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.
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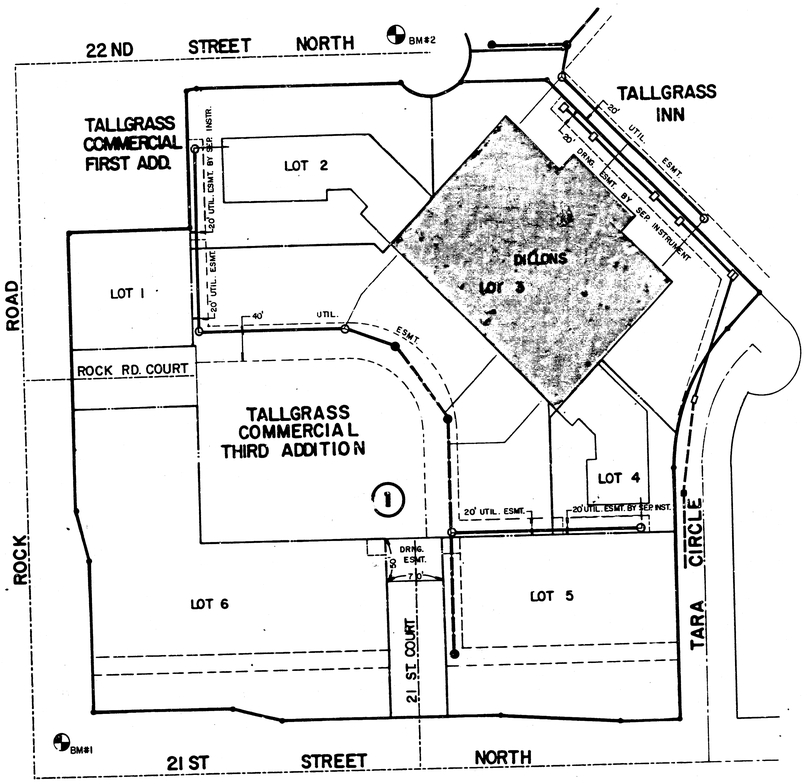
4. CONTRACTOR SHALL NOTIFY THE FOLLOWING COMPANIES PRIOR TO EXCAVATION:

ARKLA GAS COMPANY	942-8350
BELL TELEPHONE	1-316-268-2256
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.



N

SCALE: 1" = 80'

APPROVED AS NOTED
By CITY ENGINEER OF WICHITA

Sanitary Sewers DB 3/5/86
Storm Sewers DB 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.

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

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 #500
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

TARA CIR.

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

33'-6" CICL SJ Pipe
1 - 6" CMid 90° Bend

28'-6" CICL SJ Pipe

To Pylon Sign

Existing Powerpole

Existing S.C. Pavement

Existing 27" RCP

Existing 8" Sanitary Sewer

Existing 6" Sanitary Sewer

Existing 6" Water

Existing 8" Water

Existing 6" Gas

Existing 8" Gas

Existing 6" Storm Sewer

Existing 8" Storm Sewer

Existing 6" Fire Protection

Existing 8" Fire Protection

Existing 6" Water Valve

Existing 8" Water Valve

Existing Fire Hydrant

Existing Light Pole

Existing Telephone Pedestal

Existing Gas Valve

Existing Gas Meter

Existing Gas Line Marker

Existing Electric Transformer

Existing Electric Line

Existing Telephone Line

Existing Cable TV Line

Existing Cable TV Pedestal

Existing Cable TV Marker

Existing Telephone Marker

Existing Electric Marker

Existing Manhole

Existing Clean Out

Existing Water Meter Vault

Existing Water Meter

Existing Concrete Curb

Existing Concrete Sidewalk

Existing Concrete Pavement

Existing Asphalt Pavement

Existing Gravel

Existing Building

Existing Wall

Existing Pier

Existing Sign

Existing Tree

Existing Shrub

Existing Bush

Existing Grass

Existing Ground Cover

Existing Rock

Existing Boulder

Existing Fence

Existing Gate

Existing Mailbox

Existing Newspaper Box

Existing Bench

Existing Trash Can

Existing Flower Bed

Existing Planter

Existing Retaining Wall

Existing Steps

Existing Ramp

Existing Curb Cut

Existing Handicap Ramp

Existing Parking Space

Existing Parking Lot

Existing Driveway

Existing Entrance

Existing Exit

Existing One Way

Existing Two Way

Existing Stop Sign

Existing Yield Sign

Existing No Parking Sign

Existing Handicap Parking Sign

Existing Fire Lane Sign

Existing Speed Limit Sign

Existing Traffic Light

Existing Traffic Light Pole

Existing Traffic Light Controller

Existing Traffic Light Cable

Existing Traffic Light Conduit

Existing Traffic Light Junction Box

Existing Traffic Light Pedestal

Existing Traffic Light Mast Arm

Existing Traffic Light Signal Head

Existing Traffic Light Backplate

Existing Traffic Light Visor

Existing Traffic Light Lens

Existing Traffic Light Bulb

Existing Traffic Light Reflector

Existing Traffic Light Housing

Existing Traffic Light Door

Existing Traffic Light Latch

Existing Traffic Light Hinge

Existing Traffic Light Gasket

Existing Traffic Light Terminal Block

Existing Traffic Light Fuse

Existing Traffic Light Fuse Holder

Existing Traffic Light Circuit Breaker

Existing Traffic Light Relay

Existing Traffic Light Timer

Existing Traffic Light Flasher

Existing Traffic Light Transformer

Existing Traffic Light Rectifier

Existing Traffic Light Capacitor

Existing Traffic Light Resistor

Existing Traffic Light Diode

Existing Traffic Light Transistor

Existing Traffic Light Integrated Circuit

Existing Traffic Light Printed Circuit Board

Existing Traffic Light Wiring Harness

Existing Traffic Light Connector

Existing Traffic Light Plug

Existing Traffic Light Socket

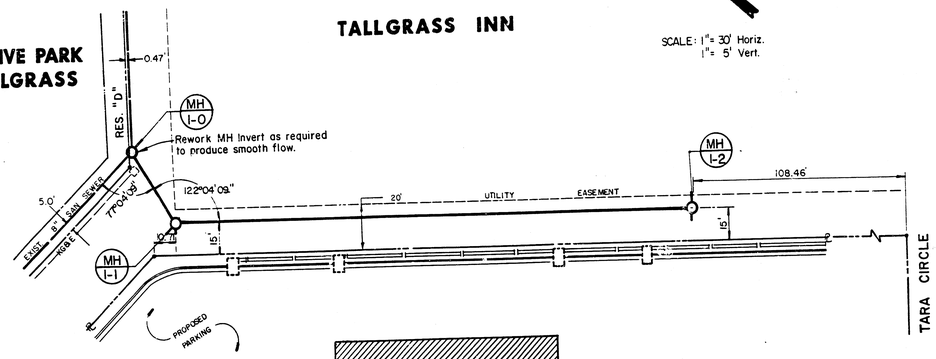
Existing Traffic Light Pin

Existing Traffic Light Wire

LOT 1 BLOCK 1

TALLGRASS INN

EXECUTIVE PARK AT TALLGRASS

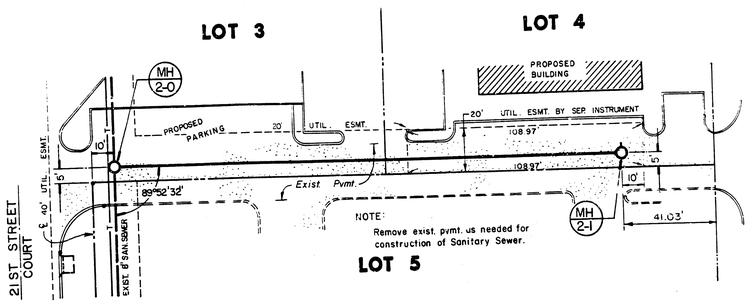


LOT 3 BLOCK 1
TALLGRASS COMMERCIAL THIRD ADDITION

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

N

TALLGRASS COMMERCIAL THIRD ADDITION



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

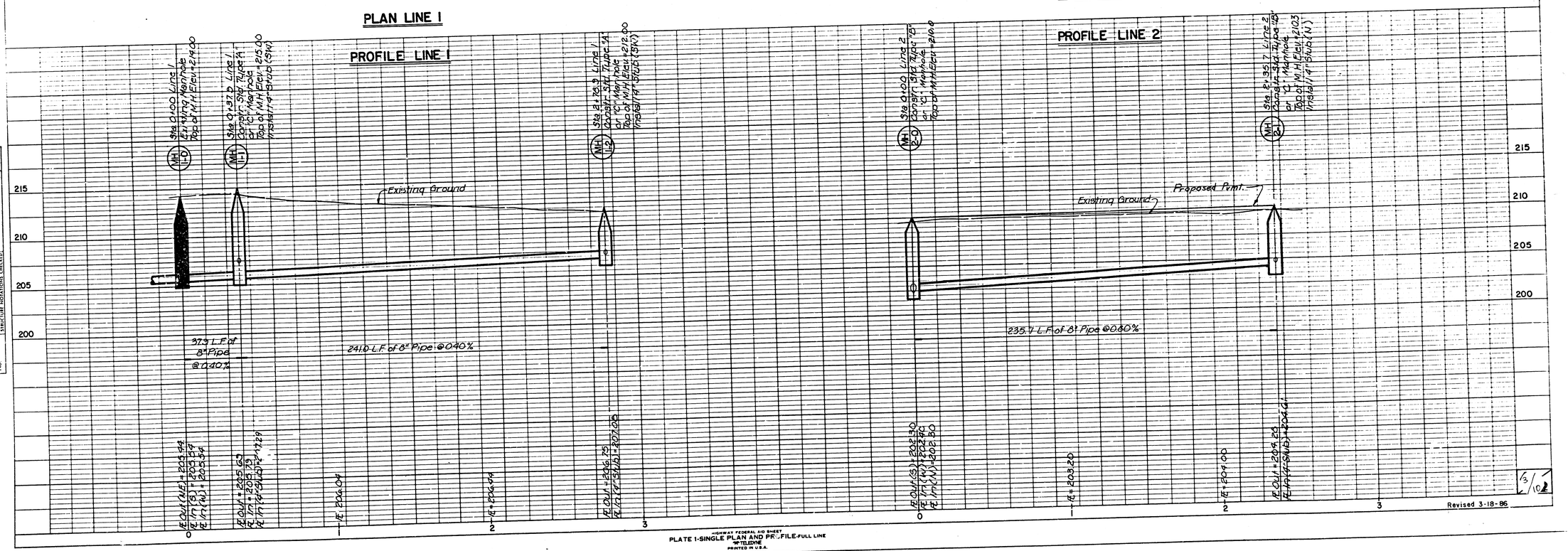
N

PLAN LINE 1

PROFILE LINE 1

PLAN LINE 2

PROFILE LINE 2



Revised 3-18-86

PLAN: SURVEYED, PLOTTED, GRADES CHECKED BY, NOTE BOOK, No., STRUCTURE NOTATIONS CHECKED

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED BY, NOTE BOOK, No., STRUCTURE NOTATIONS CHECKED, DATE, BY

HIGHWAY FEDERAL AID SHEET
PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE
W. TELEDYNE
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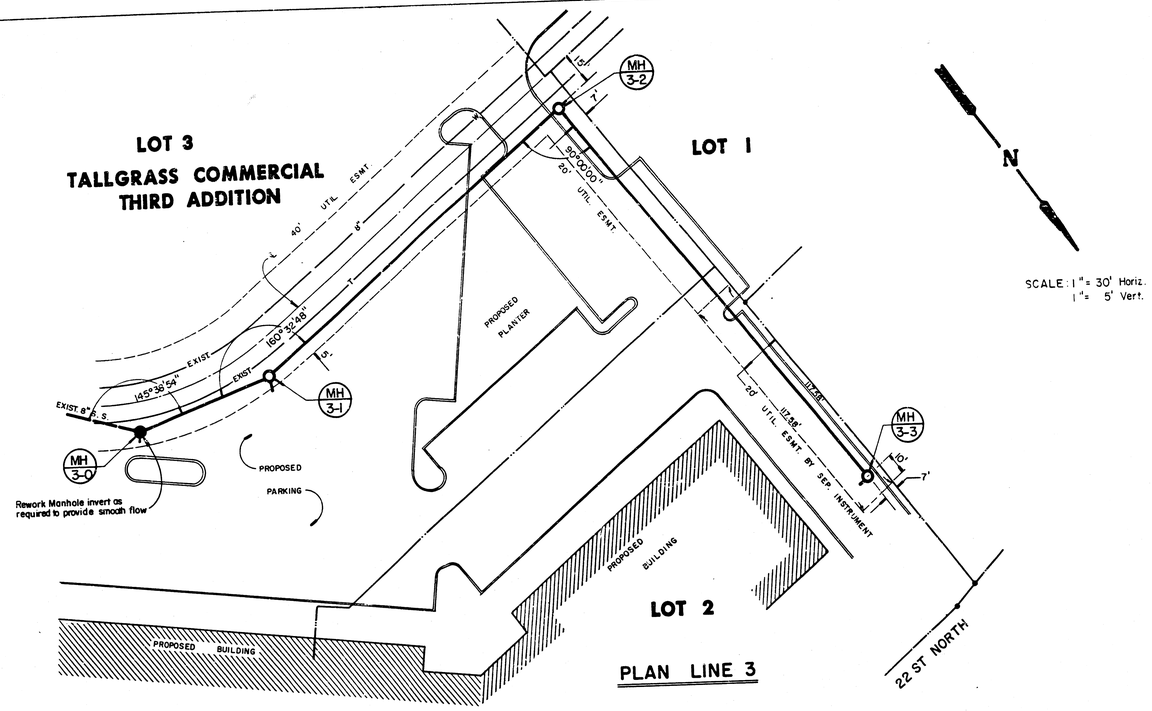

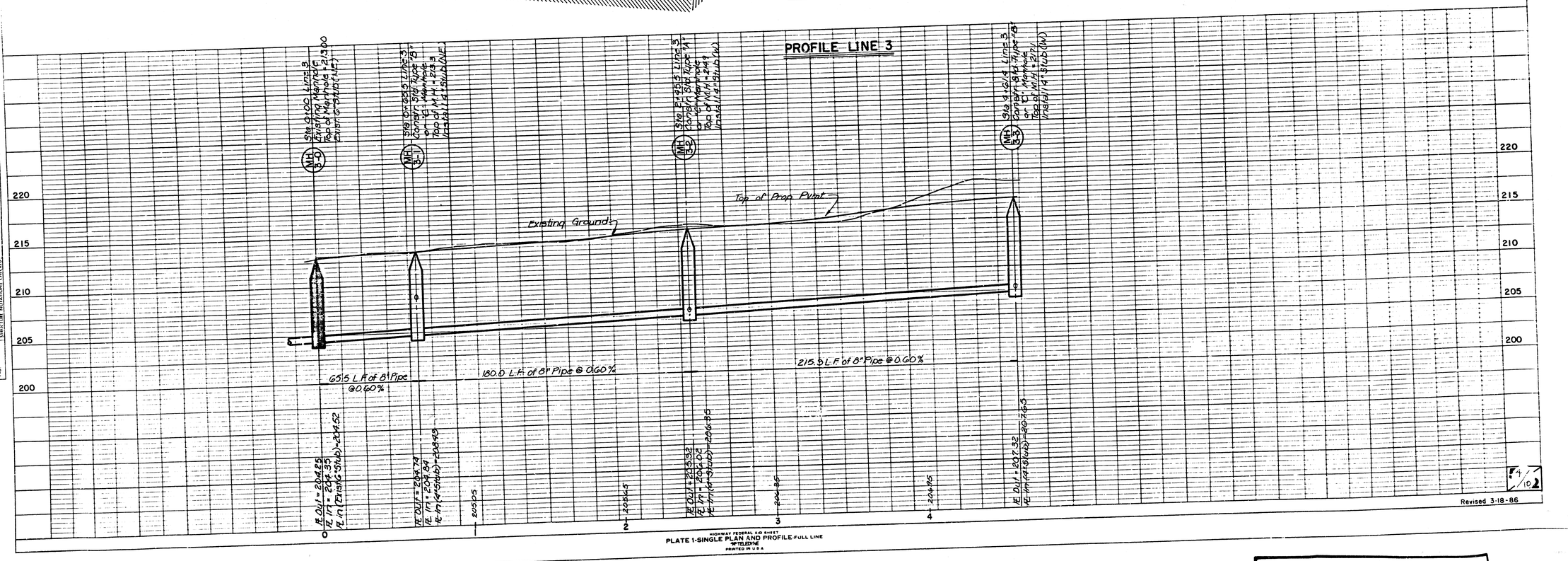

NOTE:

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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.
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PLAN NOTE BOOK No. — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RI OF WAY CHECKED

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HIGHWAY FEDERAL AID SHEET
PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE
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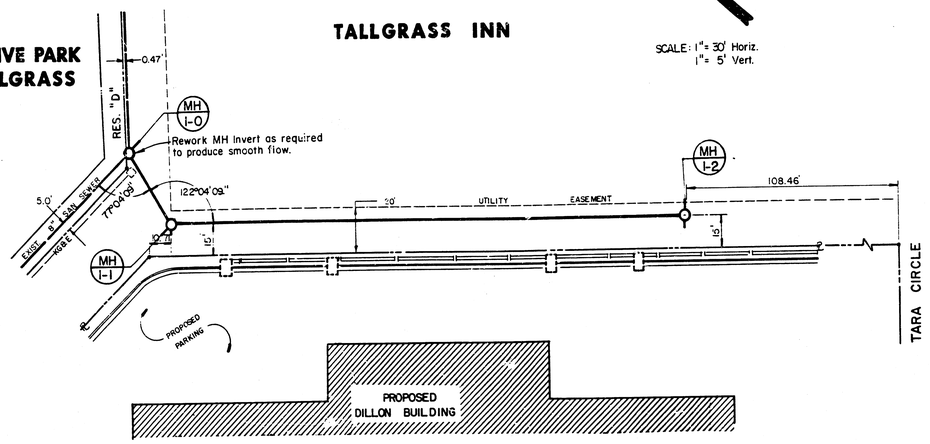
LOT 1 BLOCK 1

TALLGRASS INN

EXECUTIVE PARK AT TALLGRASS

N

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

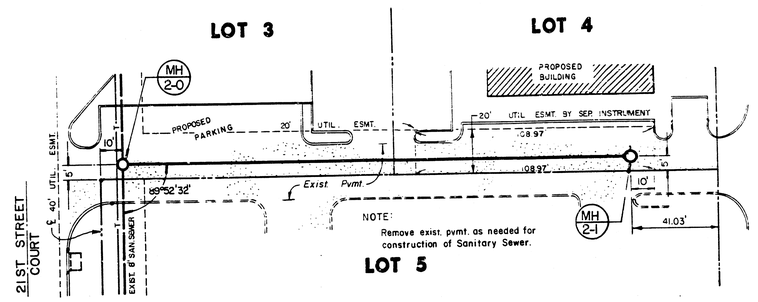


LOT 3 BLOCK 1

TALLGRASS COMMERCIAL THIRD ADDITION

TALLGRASS COMMERCIAL THIRD ADDITION

LOT 3 LOT 4



LOT 5

N

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

LEGEND
A.B.=As Built

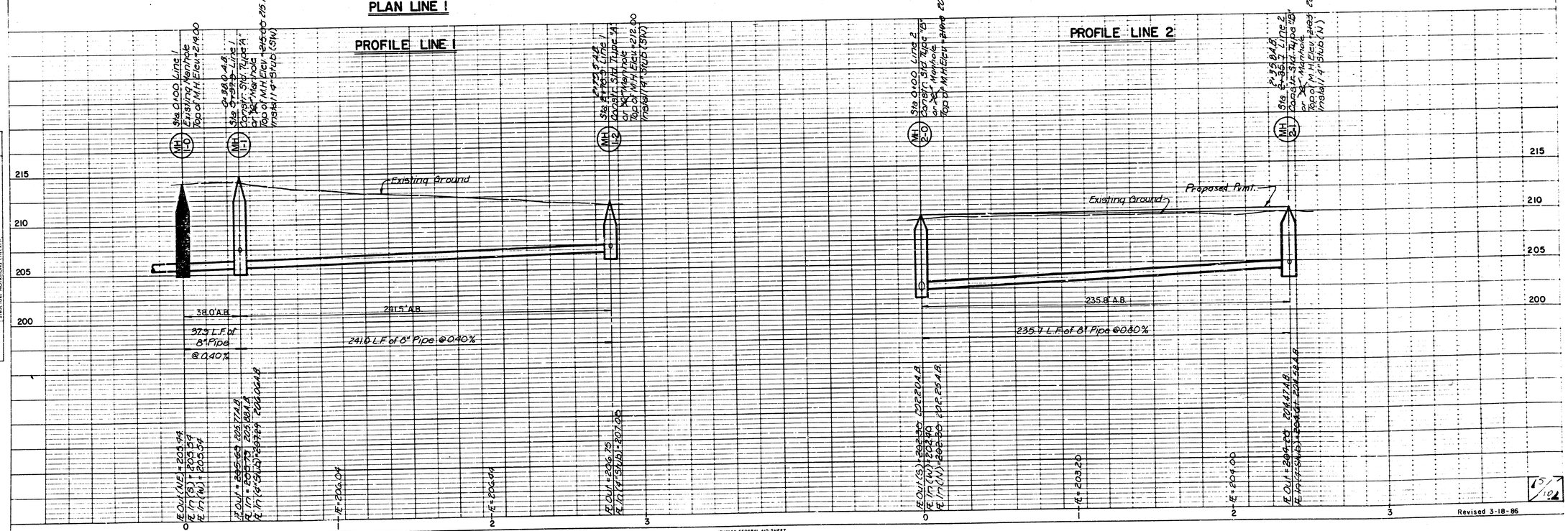
As Built
Feb., 1987

PLAN LINE 1

PROFILE LINE 1

PLAN LINE 2

PROFILE LINE 2



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Revised 3-18-86

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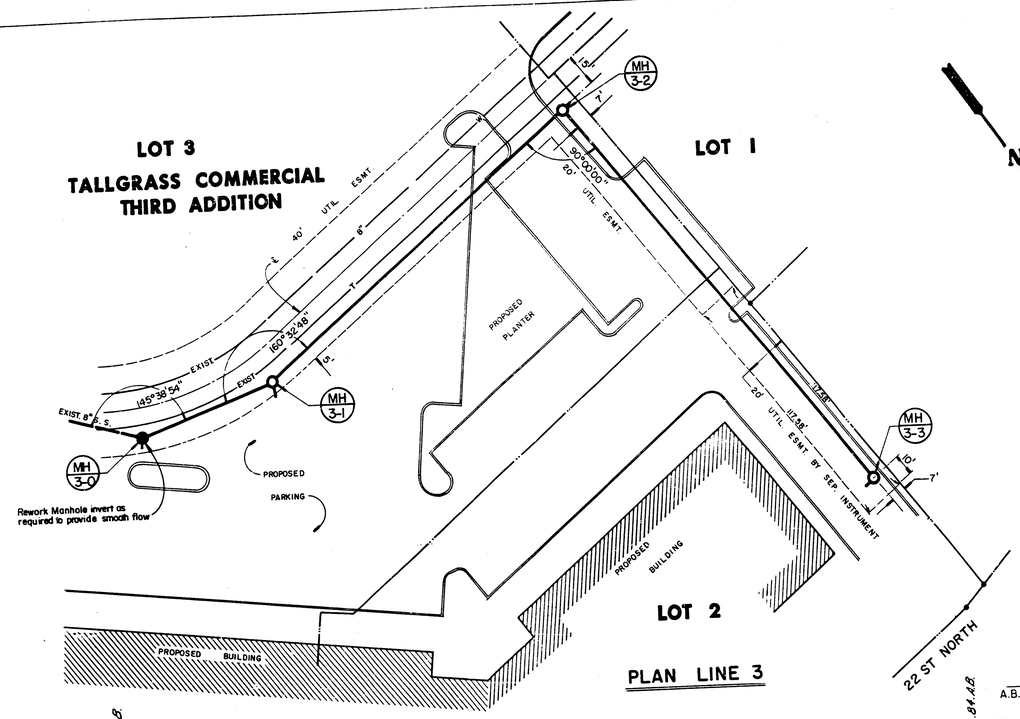

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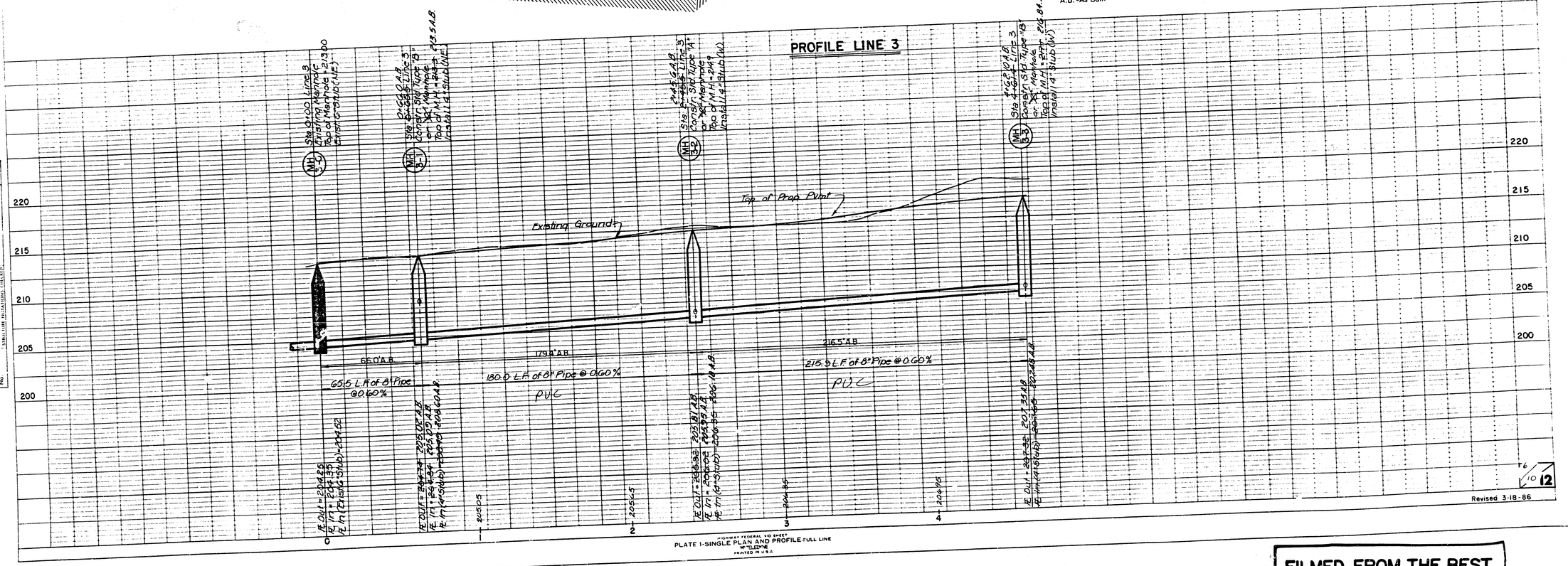
PROFILE — SURVEYED / PLOTTED / NOTE BOOK / CARDS CHECKED / No. / STRUCTURE RELATIONS CHECKED

PLAN LINE 3

PROFILE LINE 3

LEGEND
A.B. = As Built

As Built
Feb., 1987



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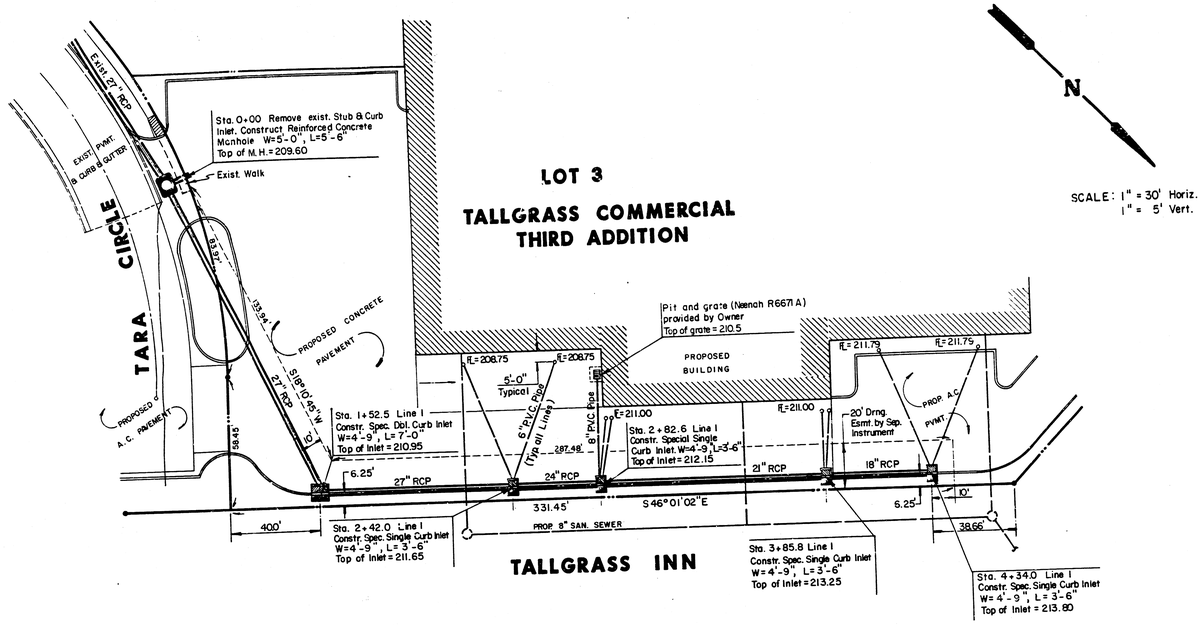

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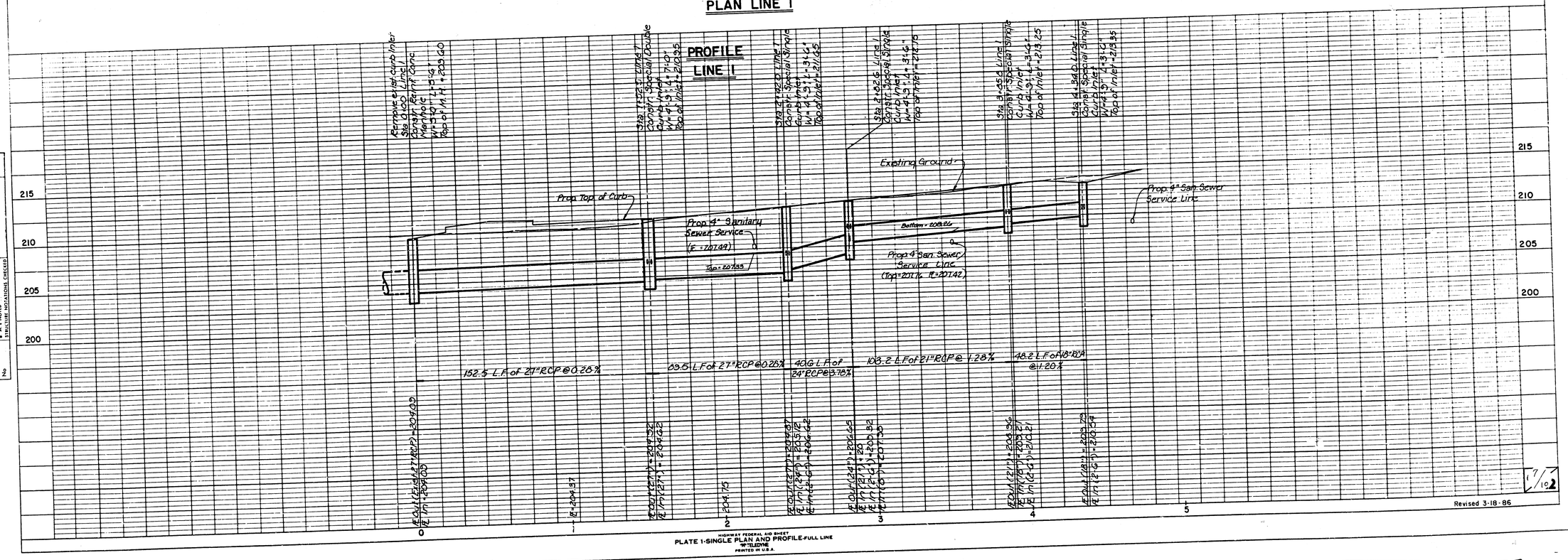
PLAN LINE I



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

BY | DATE

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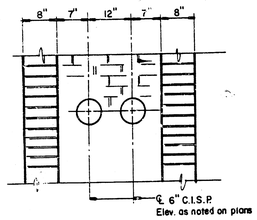
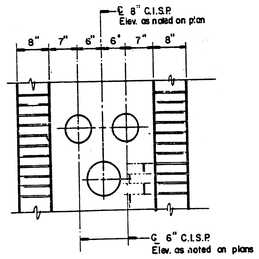


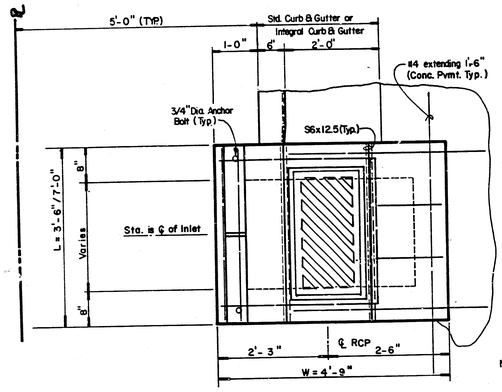
ELEVATION VIEW

Cast Iron Soil Pipe at Inlet (Typ.)



ELEVATION VIEW

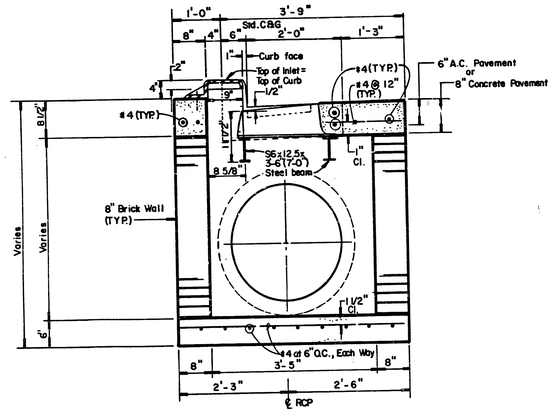
Cast Iron Soil Pipe at Inlet- Sta. 2+83.8



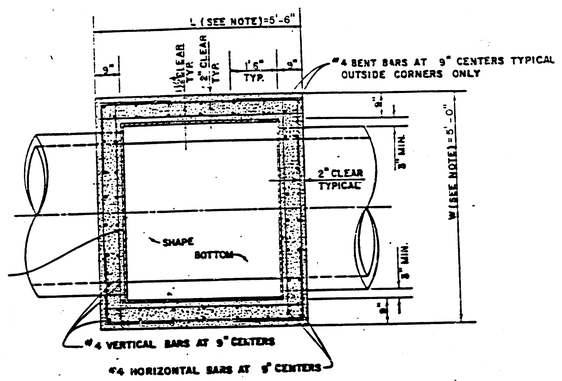
TOP VIEW

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

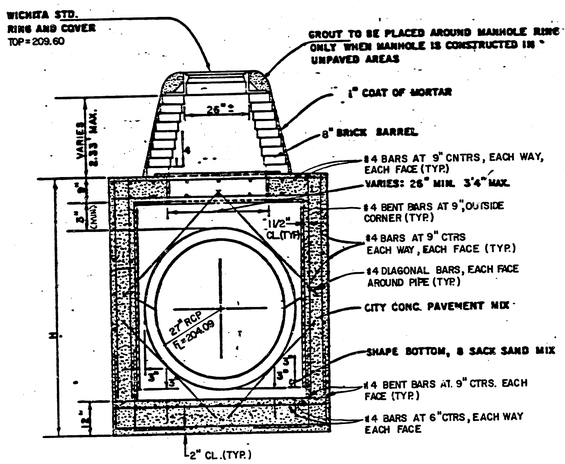
Grout pad under Curb Plate to ensure Top of Inlet Casting = Top of Curb



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.

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

Sheet 8 of 12

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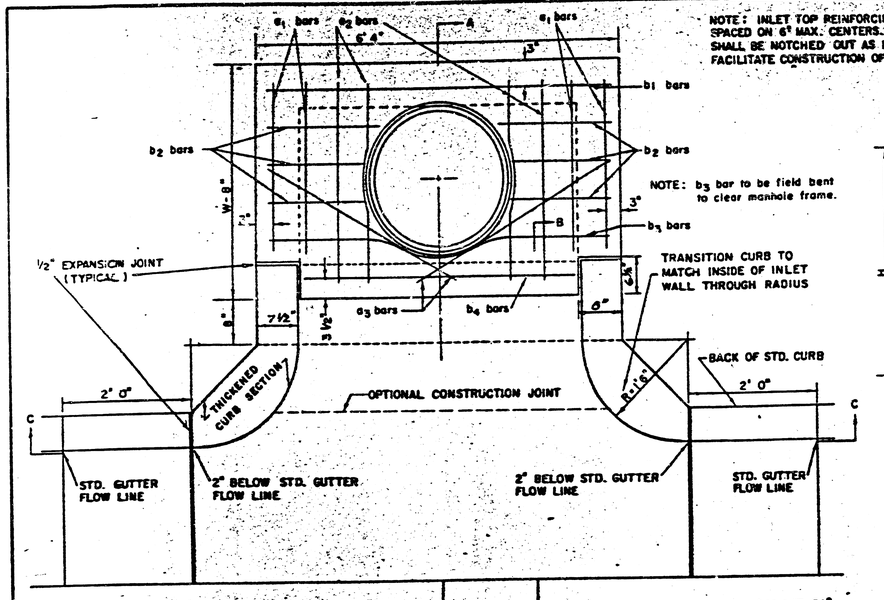
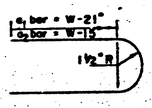


NOTE: EXPANSION JOINT ONLY IN CURB AREA WITH CONC. PAVEMENT.

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



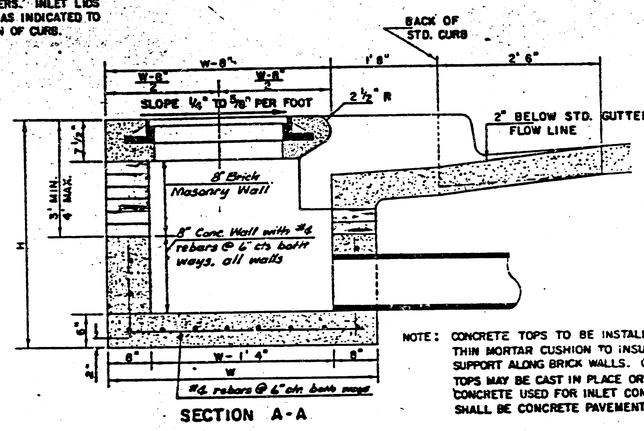
BENDING DIAGRAM

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"	5'1"	6'1"	4'0"	6'1"	–	–	–	–	1'8"	6'2"	4'8"	60±
LENGTH W=5'4"	7'1"	8'1"	5'0"	–	6'1"	–	–	–	1'8"	6'2"	4'8"	81±
LENGTH W=6'4"	9'1"	10'1"	6'0"	–	–	6'1"	–	–	1'8"	6'2"	4'8"	101±
LENGTH W=7'4"	11'1"	12'1"	7'0"	–	–	–	6'1"	–	1'8"	6'2"	4'8"	121±
LENGTH W=8'4"	13'1"	14'1"	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"	5'8"± 6'4" ±7 1/2"	21" & SMALLER	0.38 ±
5' 4"	6'8"± 6'4" ±7 1/2"	24" & 30"	0.51 ±
6' 4"	5'8"± 6'4" ±7 1/2"	36" & 42"	0.64 ±
7' 4"	6'8"± 6'4" ±7 1/2"	48" & 54"	0.77 ±
8' 4"	7'8"± 6'4" ±7 1/2"	60" & 66"	0.90 ±



SECTION A-A

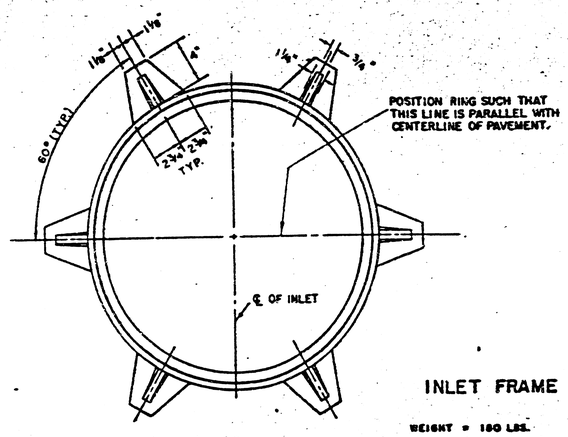
NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE USED FOR INLET CONSTRUCTION SHALL BE CONCRETE PAVEMENT MIX.

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

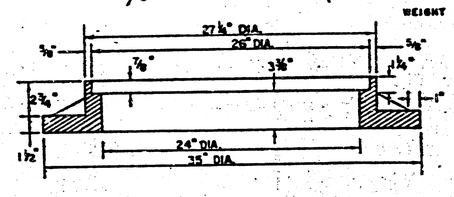
INLET INVERT SHALL BE SHAPED WITH A SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.

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

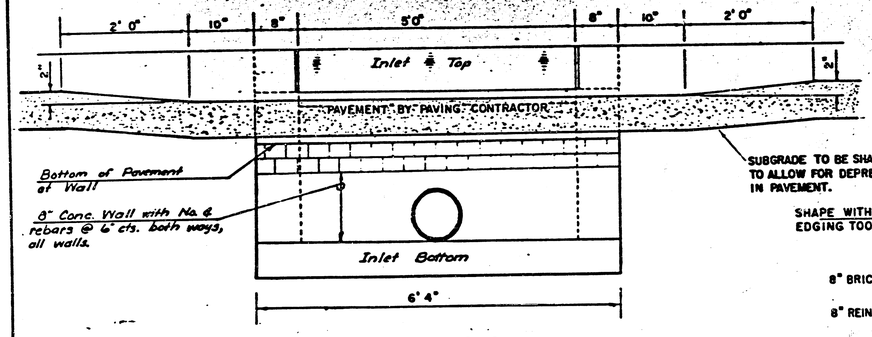


INLET FRAME

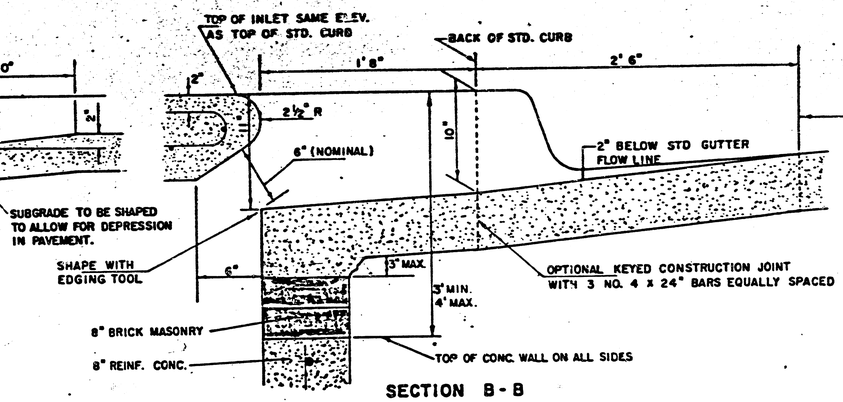
WEIGHT = 180 LBS.



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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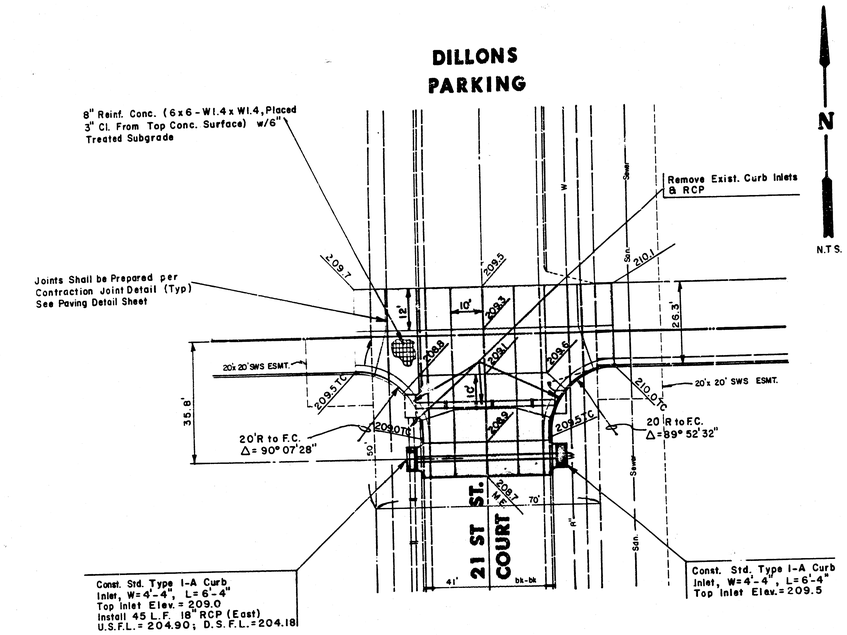
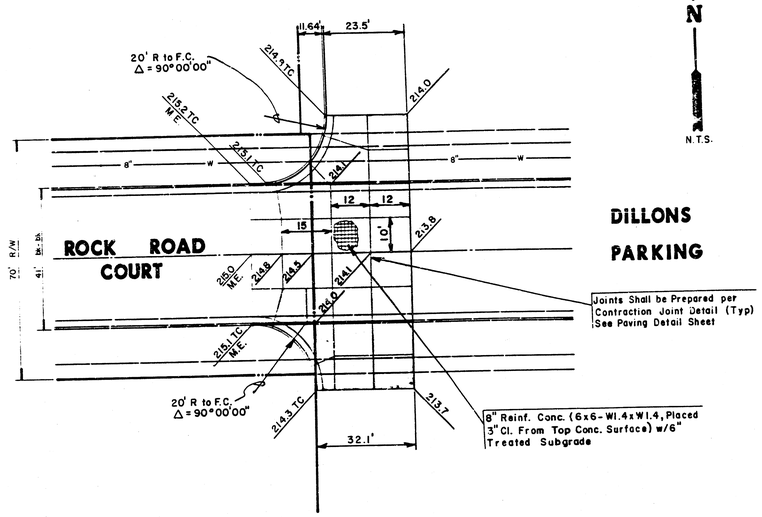
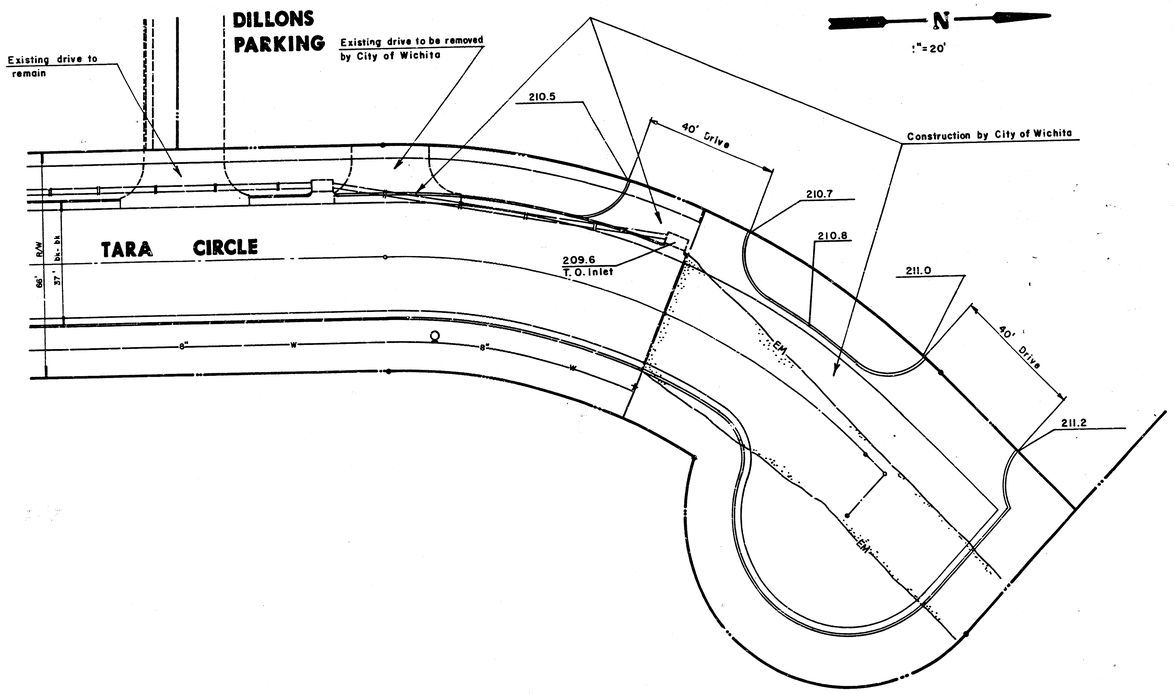


LEGEND

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

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





MK EC	DILLONS AT TALLGRASS INTERSECTION DETAILS	Design KHB Drawn by DPR Checked by KHB Date 2-21-86 Job no.
MID-KANSAS ENGINEERING CONSULTANTS PA 3500 NORTH ROCK ROAD BUILDING 800E WICHITA, KANSAS 67226 (316) 682-5551		Sheet 10 of 12

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