

Street Improvements For

WOODCHUCK

From the S.L. Westlink Village 16th. Addn. to the N.L. Westlink Village 16th. Addn.

GENERAL NOTES

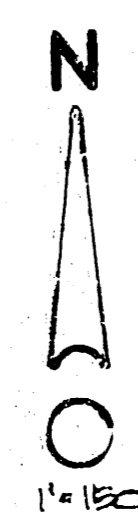
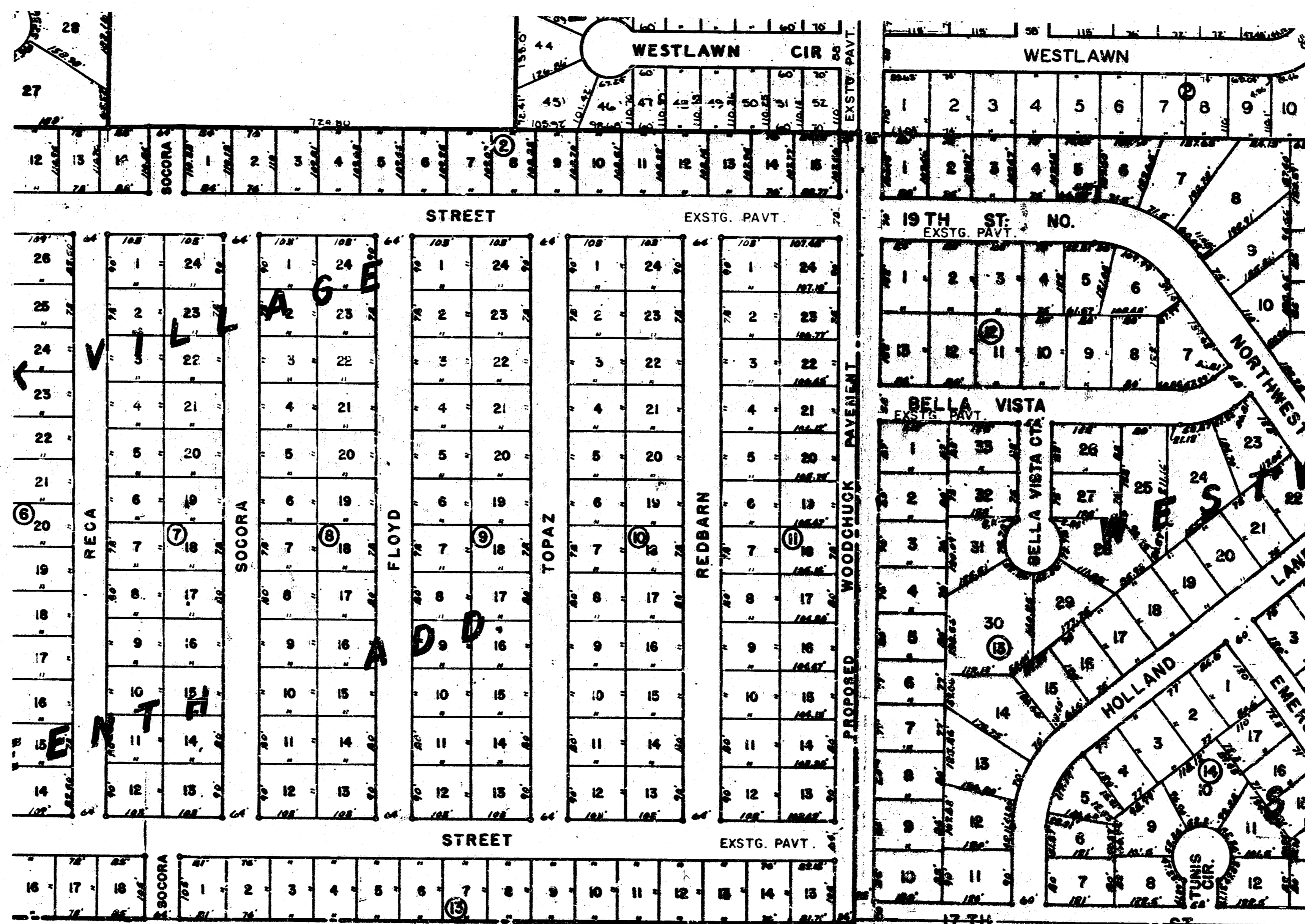
- Utility service lines, poles, valve boxes, meters, and structures are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. 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.
- 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. Saws cut 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.
- Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on site, 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.
- The Engineer shall take field ties to all quarter section corners. The Contractor shall set a City survey monument in the required location where such quarter section corners fall within the limits of pavement construction. Survey monuments will be furnished by the City. The Engineer will accurately locate and install the iron at the quarter section corner. This work will not be paid for directly, but shall be considered subsidiary to other pay items of work in the contract.
- Properties within the project limits may have underground sprinkler systems in public right-of-way which conflict with new construction. Contractor will be required to remove such improvements should they not be removed by their owner at the time of construction of the project. The Contractor will be required to salvage all sprinkler heads and/or valves and give such material to their owner. Portions of underground sprinkler systems not in conflict with new construction shall be protected from damage and shall remain in place. All work in connection with underground sprinkler systems shall be considered as subsidiary to the contract pay items of work.
- No more than 5 drives 10 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.
- 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 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.

INDEX CODE 760561

Project No.

472-76-245-81958-000-000-001

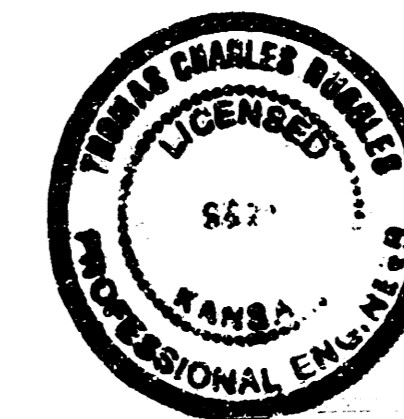
City of Wichita, Kansas - Michael E. Lindebak, City Engineer



BENCHMARKS

- CUT T.C. E. RETURN OF 8" INLET, 3' W. OF NE COR. LOT 15, BLK. 13, WESTLINK VILLAGE 16TH ADDN. ELEV. = 157.86 C.D.
- CUT T.C. S. SIDE, BELLA VISTA ST. 50' RT. & E. OF WOODCHUCK. ELEV. = 156.77 C.D.
- CUT SW COR. CB. INLET, E. END NE RETURN 16TH AT WOODCHUCK. ELEV. = 158.11 C.D.

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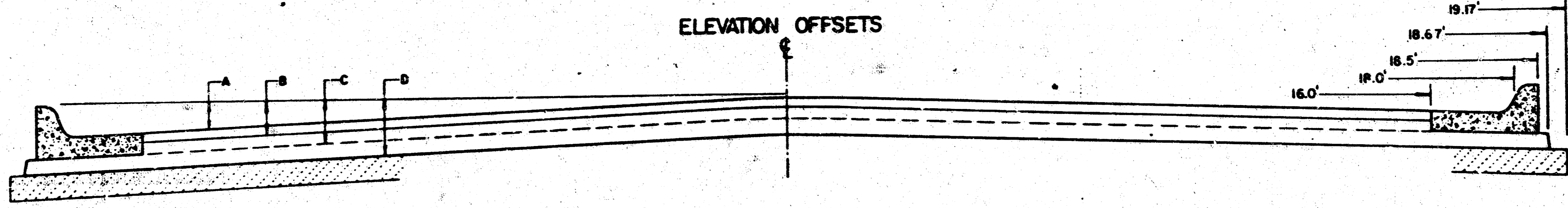
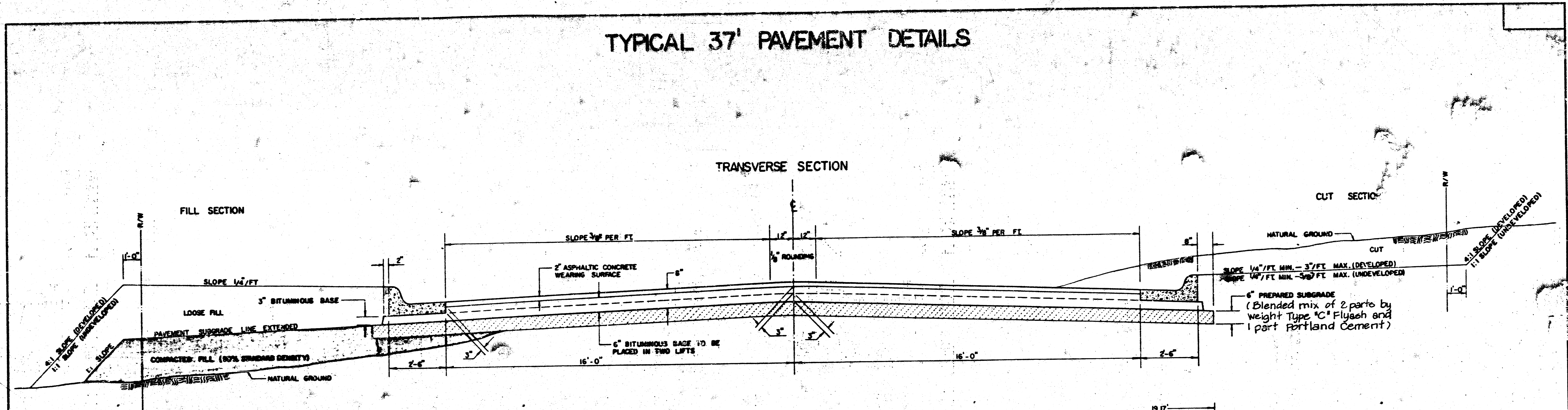


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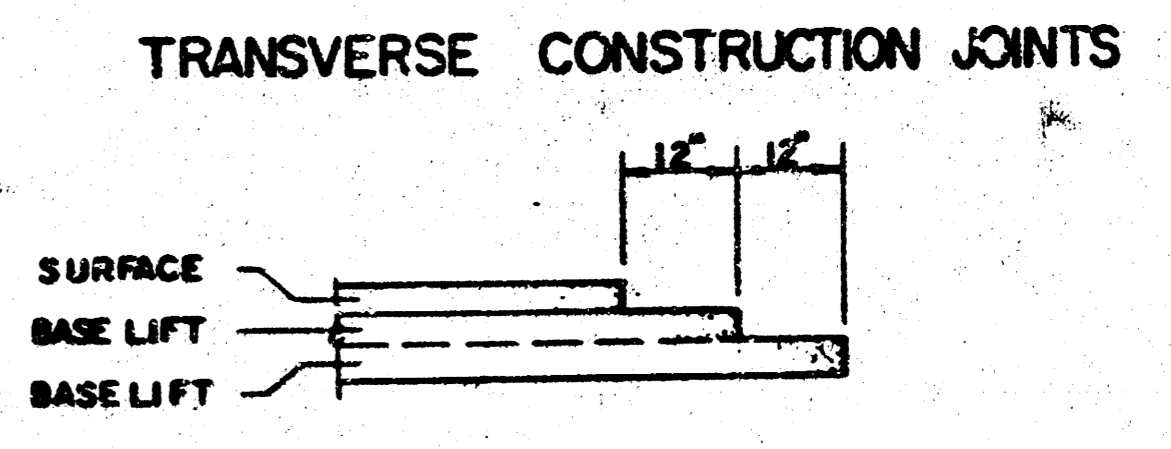
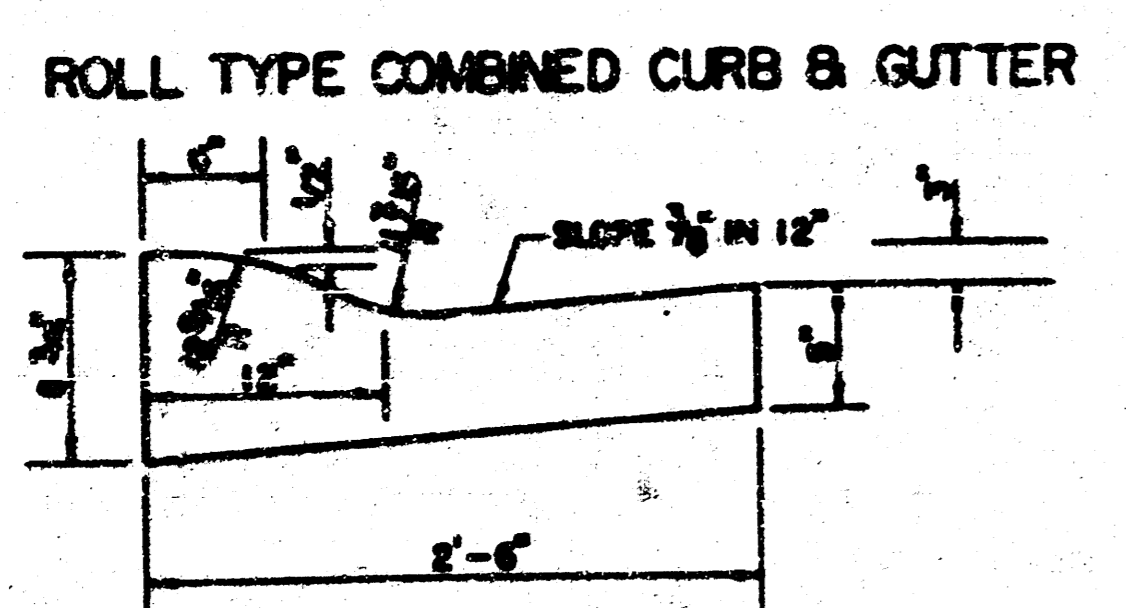
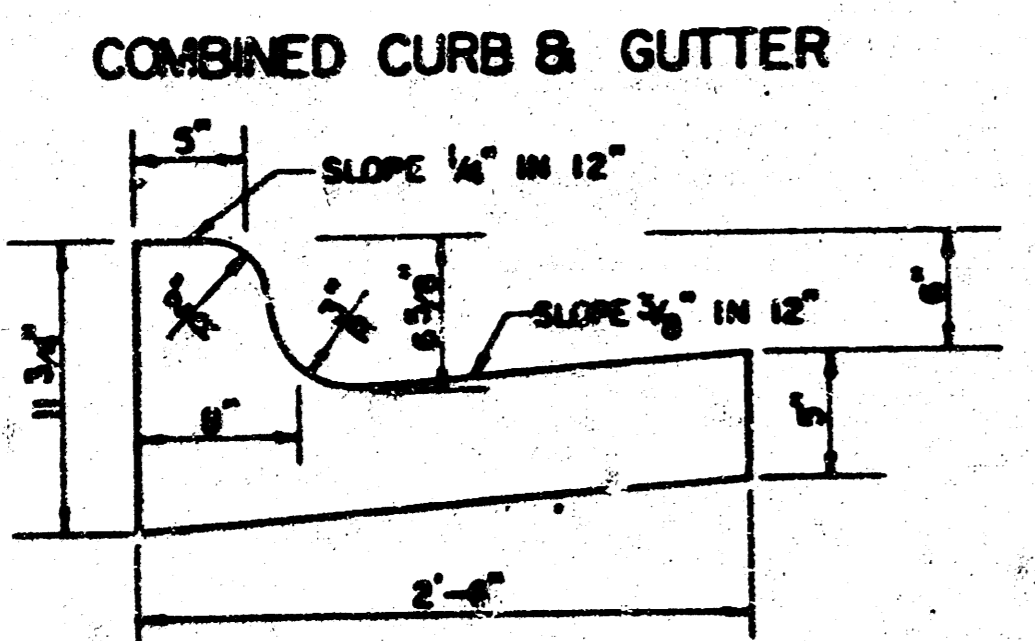
10-17-90

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TYPICAL 37' PAVEMENT DETAILS



	DISTANCE FROM CENTERLINE (LT. & RT.)												
	0	2	4	6	8	10	12	14	16	18	18.5	18.67	19.17
A. TOP OF CURBS TO TOP OF SURFACE LIFT	.01	.05	.11	.18	.24	.30	.36	.43	.49	—	—	—	—
B. TOP OF CURBS TO TOP OF UPPER BASE LIFT	.17	.22	.28	.34	.40	.47	.53	.59	.65	—	—	—	—
C. TOP OF CURBS TO TOP OF LOWER BASE LIFT	.42	.47	.53	.59	.65	.72	.78	.84	.90	.97	.98	.99	—
D. TOP OF CURBS TO TOP OF SUBGRADE	.67	.72	.78	.84	.90	.97	1.05	1.09	1.15	1.22	1.23	1.24	1.25



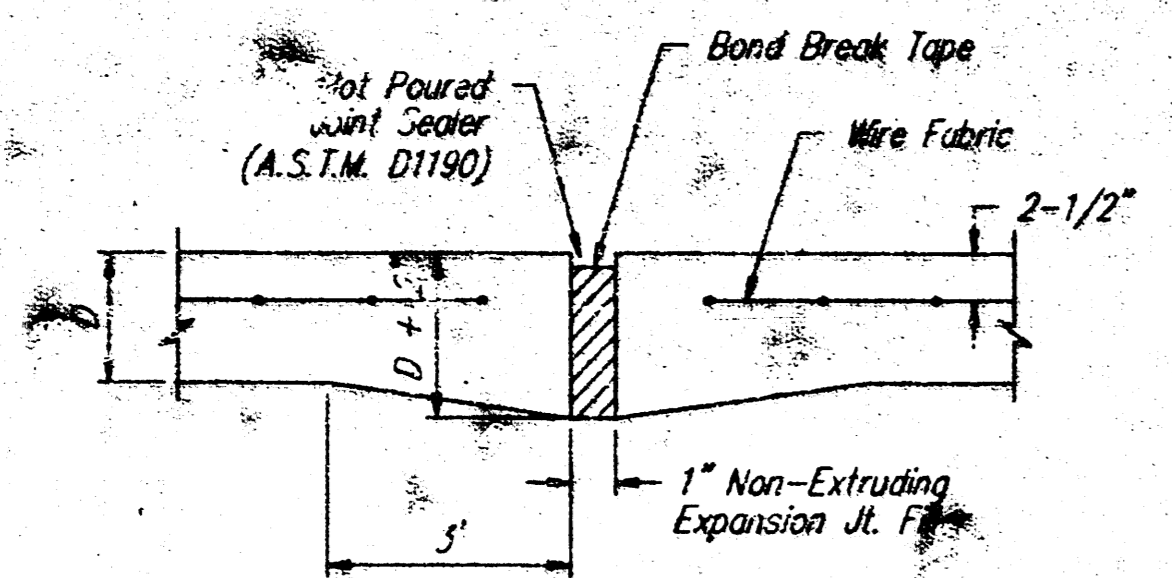
GENERAL NOTES

- 1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 2\"/>
- 2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 3\"/>
- 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 LAVERON 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 SURFACE 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 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 OF 2\"/>

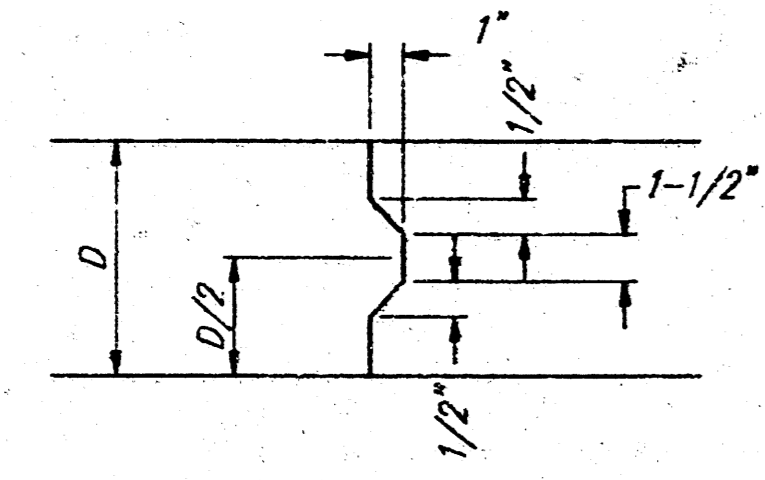
2 / 10
8 INCH RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT WITH 6 INCH BITUMINOUS BASE
CITY OF WICHITA, KANSAS
PROJECT NUMBER
472-76-248-81259-000-000-001

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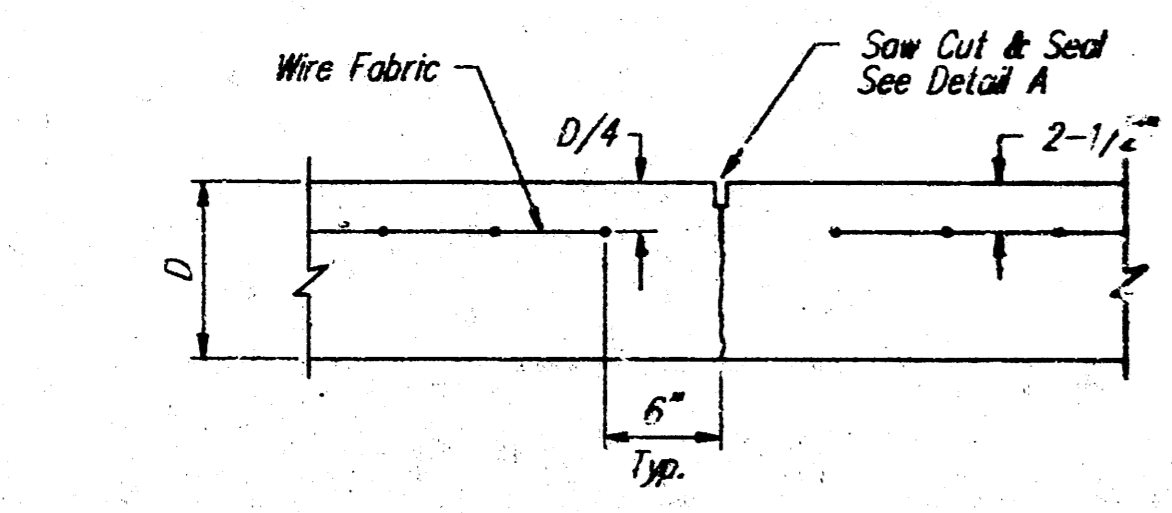


EXPANSION JOINT

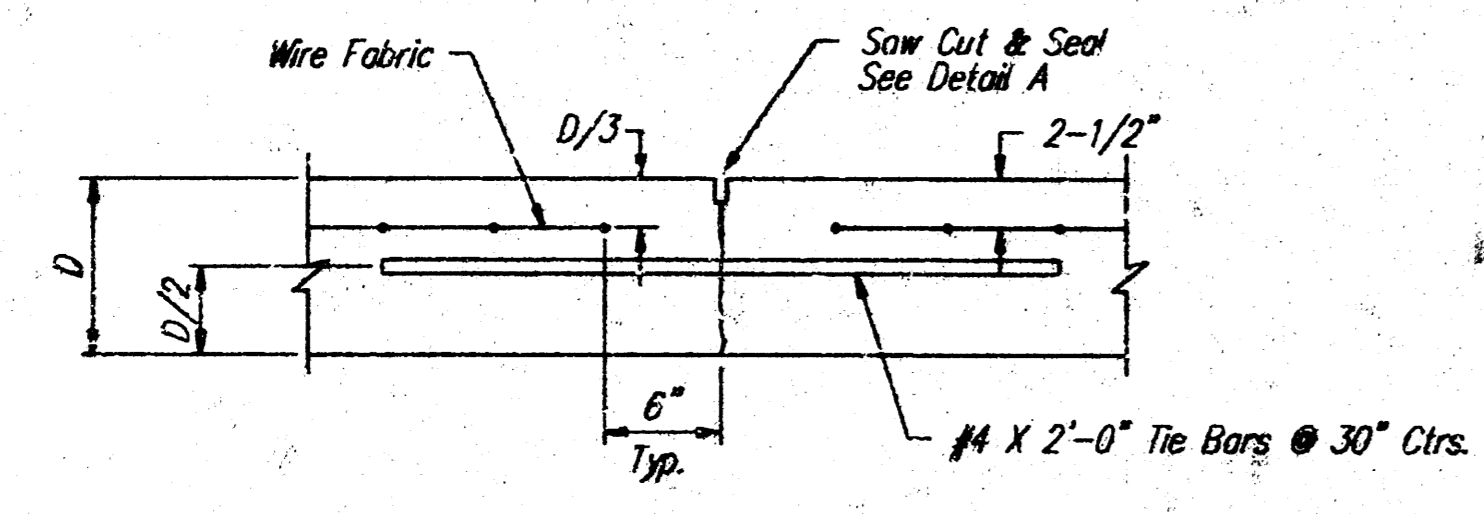
NOTE: Extra Thickness to be Subsidiary to Price of Square Yards Pavement



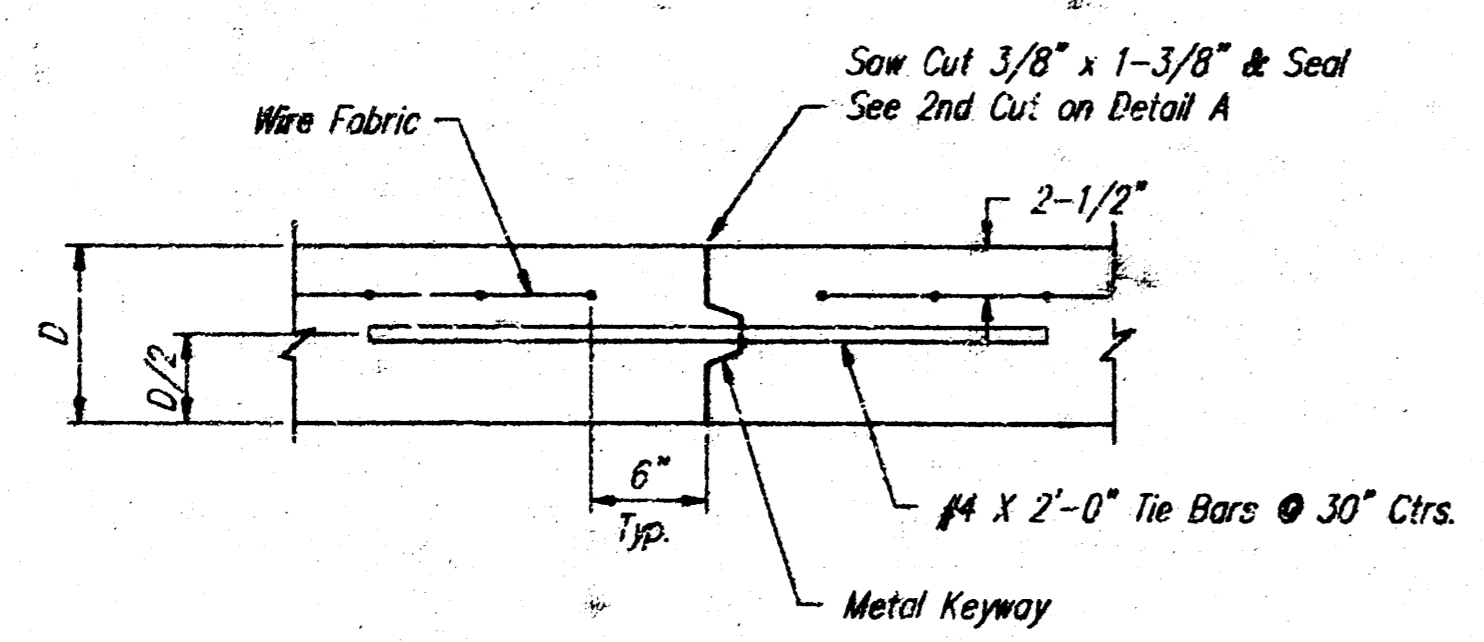
KEYWAY DETAIL



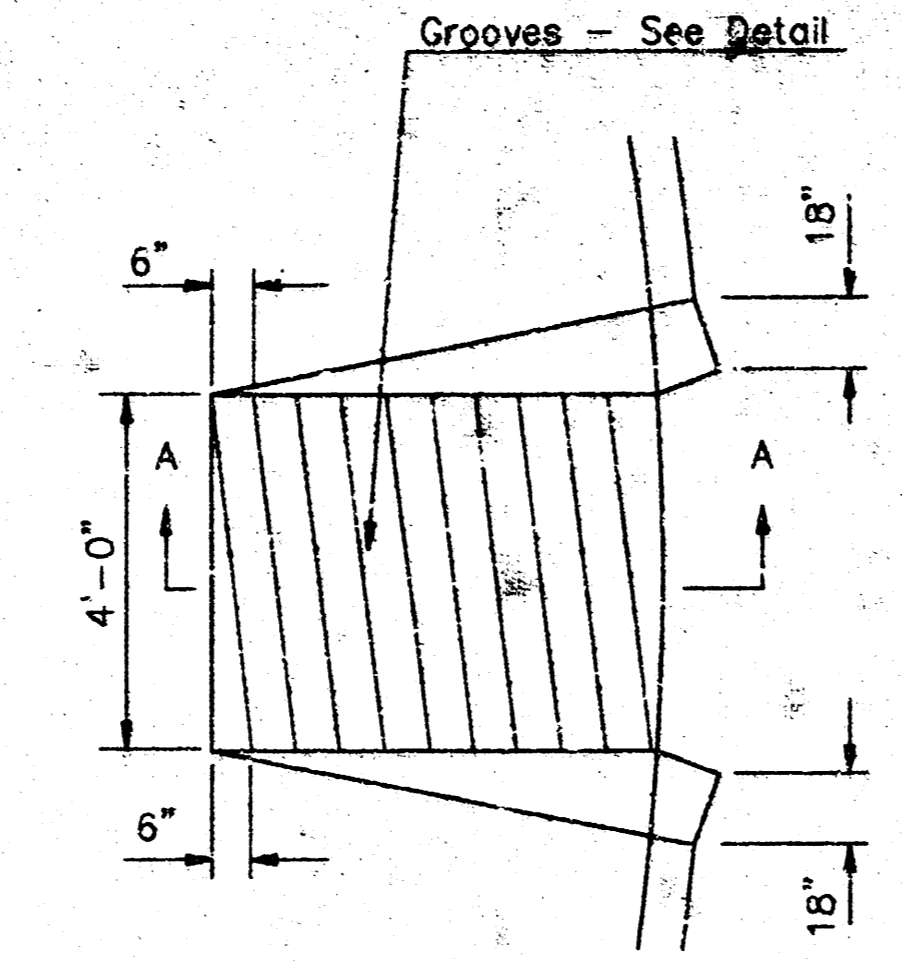
CONTRACTION JOINT DETAIL (C.J.)



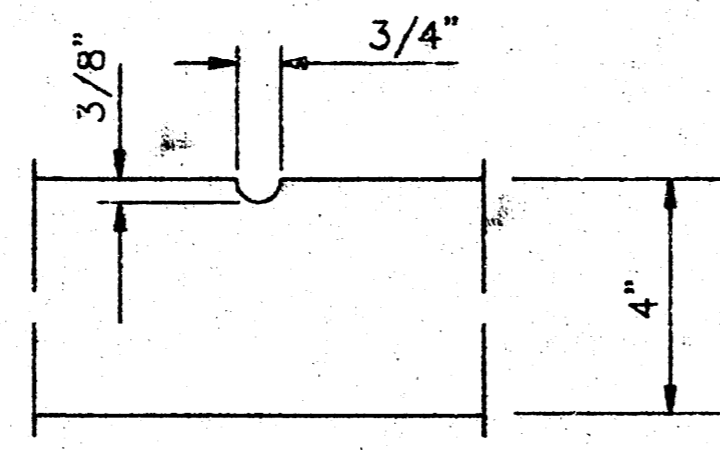
LONGITUDINAL JOINT DETAIL (L.J.)



LONGITUDINAL JOINT DETAIL (L.J.)

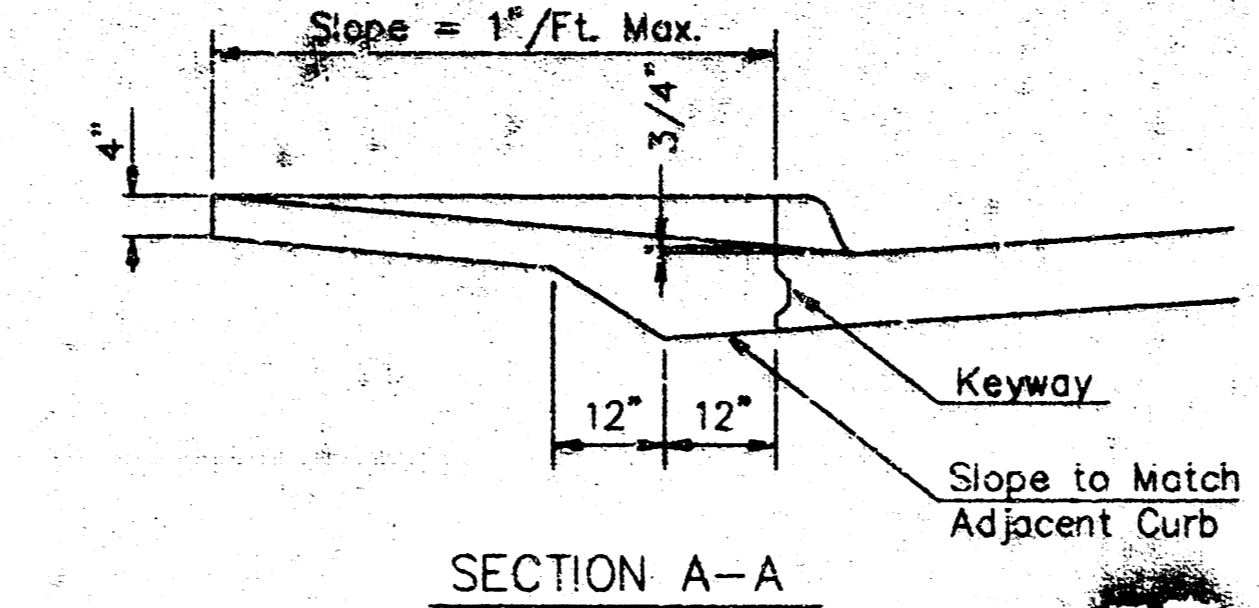


WHEELCHAIR RAMP PLAN VIEW

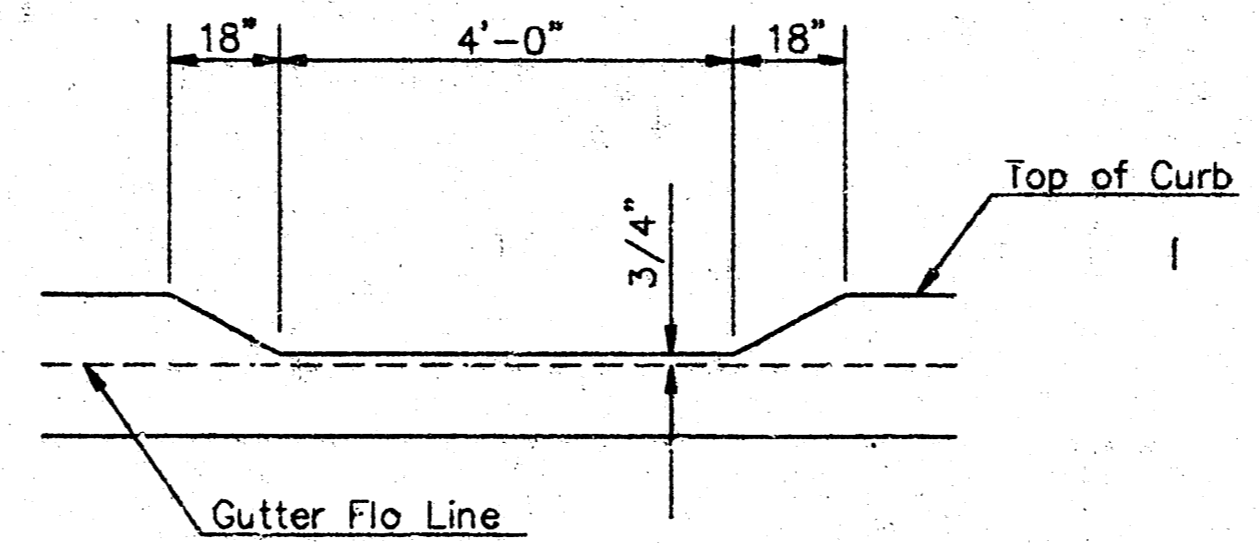


GROOVE DETAIL

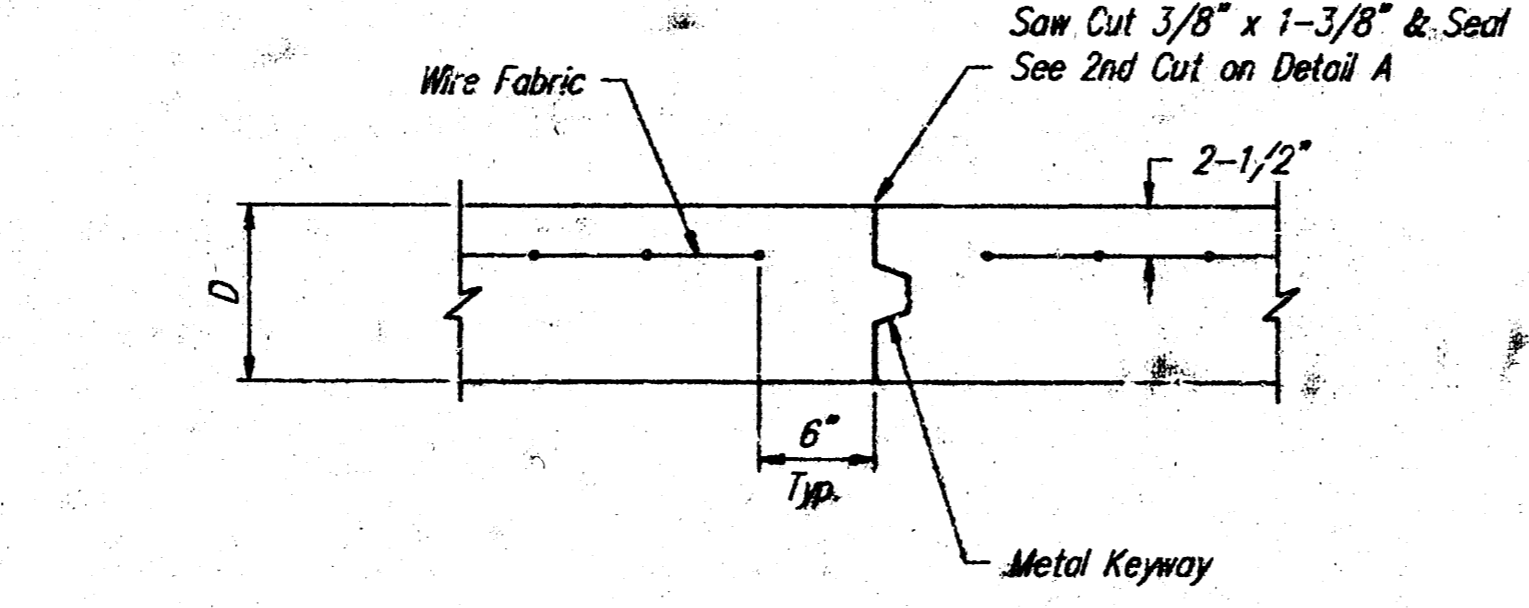
WHEELCHAIR RAMP DETAIL



SECTION A-A

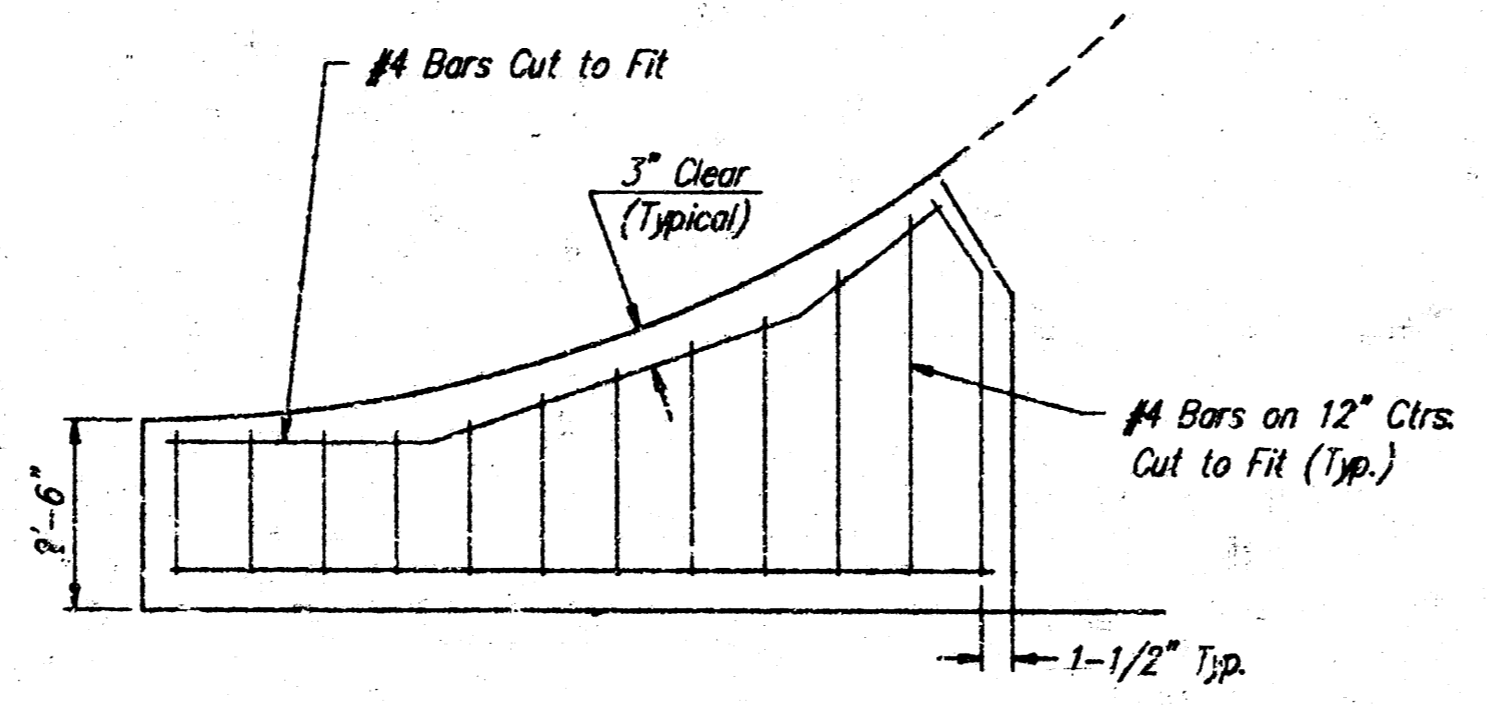


DEPRESSED CURB DETAIL

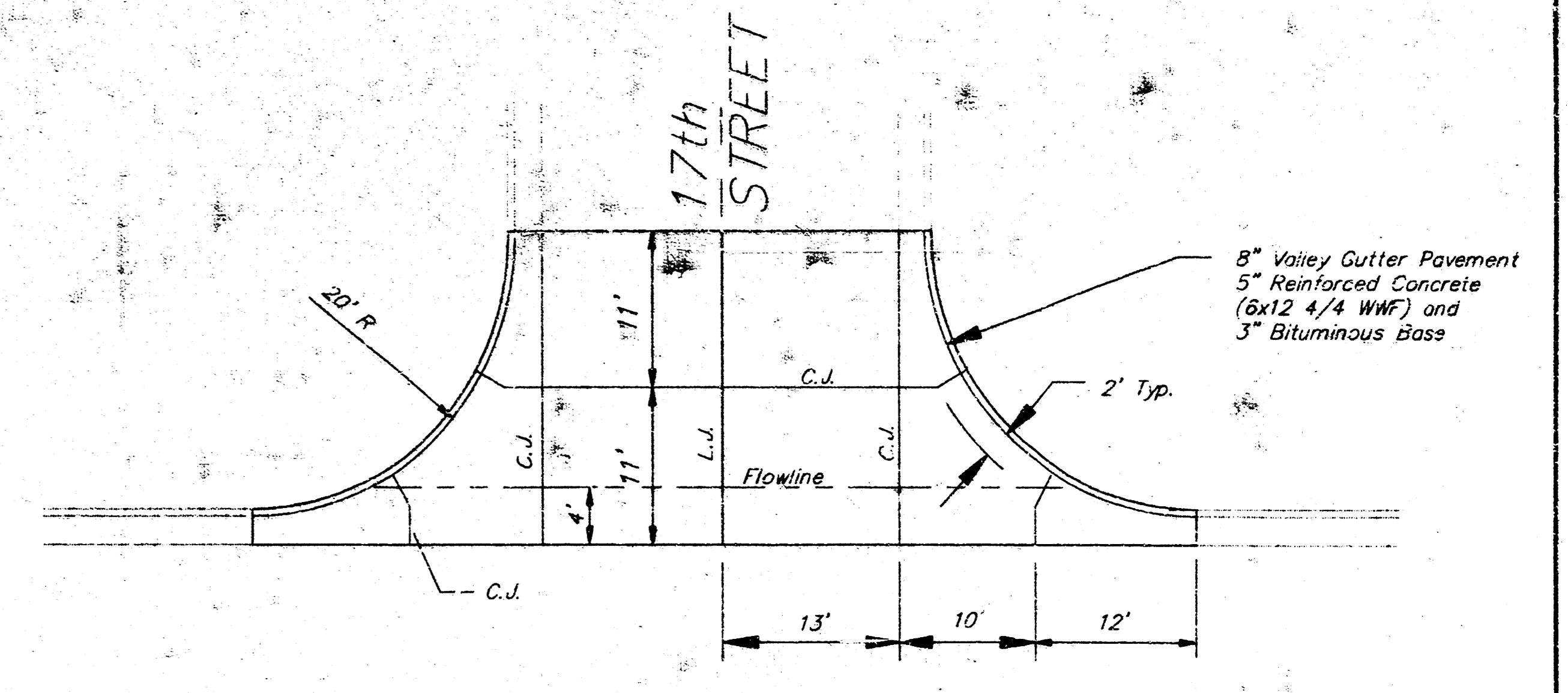


OPTIONAL CONTRACTION CONST. JOINT (C.J.)

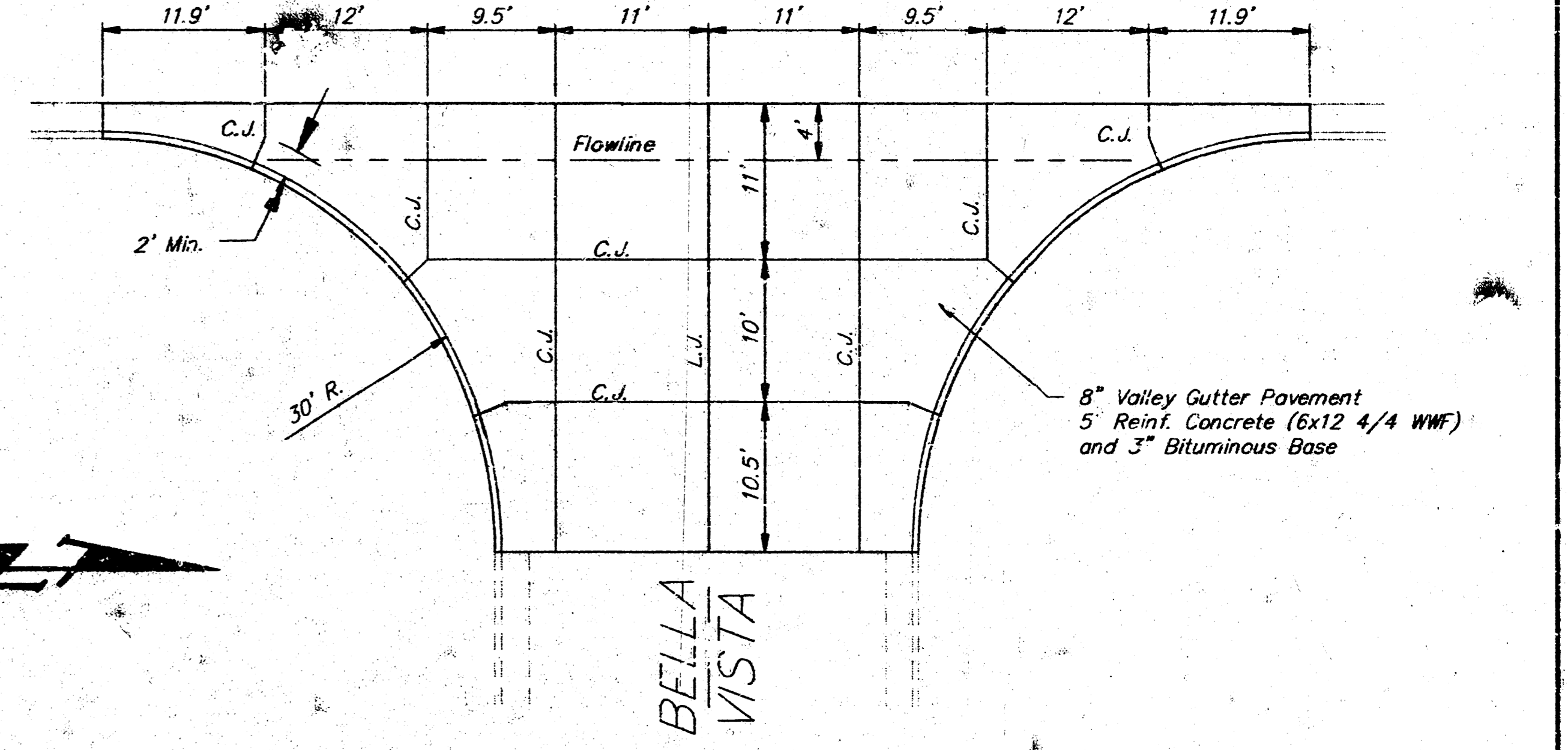
(ALTERNATE C.J.)



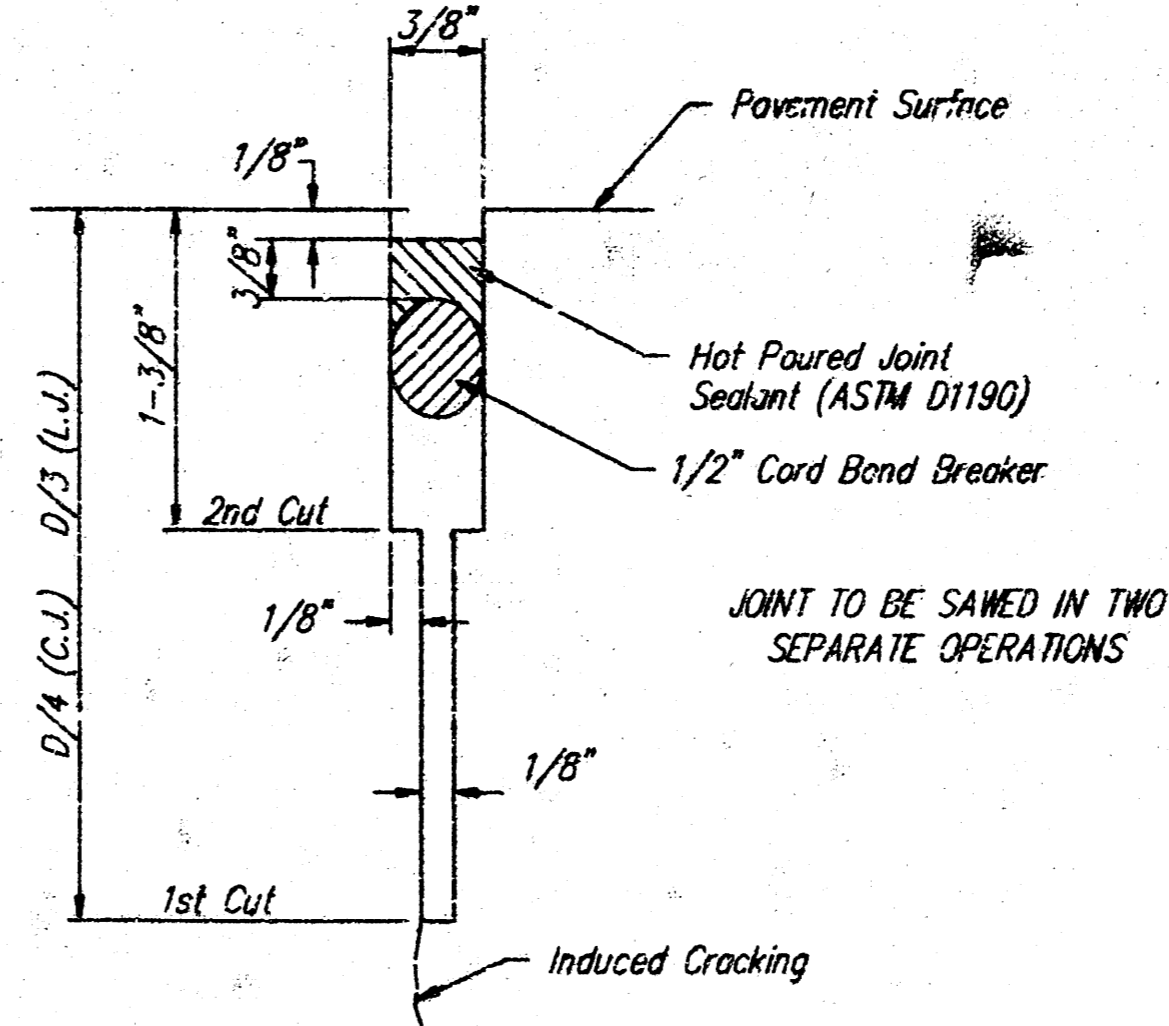
WING REINFORCING DETAIL



VALLEY GUTTER JOINT PLAN AT 17TH STREET



VALLEY GUTTER JOINT PLAN AT BELLA VISTA

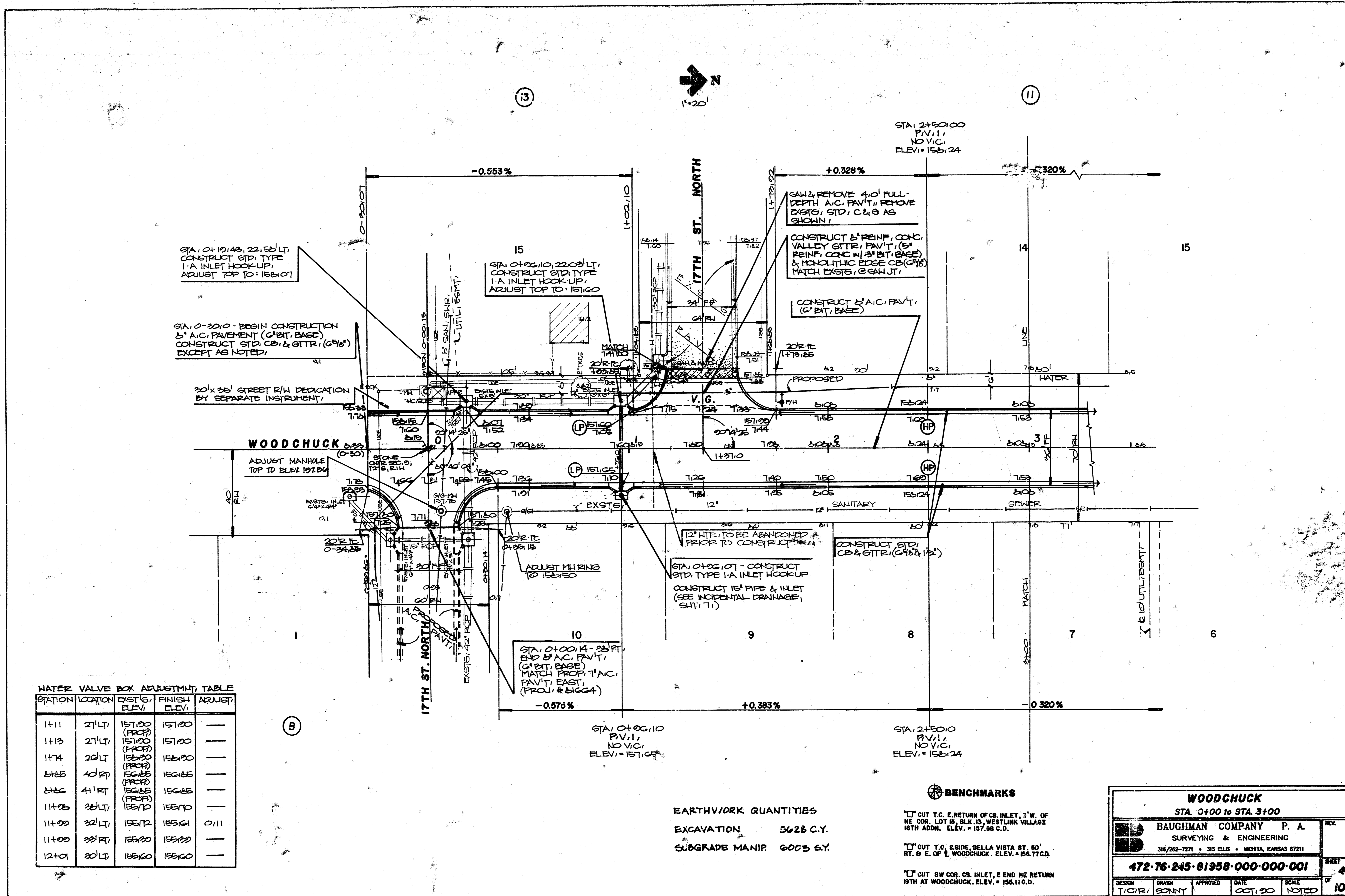


SAW JOINT DETAIL

MISC\WOOL-VG

VALLEY GUTTER DETAILS					
BAUGHMAN COMPANY P. A. ENGINEERING & SURVEYING 316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211					REV.
PROJECT NUMBER: 472-76-245-81258-000-001					SHEET 3
DESIGN CMB/TCP	DRAWN CMB/JL	APPROVED	DATE 10-10-90	SCALE 1" = 20'	OF 10

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STA. 0+10.43, 22.15 LT,
CONSTRUCT STD. TYPE
1-A INLET HOOK-UP,
ADJUST TOP TO: 1561.07

STA. 0+20.0 - BEGIN CONSTRUCTION
5" A.C. PAVEMENT (G'BIT, BASE)
CONSTRUCT STD. CB & GTR (G'BIT)
EXCEPT AS NOTED.

15
STA. 0+26.10, 22.03 LT,
CONSTRUCT STD. TYPE
1-A INLET HOOK-UP,
ADJUST TOP TO: 1571.60

SAW & REMOVE 4" FULL-
DEPTH A.C. PAV'T. REMOVE
EXISTS, STD, C & G AS
SHOWN.

CONSTRUCT 5" REINF. CONC.
VALLEY GTR. PAV'T. (5"
REINF. CONC W/ 3" BIT. BASE)
& MONOLITHIC EDGE CB (G'BIT)
MATCH EXISTS @ SAW JT.

CONSTRUCT 5" A.C. PAV'T.
(G'BIT, BASE)

12" LITE. TO BE ABANDONED
PRIOR TO CONSTRUCTION.

STA. 0+26.07 - CONSTRUCT
STD. TYPE 1-A INLET HOOK-UP
CONSTRUCT 15" PIPE & INLET
(SEE INCIDENTAL DRAINAGE,
SHEET 1)

10
STA. 0+00.14 - 23' FT.
END 5" A.C. PAV'T.
(G'BIT, BASE)
MATCH PROP. 1" A.C.
PAV'T. EAST.
(PROJ. # 61664)

WATER VALVE BOX ADJUSTMENT TABLE

STATION	LOCATION	EXIST'G. ELEV.	FINISH ELEV.	ADJUST.
1+11	27' LT.	1571.00 (PROP)	1571.00	---
1+13	27' LT.	1571.00 (PROP)	1571.00	---
1+14	26' LT.	1561.30 (PROP)	1561.30	---
2+25	4' RT.	1561.85 (PROP)	1561.85	---
2+26	4' RT.	1561.85 (PROP)	1561.85	---
1+28	38' LT.	1557.0 (PROP)	1557.0	---
1+28	32' LT.	1557.2	1557.1	0.11
1+28	33' RT.	1557.0	1557.0	---
1+21	30' LT.	1551.60	1551.60	---

EARTHWORK QUANTITIES
EXCAVATION 5628 C.Y.
SUBGRADE MANIP. 6003 S.Y.

BENCHMARKS

□ CUT T.C. E. RETURN OF CB. INLET, 3' W. OF
NE COR. LOT 10, BLK. 13, WESTLINK VILLAGE
16TH ADDN. ELEV. = 157.96 C.D.

□ CUT T.C. S. SIDE, BELLA VISTA ST. 50'
RT. & E. OF WOODCHUCK. ELEV. = 156.77 C.D.

□ CUT SW COR. CB. INLET, E END NE RETURN
16TH AT WOODCHUCK. ELEV. = 156.11 C.D.

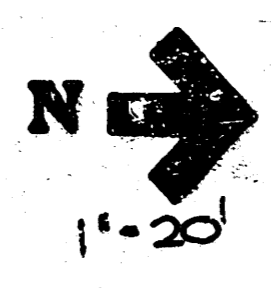
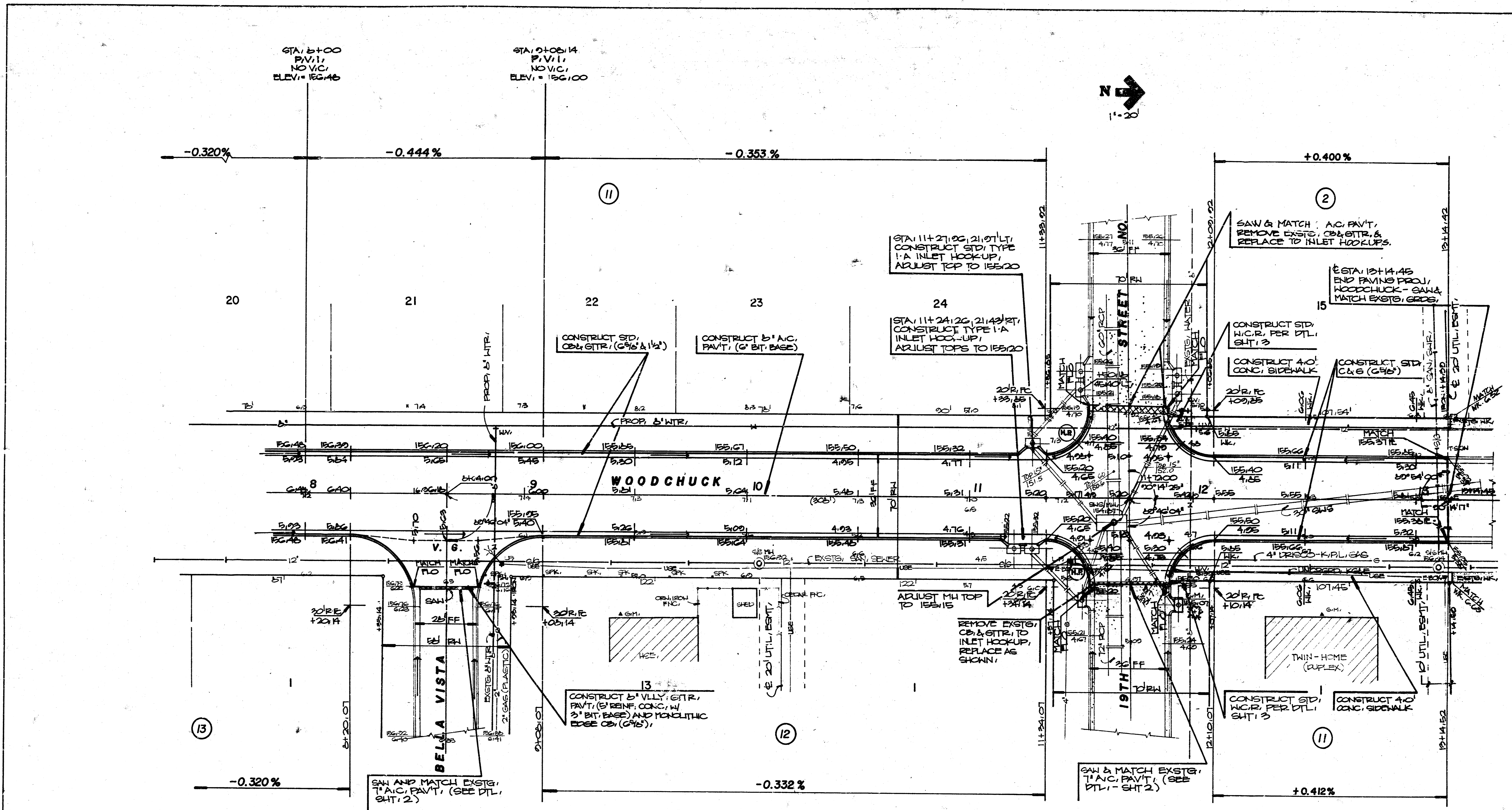
WOODCHUCK
STA. 0+00 to STA. 3+00

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472-76-245-81958-000-000-001

DESIGN	DRAWN	APPROVED	DATE	SCALE	SHEET
TIGR	SONNY		OCT. 20	NOTED	4 OF 10

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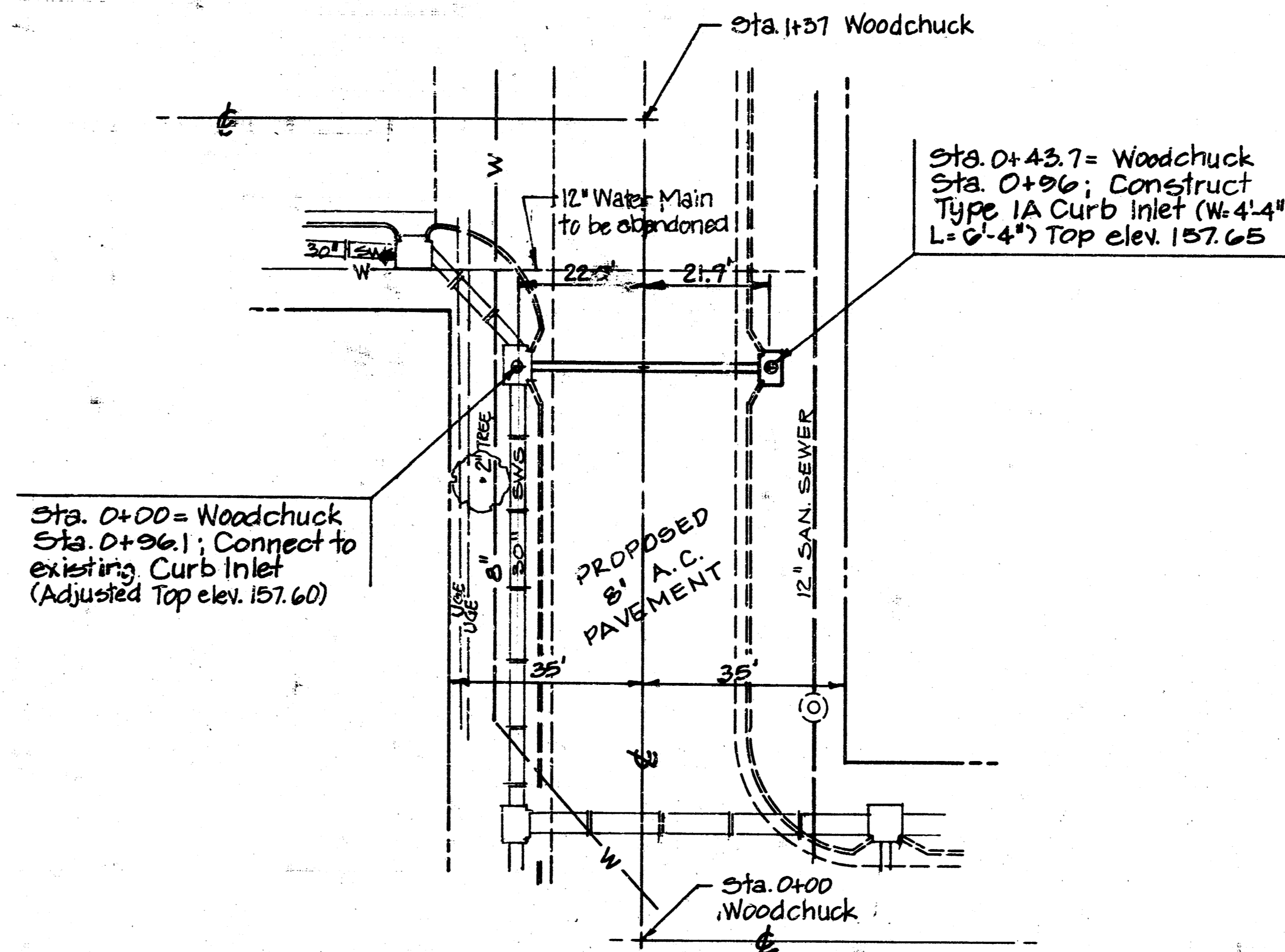
BENCHMARKS

- CUT T.C. E. RETURN OF CB. INLET, 3' W. OF NE COR. LOT 15, BLK. 13, WESTLINK VILLAGE 16TH ADDN. ELEV. = 157.88 C.D.
- CUT T.C. S. SIDE, BELLA VISTA ST. 50' RT. & E. OF E. WOODCHUCK. ELEV. = 156.77 C.D.
- CUT SW COR. CB. INLET, E END NE RETURN 19TH AT WOODCHUCK. ELEV. = 156.17 C.D.

WOODCHUCK	
STA. 8+00 to STA. 13+14.35	
	BAUGHMAN COMPANY P. A.
	SURVEYING & ENGINEERING
316/282-7271 • 315 ELLIS • WICHITA, KANSAS 67211	
472-76-245-81958-000-000-001	
DESIGN TIC/R	DRAWN SONNY
APPROVED	DATE OCT, 00
SCALE NOTED	SHEET 6 OF 10

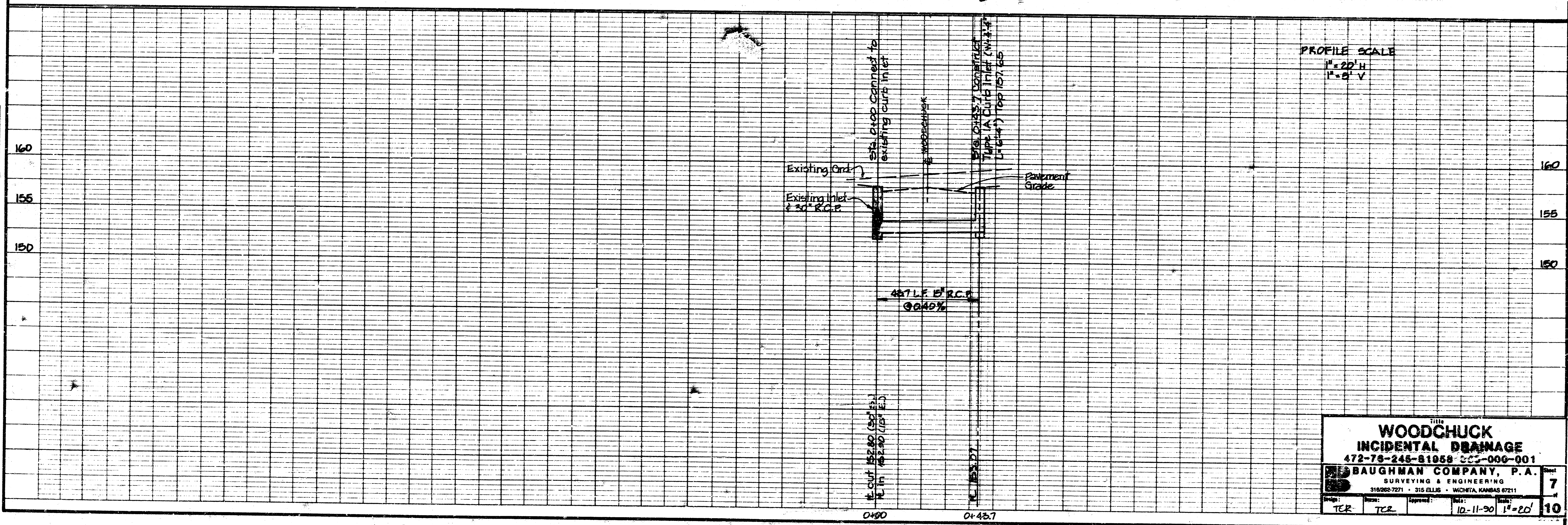
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PLAN	NO.
DATE	
BY	
CHKD	
APP'D	
DATE	
BY	
CHKD	
APP'D	
DATE	
BY	
CHKD	
APP'D	
DATE	



- BENCHMARKS**
- CUT T.C. E. RETURN OF CS. INLET, S.W. OF NE COR. LOT 15, BLK. 15, WESTLARK VILLAGE 18TH ADDN. ELEV. = 157.08 S.D.
 - CUT T.C. S.SIDE, BELLA VISTA ST. 80' ST. & E. OF E. WOODCHUCK. ELEV. = 156.77 C.D.
 - CUT SW COR. CS. INLET, E END NE RETURN 18TH AT WOODCHUCK. ELEV. = 156.11 C.D.

PROFILE	NO.
DATE	
BY	
CHKD	
APP'D	
DATE	
BY	
CHKD	
APP'D	
DATE	
BY	
CHKD	
APP'D	
DATE	



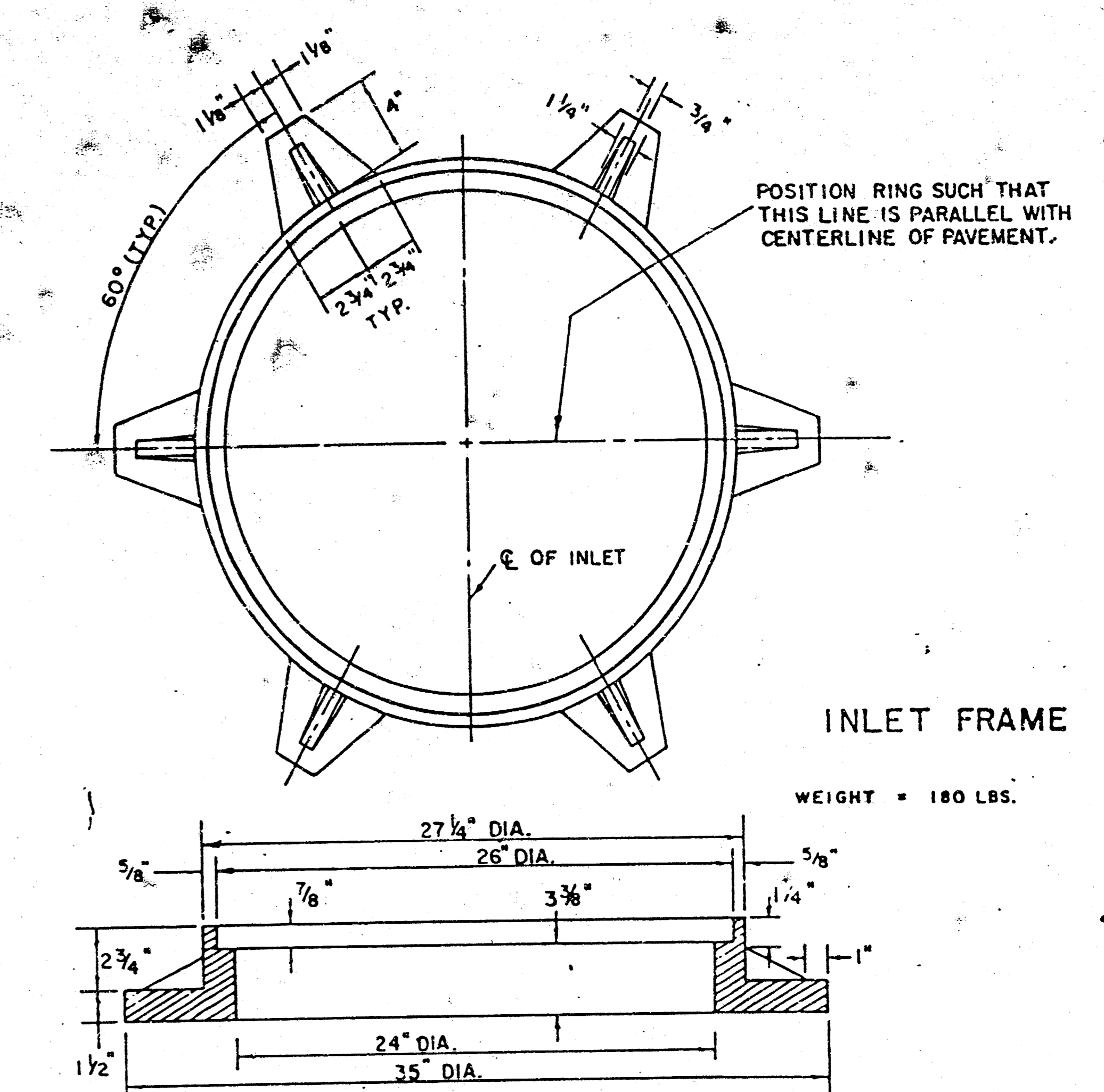
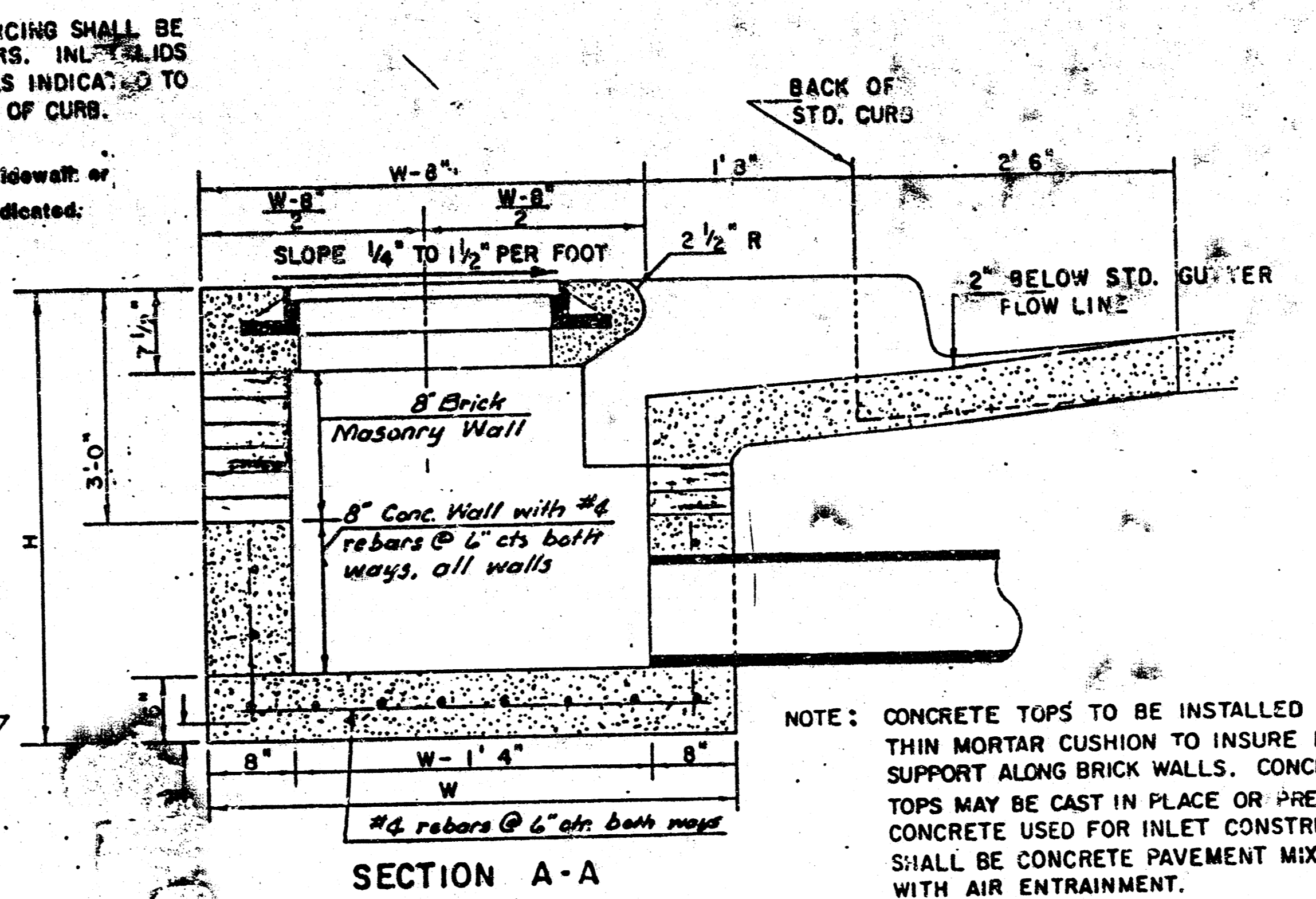
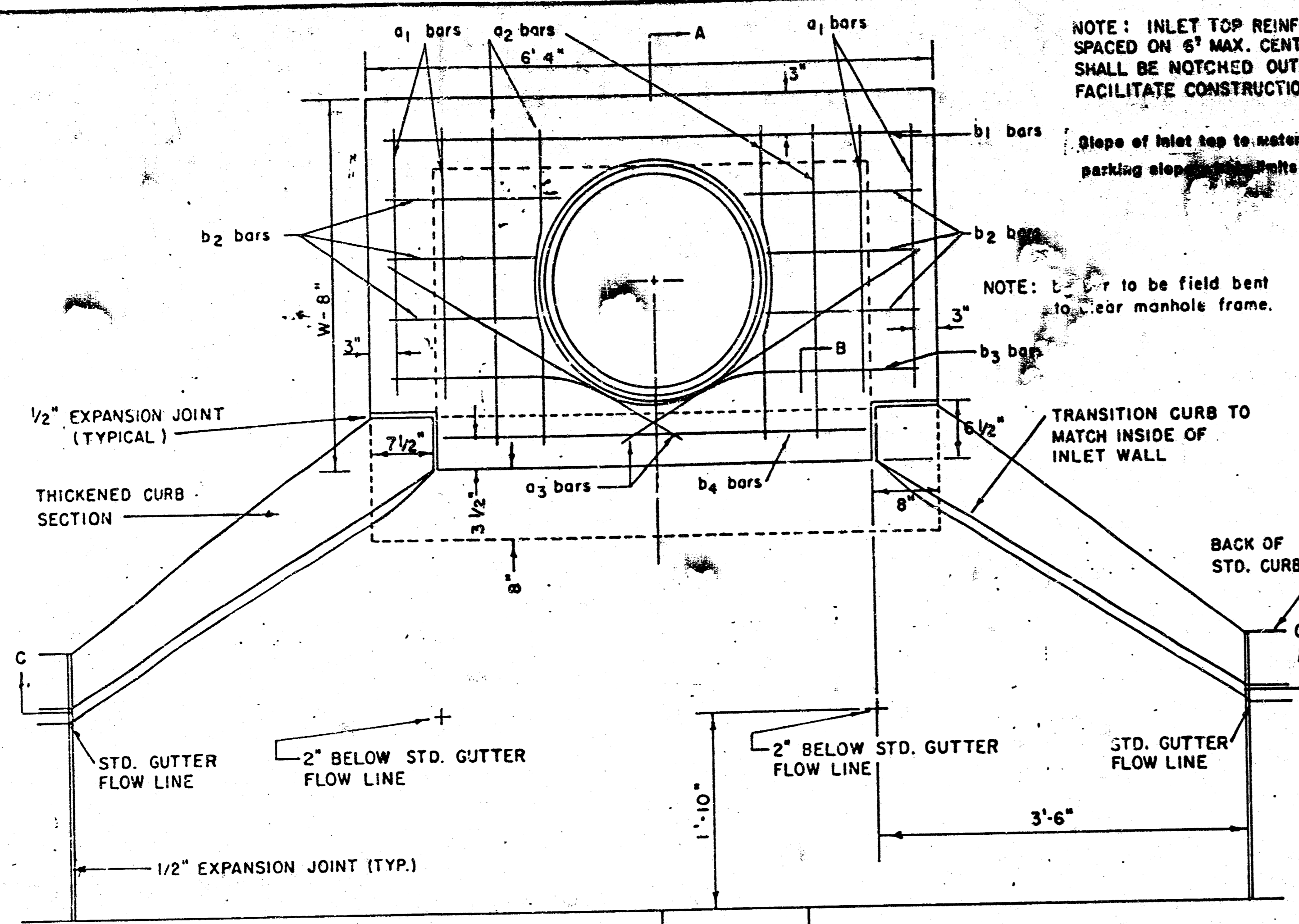
WOODCHUCK INCIDENTAL DRAINAGE
 472-78-245-81058 505-000-001

BAUGHMAN COMPANY, P.A.
 SURVEYING & ENGINEERING
 318205-7271 318 0115 - WICHITA, KANSAS 67211

Project: TCR Date: 10-11-90 Scale: 1"=20'

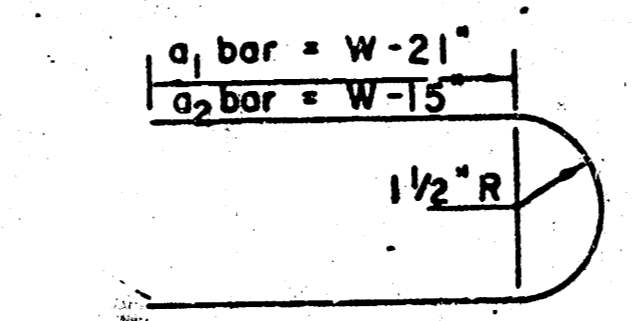
Sheet: 7 of 10

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

PLAN



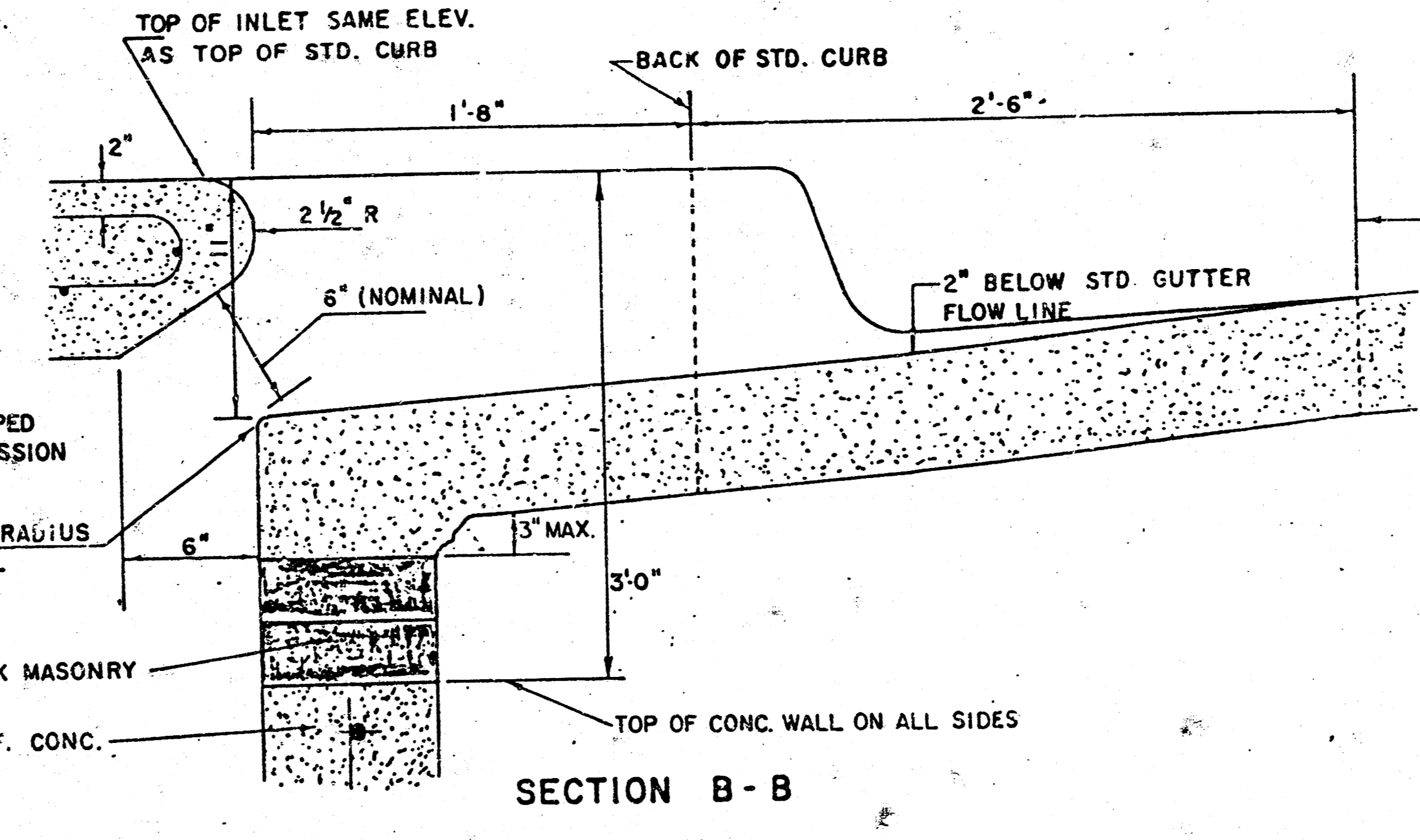
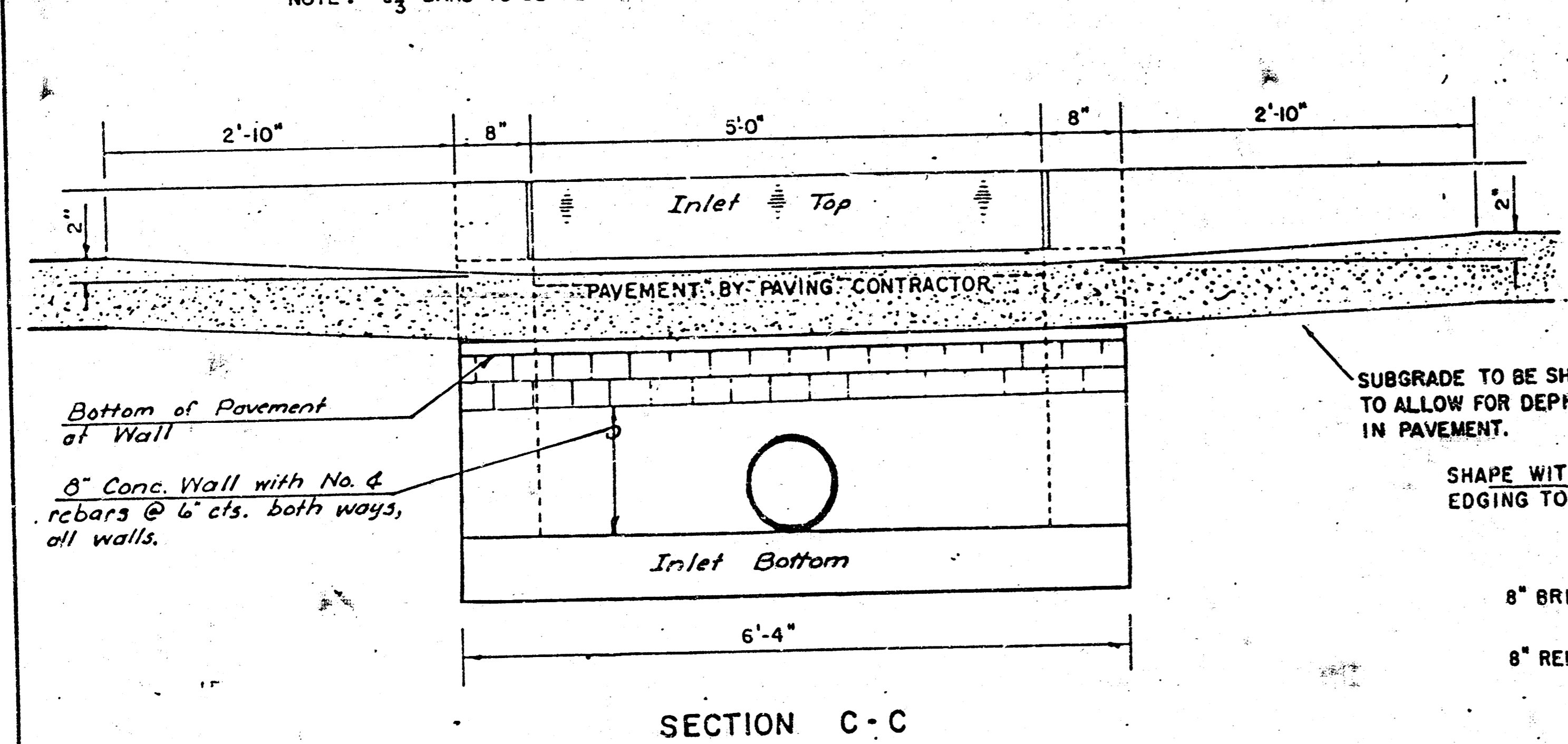
STEEL SCHEDULE

BAR NUMBER	a1	a2	a3	b1	b2	b3	b4	WT. LBS.
4	4	2	1	3	5	7	9	6
SIZE	"4	"4	"4	"4	"4	"4	"4	"6
LENGTH	W=4'4"	5'7"	6'7"	4'0"	6'1"	-	-	1'9"
	W=5'4"	7'7"	8'7"	5'0"	6'1"	-	-	1'9"
	W=6'4"	9'7"	10'7"	6'0"	6'1"	-	-	1'9"
	W=7'4"	11'7"	12'7"	7'0"	6'1"	-	-	1'9"
	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

W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4'4"	5'6" x 6'4" x 7 1/2"	21" Δ SMALLER	1.09±
5'4"	6'6" x 6'4" x 7 1/2"	24" Δ 30"	0.51±
6'4"	5'6" x 6'4" x 7 1/2"	36" Δ 42"	0.64±
7'4"	5'6" x 6'4" x 7 1/2"	48" Δ 54"	0.77±
8'4"	7'6" x 6'4" x 7 1/2"	60" Δ 66"	0.90±

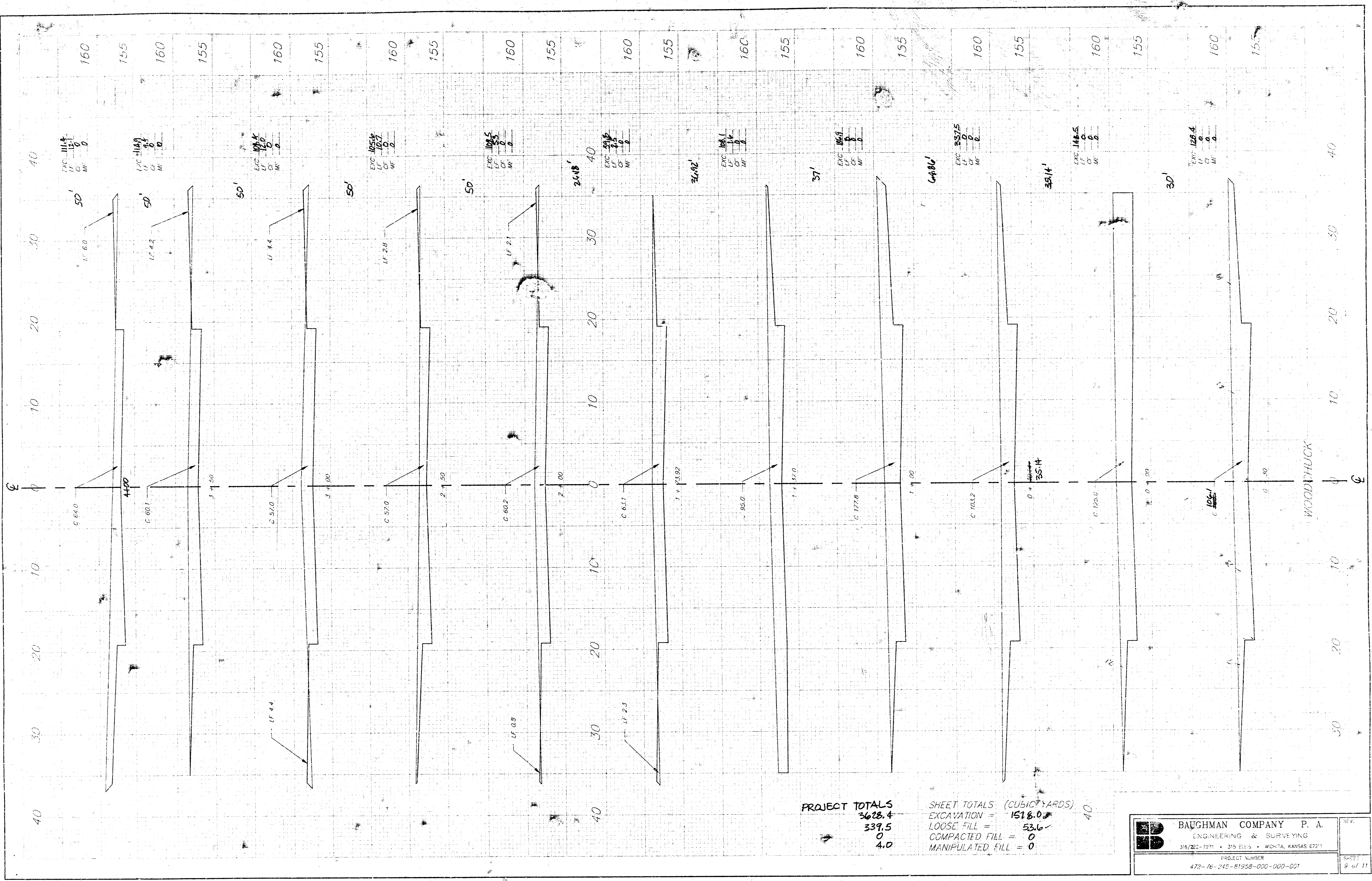
BENDING DIAGRAM



REVISED 11-30-1988
REVISED 12-21-1984

DETAIL STANDARD TYPE IA CURB INLET
CITY OF WICHITA, KANSAS
INLET OPENING = 6" x 5' 0"
472-76-245-81858-000-000-001
JUNE 1984

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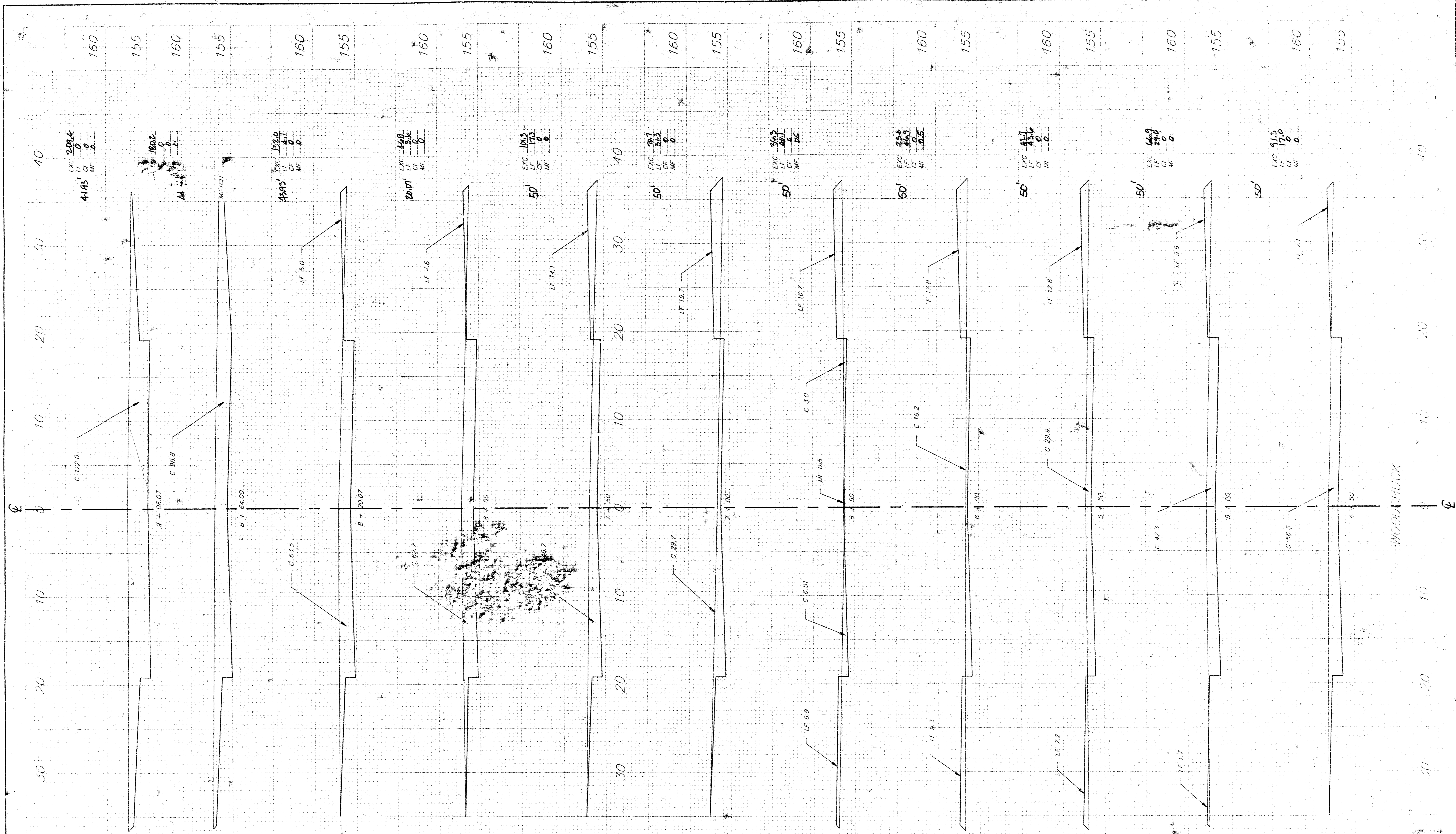


PROJECT TOTALS
 3628.4
 339.5
 0
 4.0

SHEET TOTALS (CUBIC YARDS)
 EXCAVATION = 1518.0
 LOOSE FILL = 536
 COMPACTED FILL = 0
 MANIPULATED FILL = 0

	BAUGHMAN COMPANY P. A. ENGINEERING & SURVEYING 315/222-7271 • 315 ELLIS • WICHITA, KANSAS 67211	REV.
	PROJECT NUMBER	SHEET
	472-76-245-81958-000-000-001	9 of 11

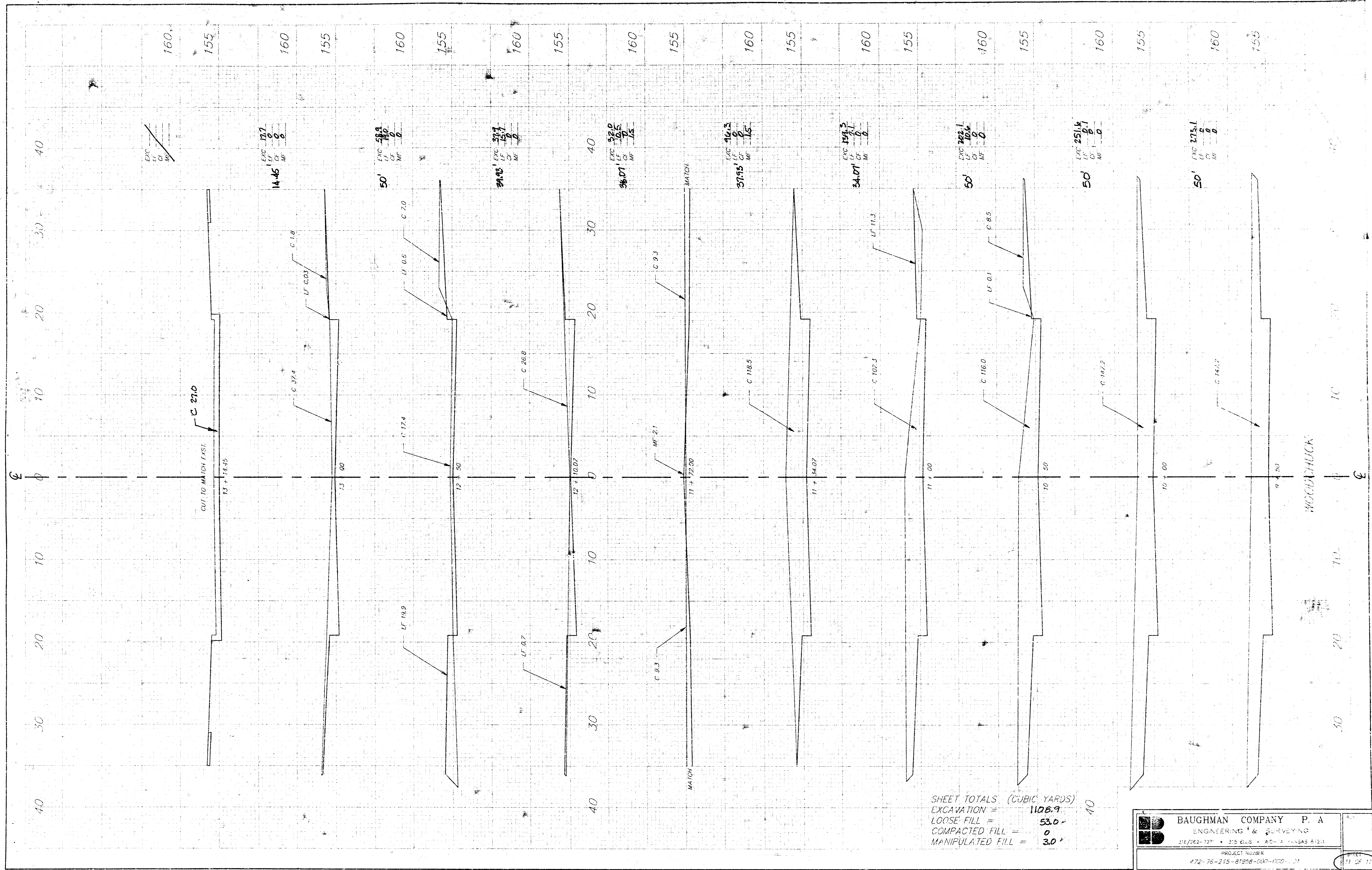
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SHEET TOTALS (CUBIC YARDS)
 EXCAVATION = 1001.5'
 LOOSE FILL = 252.9'
 COMPACTED FILL = 0'
 MANIPULATED FILL = 1.0'

BAUGHMAN COMPANY P. A.
 ENGINEERING & SURVEYING
 216/293-7271 • 315 ELLS • WICHITA, KANSAS 67211
 PROJECT NUMBER
 472-76-245-61858-000-900-001

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SHEET TOTALS (CUBIC YARDS) 40
 EXCAVATION = 1106.9
 LOOSE FILL = 53.0
 COMPACTED FILL = 0
 MANIPULATED FILL = 3.0

BAUGHMAN COMPANY P. A.
 ENGINEERING & SURVEYING
 318/262-927 • 315 ELLS • RD. A • KANSAS CITY
 PROJECT NUMBER
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