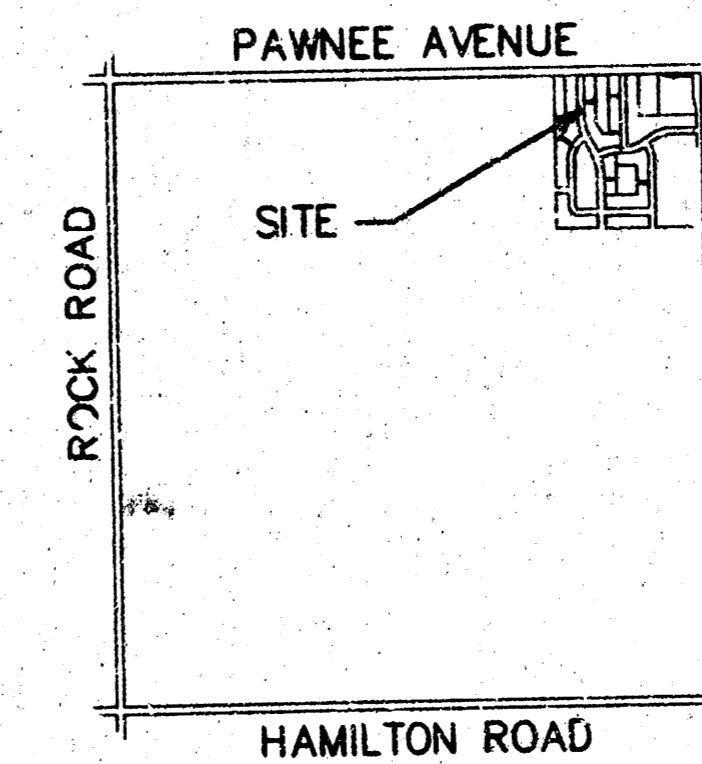
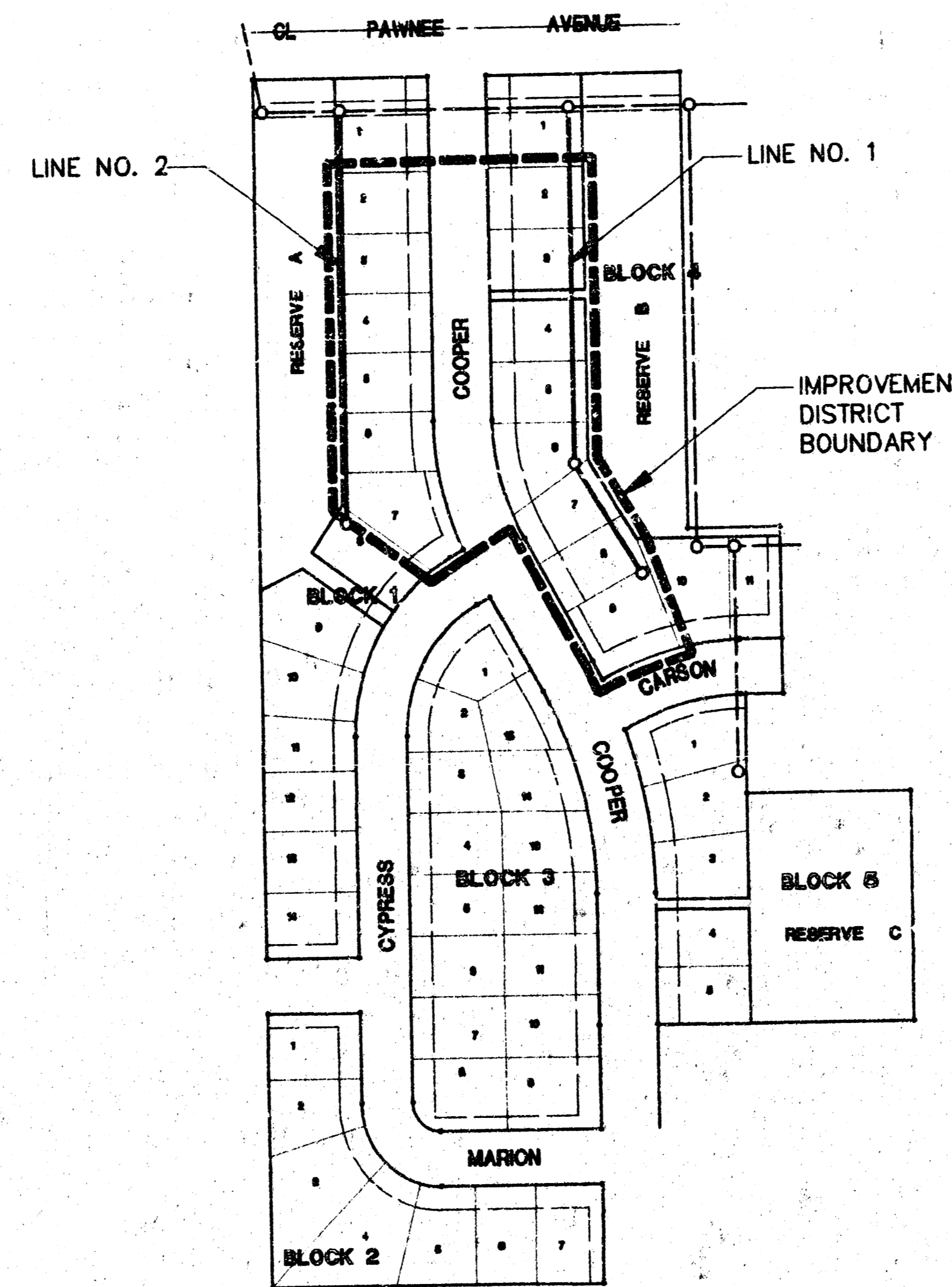


**CONSTRUCTION PLANS**  
 SANITARY SEWER EXTENSIONS  
**TURTLE RUN 3RD ADDITION**  
 TO  
**THE CITY OF WICHITA, KANSAS**  
**LATERAL 131, WAR INDUSTRIES SEWER**

MICHAEL E. LINDEBAK, P.E. — CITY ENGINEER  
 PROJECT NO. 468-82588  
 INDEX CODE 742809

**GENERAL NOTES:**

- Existing utility lines 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.
- The Contractor shall be responsible for maintaining continuous flow of sewage through construction. Contractor's proposed method for maintaining sewage flow shall be approved by the Engineer. Cost of maintaining flow of sewage through construction will not be paid for directly and this cost shall be considered as subsidiary to the other pay items of the work.
- 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 established by a licensed land surveyor in accordance with state laws.
- 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 the proposed new construction shall be saved and protected from damage.
- Temporary seeding (Rye Grass) shall be applied at a rate of 200 lbs. per acre at all disturbed areas.



LOCATION MAP  
No Scale

Scale 1" = 150'

**INDEX**

TITLE SHEET	SHEET 1
LINE NO. 1 & 2	SHEET 2
TYPE "P" MANHOLE	SHEET 3
TYPE "C" MANHOLE	SHEET 4
EASEMENT GRADING PLAN	SHEET 5
COORDINATE POINTS LIST	SHEET 6
TURTLE RUN 3RD ADDITION PLAT.	SHEET 7

**BENCH MARKS**

(U.S.G.S. Datum)

- 1" cut in concrete curb 2' N. of S. end of existing pavement in front of Lot 7, Block 2 Turtle Run 2nd Addition. Elev. 1324.79
- 1" cut in concrete curb 2' N. of S. end of existing pavement in front of Lot 5, Block 4 Turtle Run 2nd Addition. Elev. 1330.20
- 1" cut on headwall (SE corner S. headwall) 5'x5' RCB under approx. 1300' W. of NE. corner Sec. 5, 28S-2E. Elev. 1374.34
- 80d nail in 6" hackberry 15' S. of SE. corner of Lot 1, Block 5 Turtle Run 2nd Addition. Elev. 1328.79
- 40d nail in service pole approx. 1330' S. and W. of NE corner Sec. 5-28S-2E. Elev. 1382.09
- City of Wichita Std. BM disc at Webb & Pawnee. 53' S. and 47' W. of centerline of both. Elev. 1383.08

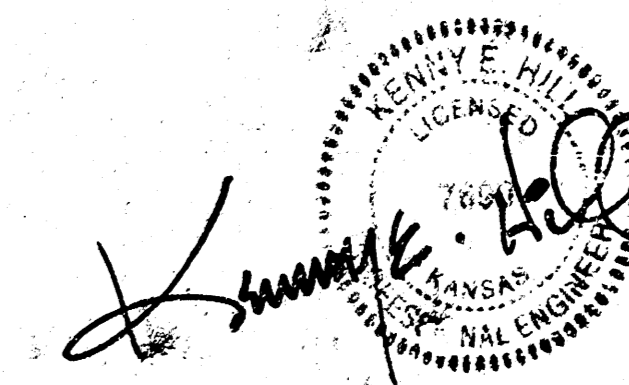
**AUGUST 1986**

PLANS PREPARED  
BY

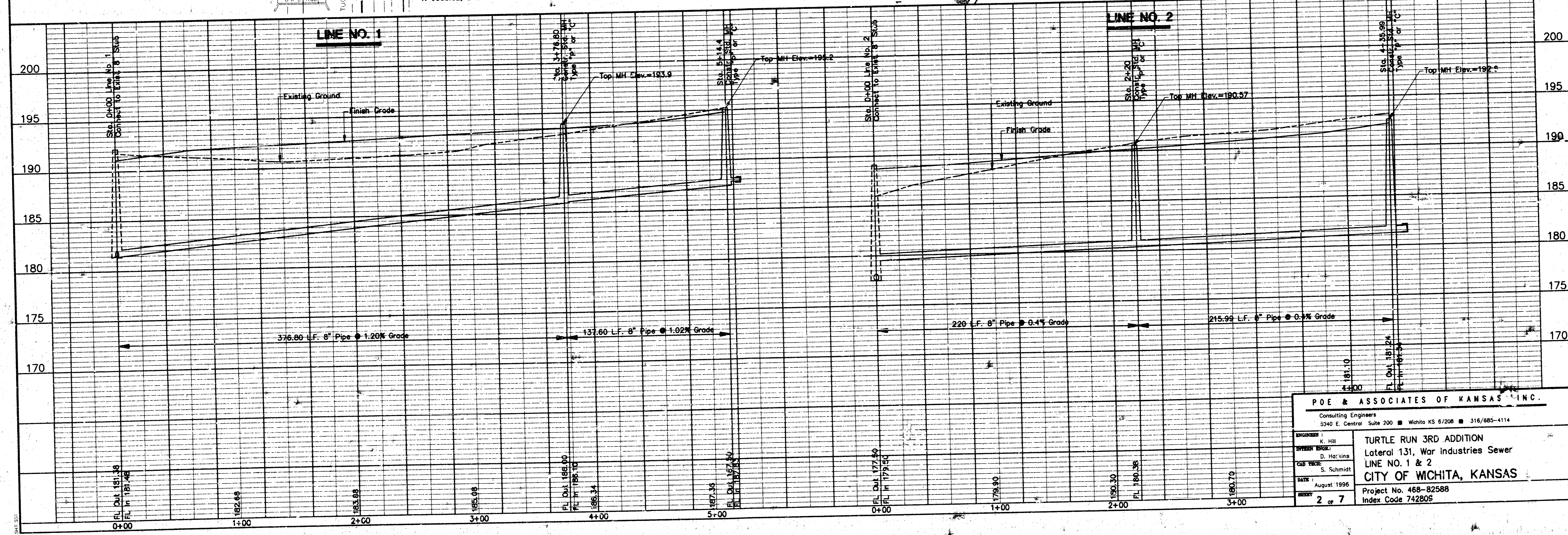
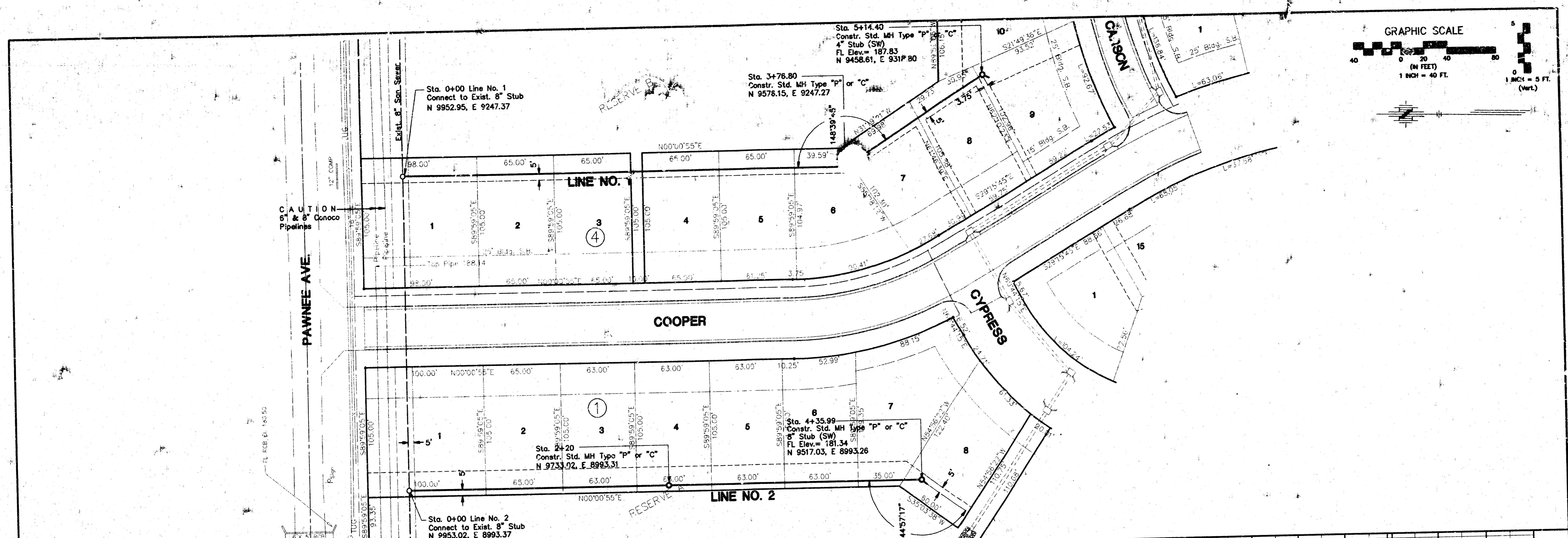
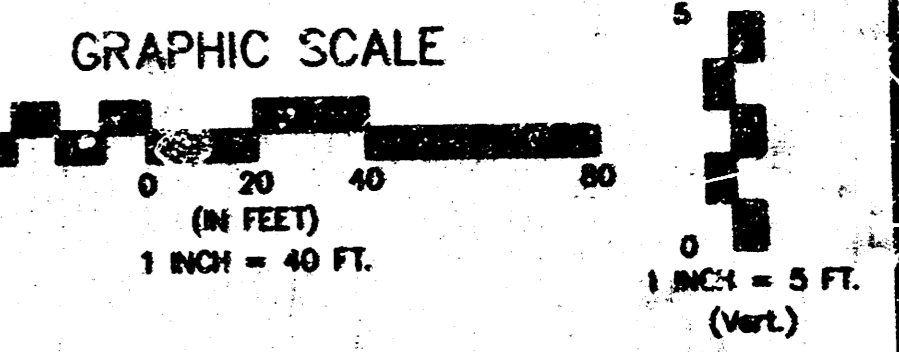


**POE & ASSOCIATES OF KANSAS, INC.**  
 CONSULTING ENGINEERS  
9942 E. Central, Suite 200 • Wichita, KS 67208 • 316/685-4114 • Fax 316/685-4444

*Booked  
6-12-97  
N-258  
RDL*



*9-12-96*



**POE & ASSOCIATES OF KANSAS, INC.**  
 Consulting Engineers  
 5340 E. Central Suite 200 ■ Wichita KS 67208 ■ 316/485-4114

**TURTLE RUN 3RD ADDITION**  
 Lateral 131, War Industries Sewer  
 LINE NO. 1 & 2  
**CITY OF WICHITA, KANSAS**  
 Project No. 468-82588  
 Index Code 742805

DATE: August 1996  
 SHEET: 2 of 7

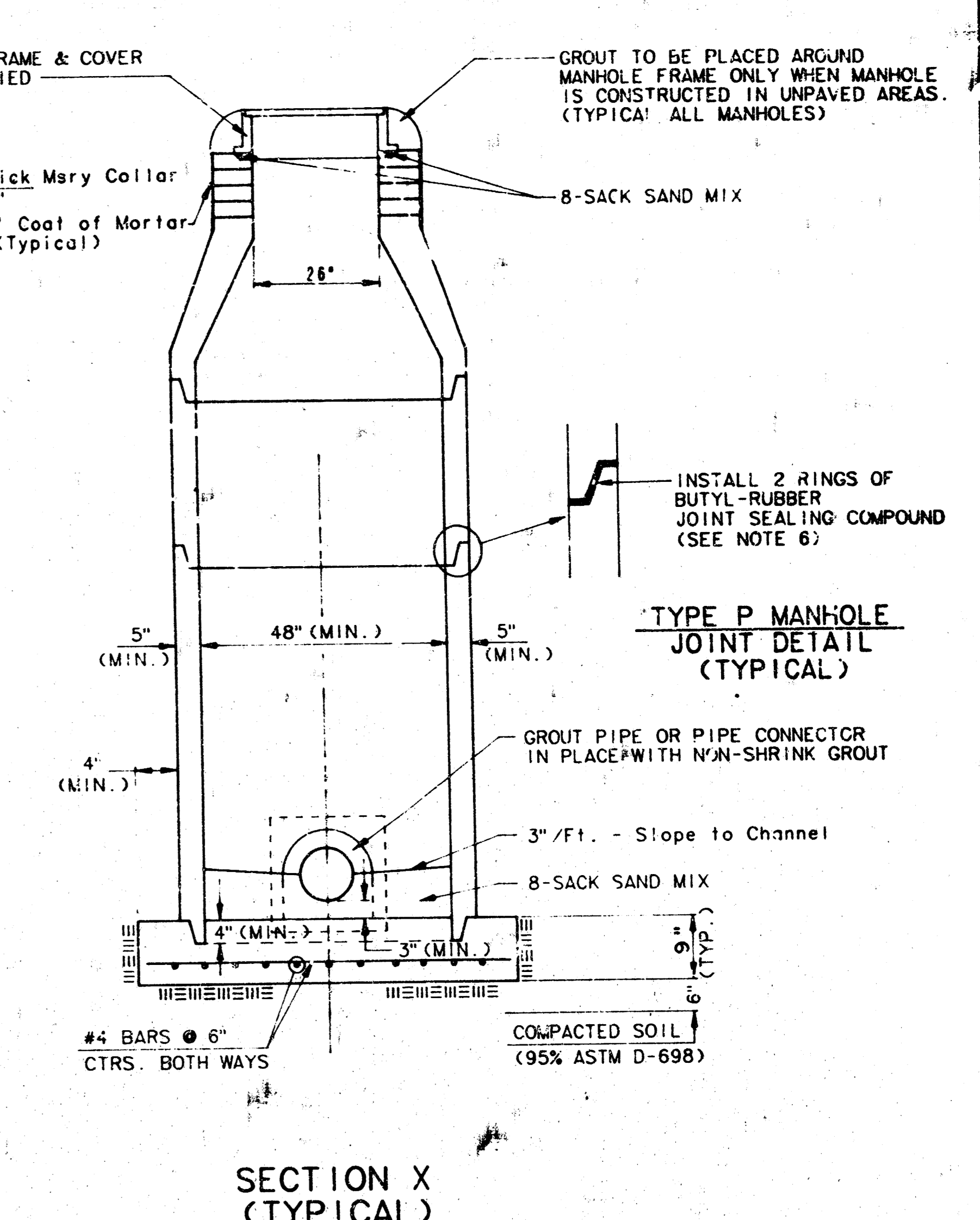
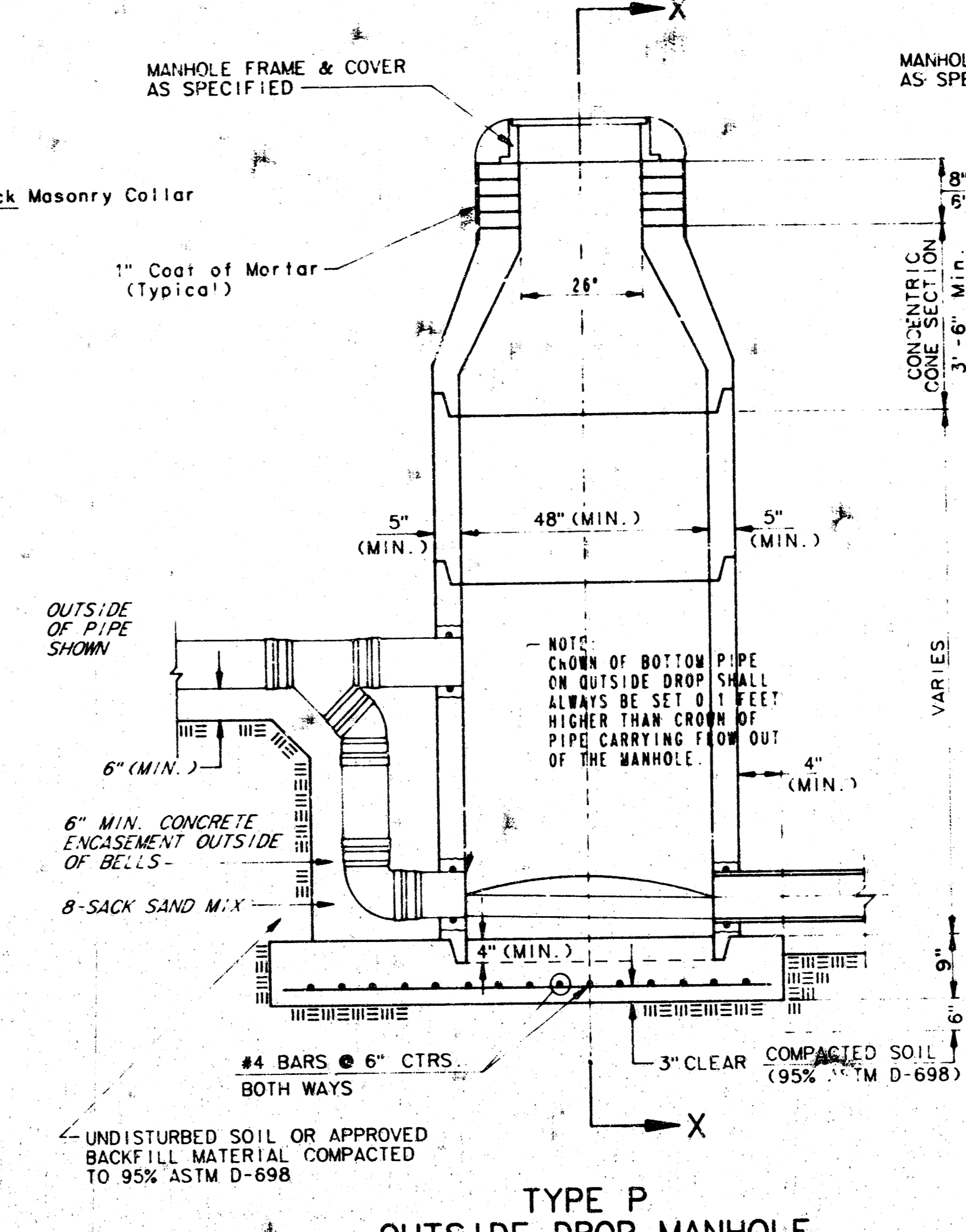
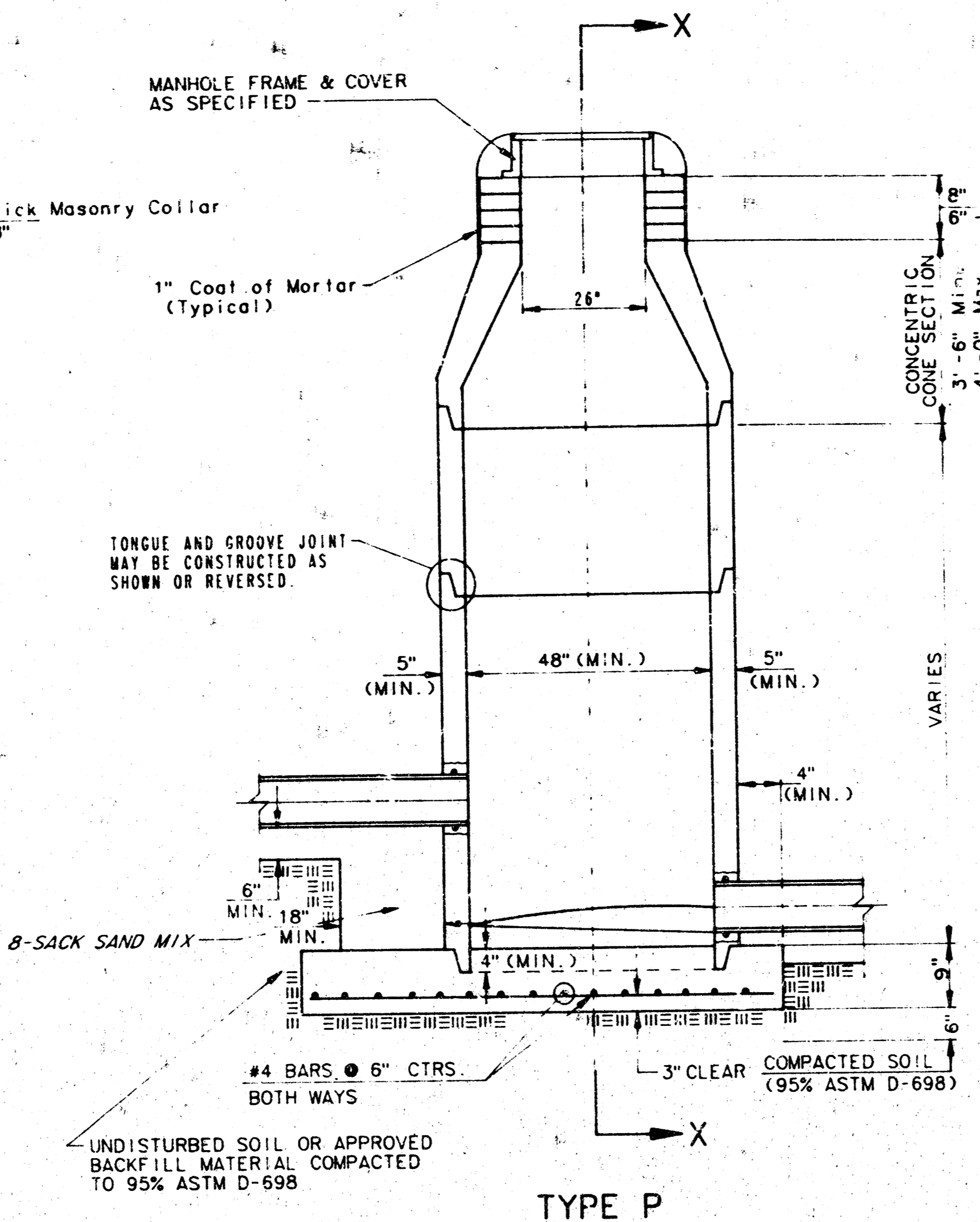
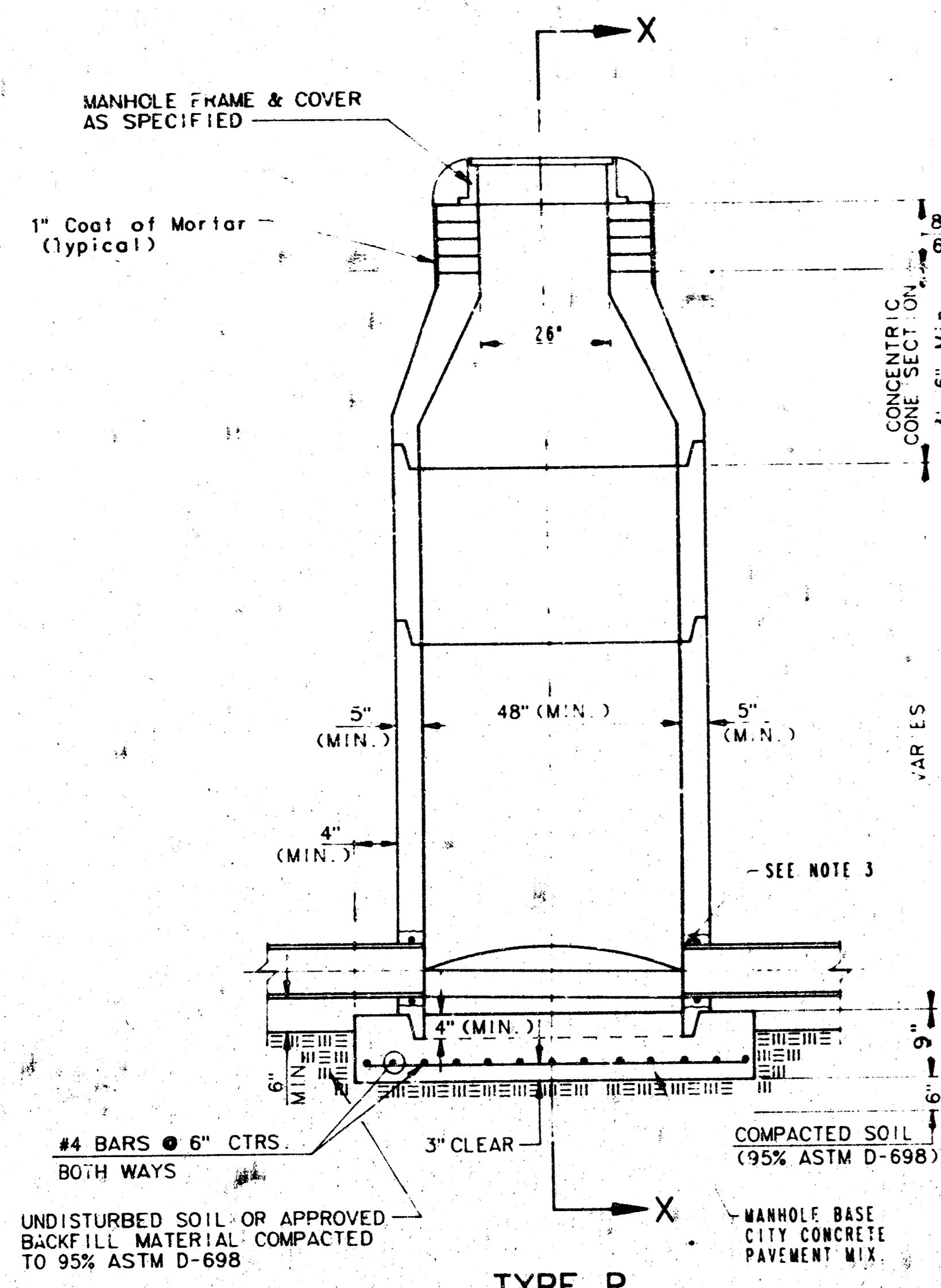
X:\APPS\DCAL\GSR\BASE Thu Sep 12 08:45:29 1996 JLS:lpbrt - Pte & Assoc.

# SEWER APPURTENANCES DETAILS

## ADOPTED AS STANDARD DESIGN

### BY

## CITY OF WICHITA



**TYPE P STANDARD MANHOLE**

**TYPE P INSIDE DROP MANHOLE**

**TYPE P OUTSIDE DROP MANHOLE**

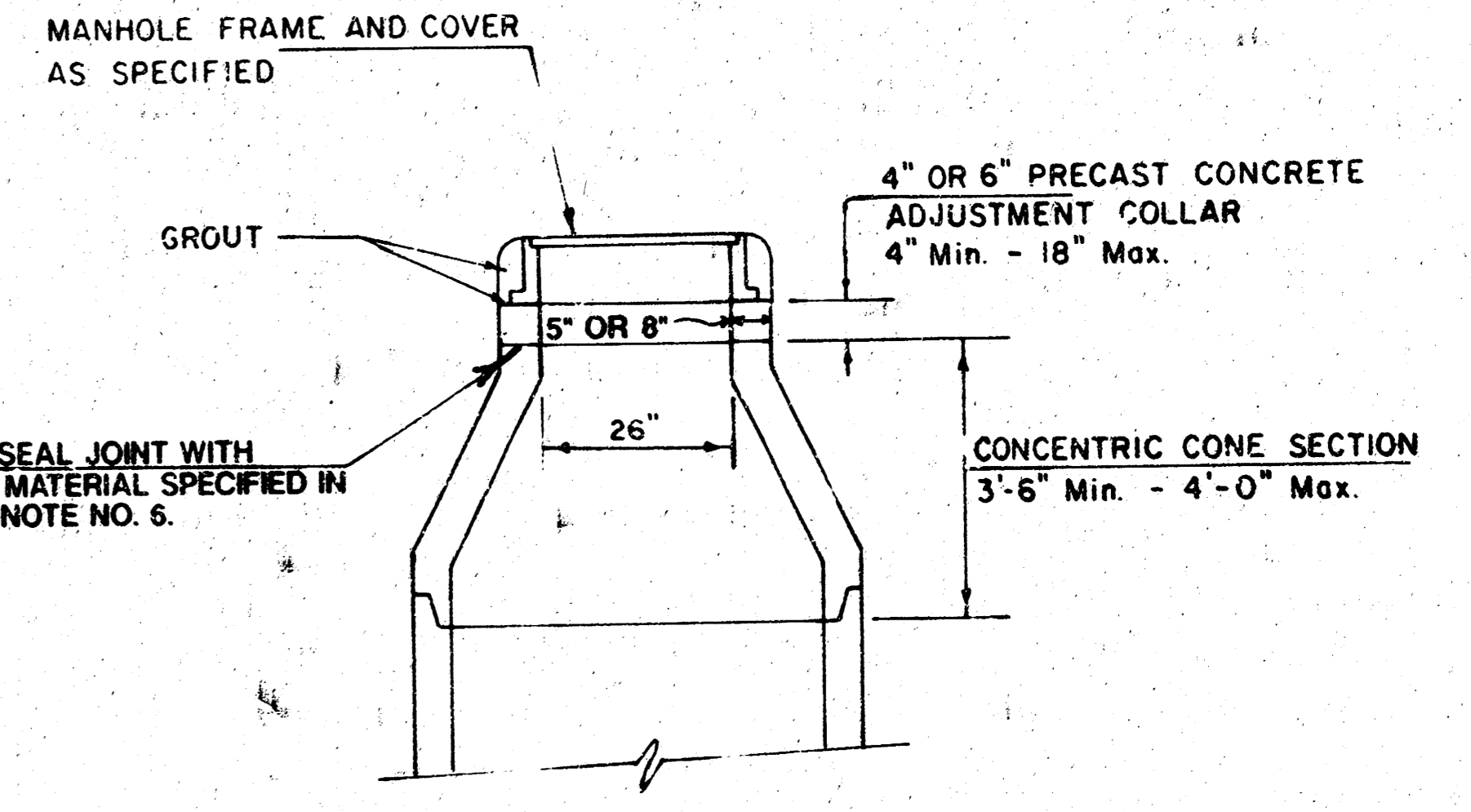
**SECTION X (TYPICAL)**

**GENERAL NOTES**

- PRECAST MANHOLE NOTES**
- ALL PRECAST CONCRETE MANHOLE SECTIONS SHALL CONFORM TO THE LATEST REVISION OF A.S.T.M. C478 AS MODIFIED BY THE SPECIFICATIONS.
  - NON-SHRINK GROUT SHALL BE NON-METALLIC TYPE.
  - APPROVED FLEXIBLE WATERSTOP GASKETS SHALL BE INSTALLED TO JOIN THE SEWER TO THE MANHOLE WALL WHEN A B.S. COMPOSITE PIPE OR P.V.C. PIPE IS USED. FOR OTHER TYPES OF PIPE THE SEWER SHALL BE GROUTED IN PLACE WITH NON-SHRINK GROUT. THE SEWER PIPE SHALL BE SUPPORTED WITH CONCRETE ENCASUREMENT A MINIMUM OF 3 FEET FROM THE MANHOLE WALL AND TO THE FIRST JOINT FOR P.V.C. SUCH THAT THE JOINT REMAINS FLEXIBLE.
  - ALL INSIDE SURFACES OF THE CONCRETE MANHOLE WHICH WOULD BE EXPOSED TO SEWER GAS SHALL BE COATED WITH 2 COATS INMEC SERIES 66 HI-BUILD EPOXYLINE, DRY THICKNESS OF 8 MILS (MIN.)
  - EXTERIOR MANHOLE WALLS SHALL BE COATED WITH 1 COAT MOBILARMA 633 BITUMINUS COATING.
  - JOINT SEALING COMPOUND SHALL BE KENT SEAL NO. 2 OR APPROVED EQUAL.
  - PRECAST MANHOLES SHALL BE SET AT LEAST 4 INCHES INTO THE MANHOLE BASE.
  - TOP OF MANHOLE FLOOR SLAB SHALL BE AT LEAST 3 INCHES BELOW THE FLOW LINE OF THE OUTLET PIPE TO INSURE SUFFICIENT MINIMUM THICKNESS OF SHAPED INVERT.
  - LIFTING HOLES SHALL BE FILLED WITH NON-SHRINK GROUT AND THE INTERIOR SURFACE COATED AS SPECIFIED.
  - 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 PAVEMENT MIX WITHOUT AIR ENTRAINING AD MIXTURE. MORTAR SHALL BE PLACED AROUND THE MANHOLE RING AS SHOWN ON THE DRAWINGS WHEN MANHOLES ARE CONSTRUCTED IN UNPAVED AREAS. 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 MANHOLE 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 AT LEAST 3" 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.
- OPENINGS SHALL BE CUT INTO THE MANHOLE WALL WHEN OUTSIDE DROPS ARE CONSTRUCTED ON EXISTING MANHOLES. SUCH OPENINGS CUT INTO EXISTING MANHOLES SHALL BE AS SMALL AS PRACTICAL TO FACILITATE INSTALLING AND GROUTING THE NEW PIPE IN PLACE. WATERSTOP GASKETS SHALL BE USED WITH P.V.C. AND A B.S. COMPOSITE PIPE. THE NEW PIPE SHALL BE GROUTED INTO THE OPENING USING AN APPROVED NONSHRINK GROUT TO THE FULL MANHOLE WALL THICKNESS. THE EXTERIOR OF THE COMPLETED CONNECTION SHALL BE SEALED WITH AN APPROVED BITUMINOUS COATING SUCH THAT THE CONNECTION WILL BE WATER TIGHT. FLOOR OF MANHOLE SHALL BE MODIFIED TO FORM NEW FLOW CHANNEL FOR THE NEW CONNECTION AS SHOWN BY THE DRAWING. THIS WORK, INCLUDING MODIFICATION OF MANHOLE FLOOR, SHALL BE PAID FOR AT THE UNIT PRICE BID FOR OUTSIDE DROP STACK CONSTRUCTED ON EXISTING 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 AN INLET PIPE 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 EXCEPT FOR INSIDE DROP MANHOLES. FLOW CHANNELS FOR INSIDE DROP MANHOLES SHALL BE CONSTRUCTED AS INDICATED BY THE DRAWING. 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 REAT 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 DRAWING.
- THE VERTICAL FREE FALL DROP INSIDE MANHOLES SHALL NOT EXCEED 2'. THE CROWNS OF INFLOWING PIPES SHALL NEVER BE SET LOWER THAN THE CROWN OF THE OUTFLOWING PIPE.
- STANDARD MANHOLES AND STANDARD INSIDE DROP MANHOLES SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED. OUTSIDE DROP MANHOLES SHALL BE BID AS STANDARD OUTSIDE DROP MANHOLES FOR THE TYPE AND DIAMETER INDICATED. ALL MANHOLE DIAMETERS WILL BE 4" UNLESS INDICATED OTHERWISE.
- A BRICK MASONRY COLLAR SHALL BE INSTALLED BETWEEN THE CAST IRON FRAME AND THE CONCENTRIC CONE. THE COLLAR WILL HAVE 8" WALLS AND A VERTICAL HEIGHT OF 6" MINIMUM AND 18" MAXIMUM. A 1" COAT OF MORTAR WILL BE PLASTERED ON THE OUTSIDE OF THE COLLAR.



TURTLE RUN, 3RD ADDITION  
 PROJECT NO. 468-82588  
 INDEX CODE 742809  
 SHEET 3 OF 7

REVISED NOV. 1993  
 NOTE NO. 16 REVISED JAN. 1991  
 Revised 3-21-87  
 Revised 8-10-88  
 Revised June 15, 1985

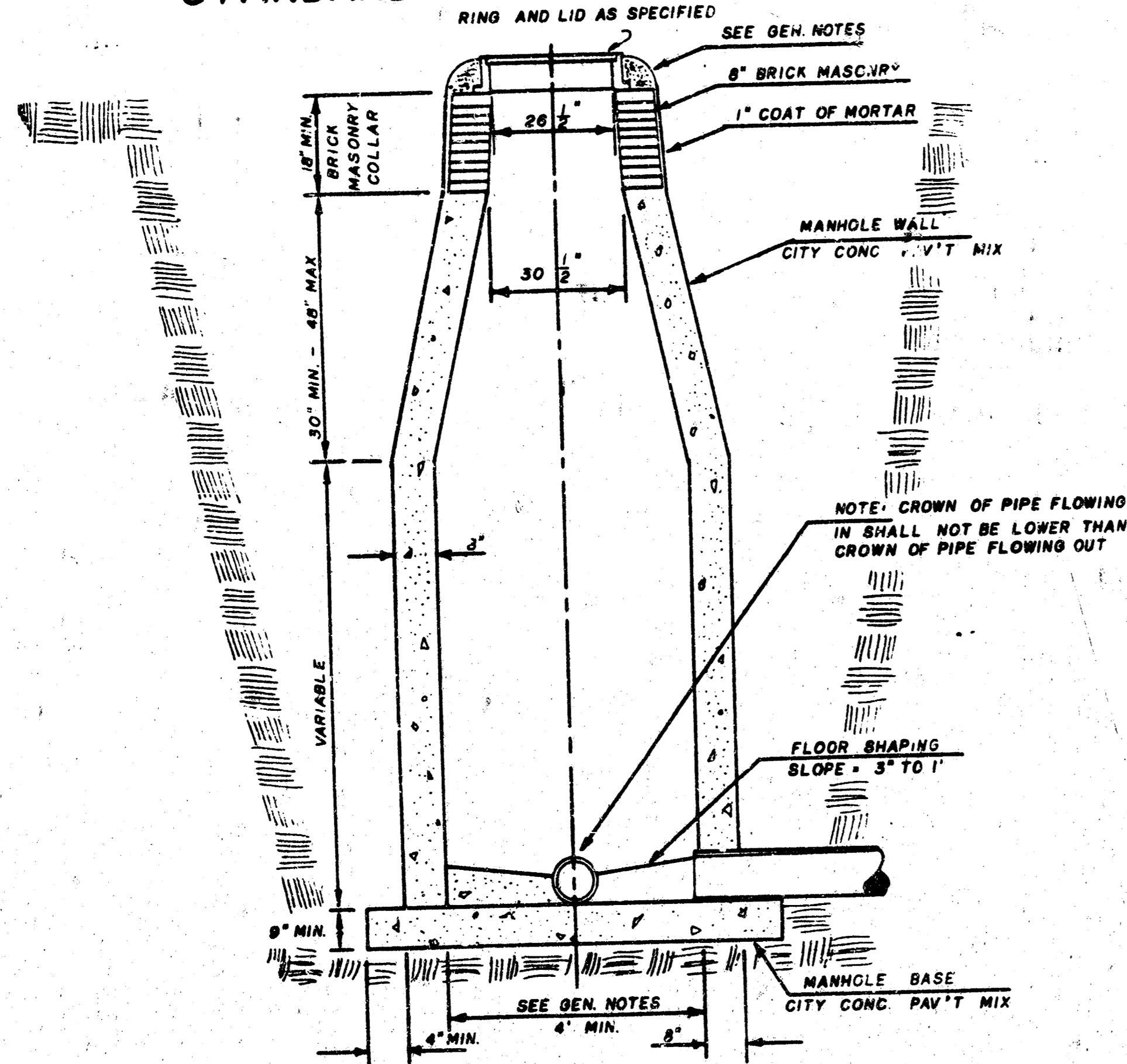
# SEWER APPURTENANCES DETAILS

ADOPTED AS STANDARD DESIGN

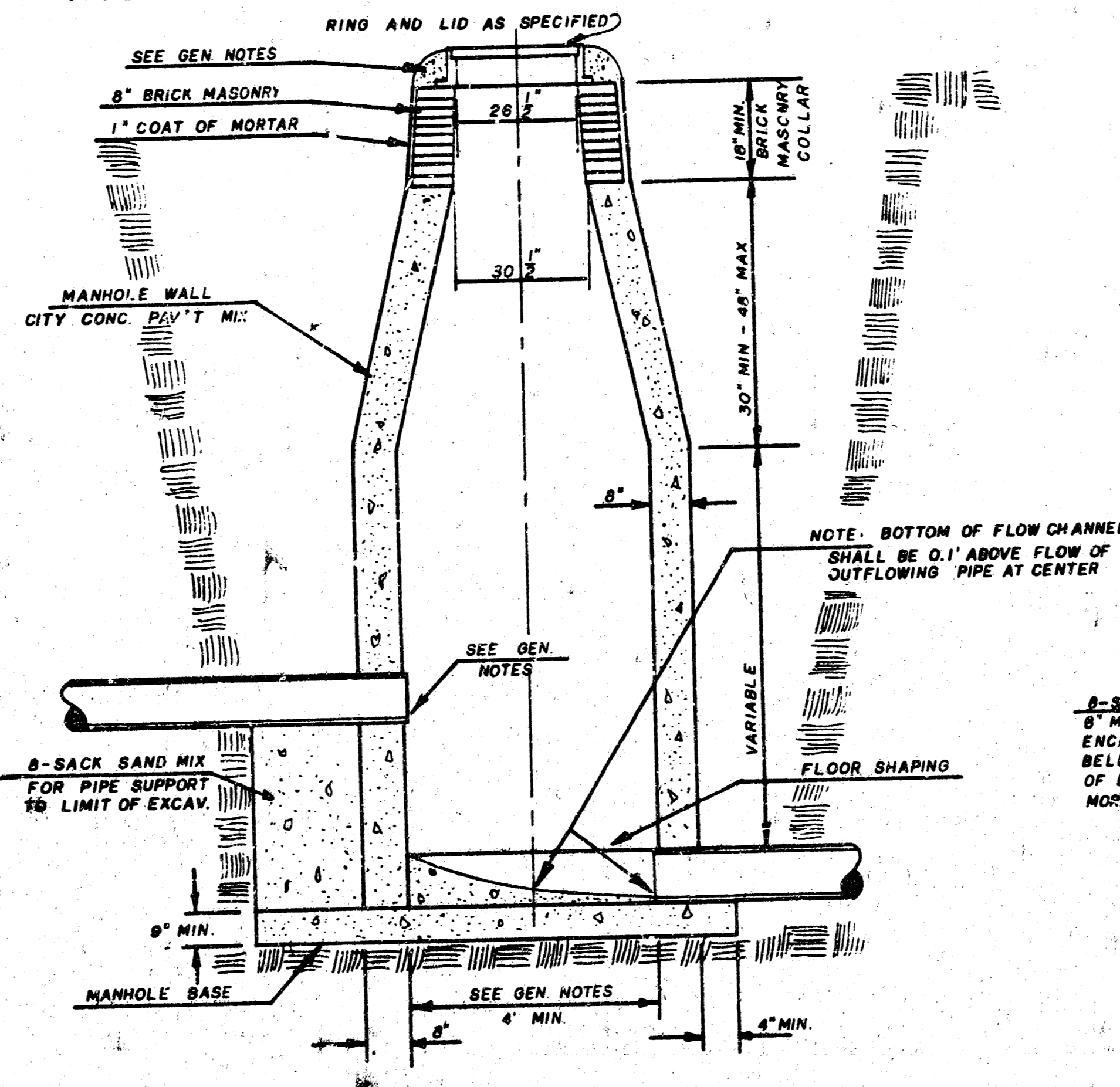
BY

City of Wichita, Kansas

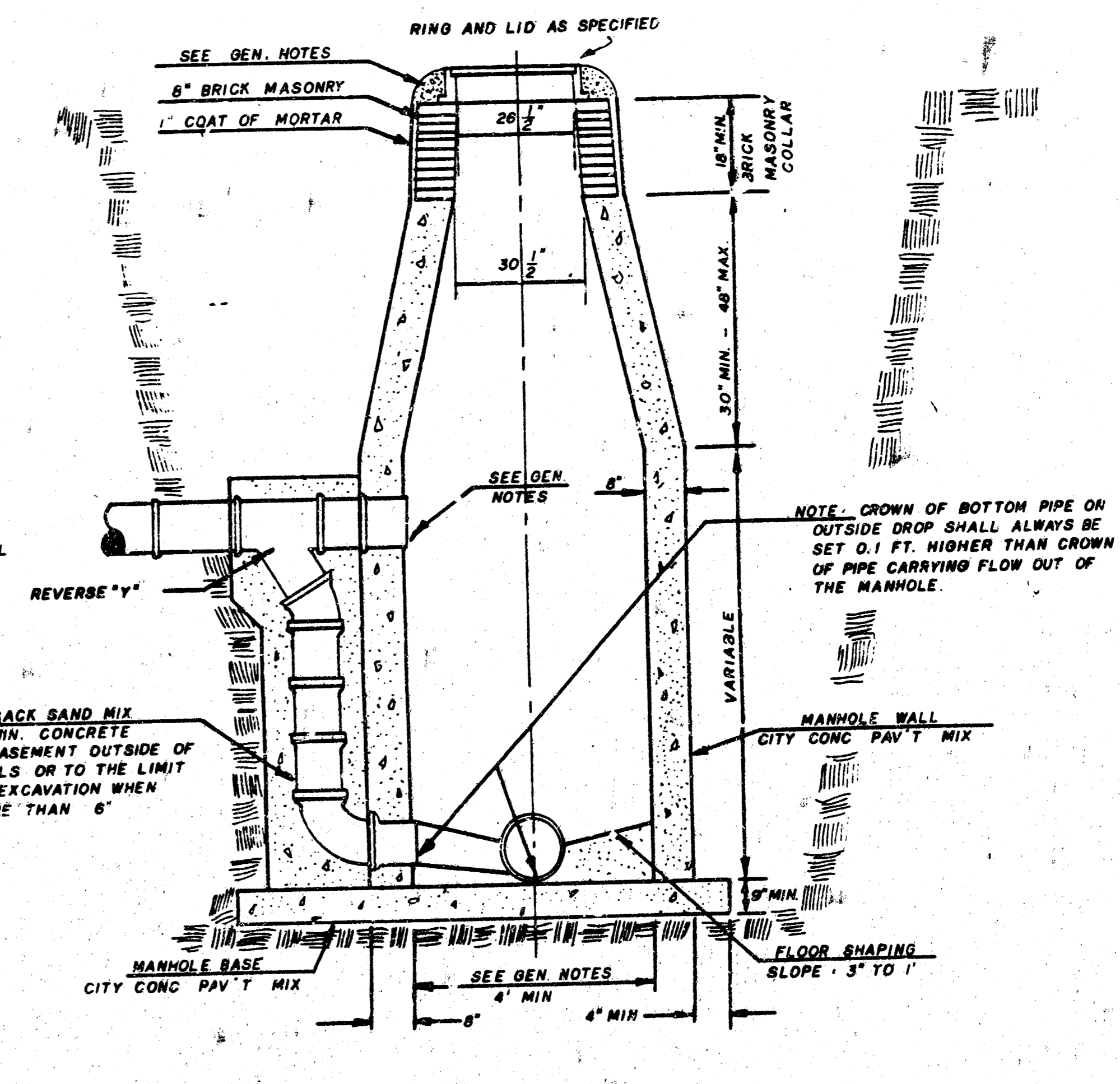
STANDARD MANHOLE TYPE "C"



INSIDE DROP MANHOLE TYPE "C"



OUTSIDE DROP MANHOLE TYPE "C"



GENERAL NOTES

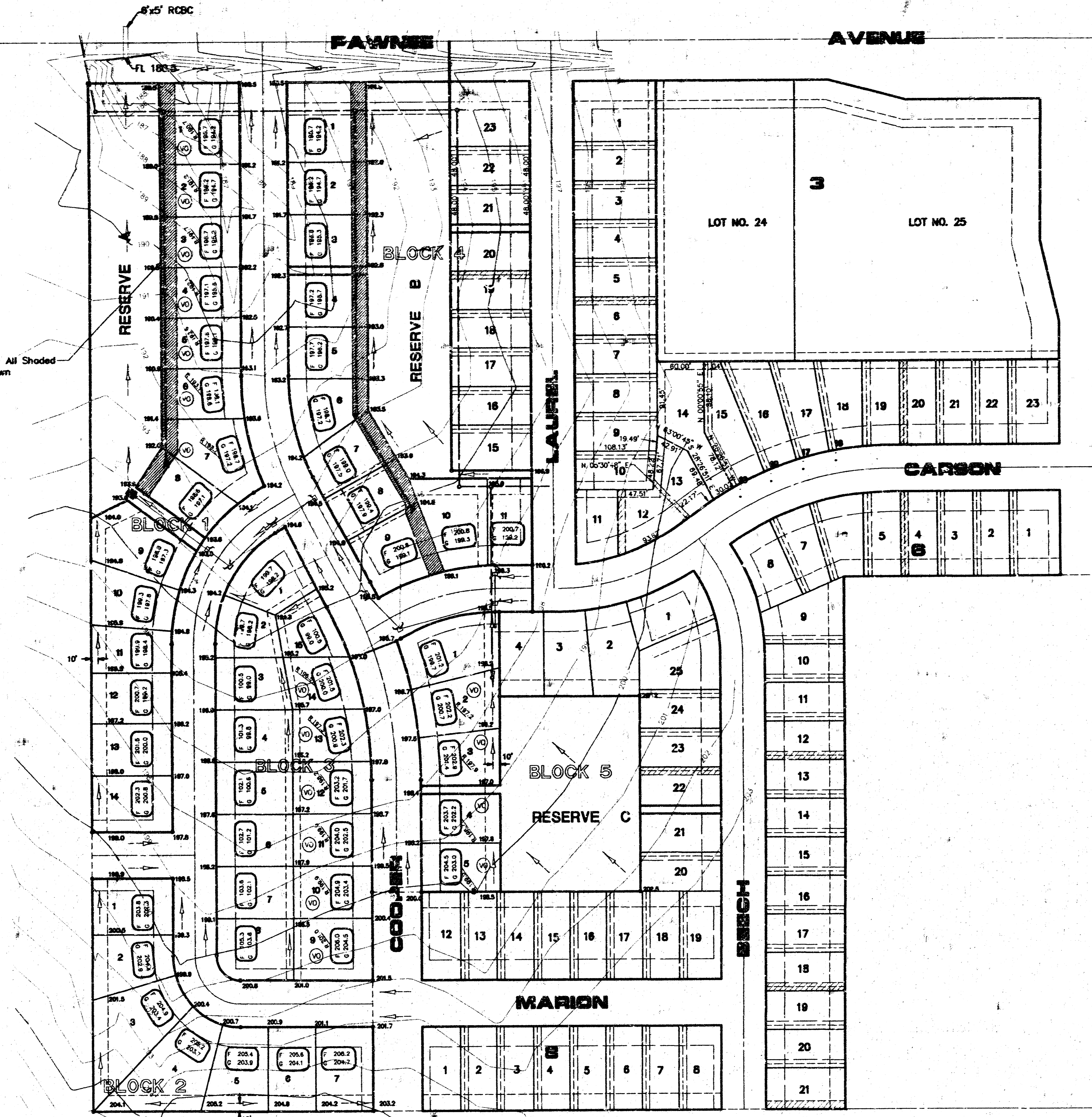
- MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD. CONCRETE USED IN MANHOLE WALLS AND BASES SHALL CONFORM TO THE REQUIREMENTS OF CONCRETE FOR CONCRETE PAVEMENT CONSTRUCTION AS SPECIFIED IN THE CITY STANDARD PAVING SPECIFICATIONS USING CITY CONCRETE PAVEMENT MIX WITHOUT AIR ENTRAINING ADMIXTURE. MORTAR SHALL BE PLACED AROUND THE MANHOLE RING AS SHOWN ON THE DRAWINGS WHEN MANHOLES ARE CONSTRUCTED IN UNPAVED AREAS. TYPE "C" MANHOLES CAN BE CONSTRUCTED ONLY WHERE PIPE SIZES ARE 8" OR SMALLER. THE INSIDE DIAMETER OF TYPE "C" MANHOLES SHALL BE 4". COMPLETED MANHOLE SHALL BE WITHOUT LEAKS AND WATER TIGHT.
- REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASE. REINFORCING STEEL SHALL CONSIST OF NO. 4 BARS PLACED ON 6" CENTERS IN BOTH DIRECTIONS. REINFORCING STEEL SHALL BE PLACED 6" ABOVE THE BOTTOM OF THE MANHOLE BASE. COST OF FURNISHING AND INSTALLING REINFORCING STEEL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.
- AN OPENING SHALL BE CUT IN THE MANHOLE WALL FOR THE UPPER INLET PIPE FOR INSIDE AND OUTSIDE DROP MANHOLES. THE UPPER INLET PIPE SHALL BE GROUTED INTO THIS OPENING WITH NON-SHrink GROUT. THE EXTERIOR OF THIS COMPLETED CONNECTION SHALL BE SEALED WITH AN APPROVED BITUMINOUS COATING SUCH THAT THE CONNECTION WILL BE WATER TIGHT.
- 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 EXCEPT FOR INSIDE DROP MANHOLES. FLOW CHANNELS FOR INSIDE DROP MANHOLES SHALL BE CONSTRUCTED AS INDICATED BY THE DRAWING. 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 CLAY PIPE JOINT. 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 DRAWING.
- THE VERTICAL FREE FALL INSIDE MANHOLE SHALL NOT EXCEED 2'. THE CROWNS OF INFLOWING PIPES SHALL NEVER BE SET LOWER THAN THE CROWN OF THE OUTFLOWING PIPE.
- STANDARD MANHOLES TYPE "C" AND STANDARD INSIDE DROP MANHOLES TYPE "C" SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED. OUTSIDE DROP MANHOLES TYPE "C" SHALL BE BID AS STANDARD OUTSIDE DROP MANHOLES FOR THE TYPE AND DIAMETER INDICATED. ALL MANHOLE DIAMETERS WILL BE 4' UNLESS INDICATED OTHERWISE.

TURTLE RUN 3RD ADDITION  
PROJECT NO. 468-82588  
INDEX CODE 742809  
SHEET 4 OF 7

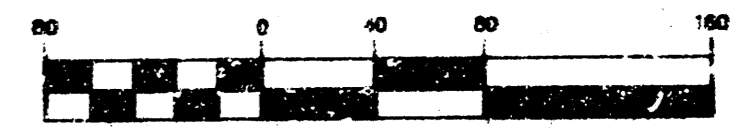
NOTE NO. 7 REVISED JAN. 1991

X:\APPROVALS\1996\BASE Thu Aug 8 14:36:22 1996 Steve Schaudt Ft. Assoc.

Sewer Contractor Shall Grade All Shaded Easements to Elevations Shown



GRAPHIC SCALE



**LEGEND**

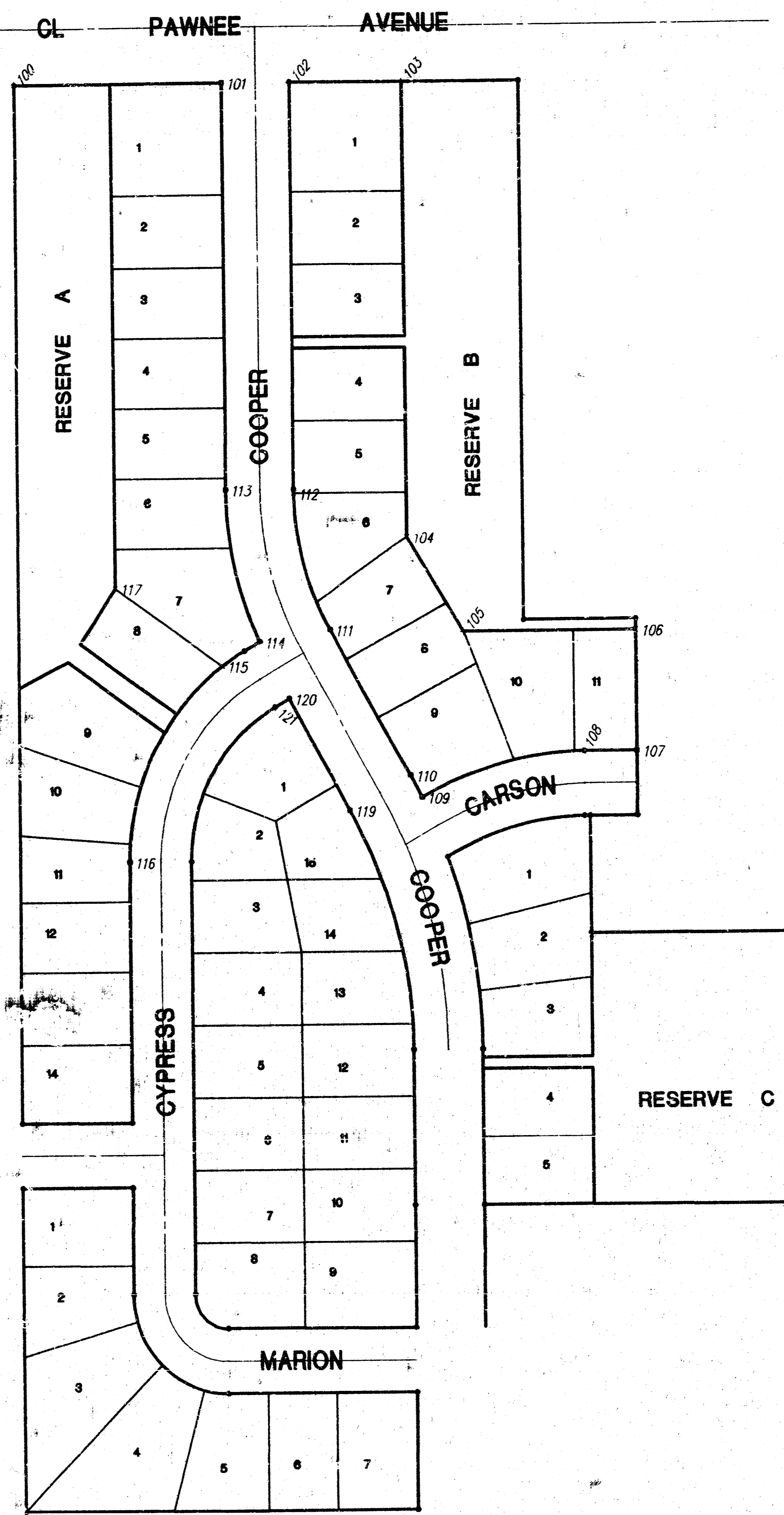
- G = GARAGE FLOOR ELEVATION
- F = TOP OF FOUNDATION WALL ELEVATION
- R = TOP OF REAR WALL ELEVATION (VIEW OUT)
- (V) = VIEW OUT

**BENCHMARKS**

- (City of Wichita Datum)
1. City of Wichita Std. BM disc at Webb & Fawnee. 53' S. & 47' W. centerline of both. Elev. 205.68
  2. "I" on headwall (SE corner South Headwall) 5'x 5' RCB under Powerline approximately 1300' W. of NE Corner Sec. 5-28S-2E. Elev. 186.94
  3. 40d nail in service pole approximately 1330' S. and 150' W. of NE Corner Sec. 5-28S-R2E. Elev. 204.69

<b>P.O.E. &amp; ASSOCIATES OF KANSAS, INC.</b>	
<small>Consulting Engineers 5940 E. Central Suite 200 ■ Wichita KS 67208 ■ 316/685-4114</small>	
<small>ENGINEER</small> K. Hill	<b>TURTLE HUN 3RD ADDITION</b> <b>Lateral 131, War Industries Sewer</b> <b>Easement Grading Plan</b> <b>CITY OF WICHITA, KANSAS</b>
<small>ENG. CHECK</small> D. Hawkins	
<small>CAD. CHECK</small> S. Schmitt	
<small>DATE</small> August 1996	<b>Project No. 46R-82588</b>
<small>SHEET</small> 5 of 7	<b>Index Code 742809</b>

F:\APRES\DCAP\BROWBASE Tue Aug 6 09:38:30 1996 Steve Schmidt: P&E & Assoc.

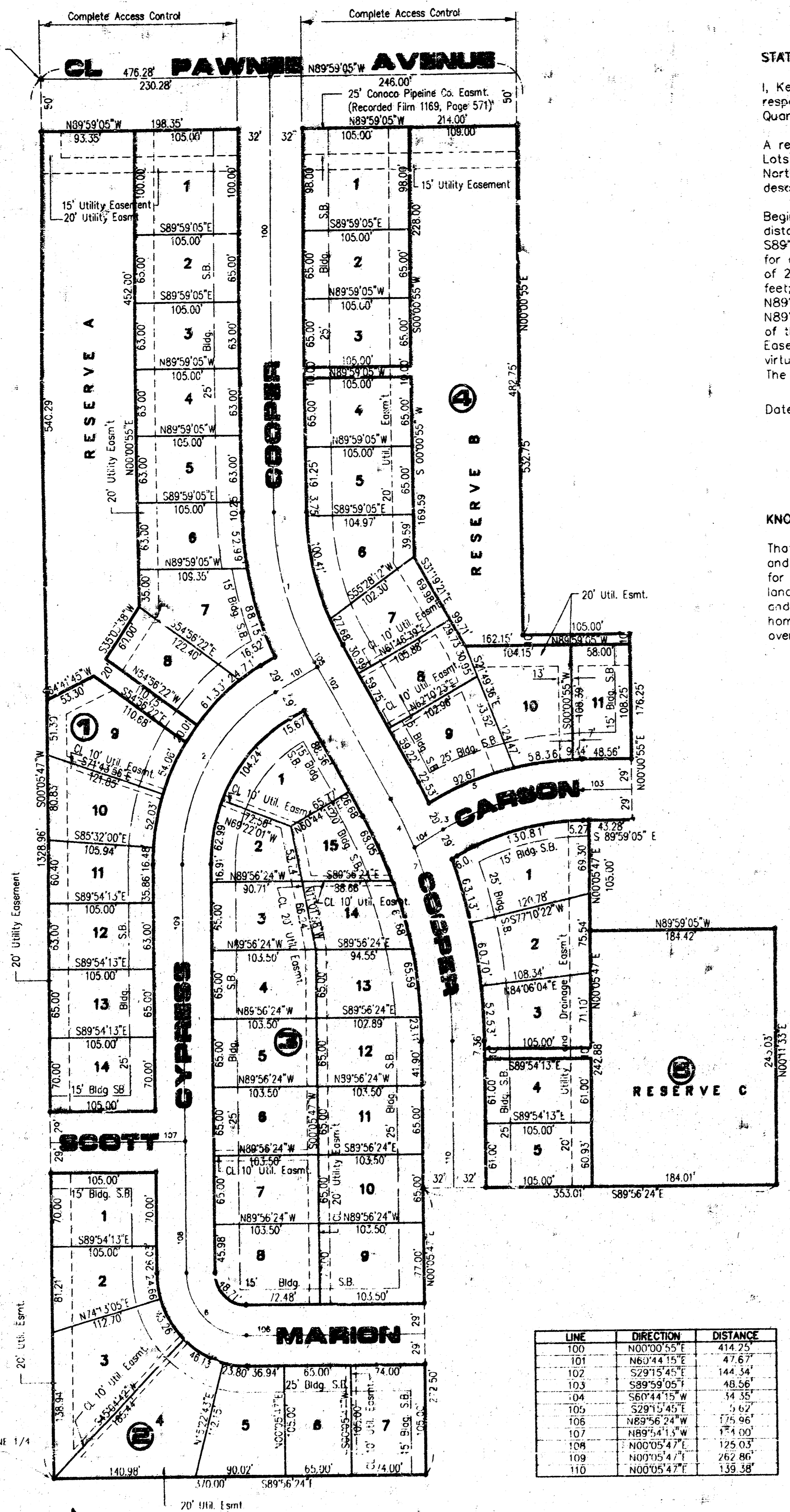


POINT #	NORTHING	EASTING
100	9988.05	8893.03
101	9987.99	9093.38
102	9987.98	9157.38
103	9987.95	9262.38
104	9580.36	9262.27
105	9495.18	9314.10
106	9495.14	9476.25
107	9386.83	9476.22
108	9386.91	9427.66
109	9346.83	9274.08
110	9356.72	9263.51
111	9497.55	9190.21
112	9619.98	9157.31
113	9623.74	9093.28
114	9487.07	9123.69
115	9465.71	9058.45
116	9290.52	8938.66
117	9336.02	8988.26
119	9335.44	9207.68
120	9436.06	9151.30
121	9428.40	9137.62

<b>POE &amp; ASSOCIATES OF KANSAS, INC.</b> Consulting Engineers 6940 E. Central, Suite 209 ■ Wichita, KS 67208 ■ 316/685-4114	
ENGINEER: K. Hill	<b>TURTLE RUN 3RD ADDITION</b> <b>LATERAL 131, WAR INDUSTRIES SEWER</b> <b>COORDINATE POINTS LIST</b> <b>CITY OF WICHITA, KANSAS</b>
ENG. CHECK: D. Hopkins	<b>Project No. 468-82588</b> <b>Index Code 742809</b>
CAD TECH: S. Schmidt	
DATE: August 1996	
SHEET: <b>6</b> of <b>7</b>	

NW Cor., NE 1/4, NE 1/4  
Sec. 5, T28S, R2E

Scale 1" = 60'



LINE	DIRECTION	DISTANCE
100	N00°00'55"E	414.25'
101	N89°59'05"E	476.28'
102	S29°15'45"E	144.54'
103	S89°59'05"E	40.56'
104	S60°44'15"W	14.35'
105	S29°15'45"E	7.62'
106	N89°56'24"W	174.96'
107	N89°54'13"E	174.90'
108	N00°05'47"E	125.03'
109	N07°05'47"E	262.86'
110	N00°05'47"E	138.58'

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
1	790.00'	148.19'	75.75'	148.58'	S14°57'25"E	2918.40'
2	187.00'	197.92'	109.36'	188.81'	S30°22'01"W	6038.26'
3	285.00'	145.63'	74.44'	144.09'	S75°22'35"W	2918.40'
4	470.00'	51.82'	27.84'	51.60'	N26°05'5"W	1861.75'
5	314.00'	160.47'	82.03'	158.73'	S75°22'38"W	2918.55'
6	60.00'	94.29'	60.04'	84.88'	S44°53'18"E	8919.11'
7	470.00'	169.21'	85.90'	187.93'	N11°26'11"W	2333.52'

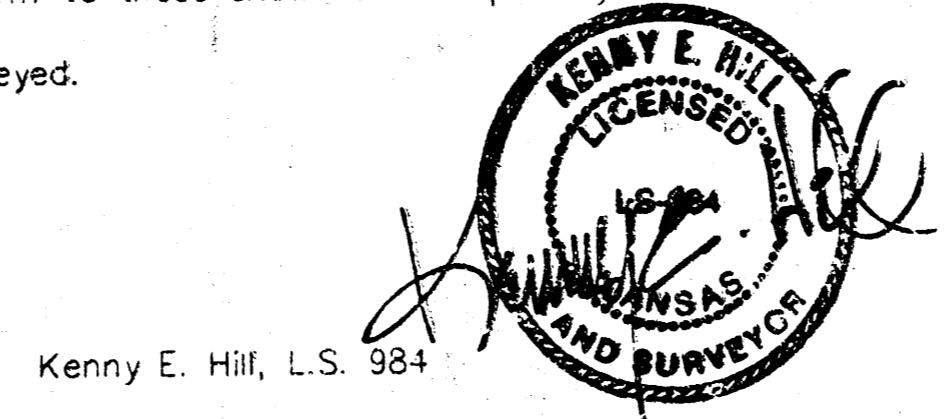
STATE OF KANSAS, COUNTY OF SEDGWICK: ss.

I, Kenny E. Hill, being a duly licensed Land Surveyor in said County and State, do hereby certify that I have been in responsible charge of surveying and plating "TURTLE RUN THIRD ADDITION" to Wichita, Kansas, located in the Northeast Quarter of Section 5, Township 28 South, Range 2 East of the 6th P.M. Sedgwick County, Kansas being described as follows:

A replat of Lots 1 through 18, Block 1; Lots 1 through 14, Block 2; Lots 1 through 20, Block 4; Lots 5 through 11, Block 5; Lots 1 through 14, Block 7; and Reserves A, B, and C, Cottage Gardens Addition to Wichita, Kansas located in the Northeast Quarter of Section 5, Township 28 South, Range 2 East of the 6th P.M. Sedgwick County, Kansas; more particularly described as follows:

Beginning at the Northwest Corner of the Northeast Quarter of said Northeast Quarter, thence S66°05'47"W for a distance of 1328.96 feet to the Southwest Corner of the Northeast Quarter of said Northeast Quarter; thence S89°56'24"E along the South line of Cottage Gardens Addition for a distance of 370.00 feet; thence N00°05'47"E for a distance of 272.50 feet; thence S89°56'24"E for a distance of 353.01 feet; thence N00°11'33"E for a distance of 105.00 feet; thence N89°59'05"W for a distance of 43.28 feet; thence N00°05'47"E for a distance of 105.00 feet; thence N89°59'05"W for a distance of 105.00 feet; thence N00°00'55"E for a distance of 176.25 feet; thence N89°59'05"W for a distance of 43.28 feet; thence N00°00'55"E for a distance of 532.75 feet; thence N89°59'05"W along the North line of the Northeast Quarter of the Northeast Quarter of Sec. 5, Township 28 South, Range 2 East of the 6th P.M. Sedgwick County, Kansas, for a distance of 476.28 feet to the point of beginning. Easements and other public reservations are hereby vacated to conform to those shown on this plat by virtue of KSA 12-512(b) as amended. The accompanying plat is a true and correct exhibit of property surveyed.

Dated this 5th day of March, 1996.



KNOW ALL MEN BY THESE PRESENTS:

That we, the undersigned, have caused the land described in the Surveyor's Certificate to be platted into lots, blocks, streets and reserves. The streets are hereby dedicated to and for the use of the public. Easements are hereby granted as indicated for the construction and maintenance of drainage and utilities. Reserves A, B, and C shall permit lighting, drainage, landscaping, utilities, sidewalks, fencing, recreation facilities, irrigation systems and open space. All reserves are to be owned and maintained by a property owners association its successors and assigns. The minimum low opening elevation for the homes built in this addition shall be 190.0 (City of Wichita Datum). All abutters' rights of access to or from Pawnee Avenue over and across the North line of Reserve A and B, Lot 1, Block 1, and Lot 1, Block 4 are hereby granted to the City of Wichita.

Pawnee, Development, Inc.  
Devoe Treadwell, President  
Thea Treadwell, Secretary

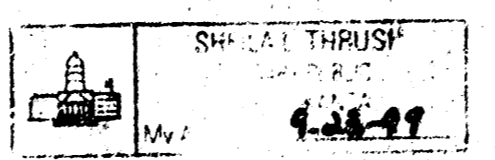
KNOW ALL MEN BY THESE PRESENTS:

That we, Bank IV, N.A., holders of a mortgage on the property described in the Surveyor's Certificate, do hereby consent to the plat of Turtle Run 3rd Addition.

Thomas J. McGrath, Assistant Vice-President

STATE OF KANSAS, COUNTY OF SEDGWICK: ss.

This instrument was acknowledged before me on this 5th day of March, 1996, for Bank IV, N.A. by Thomas J. McGrath, Assistant Vice President.

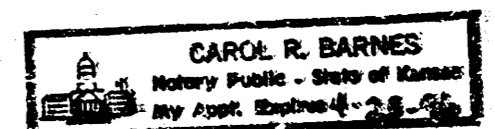


My appointment expires: Sept. 28, 1999

STATE OF KANSAS, COUNTY OF SEDGWICK: ss.

This instrument was acknowledged before me on this 11th day of March, 1996, for Pawnee Development, Inc. by Devoe Treadwell, President and Thea Treadwell, Secretary.

Notary Public  
CAROL R. BARNES



My Appointment Expires:

This plat of TURTLE RUN 3RD ADDITION to Wichita, Kansas has been submitted to and approved by this WICHITA-SEDOGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION, Wichita, Kansas.

Dated this 31st day of August, 1995

WICHITA SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION

Susan Osborne - Howes, Chairman

Mervin S. Kroat, Secretary

This plat approved and all dedications shown hereon accepted by the City Council of the City of Wichita, Kansas, this 2nd day of APRIL, 1996.

Bob Knight, Mayor

Pat Burnett, Deputy City Clerk

Entered on transfer record this 21th day of June, 1996.

#1537766

This is to certify that this instrument was filed for record in the Register of Deeds Office at 10:00 A.M. on the 28th day of JUNE, 1996.

Pat Kettler, Register of Deeds

Diana Manheimer, Deputy

Benchmarks

- City of Wichita Std. B.M. disc at Webb & Pawnee. 53' S. & 47' W. centerline of both. Elev. 205.68
- "□" on headwall (SE corner South Headwall) 5' x 5' RCB under Pawnee approximately 1300' W. of NE Corner Sec. 5-28S-2E. Elev. 186.94
- 40d nail in service pole approximately 1330' S. and 150' W. of NE Corner Sec. 5-28S-R2E. Elev. 204.69

# TURTLE RUN 3RD ADDITION

## TO WICHITA - SEDGWICK COUNTY, KANSAS

PROJECT NO. 468-82588  
INDEX CODE 742809  
SHEET 7 OF 7