

B.M. = 168-52 Oliver & Douglas Brass Rod in Conc. Post, S.W. Cor. 3' W. Of Back Wk. & 8' S. Of Cb-29-2' S-33' N. Of E Douglas & Oliver

B.M. = 165-98 "□" On Conc. Wk. W.L. Oliver, S.L. Oakland To The E. Of Thimble

B.M. = 166-53 "□" On Conc. WK. W. L. Oliver, N. L. English W.

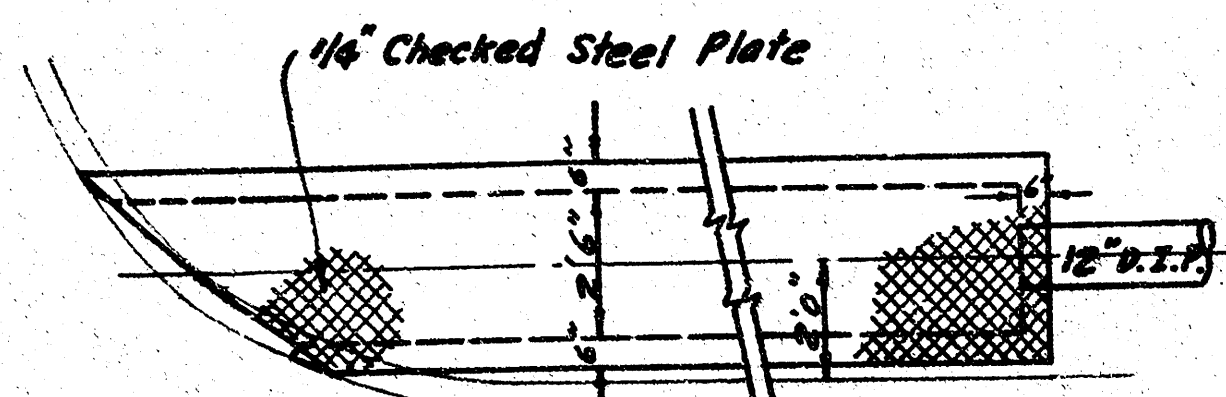
B-M-161-69 "□" Top Of Cb S-Side English E. & 137' E. Of E.L. Oliver To The N. Of P.P



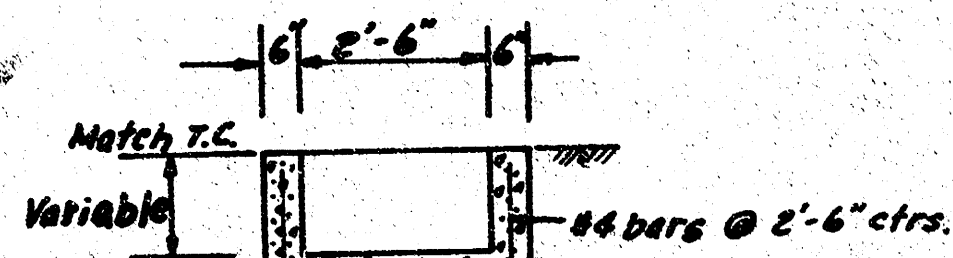
- 1) GUTTER MUST BE DERESSED IN FRONT OF INLETS AS DETAILED ON SHEET 3.
 - 2) ASPHALT SURFACING TO BE BID BY THE TOWN. LEVELING COURSES SHALL BE REQUIRED SO THAT THE FINAL LIFT WILL BE A UNIFORM 2" IN THICKNESS, NO LEVELING COURSE SHALL EXCEED 4" IN DEPTH.
- BASE TYPE ASPHALT (MIX TYPE SC-1) MAY BE USED FOR LEVELING COURSES. SURFACE ASPHALT (MIX TYPE SC-1) SHALL BE USED FOR THE SURFACE LIFT. ALL COSTS ASSOCIATED WITH THE PLACING OF ASPHALT SHALL BE INCLUDED IN THE BID ITEM "TONS OF ASPHALT."
- 3) ALL CONSTRUCTION JOINTS IN CONCRETE WORK SHALL BE KEVED JOINTS WITH COMBLED STEEL. THIS WORK SHALL BE INCIDENTAL TO THE CONCRETE PAVEMENT.
 - 4) THE CONTRACTOR SHALL BE REQUIRED TO PLACE CONCRETE AT TEMPERATURES OF 20° F. AND ABOVE ON THIS PROJECT. COLD WEATHER CONCRETING PROCEDURES SHALL BE REQUIRED. ALL COSTS ASSOCIATED WITH COLD WEATHER CONCRETING SHALL BE INCIDENTAL TO THE PROJECT.
 - 5) CONTRACTOR SHALL USE BLANKETS, STRAW, OR OTHER PROCEDURES TO PREVENT THE SUBGRADE WITHIN OLIVER STREET FROM BECOMING FROZEN. IN THE EVENT THE SUBGRADE BECOMES FROZEN, THE ENGINEER SHALL DIRECT THE FROZEN SUBGRADE BE REPLACED WITH SUITABLE UNFROZEN MATERIAL. ALL COSTS ASSOCIATED WITH KEEPING THE SUBGRADE UNFROZEN SHALL BE INCIDENTAL TO THE PROJECT.
 - 6) REINFORCING STEEL SHALL BE PLACED IN THE #1 CONCRETE BASE AT 2' CENTERS BOTH PARALLEL AND PERPENDICULAR TO THE CENTERLINE OF HIGHWAY. REINFORCEMENT SHALL BE NUMBER 4 DEFORMED BARS. COST OF STEEL SHALL BE INCLUDED IN THE COST OF THE #1 CONCRETE BASE.
 - 7) NO SUBGRADE TREATMENT IS TO BE USED ON THIS PROJECT. THE CONTRACTOR WILL BE REQUIRED TO COMPACT DISTURBED SUBGRADE MATERIALS IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR COMPACT FILL. THE COMPACTION OF EARTHWORK, INCLUDING BORROW MATERIAL IF NECESSARY, SHALL BE INCIDENTAL TO THE PROJECT.
 - 8) AG-3 BASE AGGREGATE SHALL CONFORM TO MATERIAL SPECIFIED IN THE STANDARD SPECIFICATION OF THE KANSAS DEPARTMENT OF TRANSPORTATION, SECTION 1104 (C) (3.3).

PROJECT DESCRIPTION	
OLIVER & ENGLISH INTERSECTION	
PROJECT NUMBER	
472-76-245-81232-000-000-001	
BOOK NO. BR-100	APPROVED BY
DRAWN BY	DATE
	REVISED
CITY OF WPCHTA	
DEPARTMENT OF ENGINEERING	
DIRECTOR OF ENG./CITY ENGINEER	SCALE
R. W. BRUGGEMAN	1" = 10'

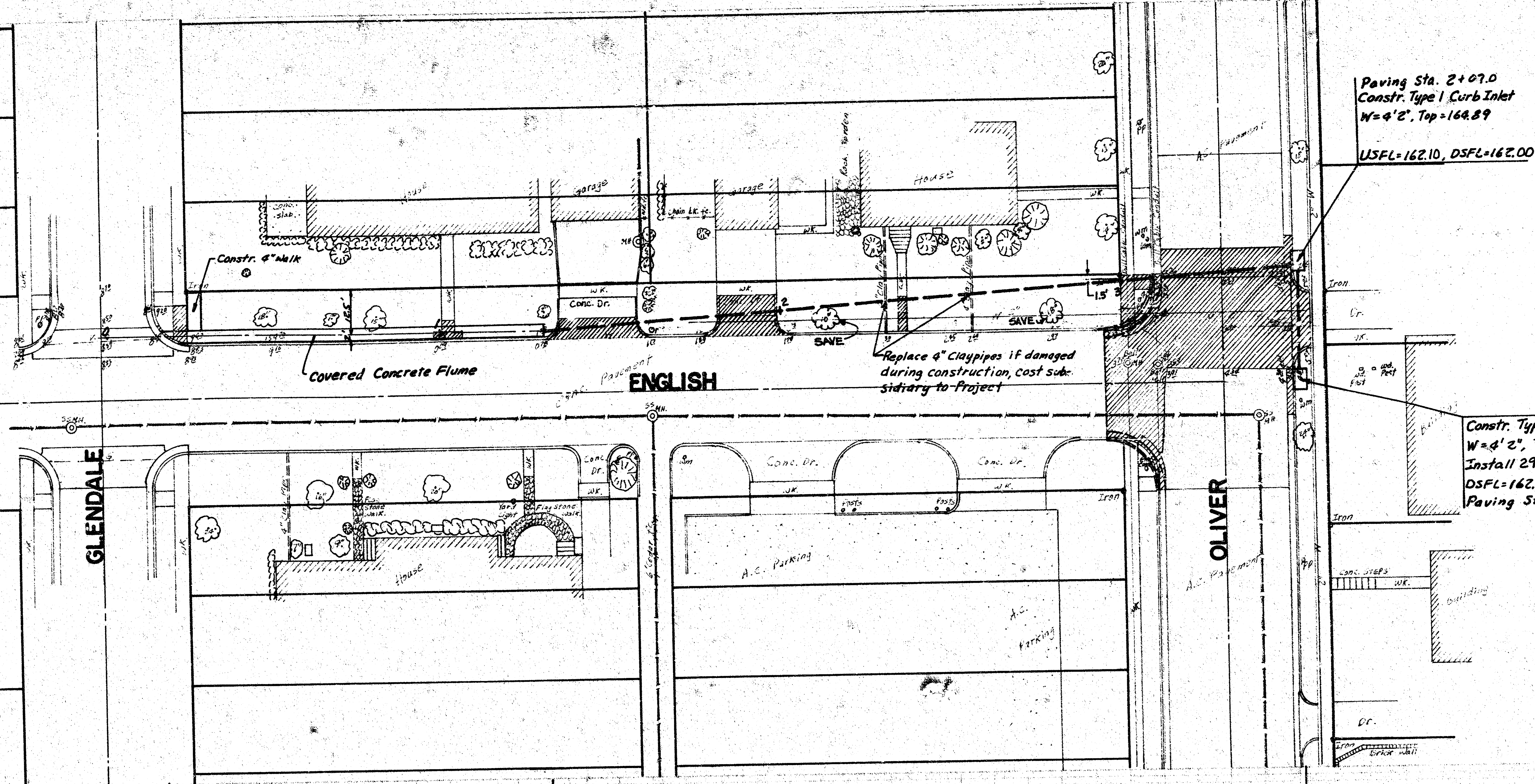
B.M. 168.52 BRASS ROD IN CONCRETE POST, SW COR.
3' W OF BACK OF WALK & 8' S OF CURB
29.2' S & 33' W OF C. DOUGLAS & OLIVER
B.M. 161.69 "d" TOP OF CB, S SIDE ENGLISH & 137' E
OF EL. OLIVER, TO THE N. OF PP.



COVERED CONCRETE FLUME
1" = 4' 0"

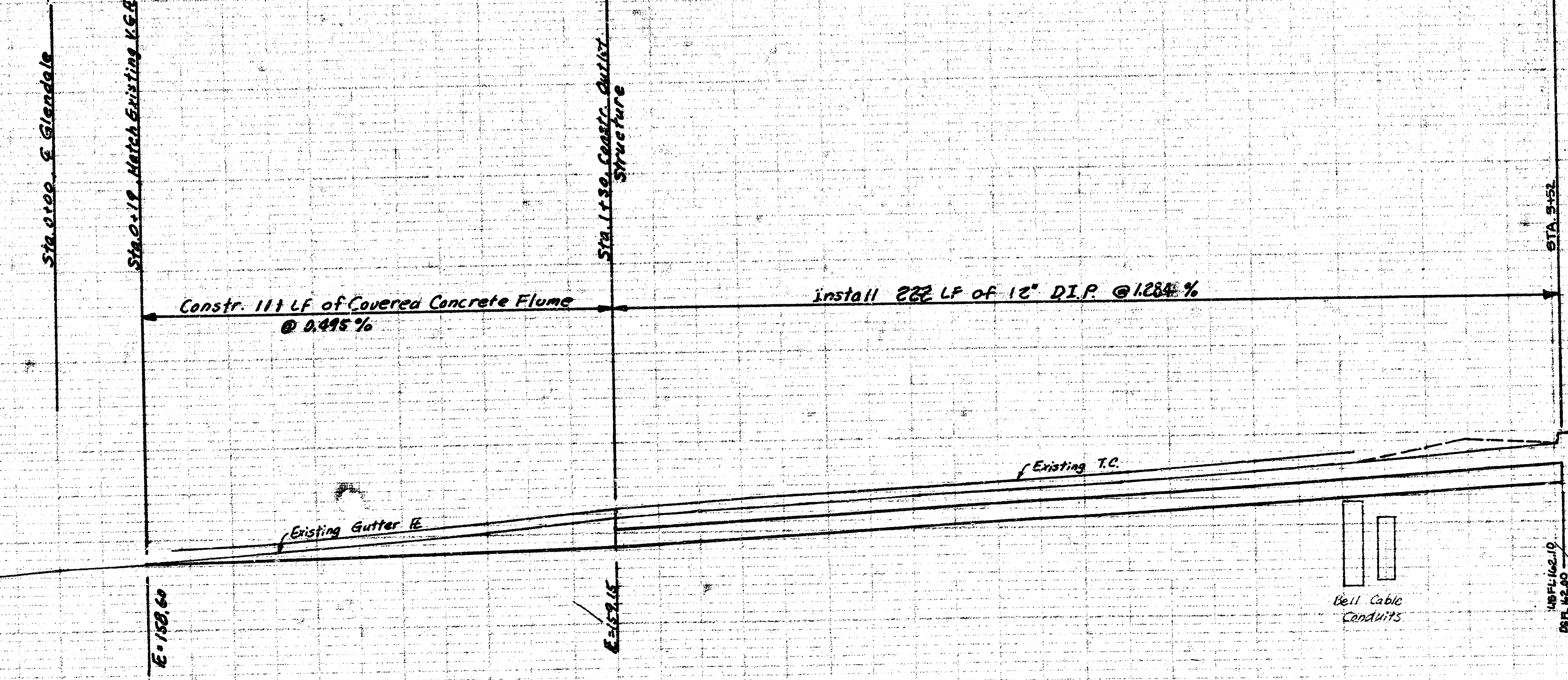


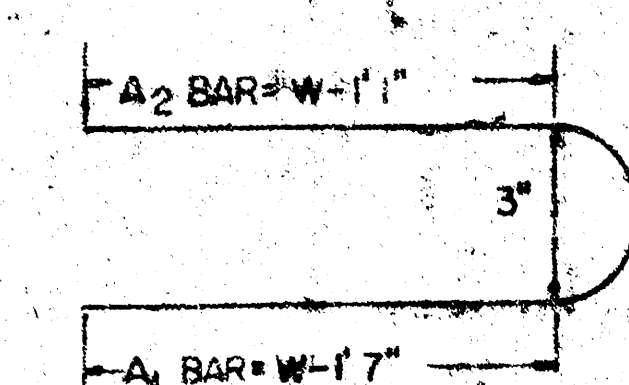
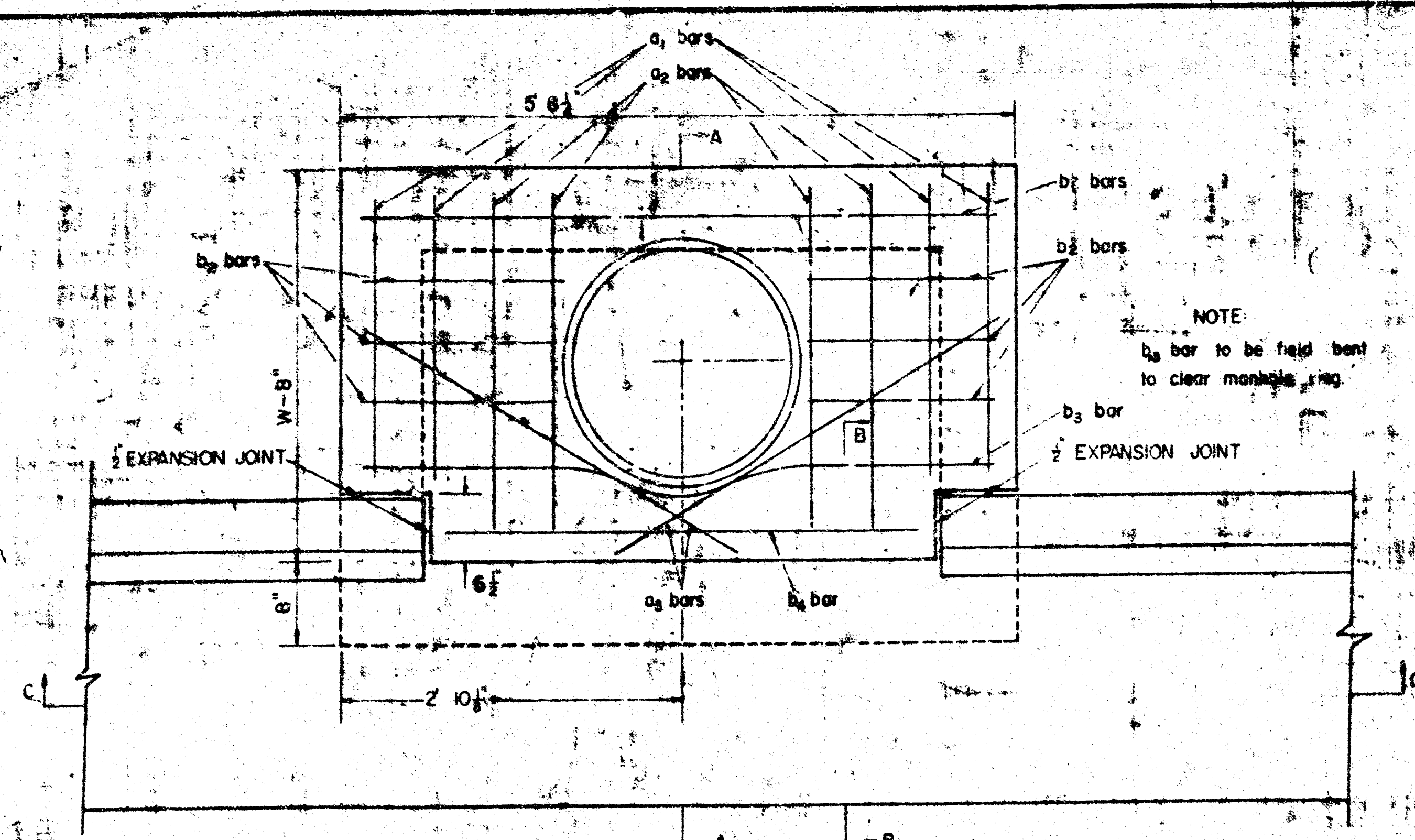
SECTION
1" = 3' 0"



Paving Sta. 2+07.0
Constr. Type I Curb Inlet
W=4'2", Top=164.89
LISFL=162.10, DSFL=162.00

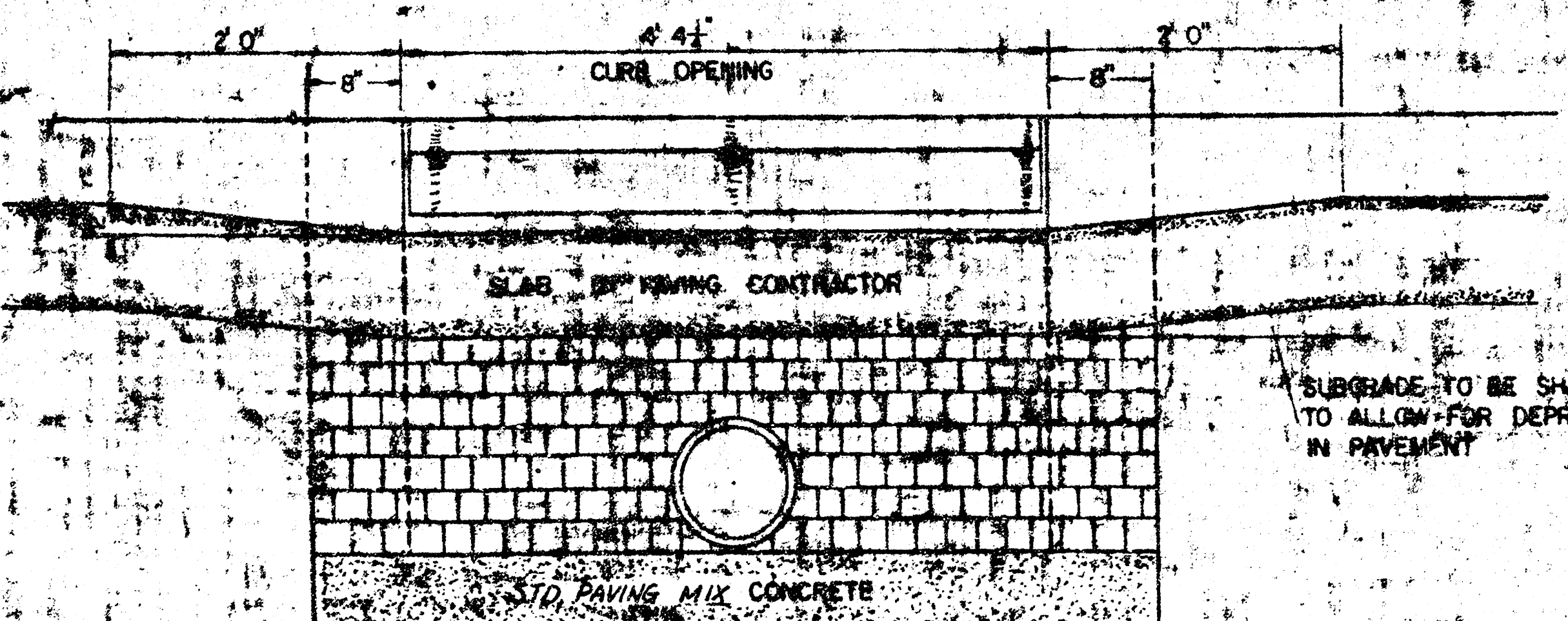
Constr. Type I Curb Inlet
W=4'2", Top=164.79
Install 29 LF of 12" D.I.P.
DSFL=162.15
Paving Sta. 2+40





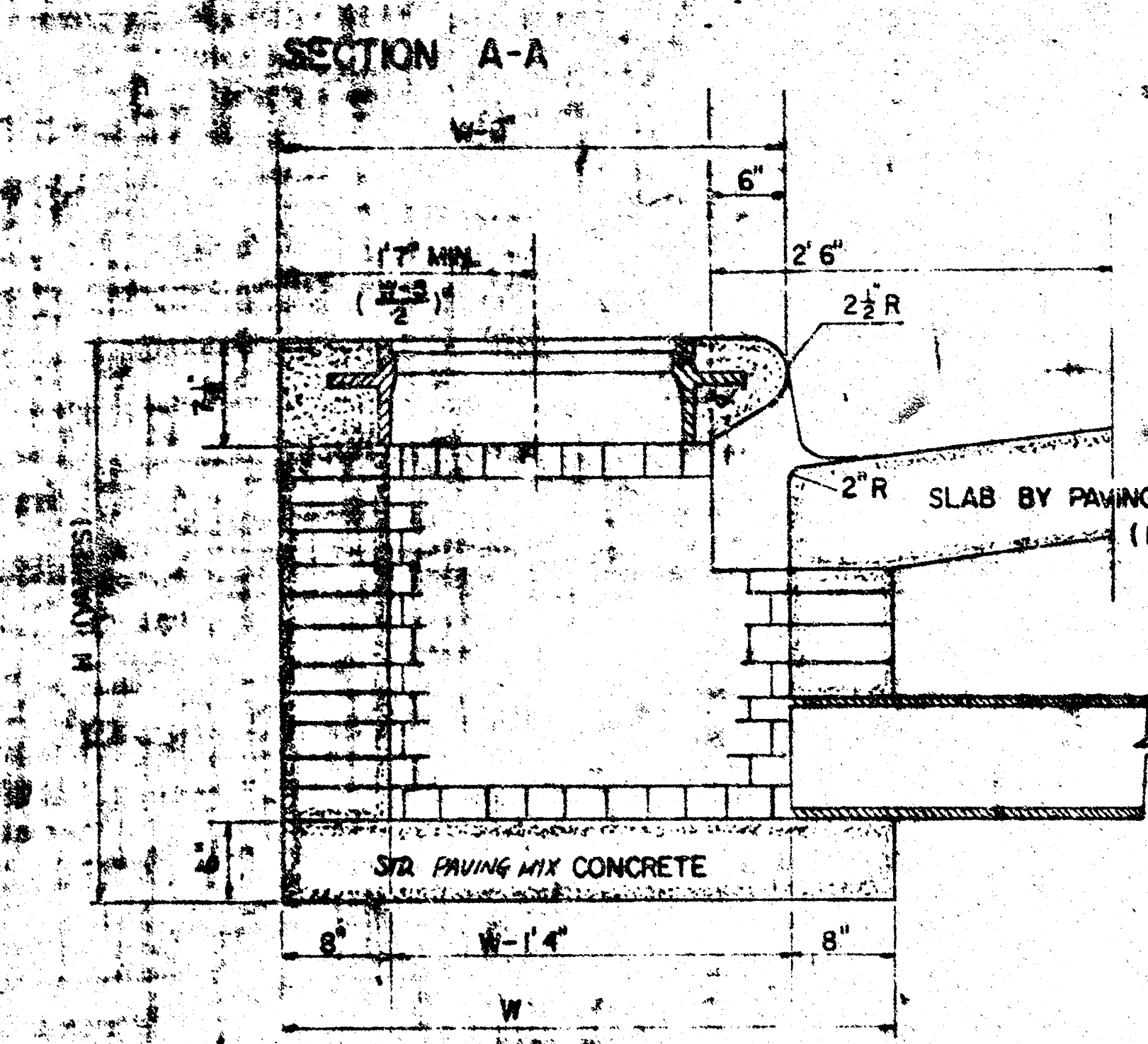
BAR	a ₁	a ₂	a ₃	b ₁	b ₂	b ₃	b ₄	WT. LBS.
				W=5'0" W=4'0" W=5'0"				
SIZE	"4	"4	"4	"4	"4	"4	"6	
NUMBER	4	4	2	3	5	6	1	
W-4'2"	5'5"	6'6"	3'7"	5'5"	-	1'7"	5'6"	4'0" 60
W-5'0"	7'1"	8'1"	4'7"	5'5"	-	1'7"	5'6"	4'0" 77
W-6'0"	9'1"	10'1"	5'7"	5'5"	-	1'7"	5'6"	4'0" 97

NOTE: A2 BARS TO BE PLACED APPROXIMATELY 2" BELOW TOP OF INLET COVER



SECTION C-C
SCALE: 1"=1'0"

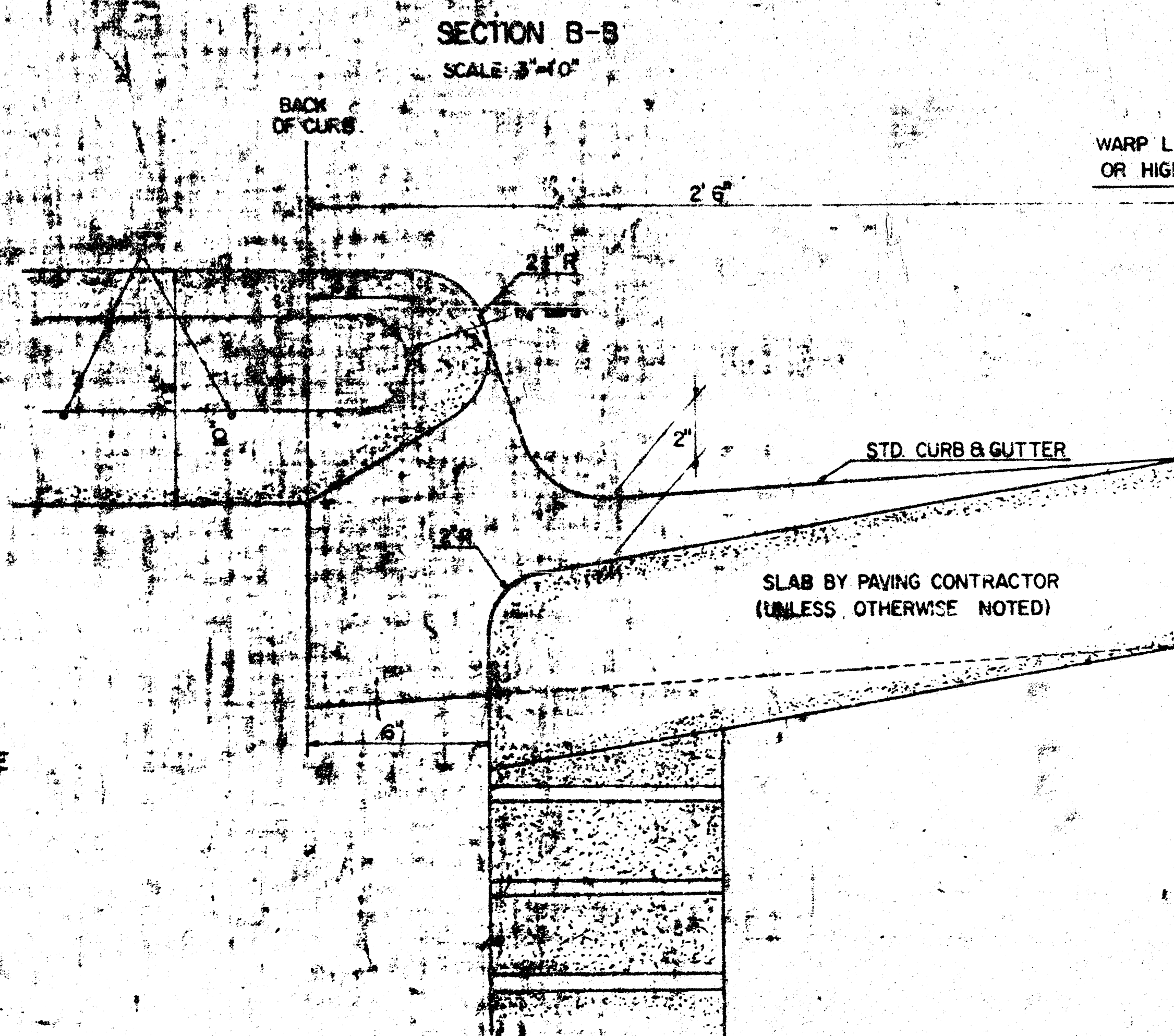
BRICK FOR INLET CONSTRUCTION SHALL CONFORM WITH THE LATEST REVISION OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS DESIGNATION C32 FOR MANHOLE BRICK GRADE MS.



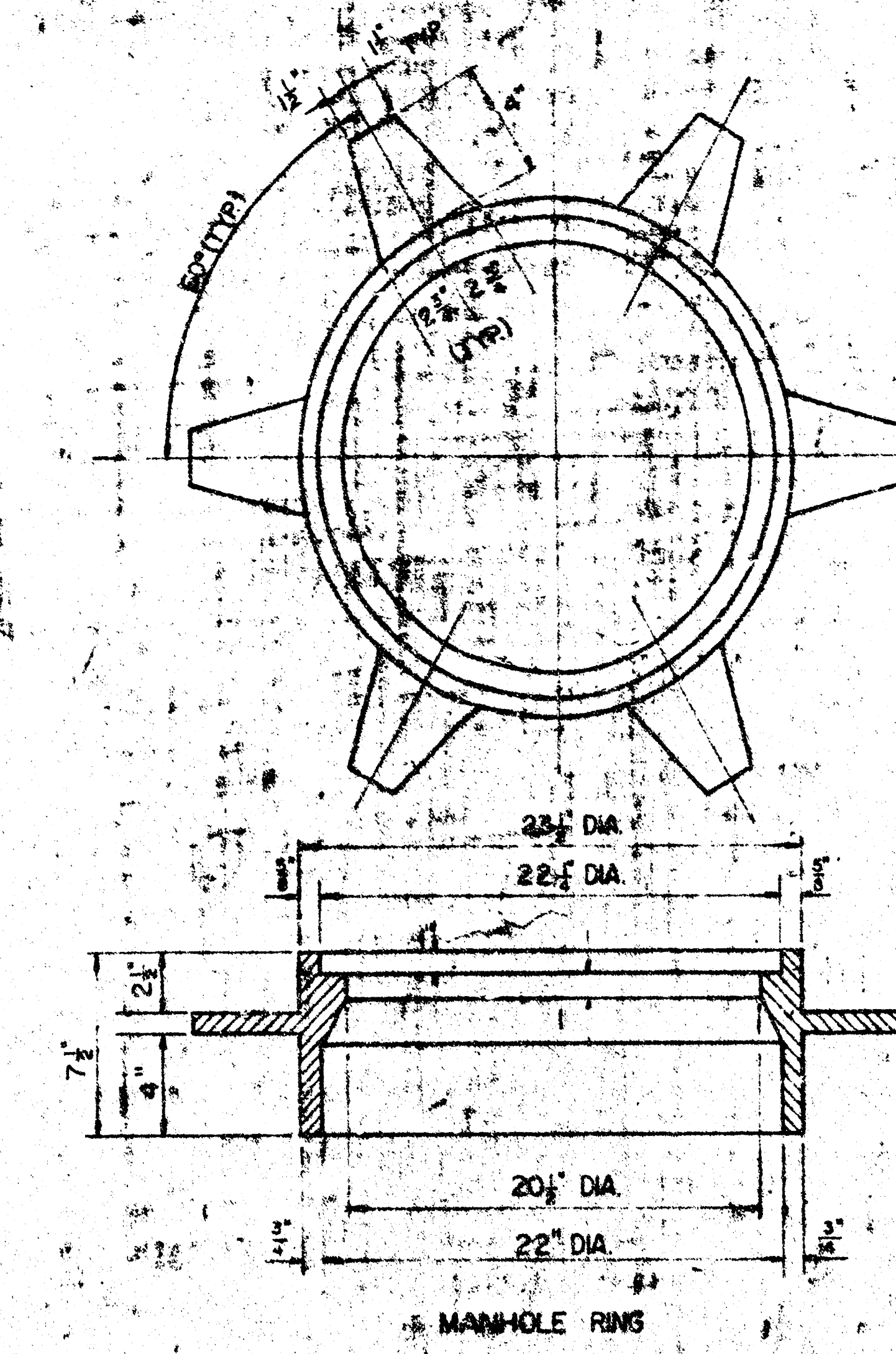
SECTION A-A
SCALE: 1"=1'0"

W.	SIZE	PIPE SIZE	CU YD CONC.
4'	36" x 56" x 7'	24" B. SMALLER	0.46"
5'	44" x 56" x 7'	30" B. 36"	0.57"
6'	52" x 56" x 7'	36" B. 48"	0.71"

GROSS VOLUME
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 FOR INLET TOPS AND FLOORS SHALL BE STANDARD PAVING MIX.



SECTION B-B
SCALE: 3"=1'0"



SEE SEWER APPURTENANCES DETAIL SHEET FOR MANHOLE COVER

THIS TYPE INLET TO BE USED WHEN PAVEMENT IS ASPHALT PAVEMENT WITH CONCRETE BASE AND/OR WHEN PAVEMENTS HAVE FULL WEIGHT STANDARD CURBS

DETAIL
STANDARD CURB INLET-TYPE I
CITY OF WICHITA, KANSAS
FEBRUARY, 1975