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

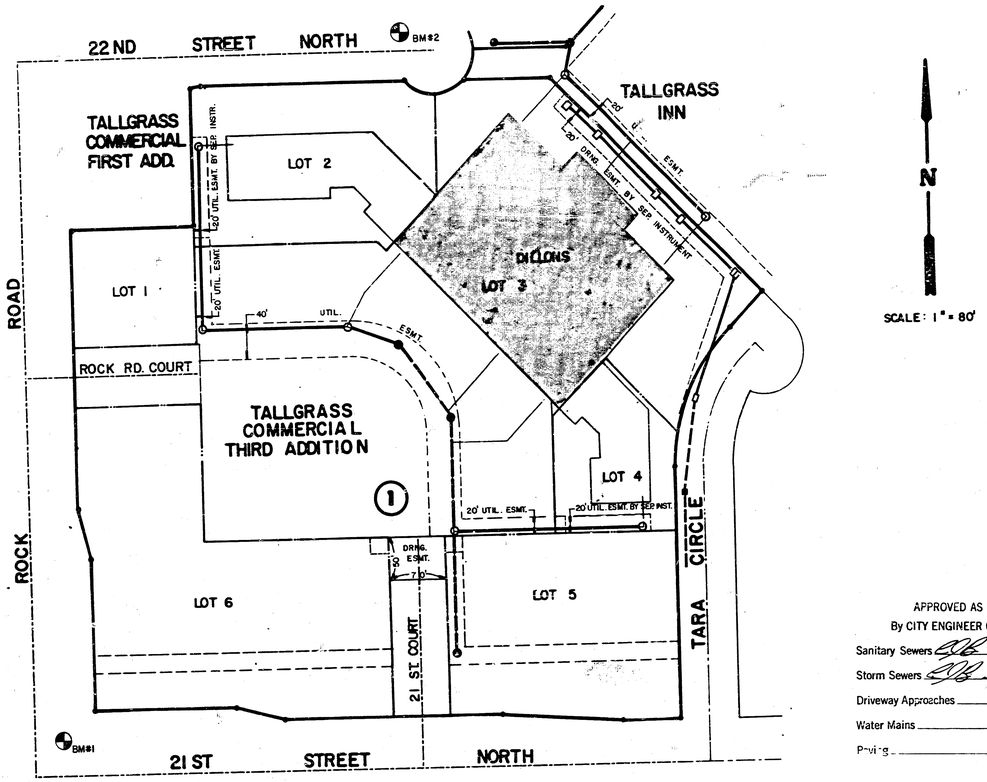
FEBRUARY 1986

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:

ARKLA 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.



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 "⊡" cut on top of north curb south of fire hydrant at east end of 22nd Street North
Elev. = 215.83

APPROVED AS NOTED
By CITY ENGINEER OF WICHITA
Sanitary Sewers DJB 3/5/86
Storm Sewers DJB 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

MKEC

DILLONS AT TALLGRASS

COVER SHEET

Design KKL
Drawn by DPR
Checked by KHB/DS
Date 2-21-86
Job No.

MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226
682-6561

Sheet 1 of 10

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EXECUTIVE PARK AT TALLGRASS

22nd ST. NO.

ROCK ROAD COURT

TALLGRASS INN

DILLONS
214.7

INDEPENDENCE COMMONS

216.7

212.7

Face of wall located 12" inside Property Line

Face of wall parallel and on Property Line (This R/W only)

Building lights by Owner (Typ.)

Relocate existing Fire Hydrant per Wichita Fire Dept

To Pylon Sign

TARA CIR.

NOTE:
The 8" 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.

LEGEND

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

1" = 30'

N

Revised 3-18-86

DILLONS AT TALLGRASS	Design KKL; Drawn by DPR; Checked by KHB; Date 2-21-86; Job no.
SITE UTILITY PLAN	Sheet 2/10 of 12

MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING 1800
WICHITA, KANSAS 67226
682-6561

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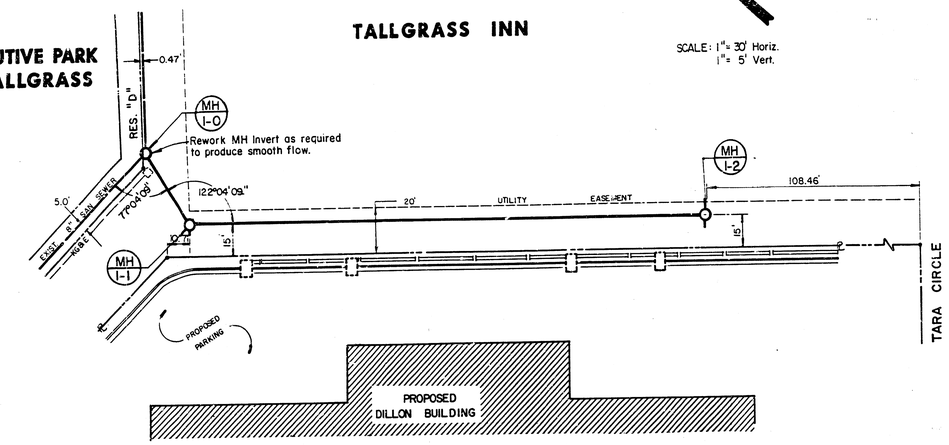
LOT 1 BLOCK 1

TALLGRASS INN

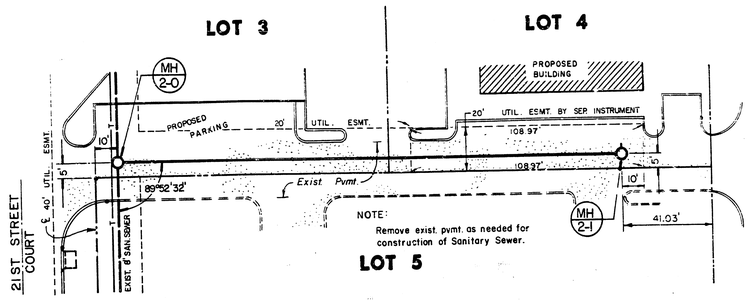
EXECUTIVE PARK AT TALLGRASS



LOT 3 BLOCK 1

TALLGRASS COMMERCIAL THIRD ADDITION

TALLGRASS COMMERCIAL THIRD ADDITION



PLAN LINE 1

PROFILE LINE 1

PLAN LINE 2

PROFILE LINE 2

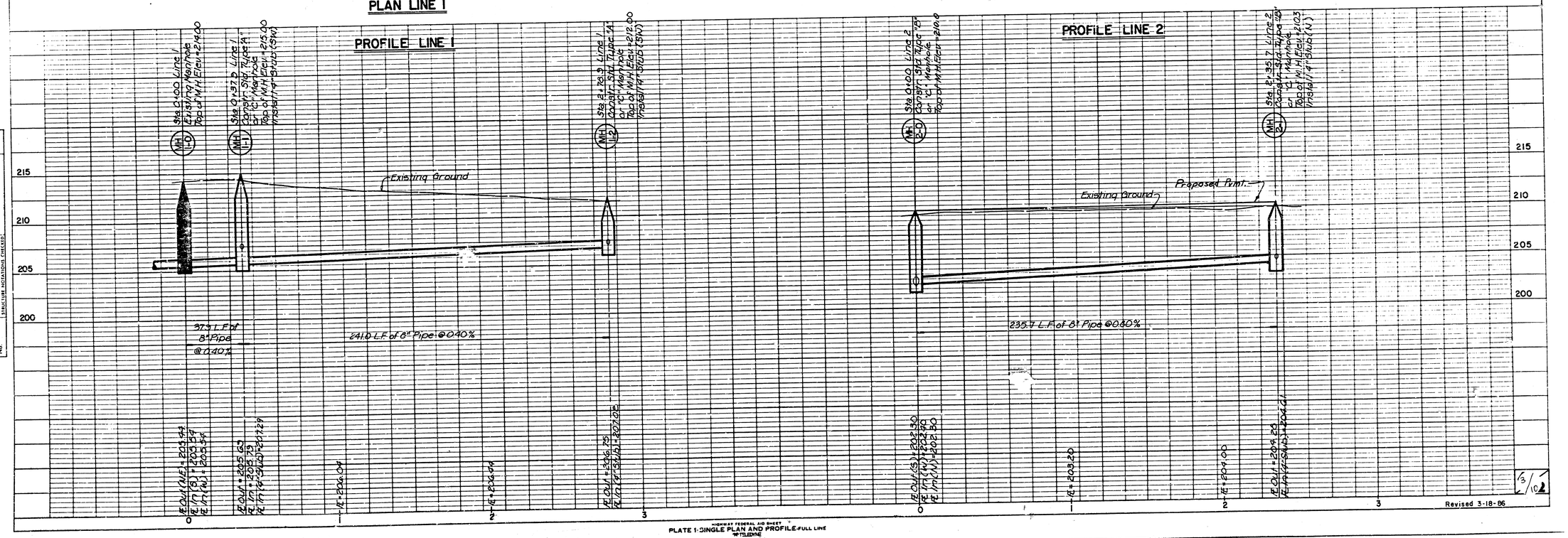


PLATE 1: SINGLE PLAN AND PROFILE-FULL LINE
HIGHWAY FEDERAL AID SHEET
TELEDYNE
PRINTED IN U.S.A.

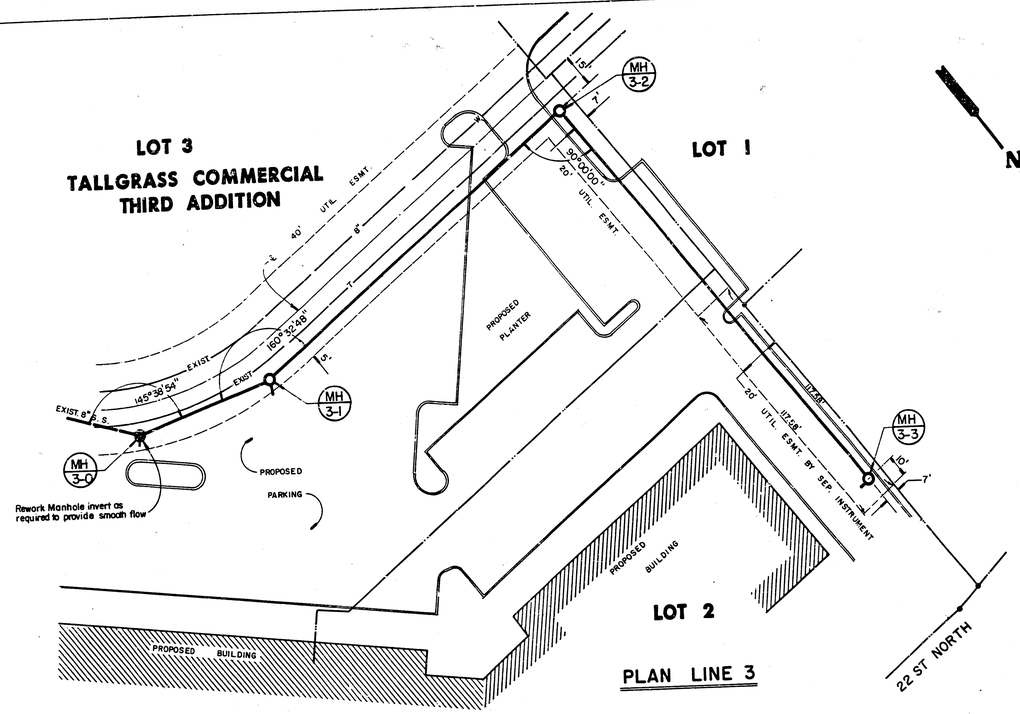
Revised 3-18-86

3/10

PLAN | SURVEYED | DRAWN | NOTE BOOK | PLOTTED | No. | HIGHWAY CHECKED | BY | DATE

PROFILE | SURVEYED | DRAWN | NOTE BOOK | PLOTTED | No. | GRADES CHECKED | B.M.'s NOTED | STRUCTURE LOCATIONS CHECKED | BY | DATE

FILMED FROM THE BEST AVAILABLE COPY



N

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 LICENCED 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.
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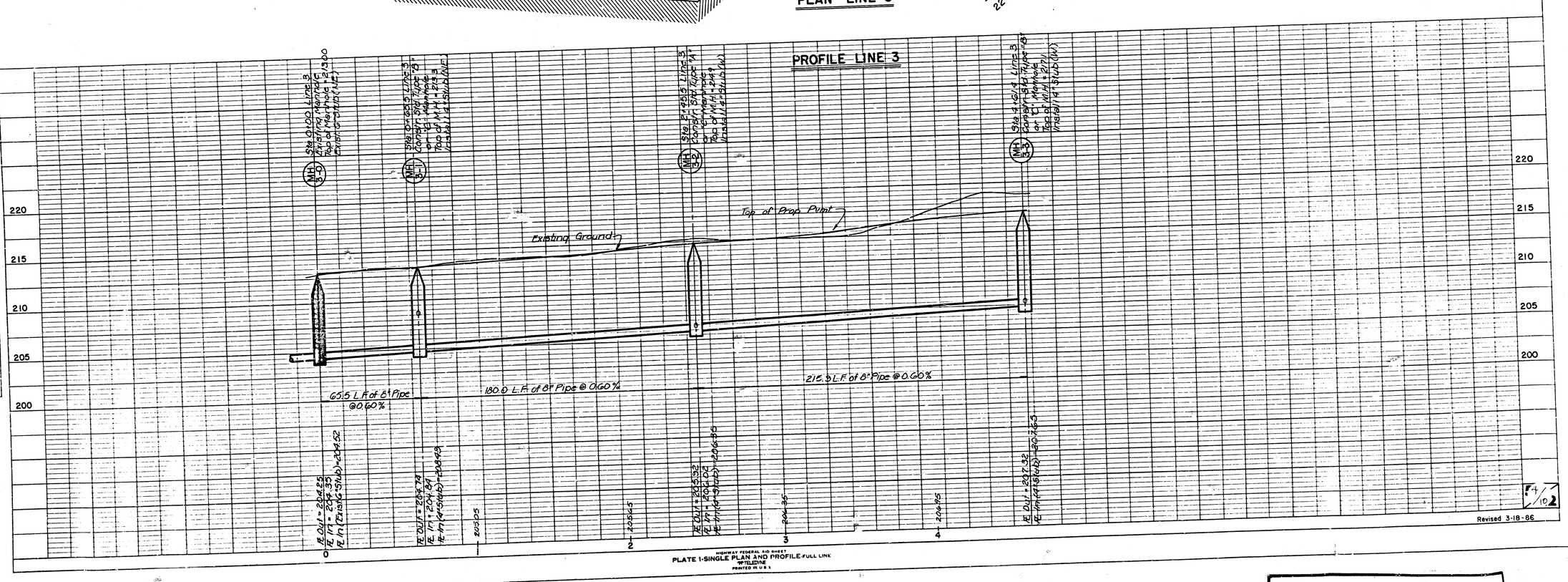
PLAN
NOTE BOOK
No.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
BY CO WAY CHECKED

PROFILE
NOTE BOOK
No.
SURVEYED
PLOTTED
VERTICAL CHECKED
B.M.'s NOTED
LIBRARY NOTATIONS CHECKED
DATE
BY

PROFILE LINE 3



Revised 3-18-86

HIGHWAY FEDERAL AID SHEET
PLATE 1-SINGLE PLAN AND PROFILE-FULL LINK
TELEDYNE
PRINTED IN U.S.A.

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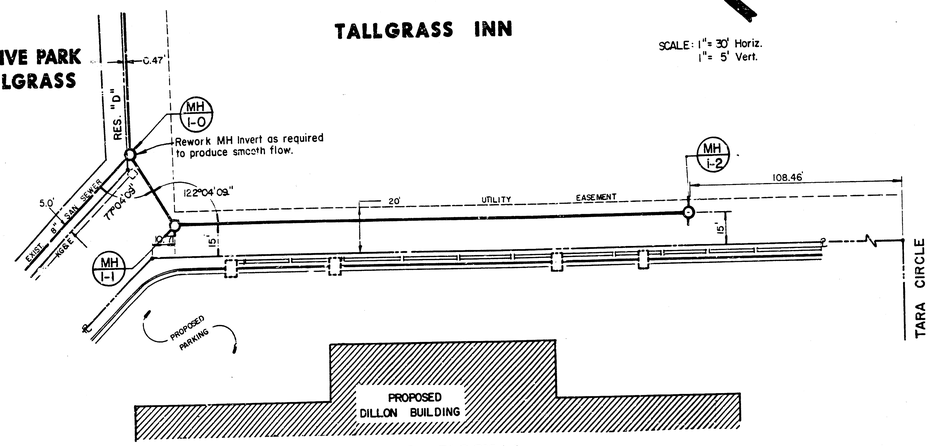
LOT 1 BLOCK 1

TALLGRASS INN

EXECUTIVE PARK AT TALLGRASS

N

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



LOT 3 BLOCK 1
TALLGRASS COMMERCIAL
THIRD ADDITION

TALLGRASS COMMERCIAL THIRD ADDITION

LOT 3 LOT 4

N

SCALE: 1"= 30' Horiz.
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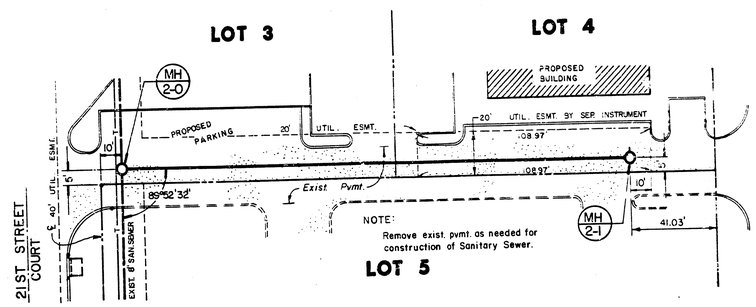
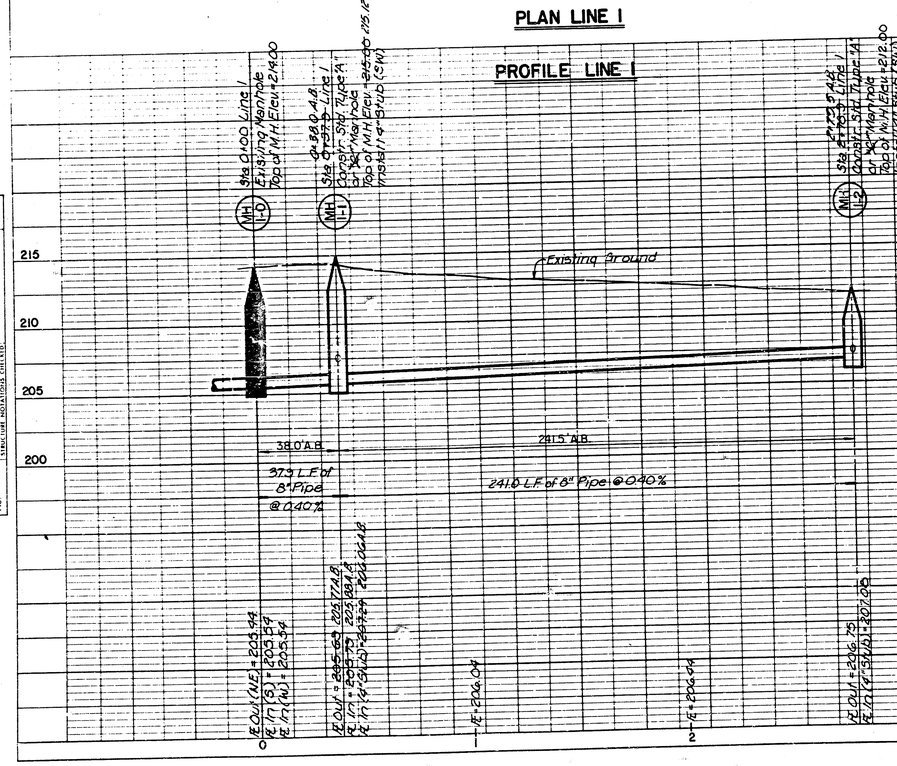


LEGEND
A.B.=As Built

As Built
Feb., 1987

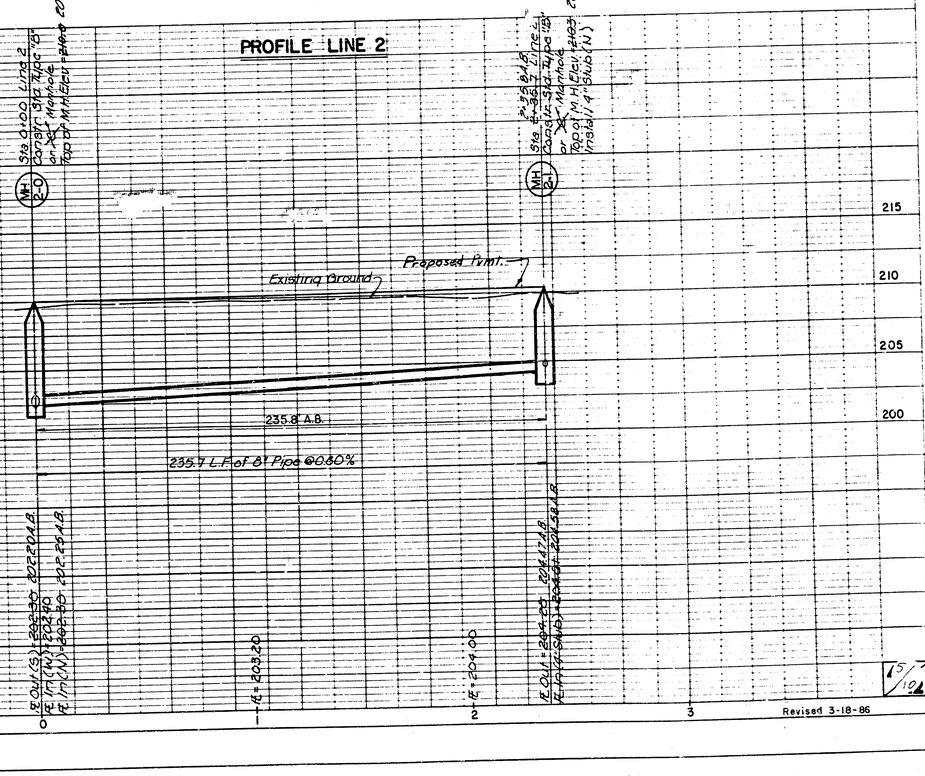
PLAN LINE 1

PROFILE LINE 1



PLAN LINE 2

PROFILE LINE 2



Revised 3-18-86

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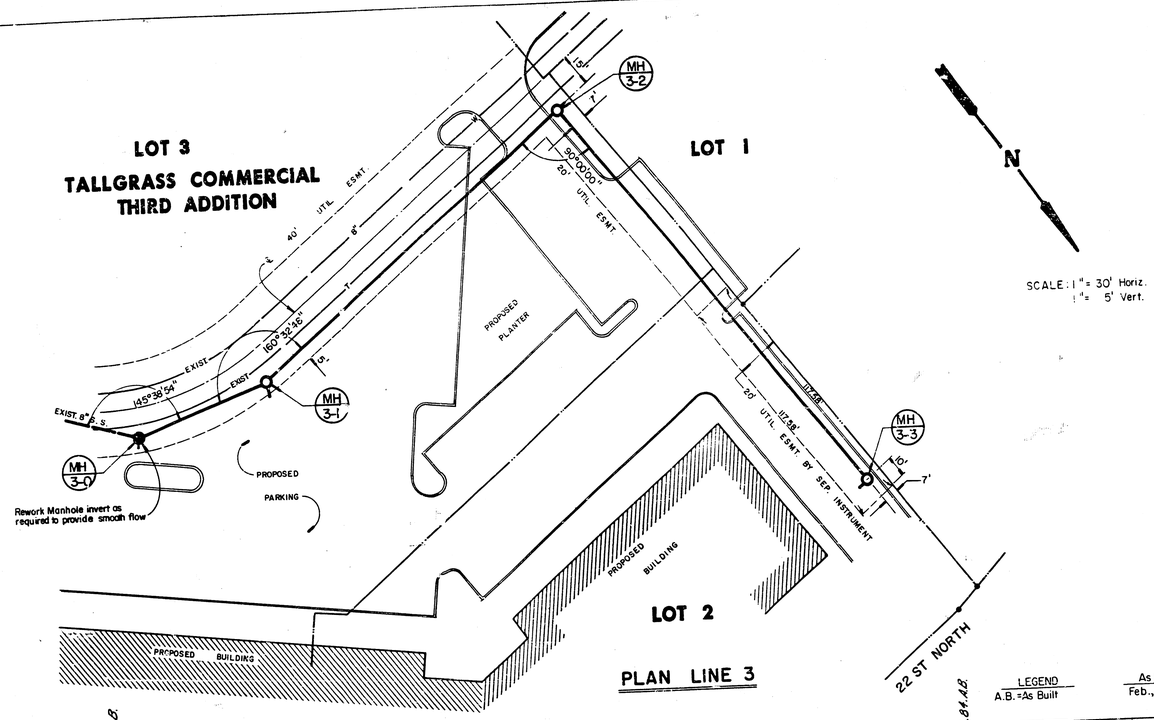

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PLAN
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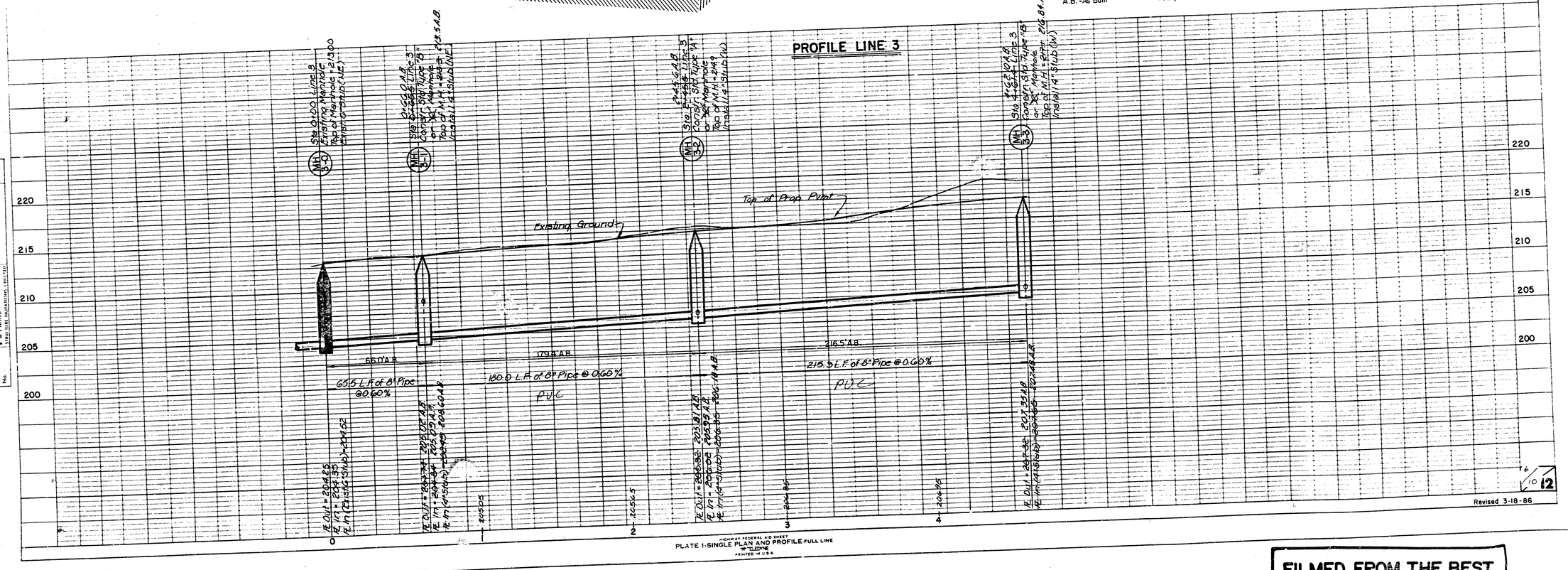
No.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
BY OF WAY CHECKED

PROFILE
NOTE BOOK
No.
SURVEYED
PLOTTED
GRADES CHECKED
B.M.'s NOTED
STRUCTURE NOTATIONS CHECKED



HIGHWAY FEDERAL AID SHEET
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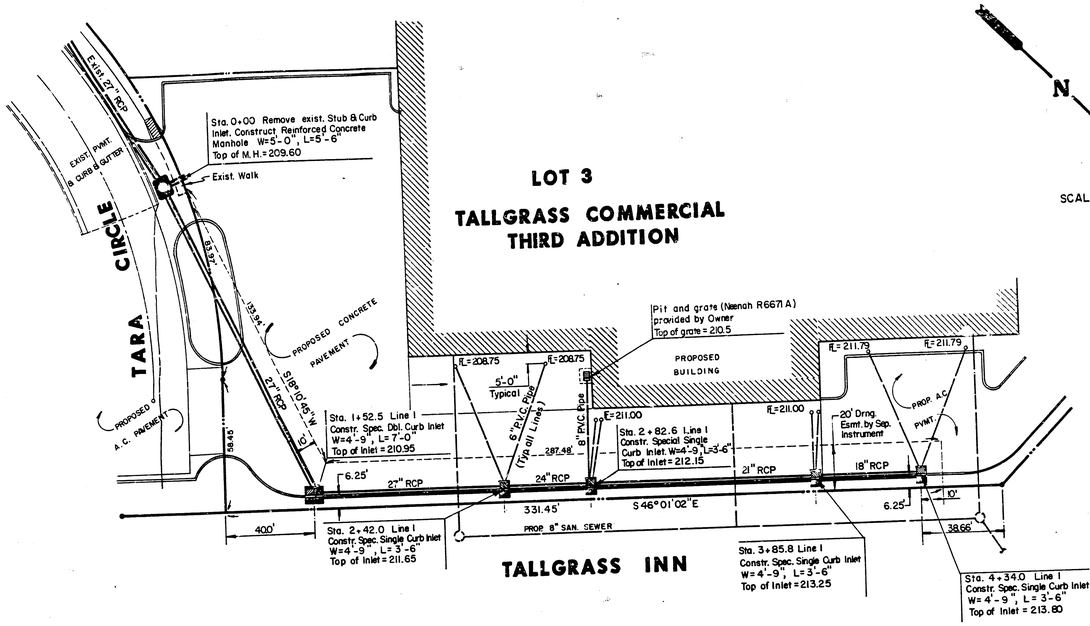

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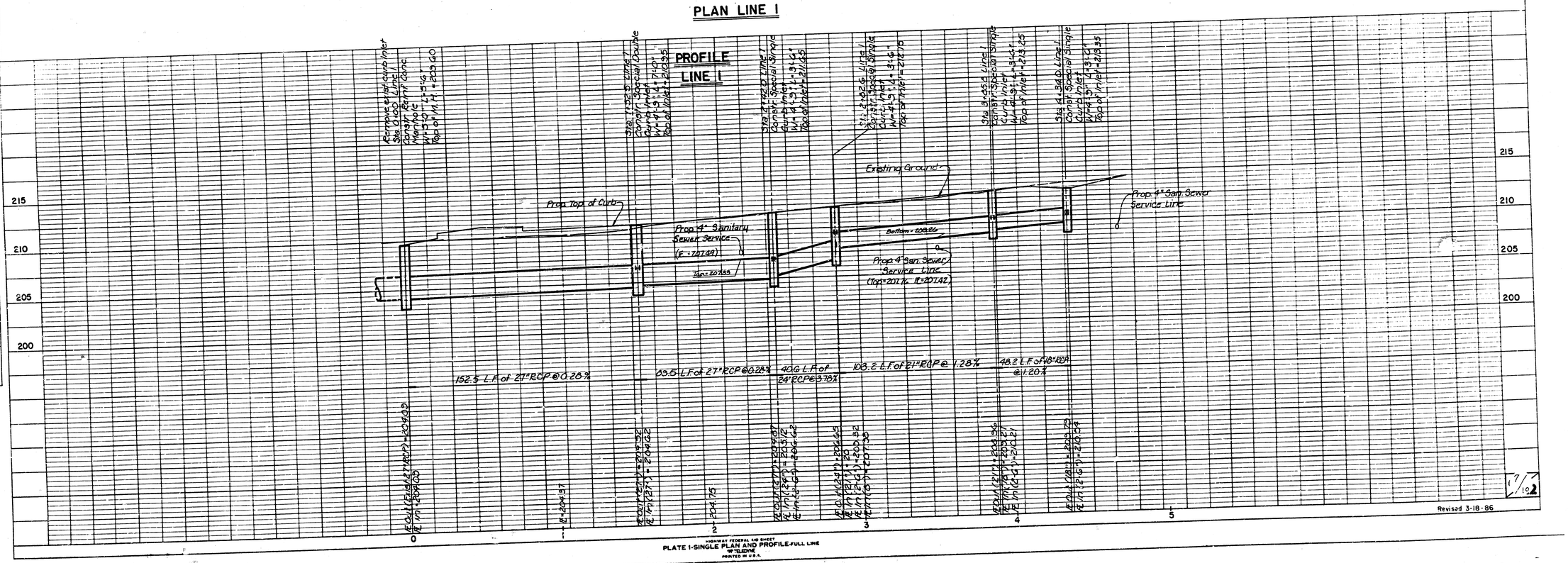
PLAN
SUBMITTED
PLOTTED
NOTE BOOK ACCEPTANCE CHECKED
No. BY CITY ENGINEER

PLAN LINE I

PROFILE LINE I



PROFILE
SUBMITTED
PLOTTED
NOTE BOOK GRADES CHECKED
No. BY CITY ENGINEER
DATE
BY
RESULTANT NOTATIONS CHECKED

17/19

Revised 3-18-86

HIGHWAY FEDERAL 40 SHEET
TELEDYNE
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PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE

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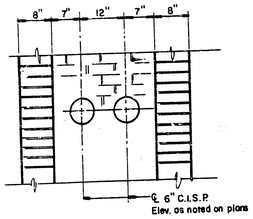
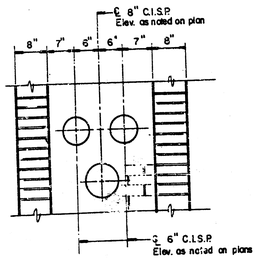


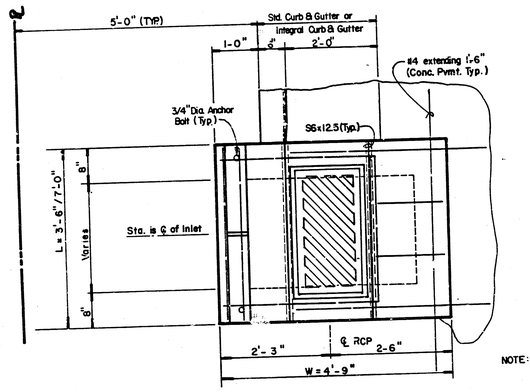
ELEVATION VIEW

Cast Iron Soil Pipe at Inlet (Typ.)



ELEVATION VIEW

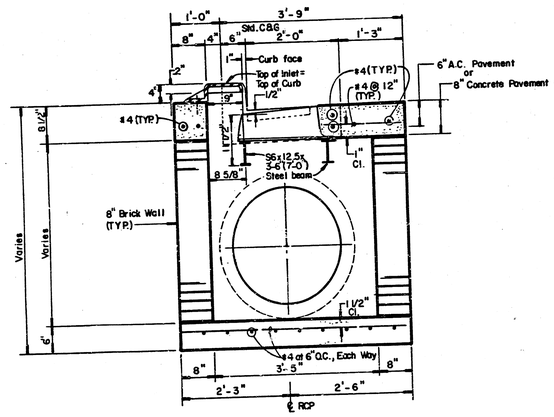
Cast Iron Soil Pipe at Inlet - Sta. 2+83.8



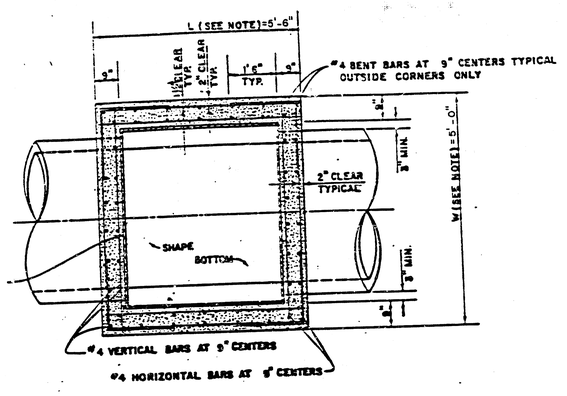
NOTE: Use Neenah R-3289-C Single Inlet Frame, Grate, and Curb Plate or Neenah R 3288-E Double Inlet Frame w/Two piece Grate and Curb Plate

Grout pad under Curb Plate to ensure Top of Inlet Casting = Top of Curb

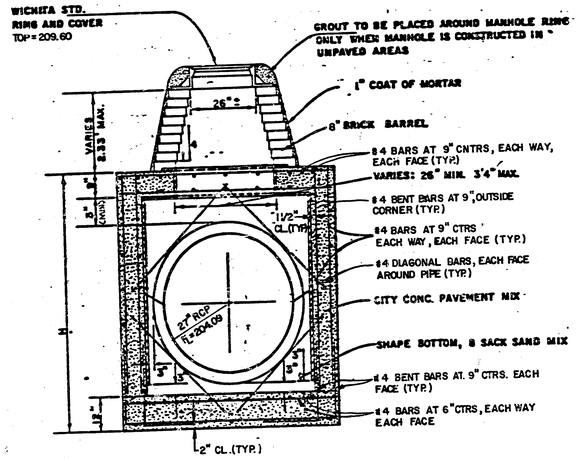
TOP VIEW



SPECIAL CURB INLET



TOP VIEW



REINFORCED CONCRETE MANHOLE

STA. 0+00 Line 1

DILLONS AT TALLGRASS

STORM SEWER INLET DETAILS

Design	FBN
Drawn by	DPR
Checked by	KHB
Date	2-21-86
Job no.	
Sheet no.	8 / 10
of	12

MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226
682-6561

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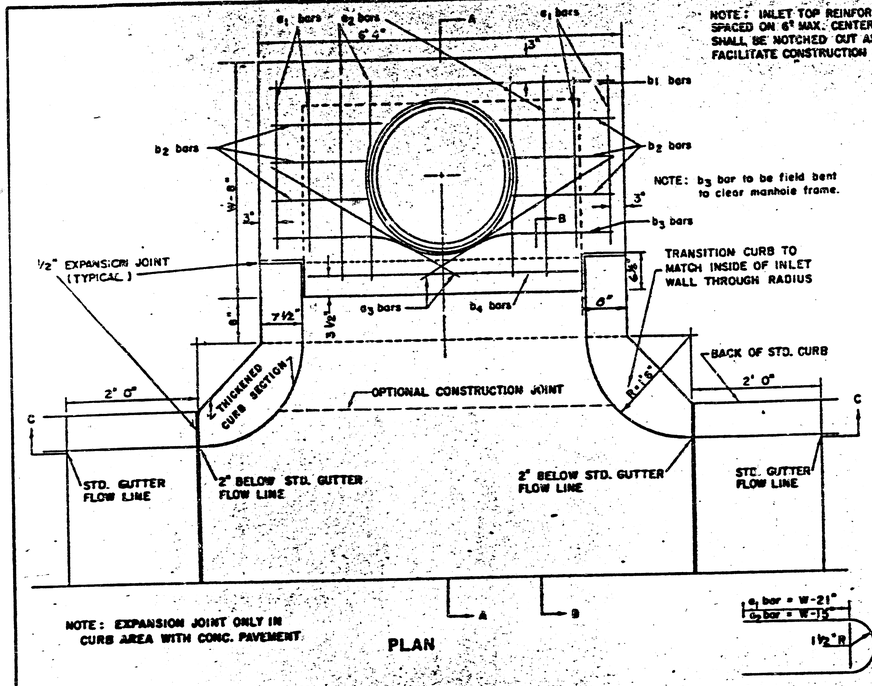


NOTE: EXPANSION JOINT ONLY IN CURB AREA WITH CONC. PAVEMENT.

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: b_3 bar to be field bent to clear manhole frame.

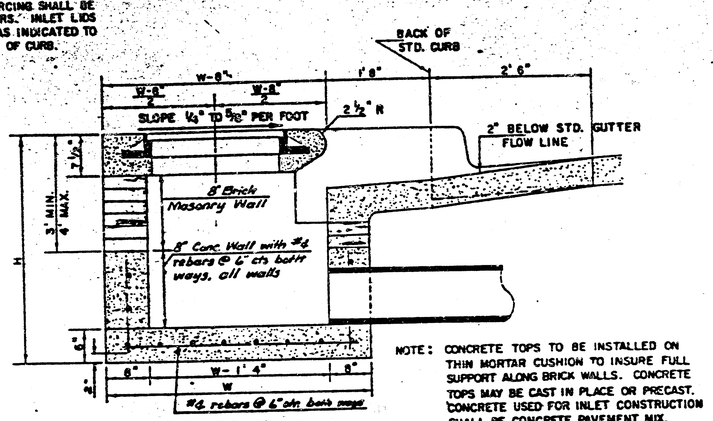
BENDING DIAGRAM

STEEL SCHEDULE

BAR	a_1	a_2	a_3*	b_1 W=4'4"	W=5'4"	W=6'4"	W=7'4"	W=8'4"	b_2	b_3	b_4	WT. LBS.
NUMBER	4	4	2	1	3	5	7	9	6	1	1	
SIZE	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#6	
LENGTH W=4'4"	5'7"	6'7"	4'0"	6'1"	–	–	–	–	1'8"	6'2"	4'8"	60#
LENGTH W=5'4"	7'7"	8'7"	5'0"	–	6'1"	–	–	–	1'8"	6'2"	4'8"	81#
LENGTH W=6'4"	9'7"	10'7"	6'0"	–	–	6'1"	–	–	1'8"	6'2"	4'8"	101#
LENGTH W=7'4"	11'7"	12'7"	7'0"	–	–	–	6'1"	–	1'8"	6'2"	4'8"	121#
LENGTH W=8'4"	13'7"	14'7"	8'0"	–	–	–	–	6'1"	1'8"	6'2"	4'8"	141#

* NOTE: a_3 BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU.YD. CONC.
4' 4"	3'8"x 6'4" x7 1/2"	21" & SMALLER	0.38 #
5' 4"	4'8"x 6'4" x7 1/2"	24" & 30"	0.51 #
6' 4"	5'8"x 6'4" x7 1/2"	36" & 42"	0.64 #
7' 4"	6'8"x 6'4" x7 1/2"	48" & 54"	0.77 #
8' 4"	7'8"x 6'4" x7 1/2"	60" & 66"	0.90 #



SECTION A-A

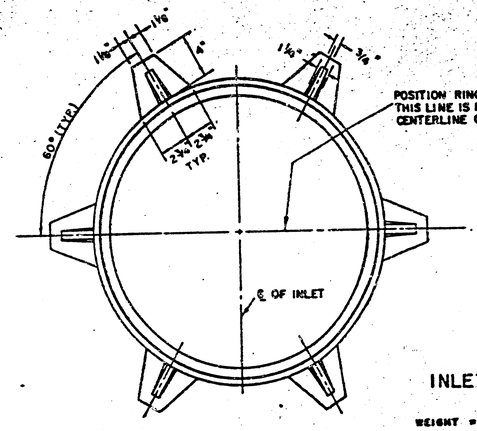
NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE USED FOR INLET CONSTRUCTION SHALL BE CONCRETE PAVEMENT MIX.

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 HOOKUP.

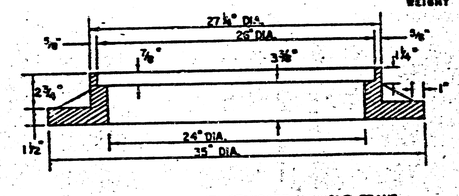
INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.

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

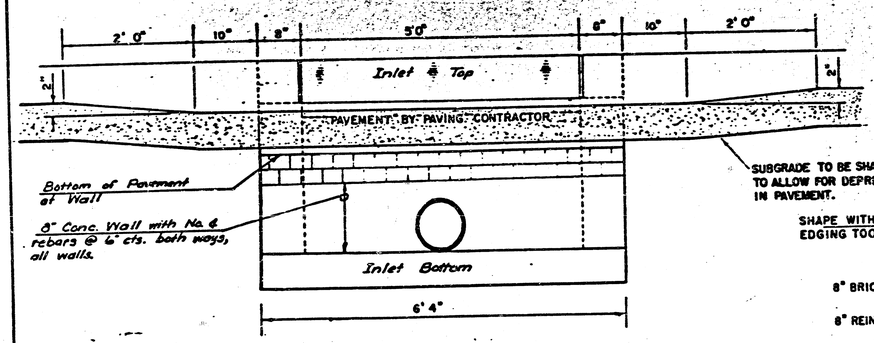


INLET FRAME

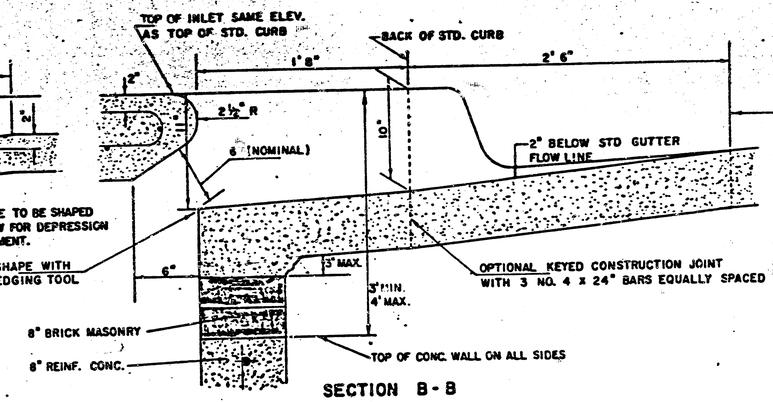
WEIGHT = 180 LBS.



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



SECTION C-C



SECTION B-B

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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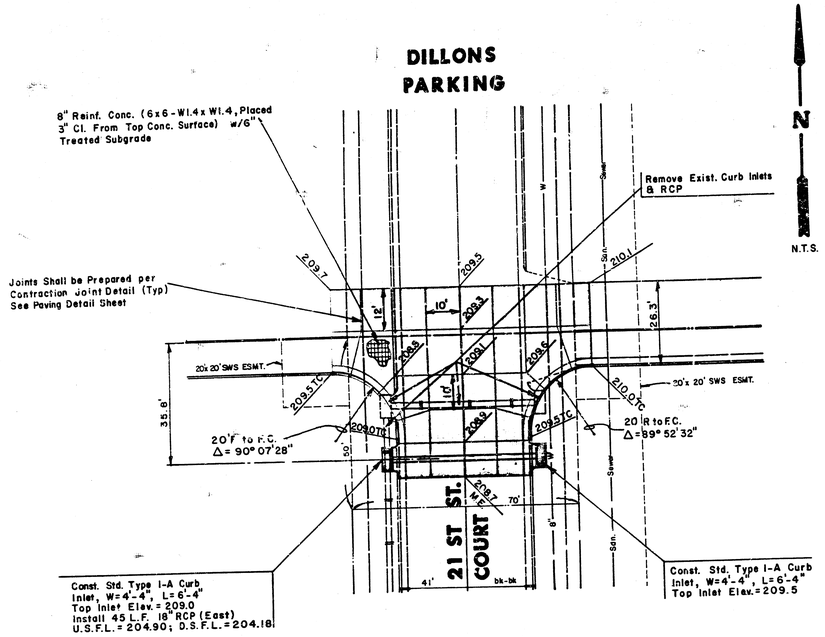
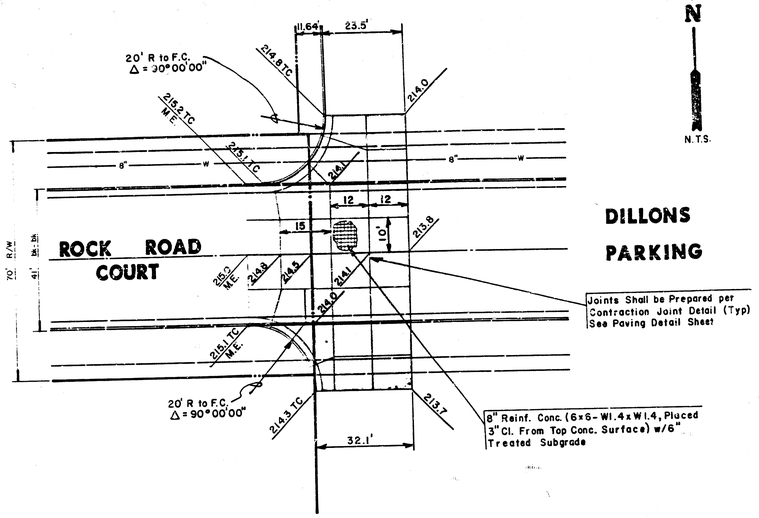
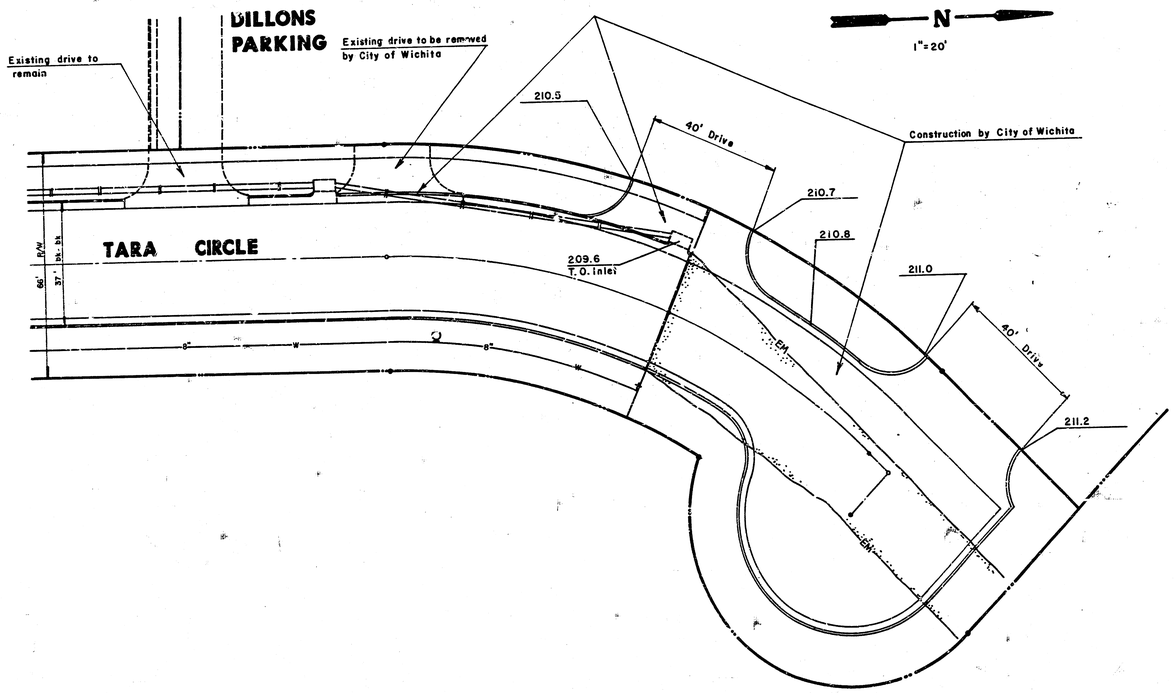


LEGEND

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

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





MK EC	DILLONS AT TALLGRASS
	INTERSECTION DETAILS
MID-KANSAS ENGINEERING CONSULTANTS PA 3500 NORTH ROCK ROAD BUILDING 800C, WICHITA, KANSAS 67226	682-5551

Design	KHB
Drawn by	DPR
Checked by	KHB
Date	2-21-86
Job no.	
Sheet	10
of	12

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