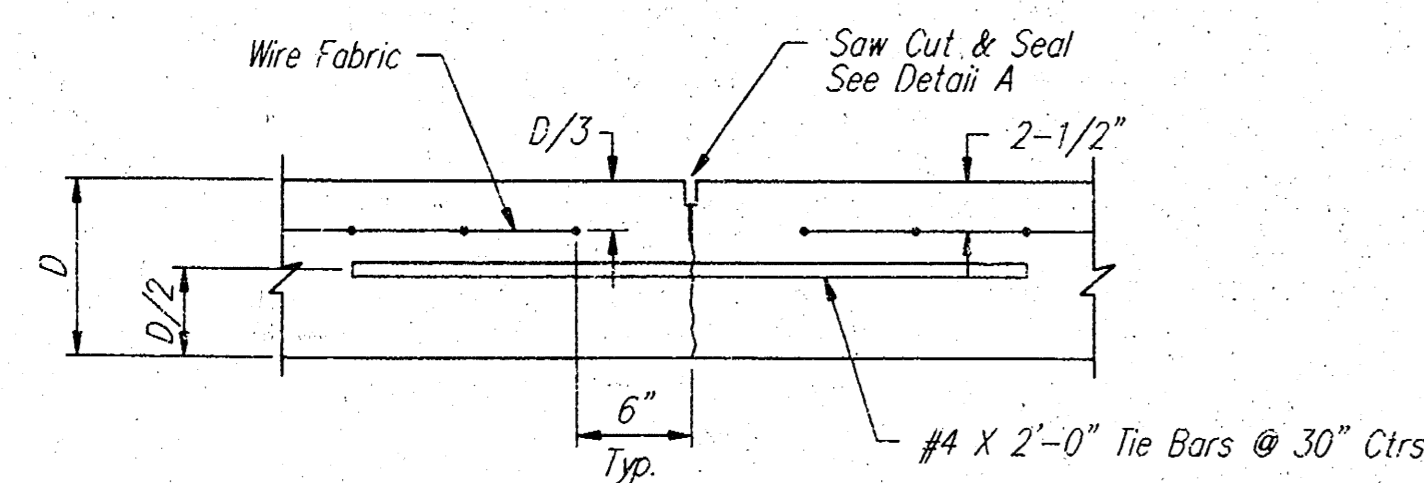
NOTE: Extra Thickness to be Subsidiary to Price of Square Yards Pavement



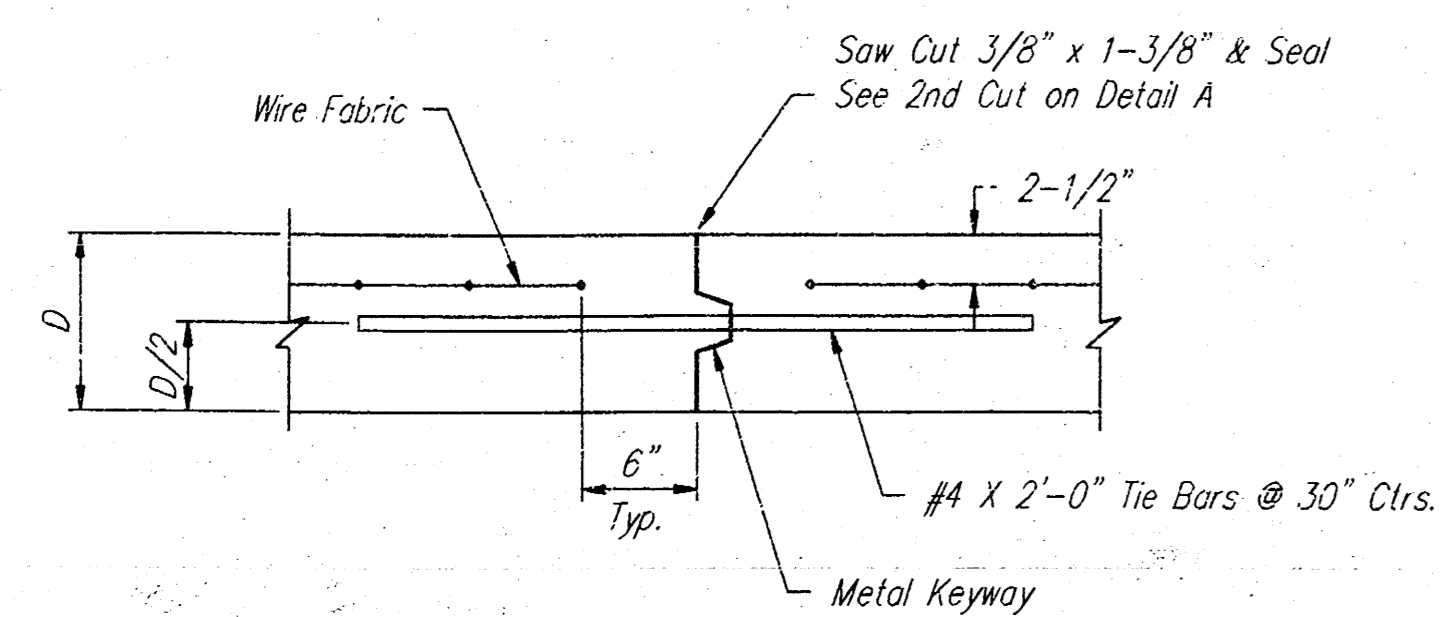
KEYWAY DETAIL



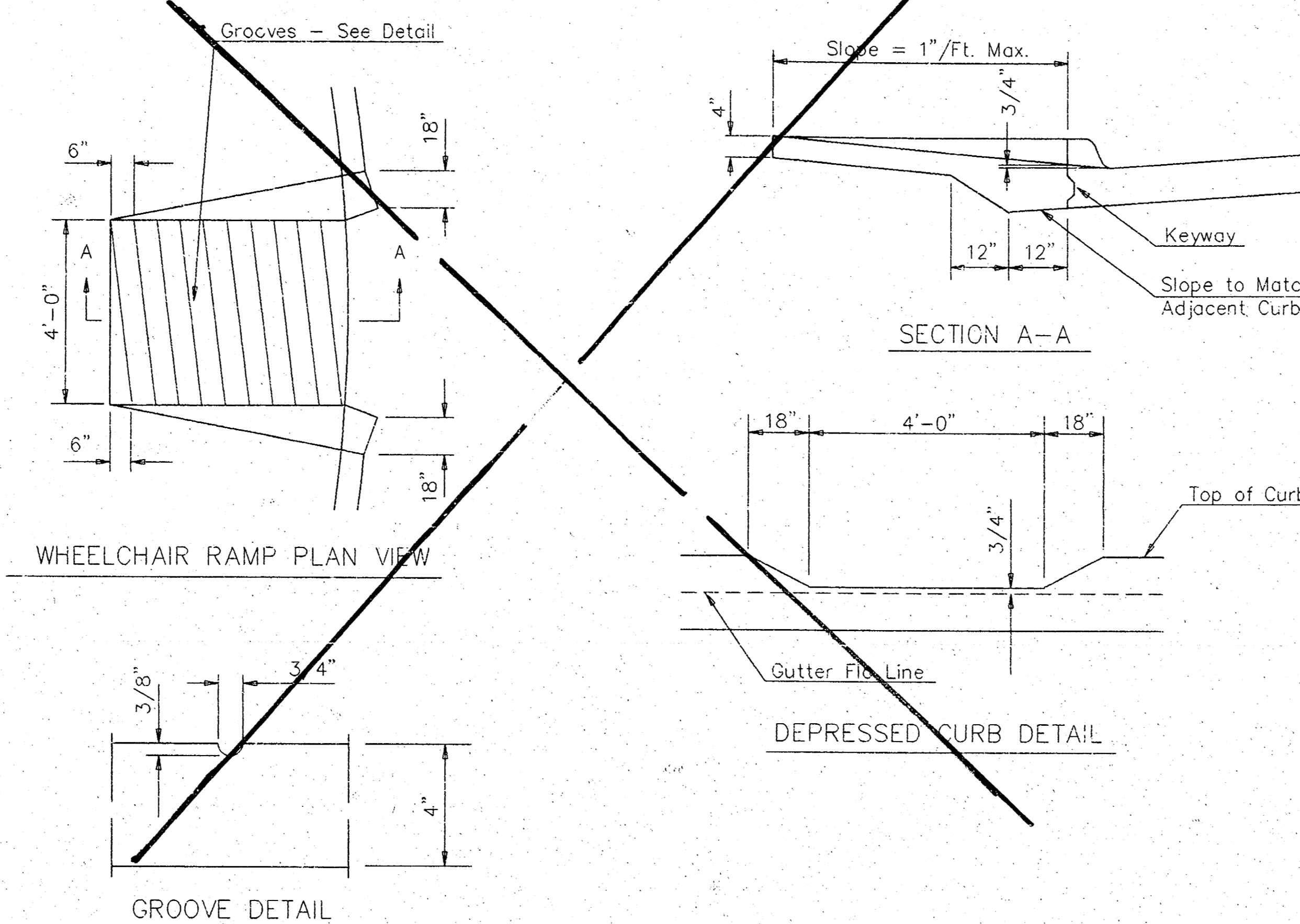
CONTRACTION JOINT DETAIL (C.J.)



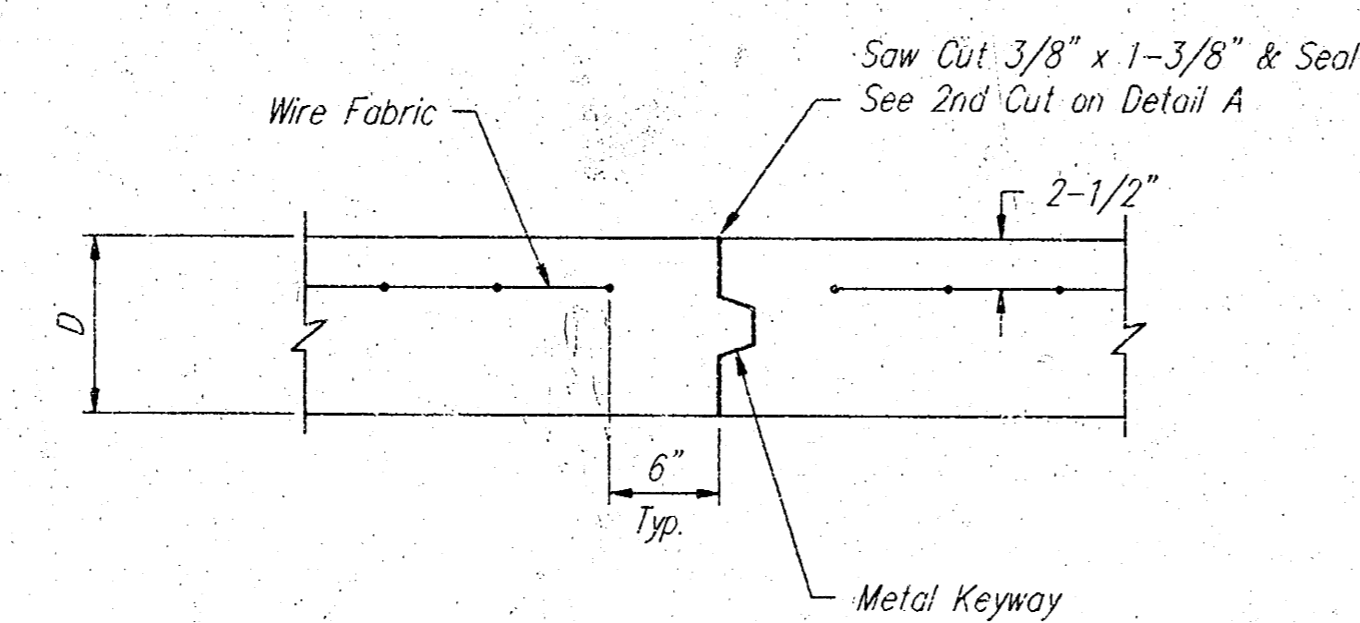
LONGITUDINAL JOINT DETAIL (L.J.)



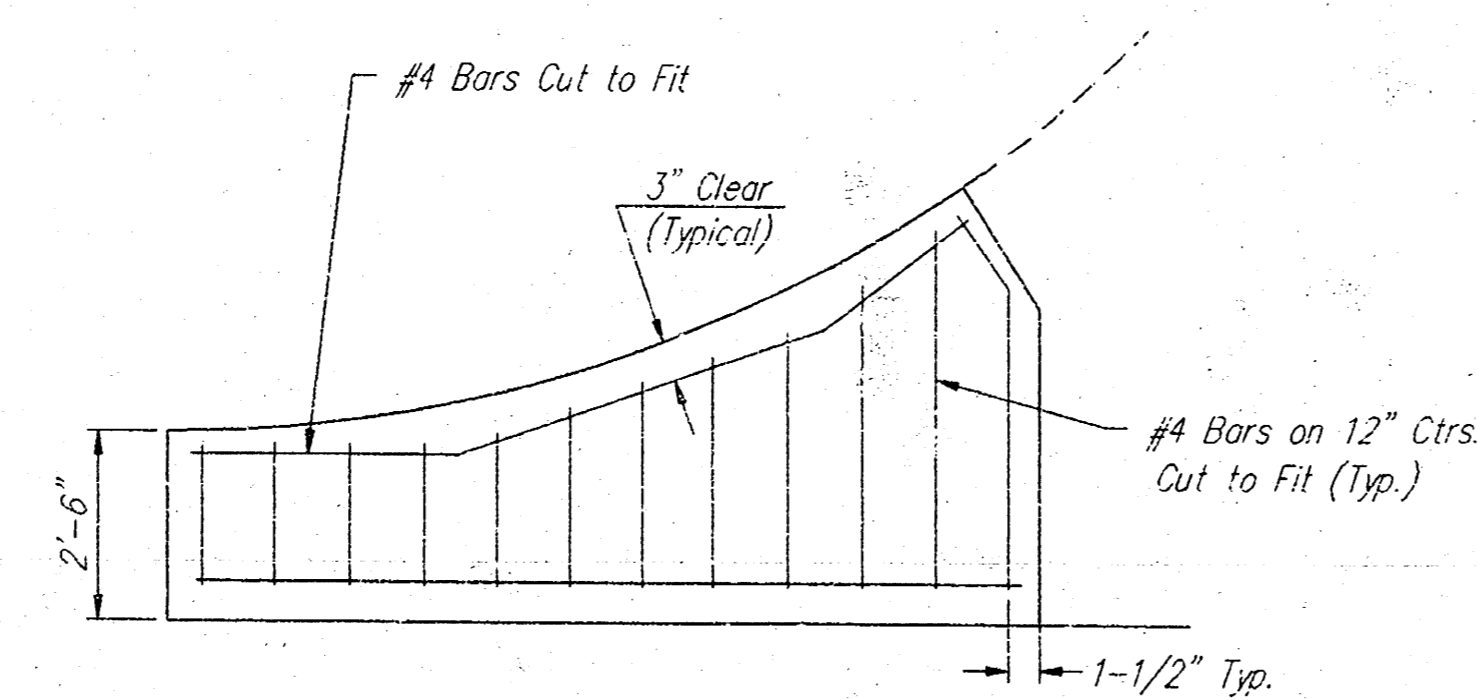
OPTIONAL LONGITUDINAL JOINT DETAIL (L.J.) (CONSTRUCTION JOINT)



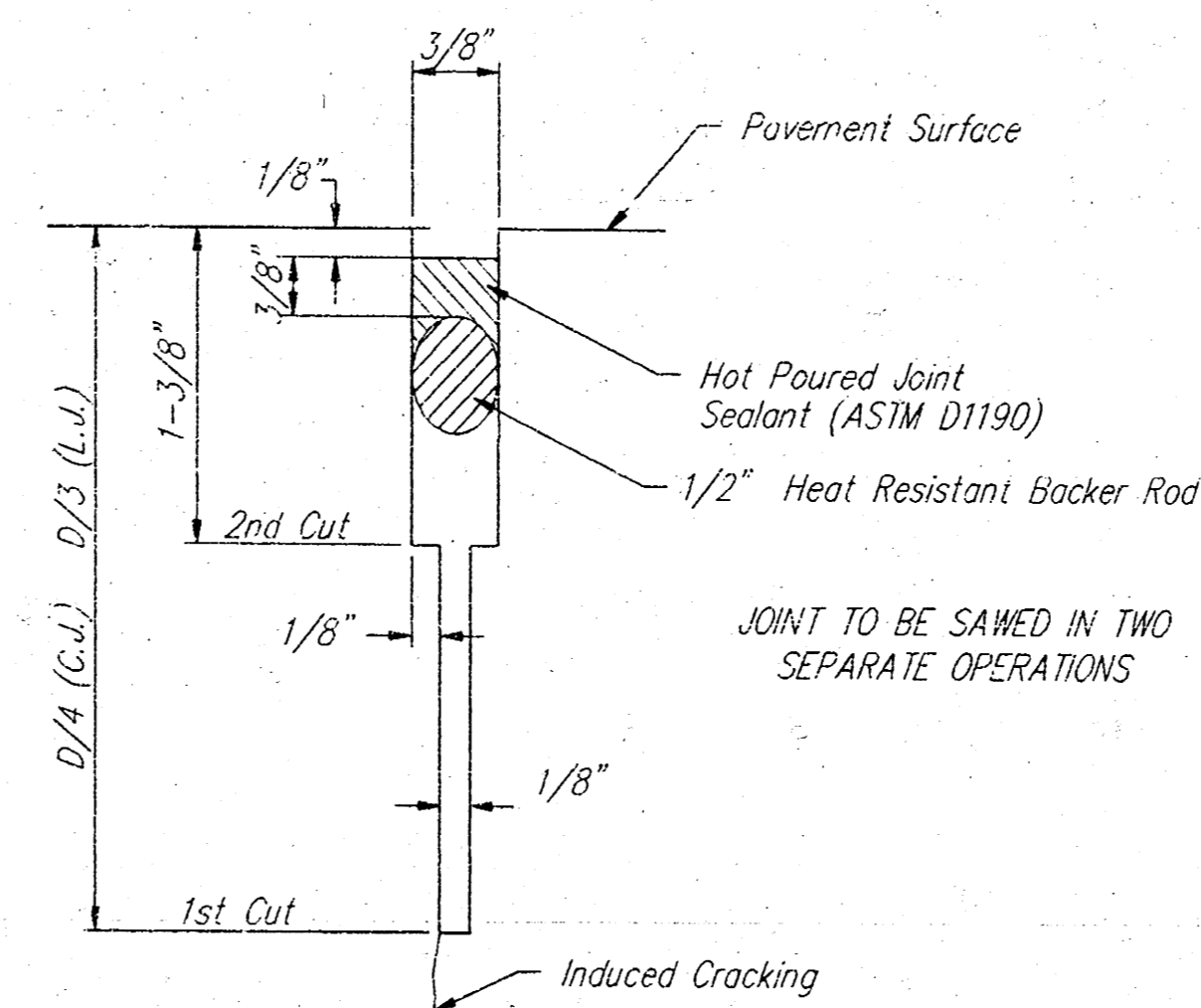
WHEELCHAIR RAMP DETAIL



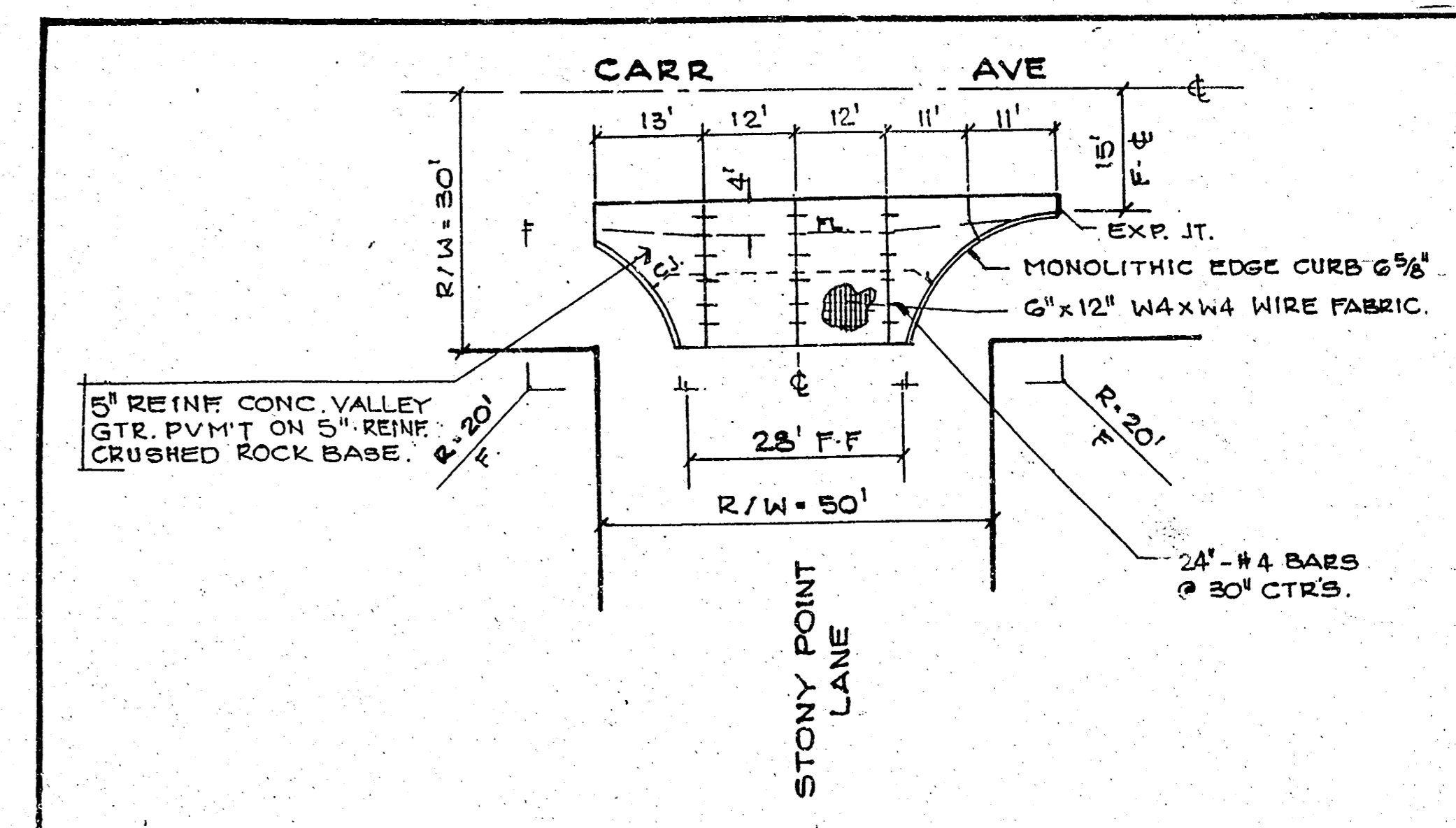
OPTIONAL CONTRACTION JOINT (CONSTRUCTION JOINT)



WING REINFORCING DETAIL



SAW JOINT DETAIL



VALLEY GUTTER DETAILS				
BAUGHMAN COMPANY P. A. ENGINEERING & SURVEYING 316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211				REV.
PROJECT NUMBER 472-76-245-82433-000-000-001				SHEET 10
DESIGN CMB/TCR	DRAWN	APPROVED B	DATE	SCALE 1" = 20'
				OF 11

