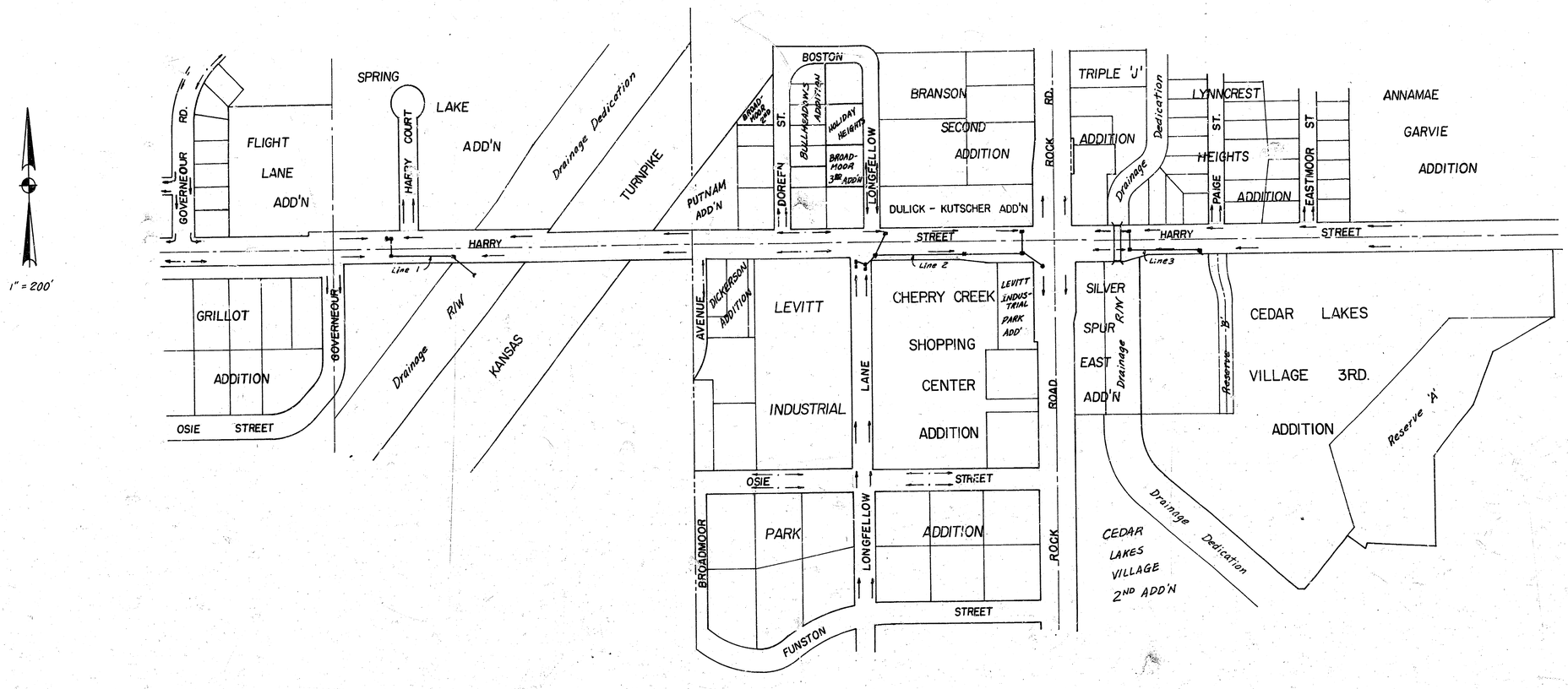
DRAINAGE IN CONNECTION WITH PAVING HARRY STREET



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.

4.) ALL CONCRETE SHALL BE "6-SACK CONCRETE" UNLESS OTHERWISE NOTED.

5.) THE CONTRACTOR SHALL AVOID REMOVING ANY TREES UNLESS IT IS ABSOLUTELY NECESSARY. CONTRACTOR IS TO TAKE WHATEVER PRECAUTION THE ENGINEER DEEMS NECESSARY (SHORING, SHIELDING, ETC.) TO INSURE THAT THE TREES IN THE VICINITY OF CONSTRUCTION ARE PROTECTED FROM INJURY (COST INCIDENTAL TO PROJECT).

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

7.) CONTRACTOR SHALL HAVE THE OPTION OF INSTALLING PRE-CAST TYPE 1A CURB INLET IN LIEU OF THE BRICK TYPE STRUCTURE. SEE STANDARD DETAIL PRE-CAST TYPE 1A CURB INLET DATED AUGUST, 1979.

Index

Sheet No.	
1	Cover Sheet
2	Line 1
3,4	Line 2
5	Line 3
6	Type 1A Inlet
7	Type 1 Inlet
8	Type B Manhole
9	Headwall

DEAN SELLERS, ACTING CITY ENGINEER
CITY OF WICHITA, KANSAS

PROJECT NO. 472 76 245 80641 000 000 002

DATE: _____

STEPHEN R. LACKEY LICENSED PROFESSIONAL ENGINEER 7714 KANSAS NATIONAL ENGINEER

1/9

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B.M. 147.30 "a" Top W-Cb Governeour 77' N of ℄ Harry
B.M. 137.23 Brass Plug on East End Abutment N-Side Conc. Bridge on Harry just East of Governeour S.

Scale: 1" = 20'

Sta. 0+25.5
Constr. Headwall (36" Pipe)

Note:
Storm Sewer Contractor to Coordinate w/ Grading Contractor, For the Channel, when Constructing 36" SWS and Headwall Structure in this Area.

Proposed 48" Storm Sewer

Sta. 0+00 = Channel Sta. 5+39

Riprap by others

Sta. 1+23, St. Sta. 42+50 Rt.
Constr. Type 1A Curb Inlet
W=5'0", Top=140.25

Sta. 3+55, St. Sta. 40+18 Rt.
Constr. Type 1A Curb Inlet
W=5'0", Top=139.54

Existing Bridge to be Removed by Others

64 LF of 18" RCP or CMP (F.C.)
DSFL=135.28, USFL=135.76

Stump

HARRY ST.

HARRY COURT

St. Sta. 40+18 Lt., Constr. Type 1A Curb Inlet, W=4'2"
Top Elev = 139.54

St. Sta. 40+10 Lt., Constr. Type 1A Curb Inlet, W=4'2"
Top = 139.56, Install 4 LF of 15" RCP or CMP (F.C.)
DSFL = 136.00, USFL = 136.10

Iron Sta. 41+20.48

Iron (Sta. 40+50.48)

Sta. 0+00, ℄ Proposed Channel = Channel Sta. 5+39

Sta. 0+25.5 Constr. Headwall/36" CMP
Sta. 0+30 Install 36" CMP

45'± LF of Broken Back Pipe With 2 - Vertical Bends of 22½° & 21° each

Sta. 1+23, St. Sta. 42+50 Rt. Constr. Type 1A Curb Inlet W=5'0", Top=140.25

Sta. 3+55, St. Sta. 40+18 Rt. Constr. Type 1A Curb Inlet W=5'0", Top=139.54

932 LF of 30" CMP (fully coated) @ 0.50%

232 LF of 24" RCP @ 0.60%
Alt. 232 LF of 24" CMP @ 0.60% (fully coated)

Proposed I.C.

Finish grade

Exist'g Profile ℄ Harry

Exist'g Ground

Proposed Channel by others

Riprap by others

Channel FL = 117.62

132.69

F.Gut = 132.89
F.Gut (W) = 132.89

R.Gut = 134.38
IE In = 134.28

118.12 | 118.21 | 132.78 | 133.67 | 134.17 | 134.47 | 134.77

145 140 135 130 125 120 115

0 1 2 3 4

Line 1

Drainage in Connection w/ Paving Harry Street

PLATE 1 PLAN-PROFILE
ACHTO 1-1224 CO.

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B.M. 145.12 "T" Cut in "D" Ctr. Median & Rock Rd. N.L. of Harry

B.M. 154.22 "a" Top W-Cb Longfellow 59' N of & Harry

Scale: 1"=20'

LEVITT INDUSTRIAL PARK ADDITION

Sta. 0+00, Street
Sta. 64+11.53 Harry, 88' Rt.
Constr. Type B M.H., 5' Dia.

Sta. 0+87, Street
Sta. 63+34.56, 45.5' Rt.
Constr. Type 1A Curb Inlet
W=5'0", Top=145.4±

CHERRY CREEK SHOPPING CENTER

Sta. 2+92, Street
Sta. 61+30 Harry, 45.5' Rt.
Constr. Type 1A Curb Inlet
W=5'0", Top=147.95

Tie into Existing Storm Sewer

Remove & Repl. Curb & Gutter

Existing Storm Sewer to be Plugged by Paving Contractor

See Note*

Iron (Sta. 63+75.78)

Iron, Sta. 62+00.78

Remove & Replace Sprinkler Heads & Any pipe Disturbed during Construction

30" SWS

24" SWS

Remove 5' of 21" Pipe Grade ditch to drain

Remove Pavement & Replace w/ 4" Asph.

New Pavement by "others"

HARRY 63 ST. 62

64

Iron Sta. 64+50.78

Exist'g Pavement

Remove Inlet & 11 of 15" Pipe Grade Ditch to Drain

Caution! 12" Water

Iron Sta. 63+75.78

St. Sta. 63+34.56, 34.5' Lt.
Constr. Type 1A Curb Inlet
W=4'2", Top=145.71, Install
82 LF of 15" RCP or CMP (F.C.)
USFL=141.80, DSFL=140.98

ROCK RD.

DULICK - KUTSCHER ADDITION

* NOTE: CONTRACTOR SHALL CONTACT MR. DWAINE VERNON OF CONTINENTAL PIPELINE COMPANY AT (316) 794-8356 FOR LOCATION OF THE CRUDE PIPELINE AT LEAST 24 HOURS PRIOR TO BEGINNING WORK IN THE PIPELINE AREA. IF MR. VERNON CANNOT BE REACHED, CALL (316) 824-6520 or (405) 767-2382.

Sta. 0+00 St. Sta. 64+11.53, 88' Lt. Constr. Type B M.H., 5' Dia. Tie into existg Storm Sewer

Sta. 0+87 St. Sta. 63+34.56, 45.5' Lt. Constr. Type 1A Curb Inlet W=5'0", Top=145.40

Sta. 2+92 Sta. 61+30 Harry, 45.5' Rt. Constr. Type 1A Curb Inlet W=5'0", Top=147.95

87 LF of 30" RCP @ 0.36%
Alt. 87 LF of 30" CMP @ 0.36% (F.P. & F.C.)

Install 205 LF of 24" RCP @ 1.50%
Alt. 205 LE of 24" CMP @ 1.50% (fully paved & fully coated)

8" San. Sewer E=134.20
8" Crude Pipeline

Existg Ground

Proposed TC

Existing 30" SWS @ 0.36%

Existing E.Inv.=134.82

E.Inv.=139.23

E.Inv.=141.93
E.Inv.=140.80

150
145
140
135

0 1 2

139.60 140.53 141.18 141.93 142.66

Line 2

Drainage in Connection w/ Paving Harry Street

K&E PLATE 1, PLAN-PROFILE
KEUFFEL & ESSER CO.
48 7008 "MADE IN U.S.A."

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CHERRY CREEK SHOPPING CENTER ADDITION

DULICK-KUTSCHER ADDITION

Scale: 1"=20'

B.M. 145.12 "+" Cut in "D" Ctr. Medial & Rock Rd. N.L. of Harry
B.M. 154.22 "D" Top W-Cb Longfellow 59' N of E Harry

Constr. Type 1A Curb Inlet W=4'2", Top=154.41

Install 6 LF of 15" RCP or CMP(F.C.) USFL=150.35, DSFL=150.25 Sta. 6+65 Constr. Type 1A Curb Inlet W=5'0", Top=154.35

Sta. 6+26, Street Sta. 57+97 Harry, 45.5 Rt. Constr. Type 1A Curb Inlet W=5'0", Top=153.83 Install 24' Stub w/ Temp. Plug

Drainage Easement

Remove & Replace Curb & Gutter

Remove Pavement & Replace w/ 8" A.C.

Constr. Type 1A Curb Inlet W=4'2", Top=154.55

Install 4 LF of 15" RCP or CMP(F.C.) USFL=150.85, DSFL=150.75 Sta. 7+16 Constr. Type 1A Curb Inlet W=4'2", Top=154.50

Iron, Sta. 57+03

Iron, Sta. 57+55.90

Iron, Sta. 58+15.90

Install 84 LF of 15" RCP or CMP(F.C.) DSFL=149.37, USFL=149.79

Remove Pavement & Replace w/ 6" Asph.

Sta. 58+35 Harry, 23' Lt. Constr. Type I Curb Inlet W=3'10", Top=153.33

Caution! 12" Water Line

Iron, Sta. 61+00.88

Iron, Sta. 62+00.78

See Sheet 3

HARRY ST.

LONGFELLOW

PLAN

PROFILE

Sta. 1+82 Type 1A Curb Inlet See Sheet 3

Sta. 6+25 Street Sta. 57+97 Harry, 45.5 Rt. Constr. Type 1A Curb Inlet W=5'0" Top=153.83

Sta. 6+65 Constr. Type 1A Curb Inlet W=5'0" Top=154.35

Sta. 7+16 Constr. Type 1A Curb Inlet W=4'2" Top=154.50

Install 333 LF of 24" RCP @ 1.50%
Alt. 333 LF of 24" CMP @ 1.50% (fully paved & fully coated)

40 LF of 24" RCP @ 0.50%
Alt: 40 LF of 24" CMP @ 0.50% (F.P.&F.C.)

50 LF of 18" RCP @ 1.00%
Alt: 50 LF of 18" CMP @ 1.00% (F.C.)

Proposed T.C.
Existing Ground

Line 2, Cont'd
Drainage in Connection w/ Paving Harry Street

PLATE 1, PLAN-PROFILE
KEUFFEL & ESSER CO.
48 7008 MADE IN U.S.A.

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LYNNCREST HEIGHTS ADDITION

PAIGE ST.

Drainage Dedication

Note: Storm Sewer Contractor to coordinate Connection w/ R.C.B.C. Contractor.

Sta. 0+00, St. Sta. 67+03
Connect 30" Pipe Into RCBC

Sta. 1+22, St. Sta. 68+25 Lt.
Constr. Type 1A Curb Inlet
W=5'0", Top = 144.12.

Iron Sta. 70.15

Sta. 0+00 St. Sta. 67+03

30" SWS

18" CMP

U.G.

Existg 3-8'x8' RCBC to be extended by "others"

HARRY ST.

Remove Pavement & Replace w/4" Thick

Sta. 3+59, St. Sta. 69+88 Rt.
Constr. Type 1A Curb Inlet
W=4'2", Top = 145.10

21" SWS

Remove 18" CMP

Install 134 LF of 18" RCP to connect Existg pipe to Inlet

24" CMP

Sta. 1+96, St. Sta. 68+25 Rt.
Constr. Type 1A Curb Inlet
W=4'2", Top = 144.12

Iron

Drainage Dedication

Scale: 1" = 20'

B.M. 145.41 "+" Top W-End Handrail N-Side of Triple 8x8 RCBC 250' E of Rock Rd.

B.M. 145.21 "a" Top W-C6 Paige 75.5' N of ℄ Harry

CEDAR LAKE VILLAGE THIRD ADDITION

SILVER SPUR EAST

Sta. 0+00, Install 30" Pipe Connect To RCBC

Sta. 1+22, St. Sta. 68+25 Lt. Constr. Type 1A Curb Inlet W=5'0", Top = 144.12

Sta. 1+96, St. Sta. 68+25 Rt. Constr. Type 1A Curb Inlet W=4'2", Top = 144.12

Sta. 3+59, St. Sta. 69+88 Rt. Constr. Type 1A Curb Inlet W=4'2", Top = 145.10

122 LF of 30" RCP @ 1.00%
Alt. 122 LF of 30" CMP @ 1.00% (F.P. & F.C.)

74 LF of 24" RCP @ 1.00%
Alt. 74 LF of 24" CMP @ 1.00% (F.P. & F.C.)

163 LF of 21" RCP @ 1.00%
Alt. 163 LF of 21" CMP @ 1.00% (fully coated)

Existg Profile ℄ Harry

Proposed TC

Eout = 136.00

Eout = 137.22

Eout = 139.36

Ein = 140.22

Eout = 140.80

Ein = 140.92

Ein = 141.88

Ein = 143.10

150
145
140
135
130

0 1 2 3

19.50 132.00 19.54 140.29 109.79 141.79

5/9

Line 3

Drainage in Connection w/ Paving Harry Street

K&E FLATE 1, PLAN-PROFILE KEUFFEL & ESSER CO.

48 7008 MADE IN U.S.A.

PLAN NEUTRAL SURFACE No. 214-171 DATE 8-25-65

PROFILE No. 8-25-65

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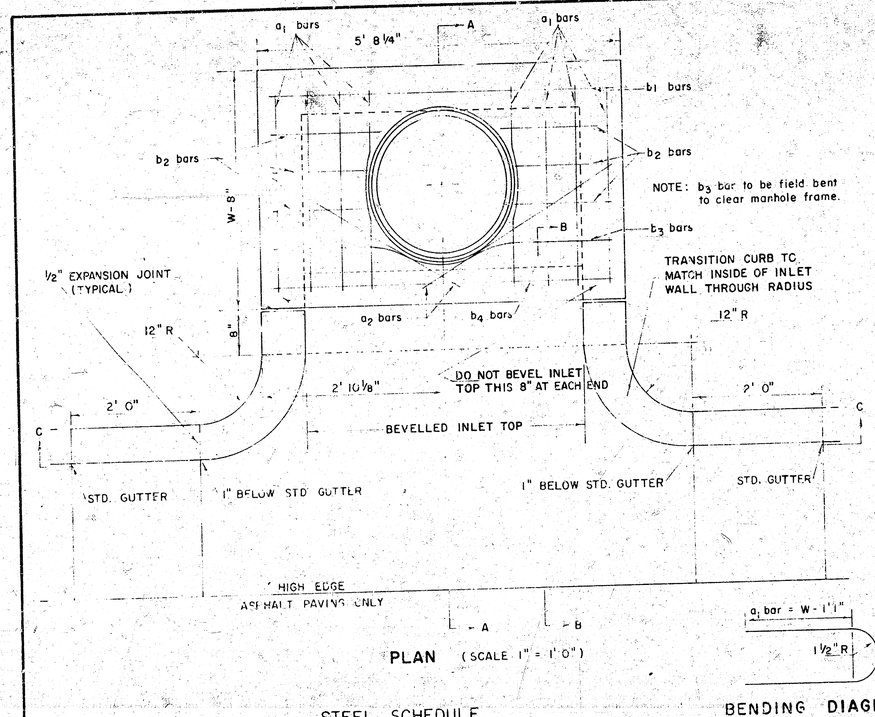


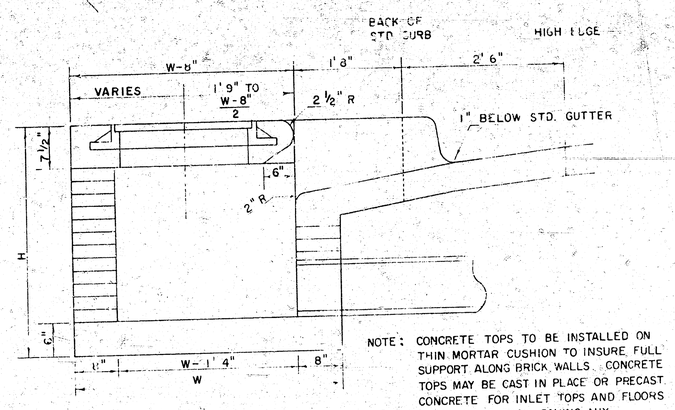
PLAN (SCALE 1" = 1'0")

BENDING DIAGRAM

STEEL SCHEDULE

BAR	a_1	a_2*	b_1 W=4'2"	W=5'0"	W=6'0"	W=7'0"	W=8'0"	b_2	b_3	b_4	WT LBS.
NUMBER	8	2	1	3	5	7	9	6	1	1	
SIZE	#4	#4	#4	#4	#4	#4	#4	#4	#4	#6	
LENGTH W=4'2"	6'5"	3'4"	5'5"	–	–	–	–	1'5"	5'6"	5'5"	60#
LENGTH W=5'0"	8'1"	4'4"	–	5'5"	–	–	–	1'5"	5'6"	5'5"	77#
LENGTH W=6'0"	10'1"	5'4"	–	–	5'5"	–	–	1'5"	5'6"	5'5"	97#
LENGTH W=7'0"	11'1"	6'4"	–	–	–	5'5"	–	1'5"	5'6"	5'5"	111#
LENGTH W=8'0"	12'1"	7'4"	–	–	–	–	5'5"	1'5"	5'6"	5'5"	124#

* NOTE: a_2 BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

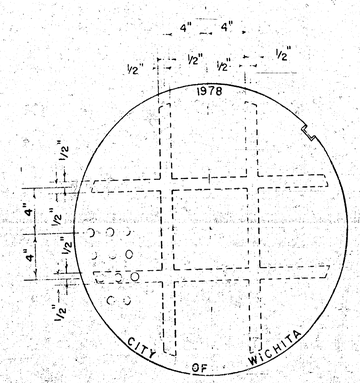


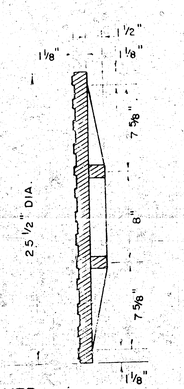
SECTION A-A
(SCALE 1" = 1'0")

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 FOR INLET TOPS AND FLOORS SHALL BE 6-SACK PAVING MIX.

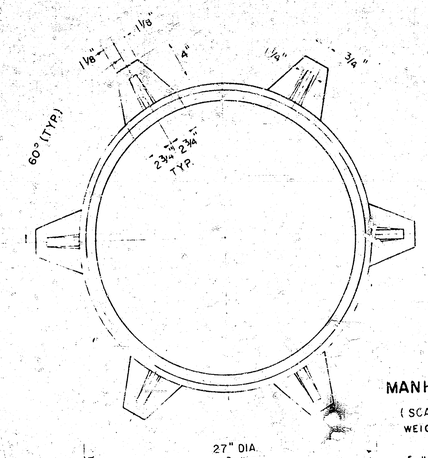
STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4' 2"	3'6"x5'8 1/4"x7 1/2"	21" & SMALLER	0.46 *
5' 0"	4'4"x5'8 1/4"x7 1/2"	24" & 30"	0.57 *
6' 0"	5'4"x5'8 1/4"x7 1/2"	36" & 42"	0.71 *
7' 0"	6'4"x5'8 1/4"x7 1/2"	48" & 54"	0.84 *
8' 0"	7'4"x5'8 1/4"x7 1/2"	60" & 66"	0.97 *

* GROSS VOLUME

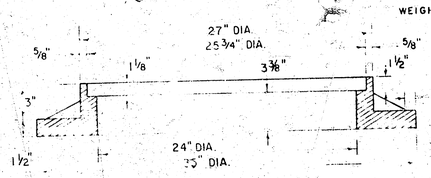




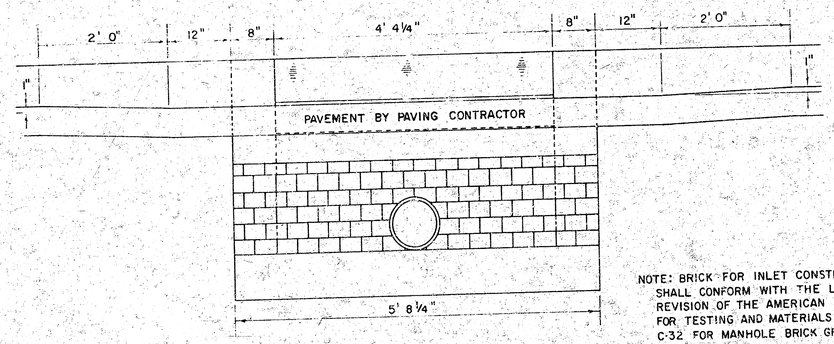
MANHOLE COVER
(SCALE 1" = 6")
WEIGHT = 170 LBS.



MANHOLE FRAME
(SCALE 1" = 6")
WEIGHT = 180 LBS.

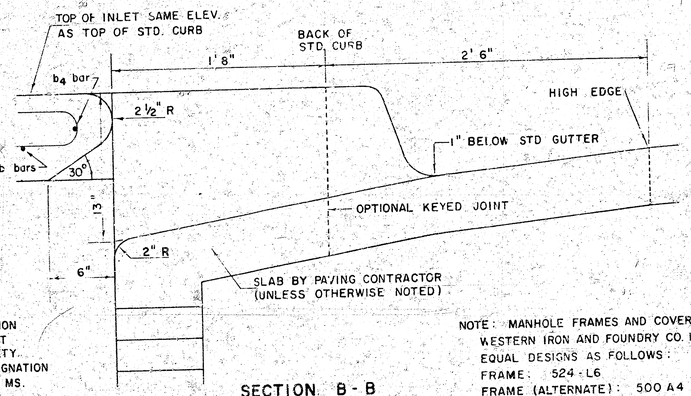


MANHOLE FRAME (ALTERNATE)
(SCALE 1" = 6")
WEIGHT = 180 LBS.



SECTION C-C
(SCALE 1" = 1'0")

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.



SECTION B-B
(SCALE 1" = 6")

NOTE: MANHOLE FRAMES AND COVER ARE WESTERN IRON AND FOUNDRY CO. INC. OR EQUAL DESIGNS AS FOLLOWS:
FRAME: 524-L6
FRAME (ALTERNATE): 500 A4
COVER: 222 S4 "NOBBY"

DETAIL STANDARD TYPE IA CURB INLET

CITY OF WICHITA, KANSAS

R. W. LINN — CITY ENGINEER

OCTOBER 1978

6/9

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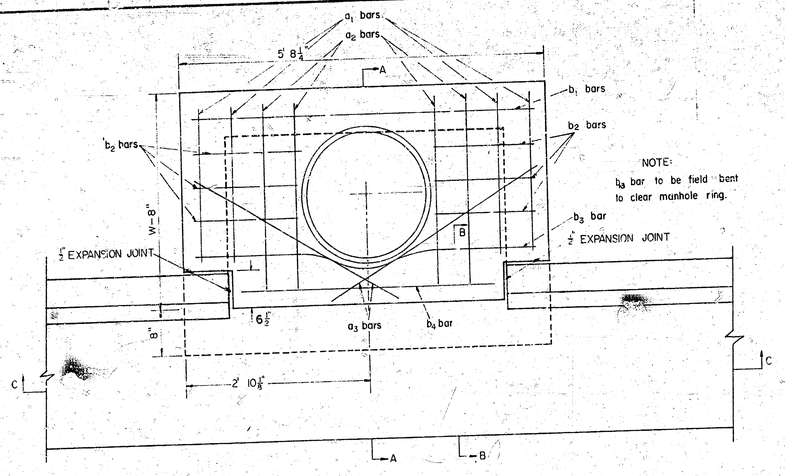
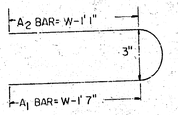


NOTE:
b_3 bar to be field bent to clear manhole ring.

PLAN
SCALE: 1"=1'0"

REINF. STEEL TO BE PLACED ON 6" CTR'S

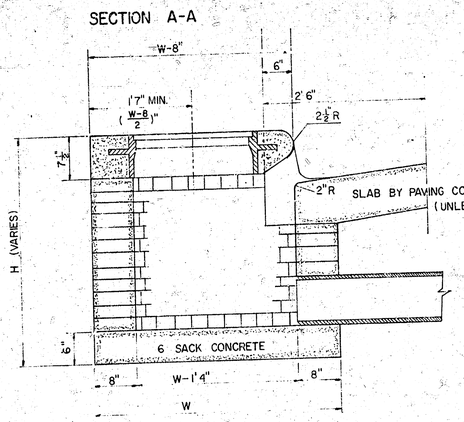


	BAR	a_1	a_2	a_3*	b_1 W=3'10	b_1 W=4'10	b_1 W=5'10	b_2	b_3	b_4	Wt. Lbs.
	SIZE	#4	#4	#4	4'	4'	4'	4'	4'	6	
	NUMBER	4	4	2	1	3	5	6	1	1	
LENGTH	W=3'10"	4'9"	5'9"	3'7"	5'5"	–	–	1'7"	5'6"	4'0"	53
	W=4'10"	6'9"	7'9"	4'7"	–	5'5"	–	1'7"	5'6"	4'0"	72
	W=5'10"	8'9"	9'9"	5'7"	–	–	5'5"	1'7"	5'6"	4'0"	91

* NOTE: A_3 BARS TO BE PLACED APPROXIMATELY 2" BELOW TOP OF INLET COVER

SHAPE CURB AND/OR GUTTER AT INLET OPENING WITH SMOOTH CURVES

SECTION A-A

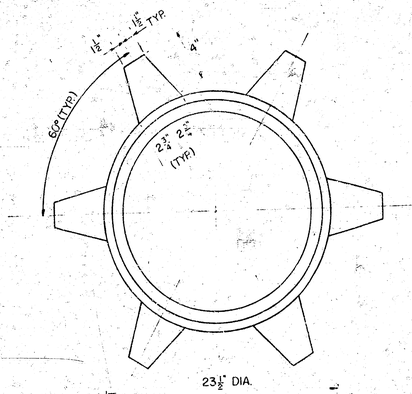


SECTION A-A
SCALE: 1"=1'0"

STD. CURB INLET CONCRETE TOP			
W	SIZE	PIPE SIZE	CU.YD. CONC.
3'10"	3'2"X5'8¼"X7½"	24" & SMALLER	0.42*
4'10"	4'2"X5'8¼"X7½"	30" & 36"	0.55*
5'10"	5'2"X5'8¼"X7½"	42" & 48"	0.68*

*GROSS VOLUME

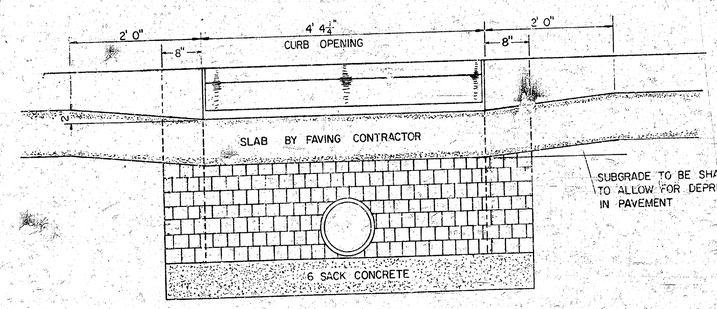
CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE FOR INLET TOPS AND FLOORS SHALL BE 6 SACK PAVING MIX.



MANHOLE RING

SEE SEWER APPURTENANCES DETAIL SHEET FOR MANHOLE COVER

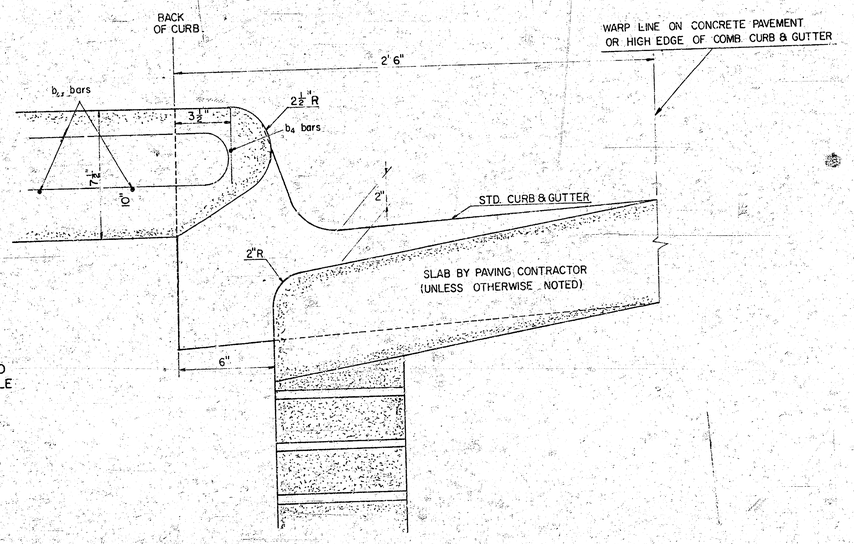
THIS TYPE INLET TO BE USED WHEN PAVEMENT IS ASPHALT PAVEMENT WITH CONCRETE BASE AND/OR WHEN PAVEMENTS HAVE FULL HEIGHT STANDARD CURBS.



SECTION C-C
SCALE: 1"=1'0"

BRICK FOR INLET CONSTRUCTION SHALL CONFORM WITH THE LATEST REVISION OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS DESIGNATION C32 FOR MANHOLE BRICK GRADE MS.

SECTION B-B
SCALE: 3"=1'0"



DETAIL
STANDARD CURB INLET-TYPE I
CITY OF WICHITA, KANSAS
R. W. LINN-CITY ENGINEER
FEBRUARY, 1975

2/9

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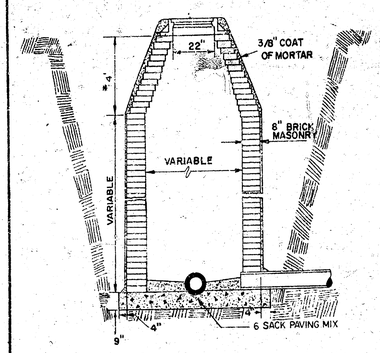
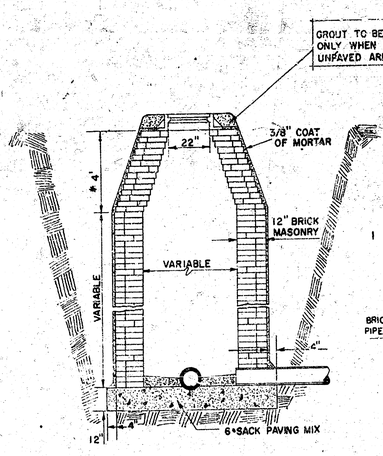
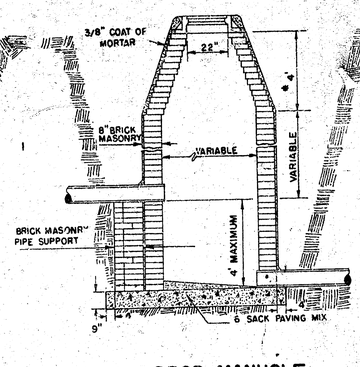


STANDARD MANHOLE
TYPE "A"

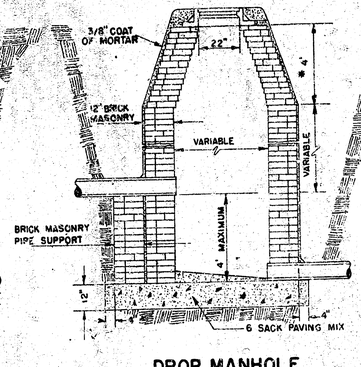
* DRAW - 6' ON 5' DIA. M.H.



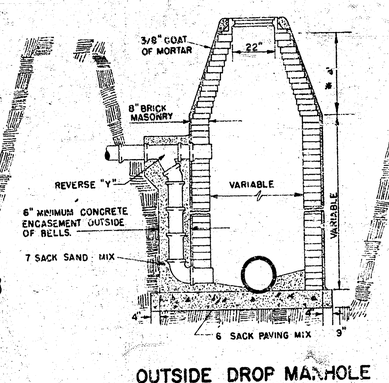
STANDARD MANHOLE
TYPE "B"



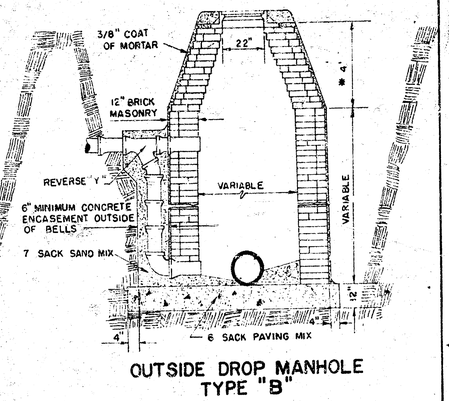
DROP MANHOLE
TYPE "A"



DROP MANHOLE
TYPE "B"

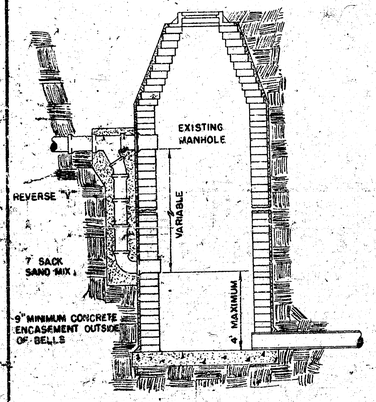


OUTSIDE DROP MANHOLE
TYPE "A"



OUTSIDE DROP MANHOLE
TYPE "B"

NOTE: REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASES 6" ABOVE THE BOTTON. REINFORCING STEEL SHALL CONSIST OF NO. 4 BARS PLACED ON 6" CENTERS IN BOTH DIRECTIONS. THE COST OF REINFORCING STEEL IS TO BE INCLUDED IN THE PRICE BID FOR THE MANHOLE.

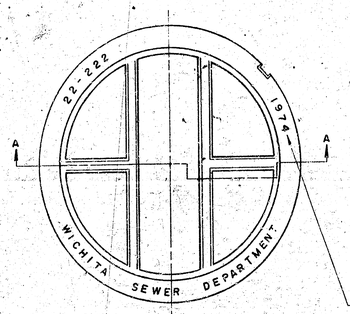


DETAIL OF DROP STACK

FOR EXISTING MANHOLES IN GROUND WATER

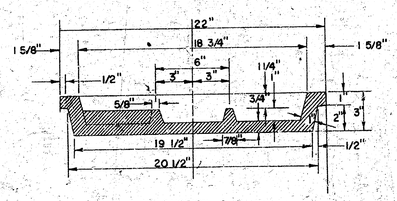
GENERAL NOTES

- MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 8 SACKS OF CEMENT PER CUBIC YARD.
- STANDARD MANHOLES TYPE 'A' OR TYPE 'B' AND STANDARD DROP MANHOLES TYPE 'A' OR TYPE 'B' 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. MANHOLES WITH PIPE SIZES LARGER THAN 24" SHALL BE 5' DIAMETER.
- FLOORS OF ALL MANHOLES SHALL BE SHAPED TO INSURE HYDRAULIC EFFICIENCY USING 6 SACK SAND MIX CONCRETE.
- PIPES INSTALLED WITHIN THE MANHOLE EXCAVATION SHALL BE CRADLED WITH CONCRETE TO THE LIMITS OF THE MANHOLE EXCAVATION. COST OF CRADLE WITHIN MANHOLE EXCAVATION SHALL BE INCLUDED IN THE PRICE BID FOR THE MANHOLE. CRADLE SHALL EXTEND TO FIRST JOINT OUTSIDE OF MANHOLE WHEN CLAY PIPE IS USED.



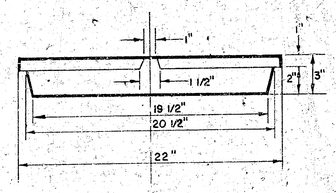
TOP VIEW

MANHOLE COVER
WEIGHT 110 LBS.



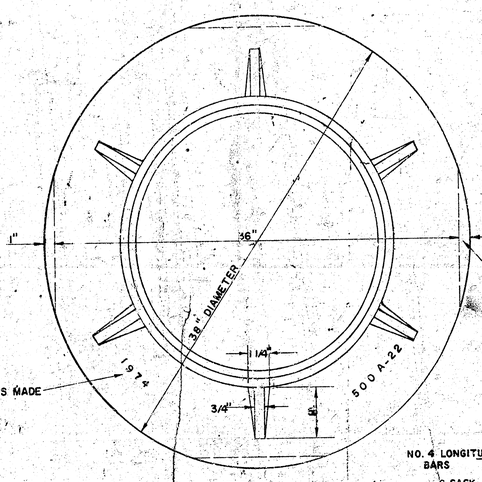
SECTION A-A

MANHOLE COVER



SIDE VIEW

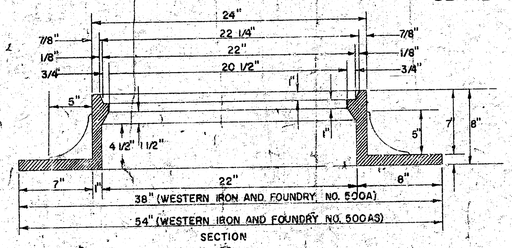
MANHOLE COVER



TOP VIEW

MANHOLE RING

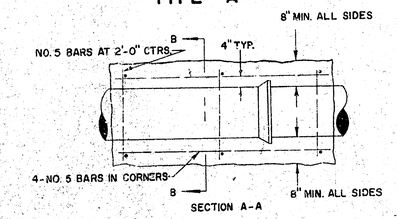
WEIGHT 325 LBS. RING NO. 500A
WEIGHT 800 LBS. RING NO. 500AS



SECTION

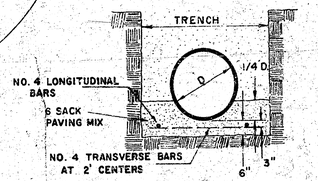
MANHOLE RING

OUTSIDE CIRCUMFERENCE OF COVER AND THE INNER FACE AND SEAT OF RING TO BE MACHINE FIT.

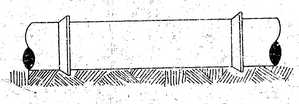


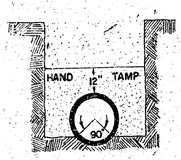
REINFORCED CONCRETE ENCASEMENT

NOTE: CONCRETE ENCASEMENT AND CONCETE CRADLE SHALL BEGIN AND END AT A JOINT WHEN CLAY PIPE IS USED.



DETAIL OF CONCRETE CRADLE





ORDINARY BEDDING METHOD

STORM SEWER PIPE

REVISED 4-13-77

DETAILS OF

SEWER APPURTENANCES

ADOPTED AS STANDARD DESIGN
BY
ENGINEERING DIVISION
CITY OF WICHITA, KANSAS
R. W. LINN CITY ENGINEER
1974

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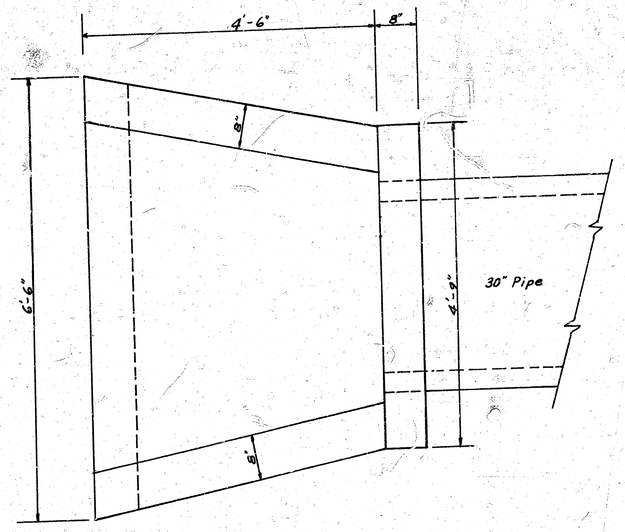
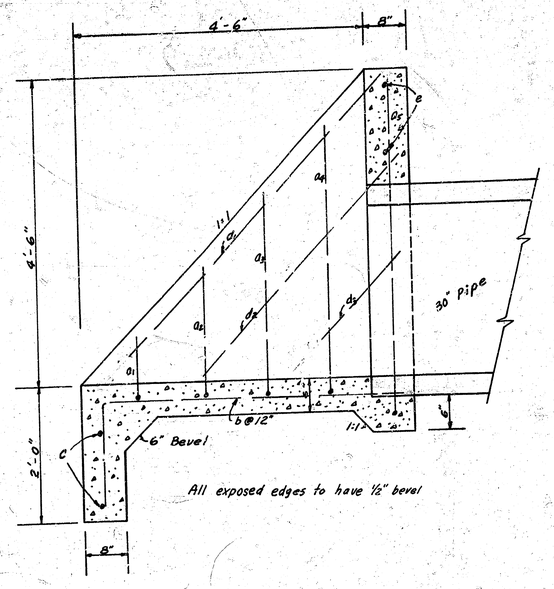


PLAN
Scale: 1"=1'



SECTION
Scale: 1"=1'

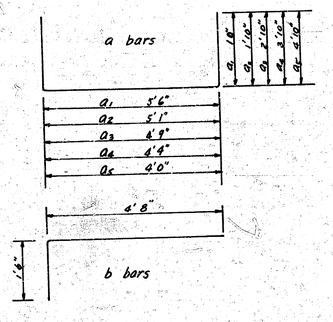


TABLE OF QUANTITIES				
BAR	NUMBER	LENGTH	SHAPE	WEIGHT
a_1	1	7'2"		4.79
a_2	1	8'9"		5.85
a_3	1	10'5"		6.96
a_4	1	12'0"		8.02
a_5	1	13'8"		9.13
b	6	6'2"		24.72
C	2	6'0"		8.02
d_1	2	5'8"		7.57
d_2	2	4'6"		6.01
d_3	2	1'9"		2.34
e	2	4'5"		5.90
Total Rebar, lbs				8931
Concrete, CY				1.64

All Rebars to be #4

9/9

DETAILS OF HEADWALL STRUCTURE
CITY OF WICHITA, KANSAS
DRAINAGE IN CONNECTION WITH PAVING HARRY STREET
9/9

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