CONSTRUCTION PLANS FOR

STREET IMPROVEMENTS

IN

GEORGETOWN II ADDITION

WICHITA, KANSAS

KANSAS GENERAL PROPERTIES, INC.

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"	6	" " STA 6+50 TO STA 14+25
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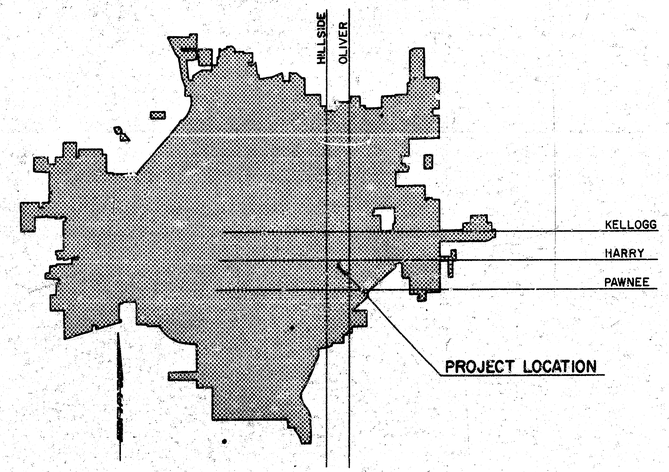
"	9-16	CROSS SECTIONS



LOCATION MAP

DECEMBER 1983

PLANS PREPARED BY

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

CHARLES S. BRUNS LICENSED 7581 KANSAS PROFESSIONAL ENGINEER

1/8

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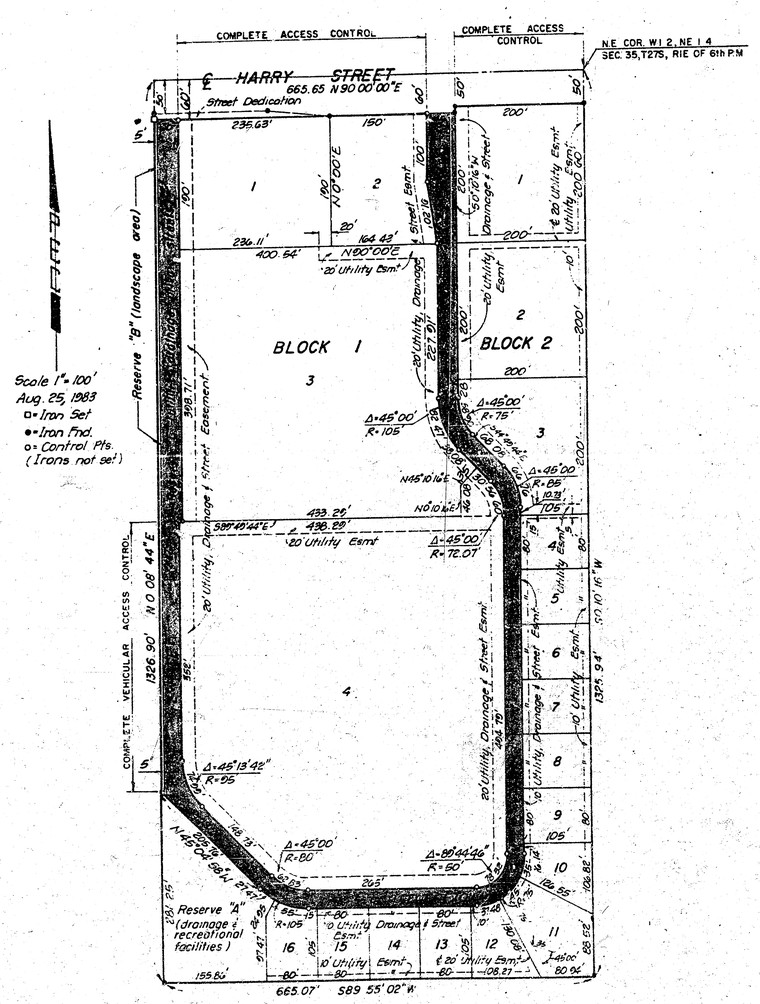
GEORGETOWN II
Wichita, Sedgwick County, Kansas.



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 NO.	DESCRIPTION	QUANTITY	UNIT
1.	UNCLASSIFIED EXCAVATION	4,541	C.Y.
2.	6" LIME TREATED SUBGRADE	8,913	S.Y.
3.	7" ASPHALT PAVEMENT	6,694	S.Y.
4.	2" ASPHALT BASE	1,860	S.Y.
5.	STANDARD CURB AND GUTTER	4,421	L.F.
6.	ROLL TYPE CURB AND GUTTER	83	L.F.
7.	MEDIAN CURB & GUTTER	160	L.F.
8.	SPECIAL ROLL CURB AND GUTTER	952	L.F.
9.	INLET CONNECTIONS	12	Ea.

EARTHWORK SUMMARY	
UNCLASSIFIED EXCAVATION	4,541 C.Y.
FILL	1,406 C.Y.*
EXCESS MATERIAL	3,135 C.Y.**

* INCLUDES ADDITIONAL 25% FOR SHRINKAGE

** SEE GRADING SEC'S. THIS SHEET

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

   CITY OF WICHITA PUBLIC WORKS
   ENGINEERING DEPARTMENT
   455 NORTH MAIN STREET
   268-4501, DON SCHNEIDER

   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 60 CALENDAR DAYS THEREAFTER. FAILURE TO COMPLETE THE WORK WITHIN THE ALLOTTED 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 HARRY 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 STREET CONTRACTOR SHALL BE STOCK-PILED FOR OTHER CONTRACTORS IF SUITABLE FOR RIP RAP
11. BROKEN ASPHALT REMOVED BY THE STREET CONTRACTOR SHALL BE DISPOSED 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 LINES AND OTHER WORKING POINTS, LINES, AND ELEVATIONS.

CHARLES S. BROWN LICENSED 7581 KANSAS PROFESSIONAL ENGINEER

No.	Revision	By	Date
1	Unc. Exc. Qty.; Add Earthwork Sum.	CB	2-29-84

GEORGETOWN II
STREET 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 16
Drawn by ES	Date	

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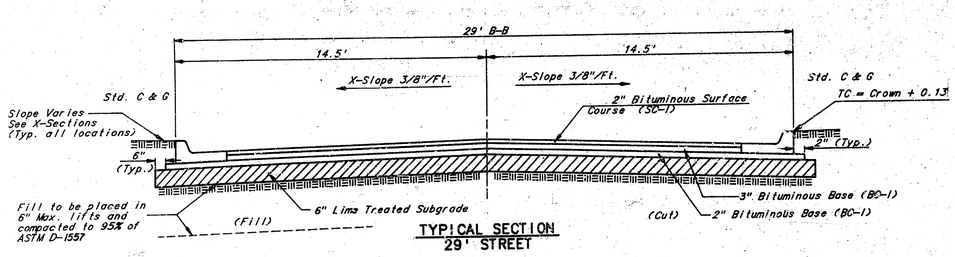
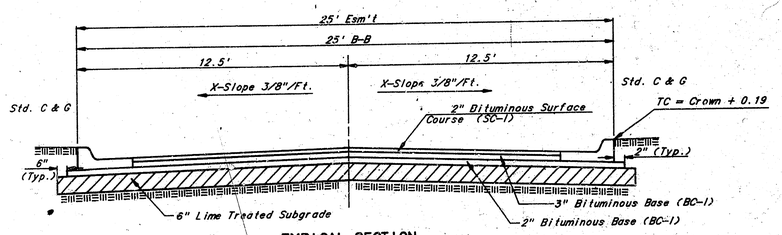


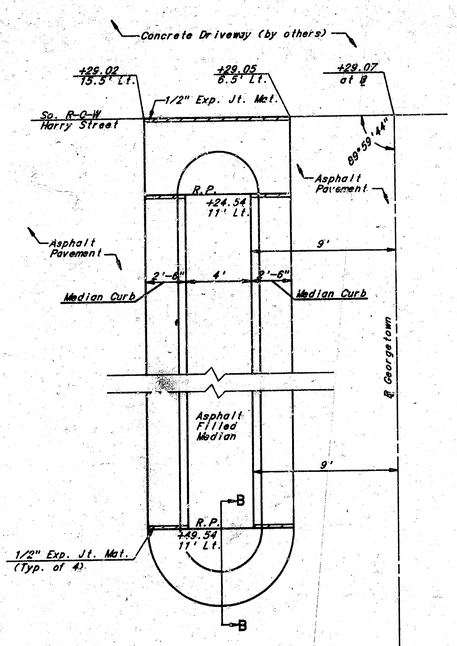
TYPICAL SECTION
29' STREET

Sta. 0+99.99 to Sta. 6+08.70
Sta. 22+72.35 to Sta. 26+39.02

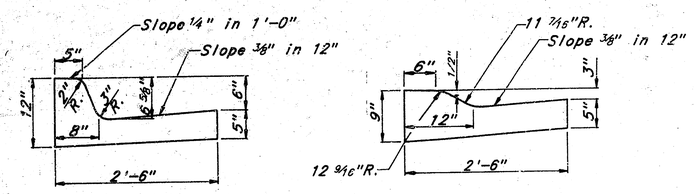


TYPICAL SECTION
25' STREET

Sta. 6+88.70 to Sta. 12+74.29

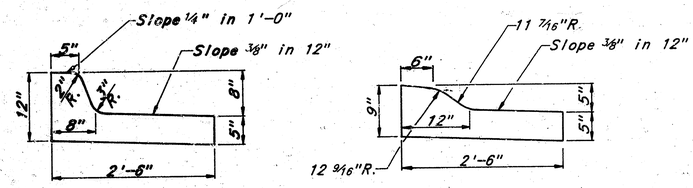


RAISED MEDIAN DETAIL
PLAN 1" = 4'



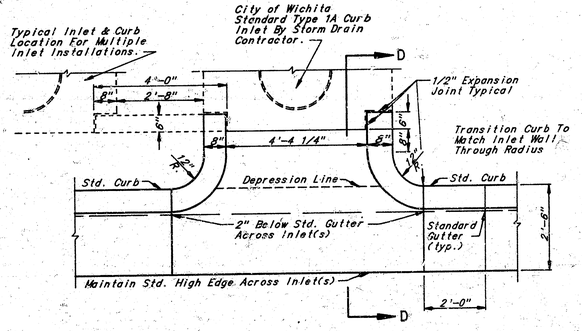
STANDARD COMBINED CURB & GUTTER

ROLL TYPE COMBINED CURB & GUTTER

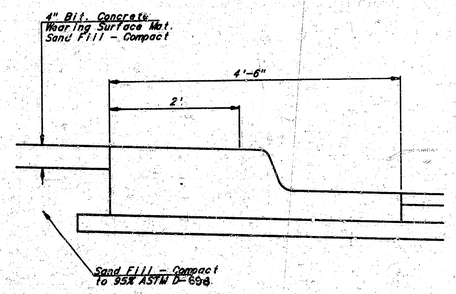


MEDIAN CURB & GUTTER DETAIL

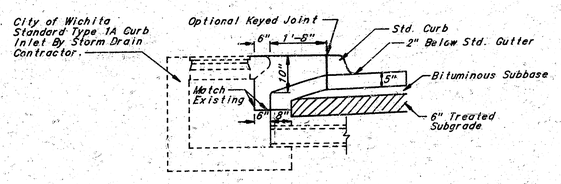
SPECIAL ROLL TYPE COMBINED CURB & GUTTER



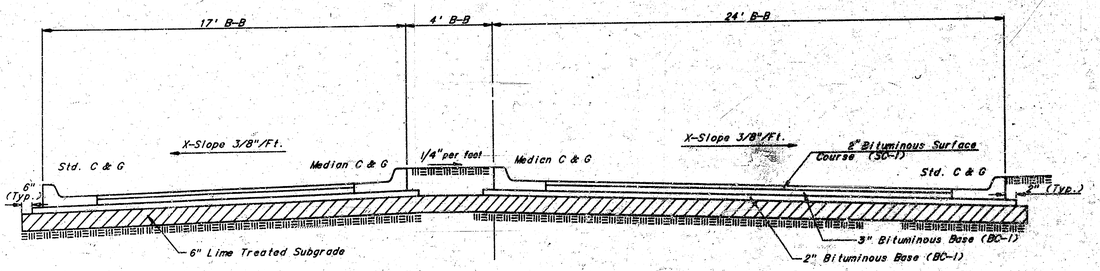
INLET CONNECTION DETAIL



SECTION B-B



SECTION D-D



TYPICAL SECTION
45' STREET WITH MEDIAN

Sta. 27+47.04 to Sta. 28+24.54

GENERAL NOTES

1) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1HD SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.
2) BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.
3) CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.
4) SUBGRADE SHALL BE TREATED WITH 2% (BY WEIGHT) HYDRATED LIME AND COMPACTED TO A DEPTH OF 6" TO A MINIMUM 95% ASTM-D-1557

CHARLES S. BROWN LICENSED 7581 KANSAS PROFESSIONAL ENGINEER

No.	Revision	By	Date
1	Revised Surface Course Thickness per City	ES	Feb 10, 84

GEORGETOWN II
STREET IMPROVEMENTS

TYPICAL SECTIONS & PAVING DETAILS

KANSAS GENERAL PROPERTIES, INC.

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

Designed by CSB	Job No.	Sht. 3 of 16
Drawn by CR, RM	Date DECEMBER 1983	

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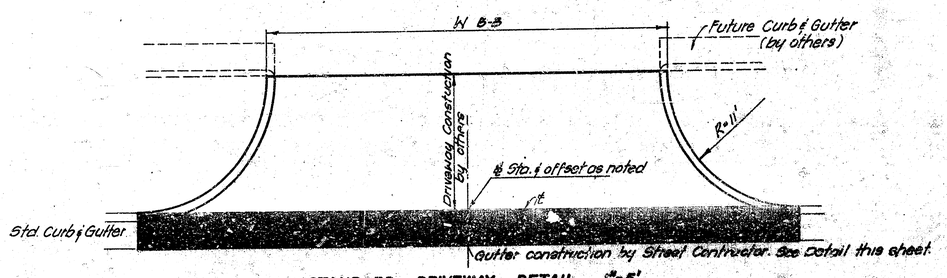
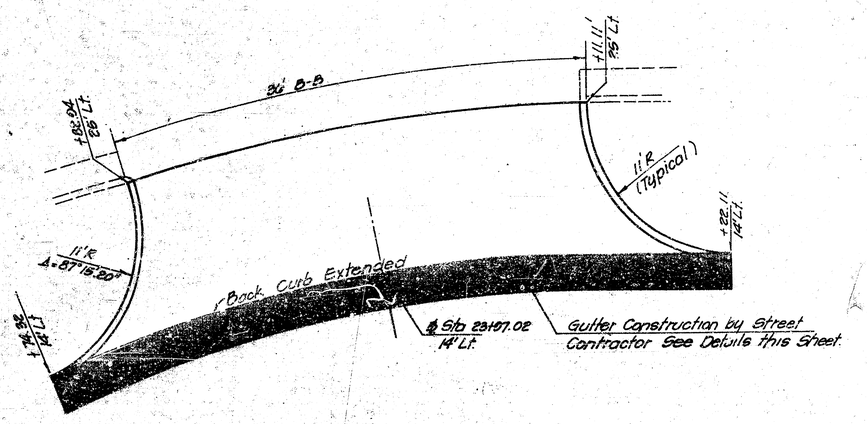
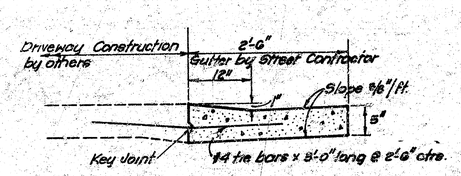


STANDARD DRIVEWAY DETAIL 1"=5'

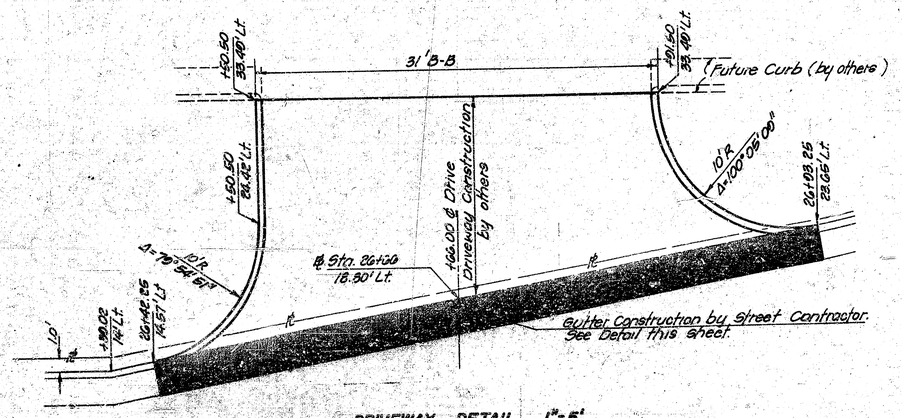
℄ Sta. 24+19.70 10.5' Lt. W=31', R=11'
℄ Sta. 31+81.70 10.5' Lt. W=31', R=11'
℄ Sta. 51+31.20 10.5' Lt. W=30, R=11'
℄ Sta. 25+49.61 14' Lt. W=36, R=11'



DRIVEWAY DETAIL 1"=5'
℄ Sta. 23+97.02 14' Lt.



GUTTER DETAIL
at FUTURE DRIVEWAY LOCATIONS



DRIVEWAY DETAIL 1"=5'
℄ Sta. 26+66, 18.80' Lt.

CHARLES S BROWN
LICENSED
7581
KANSAS
PROFESSIONAL ENGINEER

Note: All driveways shown on Plan Sheets 6 & 8 and detailed on this sheet shall be constructed by others. Street Contractor shall construct gutter with blocked-out curb in these areas to facilitate the future driveway construction. See Details this sheet.

No	Revision	By	Date

GEORGETOWN II
STREET IMPROVEMENTS

DRIVEWAY DETAILS

KANSAS GENERAL PROPERTIES INC.

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

Designed by	C.S.B	Job No. 36-82522-2	
Drawn by	C.S.	Date	Sh 4 of 16

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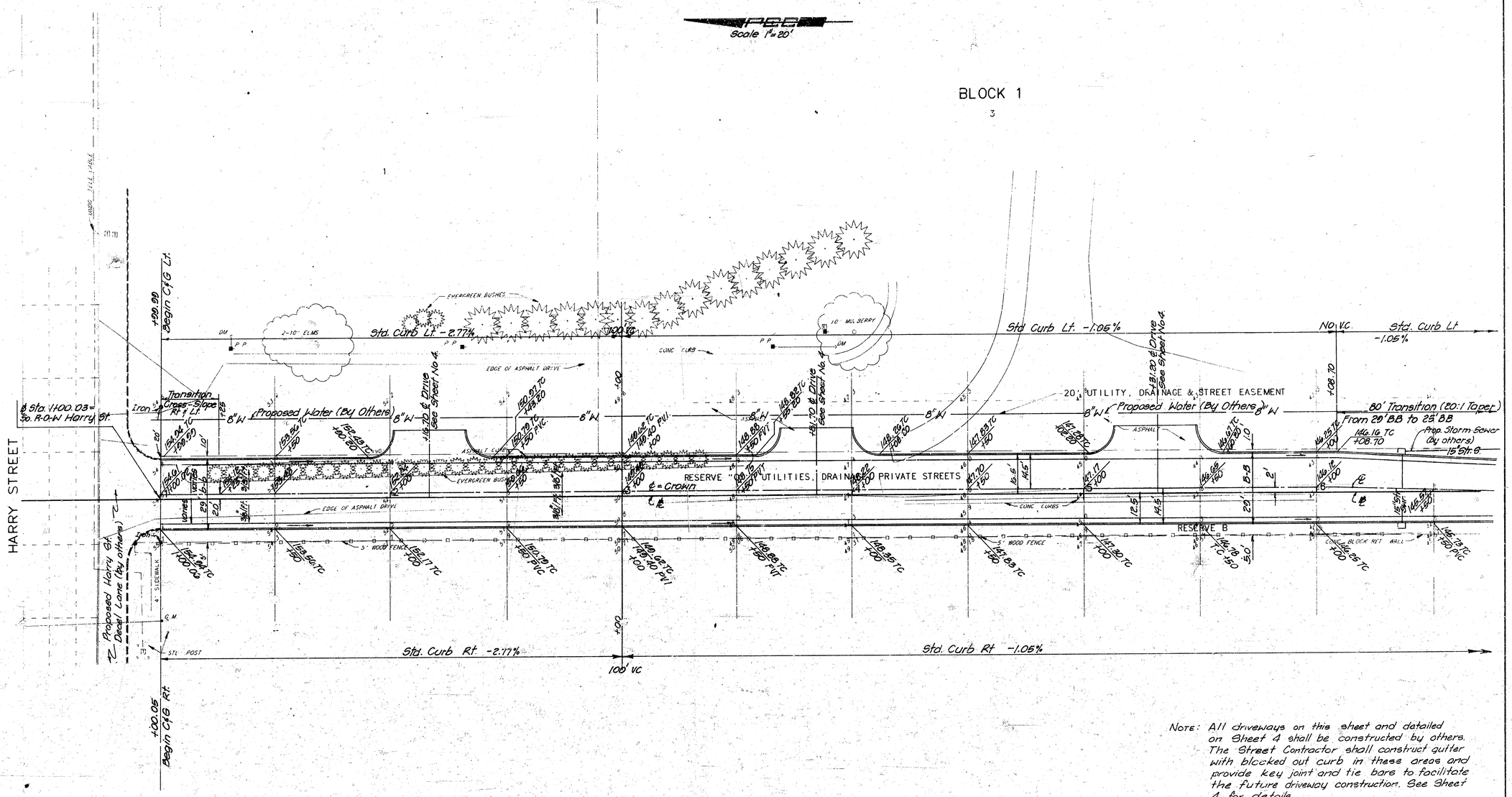

NOTE: All driveways on this sheet and detailed on Sheet 4 shall be constructed by others. The Street Contractor shall construct gutter with blocked out curb in these areas and provide key joint and tie bars to facilitate the future driveway construction. See Sheet 4 for details.

No.	Revision	By	Date
1	Revised Crown Grade @ Sta 1+00.02 per City	E.S.	2-10-84

GEORGETOWN II
STREET IMPROVEMENTS

STA. 0+99.99 to STA. 6+50

KANSAS GENERAL PROPERTIES INC.

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

5/8

Designed by C.S.B.	Job No. 36-82522-2	Sht. 5 of 16
Drawn by Yd, E.S.	Date	

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Scale 1"=20'

BLOCK 1

Φ-Φ Curve Data (Arc)
Δ=45°18'42"
D=53°17'54"
R=107.50'
T=44.78'
L=84.86'

Φ-Φ Curve Data (Arc)
Δ=45°00'00"
D=61°56'20"
R=92.50'
T=38.31'
L=72.66'

GEORGETOWN

TERRACE

BLOCK 2

RESERVE A

RESERVE B

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

20' UTILITY, DRAINAGE & STREET EASEMENT

10' UTILITY, DRAINAGE & STREET EASEMENT

Std. Curb Lt. -1.05%

Std. Curb Lt. -2.50 %

Std. Curb Lt. -1.00 %

Std. Curb Lt. -1.13%

Std. Curb Lt. +0.38%

Std. Curb Lt. -0.46%

Std. Curb Lt. -0.88%

Std. Curb Lt. +0.34%

Std. Cb Lt. +0.34%

Std. Curb Rt. -1.05%

Std. Curb Rt. -2.50 %

Std. Curb Rt. -1.00 %

Std. Curb Rt. -0.88%

Std. Cb Rt. +0.34%

Special Roll Curb Rt. +0.38%

Transition from Roll cb to Special Roll cb Rt. E +0.61%

Transition from Std. Curb to Roll Curb Rt. TC -3.40% E +0.61%

80' Transition (20:1 taper) From 28' B-B to 25' B-B

8"W Proposed Water (By Others)

8"W

Prop. Storm Sewer (By Others)

15" Str. S.

18" Str. S.

B-C = Crown

Pl. No VC.

100' VC

50' VC.

PI 1+50

PI 1+80

+46.94 P.T.

+74.20 P.C.

+40.70 P.C.

+25.56 P.T.

+38.31 P.T.

+46.04

+40.61

+40.10

+40.00

+39.90

+39.80

+39.70

+39.60

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+6.10

+6.00

+5.90

+5.80

+5.70

+5.60

+5.50

+5.40

+5.30

+5.20

+5.10

+5.00

+4.90

+4.80

+4.70

+4.60

+4.50

+4.40

+4.30

+4.20

+4.10

+4.00

+3.90

+3.80

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+1.00

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+0.80

+0.70

+0.60

+0.50

+0.40

+0.30

+0.20

+0.10

+0.00

-0.10

-0.20

-0.30

-0.40

-0.50

-0.60

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-0.90

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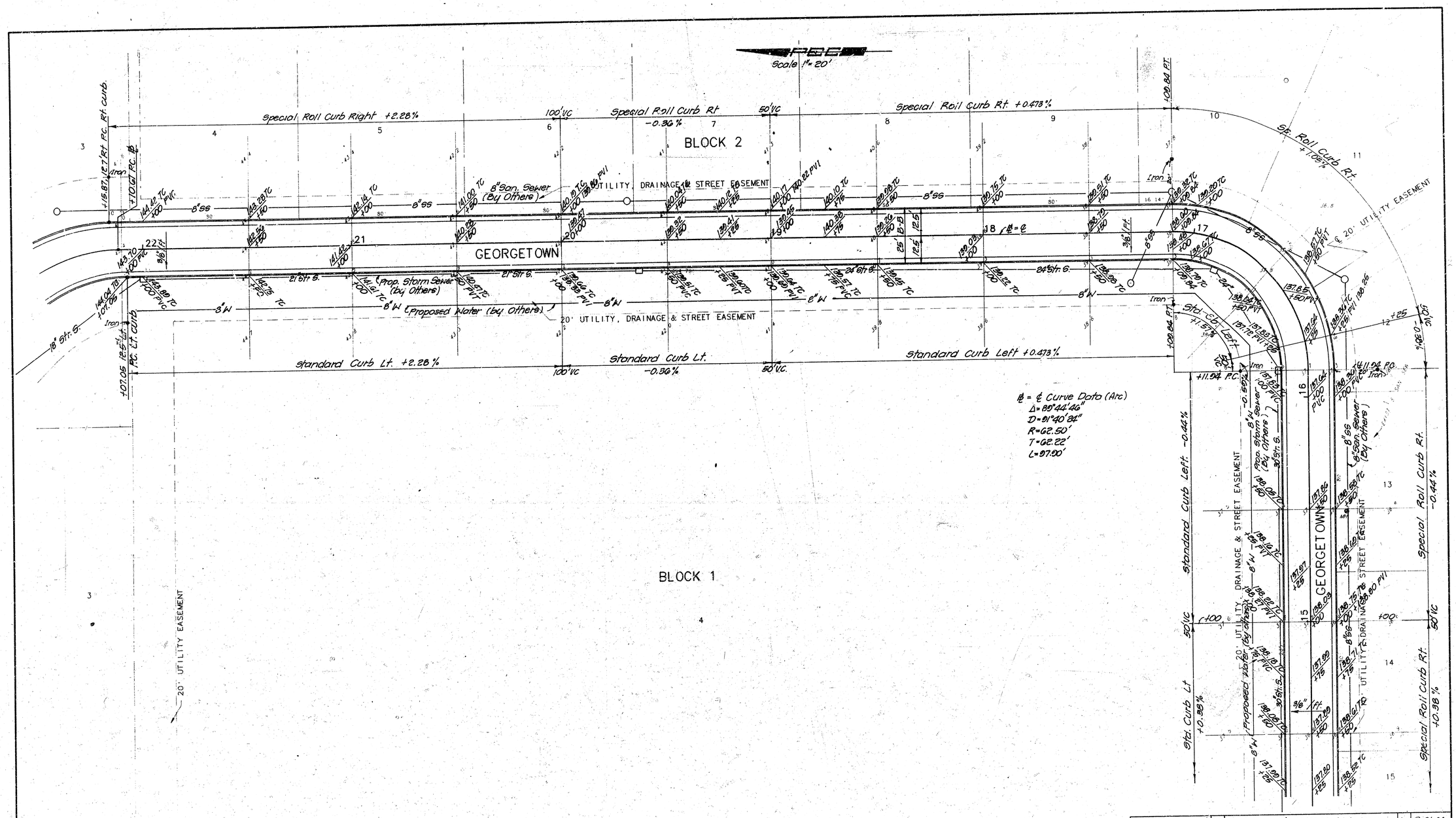
-3.80

-3.90

-4.00



No.	Revision	By	Date
1	St. Grades Sta 17+09.84 to 22+07.05	ES	2-21-84

GEORGETOWN II
STREET IMPROVEMENTS

STA. 14+25 to STA 22+07.05

KANSAS GENERAL PROPERTIES INC.

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

7/8

Designed by CSB | Job No. 30-82622-2 | Sht. 7 of 12
Drawn by YD. ES | Date

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Scale 1"=20'

BLOCK 2

BLOCK 1

℄ 20' UTILITY EASEMENT

20' UTILITY, DRAINAGE & STREET EASEMENT

GEORGETOWN ℄ Crown 7 Baseline

HARRY STREET

Standard Curb Right +1.42 %

Standard Curb Left +1.42 %

Standard Curb Lt. +1.42 %

Standard Curb Lt. +1.73

Median Curb 0 & 13' Lt. 8"W

Transition Cross-Slope

End Curb & Gutter

Prop. Water (By Others) 8"W

8"San. Sewer (By. Others)

Prop Storm Sewer (By others)

Prop San Sewer (By others)

Proposed Water (By others)

Sp. Roll Curb Rt. +2.11 %

Sp. Roll Cb. Rt. 100'VC -0.41 %

Sp. Roll Curb Rt. +2.28 %

Std. Cb Rt. 50'VC +1.20 %

Std. Curb Left -0.36 %

Standard Curb Left -0.44 %

Std. Curb +0.98 %

Transition from Spec. Roll Curb to Std. Curb Rt.

Transition Cross-Slope

Remove Trees & Shrubs as required

Proposed Harry St. Decel Lane (By Others)

Proposed Harry St. 30' Lt. End Curb & Gutter

Iron at P.I. Easm't.

See Sheet No. 4

See Sheet 5

Iron

Crown

Slope Varies

EVERGREEN BUSHES Left

Curve Data (Arc) Back Right Curb
Δ = 45°00'00"
D = 67°24'24"
R = 85.00'
T = 35.21'
L = 66.76'

℄ Curve Data (Arc)
P.I. Sta. 23+73.83
Δ = 45°00'00"
D = 63°39'43"
R = 90.00'
T = 37.28'
L = 70.69'

℄ Curve Data (Arc)
P.I. Sta. 22+39.82
Δ = 45°00'00"
D = 72°57'17"
R = 78.536
T = 32.53'
L = 61.86'

Curve Data (Arc) Back Left Curb
Δ = 45°00'00"
D = 82°15'02"
R = 69.66'
T = 28.85'
L = 54.71'

Note: All driveways shown on this sheets and detailed on Sheet 4, shall be constructed by others. Street Contractor shall construct gutter with blocked out curb in these areas & provide key joints & tie bars to facilitate the future driveway construction. See Sheet 4 for details.

No.	Revision	By	Date
1	Revised Median Grades per City Review	ES	2-10-84
1	Grades Sta 22+07.05 to 28+29.11	ES	2-21-84

GEORGETOWN II
STREET IMPROVEMENTS

STA 22+07.05 to STA 28+29.11

KANSAS GENERAL PROPERTIES INC.

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

Designed by C.S.B
Drawn by Yd. C.S.
Job No. 36-82522-2
Date
Sht. 8 of 16
8/8

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