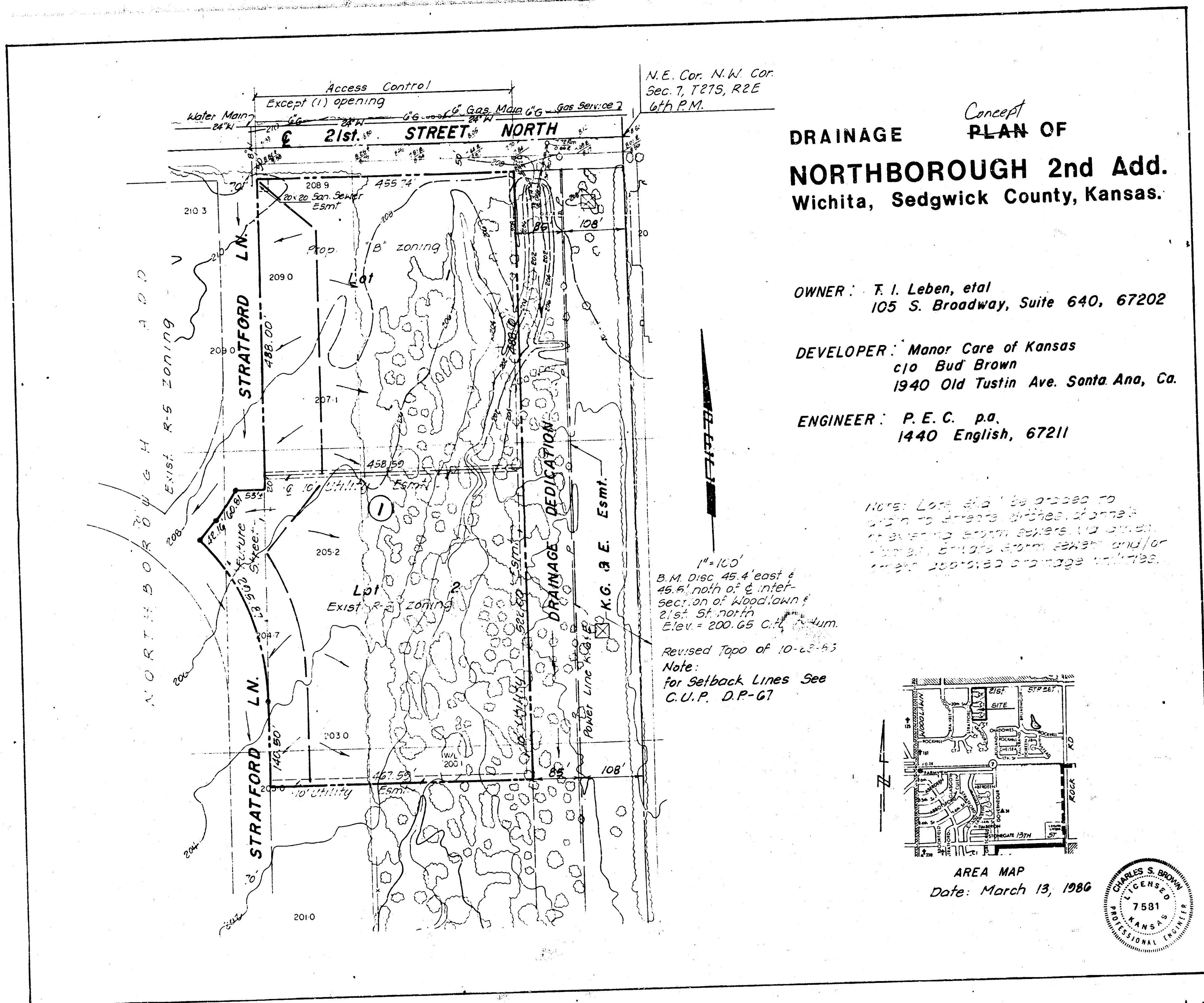




MEMO

TO: City of Wichita PROJECT NO. 36-86173-2026
PROJECT: Northborough
2nd Addition
ATTN: Chris Breitenstein, P.E. DATE: 3-18-86
FROM: Charles S. Brown, P.E.
REFERENCE: Drainage Plan Concept

COPIES TO:
Forrest Nagley, MAPD

PLEASE ADVISE IMMEDIATELY OF ANY MISCONCEPTIONS OR OMISSIONS YOU BELIEVE TO BE CONTAINED HEREIN.

Transmitted herewith are 2 prints of the Drainage Plan for the proposed Northborough 2nd Addition.

The Preliminary Plat was submitted on March 14, 1986 for hearing by the Subdivision Committee on March 27.

If you have any questions, please advise.

RESOLUTION

THIS AGREEMENT, made and entered into this 22nd day of July, 1977, by and between THEODORE GORE, Mayor of the City of Wichita, hereinafter called "Grantor," and THE CITY OF WICHITA, hereinafter called "Grantee," is hereby acknowledged, hereby Grantor grants an easement for the construction and maintenance of an underground storm sewer drain across the following described real property, to wit:

A strip of land 20.00 feet in width lying 10.00 feet of each side of the following described line: Beginning at a point on the east line of the 1/2 Sec. 7, T27S, R2E, 6th P.M., Sedgwick County, Kansas, said point being 1320.02 feet north of the S.W. corner of the 1/2 Sec. 7, T27S, R2E, 6th P.M., said east line, a distance of 140.00 feet to the end point.

The easement is to be used for the sole purpose of discharging surface water from property presently known as Lot 5, E. E. Juba's Addition to Wichita, Sedgwick Co., Ky, Kansas.

Grantor is also hereby granting an easement to a street or surface channel for the purpose of carrying surface water over the following described real property, to wit: The portion of the 1/2 Sec. 7, T27S, R2E, 6th P.M., Sedgwick County, Kansas, lying between the 1/2 Sec. 7, T27S, R2E, 6th P.M., said east line, a distance of 140.00 feet to the end point.

A strip of land 20.00 feet in width lying 10.00 feet of each side of the following described line: Beginning at a point on the east line of the 1/2 Sec. 7, T27S, R2E, 6th P.M., Sedgwick County, Kansas, said point being 1320.02 feet north of the S.W. corner of the 1/2 Sec. 7, T27S, R2E, 6th P.M., said east line, a distance of 140.00 feet to the end point.

The easement is to be used for the sole purpose of discharging surface water from property presently known as Lot 5, E. E. Juba's Addition to Wichita, Sedgwick Co., Ky, Kansas.

The easement is to be used for the sole purpose of discharging surface water from property presently known as Lot 5, E. E. Juba's Addition to Wichita, Sedgwick Co., Ky, Kansas.

Executed the day and year first above written.

Theodore Gore
Theodore Gore

Robert H. Beren
Robert H. Beren

Charles S. Brown
Charles S. Brown

Approved for Lot 3 which is 1/2 acre

STATE OF KANSAS, SEDGWICK COUNTY, ss.:
The foregoing instrument was acknowledged before me this 22nd day of July, 1977, by Theodore Gore.

My commission expires: 4/14/80

STATE OF KANSAS, SEDGWICK COUNTY, ss.:
The foregoing instrument was acknowledged before me this 22nd day of July, 1977, by Robert H. Beren.

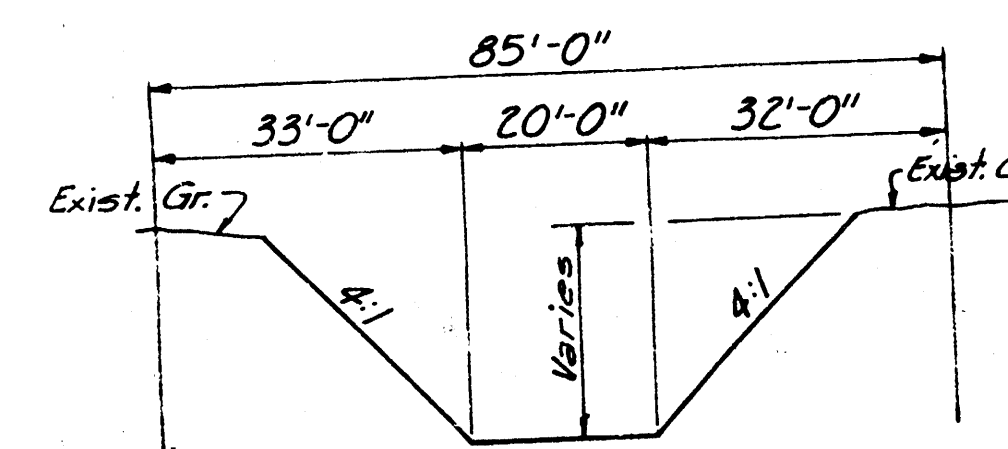
My commission expires:

STATE OF KANSAS, SEDGWICK COUNTY, ss.:
The foregoing instrument was acknowledged before me this 22nd day of July, 1977, by Theodore Gore.

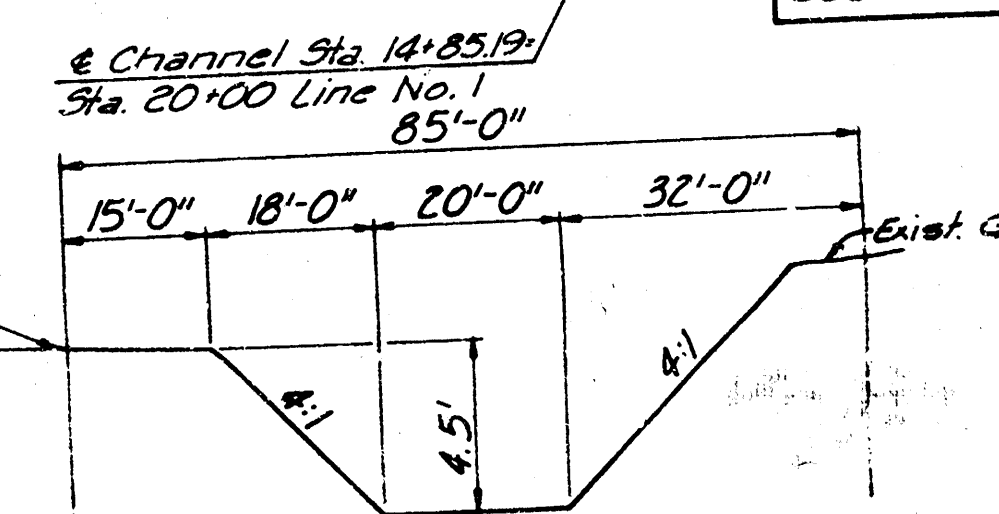
My commission expires: 8-5-78

NOTES

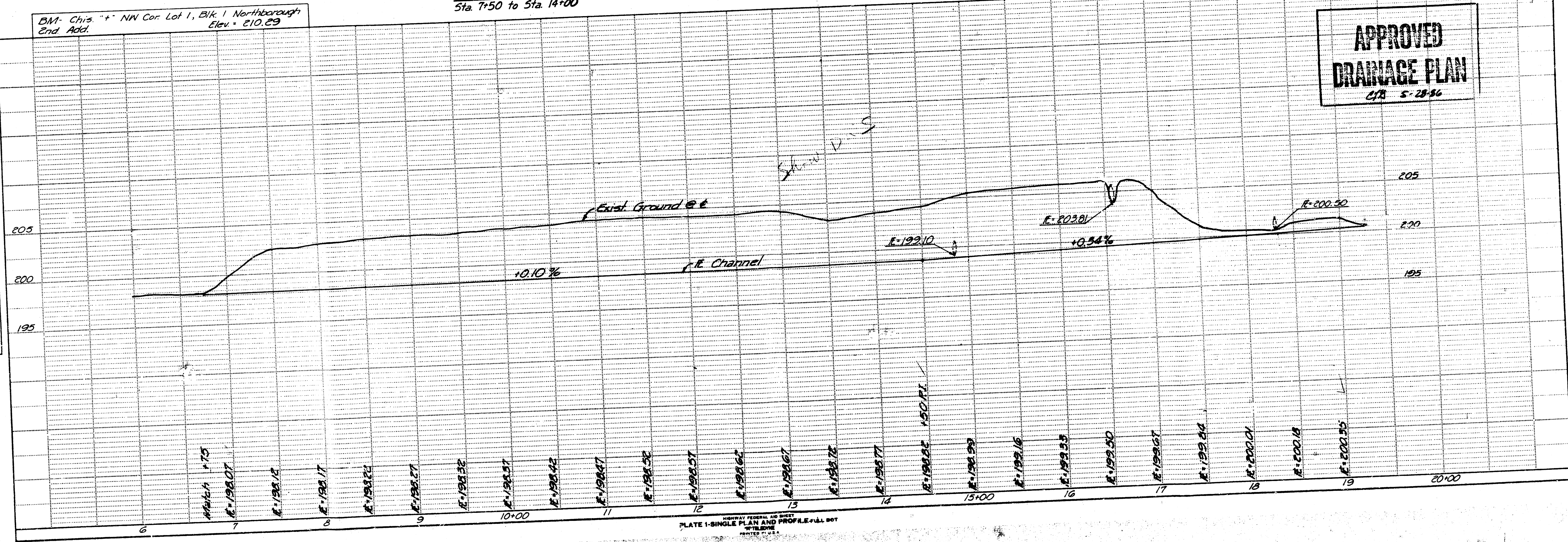
1. All elevations City of Wichita Datum.
2. All construction methods & materials shall conform to City of Wichita Standard Specifications.
3. All disturbed areas, except the channel bottom, shall be seeded, fertilized and mulched in accordance with City specifications.



TYPICAL CHANNEL SECTION
Sta. 7+50 to Sta. 14+00



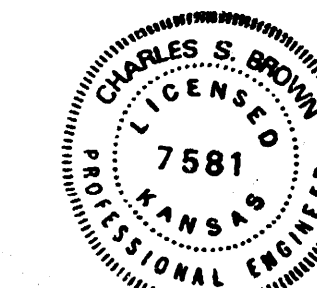
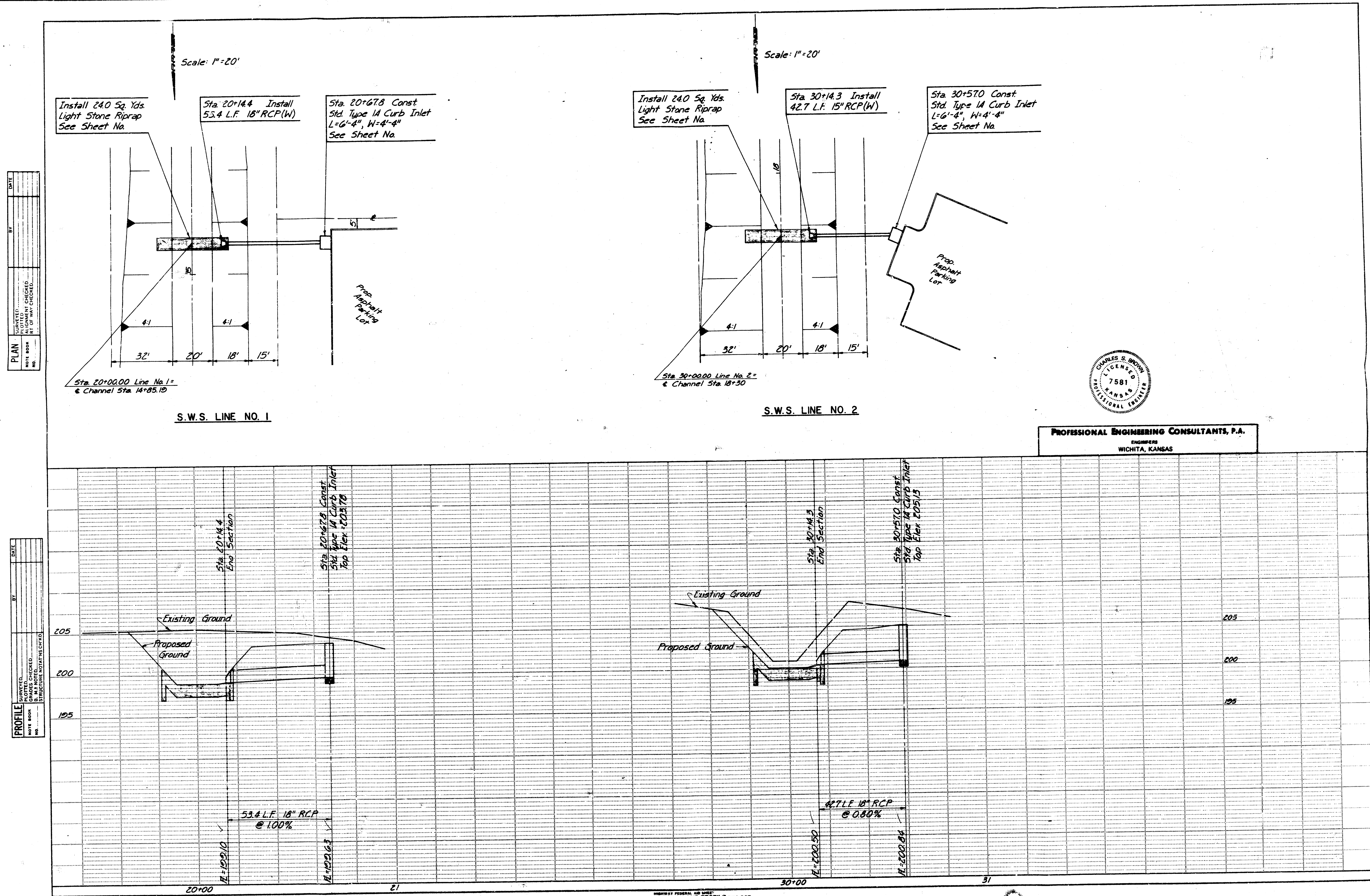
TYPICAL CHANNEL SECTION
Sta. 14+50 to Sta. 19+13



PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

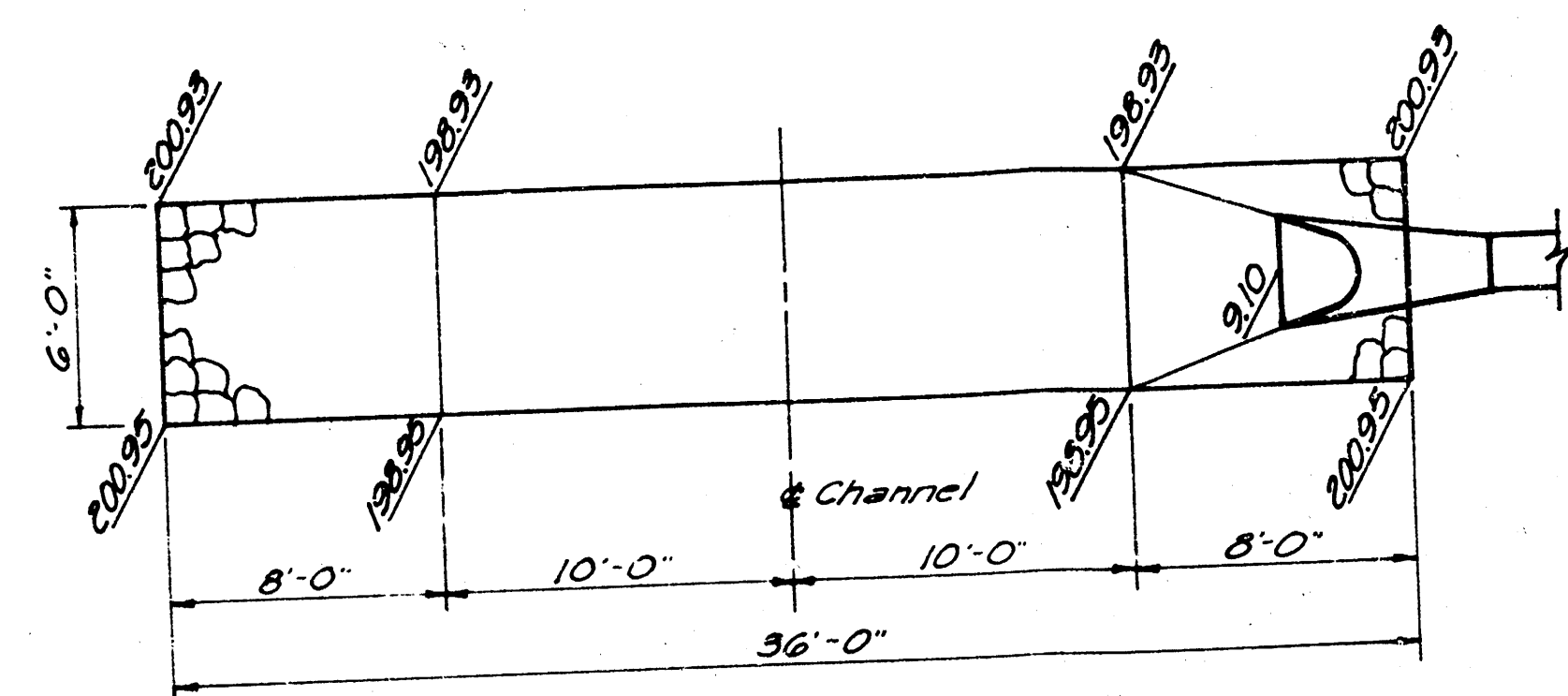
APPROVED
DRAINAGE PLAN
C/A 5-28-86

NORTHBROOK SECOND ADDITION
(Drainage)

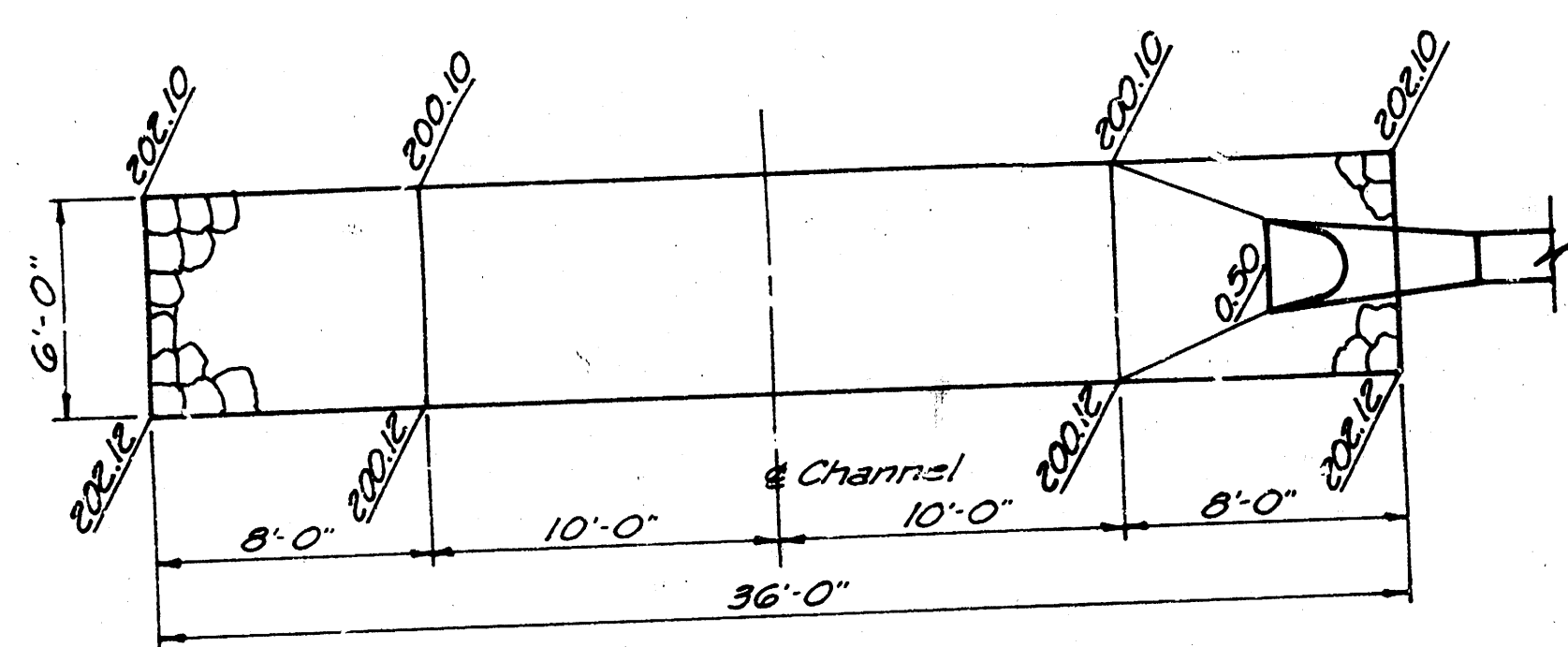


PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

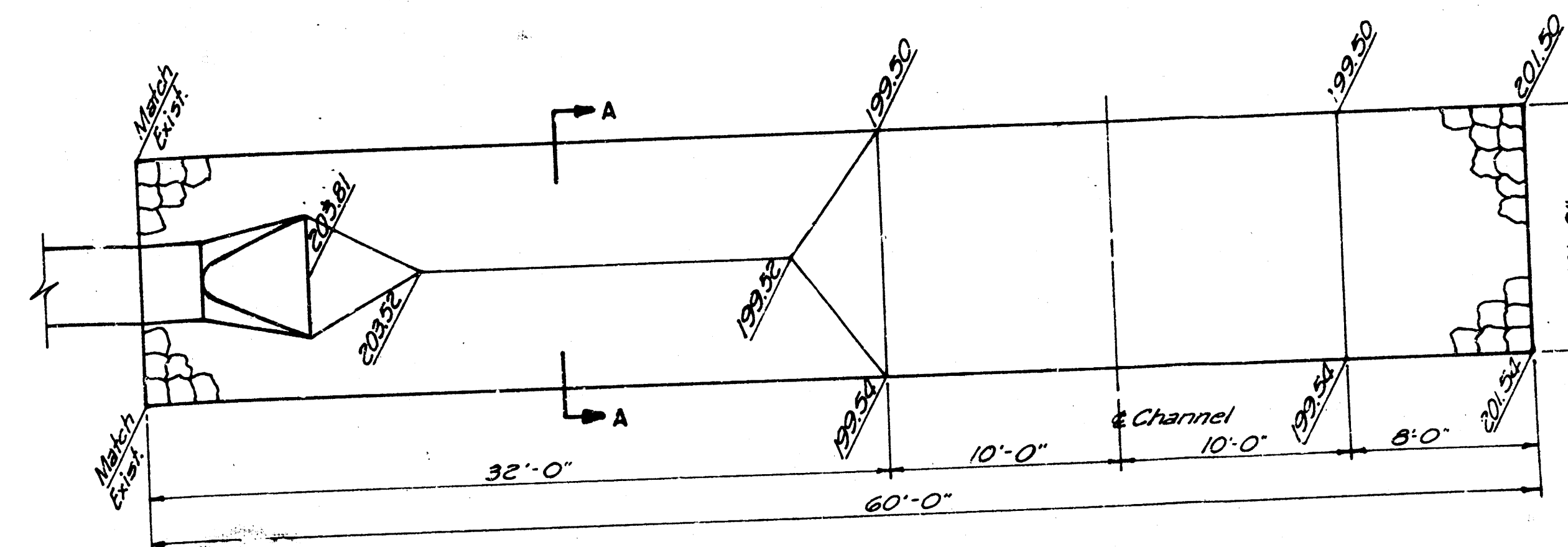
NORTHBOROUGH SECOND ADDITION
(Drainage)



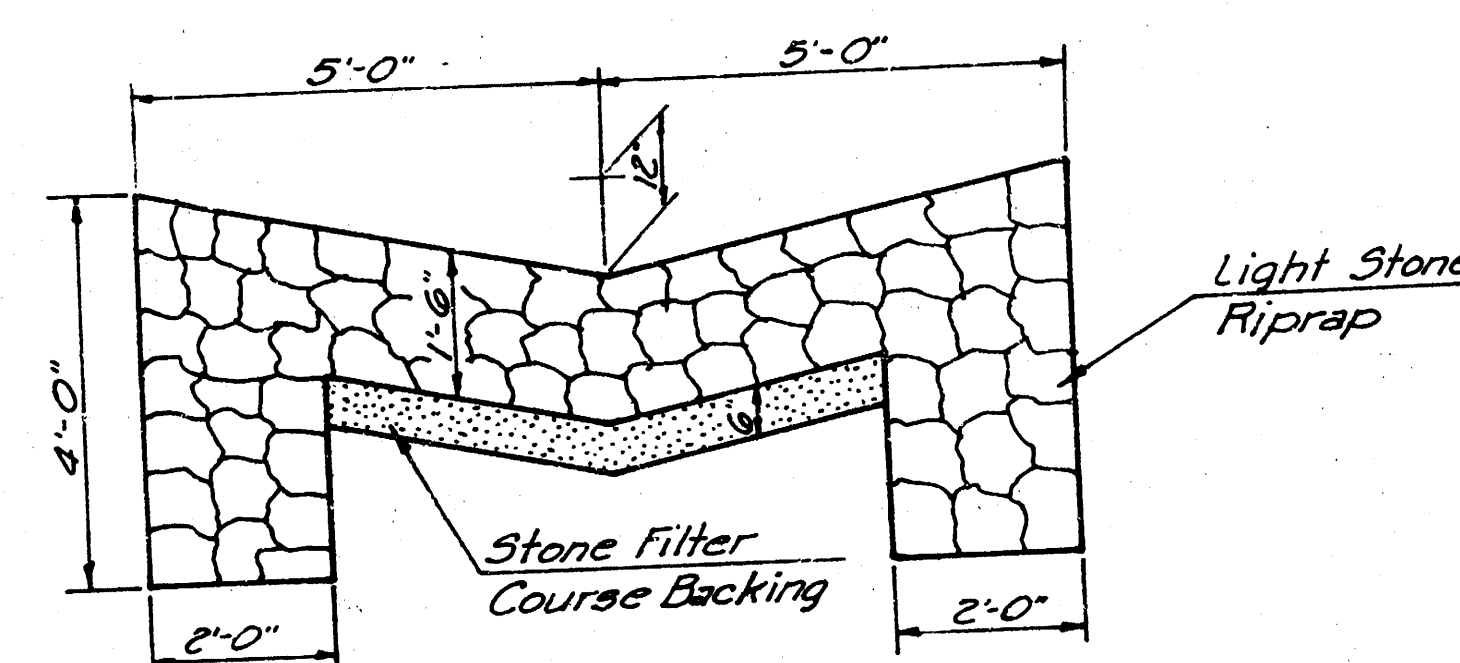
RIPRAP DETAILS
Channel Sta. 14+85.19



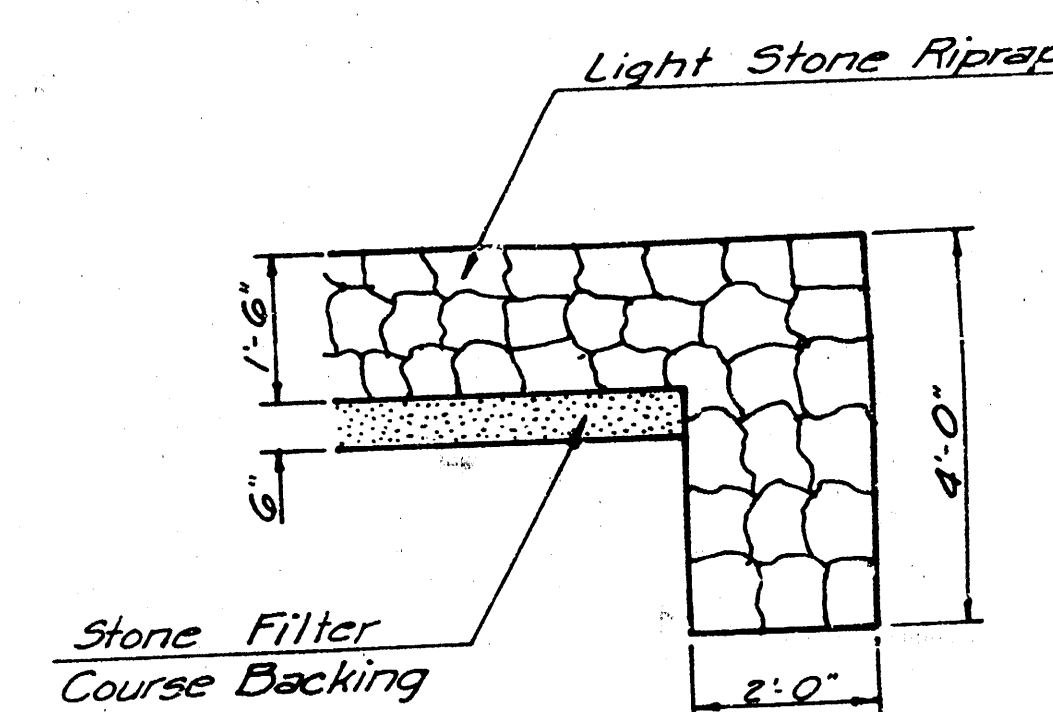
RIPRAP DETAILS
Channel Sta. 18+30



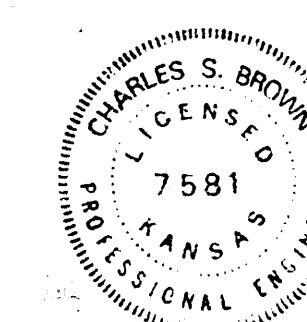
RIPRAP DETAILS
Channel Sta. 16+56



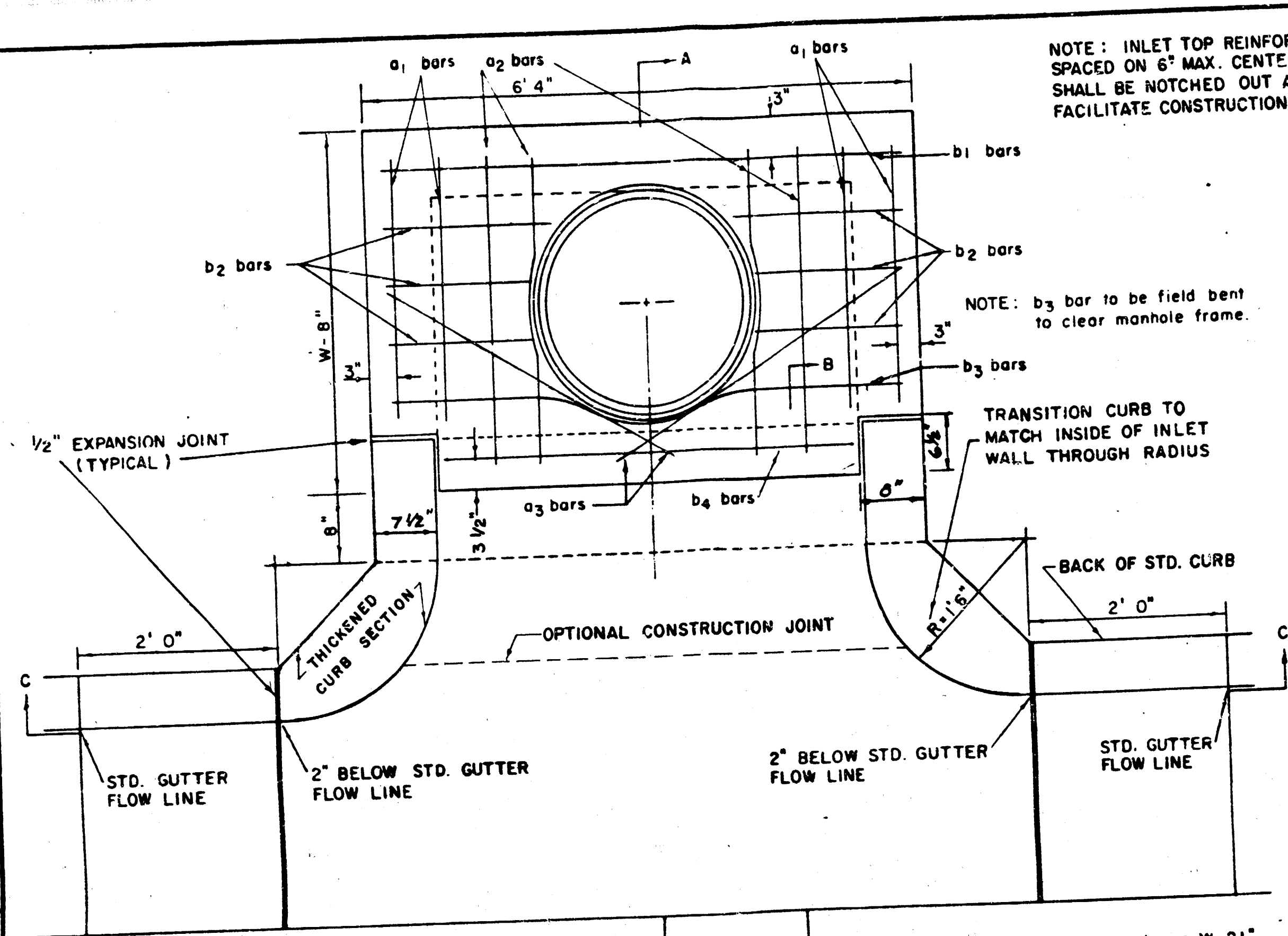
SECTION A-A



TYPICAL SECTION THRU TOEWALL
Note: Toe walls shall be installed along all edges of stone riprap.



PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS



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

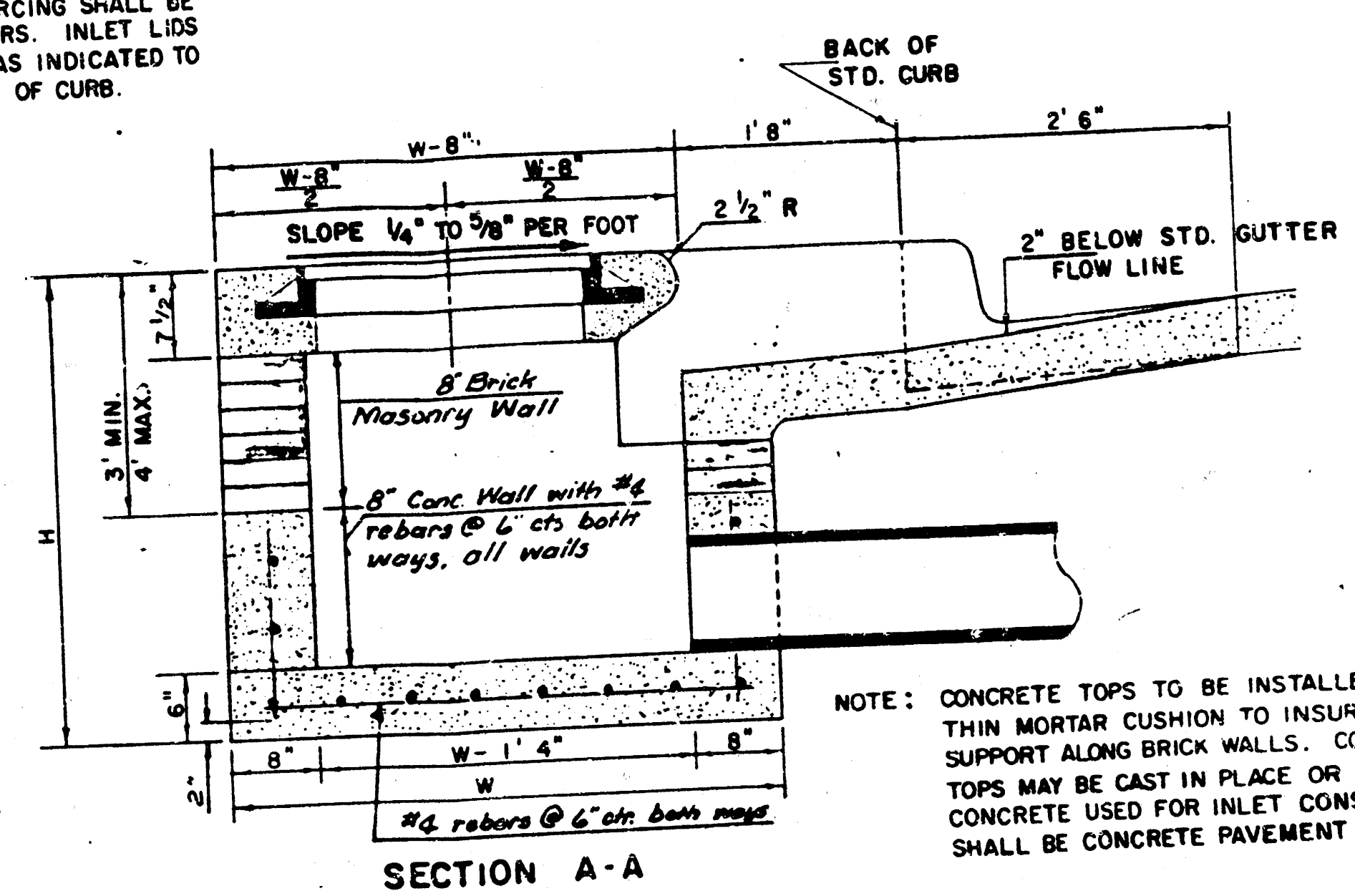
PLAN

STEEL SCHEDULE

BAR NUMBER	a1	a2	a3	b1	b2	b3	b4	WT. LBS.
1	4	4	2	1	3	5	7	3
2	4	4	2	1	3	5	7	3
3	4	4	2	1	3	5	7	3
4	4	4	2	1	3	5	7	3
5	4	4	2	1	3	5	7	3
6	4	4	2	1	3	5	7	3
7	4	4	2	1	3	5	7	3
8	4	4	2	1	3	5	7	3
9	4	4	2	1	3	5	7	3
10	4	4	2	1	3	5	7	3
11	4	4	2	1	3	5	7	3
12	4	4	2	1	3	5	7	3
13	4	4	2	1	3	5	7	3
14	4	4	2	1	3	5	7	3
15	4	4	2	1	3	5	7	3
16	4	4	2	1	3	5	7	3
17	4	4	2	1	3	5	7	3
18	4	4	2	1	3	5	7	3
19	4	4	2	1	3	5	7	3
20	4	4	2	1	3	5	7	3
21	4	4	2	1	3	5	7	3
22	4	4	2	1	3	5	7	3
23	4	4	2	1	3	5	7	3
24	4	4	2	1	3	5	7	3
25	4	4	2	1	3	5	7	3
26	4	4	2	1	3	5	7	3
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43	4	4	2	1	3	5	7	3
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97	4	4	2	1	3	5	7	3
98	4	4	2	1	3	5	7	3
99	4	4	2	1	3	5	7	3
100	4	4	2	1	3	5	7	3

NOTE: a3 BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

BENDING DIAGRAM

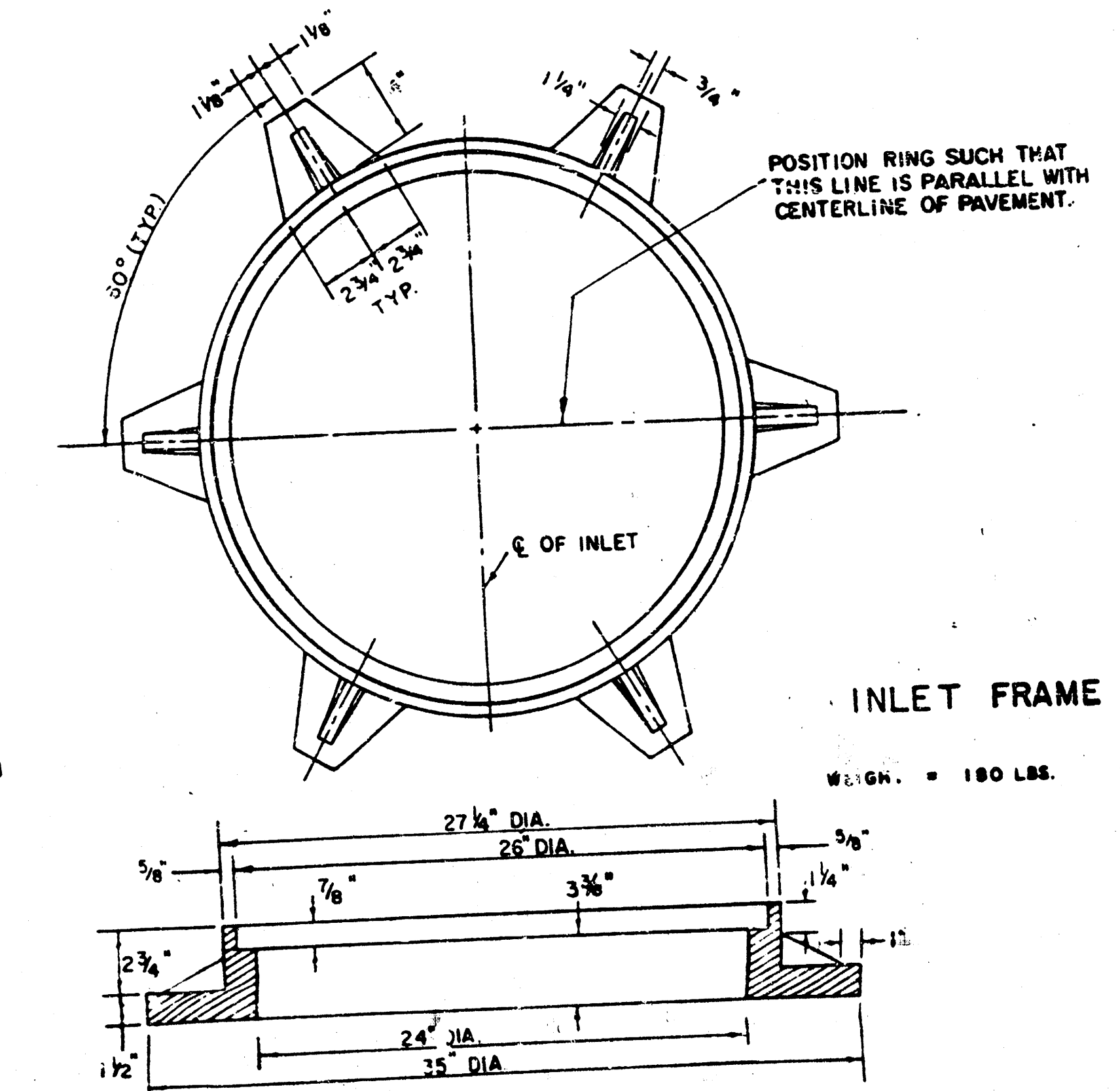


NOTE: CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN W = 6' 4" AND H = 7' 0" OR LESS.

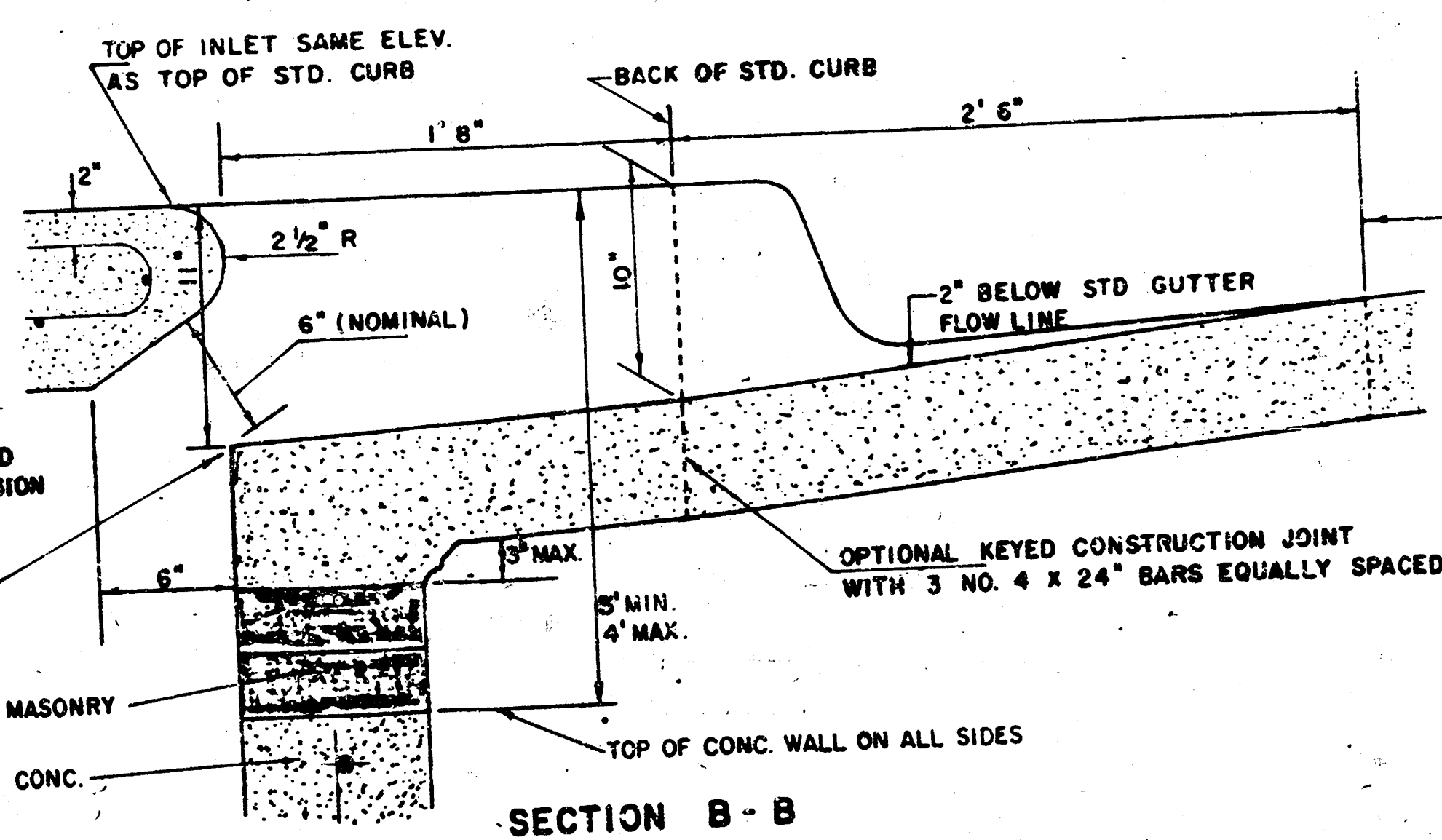
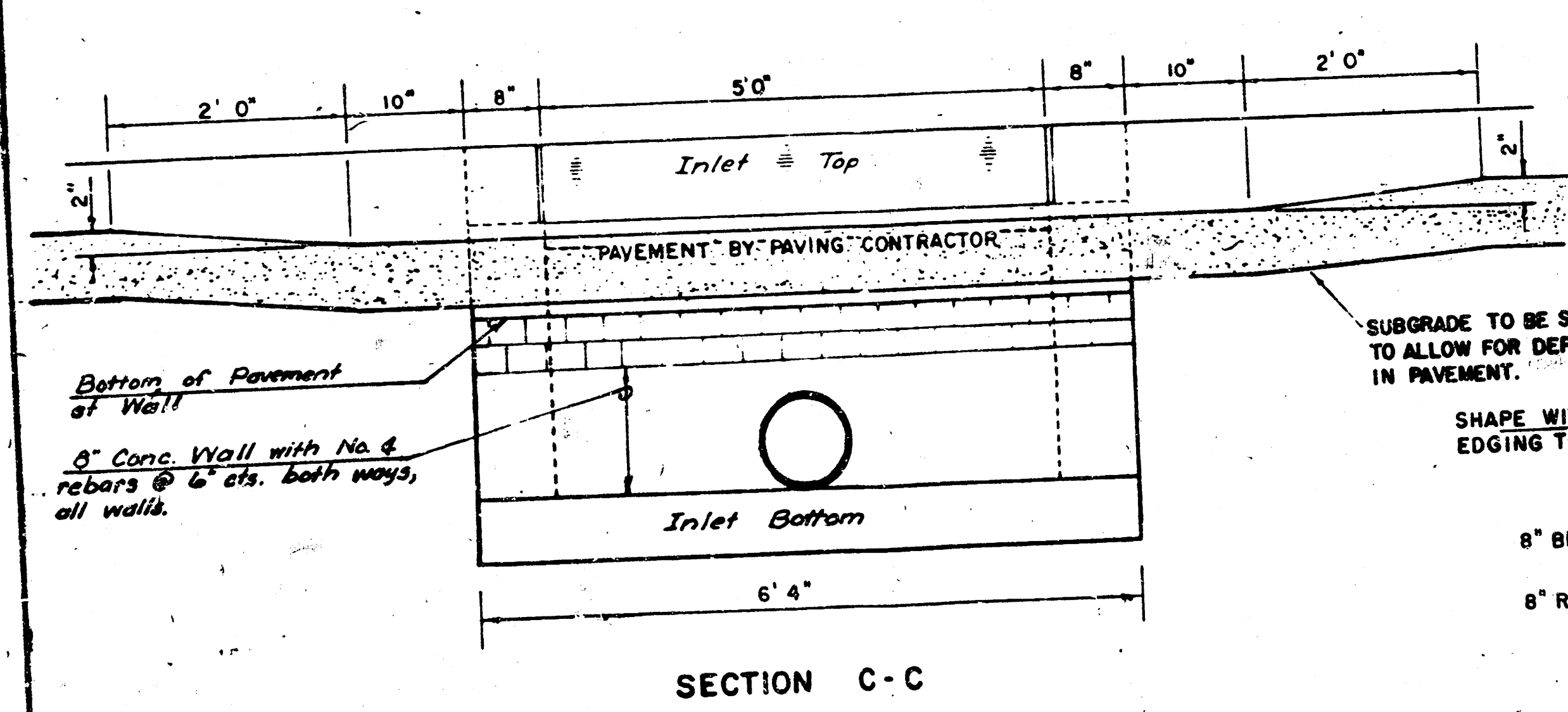
ADDITIONAL CURB AND GUTTER CONSTRUCTION NECESSARY TO CONNECT SET-BACK INLET TO PAVEMENT WILL BE PAID FOR AT THE UNIT PRICE BID FOR EACH INLET WORKUP.

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.

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



SEE CITY OF WICHITA STANDARD MANHOLE FRAME AND COVER DETAIL SHEET FOR COVER DETAILS TO BE USED WITH INLET FRAME.

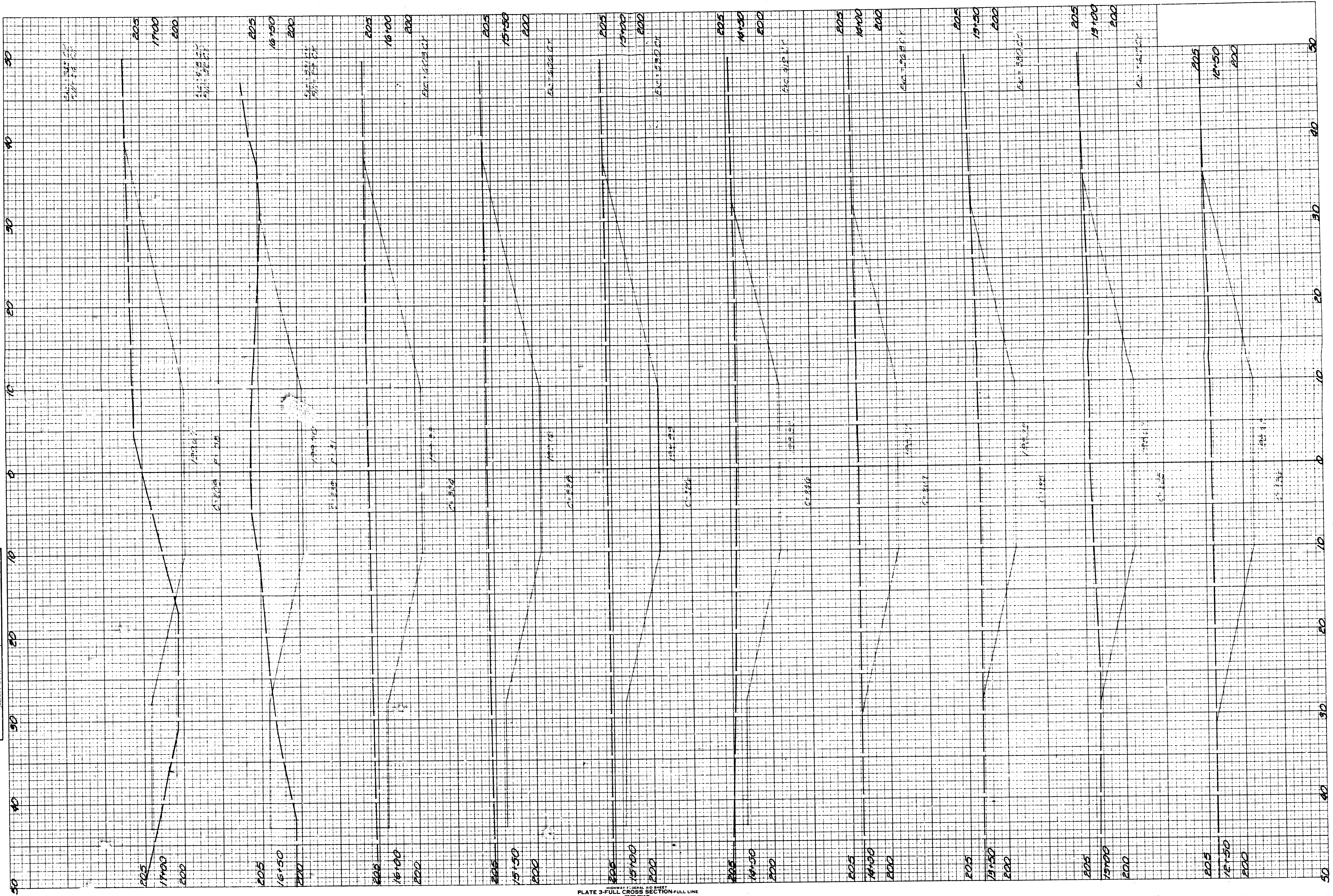


REVISED 12-21-1984

DETAIL STANDARD TYPE IA CURB INLET
CITY OF WICHITA, KANSAS
INLET OPENING = 6" x 5' 0"
JUNE 1984

ORIGINAL SURVEY	DATE
NOTED BY	DATE

FINAL SURVEY	DATE
NOTED BY	DATE



NORTHBOROUGH SECOND ADDITION
(Drainage)

NORTHBOROUGH SECOND ADDITION
(Drainage)

FINAL SURVEY
SERVED
FOOTED
NOTE: BROWN AREA
NOT TO SCALE

ORIGINAL SURVEY
SERVED
FOOTED
NOTE: BROWN AREA
NOT TO SCALE

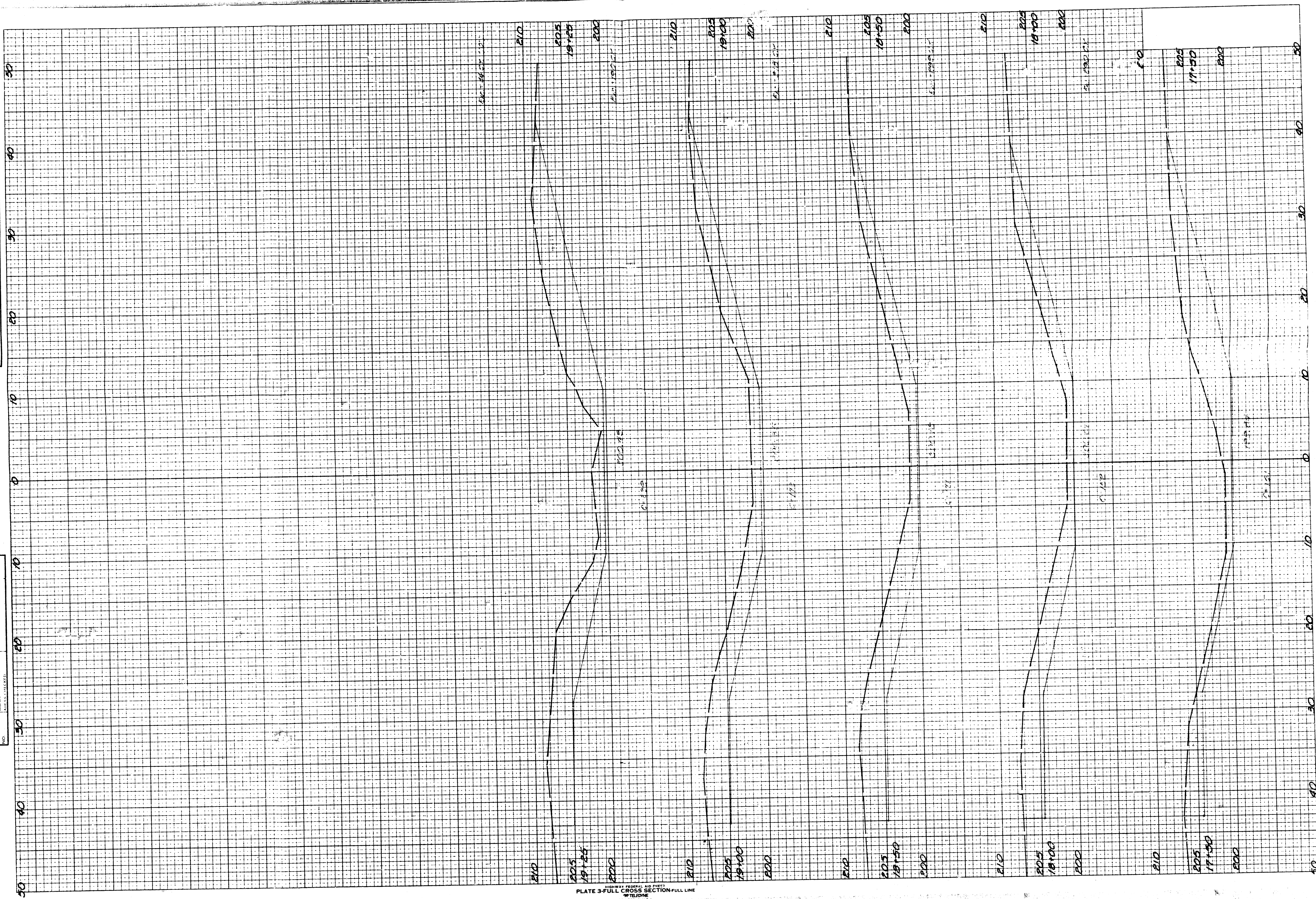


PLATE 3-FULL CROSS SECTION-FULL LINE

ORIGINAL SURVEY	BY	DATE
SUBMITTED PLOTTED TEMPLATE MOUNTED INDEXED ABLES		

