

SITE IMPROVEMENTS FOR

TALLGRASS PLAZA

PRIVATE SANITARY & STORM SEWER EXTENSION
TO SERVE DILLONS AT TALLGRASS, 2244 N. ROCK ROAD COURT

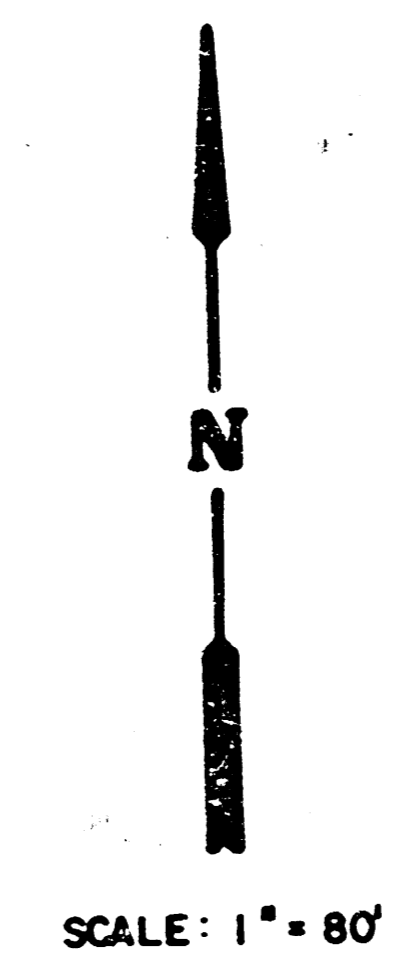
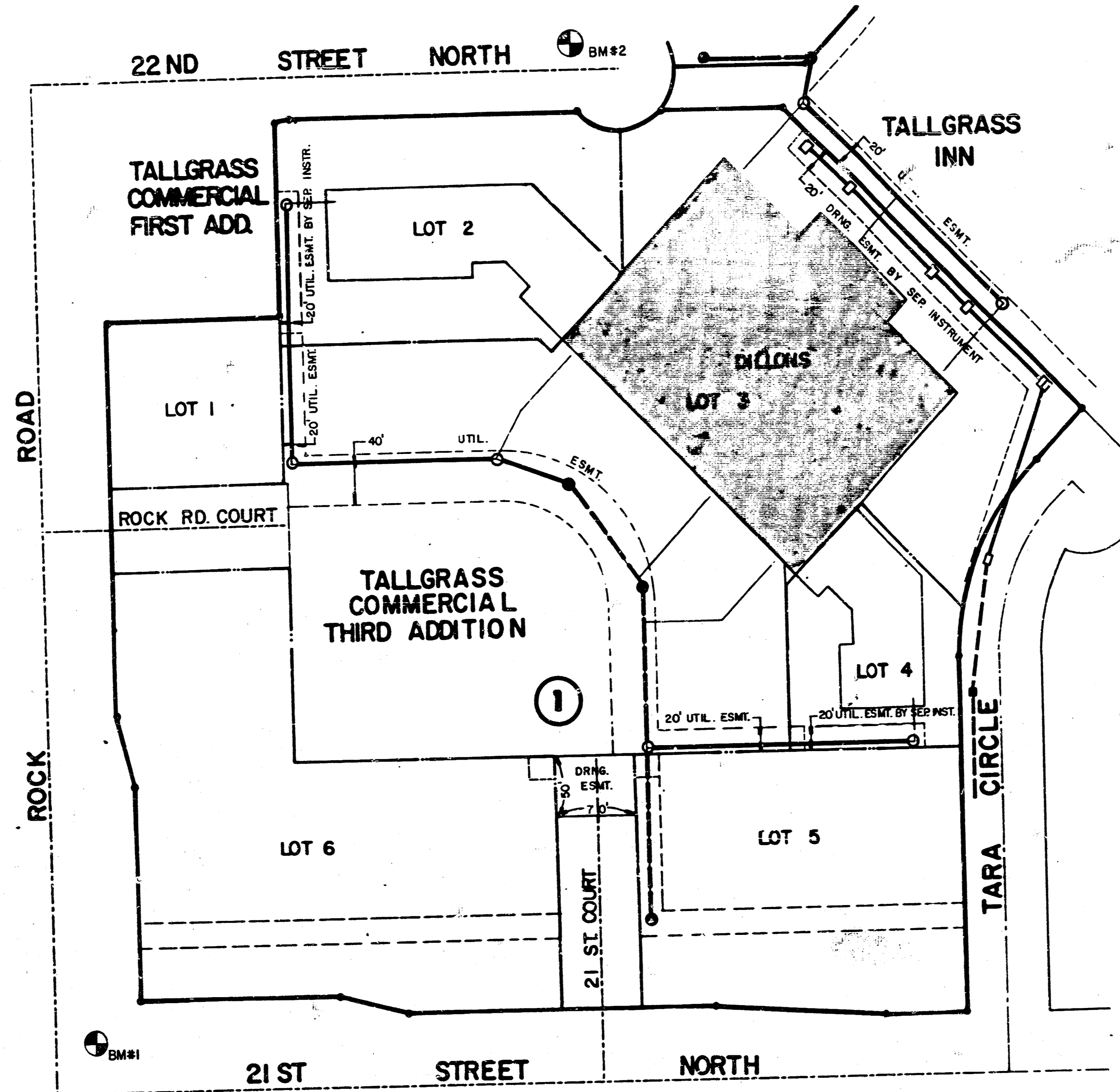
PROJ. NO. 468-76-245-80001-000-000-054

FEBRUARY 1986

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL 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 OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.
2. CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF CONSTRUCTION SCHEDULING.
3. EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.
4. CONTRACTOR SHALL NOTIFY THE FOLLOWING COMPANIES PRIOR TO EXCAVATION:

ARIELA GAS COMPANY	942-8350
BELL TELEPHONE	1-315-268-2256
CABLEVISION	262-0661
GAS SERVICE COMPANY	263-7511
KANSAS GAS & ELECTRIC	261-6248
KANSAS ONE-CALL	1-800-344-7233
5. ALL WORK TO BE DONE ACCORDING TO CITY OF WICHITA SPECIFICATIONS.



APPROVED AS NOTED
By CITY ENGINEER OF WICHITA

Sanitary Sewers *DOB 3/5/86*
Storm Sewers *DOB 3/5/86*
Driveway Approaches _____
Water Mains _____
Paving _____

NOTE TO CONTRACTOR

This project will be constructed under the supervision of the CITY ENGINEER and conforming to the SPECIFICATIONS of the CITY OF WICHITA. The CONTRACTOR will pay the City of Wichita for all costs of plan review, inspection and booking per contract.

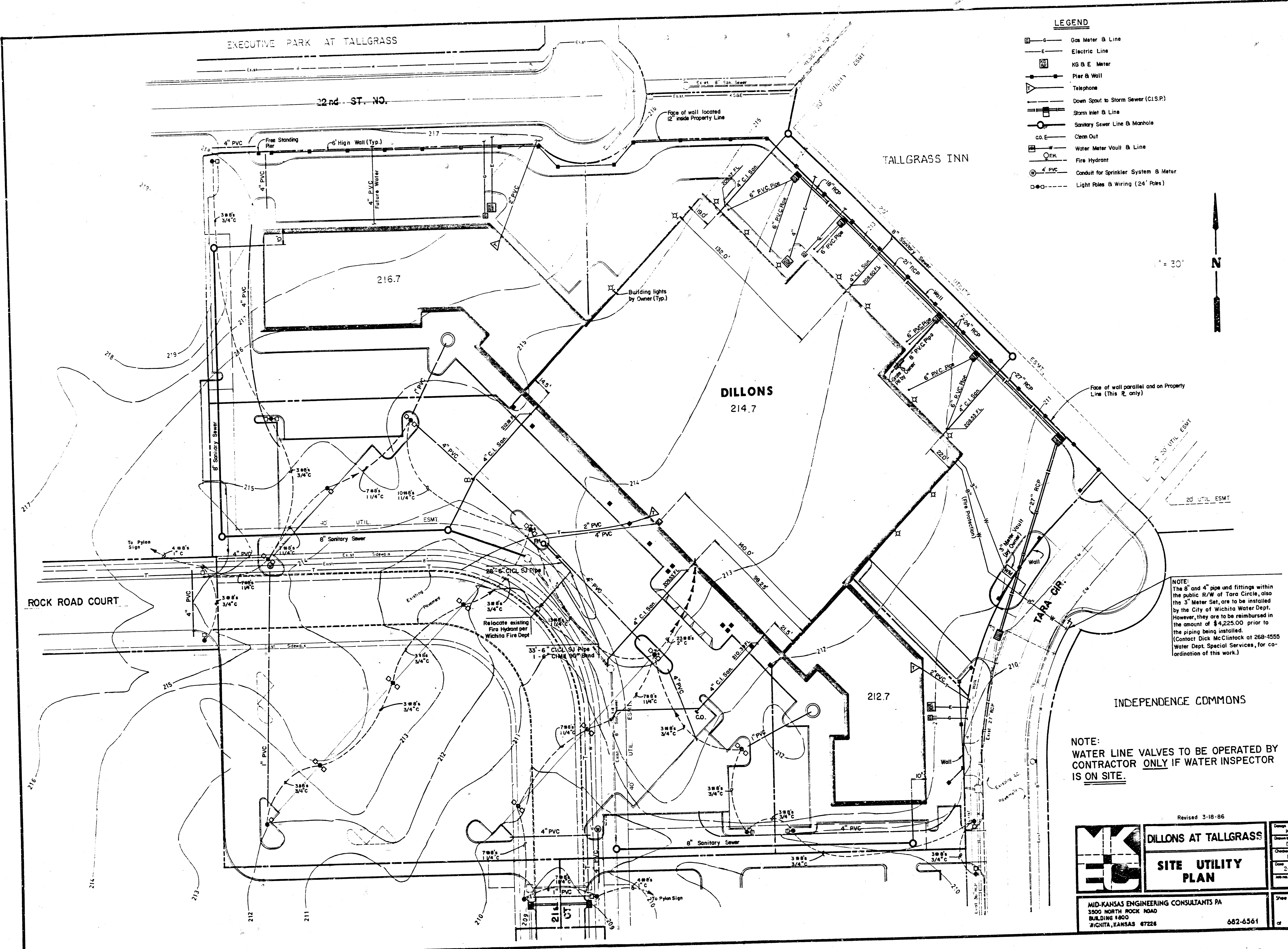
INDEX TO DRAWINGS	
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SITE GRADING PLAN
3	SITE UTILITY PLAN
4	SANITARY SEWER PLAN & PROFILE
5	SANITARY SEWER PLAN & PROFILE
6	STORM SEWER PLAN & PROFILE
7	STORM SEWER INLET DETAIL
8	STANDARD CURB INLET DETAIL
9	SITE PAVING PLAN
10	SITE DIMENSION & STRIPING PLAN
11	PAVING DETAILS
12	INTERSECTION DETAILS

BENCH MARKS

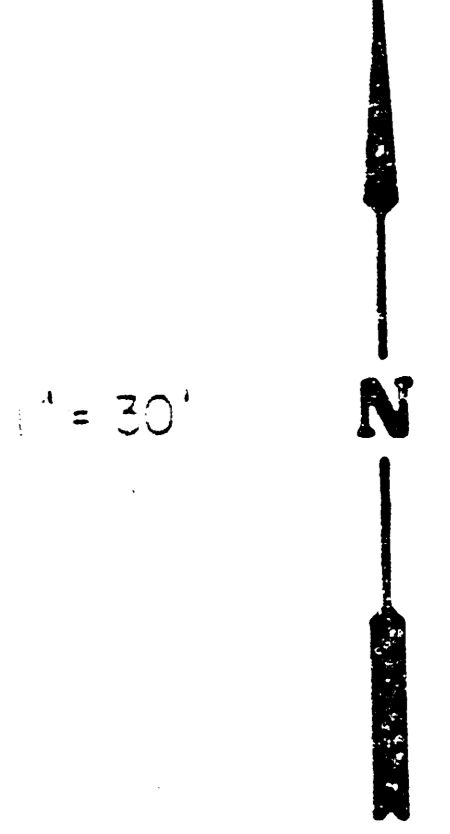
- BM #1 Rock Road & 21st Street North
City of Wichita Bench Mark Disc, 45' north
and 48' east of centerline both
Elev. = 214.57
- BM #2 "X" cut on top of north curb south of fire
hydrant at east end of 22nd Street North,
Elev. = 215.83

ME	DILLONS AT TALLGRASS	Drawn by KKL
	COVER SHEET	Checked by DPR KHB/DS Date 2-21-86
MID-KANSAS ENGINEERING CONSULTANTS PA 3500 NORTH ROCK ROAD BUILDING #800 WICHITA, KANSAS 67226		Sheet 1 of 10

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- LEGEND**
- ⊕ Gas Meter & Line
 - Electric Line
 - ⊕ K&E Meter
 - Pier & Wall
 - ⊕ Telephone
 - Down Spout to Storm Sewer (C.I.S.P.)
 - Storm Inlet & Line
 - Sanitary Sewer Line & Manhole
 - C.O. Clean Out
 - Water Meter Vault & Line
 - ⊕ Fire Hydrant
 - ⊕ 4" PVC Conduit for Sprinkler System & Meter
 - ⊕ Light Poles & Wiring (24' Poles)



NOTE:
The 6" and 4" pipe and fittings within the public R/W of Tara Circle, also the 3" Meter Set, are to be installed by the City of Wichita Water Dept. However, they are to be reimbursed in the amount of \$4,225.00 prior to the piping being installed.
(Contact Dick McClintock at 268-4555 Water Dept. Special Services, for coordination of this work.)

NOTE:
WATER LINE VALVES TO BE OPERATED BY CONTRACTOR ONLY IF WATER INSPECTOR IS ON SITE.

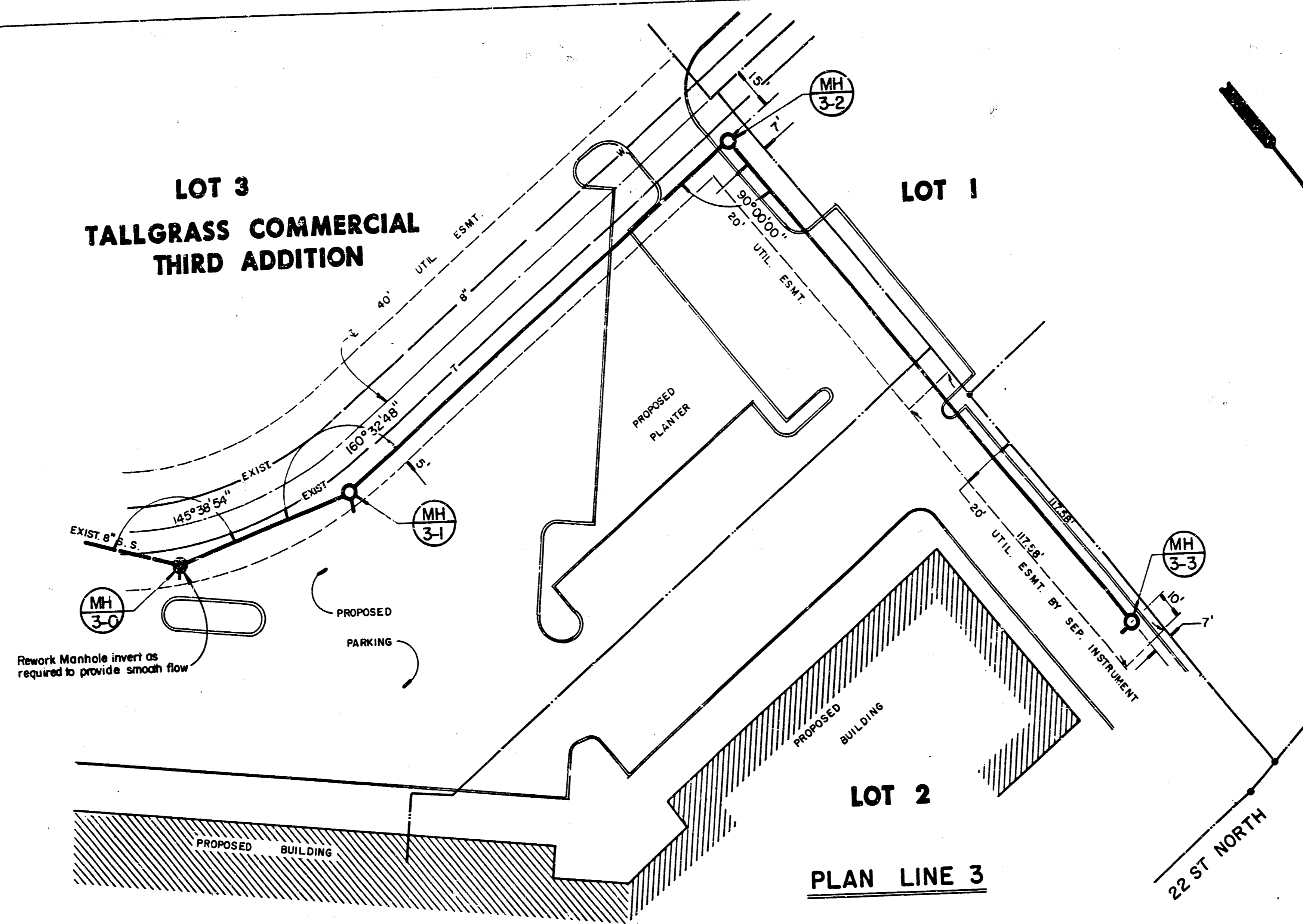
Revised 3-18-86

	DILLONS AT TALLGRASS		Drawn: KKL Checked: DPR Designer: KHB
	SITE UTILITY PLAN		Date: 2-21-86 Job No.
MID-KANSAS ENGINEERING CONSULTANTS PA 3500 NORTH ROCK ROAD BUILDING #600 WICHITA, KANSAS 67226			Sheet 2 / 10 of 12

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PLAN
 SURVEYED BY
 DATE
 CHECKED BY
 DATE

PROFILE
 SURVEYED BY
 DATE
 CHECKED BY
 DATE



SCALE: 1" = 30' Horiz.
 1" = 5' Vert.

- NOTE:
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL 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 OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.
 2. A PORTION OF EXCESS EXCAVATED MATERIAL SHALL BE MOUNDED AROUND MANHOLES WHICH EXTEND MORE THAN ONE (1) FOOT ABOVE THE EXISTING GROUND. THE ELEVATION OF THE FLAT TOP OF THE MOUND SHALL BE 0.4 FOOT BELOW THE TOP OF THE MANHOLE.
 3. CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF CONSTRUCTION SCHEDULING.
 4. EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.
 5. ALL STUBS AND PLUGGED PIPES SHALL BE LOCATED WITH GREEN PLASTIC TAPE IN THE SAME MANNER AS RISERS.
 6. CONTRACTOR SHALL NOTIFY THE FOLLOWING COMPANIES PRIOR TO ANY EXCAVATION:

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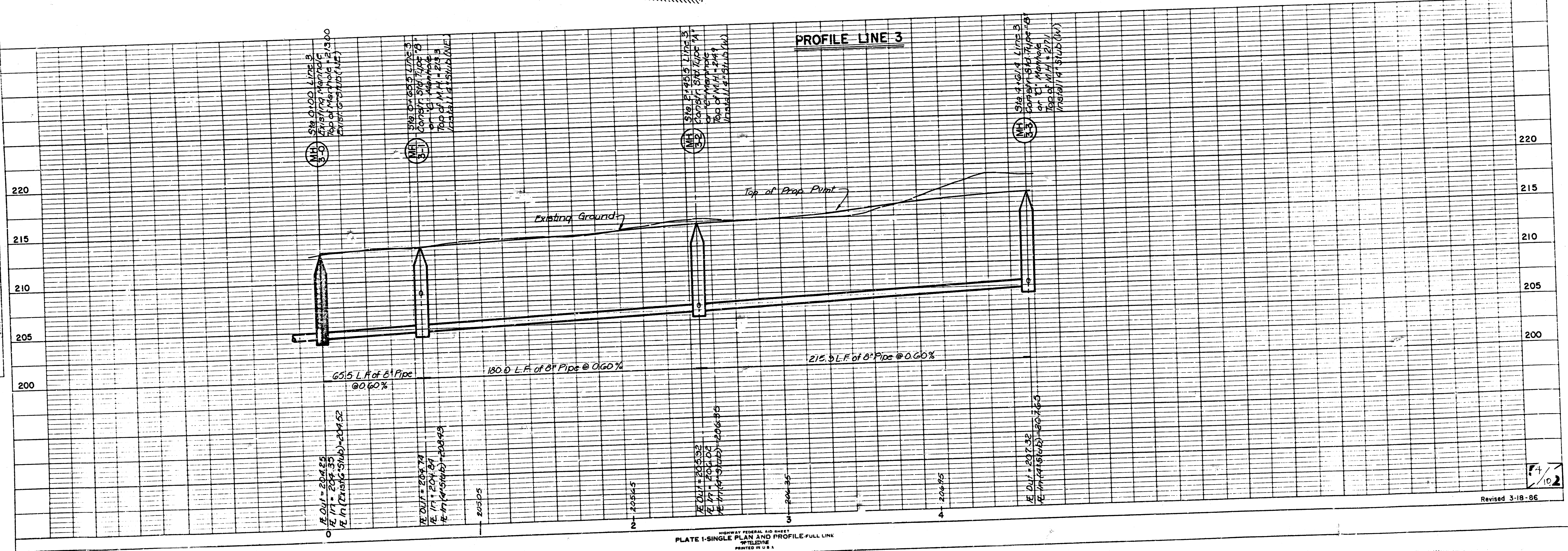


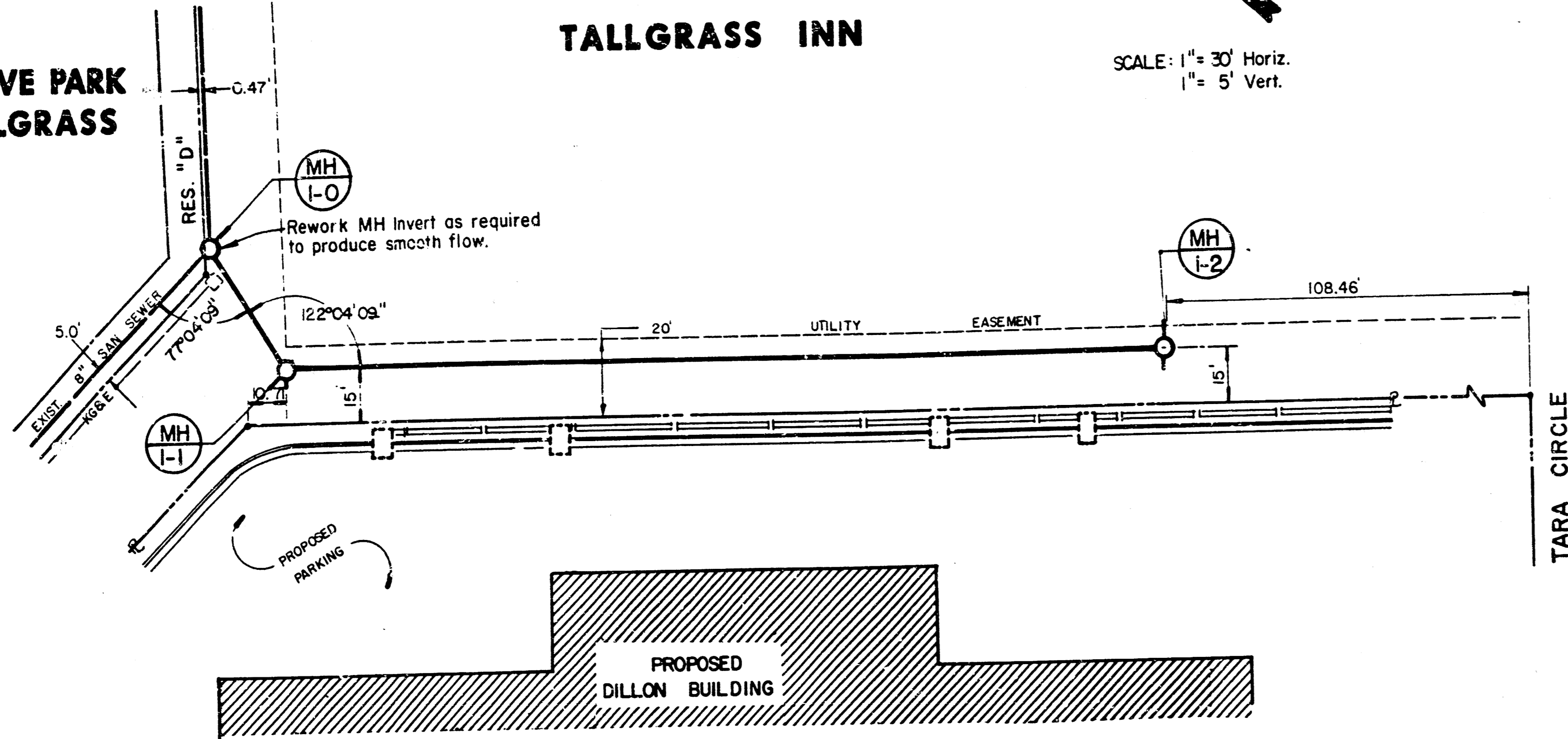
PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE

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EXECUTIVE PARK
AT TALLGRASS

LOT 1 BLOCK 1
TALLGRASS INN

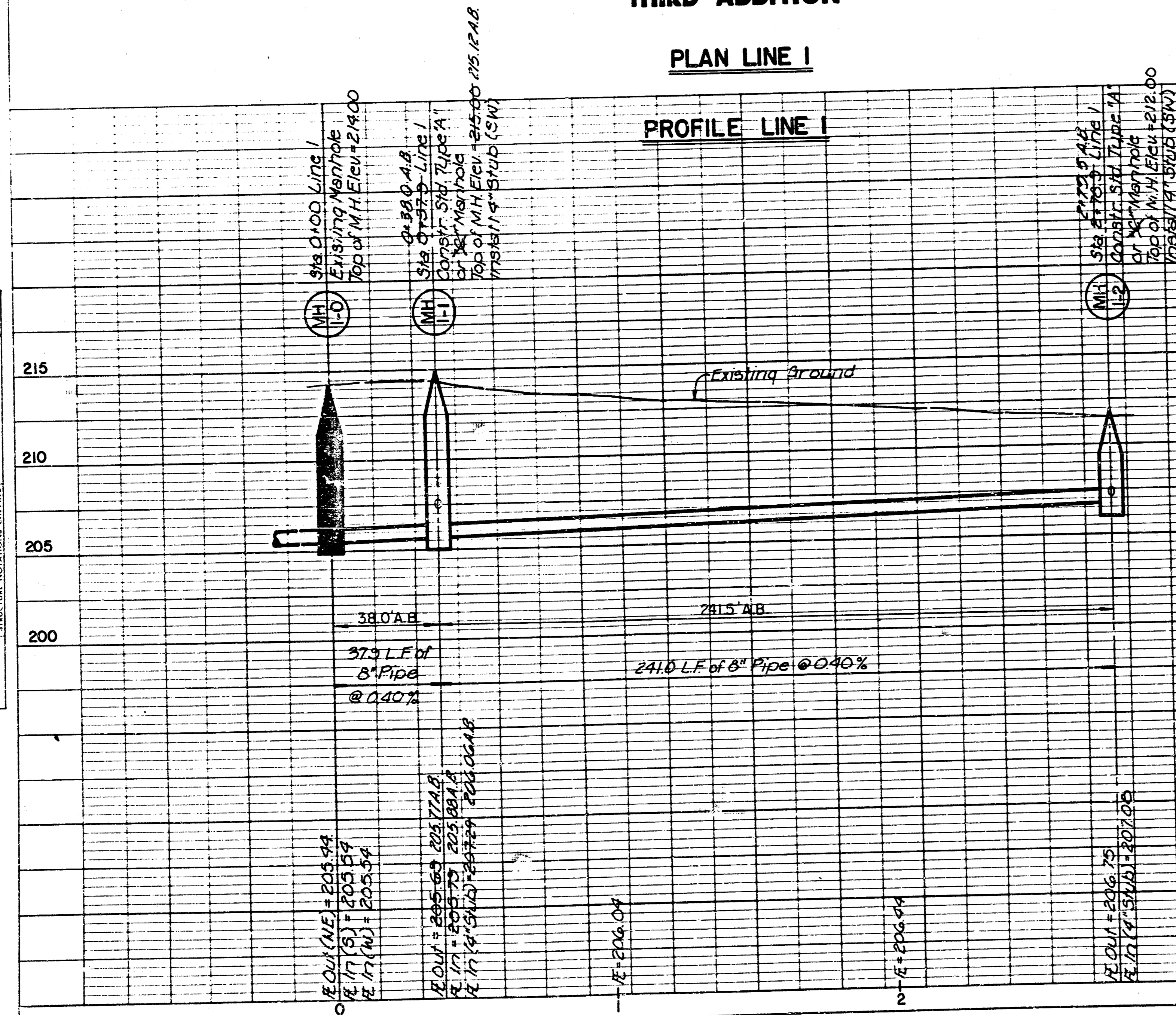
SCALE: 1" = 30' Horiz.
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LOT 3 BLOCK 1
TALLGRASS COMMERCIAL
THIRD ADDITION

PLAN LINE 1

PROFILE LINE 1

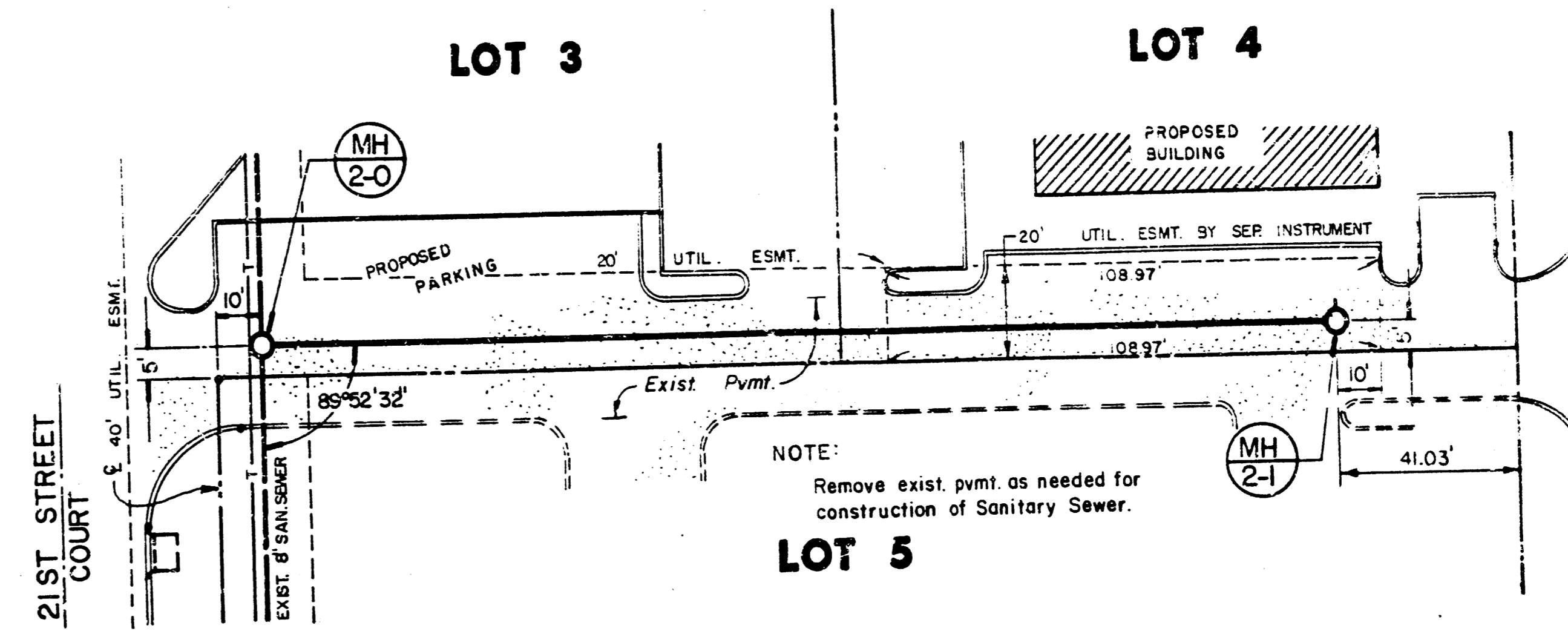


TALLGRASS COMMERCIAL THIRD ADDITION

LOT 3

LOT 4

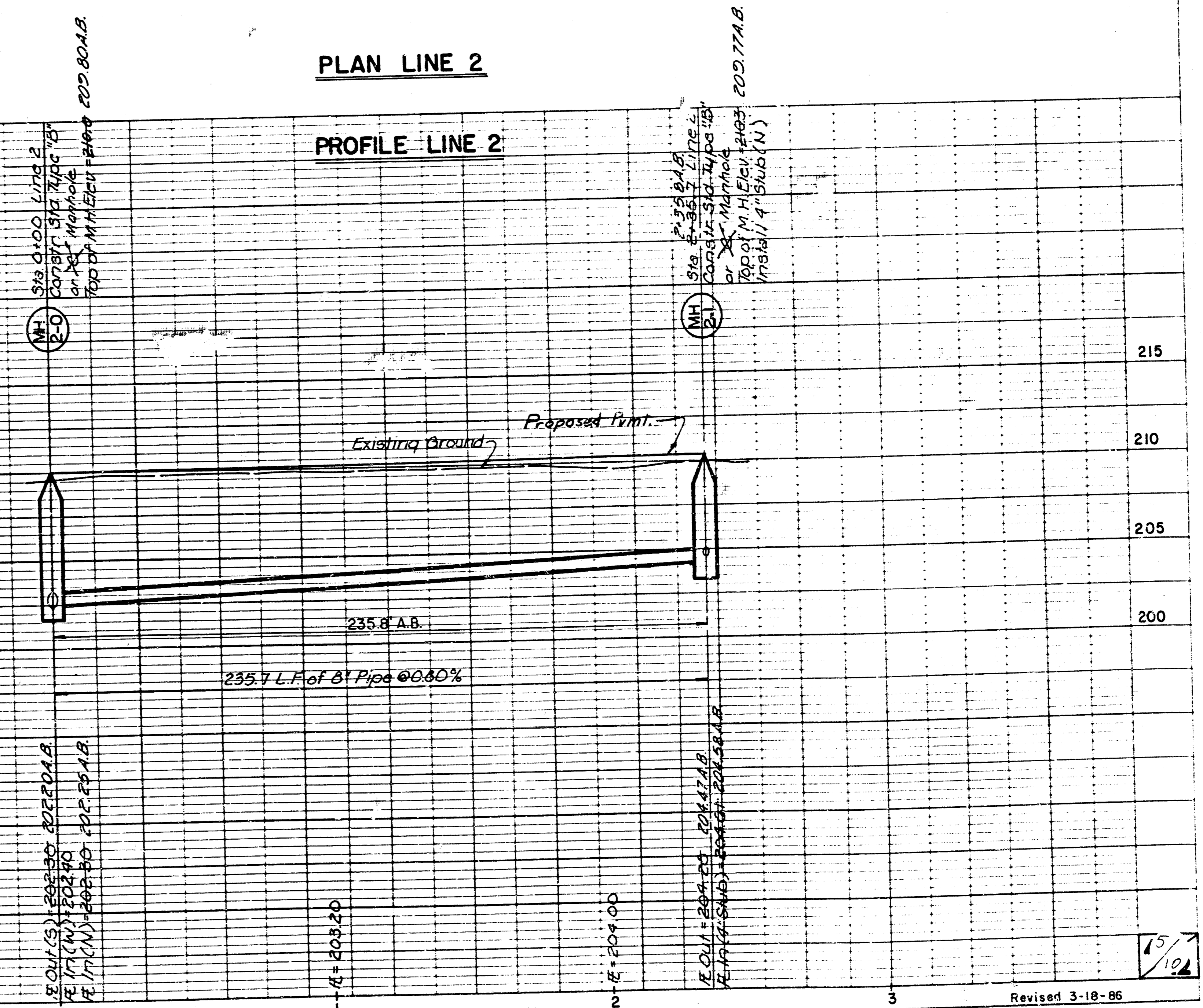
SCALE: 1" = 30' Horiz.
1" = 5' Vert.



LOT 5

PLAN LINE 2

PROFILE LINE 2



LEGEND
A.B. - As Built

As Built
Feb., 1987

PLAN
NOTE BOOK
No.

PROFILE
NOTE BOOK
No.

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AVAILABLE COPY.....

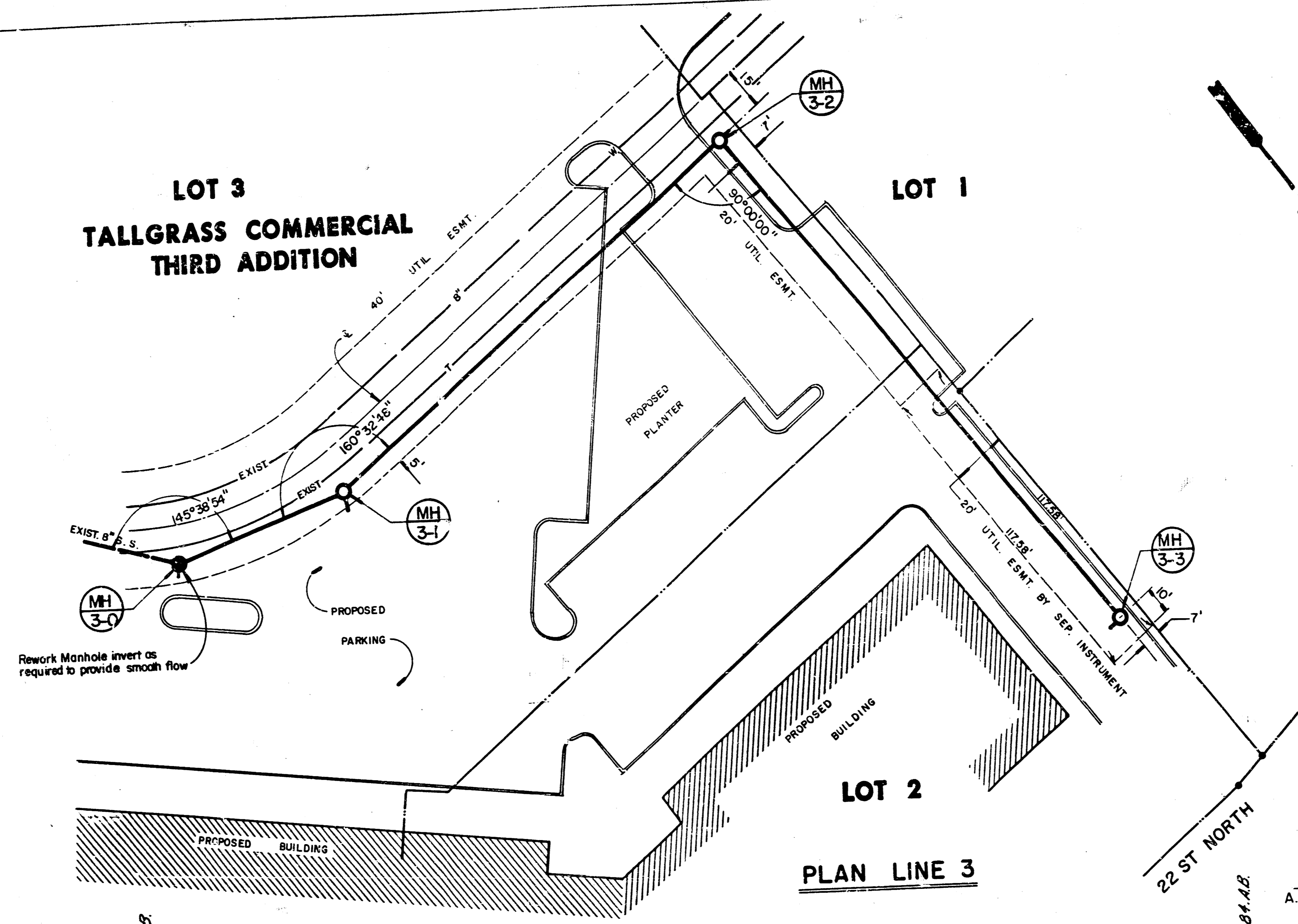
PLAN
NOTE BOOK
No.

PROFILE
NOTE BOOK
No.

**LOT 3
TALLGRASS COMMERCIAL
THIRD ADDITION**

LOT 1

**LOT 2
PLAN LINE 3**



SCALE: 1" = 30' Horiz.
1" = 5' Vert.

LEGEND
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As Built
Feb., 1987

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PROFILE LINE 3

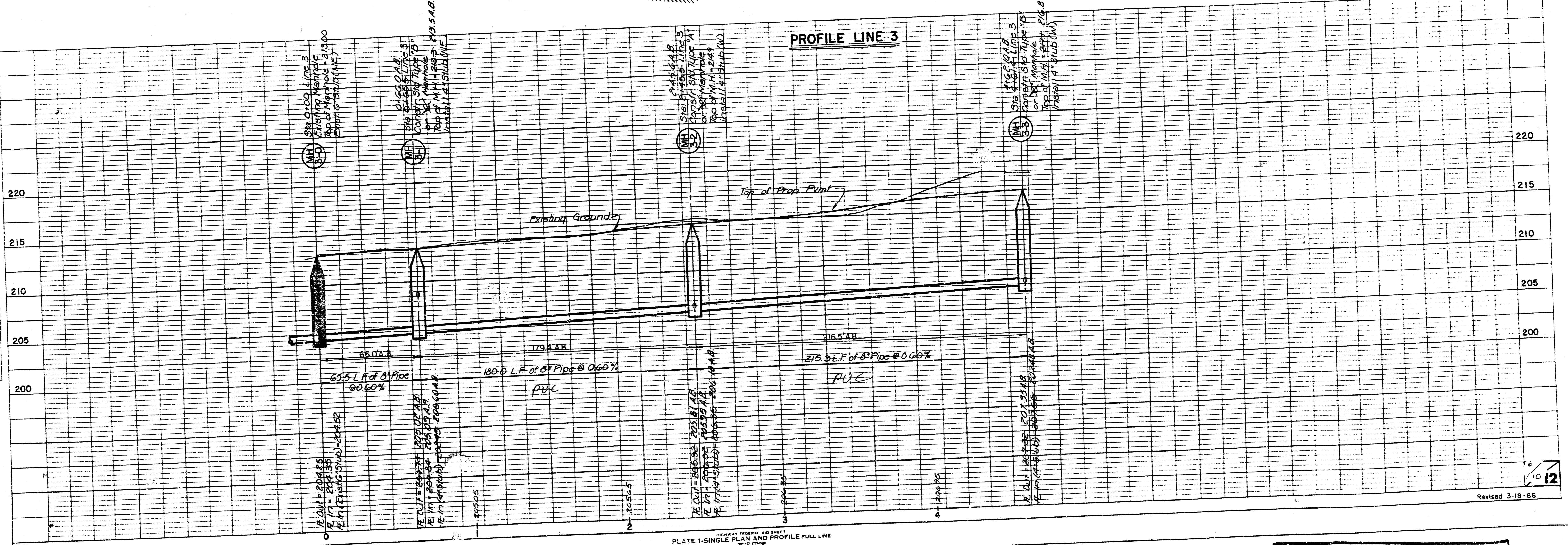


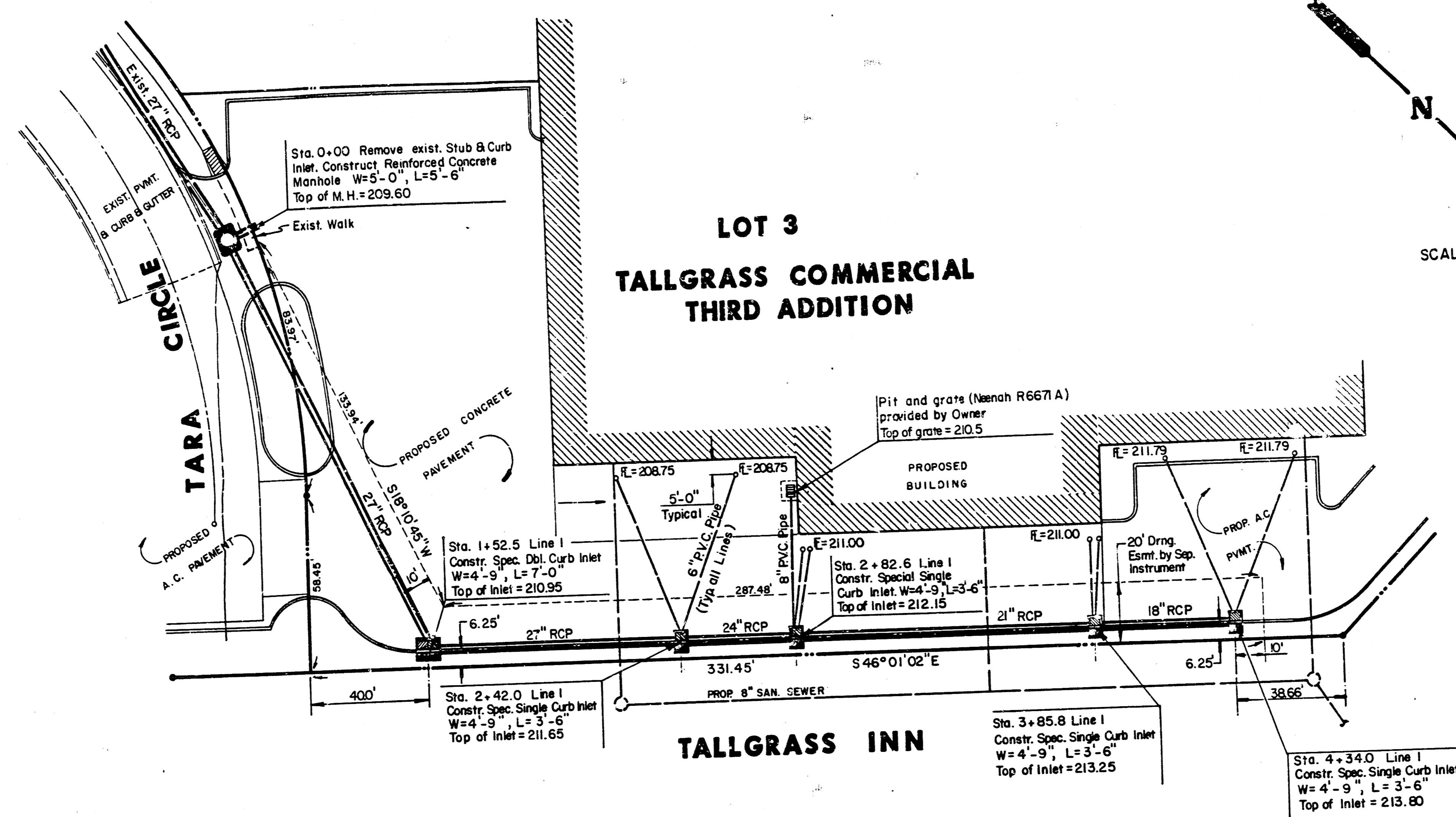
PLATE 1-SINGLE PLAN AND PROFILE FULL LINE
PRINTED IN U.S.A.

Revised 3-18-86

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PLAN
 NOTE BOOK
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 BY: [blank]
 NO. [blank]

PROFILE
 NOTE BOOK
 AUTOMATIC CHECKED
 BY: [blank]
 NO. [blank]



SCALE: 1" = 30' Horiz.
 1" = 5' Vert.

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PLAN LINE I

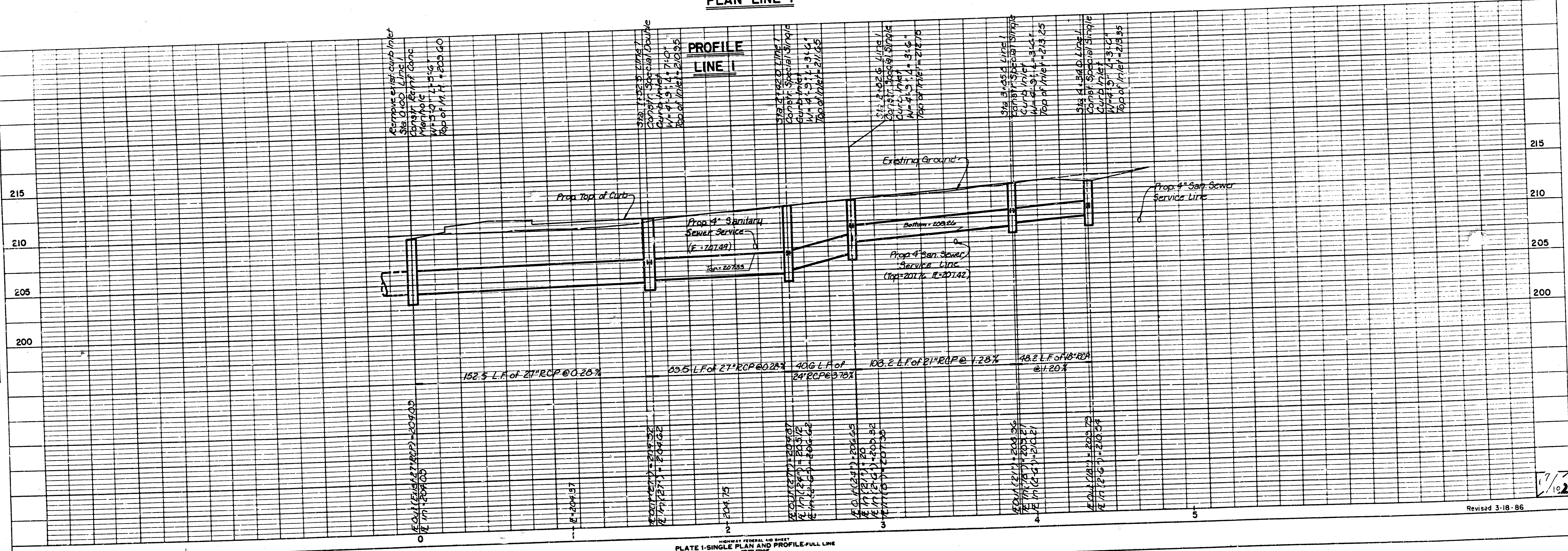
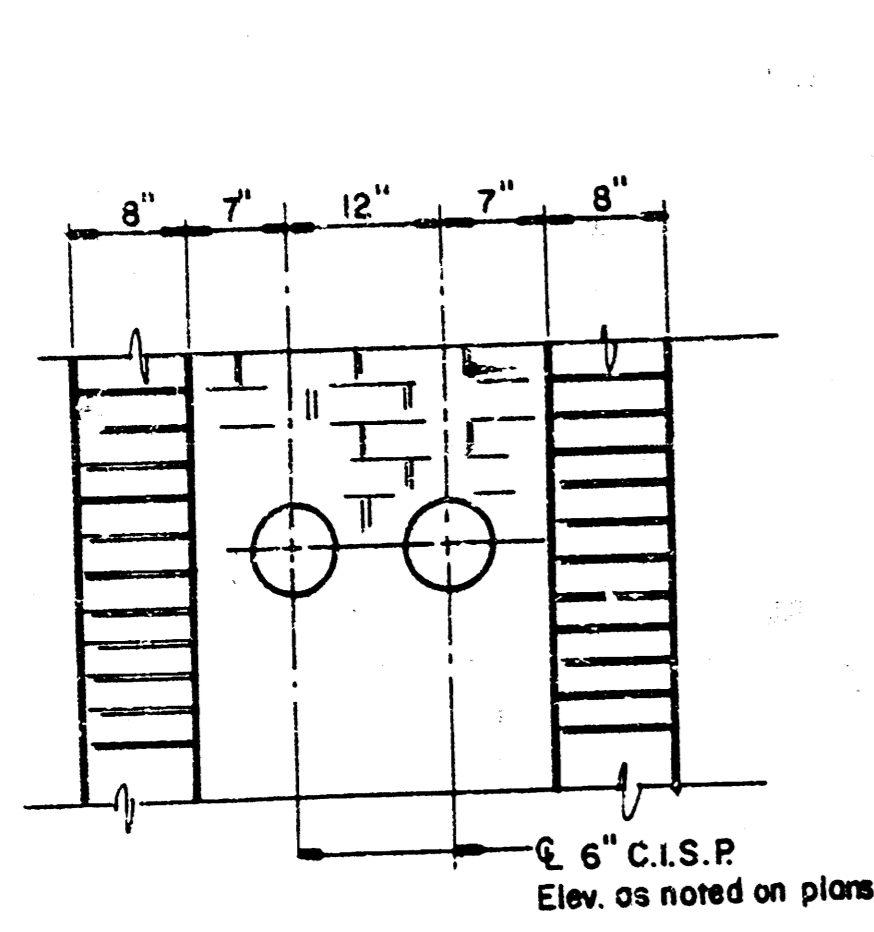
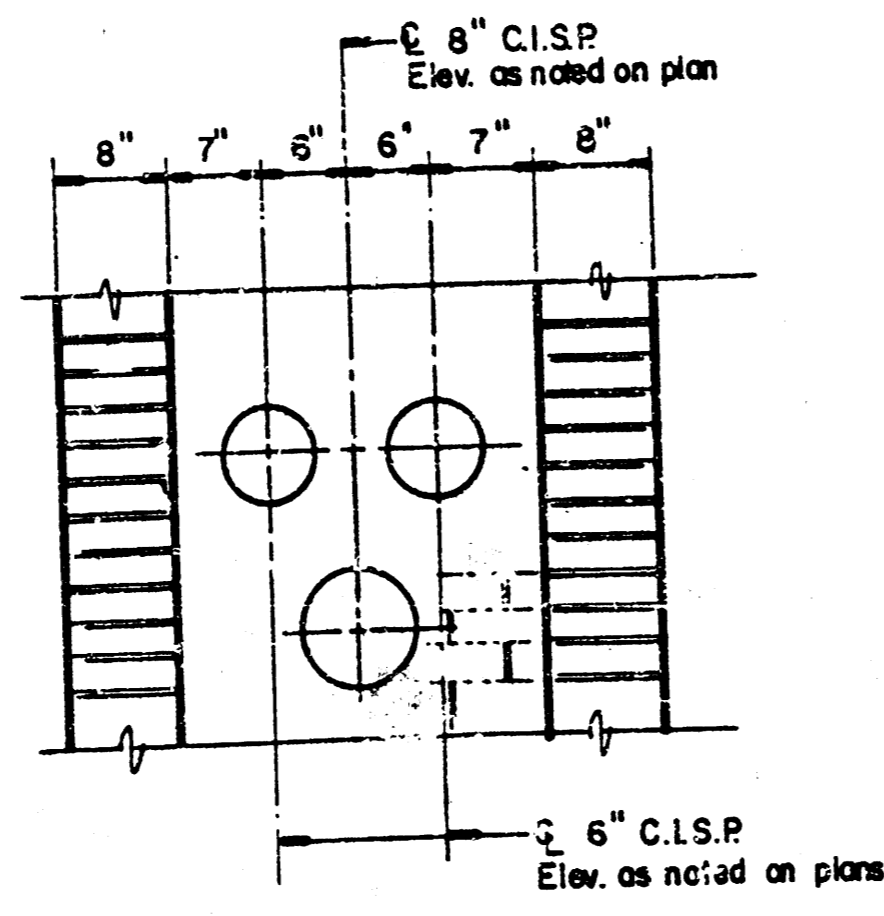


PLATE I-SINGLE PLAN AND PROFILE-FULL LINE

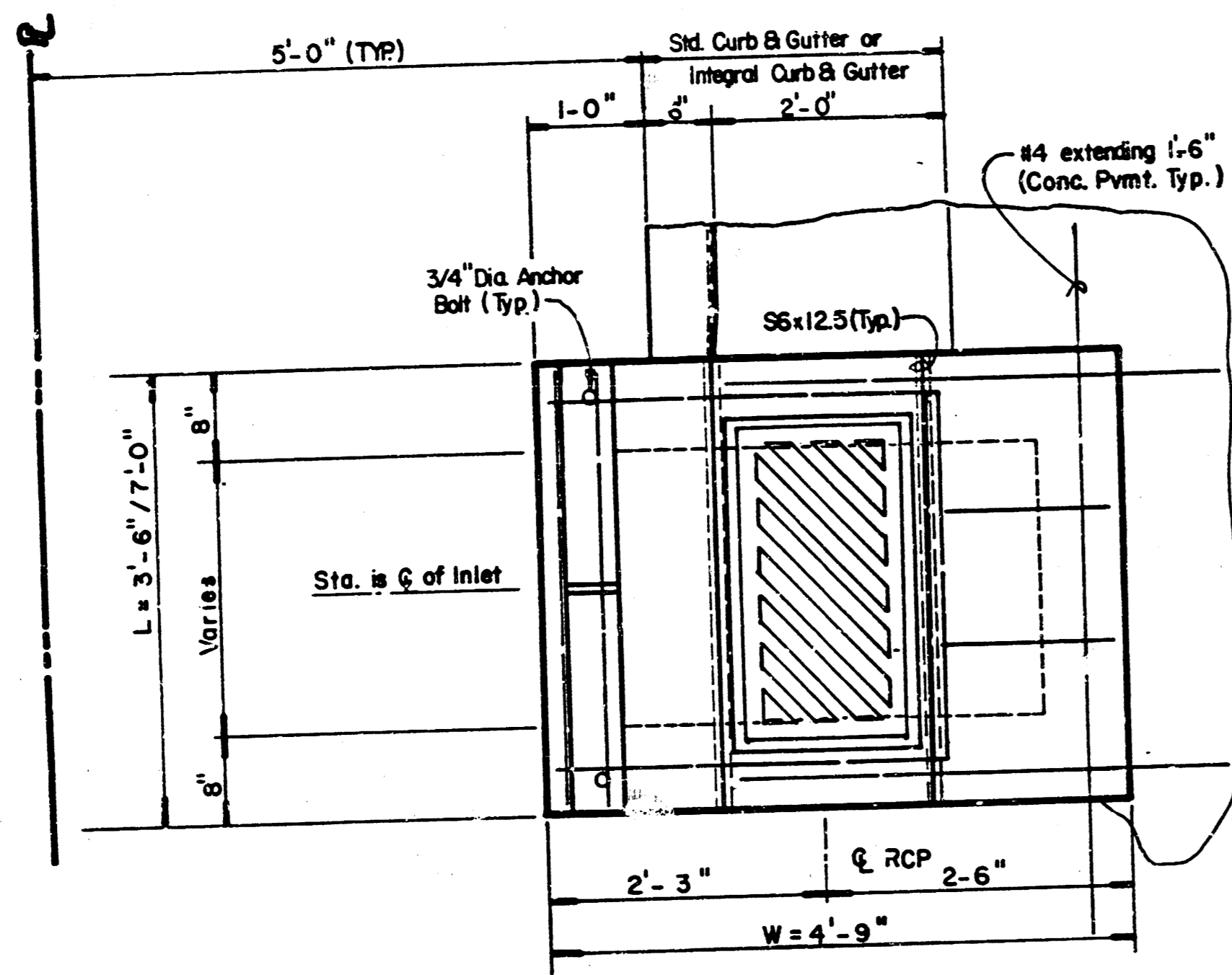
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ELEVATION VIEW
Cast Iron Soil Pipe at Inlet (Typ.)

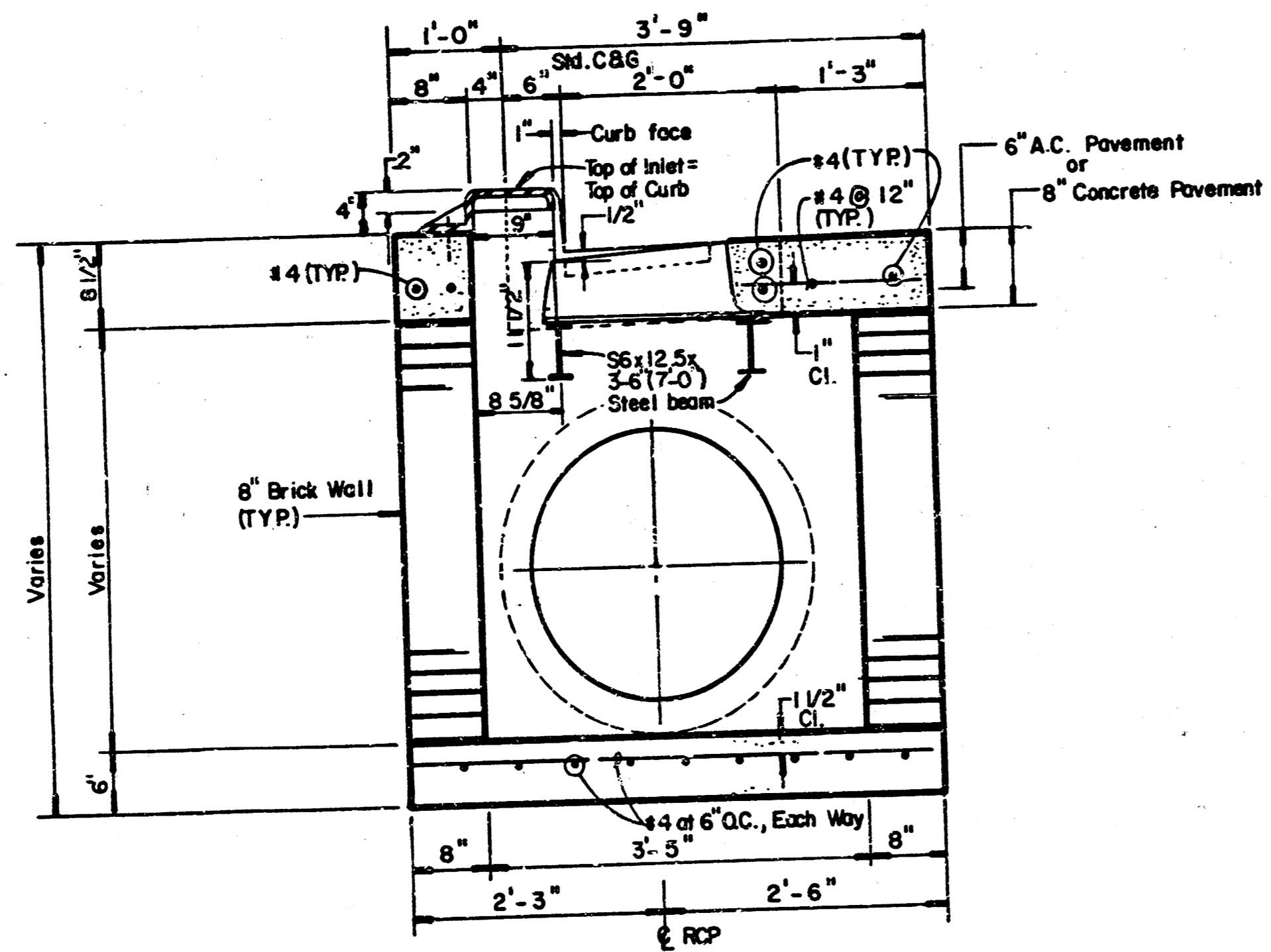


ELEVATION VIEW
Cast Iron Soil Pipe at Inlet - Sta. 2+83.8

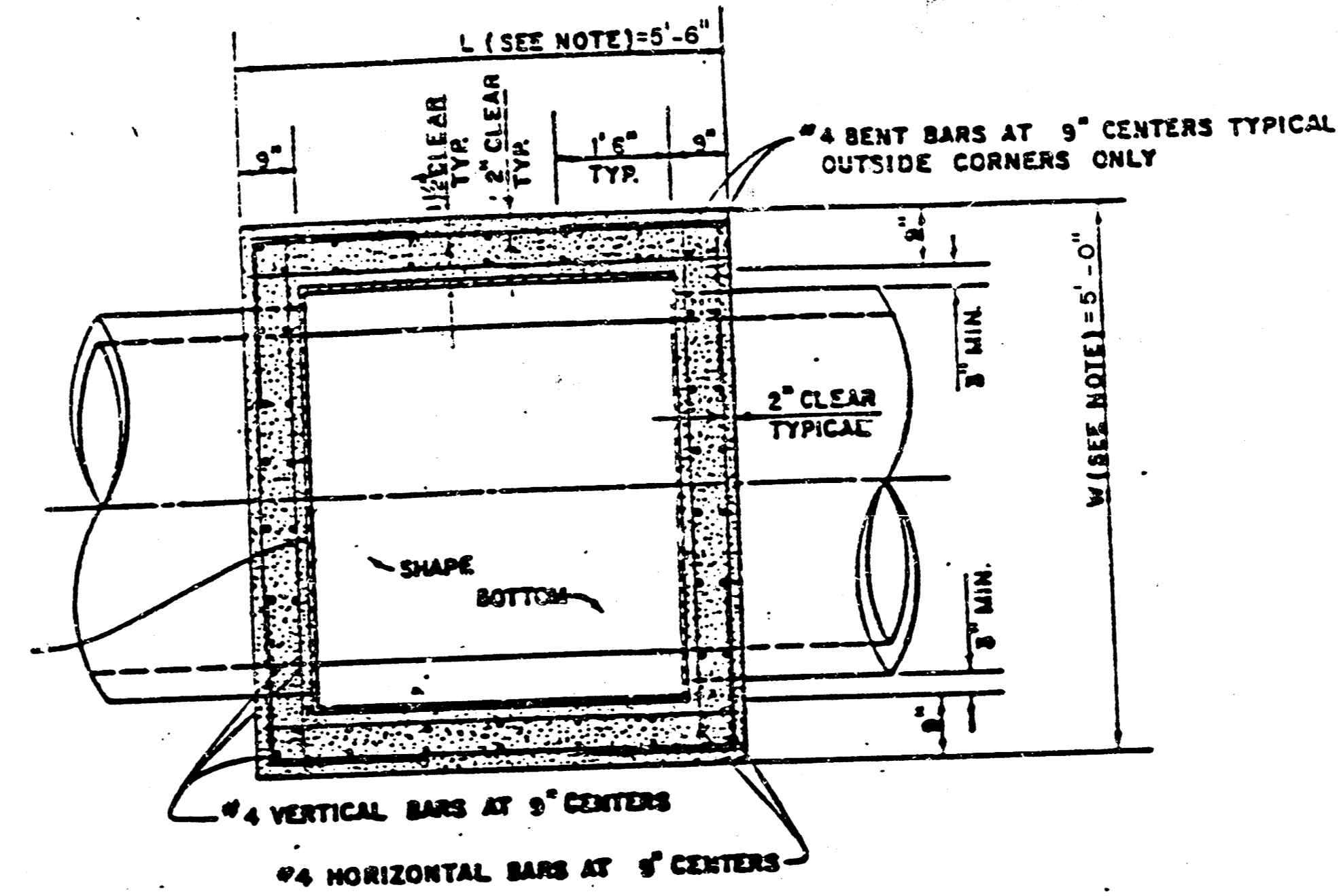


TOP VIEW

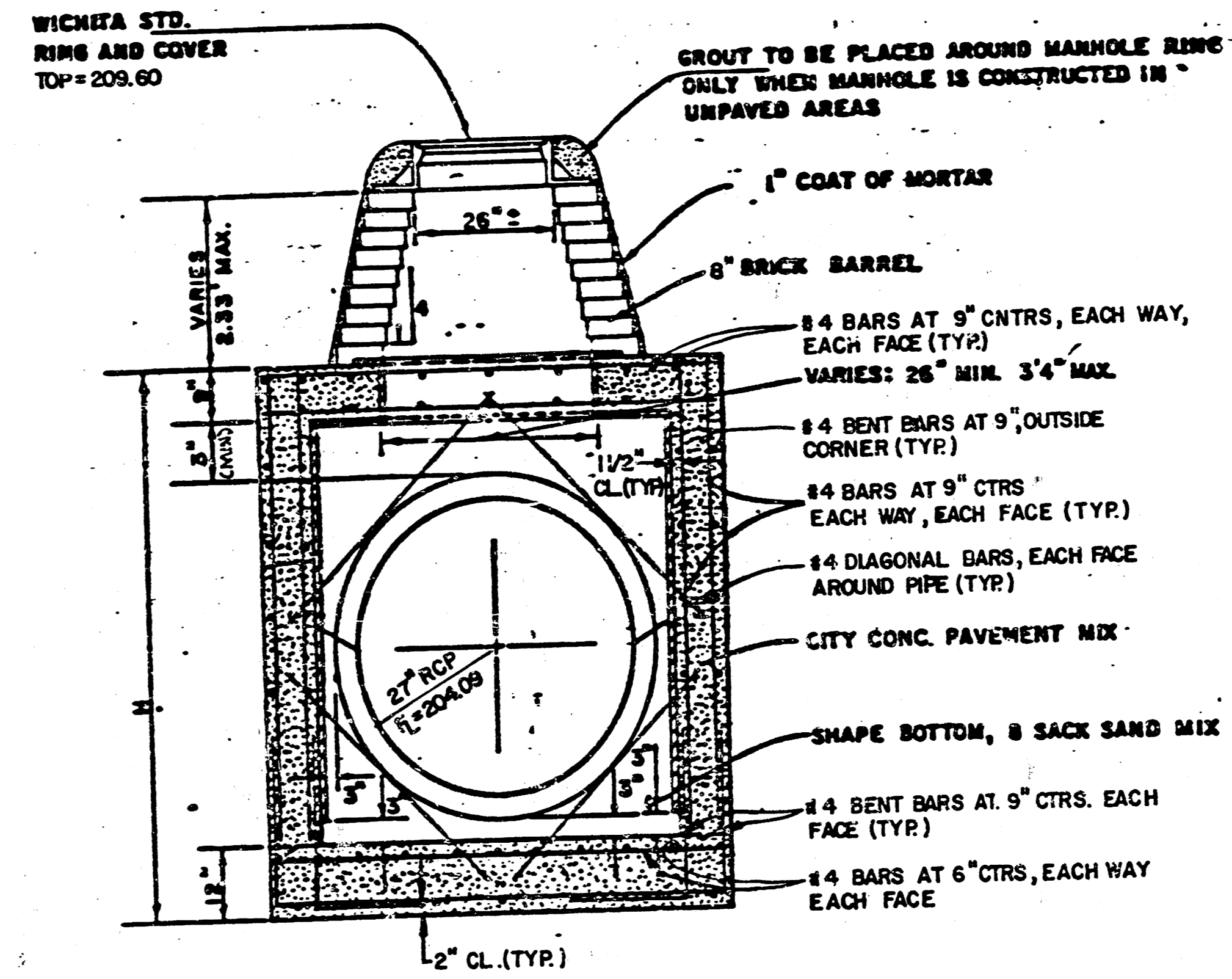
NOTE: Use Neenah R-32R9-C Single Inlet Frame, Grate, and Curb Plate or Neenah R 32S8-E Double Inlet Frame w/Two piece Grate and Curb Plate
Grout pad under Curb Plate to ensure Top of Inlet Casting = Top of Curb



SPECIAL CURB INLET



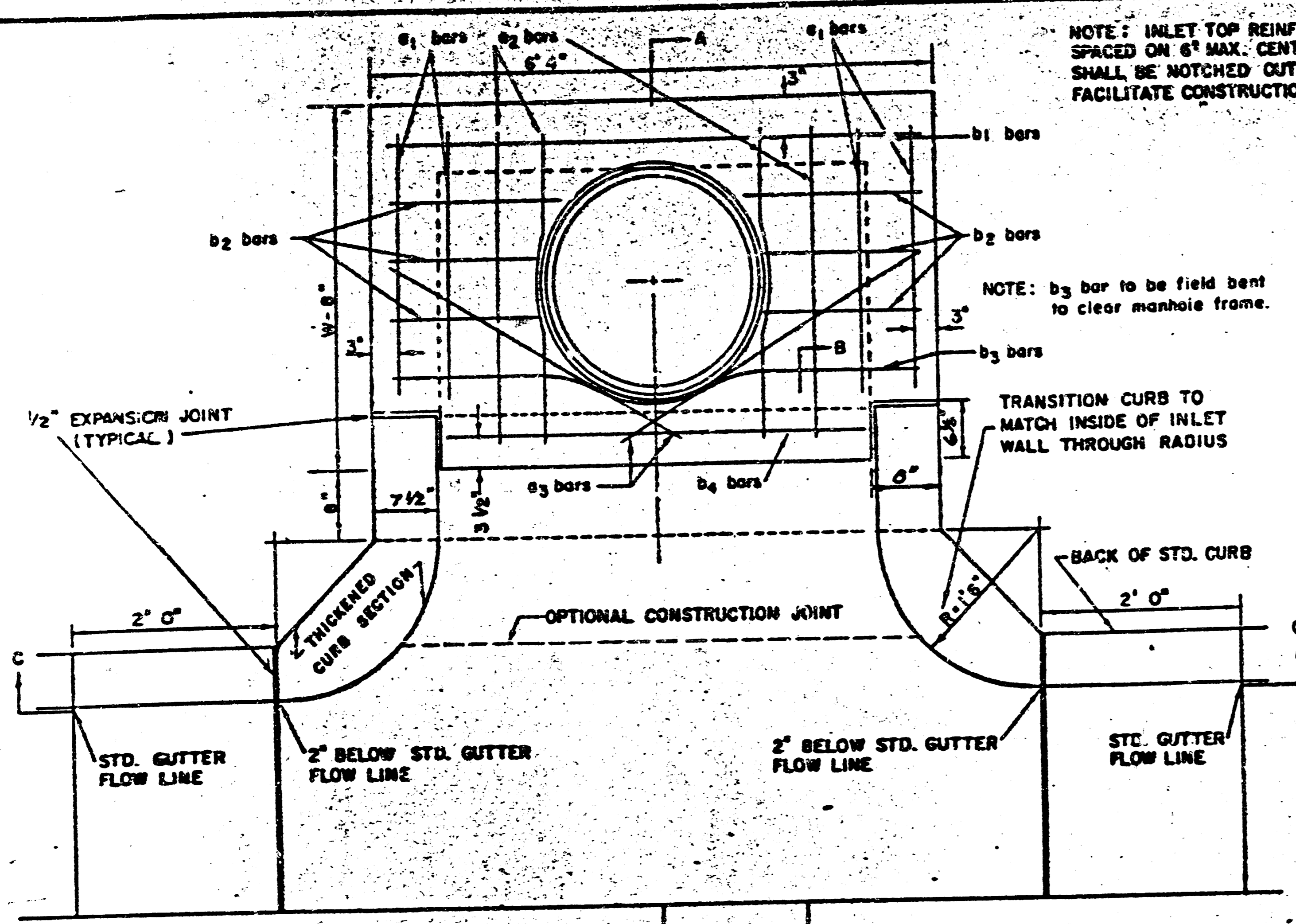
TOP VIEW



REINFORCED CONCRETE MANHOLE
STA. 0+00 Line 1

	DILLONS AT TALLGRASS	Design: FBN
	STORM SEWER INLET DETAILS	Drawn by: DPR
		Checked by: KHB
		Date: 2-21-86
		Sheet: 8/12
MID-KANSAS ENGINEERING CONSULTANTS PA 3500 NORTH ROCK ROAD BUILDING #800 WICHITA, KANSAS 67226		682-6561 of 12

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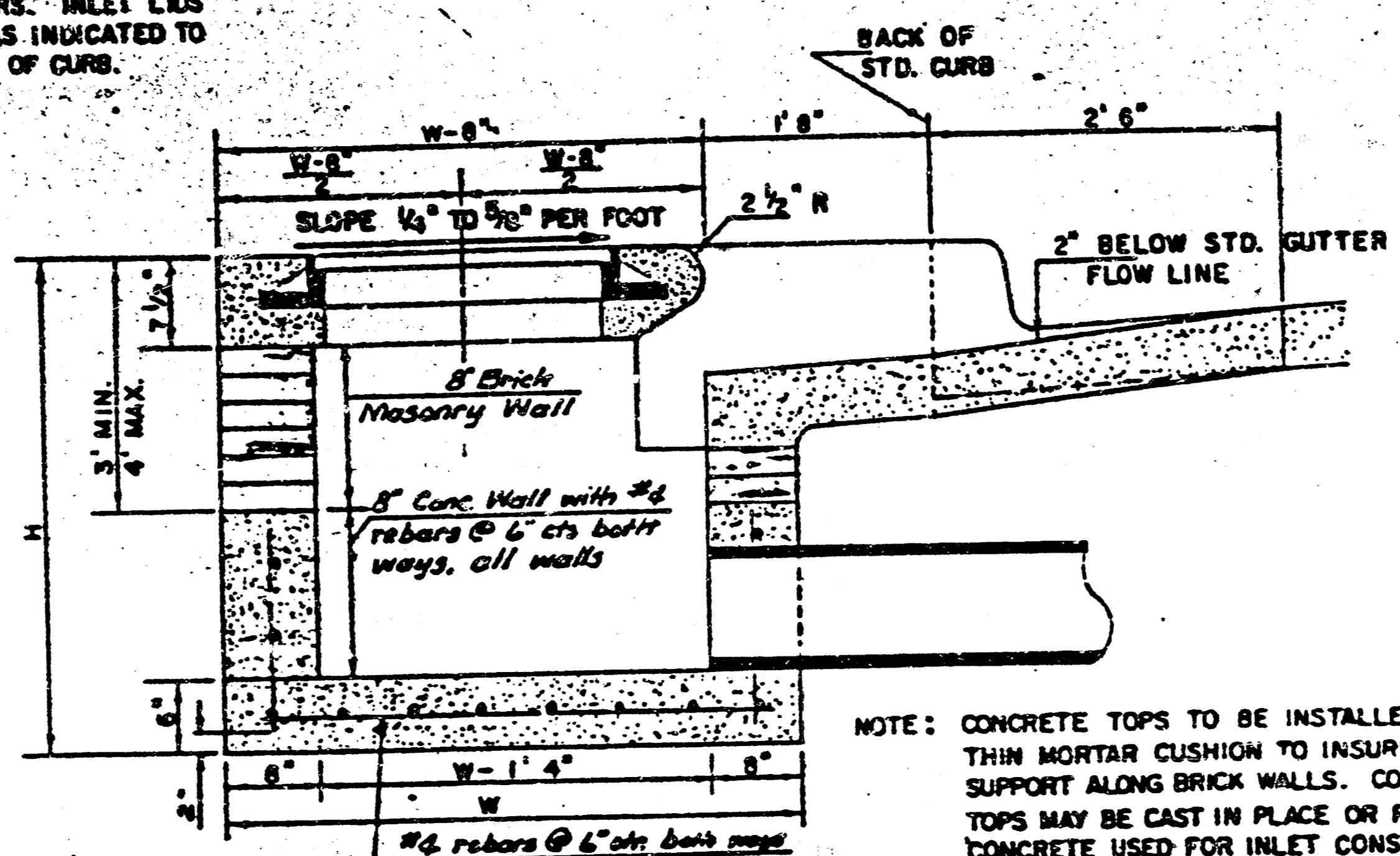
NOTE: EXPANSION JOINT ONLY IN CURB AREA WITH CONC. PAVEMENT

PLAN

NOTE: INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB.

NOTE: b3 bar to be field bent to clear manhole frame.

TRANSITION CURB TO MATCH INSIDE OF INLET WALL THROUGH RADIUS



SECTION A-A

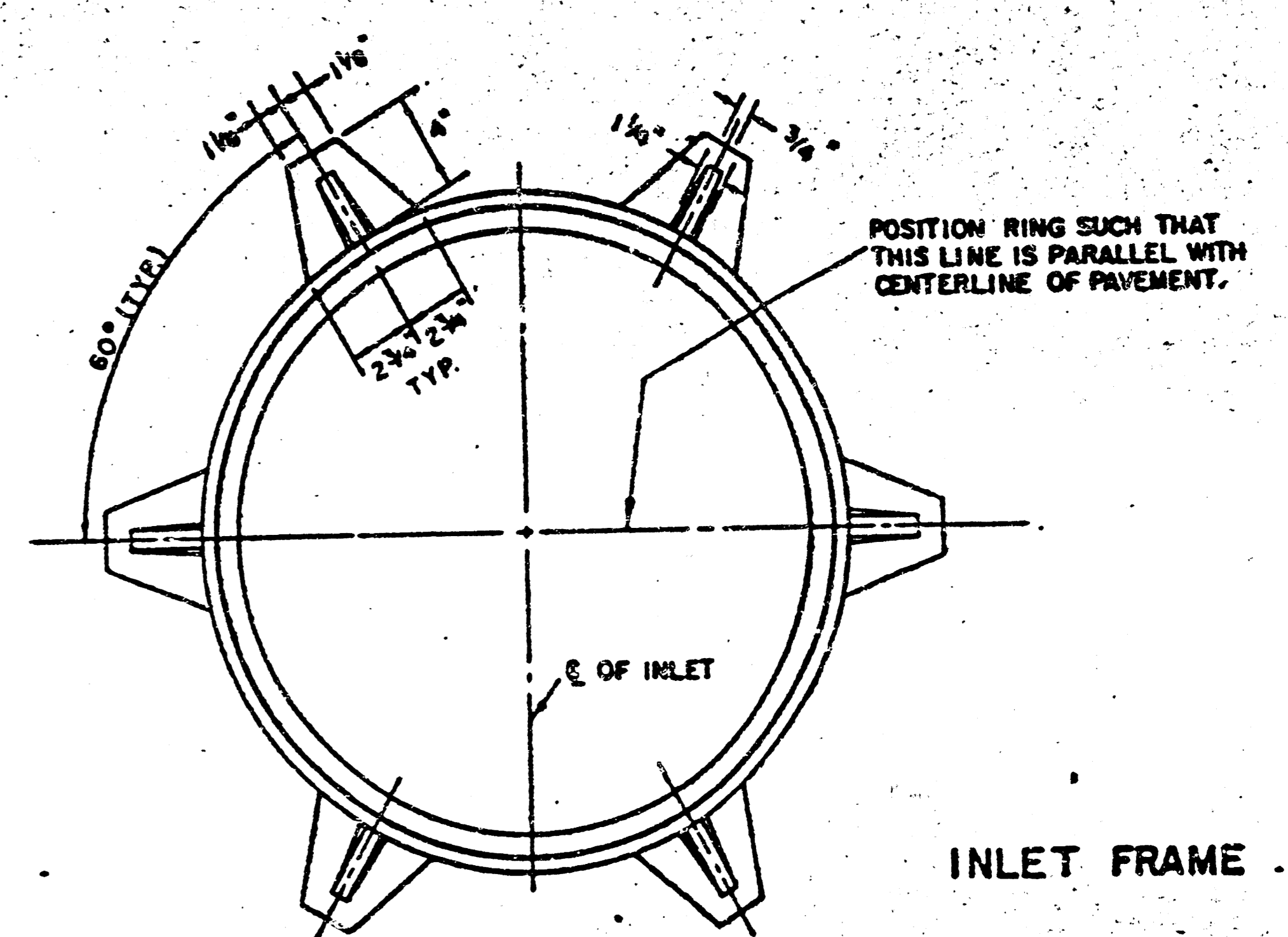
NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE USED FOR INLET CONSTRUCTION SHALL BE CONCRETE PAVEMENT MIX.

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 HOODING.

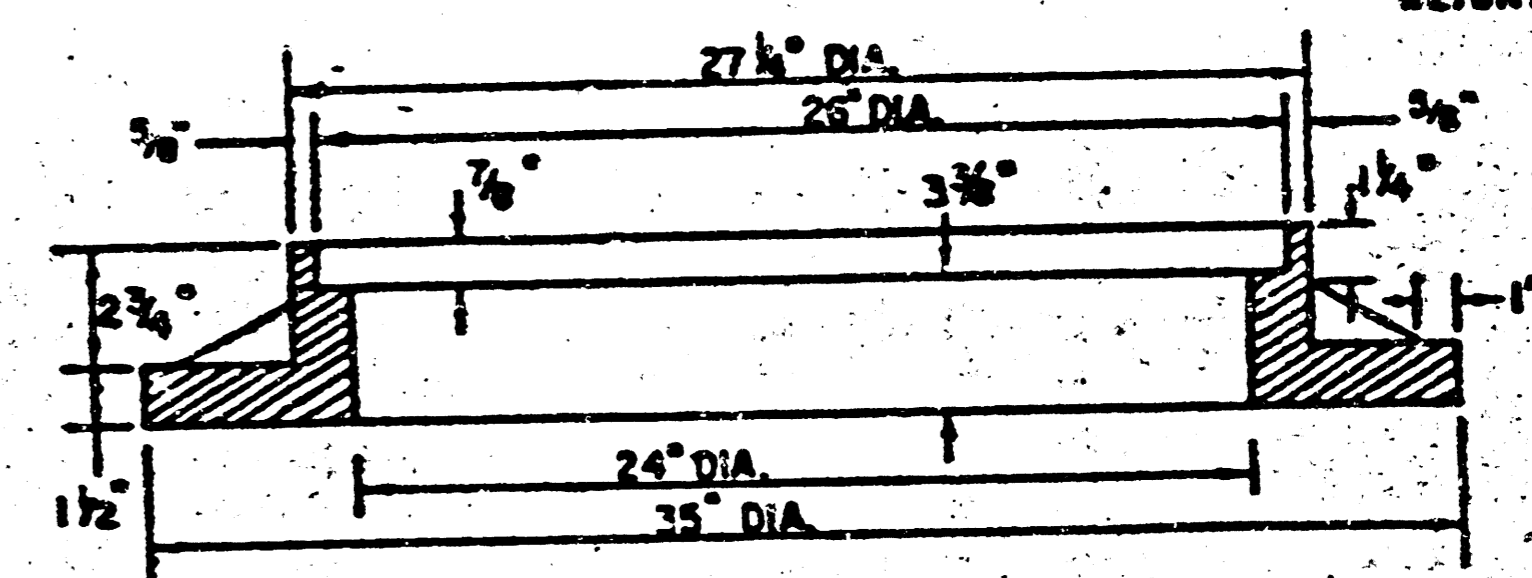
INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF-CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.

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



INLET FRAME

WEIGHT = 180 LBS.



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

STEEL SCHEDULE

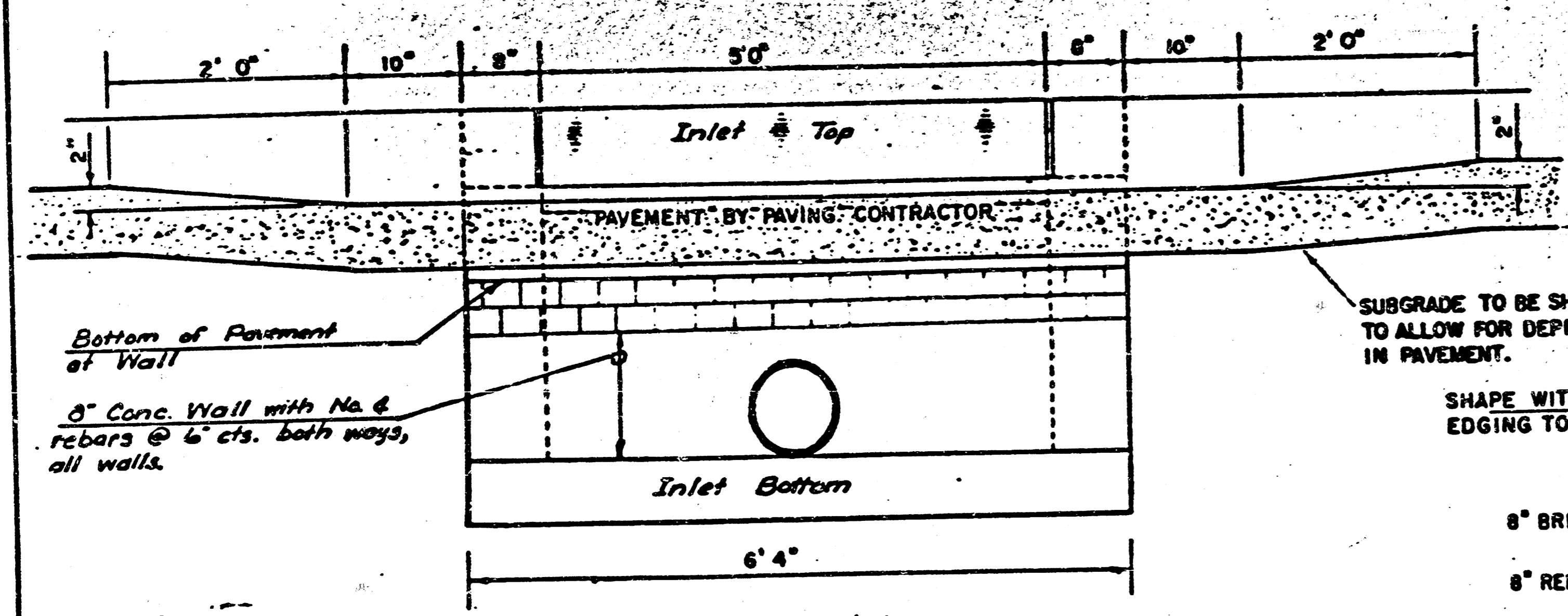
BAR NUMBER	a1	a2	a3	b1	b2	b3	b4	WT. LBS.
SIZE	#4	#4	#4	#4	#4	#4	#4	
W=4'-4"	57'	67'	40'	61'	-	-	-	80#
W=5'-4"	77'	87'	50'	61'	-	-	-	81#
W=6'-4"	97'	107'	60'	61'	-	-	-	101#
W=7'-4"	117'	127'	70'	61'	-	-	-	121#
W=8'-4"	137'	147'	80'	61'	-	-	-	141#

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

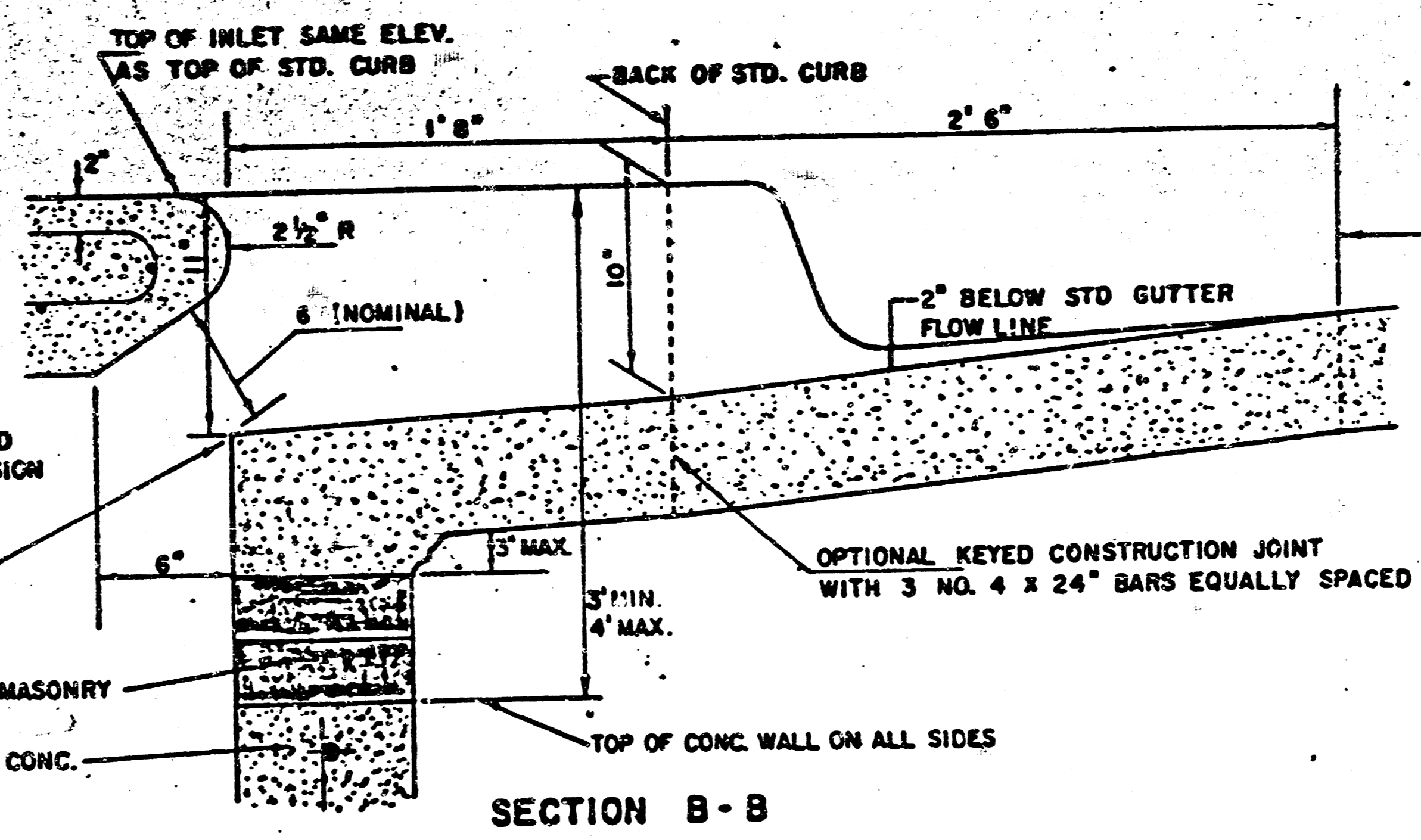
STANDARD CURB INLET PRECAST TOPS

W	PRE-CAST TOP SIZE	PIPE SIZE	DI. VD. CONC.
4'-4"	56" x 66" x 7 1/2"	21" Ø SMALLER	0.38#
5'-4"	66" x 76" x 7 1/2"	24" Ø 30"	0.51#
6'-4"	76" x 86" x 7 1/2"	28" Ø 42"	0.64#
7'-4"	86" x 96" x 7 1/2"	40" Ø 54"	0.77#
8'-4"	96" x 106" x 7 1/2"	50" Ø 66"	0.90#

BENDING DIAGRAM



SECTION C-C



SECTION B-B

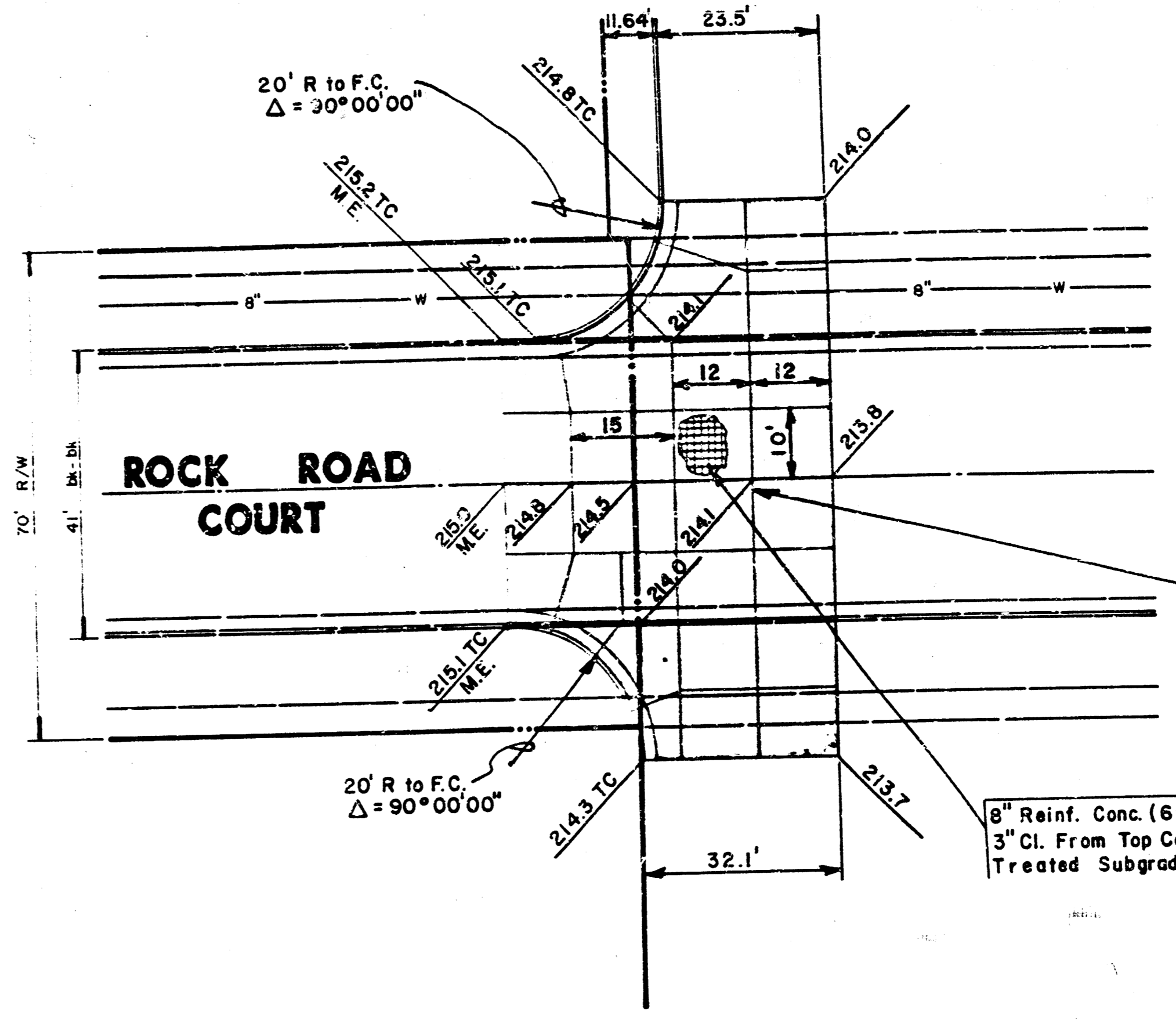
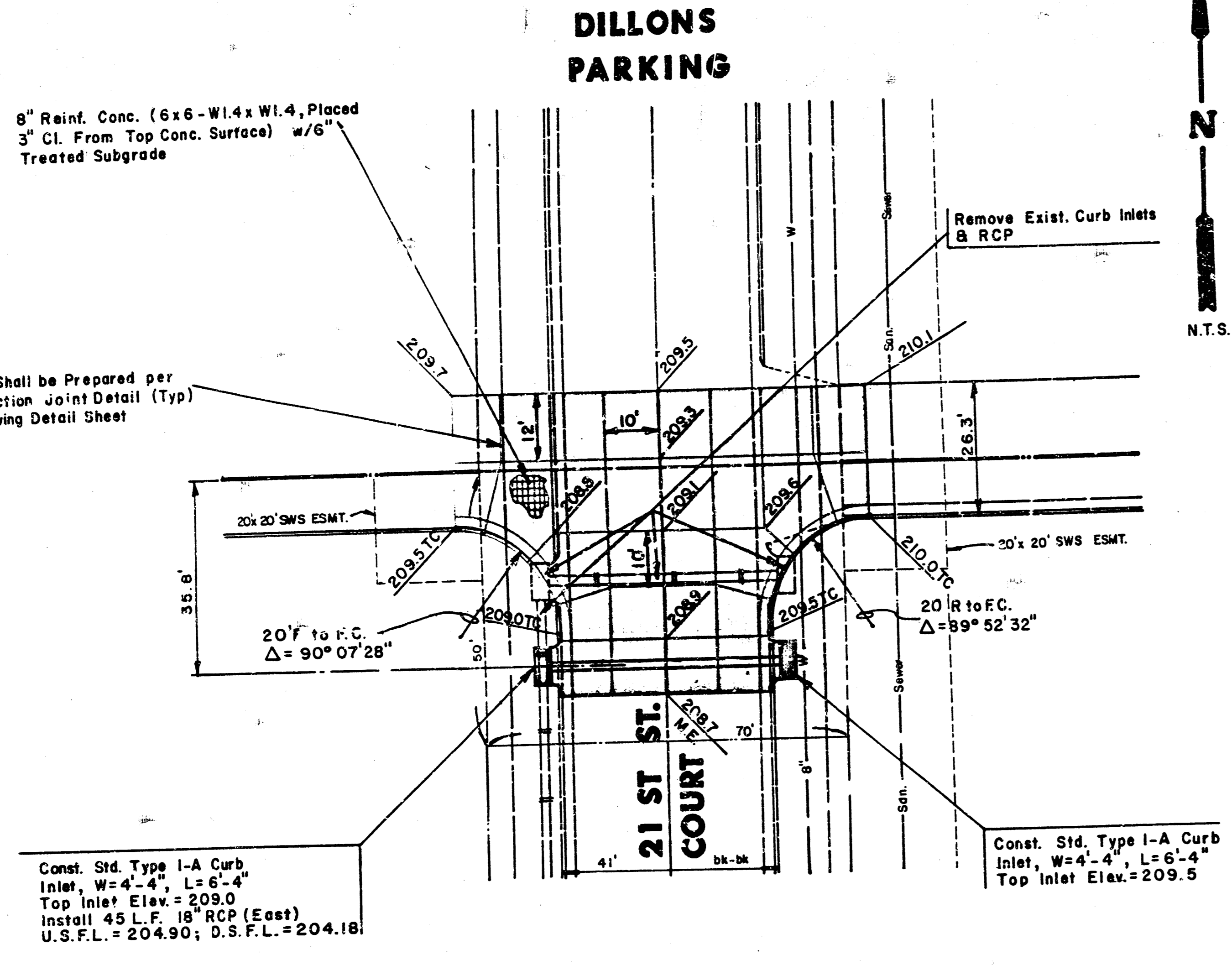
LIMITS OF GUTTER SHAPING AND/OR EDGE OF COMB. CURB AND GUTTER

REVISED 12-21-1984

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

JUNE 1984

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LEGEND

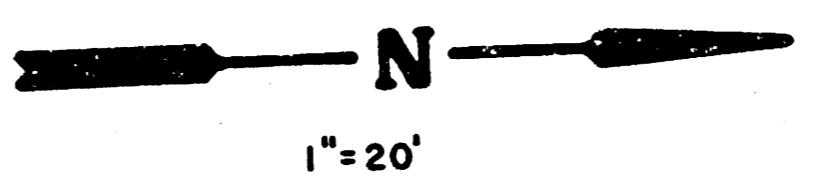
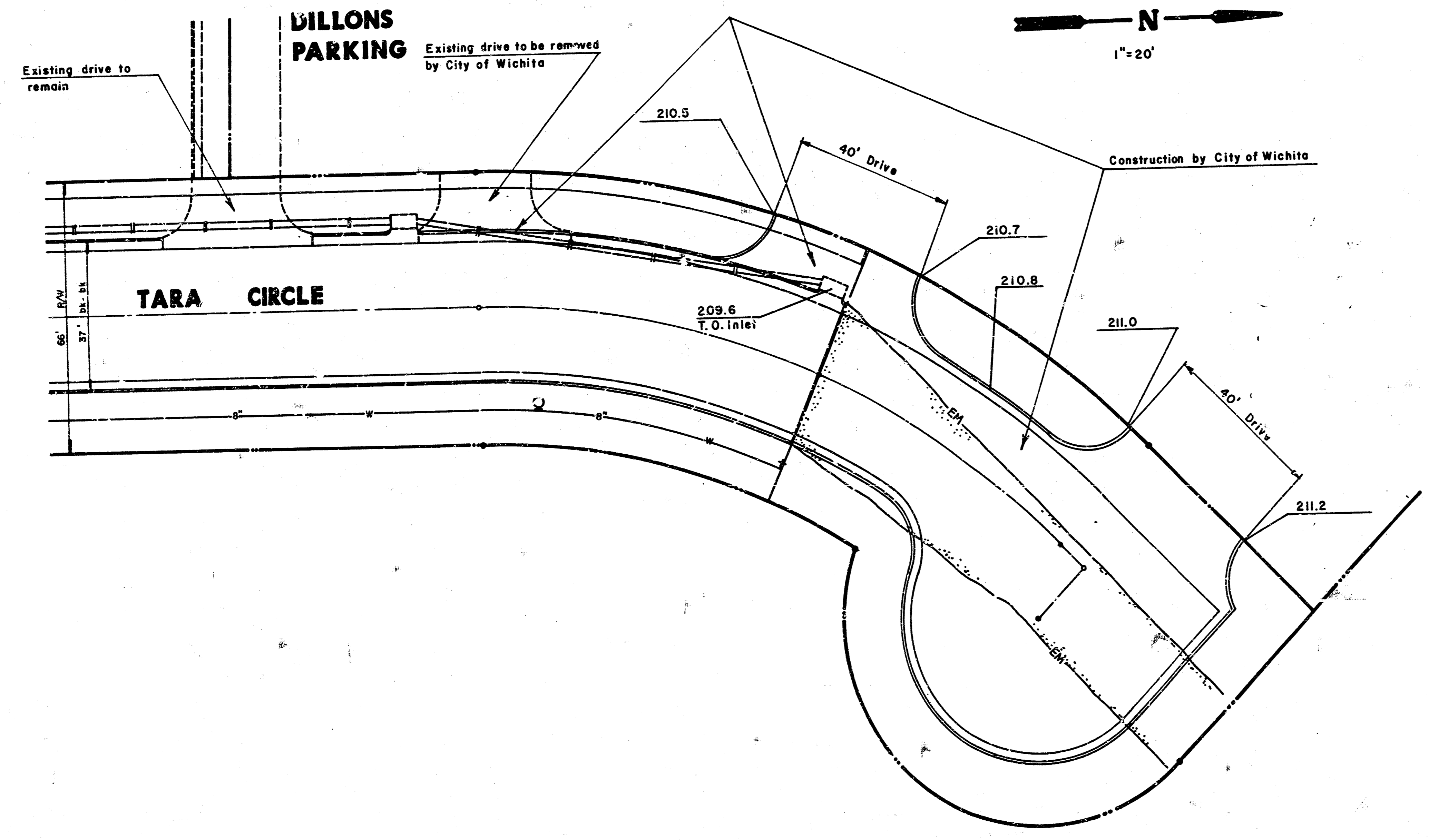
8" Reinforced Concrete
Color Tinted Concrete
(Color determined by Owner)

Note:
M.E. = Match Existing
215.3 TC = Top of Curb Elev

Const. Std. Type I-A Curb
Inlet, W=4'-4", L=6'-4"
Top Inlet Elev. = 209.0
Install 45 L.F. 18" RCP (East)
U.S.F.L. = 204.90; D.S.F.L. = 204.18

Const. Std. Type I-A Curb
Inlet, W=4'-4", L=6'-4"
Top Inlet Elev. = 209.5

8" Reinf. Conc. (6x6-W1.4xW1.4, Placed
3" Cl. From Top Conc. Surface) w/6"
Treated Subgrade



	DILLONS AT TALLGRASS	Design KHB
	INTERSECTION DETAILS	Drawn by DPR
Checked by KHB		
Date 2-21-86		
MID-KANSAS ENGINEERING CONSULTANTS PA 3500 NORTH ROCK ROAD BUILDING 8000 WICHITA, KANSAS 67226		Sheet 10 of 12

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AVAILABLE COPY