

STORM SEWER IMPROVEMENTS

to serve

QUIKTRIP CANYON PROPERTIES ADDITION

Private Project Number

880PPS

Index Code

607861

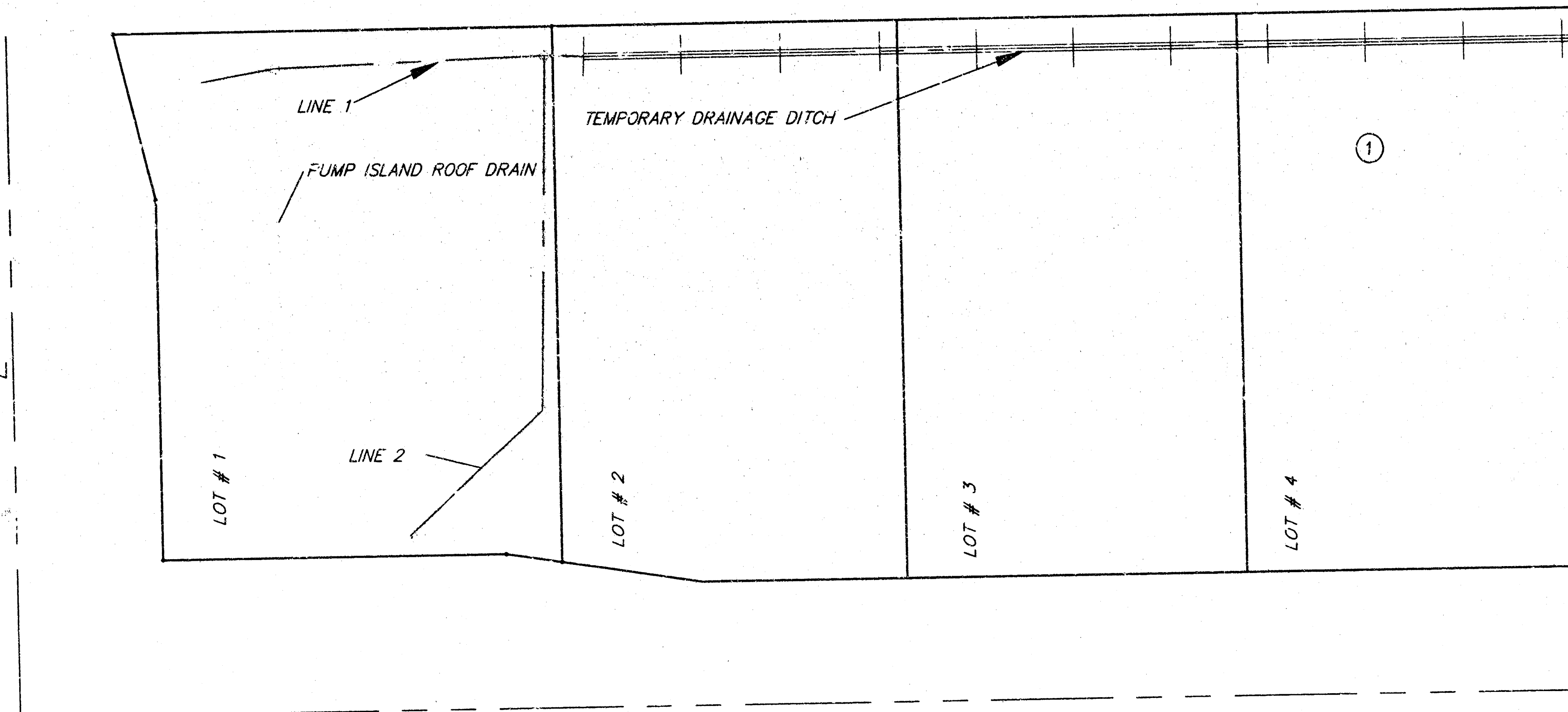
CITY OF WICHITA, KANSAS

Michael E. Lindebak, P.E. City Engineer

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:
 Multimedia Cablevision 262-0661
 K.P.L. Gas Service Company 383-8650
 Kansas Gas & Electric Company 383-8600
 Peoples Gas Company 942-8350
 Southwestern Bell Telephone Company 1-571-2611
 City of Wichita Water Dept. 268-4908
 City of Wichita Traffic Engineering 269-4416
- Underground utility service lines and overhead utility pole lines 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.
- 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 give all property owners and/or tenants of developed property abutting the construction of this project a minimum of ten (10) days advance notice prior to start of construction.
- The Contractor shall be responsible for preserving property irons. The Contractor will 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 in accordance with state laws.
- All areas disturbed by construction operations shall be seeded with rye grass at a rate of 300 lbs/acre immediately following construction in that area. Prior to seeding, area shall be prepared per City specs.
- The Contractor shall be responsible for maintaining continuous flow of storm sewer during construction.

Central



Greenwich

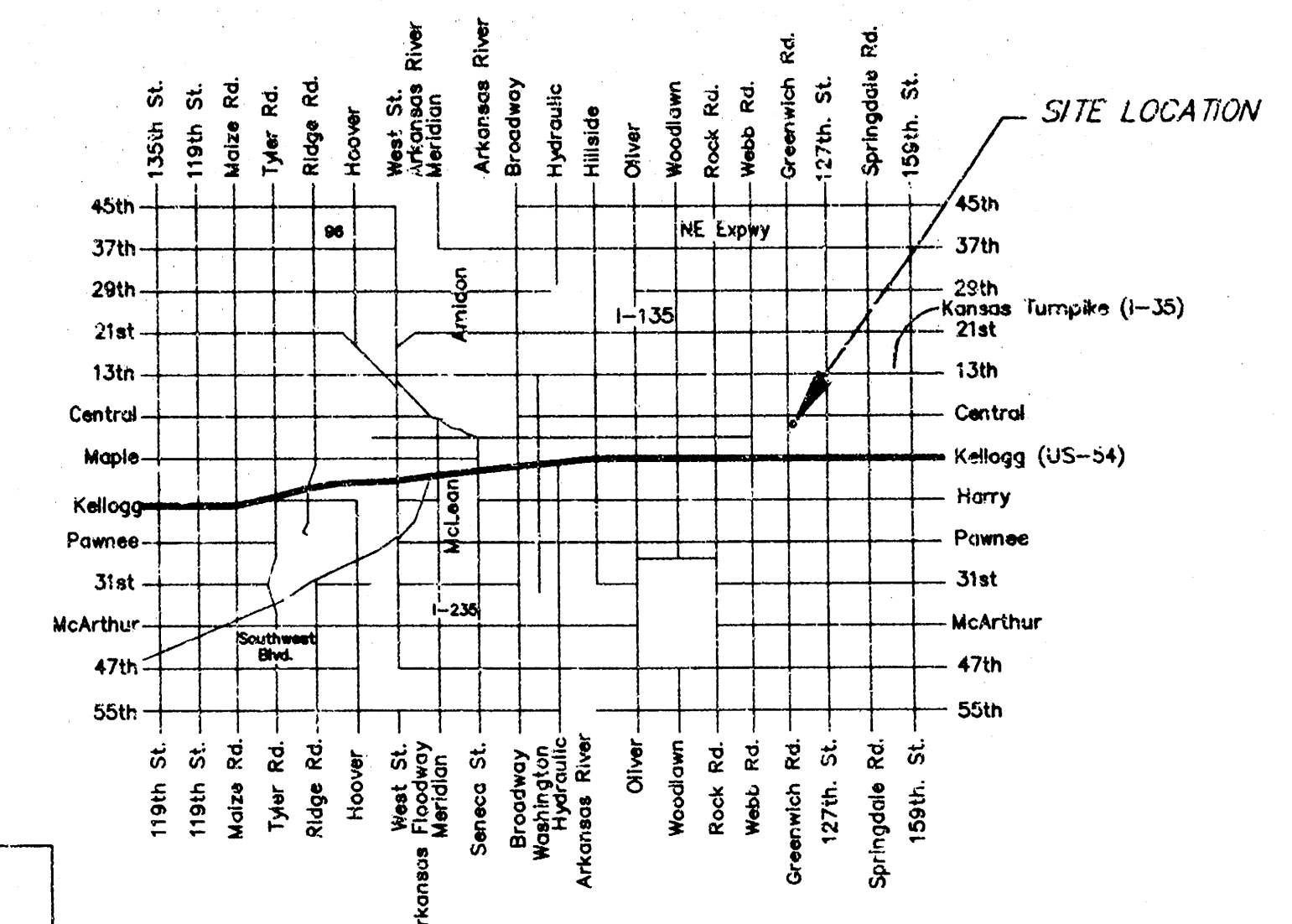
SCALE:
1" = 50'
• = IRON

BENCHMARKS:

STEP NAIL IN NORTHWEST FACE POWER POLE AT SOUTHEAST CORNER CENTRAL AVENUE AND GREENWICH ROAD.
ELEV.= 191.30 CITY DATUM
STEP NAIL IN WEST FACE POWER POLE, 450' SOUTH AND 40' EAST OF THE CENTERLINES OF CENTRAL AVENUE AND GREENWICH ROAD.
ELEV.= 192.12 CITY DATUM.

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Ditch Cross Section Profile	5
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Special Yard Inlet	7
Manhole Detail	8
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Vicinity Map

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Storm Sewers VRH 1/6/99

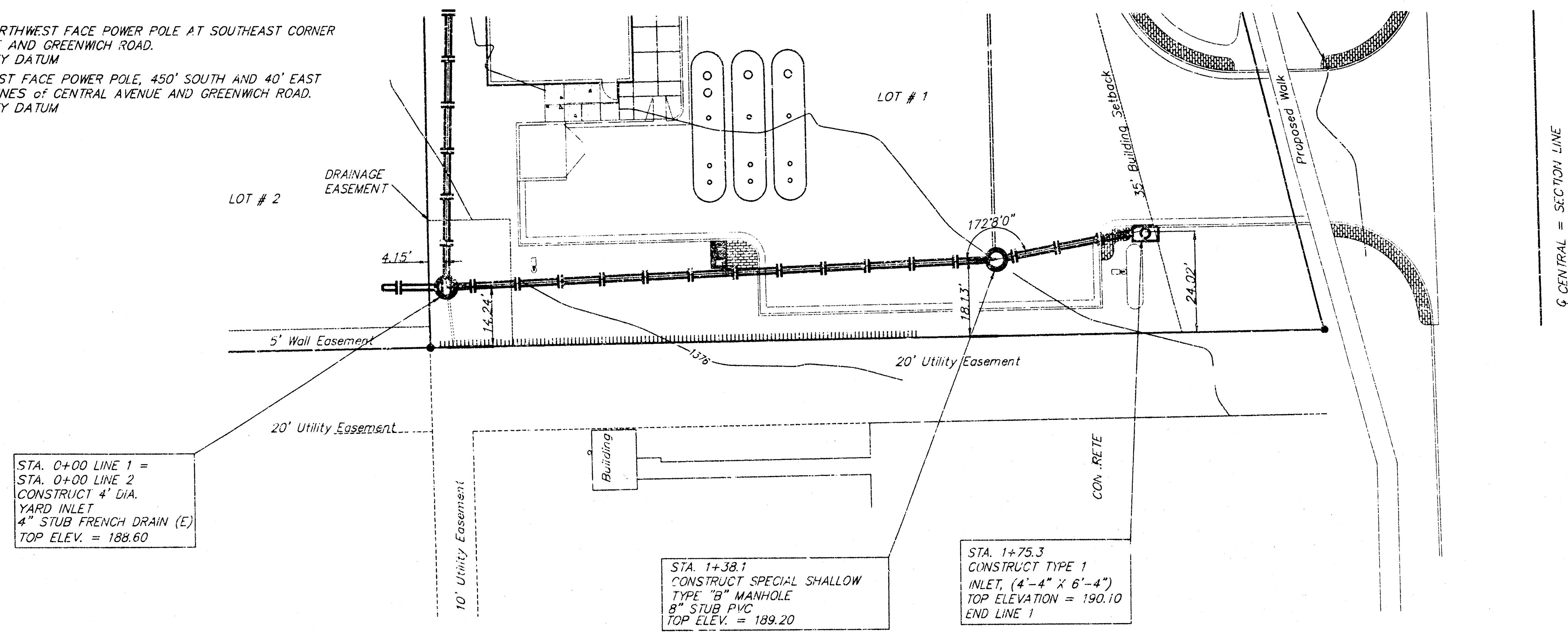
NOTE TO CONTRACTORS

Installation, inspection and testing for this project is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection 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 nor shall any work 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).

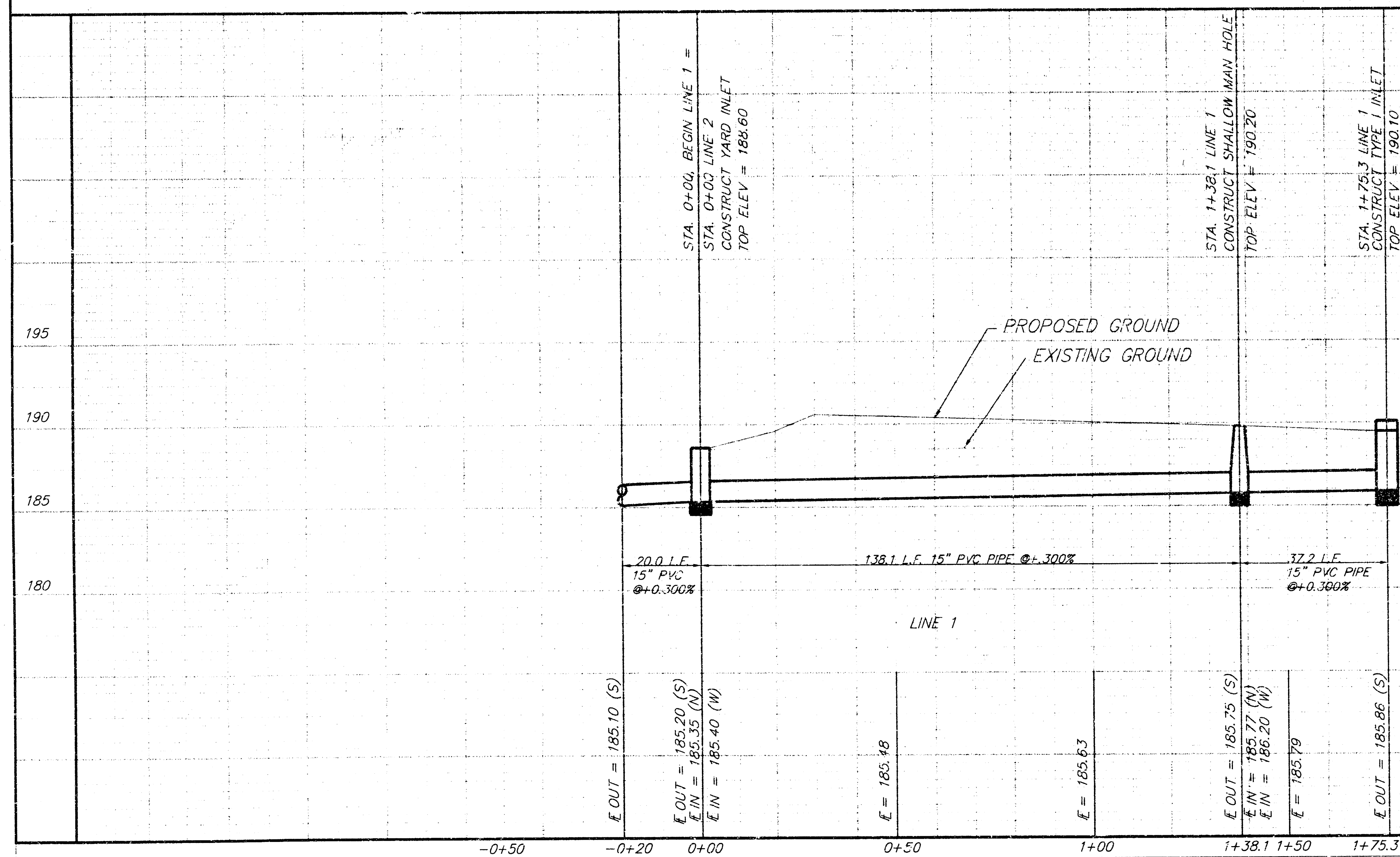
BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 316-262-7272 • WICHITA, KS

BENCHMARK:

STEP NAIL IN NORTHWEST FACE POWER POLE AT SOUTHEAST CORNER
CENTRAL AVENUE AND GREENWICH ROAD.
ELEV.=191.00 CITY DATUM
STEP NAIL IN WEST FACE POWER POLE, 450' SOUTH AND 40' EAST
OF THE CENTERLINES OF CENTRAL AVENUE AND GREENWICH ROAD.
ELEV.=192.12 CITY DATUM

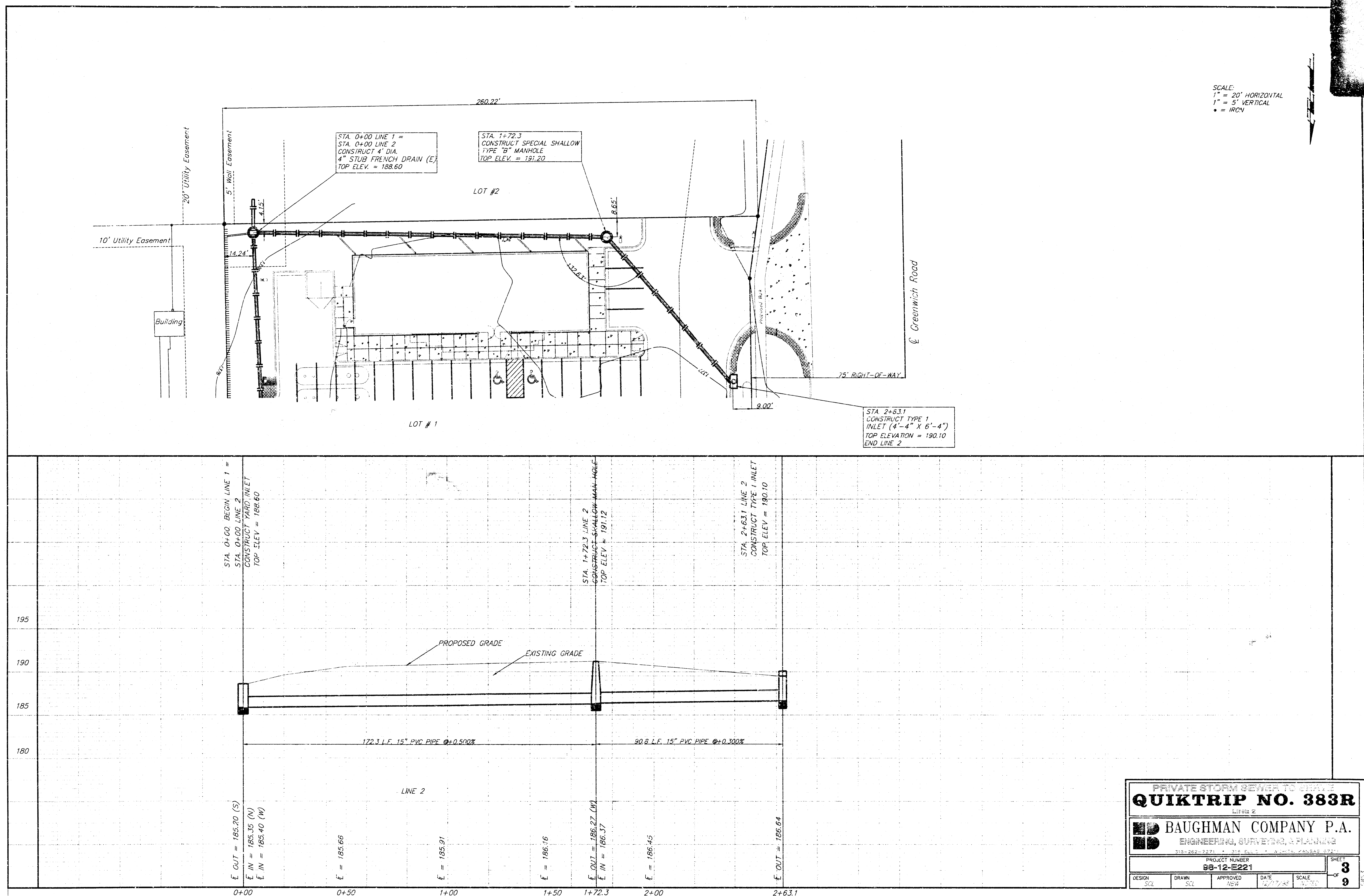


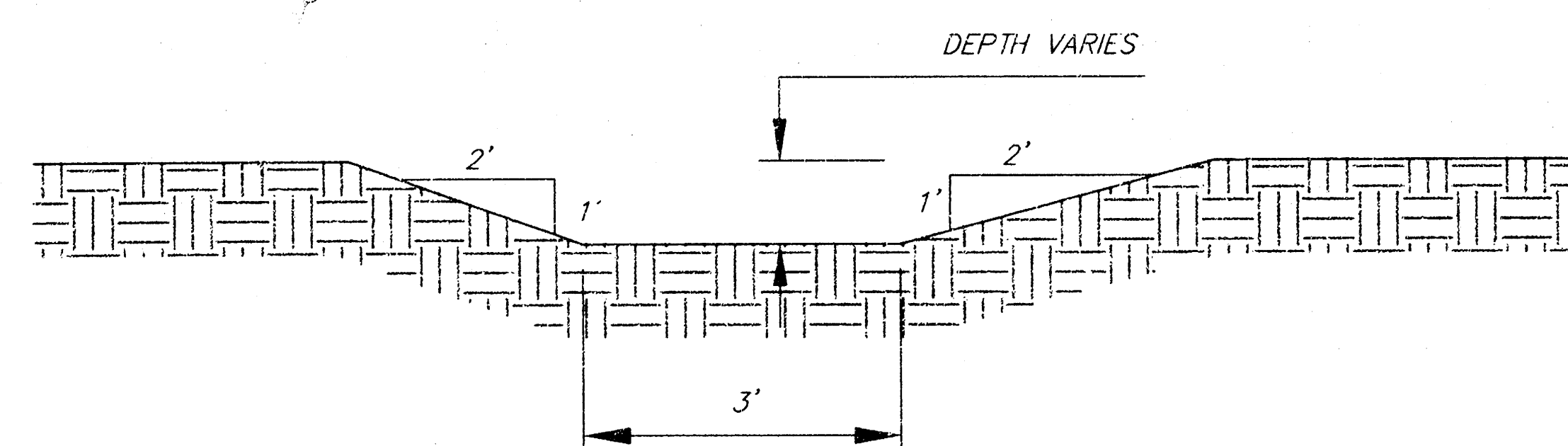
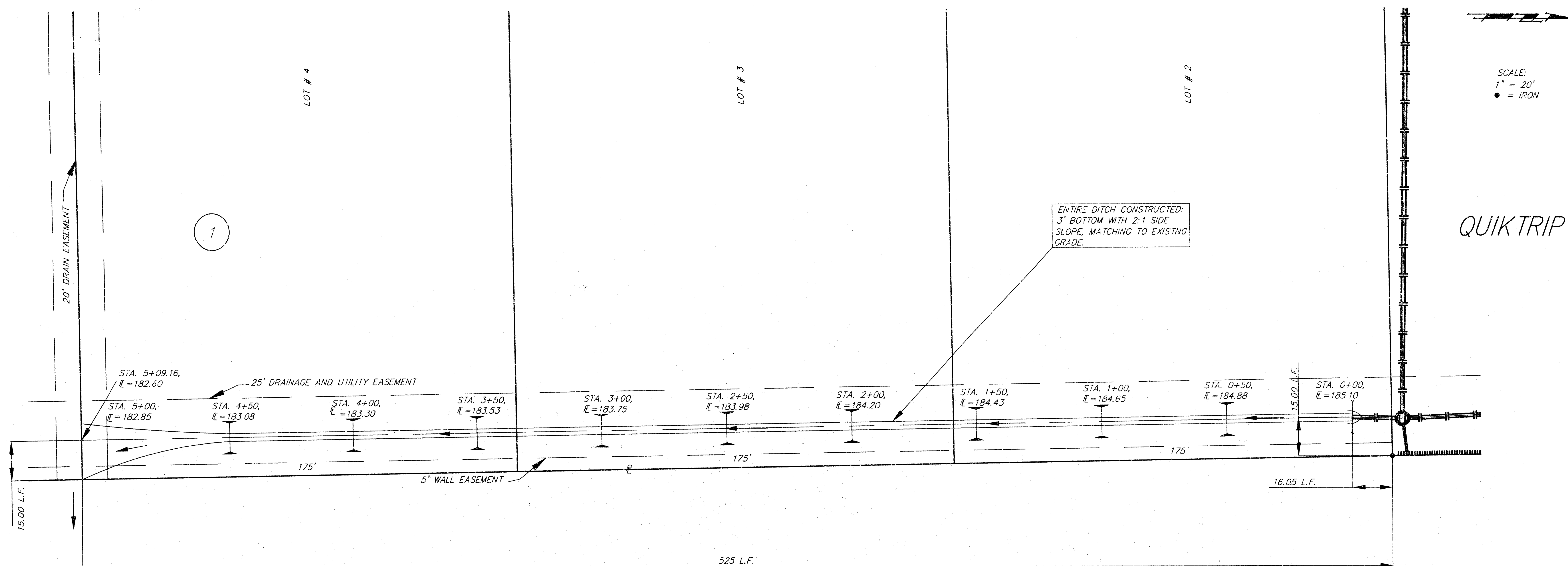
SCALE:
1" = 20' HORIZONTAL
1" = 5' VERTICAL
• = IRON



PRIVATE STORM WATER SEWER TO SERVICE			
QUIKTRIP NO. 383R			
LINE ONE			
BAUGHMAN COMPANY P.A.			
ENGINEERING, SURVEYING, & PLANNING			
716-202-7471 • 315 ELLIS • WICHITA, KANSAS 67211			
PROJECT NUMBER			
98-12-E221			
DESIGN	DRAWN	APPROVED	DATE
SCL	SCL	NB.W	12/17/98
SCALE			SHEET
1" = 20'			2
			9

1/16 Tue Jan 05 16:12:04 1999

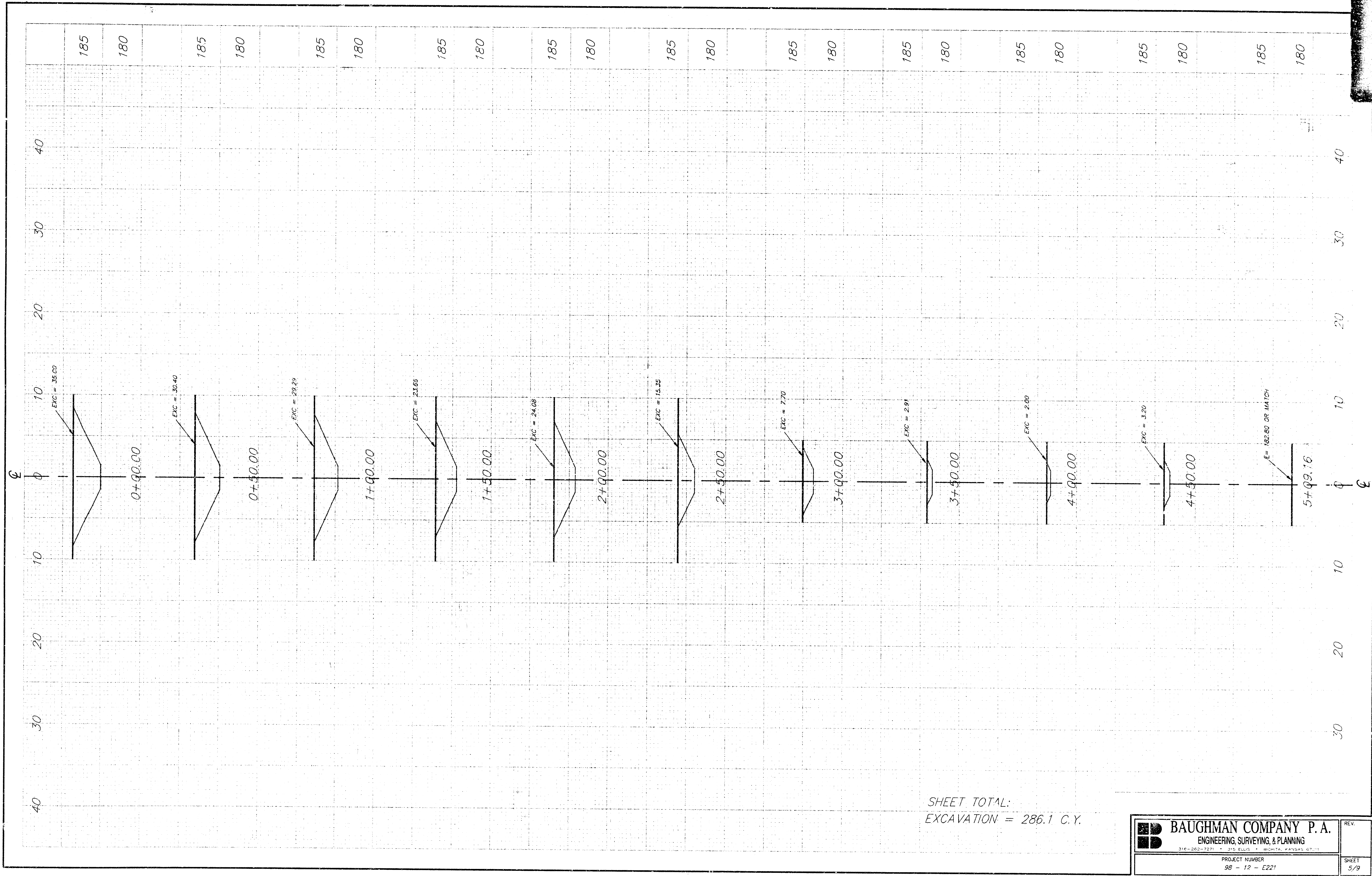




TYPICAL DITCH SECTION

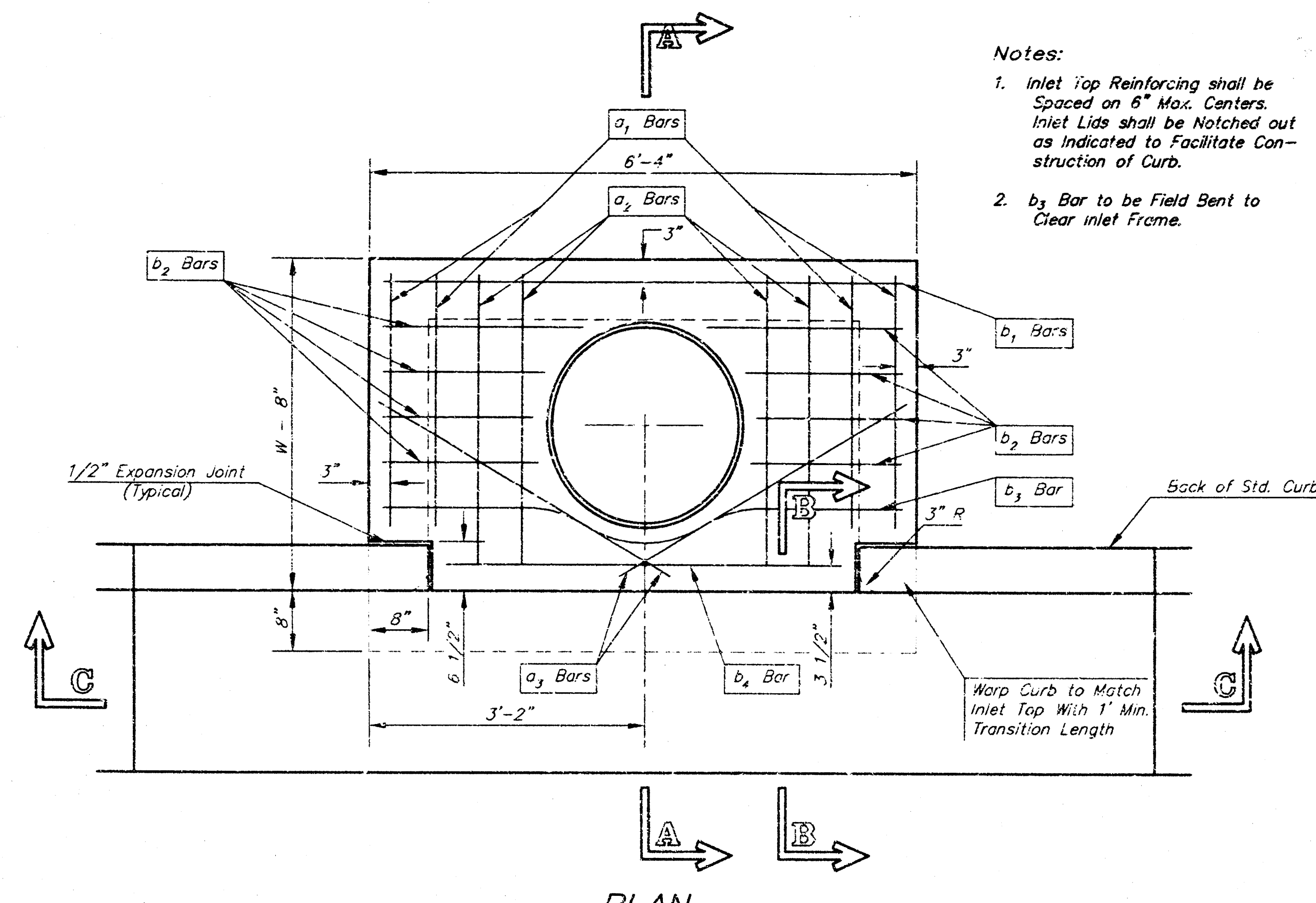
(NO SCALE)

PRIVATE STORM SEWER TO SERVE					
QUIKTRIP NO. 383R					
DITCH					
BAUGHMAN COMPANY P.A.					
ENGINEERING, SURVEYING, & PLANNING					
316-262-7271 • 316 ELLIS • WICHITA, KANSAS 67201					
PROJECT NUMBER 98-12-E221					SHEET 4
DESIGN SCL	DRAWN SCL	APPROVED PSW	DATE 12/22/98	SCALE NOT TO SCALE	OF 9

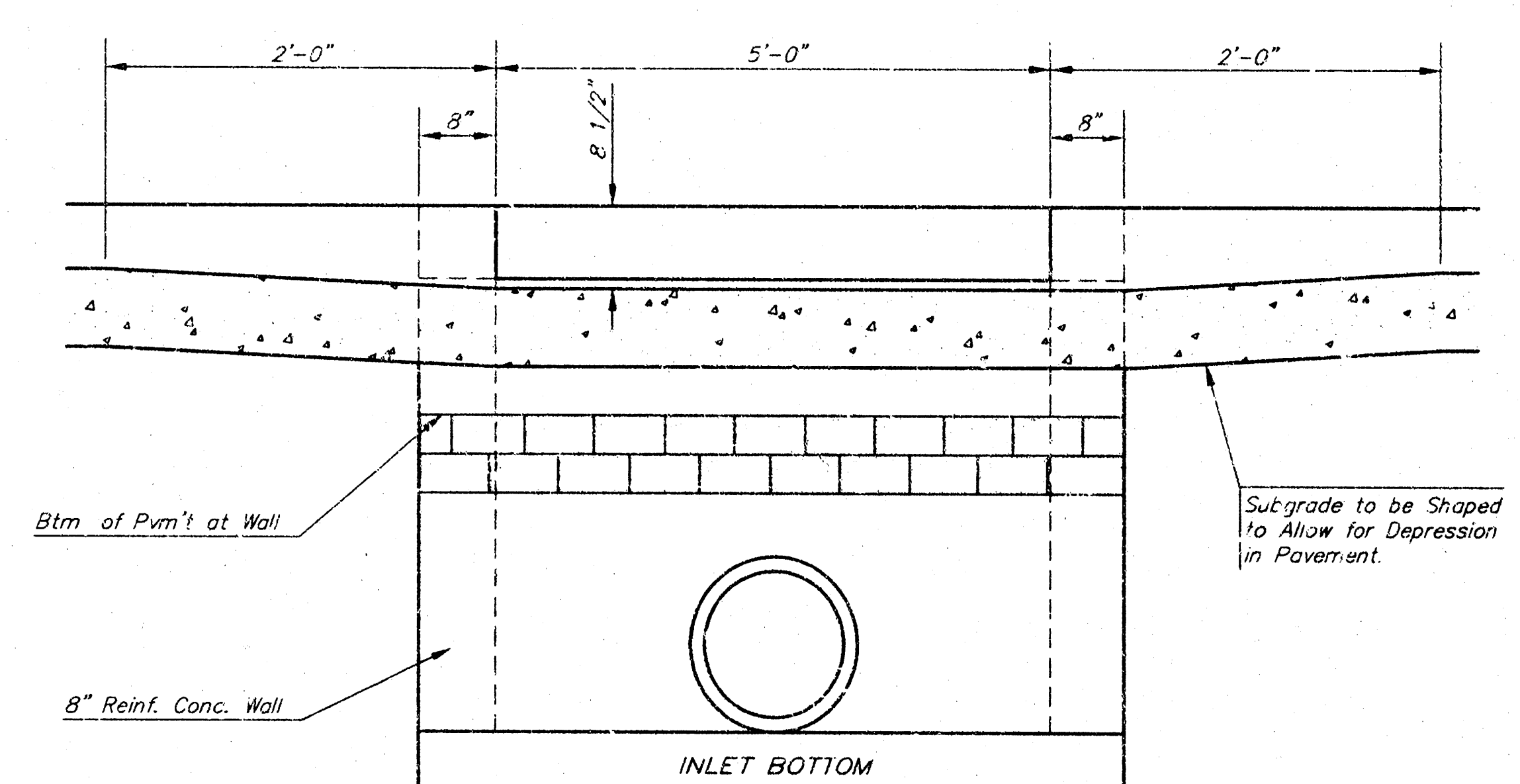


SHEET TOTAL:
EXCAVATION = 286.1 C.Y.

	BAUGHMAN COMPANY P.A.		REV.
	ENGINEERING, SURVEYING, & PLANNING		
PROJECT NUMBER 98 - 12 - C221			SHEET 5/9



PLAN



SECTION C-C

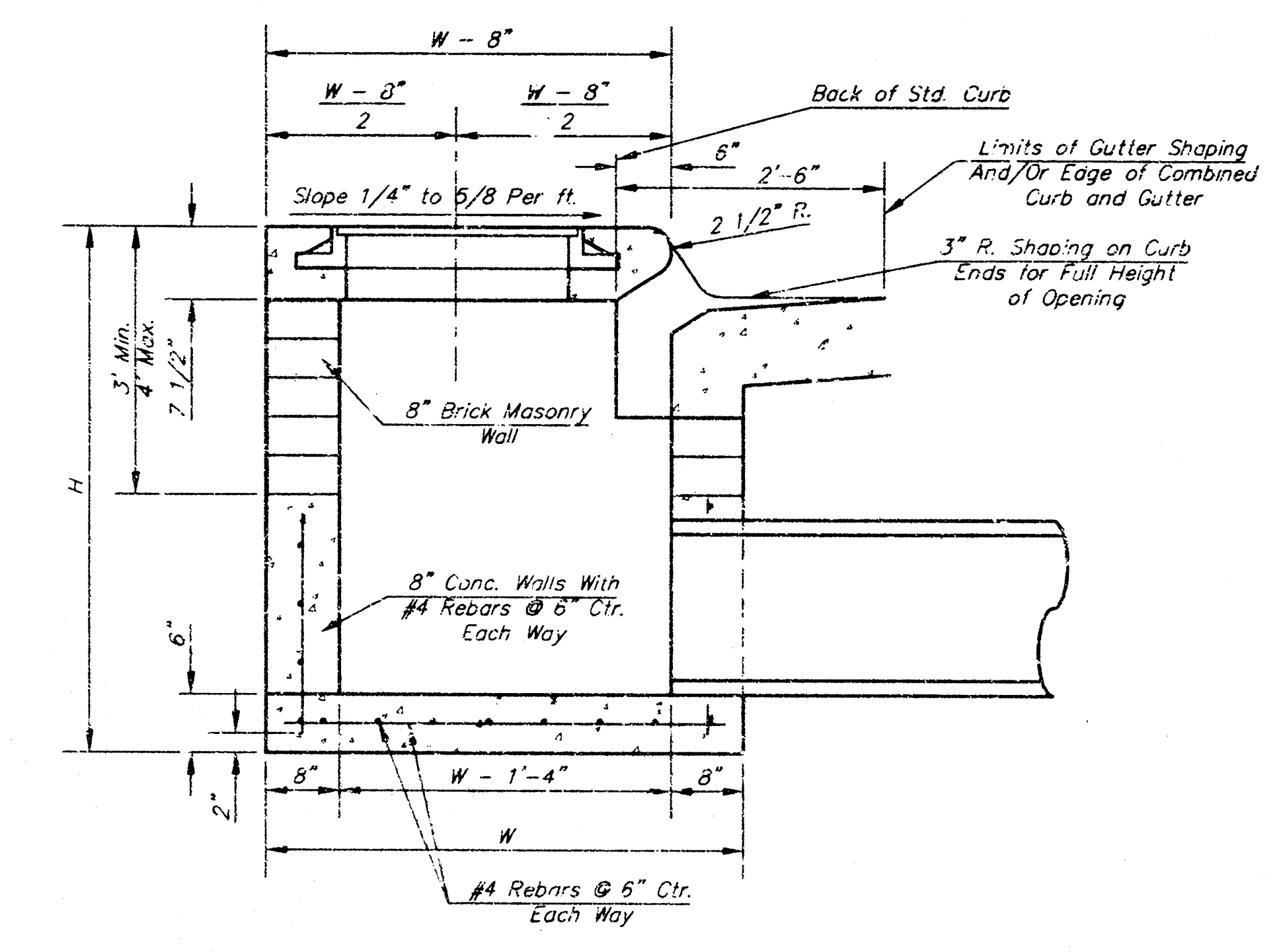
STEEL SCHEDULE

BAR	a ₁	a ₂	a ₃	b ₁	b ₂	b ₃	b ₄	Wt. Lbs.
NUMBER	4	4	2	1	3	5	7	9
SIZE	#4	#4	#4	#4	#4	#4	#4	#4
LENGTH	W=4'-4"	5'-7"	6'-7"	4'-0"	6'-1"	-	-	1'-9"
	W=5'-4"	7'-7"	8'-7"	5'-0"	-	6'-1"	-	1'-9"
	W=6'-4"	9'-7"	10'-7"	6'-0"	-	-	6'-1"	1'-9"
	W=7'-4"	11'-7"	12'-7"	7'-0"	-	-	-	6'-1"
	W=8'-4"	13'-7"	14'-7"	8'-0"	-	-	-	6'-1"

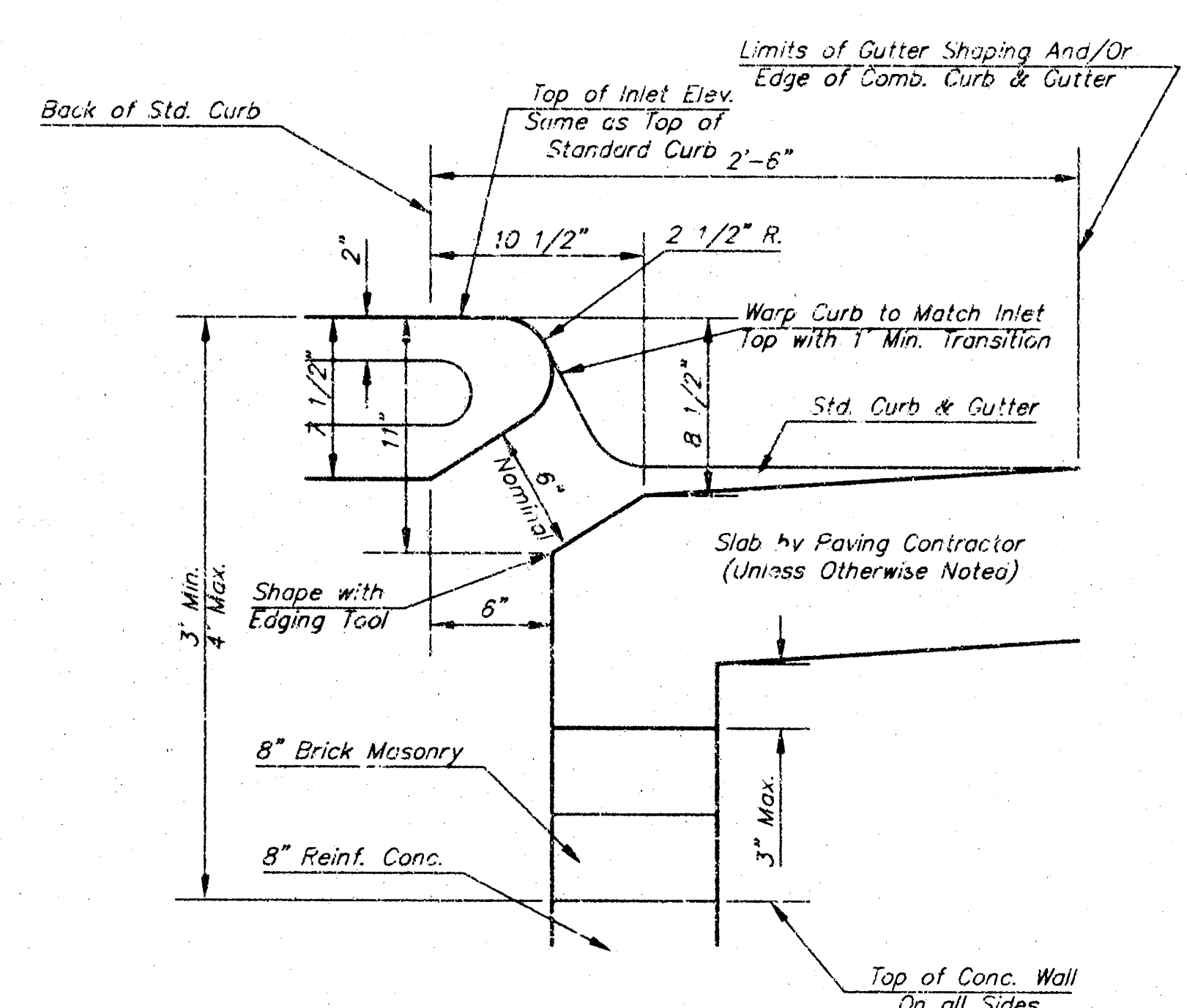
Note: a₃ Bars to be Placed Approx. 2" Below Top of Inlet Cover.

STANDARD CURB INLET PRECAST TOPS

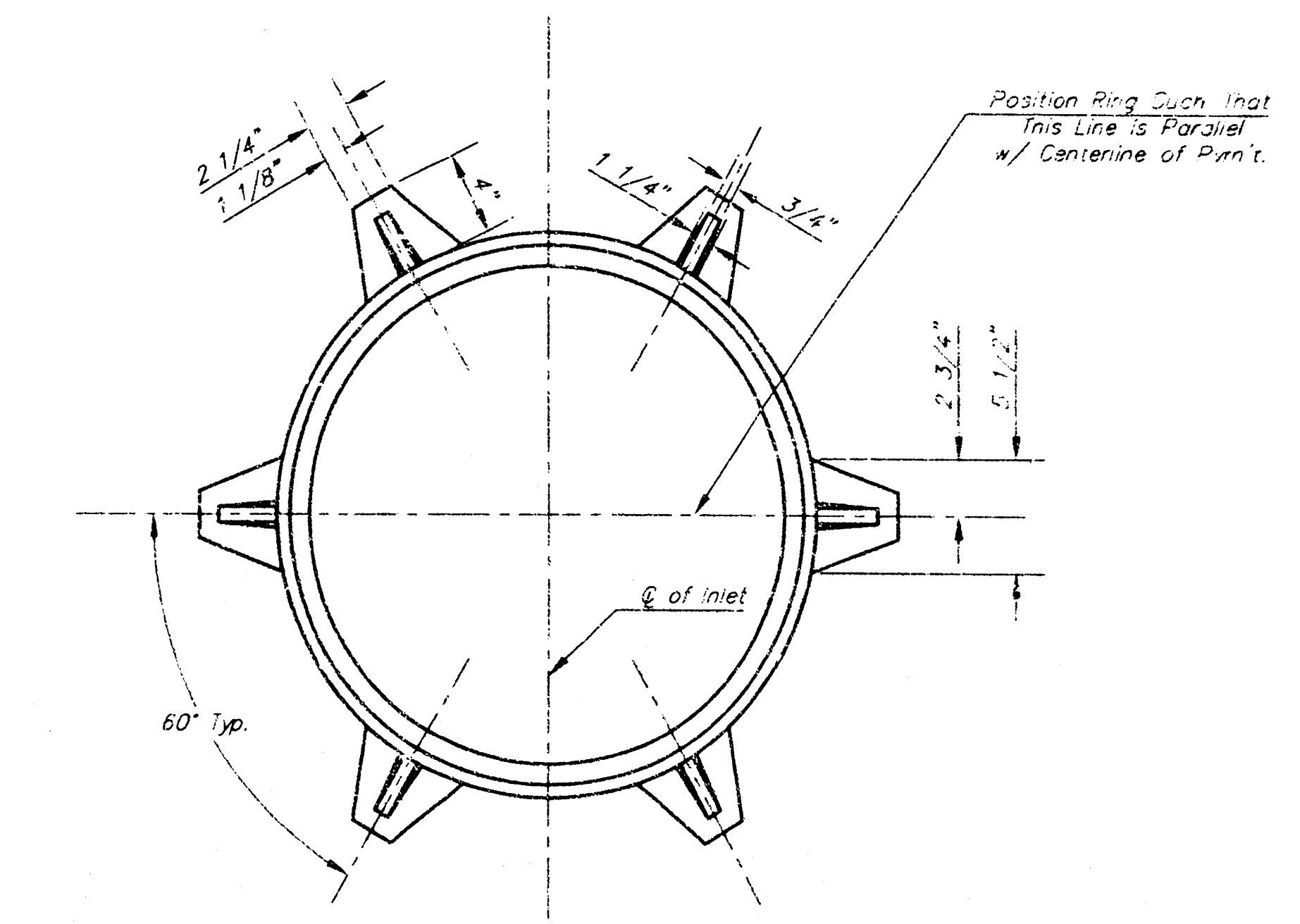
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4'-4"	3'-8" 6'-4" 7 1/2"	21" & SMALLER	0.38±
5'-4"	4'-8" 6'-4" 7 1/2"	24" & 30"	0.51±
6'-4"	5'-8" 6'-4" 7 1/2"	36" & 42"	0.64±
7'-4"	6'-8" 6'-4" 7 1/2"	48" & 54"	0.77±
8'-4"	7'-8" 6'-4" 7 1/2"	60" & 66"	0.90±



SECTION A-A

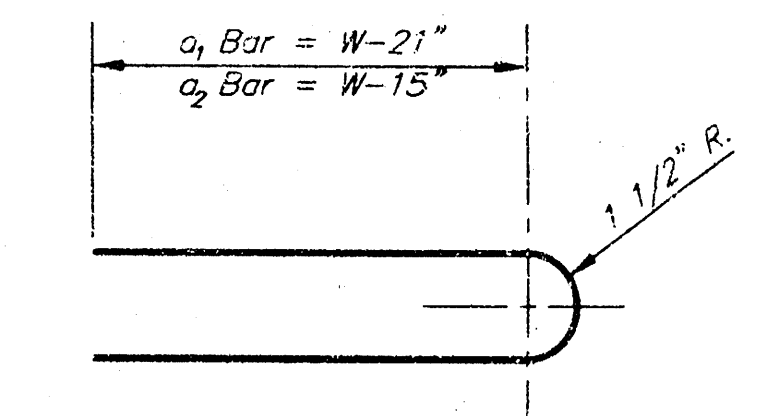


SECTION B-B



MANHOLE RING AND COVER

*See City of Wichita Standard Manhole Ring and Cover Detail Sheet for Cover Details to be Used With Inlet Frame.



BENDING DIAGRAM

GENERAL NOTES

- 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.
- 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.
- 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.

Revised - Dec. 21, 1984

CITY OF WICHITA, KANSAS

TYPE 1 CURB INLET

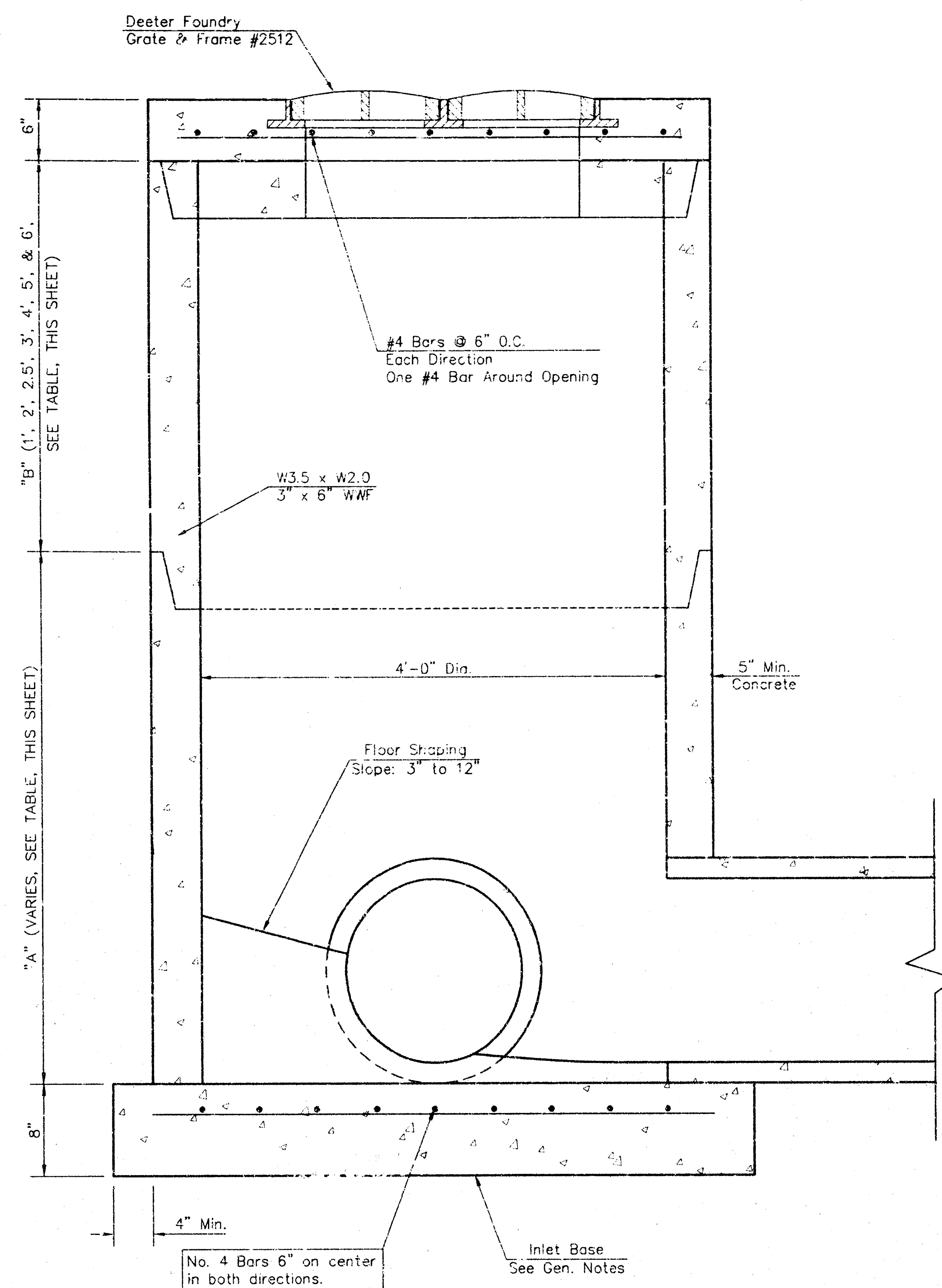
INLET OPENING = 2'-0" x 5'-0"

BAUGHMAN COMPANY P.A.

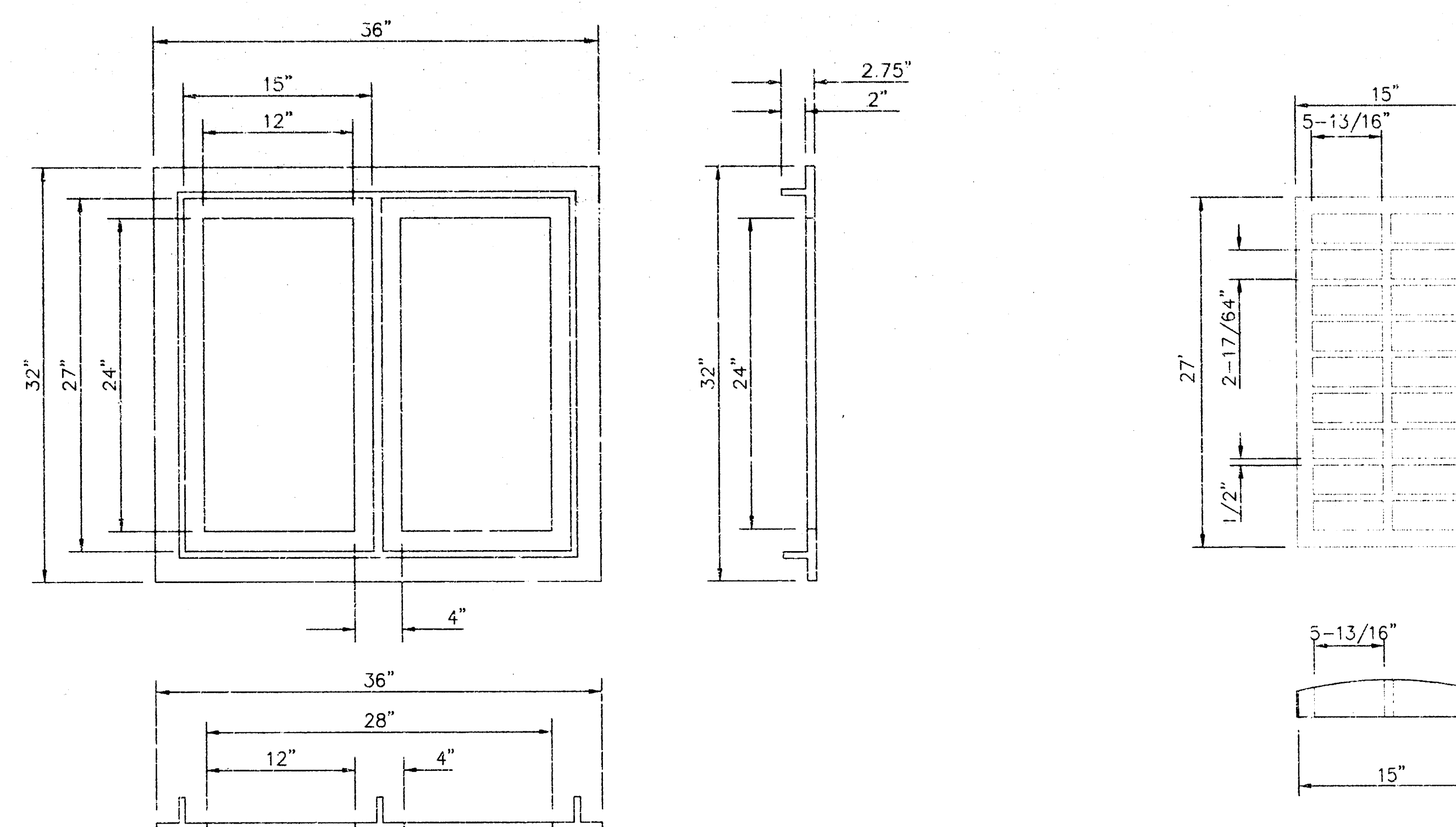
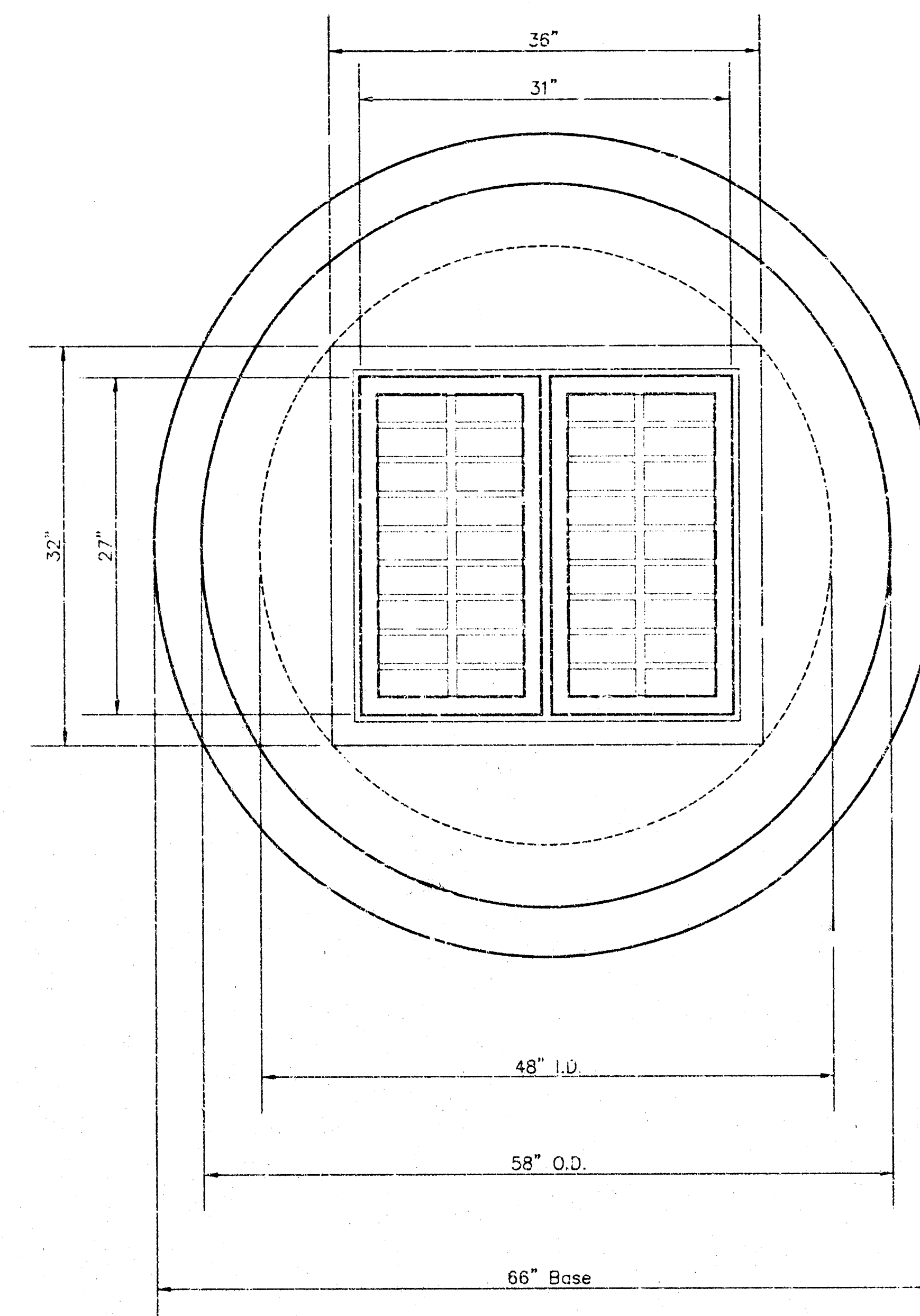
ENGINEERING, SURVEYING, & PLUMBING

PROJECT NUMBER: 99-12-E221

DESIGN: C.D.W. DRAWN: STAFF APPROVED: NEW DATE: 2/22/99 SCALE: 1/4" = 1'-0" SHEET: 6 OF 9



YARD INLET

[illegible]

GENERAL NOTES

1. Mortar used in masonry construction shall contain 8 sacks of cement per cubic yard. Concrete used in yard inlet bases shall conform to the requirements of concrete for concrete pavement construction as specified in the city standard paving specifications using city concrete cement mix without air entraining.
2. Reinforcing steel shall be installed in the yard inlet bases and shall consist of no. 4 bars placed on 6" centers in both directions. The yard inlet base reinforcement shall be placed 6" above the bottom of the yard inlet base. All costs for furnishing and installing reinforcing steel shall be included in the unit price bid for the yard inlet.
3. The floors of all yard inlet shall be shaped with flow channels such that the inlets will be self cleaning and free of areas where solids could be deposited. Flow channels shall be formed to match the bottom halves of the inflowing pipes and the outflowing pipe as shown by the drawings. Inlet floors shall have slopes of 3 inches per foot in the areas outside of the flow channels sloped toward the flow channels. Pipes laid through inlets shall have the top half removed to neat lines for the full inside diameter of the inlet. Inlet floors shall then be shaped around the bottom half of the pipe which forms the flow channel.
4. Pipes installed within the excavation made for the inlet shall be cradled with concrete to the limits of the inlet excavation. When clay pipe is used, the cradle shall extend to the first joint outside the inlet. The cradle shall be terminated at the clay pipe joint in a manner which will maintain the flexibility of the joint. Cost of cradle within inlet excavation or to clay pipe joints adjacent to inlet shall be included in the unit price bid for the inlet.
5. Inlet grate castings and inlet frame castings shall conform to the requirements as indicated in the standard specifications and as shown in the standard detail drawing.
6. The crowns of inflowing pipes shall never be set lower than the crown of the outflowing pipe.
7. Joints between inlet sections to be sealed with two wraps of extruded butyl rubber joint mastic meeting City of Wichita Type "P" Manhole Specifications.
8. Special yard inlet shall be paid for at the unit price bid per each. All standard yard inlet diameters will be 4'.

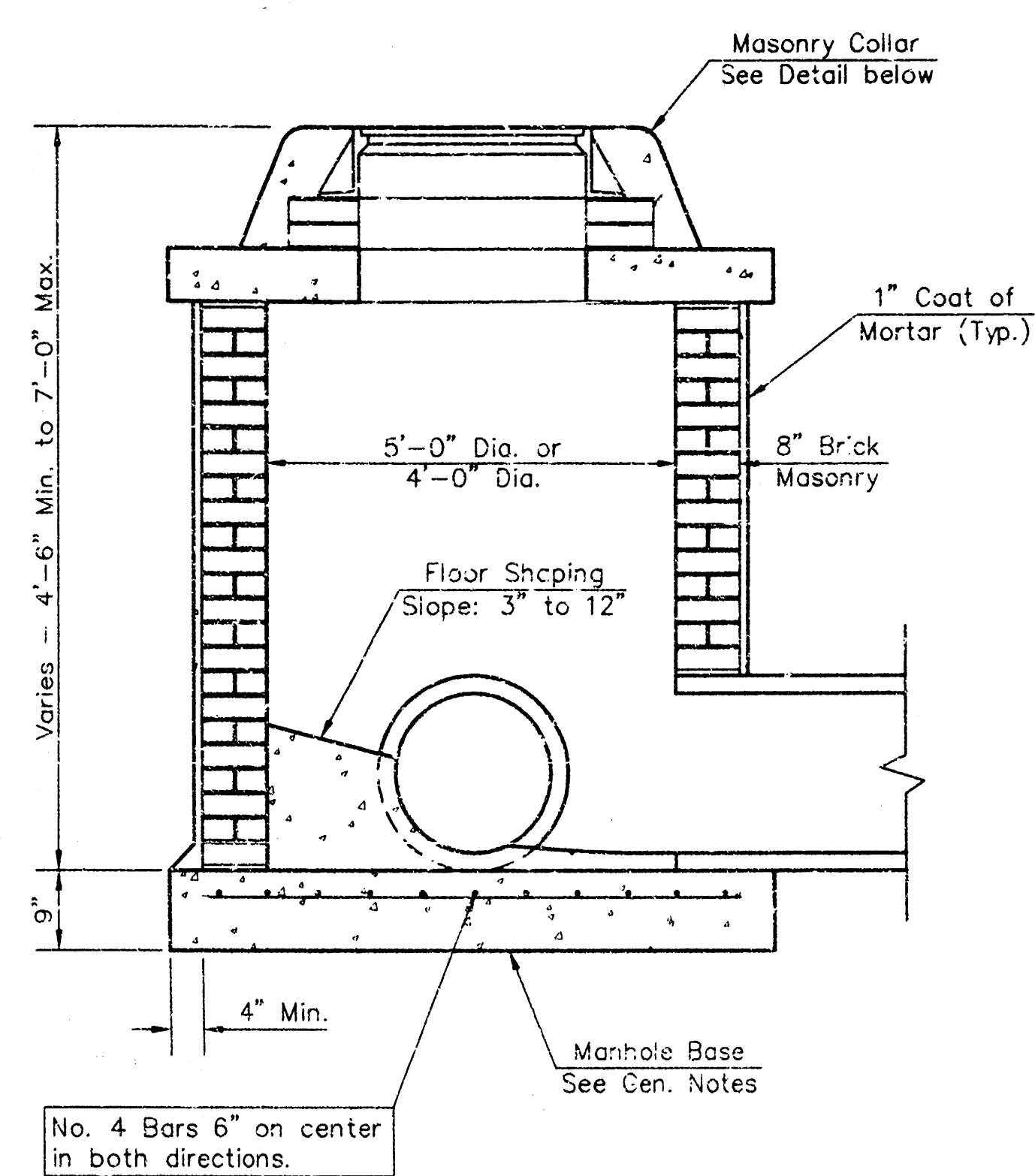
SPECIAL YARD INLET

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

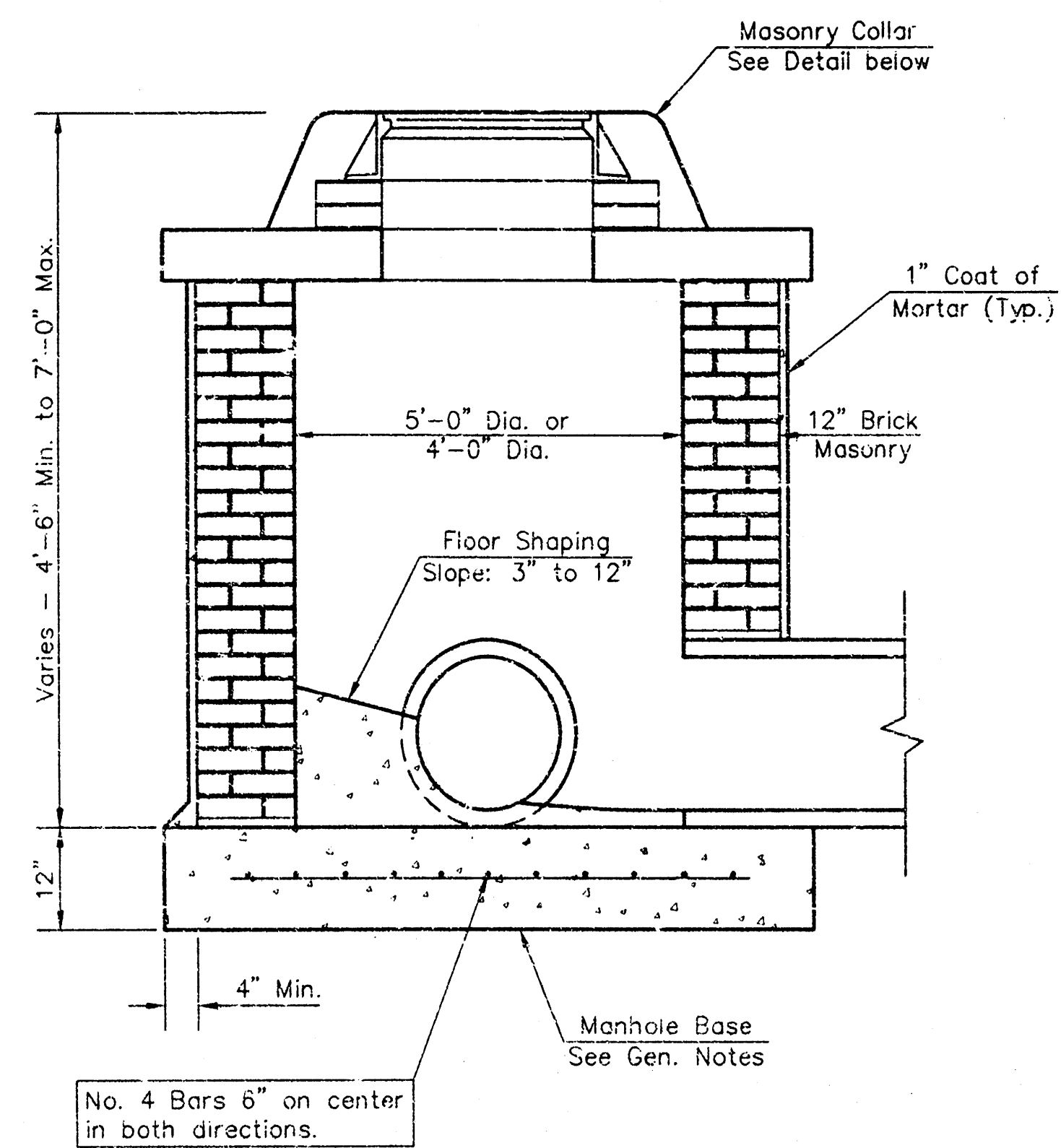
PROJECT NUMBER
98-12-E221

DESIGN	DRAWN STAFF	APPROVED M.A.	DATE 12/22/85	SCALE
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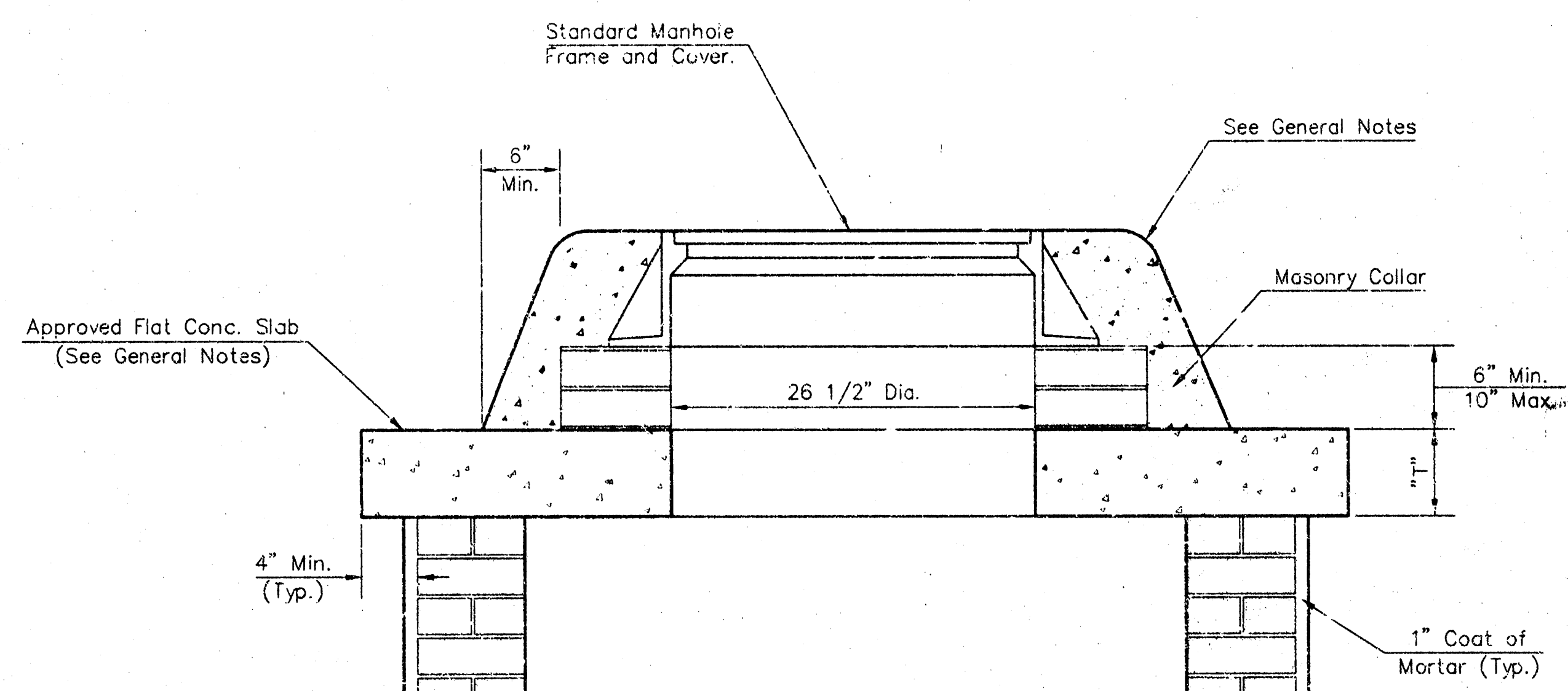
DEETER #2512 CATCH BASIN INLET GRATE & FRAME



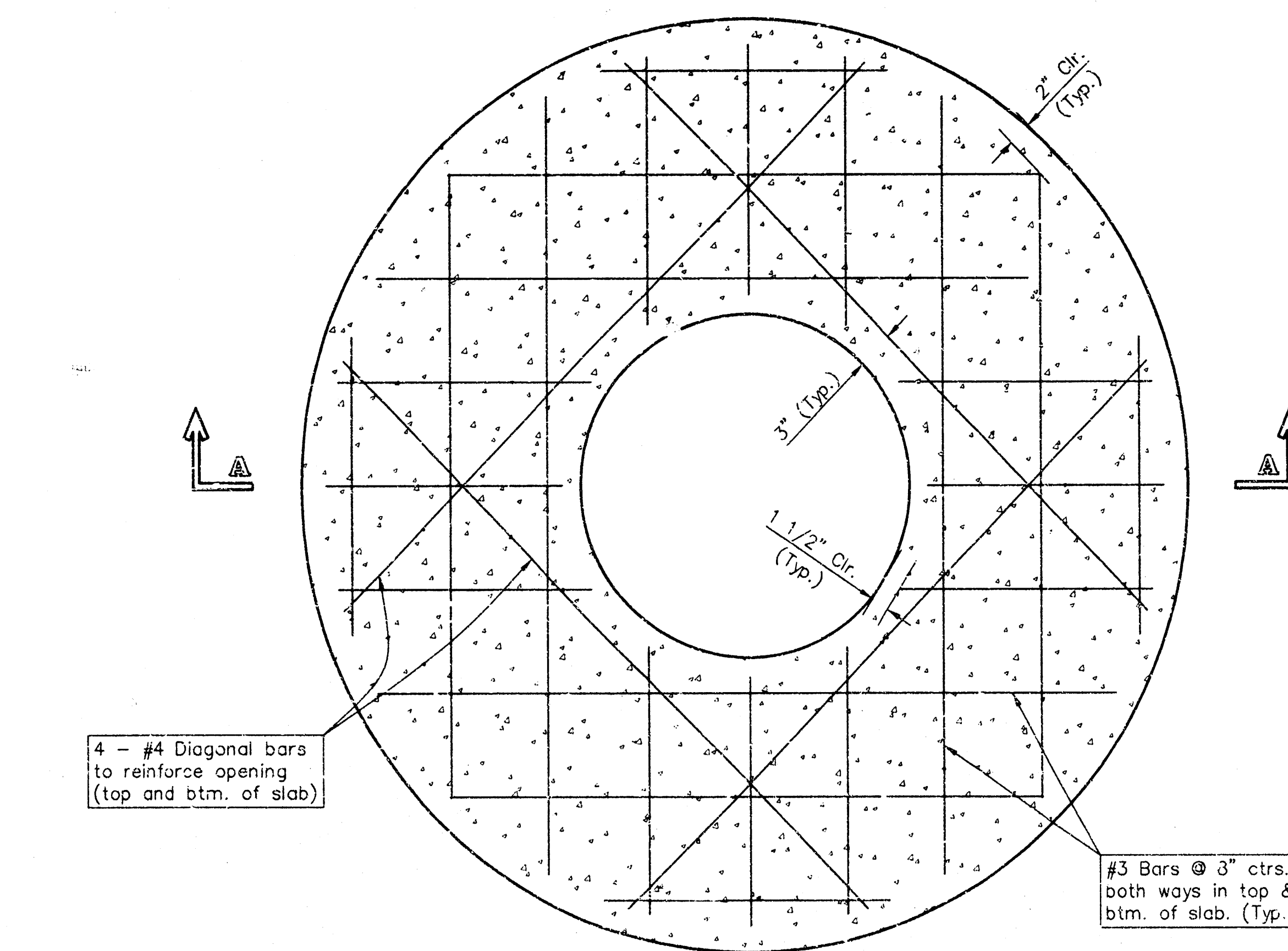
SHALLOW TYPE "A" MANHOLE



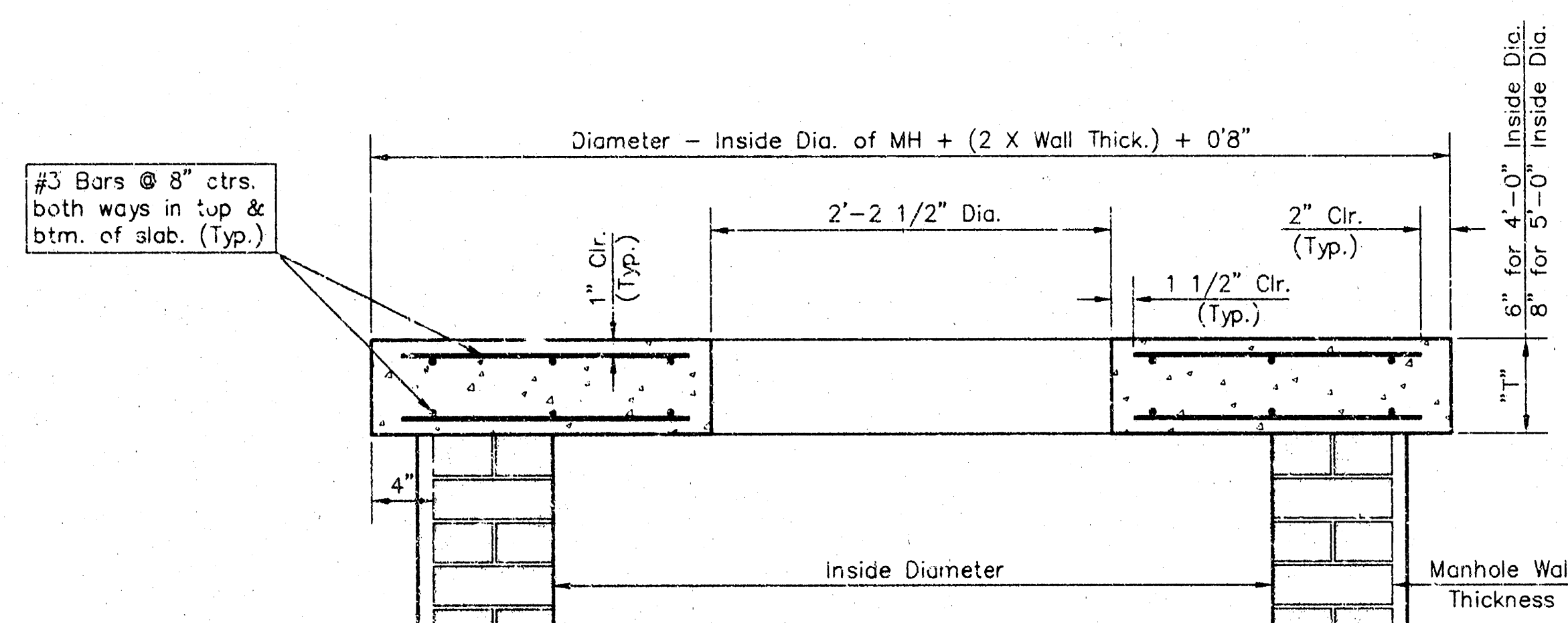
SHALLOW TYPE "B" MANHOLE



MASONRY COLLAR DETAIL

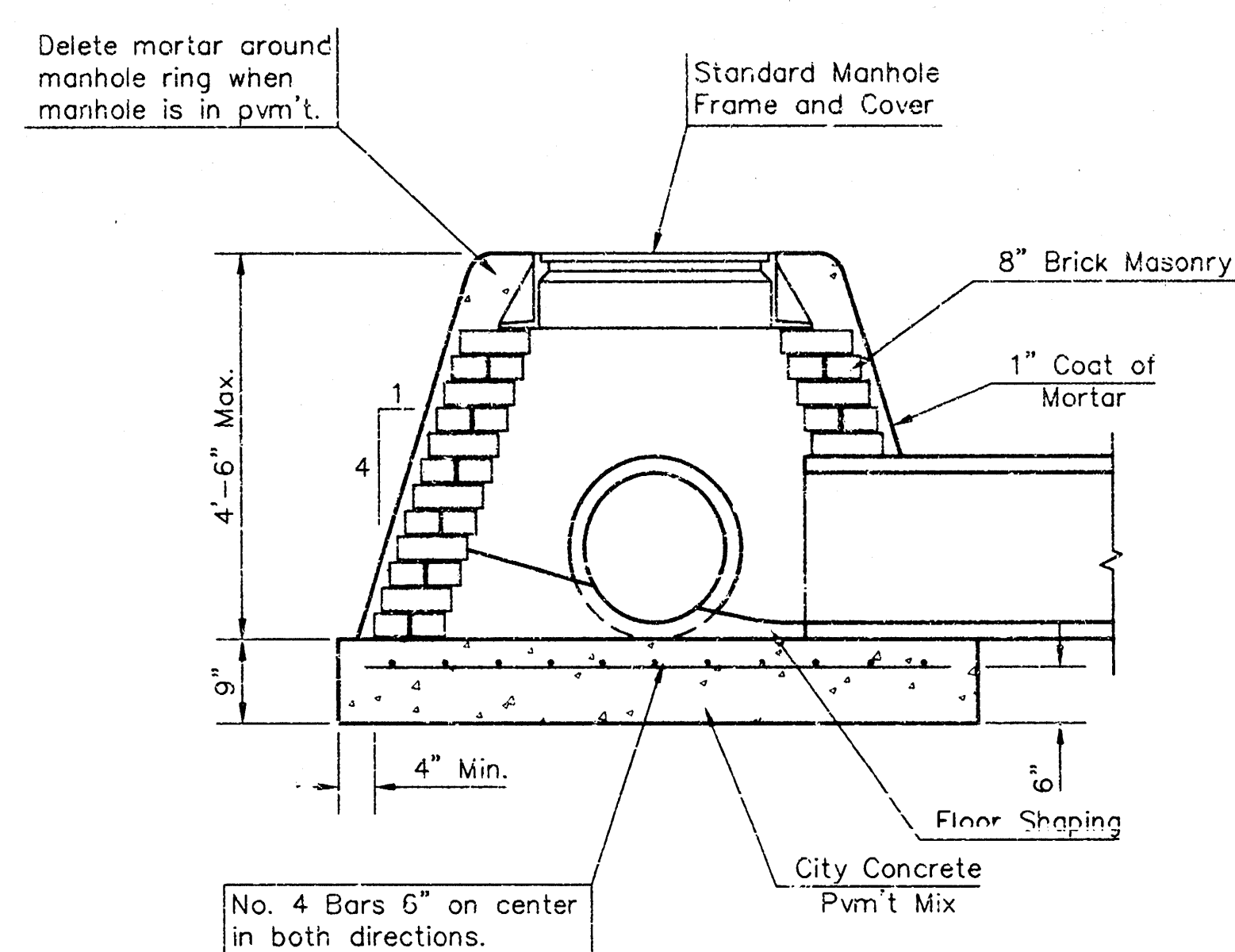


PLAN

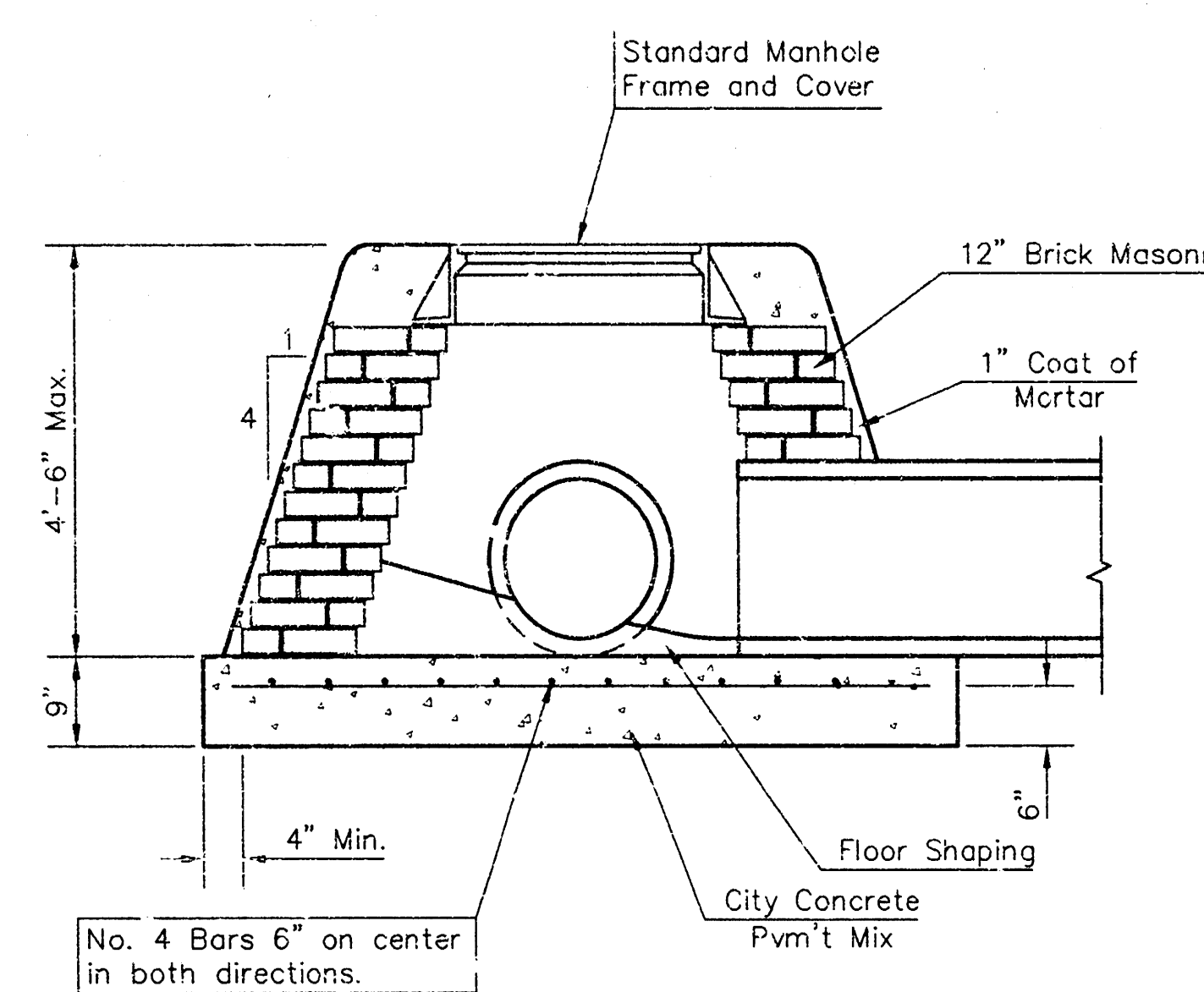


SECTION A-A

FLAT CONCRETE SLAB DETAILS



SPECIAL SHALLOW TYPE "A" MANHOLE



SPECIAL SHALLOW TYPE "B" MANHOLE

GENERAL NOTES

- Mortar used in masonry construction shall contain 8 sacks of cement per cubic yard. Concrete used in manhole bases shall conform to the requirements of concrete for concrete pavement construction as specified in the city standard paving specifications using city concrete cement mix without air entraining admixture. Mortar shall be placed around the manhole ring as shown on the drawings when manholes are constructed in unpaved areas. Type "A" shallow manholes can be used on sewers when the manhole is not located within public street pavement. Manholes constructed where pipe sizes are smaller than 24" shall have an inside diameter of 4'. Manholes constructed where pipe sizes are 24" or larger shall have an inside diameter of 5'. Completed manholes shall be without leaks and water tight.
- Reinforcing steel shall be installed in the manhole bases and shall consist of no. 4 bars placed on 6" centers in both directions. The manhole base reinforcement shall be placed 6" above the bottom of the manhole base. All costs for furnishing and installing reinforcing steel shall be included in the unit price bid for the manhole.
- The floors of all manholes shall be shaped with flow channels such that the manholes will be self cleaning and free of areas where solids could be deposited as sewage flows through the manhole from all inlet pipes to the outlet pipe. Flow channels shall be formed to match the bottom halves of the inflowing pipes and the outflowing pipe as shown by the drawings. Manhole floors shall have slopes of 3 inches per foot in the areas outside of the flow channels sloped toward the flow channels. Pipes laid through manholes shall have the top half removed to neat lines for the full inside diameter of the manhole. Manhole floors shall then be shaped around the bottom half of the pipe which forms the flow channel.
- Pipes installed within the excavation made for the manhole shall be cradled with concrete to the limits of the manhole excavation. When clay pipe is used, the cradle shall extend to the first joint outside the manhole. The cradle shall be terminated at the clay pipe joint in a manner which will maintain the flexibility of the joint. Cost of cradle within manhole excavation or to clay pipe joints adjacent to manhole shall be included in the unit price bid for the manhole.
- Manhole cover castings and manhole frame castings shall conform to the requirements as indicated in the standard specifications and as shown in the standard detail drawings.
- The crowns of inflowing pipes shall never be set lower than the crown of the outflowing pipe.
- Standard shallow manholes type "A" and "B" shall be paid for at the unit price bid per each for the type and diameter indicated. Standard special shallow manholes type "A" and "B" shall be paid for at the unit price bid per each for the type indicated. All standard shallow manhole diameters will be 4' unless indicated otherwise.
- All brick used in manhole construction shall meet Grade SW of ASTM C652 or C62-87.

CITY OF WICHITA MANHOLE DETAIL TYPE "A" AND TYPE "B"

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67201

DESIGN	DRAWN	APPROVED	DATE	SCALE	SHEET
SCL	STAFF	NFW	12/22/95		8
					9

8-16 C-8

CANYON PROPERTIES ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS

SCALE: 1"=50'

BM GG112 - STEP NAIL IN NORTHWEST FACE POWER POLE AT SOUTHEAST CORNER
CENTRAL AVENUE AND GREENWICH ROAD.
ELEV.=1378.40 M.S.L.

BM GG113 - STEP NAIL IN WEST FACE POWER POLE, 450' SOUTH AND 40' EAST
OF THE CENTERLINES OF CENTRAL AVENUE AND GREENWICH ROAD.
ELEV.=1379.52 M.S.L.

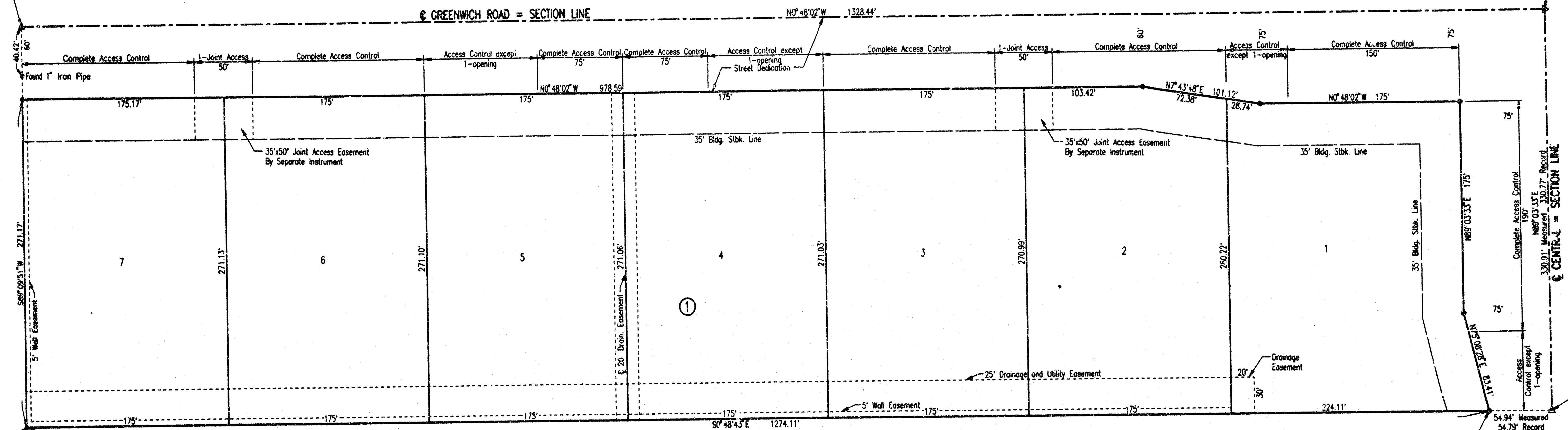
N.W. Corner
Sec. 22, T27S, R2E
of the 6th P.M.
Found 1/2" I.P.

S.W. Corner N.W. 1/4, N.W. 1/4
Sec. 22, T27S, R2E
of the 6th P.M.
No Monument Found

N.E. Corner, W. 1/2,
W. 1/2, N.W. 1/4, N.W. 1/4
Sec. 22, T27S, R2E
of the 6th P.M.
No Monument Found

N.W. Corner
Foundations 2nd Addition
Found 3/4" Iron Pipe

S.W. Corner
Foundations 2nd Addition
Found 3/4" Iron Pipe



STATE OF KANSAS }
COUNTY OF SEDGWICK }

I, JAMES P. MOORE, A REGISTERED LAND SURVEYOR IN AFORESAID STATE AND COUNTY,
DO HEREBY CERTIFY THAT ON THIS 22ND DAY OF JULY, 1998, I HAVE CAUSED
TO BE SURVEYED AND PLATTED CANYON PROPERTIES ADDITION TO WICHITA, SEDGWICK
COUNTY, KANSAS, INTO LOTS, A BLOCK, AND STREETS THE SAME BEING DESCRIBED AS:

ALL OF THE WEST HALF OF THE WEST HALF OF THE NORTHWEST QUARTER OF THE
NORTHWEST QUARTER OF SECTION 22, TOWNSHIP 27 SOUTH, RANGE 2 EAST OF THE SIXTH
PRINCIPAL MERIDIAN, SEDGWICK COUNTY, KANSAS.

RIGHT-OF-WAY ROAD EASEMENTS AS PER FILM 1722, PAGES 1379 AND 1381, AND MISC.
BOOK 301, PAGE 437, AND MISC BOOK 606, PAGE 11, ARE HEREBY VACATED AND REPLATTED
BY VIRTUE OF K.S.A. 12-512(b) AMENDED.

James P. Moore
JAMES P. MOORE, R.L.S. NO. 829
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.

KNOW ALL MEN BY THESE PRESENTS THAT WE, THE UNDERSIGNED PROPERTY OWNERS OF THE
LAND AS ABOVE SET FORTH IN THE SURVEYOR'S CERTIFICATE, HAVE CAUSED THE LAND TO
BE SURVEYED AND PLATTED INTO LOTS, A BLOCK, AND STREETS THE SAME TO BE KNOWN
AS CANYON PROPERTIES ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS. EASEMENTS
FOR THE CONSTRUCTION AND MAINTENANCE OF PUBLIC UTILITIES AND DRAINAGE ARE
HEREBY GRANTED.

THE STREETS ARE HEREBY DEDICATED TO AND FOR THE USE OF THE PUBLIC

THE 5-FOOT WALL EASEMENT ALONG THE EAST LINE OF LOTS 2 THROUGH 7, AND THE
SOUTH LINE OF LOT 7, BLOCK 1, IS HEREBY PLATTED FOR THE CONSTRUCTION AND
MAINTENANCE OF A PRIVATE WALL. UTILITIES MAY CROSS THE WALL EASEMENT

ALL ABUTTERS' RIGHT OF ACCESS TO AND FROM GREENWICH ROAD AND CENTRAL AVENUE
OVER AND ACROSS THE NORTH AND WEST LINES OF BLOCK 1, ARE HEREBY GRANTED TO THE
CITY OF WICHITA, PROVIDED HOWEVER THAT LOT 1, BLOCK 1 SHALL HAVE ACCESS TO
CENTRAL AVENUE AT (1) ONE LOCATION AND TO GREENWICH ROAD AT (1) ONE LOCATION;
THAT LOTS 2, 3, 6 AND 7 SHALL HAVE A JOINT ACCESS OPENING TO GREENWICH ROAD, AS
SHOWN, AND THAT LOTS 4 AND 5 SHALL HAVE ACCESS TO GREENWICH ROAD AT (1)
ONE LOCATION EACH; SAID LOCATIONS TO BE DETERMINED BY THE CITY ENGINEER OF THE
CITY OF WICHITA, KANSAS.

FOR ADDITIONAL INFORMATION AND SETBACK LINES, SEE C.U.P. DP-229 ON FILE AT THE
WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING DEPARTMENT, WICHITA, KANSAS.

OWNER: CANYON PROPERTIES, INC.

BY Jerry D. Jones
JERRY D. JONES, PRESIDENT

STATE OF KANSAS }
COUNTY OF SEDGWICK }

BE IT REMEMBERED ON THIS 24TH DAY OF JULY, 1998, BEFORE ME A NOTARY
PUBLIC IN AFORESAID STATE AND COUNTY CAME JERRY D. JONES, PRESIDENT OF
CANYON PROPERTIES, INC., AND TO ME PERSONALLY KNOWN TO BE THE SAME PERSON WHO
EXECUTED THE FOREGOING INSTRUMENT OF WRITING AND DULY ACKNOWLEDGED THE
EXECUTION OF SAME FOR AND ON BEHALF OF AND AS THE ACT AND DEED OF SAID COMPANY
IN TESTIMONY WHEREOF I HAVE HEREUNTO SET MY HAND AND AFFIXED MY NOTARIAL SEAL
THE DAY AND YEAR ABOVE WRITTEN.

Gay L. Wiley, NOTARY PUBLIC
Gay L. Wiley
MY COMMISSION EXPIRES 1-15-2001

WE, INTRUST BANK N.A., IN WICHITA, KANSAS, HOLDER OF A MORTGAGE ON THE ABOVE
DESCRIBED PROPERTY, DO HEREBY CONSENT TO THE PLATTING OF CANYON PROPERTIES
ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS.

BY: Roger G. Eastwood
ROGER G. EASTWOOD, SENIOR VICE PRESIDENT

STATE OF KANSAS }
COUNTY OF SEDGWICK }

BE IT REMEMBERED ON THIS 24TH DAY OF JULY, 1998, BEFORE ME A NOTARY
PUBLIC IN AFORESAID STATE AND COUNTY CAME ROGER G. EASTWOOD, SENIOR VICE-
PRESIDENT, INTRUST BANK, N.A., AND TO ME PERSONALLY KNOWN TO BE THE SAME
PERSON WHO EXECUTED THE FOREGOING INSTRUMENT OF WRITING AND DULY ACKNOWLEDGED
THE EXECUTION OF SAME FOR AND ON BEHALF OF AND AS THE ACT AND DEED OF SAID BANK
IN TESTIMONY WHEREOF I HAVE HEREUNTO SET MY HAND AND AFFIXED MY NOTARIAL SEAL THE
DAY AND YEAR ABOVE WRITTEN.

Gay L. Wiley, NOTARY PUBLIC
Gay L. Wiley
MY COMMISSION EXPIRES 1-15-2001

THIS PLAT HAS BEEN SUBMITTED TO AND APPROVED BY THE WICHITA-SEDGWICK COUNTY
METROPOLITAN AREA PLANNING COMMISSION, WICHITA, KANSAS. DATED THIS 25TH DAY
OF JULY, 1998.

Richard Lopez, CHAIRMAN
Richard Lopez
Marvin S. Krou, SECRETARY
Marvin S. Krou

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 AUGUST, 1998.

BY: Bob Knight, MAYOR
Bob Knight

Pat Burnett, CITY CLERK
Pat Burnett

ENTERED ON TRANSFER RECORD THIS 30TH DAY OF September, 1998.

James Alford, COUNTY CLERK
James Alford

THIS IS TO CERTIFY THAT THIS INSTRUMENT WAS FILED FOR RECORD IN THE REGISTER
OF DEEDS OFFICE AT 9:13 A.M., ON THIS 4TH DAY OF September, 1998.

Bill Meek, REGISTER OF DEEDS
Bill Meek
Shirley Higgins, DEPUTY
Shirley Higgins

1722853

14 08 01 08

PC 01 2