COMSTRUCTION PLANS FOR

STORM WATER SEWER IMPROVEMENTS

IN

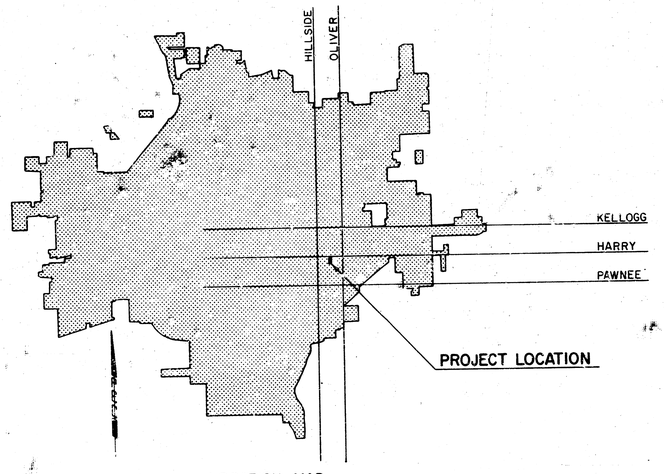
GEORGETOWN II ADDITION

WICHITA, KANSAS

KANSAS GENERAL PROPERTIES, INC.

INDEX OF SHEETS

SHEET NO.	1	TITLE SHEET
	2	GENERAL PROJECT INFORMATION
	3	TYPE IA CURB INLET DETAILS
	4	REIN. CONC. HEADWALL & EROSION CONTROL DETAILS
	5	PLAN-PROFILE - LINE No. 1
	6	PLAN-PROFILE - LINE No. 2



LOCATION MAP

DECEMBER 1983

PLANS PREPARED BY

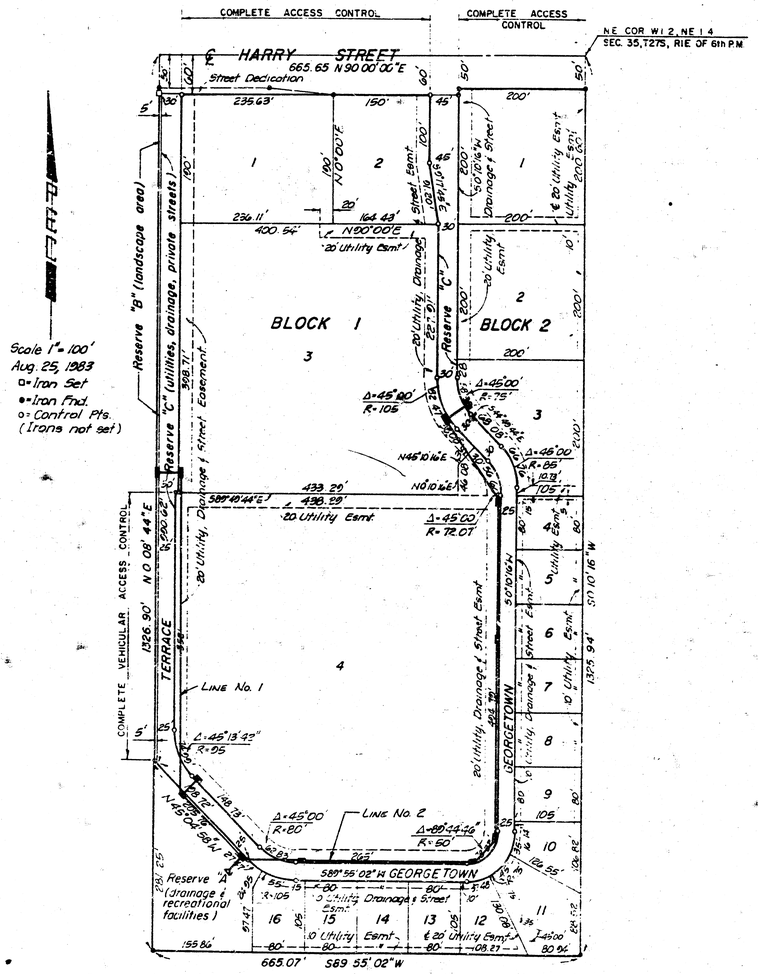
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

CHARLES S. BROWN
ENGINEER
7581
KANSAS
PROFESSIONAL ENGINEER

1/6

PRIVATE 468-76-245-80000-000-000-008

GEORGETOWN II
Wichita, Sedgwick County, Kansas.



BENCH MARKS

BM #4	SOUTH RIM OF MANHOLE LOCATED IN LOT 13, BLOCK 2, GEORGETOWN II ADDITION. EL.= 136.74
BM #5	CHISELED " □ " ON TOP OF CURB. SOUTH SIDE OF HARRY STREET, 101' WEST OF WEST PROPERTY LINE OF GEORGETOWN II ADDITION. EL. = 155.69
BM #6	RAILROAD SPIKE ON EAST SIDE OF POWER POLE, NORTH SIDE OF HARRY STREET, 58.5' EAST OF WEST LINE OF GEORGETOWN II ADDITION . EL. = 155.395
CITY BM	BENCH MARK DISC ON WEST END OF NORTH HUBGUARD ON RCB, APPROXIMATELY 150' EAST OF OLIVER AND HARRY STREETS. EL. = 142.433

SUMMARY OF QUANTITIES

Item	Description	Quantity	Unit
1.	30" RCP	368.20	LF
2.	24" RCP	321.30	LF
3.	21" RCP	236.36	LF
4.	18" RCP	284.03	LF
5.	15" RCP	596.61	LF
6.	Type 1A Inlet, W = 4'-2"	7	Ea.
7.	Type 1A Inlet, W = 5'-0"	2	Ea.
8.	Type 1A Inlet, W = 6'-0"	3	Ea.
9.	Reinf. Conc. Headwall	1	Ea.
10.	Riprap	153	S.Y.

GENERAL NOTES

1. ALL ELEVATIONS BASED ON CITY OF WICHITA DATUM. (MEAN SEA LEVEL-1187.4)
2. ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY OF WICHITA STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED ON THE PLANS.
3. THE CONTRACTOR SHALL ERECT WARNING SIGNS, FLASHING LIGHTS, AND/OR BARRICADES TO INSURE SAFETY AS DIRECTED BY THE ENGINEER. ALL TRAFFIC CONTROL WILL BE IN ACCORDANCE WITH THE MUTCD.
4. THE CONTRACTOR SHALL NOTIFY EACH OF THE FOLLOWING UTILITY COMPANIES PRIOR TO THE BEGINNING OF CONSTRUCTION AND SHALL REQUEST THAT ALL EXISTING LINES BE FLAGGED:

   KANSAS GAS & ELECTRIC COMPANY
   1900 EAST CENTRAL
   264-1111 (EXT. 248) JERRY LANE

   CITY OF WICHITA WATER DEPT.
   455 N. MAIN STREET
   268-4555, BENNY GEGEN

   SOUTHWESTERN BELL TELEPHONE
   154 NORTH BROADWAY
   262-5500

   GAS SERVICE COMPANY
   1021 E. 26TH NO.
   263-7511, GENE CURLESS

   AIR CAPITAL CABLEVISION
   705 N. BROADWAY
   267-2889

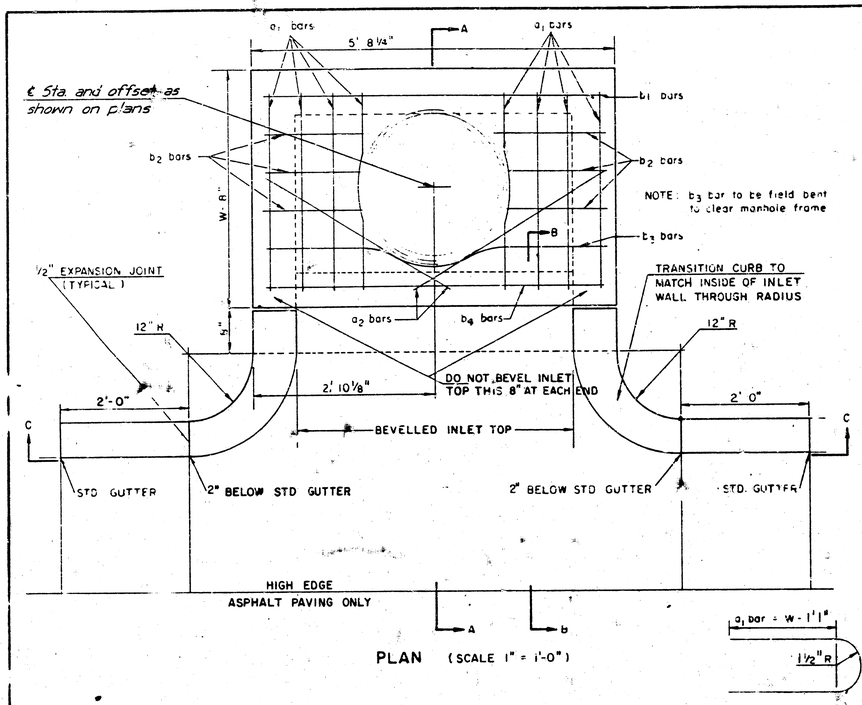
5. THE CONTRACTOR MUST ALSO NOTIFY THE TELEPHONE COMPANY 24 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION WORK NEAR BURIED TELEPHONE LINES.
6. THE CONTRACTOR SHALL BEGIN WORK WITHIN 10 CALENDAR DAYS AFTER THE NOTICE TO PROCEED AND SHALL COMPLETE THE WORK WITHIN 40 CALENDAR DAYS THEREAFTER. FAILURE TO COMPLETE THE WORK WITHIN THE ALLOTED TIME WILL RESULT IN THE CONTRACTOR BEING SUBJECT TO LIQUIDATED DAMAGES IN THE AMOUNT OF $400 PER DAY.
7. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE HIS WORK WITH OTHER CONTRACTORS ON THE PROJECT SITE, SUCH AS CONTRACTORS FOR SANITARY SEWER, WATER, DETENTION POND AND STREET IMPROVEMENTS.
8. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL BENCH MARKS, REFERENCE POINTS AND STAKES AND, IN CASE OF WILLFUL OR CARELESS DESTRUCTION, SHALL BE CHARGED WITH RESULTING EXPENSE AND SHALL BE RESPONSIBLE FOR ANY MISTAKES THAT MAY BE CAUSED BY THEIR UNNECESSARY LOSS OR DISTURBANCE.
9. EXCESS MATERIAL SHALL BE EMBANKED ON SITE AS DIRECTED BY THE ENGINEER.
10. BROKEN CONCRETE REMOVED BY THE STORM SEWER CONTRACTOR SHALL BE STOCKPILED FOR USE AS RIP RAP BY OTHER CONTRACTORS.
11. BROKEN ASPHALT REMOVED BY THE STORM SEWER CONTRACTOR SHALL BE DISPOSED ON SITE AS DIRECTED BY THE ENGINEER.
12. THE QUANTITIES SHOWN ARE APPROXIMATE AND ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL CONSTRUCT THE PROJECT ACCORDING TO THE INTENT OF THE PLANS AND SPECIFICATIONS AND SHALL SATISFY HIMSELF OF ALL WORK ITEMS AND QUANTITIES ACCORDINGLY. A LUMP SUM BID SHALL BE SUBMITTED FOR THE SATISFACTORY COMPLETION OF THE ENTIRE PROJECT.
13. THE OWNER WILL FURNISH HORIZONTAL CONTROL POINTS FOR LOCATING THE PRINCIPAL COMPONENTS OF THE WORK, TOGETHER WITH A SUITABLE NUMBER OF BENCH MARKS ADJACENT TO THE WORK. FROM THE INFORMATION PROVIDED BY THE OWNER, THE CONTRACTOR SHALL DEVELOP AND MAKE ALL DETAIL SURVEYS NEEDED FOR CONSTRUCTION, SUCH AS SLOPE STAKES, BLUE TOPS, BATTER BOARDS, TRENCH CUTS AND OTHER WORKING POINTS, LINES, AND ELEVATIONS.

No.	Revision	Date

GEORGETOWN II
STORM WATER SEWER IMPROVEMENTS
GENERAL PROJECT INFORMATION
KANSAS GENERAL PROPERTIES, INC.

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

Designed by CSB | Job No 36-82522-2 | Sht 2 of 6
Drawn by CAR | Date Dec. 1983



PLAN (SCALE 1" = 1'-0")

BENDING DIAGRAM

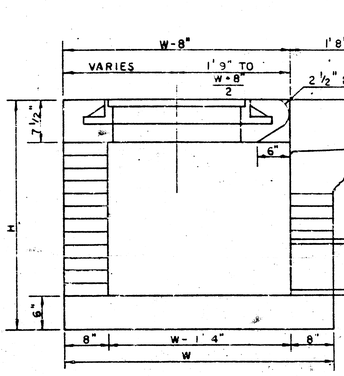
STEEL SCHEDULE

BAR		a_1	a_2*	W=4'2"	W=5'0"	b_1 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#
	W=5'0"	8' 1"	4'4"	–	5'5"	–	–	–	1'5"	5'6"	5'5"	77#
	W=6'0"	10' 1"	5'4"	–	–	5'5"	–	–	1'5"	5'6"	5'5"	97#
	W=7'0"	11' 1"	6'4"	–	–	–	5'5"	–	1'5"	5'6"	5'5"	111#
	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

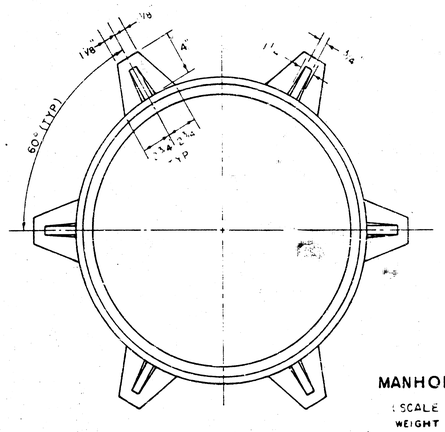
STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU YD CONC
4' 2"	36"x5'8 1/4"x7 1/2"	21" & SMALLER	0.46 *
5' 0"	44"x5'8 1/4"x7 1/2"	24" & 30"	0.57 *
6' 0"	54"x5'8 1/4"x7 1/2"	36" & 42"	0.71 *
7' 0"	64"x5'8 1/4"x7 1/2"	48" & 54"	0.84 *
8' 0"	74"x5'8 1/4"x7 1/2"	60" & 66"	0.97 *

* GROSS VOLUME

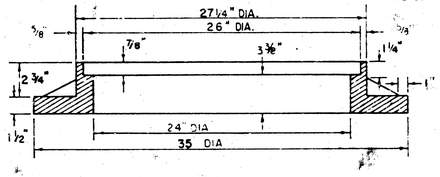


SECTION A-A
(SCALE 1" = 1'0")

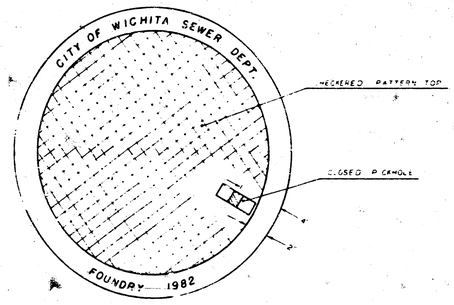
NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST CONCRETE FOR INLET TOPS AND FLOORS SHALL BE *STANDARD* PAVING MIX



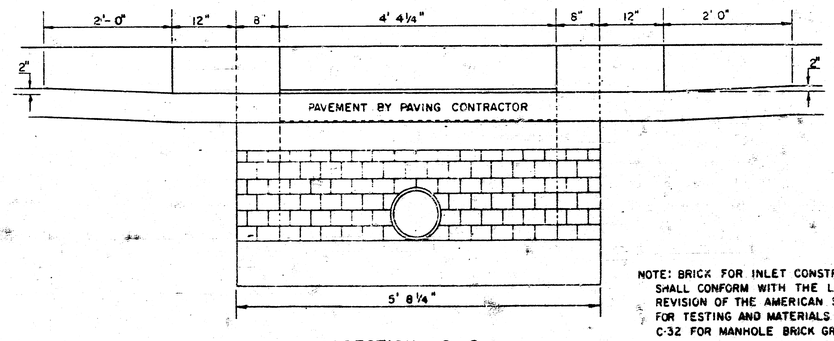
MANHOLE FRAME
(SCALE 1" = 6")
WEIGHT = 180 LBS.



MANHOLE COVER
Weight: 180 Lbs.

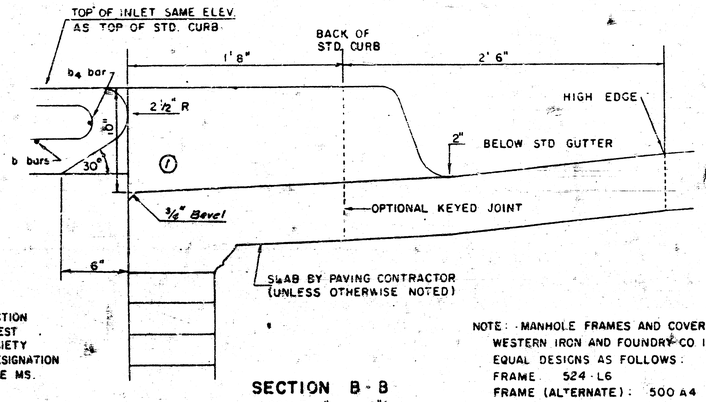


TOP VIEW



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"

No.	Revision	By	Date

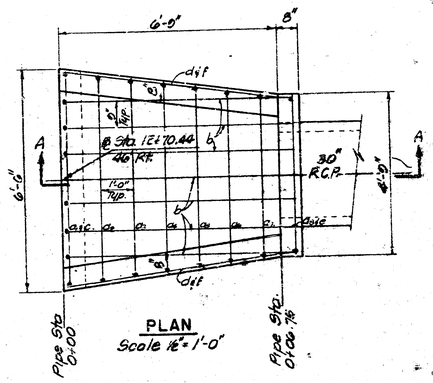
GEORGETOWN II
STORM WATER SEWER IMPROVEMENTS

TYPE IA CURB INLET

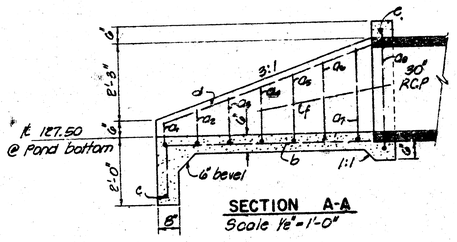
KANSAS GENERAL PROPERTIES, INC.

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

Designed by CITY	Job No. 56-82522-2	Sht. 3 of 6
Drawn by CITY	Date	



PLAN
Scale 1/2"=1'-0"



SECTION A-A
Scale 1/2"=1'-0"

a bars:

a_1	5'-8"
a_2	5'-0"
a_3	5'-3"
a_4	5'-0"
a_5	4'-8"
a_6	4'-0"
a_7	4'-3"
a_8	4'-1"

a_1 8" a_2 11" a_3 1'-3" a_4 1'-7" a_5 1'-11" a_6 2'-3" a_7 2'-7" a_8 3'-0"

7'-0"

b bars: 1'-6"

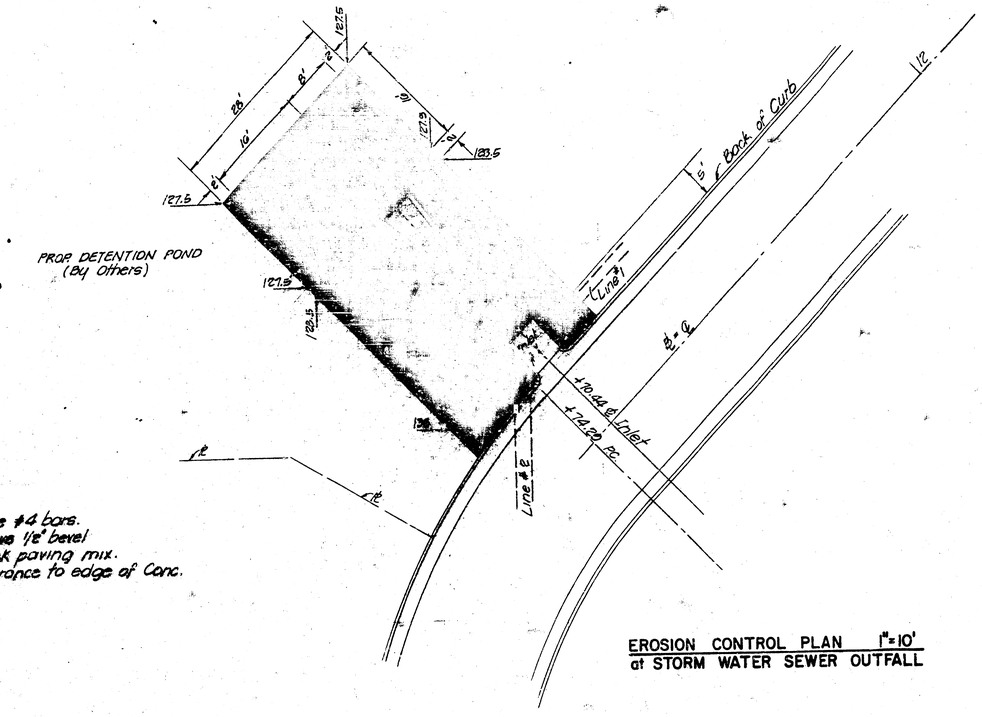
BENDING DIAGRAMS

BAR LIST				
Bar	Quantity	Length	Shape	Weight
a_1	1	7'-0"		4.68
a_2	1	7'-4"		4.90
a_3	1	7'-9"		5.18
a_4	1	8'-2"		5.46
a_5	1	8'-6"		5.68
a_6	1	9'-0"		6.01
a_7	1	9'-5"		6.29
a_8	1	11'-1"		7.40
b	7	8'-6"		35.87
c	1	6'-0"	—	4.01
d	2	7'-6"	—	10.02
e	1	4'-5"	—	2.95
f	2	4'-3"	—	5.68
Total Reinforcing Steel, Pounds				103.33
Total Concrete, Cubic Yards				2.01

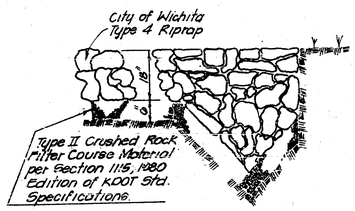
HEADWALL FOR 30" PIPE

Notes

1- All reinforcing steel shall be #4 bars.
2- All exposed edges shall have 1/2" bevel
3- All concrete shall be 6-Sack paving mix.
4- All bars to have 2" min. clearance to edge of Conc.



EROSION CONTROL PLAN 1"=10'
at STORM WATER SEWER OUTFALL



TYPICAL TOE DETAIL
ALL EDGES OF RIPRAP

No	Revision	By	Date

GEORGETOWN II
STORM WATER SEWER IMPROVEMENTS
REINFORCED CONCRETE HEADWALL
& EROSION CONTROL DETAILS
KANSAS GENERAL PROPERTIES INC.

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

Designed by	CSB	Checked by	CSB
Drawn by	CWK, ES.	Date	Dec. 1980

Job No. 80-03922-E
Sht. 4 of 6

PIPE STA. 1+67.30 =
℄ STA. 11+32.31, 15.92' RT.
CONSTRUCT INLET NO. 2
TYPE 1A CURB INLET, W=4'-2"
INSTALL 31.84 L.F. 15" RCP(NE)
INSTALL 494.58 L.F. 15" RCP (N)

PIPE STA. 0+00 =
℄ STA. 12+70.44, 46' RT.
BEGIN LINE NO. 1
CONSTRUCT R.C. HEADWALL
(SEE SHEET NO. 4)
INSTALL 22.42 L.F. 30" RCP(NE)

PLACE 153 SY.
TYPE 4 RIPRAP
SEE SHEET No 4

PROPOSED
DETENTION POND
(BY OTHERS)

BLOCK 2

RESERVE A

℄ STA. 11+32.31, 15.92' LT.
CONSTRUCT INLET NO. 3
TYPE 1A CURB INLET, W=4'-2"
TOP ELEV. = 138.04
F OUT = 133.09

PIPE STA. 0+29.17 =
℄ STA. 12+70.44, 16.83' RT.
CONSTRUCT INLET NO. 1
TYPE 1A CURB INLET, W=6'-0"
INSTALL 138.13 L.F. 18" RCP (NW)
(LINE NO. 1)

PROPOSED
8" SANITARY SEWER
(BY OTHERS)

LINE NO. 2
SEE SHT. NO. 6

GEORGETOWN

BLOCK 1

℄ CURVE DATA (ARC)
Δ = 45°13'42"
D = 53°17'54"
R = 107.50'
T = 44.78'
L = 84.86'

℄ CURVE DATA (ARC)
Δ = 45°00'00"
D = 61°56'29"
R = 92.50'
T = 38.31'
L = 72.65'

PIPE STA. 6+96.23 =
℄ STA. 6+38.54, 15.92' RT.
CONSTRUCT INLET NO. 5
TYPE 1A CURB INLET, W=4'-2"
END LINE NO. 1

RESERVE B

RESERVE 'C' (UTILITIES, DRAINAGE, PRIVATE STREETS)

20' UTILITY, DRAINAGE & STREET EASEMENT

80' TRANS.
FROM 25' B-B
TO 29' B-B

PIPE STA. 6+61.88 =
℄ STA. 6+38.54, 18.43' LT.
CONSTRUCT INLET NO. 4
TYPE 1A CURB INLET, W=4'-2"
INSTALL 34.35 L.F. 15" RCP (W)
INSTALL 10" C.I.P. STUB (E)

TERRACE

PROPOSED 8" WATER LINE
(BY OTHERS)

4" CHAIN LINK FENCE
CONC. BLOCK RET. WALL
5' WOOD FENCE
CONC. CURBS
EDGE OF ASPHALT DRIVE
ASPHALT
8"W
10' UTILITY EASEMENT
20' UTILITY, DRAINAGE & STREET EASEMENT

SCALE:
PLAN: LAT. & LONG. 40 0 40 80
PROFILE: HORIZ. SAME AS ABOVE
VERT. 0 5

Revised 2-8-84 Added 10" Stub at Inlet No. 4

PIPE STA. 0+00
CONSTRUCT RE'NF. CONC. HEADWALL
℄ OUT = 127.30

PIPE STA. 0+29.17
CONSTRUCT INLET NO. 1
TOP ELEV. = 140.96
℄ OUT = 130.60
℄ IN = 131.00

PIPE STA. 1+67.30
CONSTRUCT INLET NO. 2
TOP ELEV. = 138.04
℄ OUT = 132.55
℄ IN = 132.77

PIPE STA. 6+36.23
CONSTRUCT INLET NO. 5
TOP ELEV. = 145.85

PIPE STA. 6+38.54
CONSTRUCT INLET NO. 4
TOP ELEV. = 145.85

10"C.I.P. STUB (E)
℄ 140.28

APPROX. EXIST. GROUND @ ℄ PIPE

8" IN = 131.00
FROM INLET PT. NO. 6
(SEE LINE NO. 2)

8" IN = 132.77
FROM INLET NO. 3 (LINE)

22.42 L.F. 30" RCP
@ + 15.81%

138.13 L.F. 18" RCP
@ + 1.10%

494.58 L.F. 15" RCP
@ + 1.50%

34.35 L.F. 15" RCP
@ + 1.00%

155
150
145
140
135
130
125

0+00

GEORGETOWN II ADDITION
STORM WATER SEWER IMPROVEMENTS
LINE NO. 1

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

KANSAS GENERAL PROPERTIES, INC.

Job No. 36-82522-2-1540
Date December 23, 1983

5/6

Note: Changes due to field adjustment

℄ CURVE DATA (ARC)
Δ = 45°00'00"
D = 67°24'24"
R = 85.00'
T = 56.76'
L = 66.76'

℄ CURVE DATA (ARC)
Δ = 45°00'00"
D = 61°56'29"
R = 92.50'
T = 38.31'
L = 72.65'

8" SANITARY SEWER TO BE ABANDONED

PIPE STA. 3+45.78 =
℄ STA. 16+12.94, 16.83' LT.
CONSTRUCT INLET NO. 7
TYPE 1A CURB INLET, W = 6'-0"
INSTALL 49.79 L.F. 24" RCP (NE)

PLUG 8" SANITARY SEWER IF BROKEN BY TRENCHING

PIPE STA. 0+83.89 =
℄ STA. 13+50.78, 16.33' LT.
CONSTRUCT INLET NO. 6
TYPE 1A CURB INLET, W = 5'-0"
INSTALL 261.89 L.F. 30" RCP (E)

PROPOSED 8" WATER LINE (BY OTHERS)

20' UTILITY, DRAINAGE & STREET EASEMENT

8"W 12.5' 8"W

+ 74.29 P.C.

13 14 15 GEORGETOWN 16 17

8"S.S.

+ 46.94 P.T.

10' UTILITY, DRAINAGE & STREET EASEMENT

PROPOSED 8" SANITARY SEWER (BY OTHERS)

+ 71.94 P.C.

RESERVE A

16 15 14 13 12 11

PIPE STA. 0+00, LINE NO. 2 =
PIPE STA. 0+29.17, LINE NO. 1 =
℄ STA. 12+70.44, 16.83' RT. (INLET NO. 1)
INSTALL 83.89 L.F. 30" RCP (E)

109.27

PIPE STA. 3+95.57 =
℄ STA. 16+85, 16.83'LT.
CONSTRUCT INLET NO. 8
TYPE 1A CURB INLET, W = 6'-0"
INSTALL 271.51 L.F. 24" RCP (N)

BLOCK 1

INLET NO. 7

PROPOSED 8" WATER LINE (BY OTHERS)

20' UTILITY, DRAINAGE & STREET EASEMENT

8"W 12.5' 8"W 8"W

16 17 18 19 20 GEORGETOWN 21 22

8"S.S. 8"S.S. 8"S.S. 8"S.S. 8"S.S.

10' UTILITY, DRAINAGE & STREET EASEMENT

+ 09.84 P.T.

PROPOSED 8" SANITARY SEWER (BY OTHERS)

℄ CURVE DATA (ARC)
Δ = 89°44'46"
D = 91°40'24"
R = 62.50'
T = 62.22'
L = 97.90'

11 10 9 8 7 6 5 4

PIPE STA. 6+67.08 =
℄ STA. 19+63.64, 16.33' LT.
CONSTRUCT INLET NO. 9
TYPE 1A CURB INLET, W = 5'-0"
INSTALL 236.36 L.F. 21" RCP (N)

10' UTILITY EASEMENT

PIPE STA. 9+03.44 =
℄ STA. 22+00, 15.92' LT.
CONSTRUCT INLET NO. 10
TYPE 1A CURB INLET, W = 4'-2"
INSTALL ~~145.98~~ 147.77 L.F. 18" RCP (NW)

PIPE STA. ~~10+49.34~~ 23+61.83 = 10+51.21
℄ STA. ~~23+64.38~~, 17.42' LT.
CONSTRUCT INLET NO. 11
TYPE 1A CURB INLET, W = 4'-2"
INSTALL 35.84 L.F. 15" RCP (NE)
INSTALL 10" CIP STUB (S.W.)

℄ CURVE DATA (ARC)
Δ = 45°00'00"
D = ~~67°24'24"~~ 72°57'17"
R = ~~85.00'~~ 78.54'
T = ~~56.76'~~ 32.53
L = ~~66.76'~~ 61.68

3 + 40.43 P.C.

BLOCK 2

PIPE STA. 10+85.18 =
℄ STA. 25+64.38, 18.42' RT.
CONSTRUCT INLET NO. 12
TYPE 1A CURB INLET, W = 4'-2"
END LINE NO. 2

+ 10.67 P.C.

10' UTILITY EASEMENT

℄ CURVE DATA (ARC)
Δ = 45°00'00"
D = 63°38'43"
R = 90.00'
T = 37.28'
L = 70.69'

SCALE:
PLAN: LAT. & LONG. 40 0 40 80
PROFILE: HORIZ. SAME AS ABOVE
VERT. 10 0

Revised 4-12-84 Top elev. inlet no. 8
Revised 2-20-84 Changed grade between inlets 10 and 12.
Revised 2-8-84 Added 10" Stub at inlet No. 11

PLAN — SURVEYED; PLOTTED; GRADES CHECKED; R/W STAKED; ST. OF WAY CHECKED; NOTE BOOK; NO.; STRUCTURE NO.ATTACHED; DATE; BY

PROFILE — SURVEYED; PLOTTED; GRADES CHECKED; R/W STAKED; NOTE BOOK; NO.; STRUCTURE NO.ATTACHED; DATE; BY

PIPE STA. 0+00 = CONSTRUCT INLET NO. 1 SEE SHEET 5 — INLET = 131.00 — OUT = 129.96 — IN = 131.56 — 83.89 L.F. 30" RCP @ + 0.55%

PIPE STA. 0+83.89 = CONSTRUCT INLET NO. 6 TOP ELEV. = 137.70 — OUT = 132.78 — IN = 133.24 — 26.89 L.F. 30" RCP @ + 0.45% — E 130.08

PIPE STA. 3+45.78 = CONSTRUCT INLET NO. 7 TOP ELEV. = 137.40 — OUT = 133.29 — IN = 133.79 — 49.79 L.F. 24" RCP @ + 1.00% — E 128.68

PIPE STA. 3+95.57 = CONSTRUCT INLET NO. 8 TOP ELEV. = 139.48 — OUT = 134.79 — IN = 135.29 — 271.51 L.F. 24" RCP @ + 0.55% — E 127.21

PIPE STA. 6+67.08 = CONSTRUCT INLET NO. 9 TOP ELEV. = 139.48 — OUT = 136.26 — IN = 136.48 — 236.36 L.F. 21" RCP @ + 0.95% — E 125.76

PIPE STA. 9+03.44 = CONSTRUCT INLET NO. 10 TOP ELEV. = 143.89 — OUT = 138.99 — IN = 139.94 — 147.77 L.F. 18" RCP @ + 1.00% — E 124.57

PIPE STA. ~~10+49.34~~ 23+61.83 = 10+51.21 CONSTRUCT INLET NO. 11 TOP ELEV. = 144.57 — OUT = 140.40 — IN = 140.86 — 35.84 L.F. 15" RCP @ + 1.00% — E 139.91

PIPE STA. 10+85.18 = CONSTRUCT INLET NO. 12 TOP ELEV. = 144.57 — OUT = 140.50 — IN = 140.86 — E 139.91

APPROX. EXIST. GROUND @ ℄ PIPE

8" San. Sewer (by others) E=130.50

8" SAN. SEW. TO BE ABANDONED

10" CIP Stub (S.W.) E=140.40

8" San. Sewer (by others)

0.99%

0+00 1 2 3 4 5+00 6 7 8 9 10+00 10 11

GEORGETOWN II ADDITION
STORM WATER SEWER IMPROVEMENTS
LINE NO. 2
KANSAS GENERAL PROPERTIES, INC.

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

Designed by csb
Drawn by vda cwk

Job No. 36-825.02-2-1241
Date December 23, 1983

Sht. 6 of 6