STORM WATER SEWER NO. 198

IN JAMESBURG PARK ADDITION

GENERAL NOTES

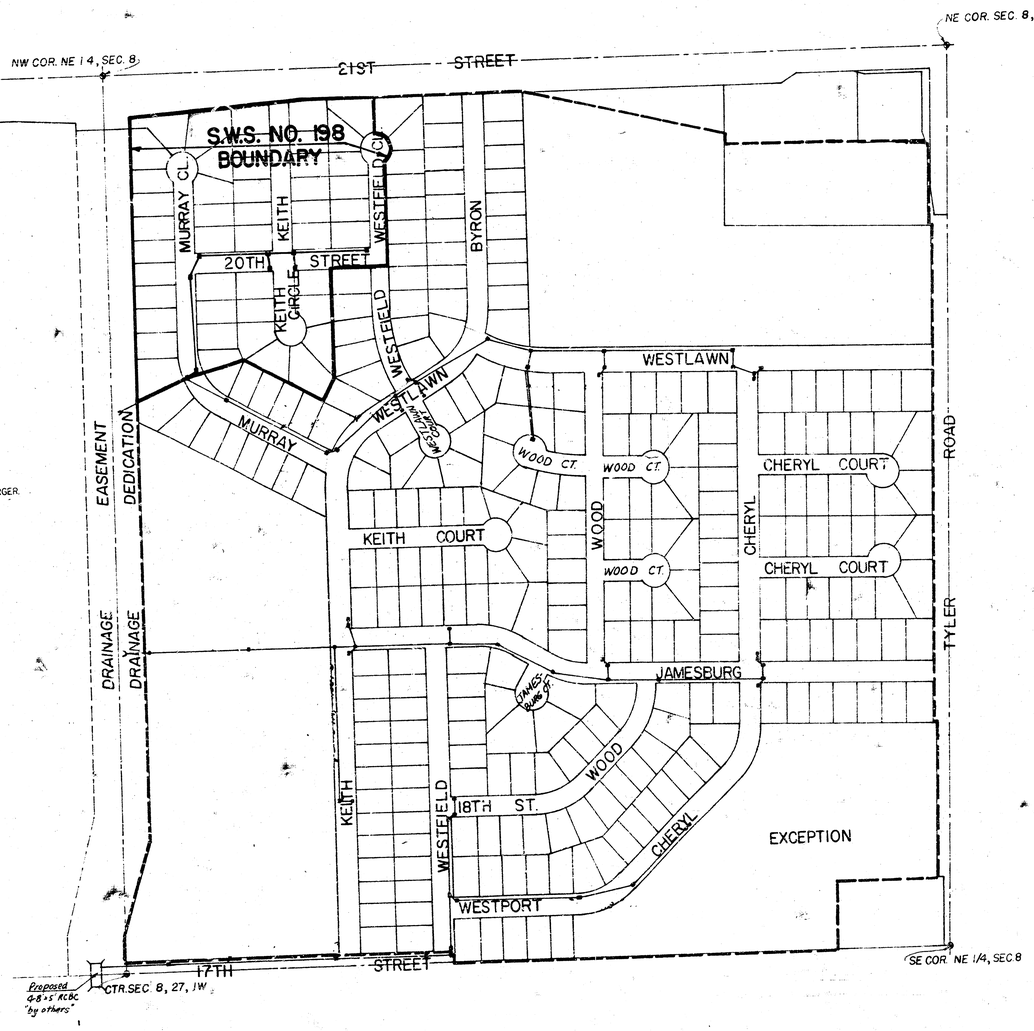
1) CONTRACTOR SHALL COORDINATE WORK WITH PAVING AND SANITARY CONTRACTORS, AND CONTACT RELEVANT UTILITY COMPANIES AND OTHER AGENCIES INVOLVED WITH THIS PROJECT.

2) FIELD ENGINEER SHALL TAKE TIES TO ALL IRONS AND THIMBLES IN THE PROJECT AREA BEFORE CONSTRUCTION BEGINS. FIELD ENGINEER SHALL REPLACE ALL SUCH IRONS AND THIMBLES DISTURBED DURING CONSTRUCTION.

3) THE TOPS OF INLETS AND MANHOLES AS NOTED ON THE PLANS MAY VARY SO AS TO MEET PROPOSED TOP OF CURB ELEVATIONS OR PAVEMENT ELEVATIONS. THE FIELD ENGINEER SHALL LOCATE INLETS AND MANHOLES WITH REFERENCE TO PROPOSED PAVING PLANS OF THE PERTINENT STREETS.

5) CONTRACTOR SHALL AVOID UNCOVERING EXISTING WATERLINES UNLESS ABSOLUTELY NECESSARY. UNCOVERING SHALL BE DONE ONLY IN THE PRESENCE OF A WATER DEPARTMENT ENGINEER.

7) THE INSIDE OF THE METAL PIPE SHALL BE FULLY PAVED FOR PIPE SIZES OF 24" AND LARGER.



N

Scale: 1"=200'

R.W. BRUGGEMAN, DIRECTOR OF THE DEPARTMENT OF ENGINEERING / CITY ENGINEER

CITY OF WICHITA, KANSAS

PROJECT NO. 468 76 245 80984 000 000 001

DATE: _____

LICENSED 8206 KANSAS PROFESSIONAL ENGINEER

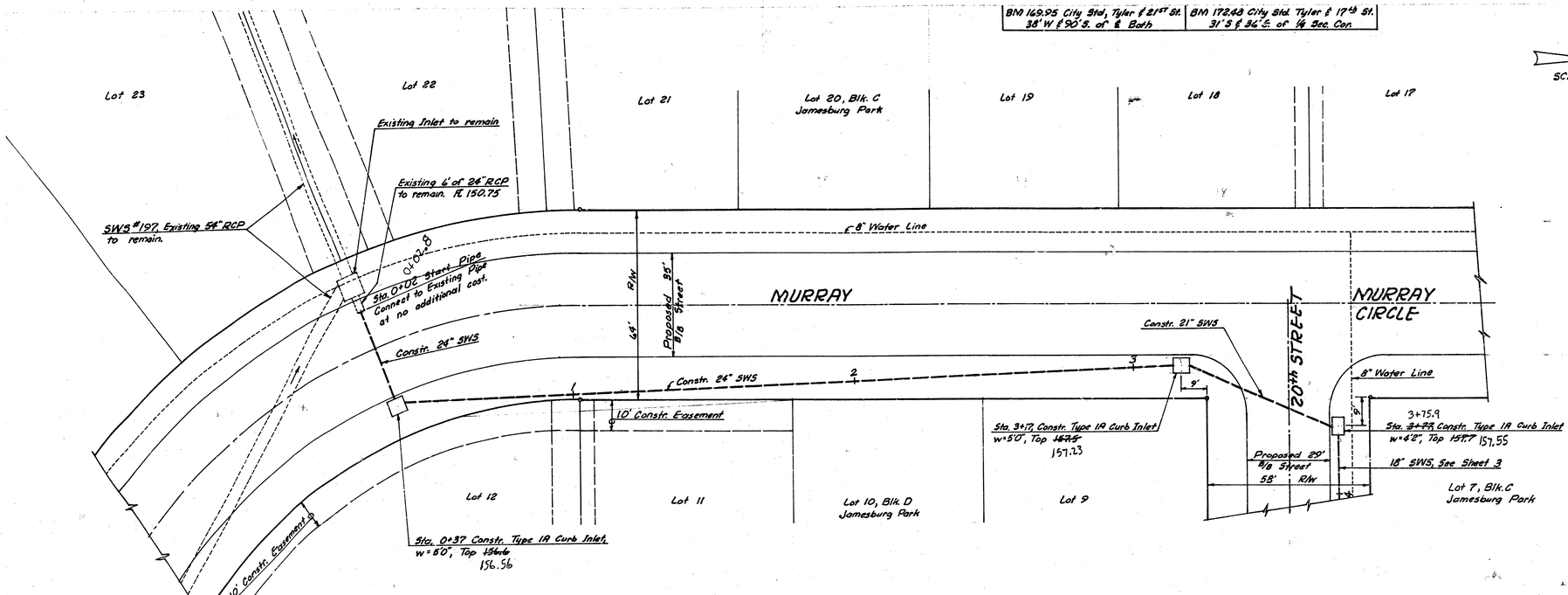
As Built 8/30/83

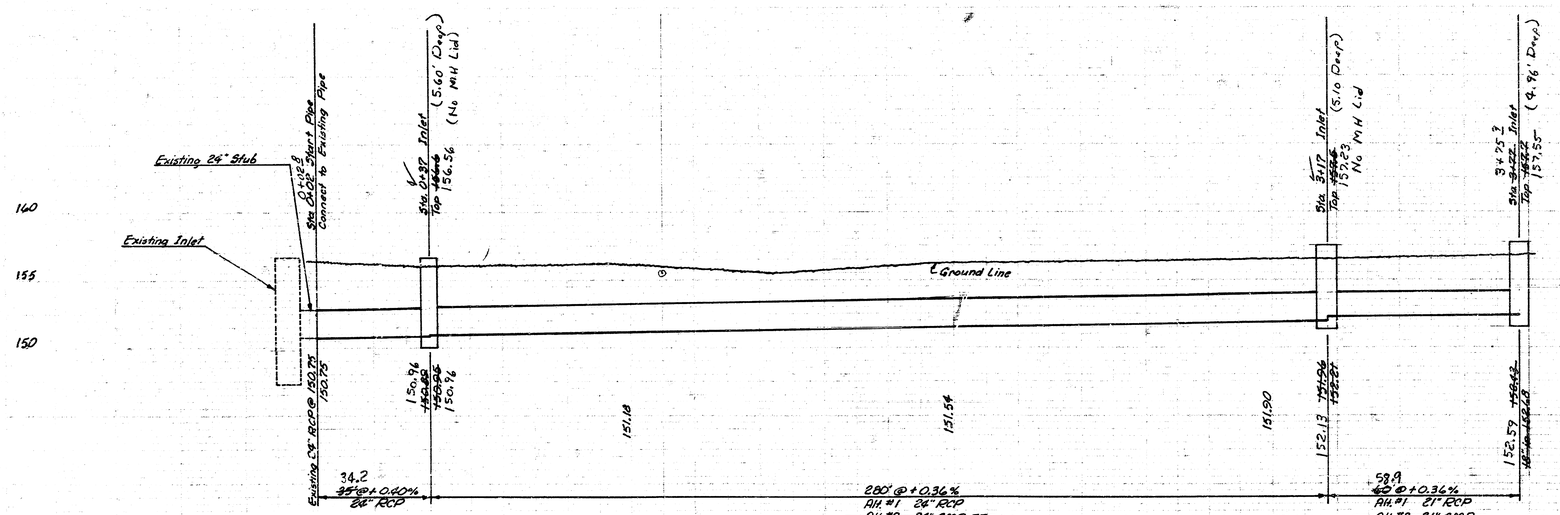
1/4 (1/4)

BM 169.95 City Std, Tyler & 21ST St. 38' W & 90' S. of ℄ Both

BM 172.43 City Std Tyler & 17th St. 31' S & 36' E. of ¼ Sec. Cor.

SCALE: 1"=20'





As Built 8/30/83

PROJECT DESCRIPTION
SWS #198

PROJECT NUMBER
468-76-835-80984-000-000-001

Sheet 2 of 4 2/4

BM See Sheet 2

SCALE: 1"=20'

MURRAY CIRCLE

WESTFIELD CIRCLE

KEITH CIRCLE

20th STREET

Lot 7

Lot 4, Blk C
Jamesburg Park

Lot 28, Blk B
Jamesburg Park

Lot 27

Lot 9

Lot 8, Blk D
Jamesburg Park

Lot 1, Blk D
Jamesburg Park

Lot 23

64' R/w
Proposed 35' B/B Street

58' R/w
Proposed 29' B/B Street

℄ 8" Water Line

℄ Constr. 18" SWS

℄ Constr. 15" SWS

9'

3+75.8
Sta. 3+77, Inlet, See Sheet 2
Top 157.7

6+01.7
Sta. 6+03, Constr. Type 1A Curb Inlet
W=6'2", Top 157.7

Sta. 6+79, Constr. Type 1A Curb Inlet
W=6'2", Top 157.7

Sta. 9+03 Constr. Type 1A Curb Inlet
W=6'2", Top ~~158.1~~ 158.18

21" SWS, See Sheet 2

24" SWS, See Sheet 2

Install 33' of 15" Pipe
USFL ~~154.85~~, DSFL ~~153.87~~
153.96 153.57

Constr. Type 1A Curb Inlet
W=6'2", Top ~~157.7~~
157.17 (3.19 Deep)

Install 33' of 15" Pipe
USFL ~~154.85~~, DSFL ~~154.16~~
153.94 154.13

Constr. Type 1A Curb Inlet
W=6'2", Top ~~157.7~~
157.63 (4.19 Deep)

4" Water Line

Proposed 35' B/B Street

68' R/w

58' R/w

Proposed 29' B/B Street

3+75.9
Sta. ~~3+77~~ Inlet
Top ~~159.2~~ 157.55 (4.96 Deep)

6+01.7
Sta. ~~6+03~~ Inlet
Top ~~159.2~~ 157.95 (4.05 Deep)
(Wrong Line)

6+72.2
Sta. ~~6+79~~ Inlet
Top ~~157.7~~ 157.53 (3.53 Deep)
(Wrong Line)

9+04
Sta. ~~9+03~~ Inlet
Top ~~158.1~~ 158.08 (2.64 Deep)
(No Line)

Ground Line

160
155
150

~~152.49~~ 152.68
152.59

152.77

153.17

~~153.40~~ 153.40
~~153.59~~ 153.40

154.00
~~154.13~~ 154.13

154.27

154.87

~~155.44~~ 155.50

115.8
~~38'~~ @ +0.40%
A/L #1 18" RCP
A/L #2 ~~18" CMP~~

76' @ +0.36%
A/L #1 18" RCP
A/L #2 ~~18" CMP~~

72.63
~~38'~~ @ +0.40%
A/L #1 15" RCP
A/L #2 ~~15" CMP~~

4 5 6 7 8

As Built 8/30/83

9

PROJECT DESCRIPTION
SWS # 198

PROJECT NUMBER
468-76-245-80984-000-000-001

Sheet 3 of 4 3/4

16 4 1 14

JUNE, 1981

CITY ENGINEER
R.M. BRAGGEMAN, DIRECTOR OF ENGINEERING
CITY OF WICHITA, KANSAS

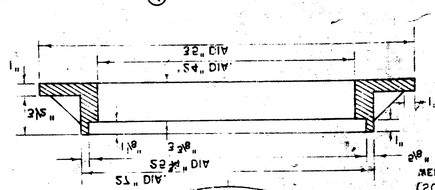
DETAIL STANDARD TYPE IA CURB INLET

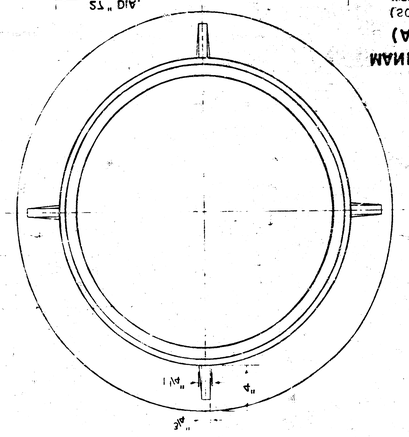
(1) Item 8-19-81

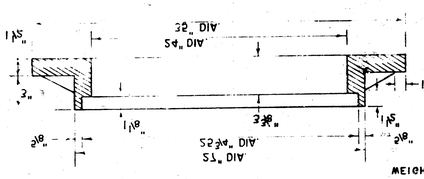
MANHOLE FRAME (ALTERNATE)

(SCALE $1_{in} = e_{in}$)

WEIGHT = 180 LBS.



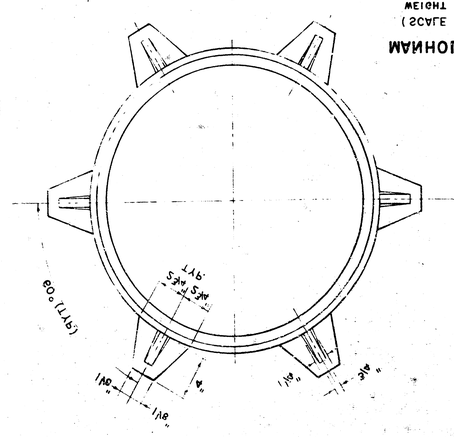




MANHOLE FRAME

(SCALE $1_{in} = e_{in}$)

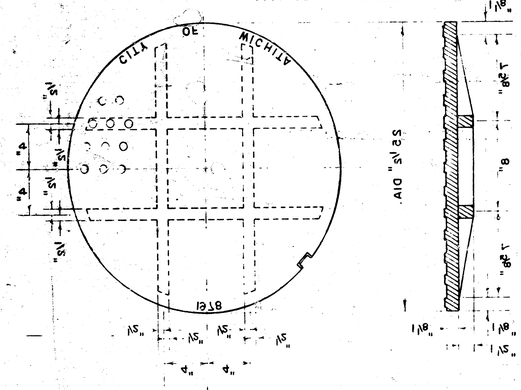
WEIGHT = 180 LBS.



MANHOLE COVER

(SCALE $1_{in} = e_{in}$)

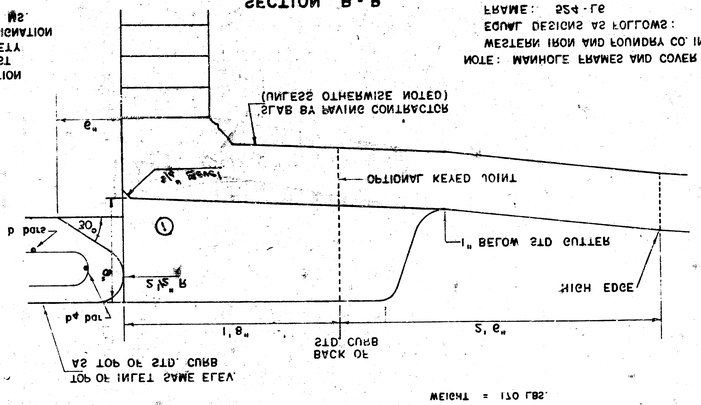
WEIGHT = 110 LBS.



SECTION B - B

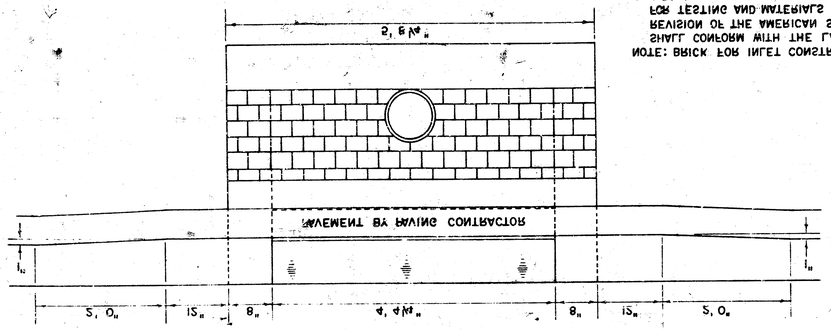
(SCALE $1_{in} = e_{in}$)

COVER: SSS 24 "NOBBY"
FRAME (ALTERNATE): 200 A4
FRAME: 2S4-LE
EQUAL DESIGNS AS FOLLOWS:
WESTERN IRON AND FOUNDRY CO. INC. OR
NOTE: MANHOLE FRAMES AND COVER ARE



SECTION C - C

(SCALE $1_{in} = 1, 0_{in}$)



NOTE: BRICK FOR INLET CONSTRUCTION SHALL CONFORM WITH THE LATEST REVISION OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS DESIGNATION C-32 FOR MANHOLE BRICK GRADE MS.

STANDARD CURB INLET THROAT TOPS

W	THR-CAST TOP SIZE	THRT SIZE	CU. YD. CONC
4, 5	$3e_{in}$ x 2, 8 W in x $1S_{in}$	$S1_{in}$ & SMALLER	0.38 *
5, 0	4_{in}^{1} x 2, 8 W in x $1S_{in}$	54_{in} & 30"	0.31 *
6, 0	4_{in}^{1} x 2, 8 W in x $1S_{in}$	$3e_{in}$ & $5A_{in}$	0.27 *
7, 0	4_{in}^{1} x 2, 8 W in x $1S_{in}$	$4e_{in}$ & $2A_{in}$	0.24 *
8, 0	4_{in}^{1} x 2, 8 W in x $1S_{in}$	$e0_{in}$ & ee_{in}	0.21 *

* CROSS HATCHED AREA

STEEL SCHEDULE

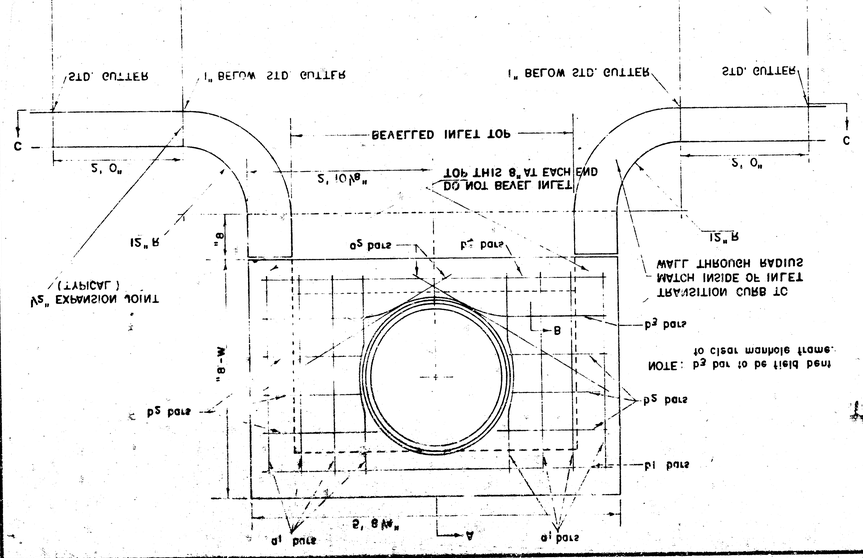
BAR	p_1	p_2	p_3	p_4	p_5	LBS.
NUMBER	8	5	1	2	2	1	8	6	1	1	
SIZE	$_{in}^{\#}$	$_{in}^{\#}$	$_{in}^{\#}$	$_{in}^{\#}$	$_{in}^{\#}$	$_{in}^{\#}$	$_{in}^{\#}$	$_{in}^{\#}$	$_{in}^{\#}$	$_{in}^{\#}$	
FENCH W=8, 0	$1S, 1_{in}$	$1, 4_{in}$	-	-	-	-	$2, 2_{in}$	$1, 2_{in}$	$2, 2_{in}$	$2, 2_{in}$	$1S4_{in}$
W=7, 0	$11, 1_{in}$	$1, 4_{in}$	-	-	-	$2, 2_{in}$	-	$1, 2_{in}$	$2, 2_{in}$	$2, 2_{in}$	111_{in}
W=6, 0	$10, 1_{in}$	$2, 4_{in}$	-	-	$2, 2_{in}$	-	-	$1, 2_{in}$	$2, 2_{in}$	$2, 2_{in}$	$9e_{in}$
W=5, 0	$8, 1_{in}$	$1, 4_{in}$	-	$2, 2_{in}$	-	-	-	$1, 2_{in}$	$2, 2_{in}$	$2, 2_{in}$	77_{in}
W=4, 5	$6, 2_{in}$	$2, 4_{in}$	$2, 2_{in}$	-	-	-	-	$1, 2_{in}$	$2, 2_{in}$	$2, 2_{in}$	60_{in}

* NOTE: p_5 BAR TO BE PLACED APPROX. 5_{in} BELOW TOP OF INLET COVER

BENDING DIAGRAM

PLAN

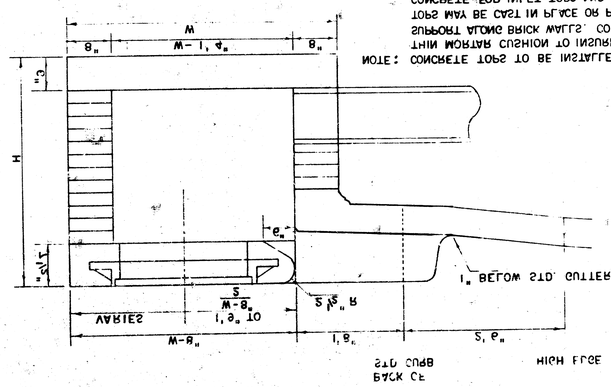
(SCALE $1_{in} = 1, 0_{in}$)



NOTE: p_2 pat to be field bent to clear manhole frame.

SECTION A-A

(SCALE $1_{in} = 1, 0_{in}$)



NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE EVEN SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST CONCRETE FOR INLET TOPS AND FLOORS SHALL BE STANDARD PAVING MIX.