

73915

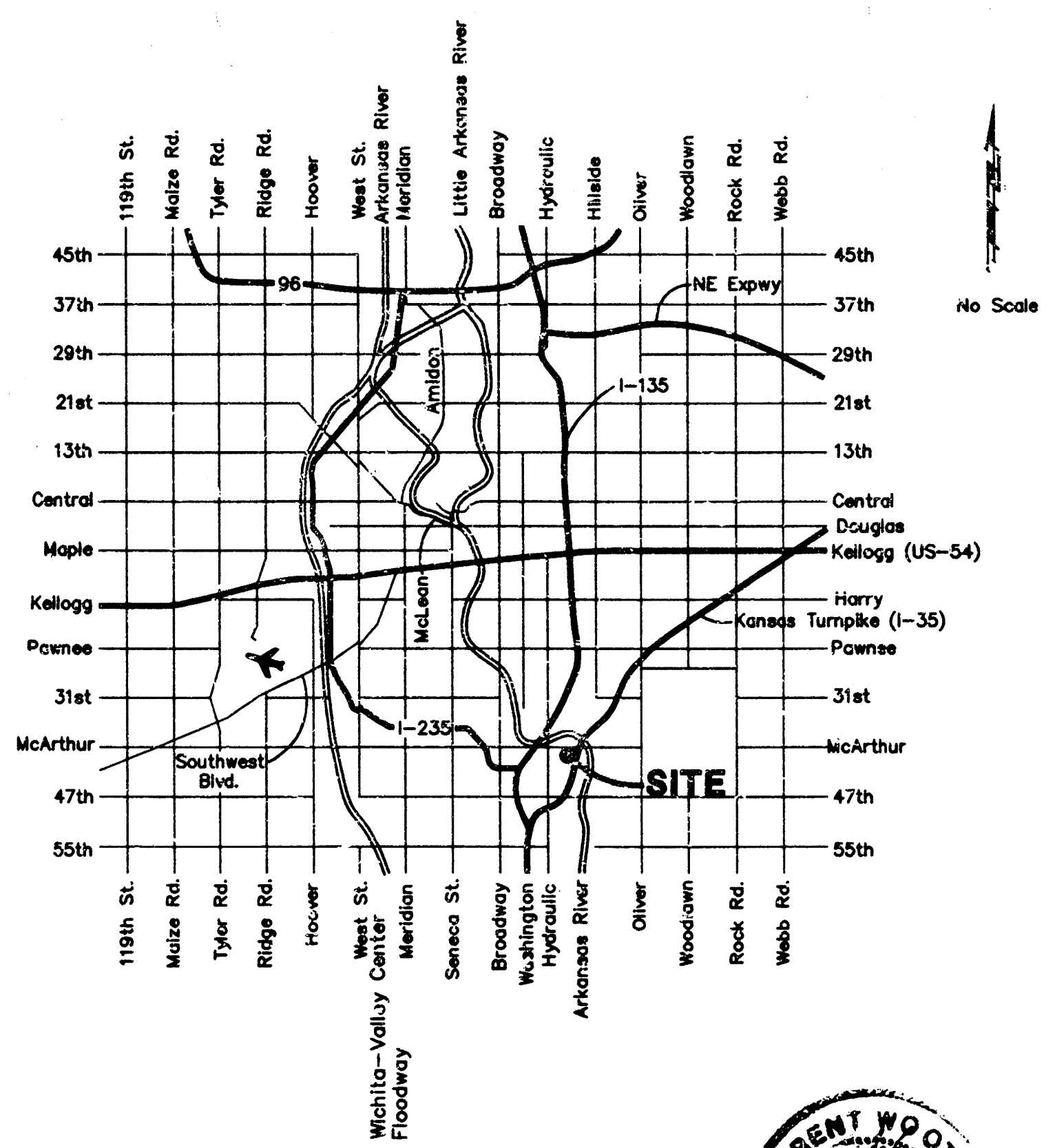
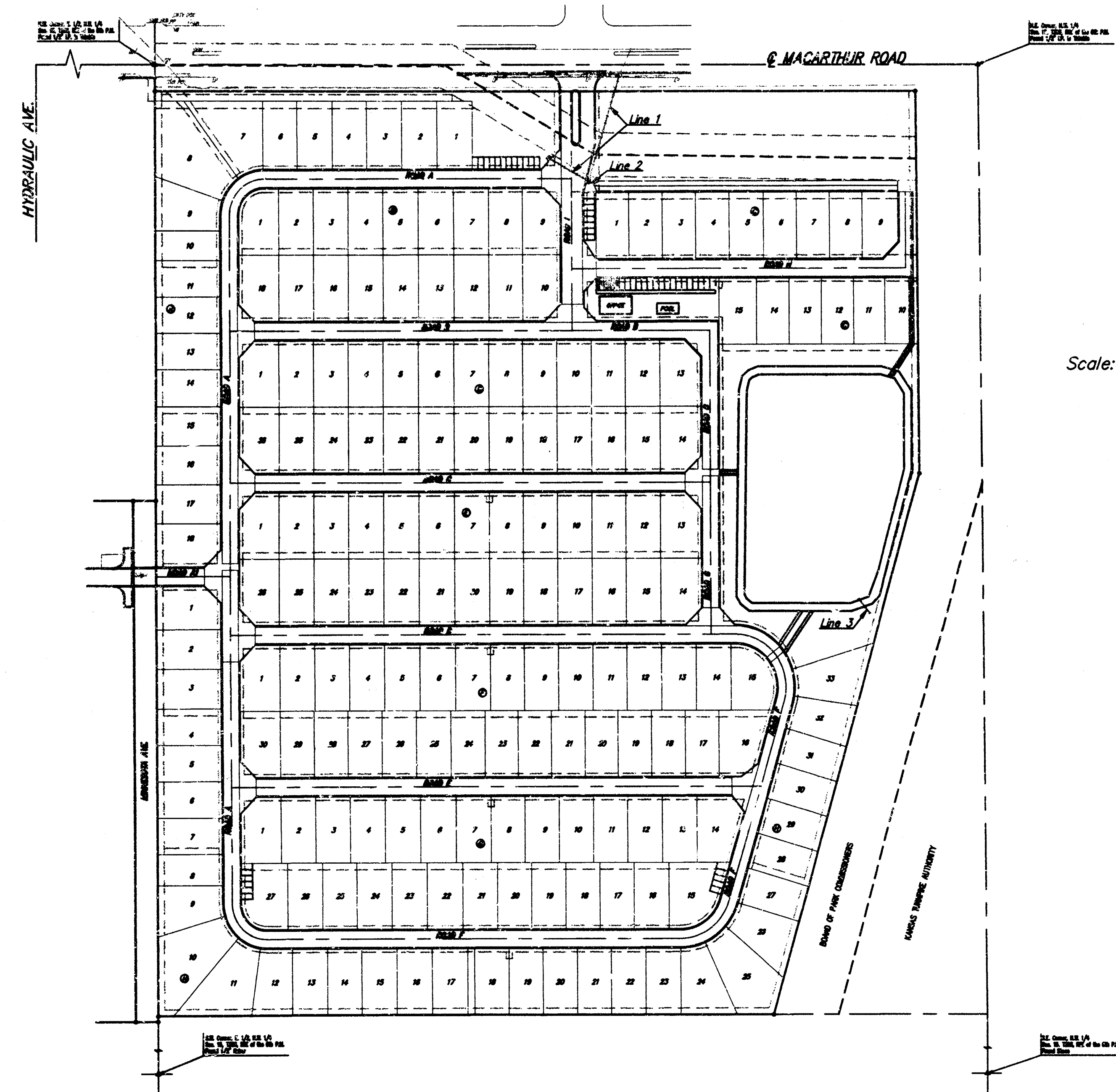
STORM WATER SEWER
to serve
Willowood Estates
Phase 1
CITY OF WICHITA, KANSAS
Michael E. Lindelak, P.E. City Engineer
Project Number
739 PPS
Index Code:
607861

GENERAL NOTES:

- Contractor will be required to provide notice to utility companies a minimum of twenty-four (24) hours prior to any excavation, as follows:
Kansas One-Call 687-2470
The Contractor must notify the following in case of an emergency:
Cablevision 262-4270
or
K.P.L. Gas Service Company 263-2061
Kansas Gas & Electric Company 263-7511
Peoples Nat. Gas Company 264-1141
Southwestern Bell Telephone Company 942-8350
City of Wichita Water Department 1-571-2611
City of Wichita Sewer Maintenance 268-4908
268-4071
- Utility service lines, poles, valve boxes, meters, and etcetera 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.
- Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites 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.
- 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.
- The Contractor shall notify pipeline companies at least 24 hours in advance of any work being performed across and/or adjacent to pipelines.

Sheet Index

Title Sheet	1
Storm Water Sewer - Lines 1 & 2	2
Storm Water Sewer - V-Ditch	3
Storm Water Sewer - Line 3	4
Single Type 1A Inlet Detail	5
Ring & Cover Detail	6
Willowood Estates Plat	7



BOOKED
9-4-98
MCG
D-003

Benchmarks

This '□' on E. @ of Sanitary Sewer MH,
East Side of Emery Park Road, 235 feet
South of MacArthur Road.
Elev. = 85.46 City Datum

This '□' on E. @ of Sanitary Sewer MH,
West Side of Emery Park Road, 1245 feet
South of MacArthur Road.
Elev. = 84.22 City Datum



APPROVED AS SHOWN
BY CITY ENGINEER OF WICHITA
Storm Sewer VRH 9/6/97

NOTE TO CONTRACTORS
Inspection and testing for this project is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Engineer. Soil inspection is to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional Engineer. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection and approval as shall be commenced without written authorization by the City Engineer. All construction and materials shall comply with the City of Wichita Specifications and Standards (on file and available in the City Engineer's Office).

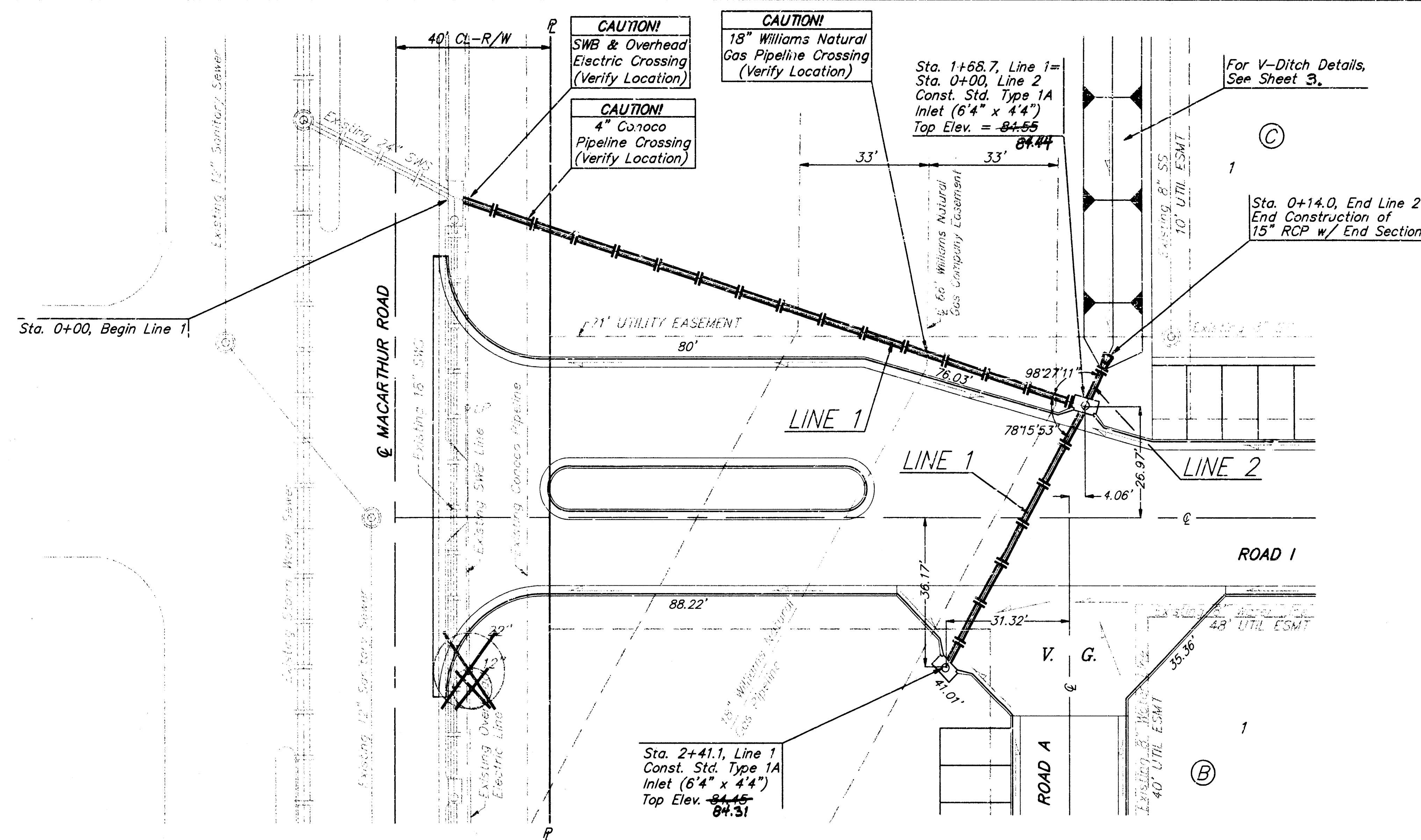
PROJECT INSPECTED BY: BAUGHMAN CO. P.A.
DATE: 12/19/97

BAUGHMAN COMPANY P. A.
ENGINEERING & SURVEYING
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

BENCHMARK:

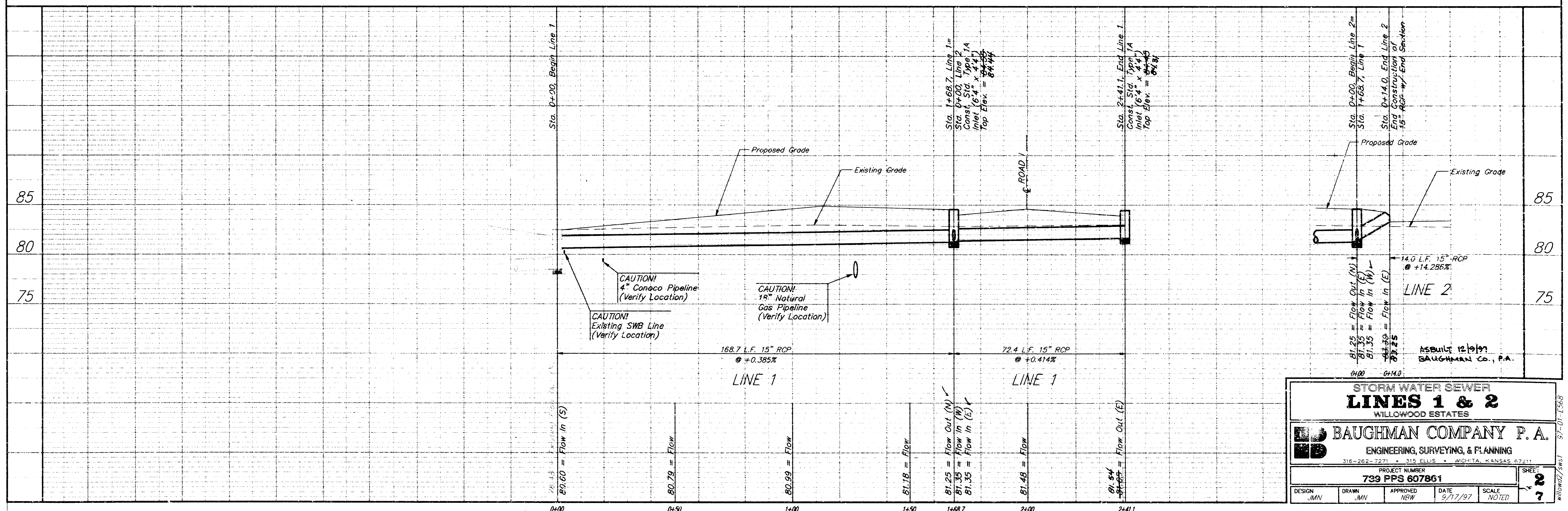
Chis "C" on E. of Sanitary Sewer MH,
East Side of Emery Park Road, 235 feet
South of MacArthur Road.
Elev. = 85.45 City Datum

Chis "D" on E. of Sanitary Sewer MH,
West Side of Emery Park Road, 1245 feet
South of MacArthur Road.
Elev. = 84.22 City Datum



SCALE:
1"=20' Horizontal
1"=5' Vertical
• = Iron

WILLOWOOD
ESTATES



STORM WATER SEWER LINES 1 & 2

WILLOWOOD ESTATES
BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING

PROJECT NUMBER
739 PPS 607861
DESIGN JMN
DRAWN JMN
APPROVED NEW
DATE 9/17/97
SCALE NOTED

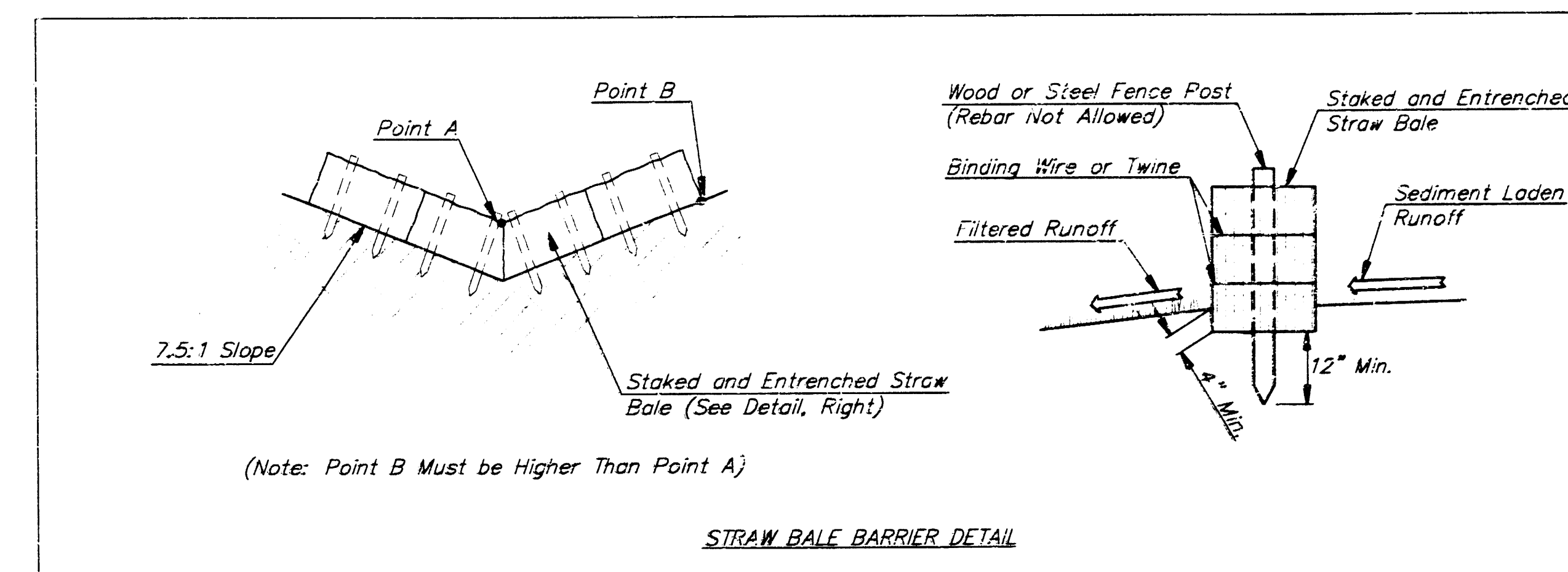
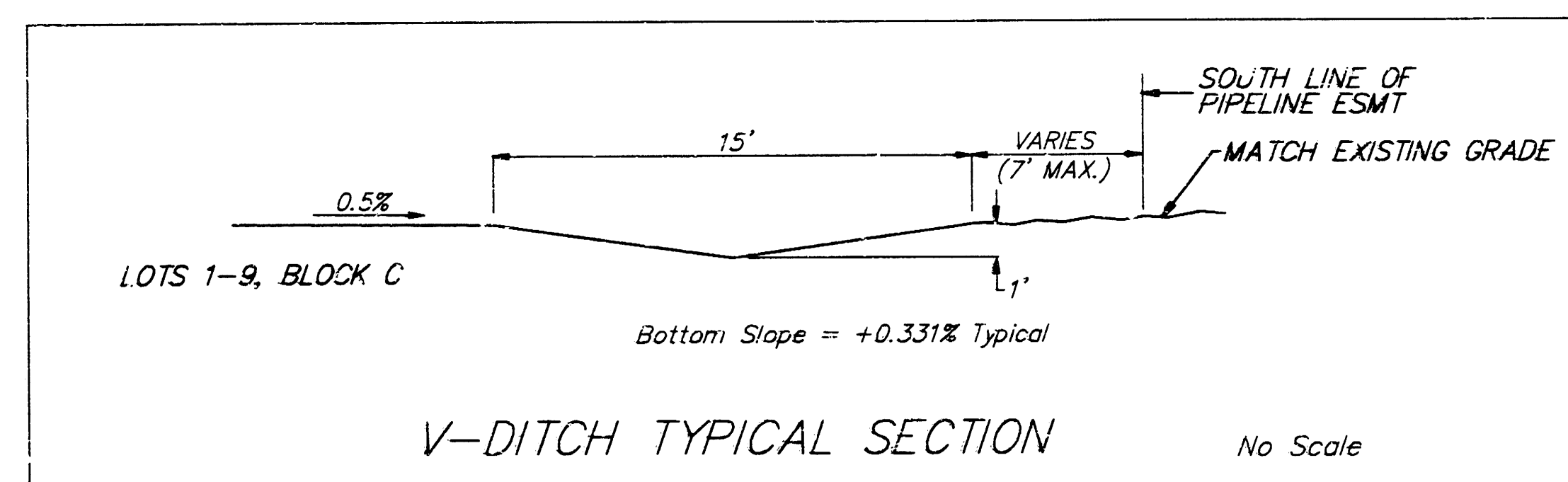
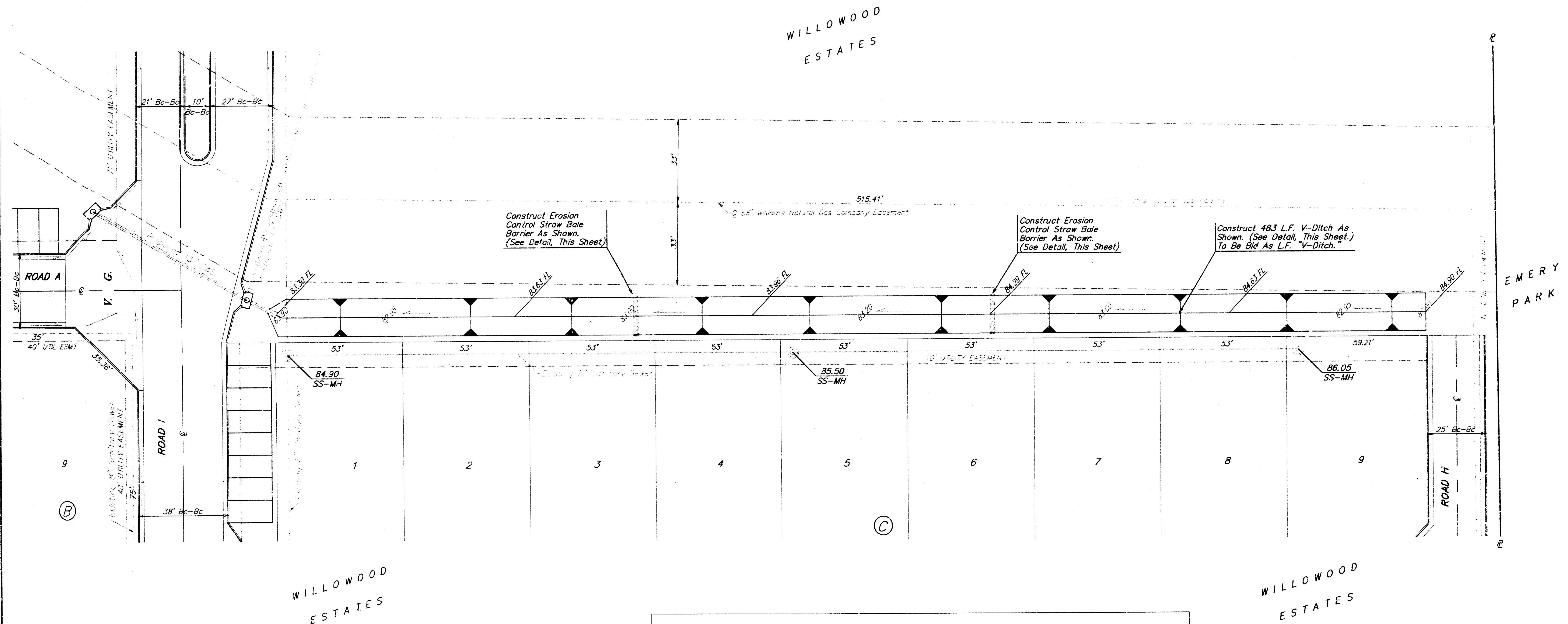
SHEET
2
7

BENCHMARK:

Chis '□' on E. C. of Sanitary Sewer MH,
East Side of Emery Park Road, 235 feet
South of MacArthur Road.
Elev. = 85.46 City Datum

Chis '□' on E. C. of Sanitary Sewer MH,
West Side of Emery Park Road, 1245 feet
South of MacArthur Road.
Elev. = 84.22 City Datum

SCALE:
1"=20'
• = Iron



STORM WATER SEWER			
V-DITCH			
WILLOWOOD ESTATES			
BAUGHMAN COMPANY P. A.			
ENGINEERING, SURVEYING, & PLANNING			
315-202-7271 • 315-215-1111 • WICHITA, KANSAS 67211			
PROJECT NUMBER			
739 PPS 607861			
DESIGN	DRAWN	APPROVED	DATE
JMN	JMN	NEW	9/17/97
SCALE			NOTED
3			7

BENCHMARK

Chis '□' on E. @ of Sanitary Sewer MH,
East Side of Emery Park Road, 235 feet
South of MacArthur Road.
Elev. = 85.46 City Datum

Chis '□' on E. @ of Sanitar, Sewer MH,
West Side of Emery Park Road, 1245 feet
South of MacArthur Road.
Elev. = 84.22 City Datum



SCALE
1"=20'
• = Iron

WILLOWOOD
ESTATES

DETENTION POND

BOARD OF PARK COMMISSIONERS

100'

209.62'

226.13'

81.70 FL

43.35'

LINE 3

Construct 30 L.F.
15" Reint. Conc. Pipe
w/ End Sections

Install E.S.Y. of
Light Stone RipRap
As Shown.

Grade Ditch as
Necessary to Drain

18.26'

81.50 FL

81.16

81.11

99.15'

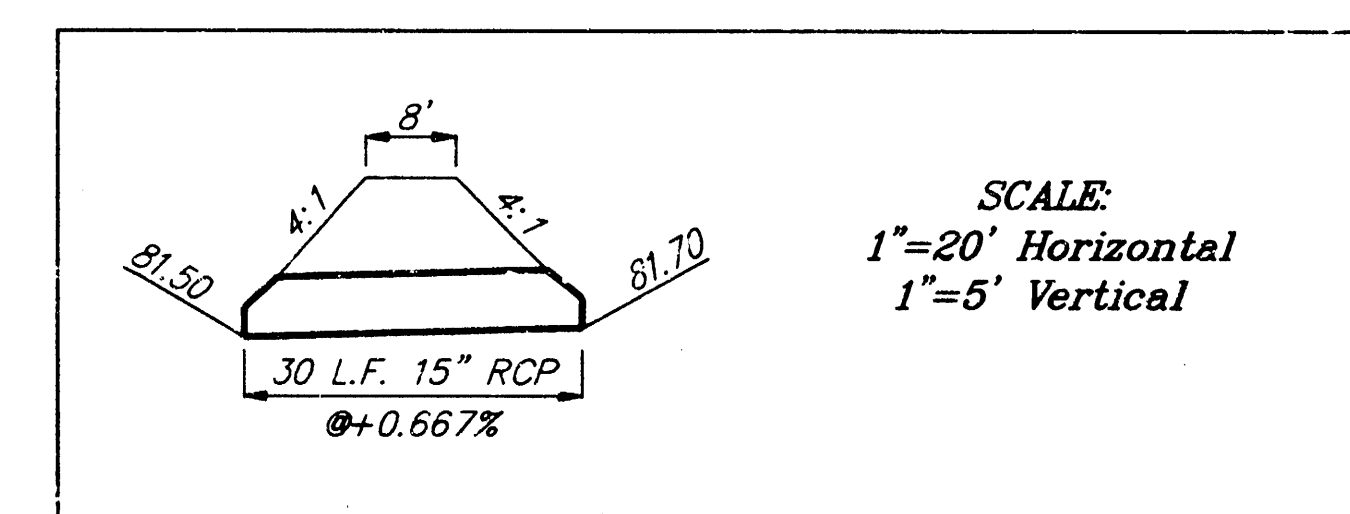
100'

KANSAS TURNPIKE AUTHORITY

32

33

(H)



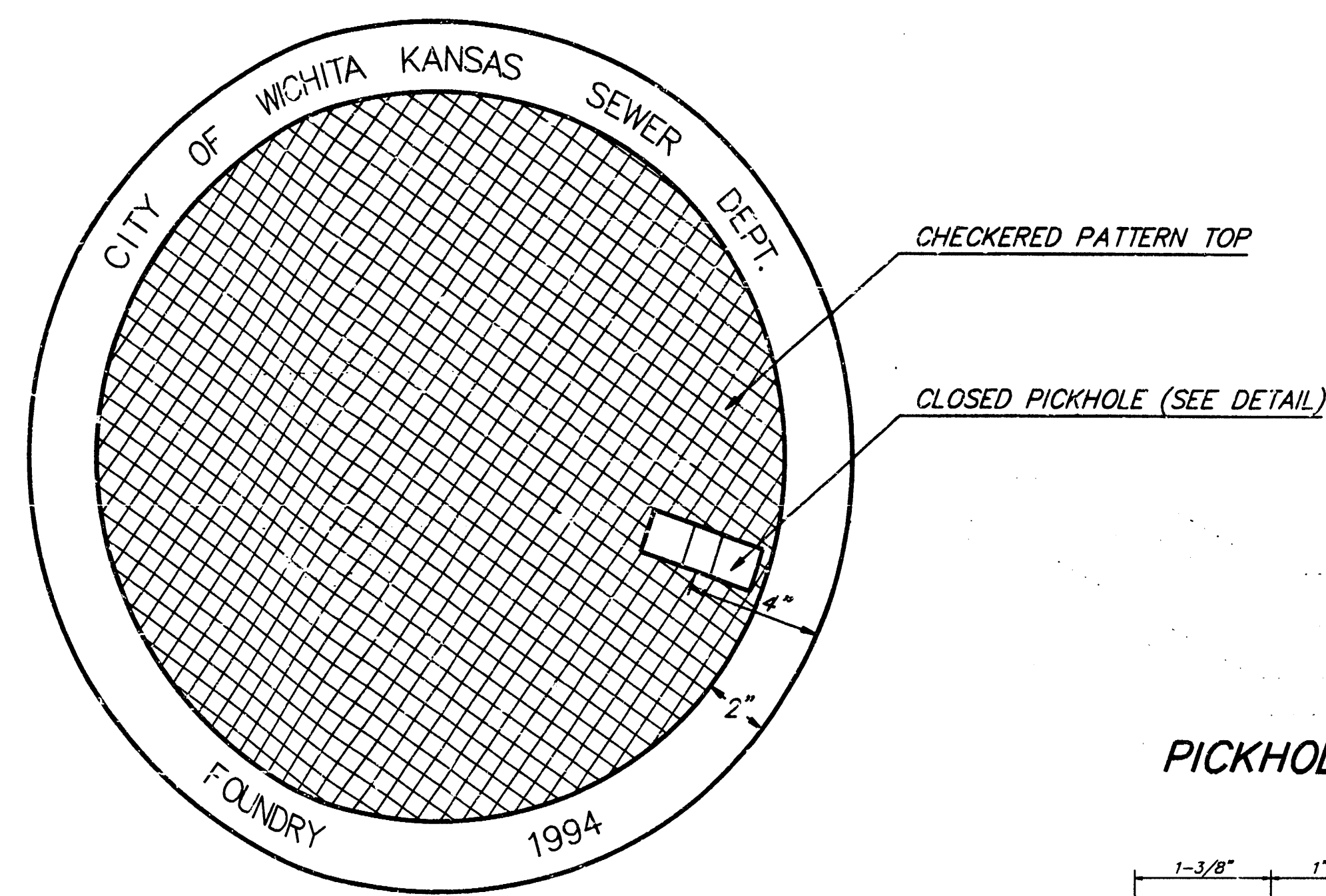
Contractor shall provide a
minimum cover of 2 feet
over the proposed 15" RCP.

STORM WATER SEWER					
LINE 3					
WILLOWOOD ESTATES					
BAUGHMAN COMPANY P.A.					
ENGINEERING, SURVEYING, & PLANNING					
315-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211					
PROJECT NUMBER					
739 PPS 007861					
DESIGN	DRAWN	APPROVED	DATE	SCALE	SHEET
BAH	JMN	NBW	9/17/97	NOTED	4
					7

MANHOLE COVER
Weight = 180 Lbs.

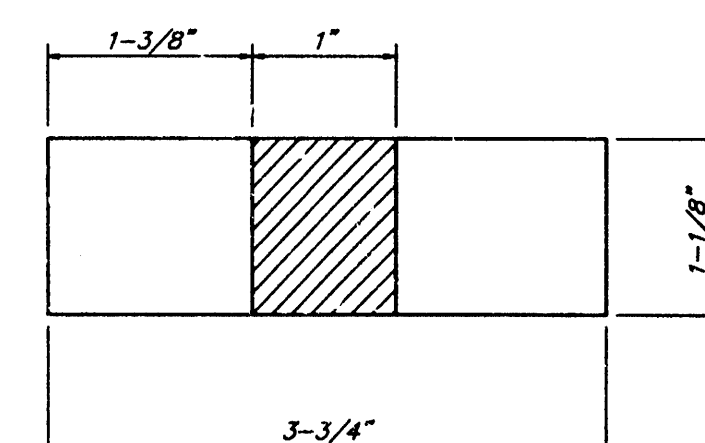
MANHOLE FRAME AND COVER DETAIL

ADOPTED AS STANDARD DESIGN BY
CITY OF WICHITA, KANSAS

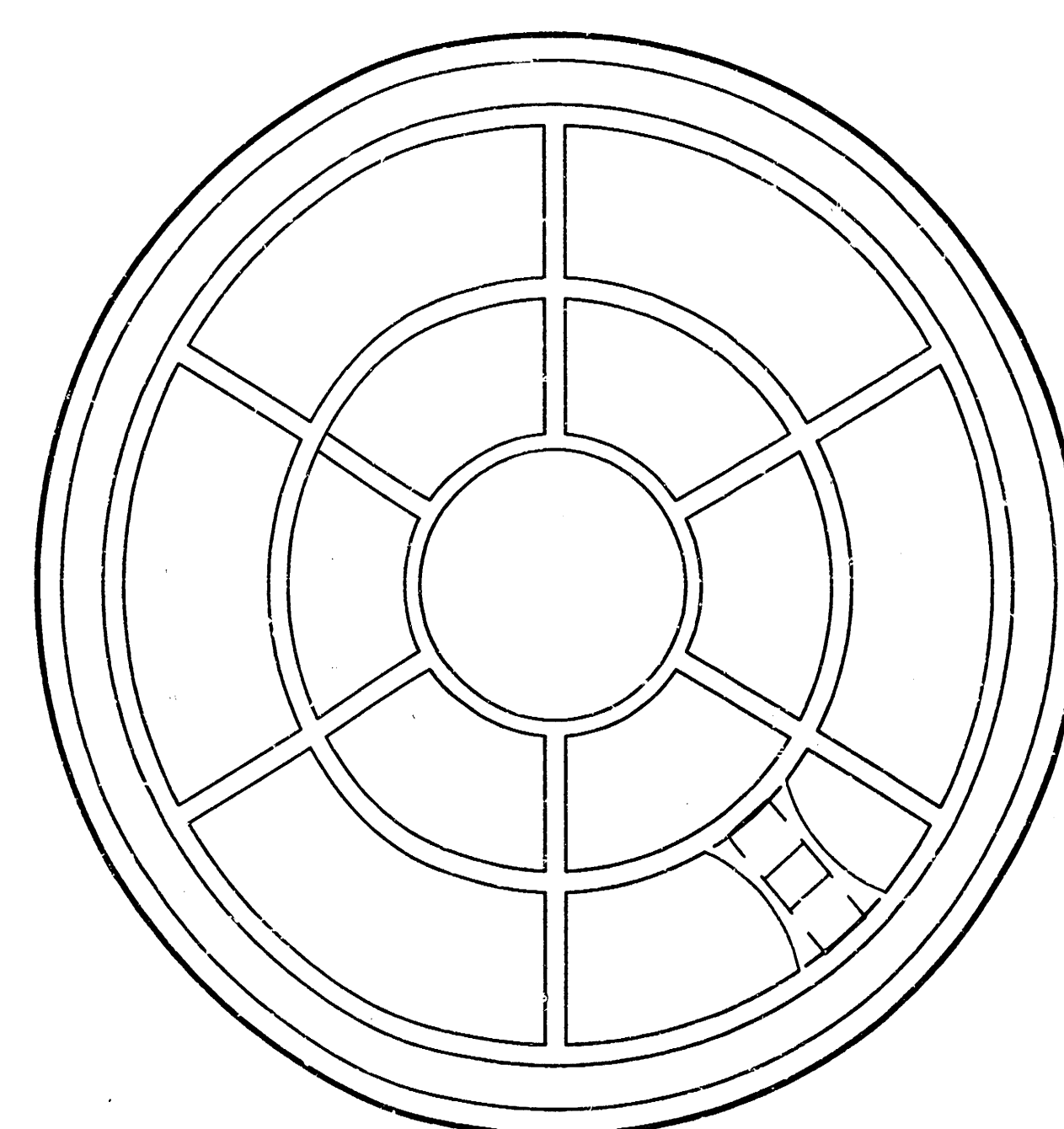


TOP VIEW

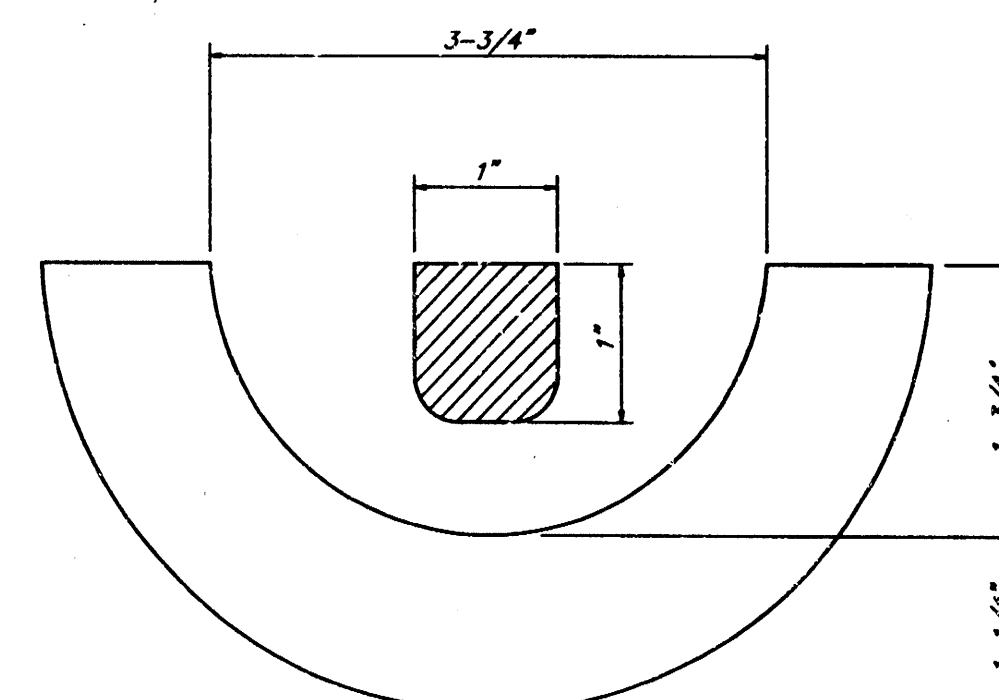
PICKHOLE DETAIL



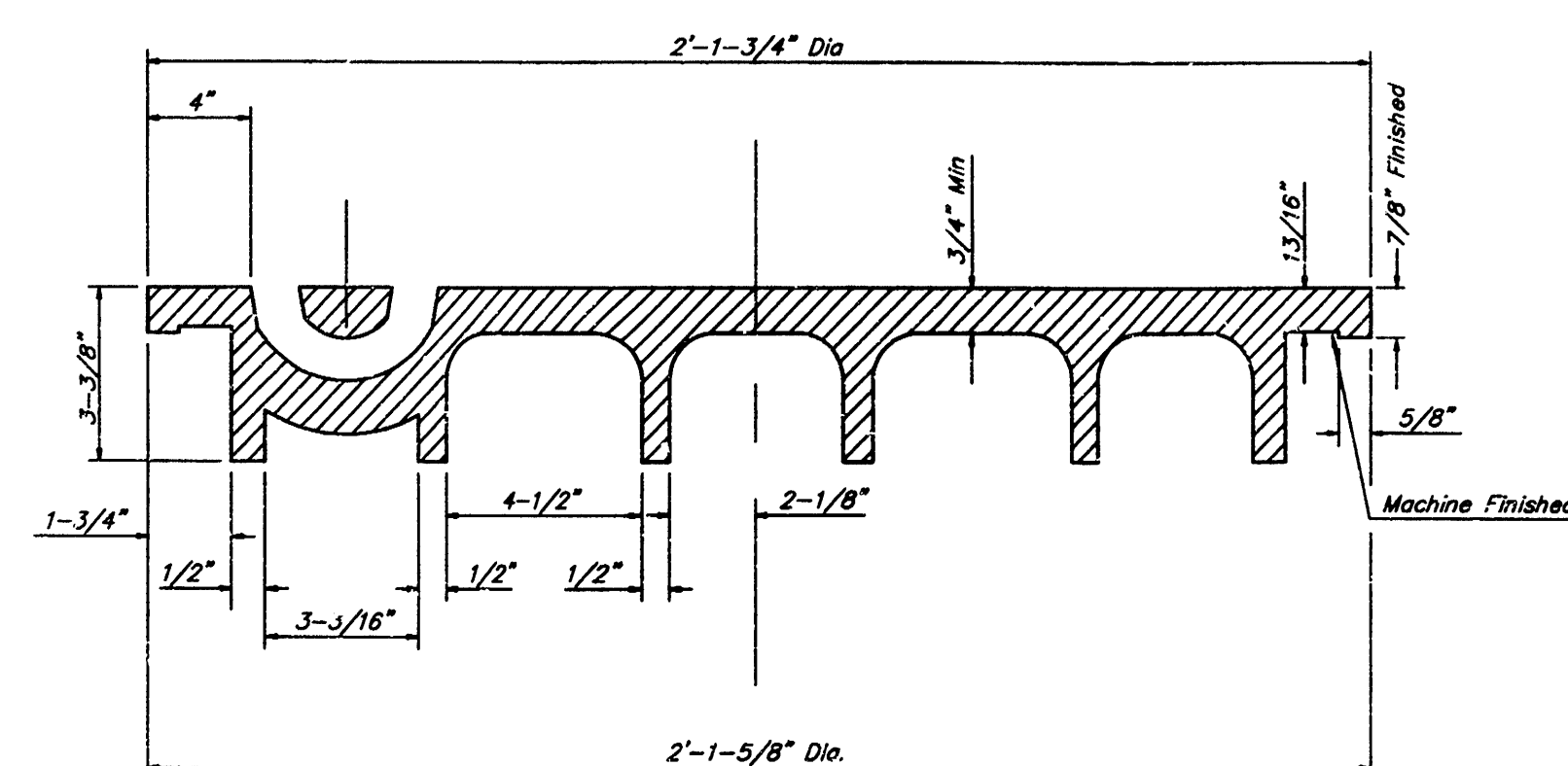
TOP VIEW



BOTTOM VIEW

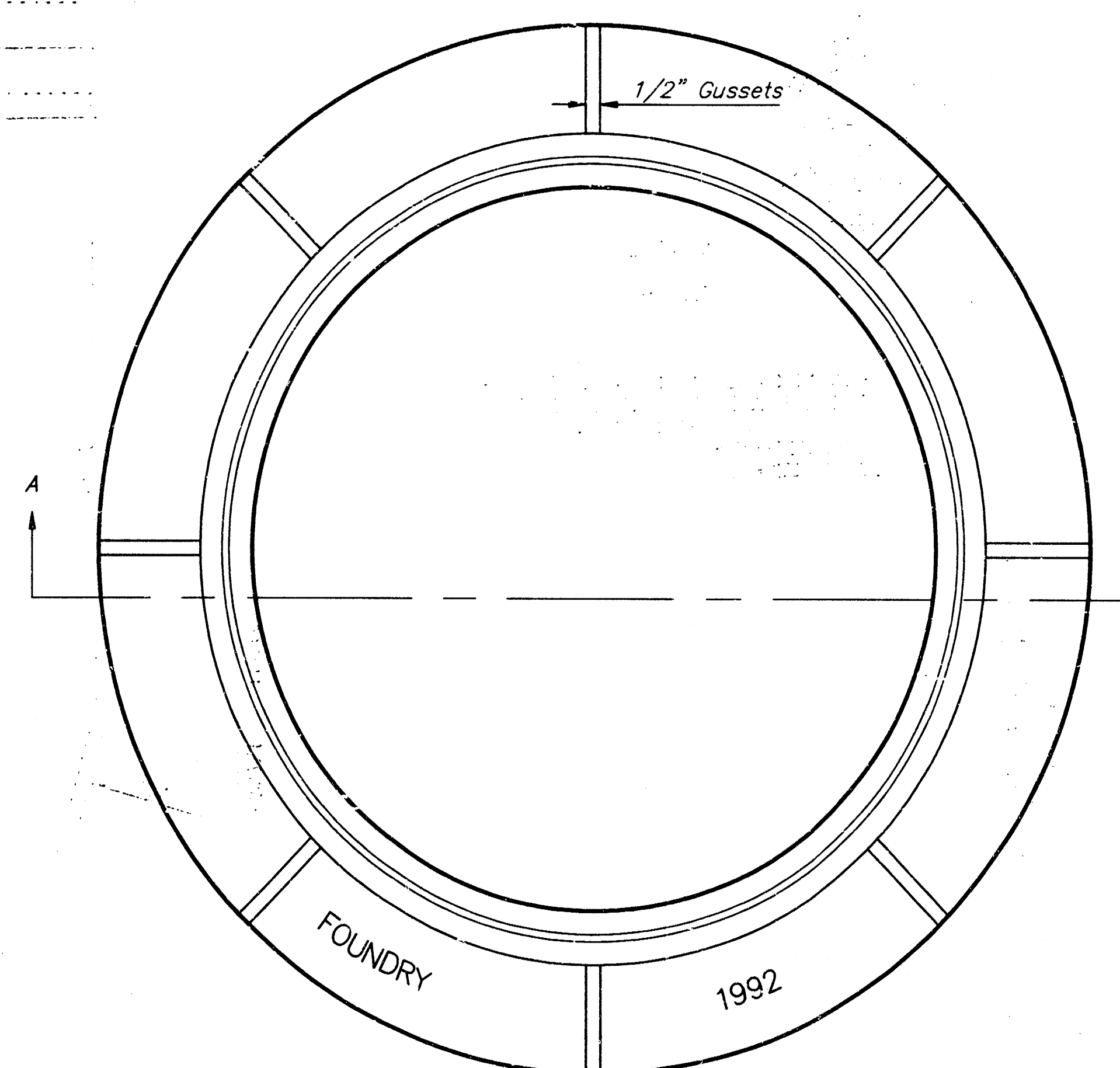


SECTION VIEW

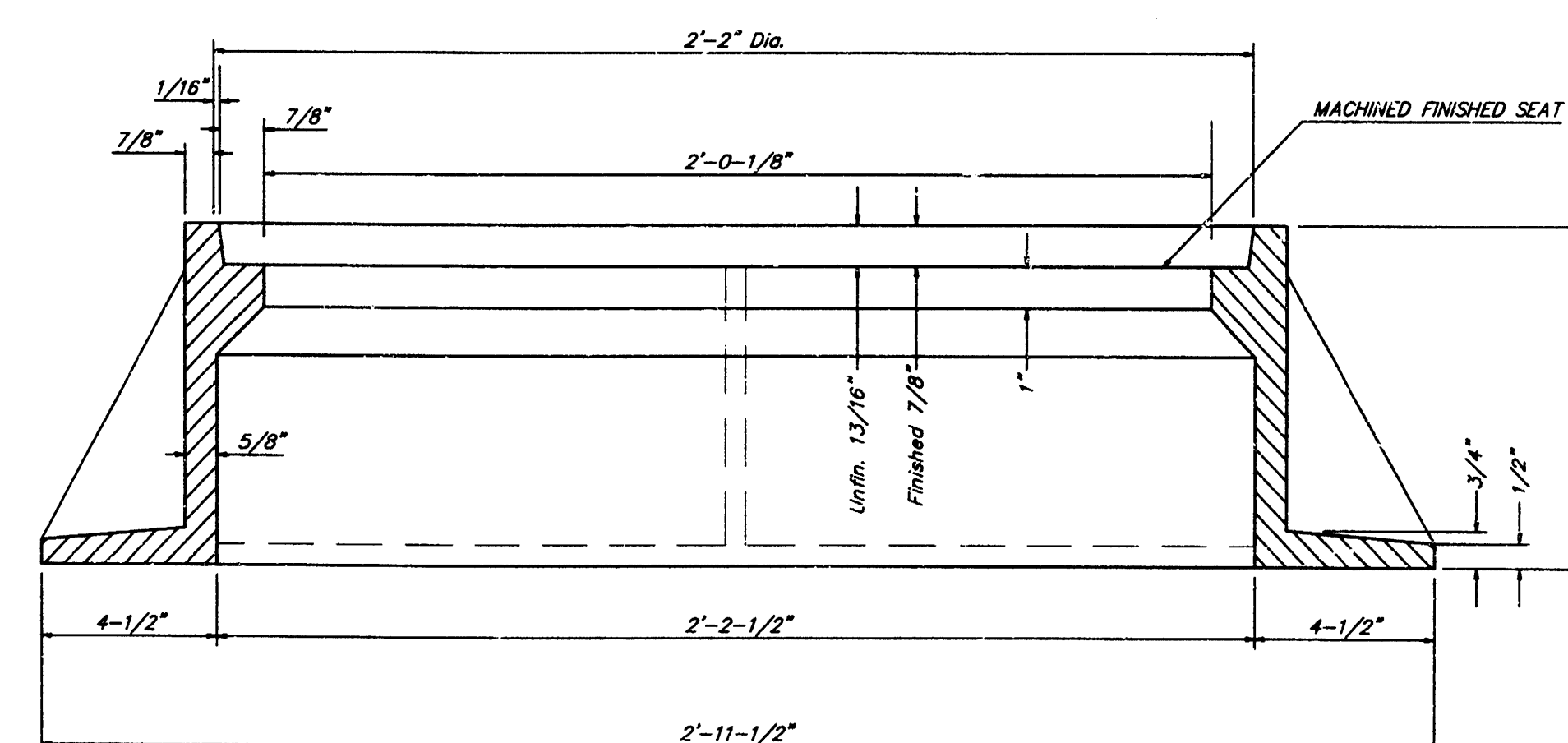


SECTION VIEW

MANHOLE FRAME
Weight = 240 Lbs.



TOP VIEW



SECTION A-A

GENERAL NOTES

MANHOLE CASTINGS SHALL BE MANUFACTURED USING GOOD QUALITY GRAY IRON CONFORMING TO CLASS 30 OF A.S.T.M. DESIGNATION A-48. DIMENSIONS AND WEIGHTS SHOWN ON THE DETAILED DRAWINGS SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS AND ANY DEVIATIONS FROM THE DIMENSIONS SHOWN MUST BE SPECIFICALLY APPROVED. THE FINISHED CASTINGS SHALL BE OF UNIFORM QUALITY, FREE FROM BLOWHOLES, POROSITY, HARD SPOTS, SHRINKAGE DISTORTIONS OR OTHER DEFECTS.

MANHOLE CASTINGS SHALL BE COATED WITH AN ASPHALT PAINT RESULTING IN A SMOOTH, TOUGH AND TENACIOUS COATING WHICH IS NOT BRITTLE OR TACKY.

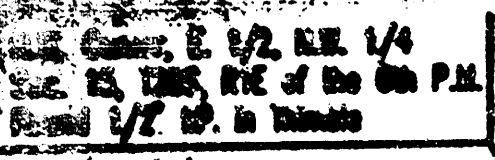
MANHOLE CASTINGS SHALL BE MANUFACTURED SUCH THAT A COVER MANUFACTURED BY ANY ONE FOUNDRY WILL FIT INTERCHANGEABLY INTO A FRAME MANUFACTURED BY ANOTHER FOUNDRY AND STILL MEET ALLOWABLE CLEARANCES AND NON-ROCKING REQUIREMENTS. THIS WILL REQUIRE MANUFACTURING OF THE MATCHING FACES ON THE COVER AND THE FRAME TO CLOSE TOLERANCES.

THE OUTSIDE CIRCUMFERENCE OF THE VERTICAL FACE OF THE COVER AND THE INSIDE CIRCUMFERENCE OF THE VERTICAL FACE IN THE FRAME RECESS SHALL BE MANUFACTURED TO TOLERANCES SUCH THAT THE CLEARANCE BETWEEN THE COVER AND FRAME WILL NOT EXCEED 1/8" AT ANY POINT AROUND THE CIRCUMFERENCE OF THE COVER. THE SEATING SURFACES BETWEEN THE COVER AND FRAME SHALL BE MACHINED SUCH AS THESE SURFACES SHALL MAKE FULL CONTACT FOR THEIR FULL CIRCUMFERENCE TO PRECLUDE THE COVER FROM ROCKING IN THE FRAME.

THE MANHOLE FRAME AND COVER SHALL BE MARKED WITH LETTERING INDICATING THE NAME OF THE MANUFACTURER AND THE YEAR WHEN THE COVER OR FRAME WAS CAST. THE COVER SHALL BE FURTHER IDENTIFIED WITH REGARDS TO OWNERSHIP USING LETTERS AT LEAST 1 INCH IN HEIGHT. THIS IDENTIFICATION SHALL BE "CITY OF WICHITA SEWER DEPARTMENT". THE WORD DEPARTMENT MAY BE ABBREVIATED. THE TEXTURE OF THE TOP SURFACE OF THE COVER SHALL BE MANUFACTURED IN A CHECKERED PATTERN DESIGN AS INDICATED ON THE DRAWINGS. SMOOTH BLOCKOUTS SHALL BE UTILIZED TO HIGHLIGHT THE LETTERING ON THE COVER SURFACE. THE TOTAL AREA OF SMOOTH SURFACE BLOCKOUT SHALL NOT EXCEED THE AREA AS INDICATED ON THE DRAWING. POSITIONING OF SMOOTH BLOCKOUTS AND LETTERING MAY VARY FROM THAT SHOWN ON THE DETAILED DRAWING.

MANHOLE FRAME AND COVER DETAIL					
ADOPTED AS STANDARD DESIGN BY CITY OF WICHITA, KANSAS					
 BAUGHMAN COMPANY P. A. ENGINEERING, SURVEYING, & PLANNING 316-282-7271 • 315 ELLIS • WICHITA, KANSAS 67211					
PROJECT NUMBER 739 PPS 607861					
DESIGN	DRAWN <i>Staff</i>	APPROVED	DATE 9/17/97	SCALE None	SHEET 6 OF 7

222



N.E. Corner, N.W. 1/4
Sec. 15, T28S, R1E
of the 6th P.M.
Found 1/2 LP. in Thimble

B.M. - CITY OF WICHITA DISC 31" WEST AND 31" SOUTH
OF THE INTERSECTION OF THE CENTERLINES OF
HYDRAULIC AND MACARTHUR ROAD.
ELEV.=86.273 CITY DATUM
ELEV.=1273.673 M.S.L.

SCALE: 1"=10'

STATE OF KANSAS)
COUNTY OF SHAWNEE) ss

BE IT REMEMBERED ON THIS 22 DAY OF January,
1987, BEFORE ME A NOTARY PUBLIC IN AFORESAID STATE AND COUNTY, CAME
DANIEL ED DOUGAN VICEPRESIDENT OF COMMERCE BANK AND TRUST TO ME
PERSONALLY KNOWN TO BE THE SAME PERSON WHO EXECUTED THE FOREGOING
INSTRUMENT AND DULY ACKNOWLEDGED THE EXECUTION OF SAME FOR
HIS OWN SELF AND AS THE ACT AND DEED OF SAID BANK, IN TESTIMONY
WHEREOF I HAVE HEREON SET MY HAND AND AFFIXED MY NOTARIAL SEAL-
THIS DAY AND YEAR AFORESAID. WITNESS

Annette M. Morgan, NOTARY PUBLIC
ANNETTE M. MORGAN
MY COMMISSION EXPIRES May 11, 1999

101 COMMERCIAL STREET

THIS PLAN HAS BEEN SUBMITTED TO AND APPROVED BY THE WICHITA-
SEDMICK COUNTY METROPOLITAN AREA PLANNING COMMISSION,
WICHITA, KANSAS. DATED THIS 19TH DAY OF DECEMBER, 1996.

JOHN C. FAYE
JOHN C. FAYE
MARVIN S. KROUT
MARVIN S. KROUT

THIS PLAT APPROVED AND ALL DEDICATIONS SHOWN HEREON ARE ACCEPTED
BY THE CITY COUNCIL OF THE CITY OF WICHITA, KANSAS. DATED THIS
25th DAY OF FEBRUARY 1987.

Bob Knight MAYOR
JOE KNIGHT
Pat Burnett CITY CLERK
PAT BURNETT

ENTERED ON TRANSFER RECORD THIS 3rd DAY OF April, 1987

James Alford COUNTY CLERK

THIS IS TO CERTIFY THAT THIS INSTRUMENT WAS FILED FOR RECORD IN
THE DEPARTMENT OF RECORDS OFFICE AT 2:00 PM ON THE 7th DAY OF
JANUARY 1967.

[Signature] _____ REGISTER OF DEEDS
LARRY L. CONSIDER
[Signature] _____ DEPUTY
MICHAEL D. HURTT

1014

5950

REGISTER OF DEEDS
KANSAS

7 of 7