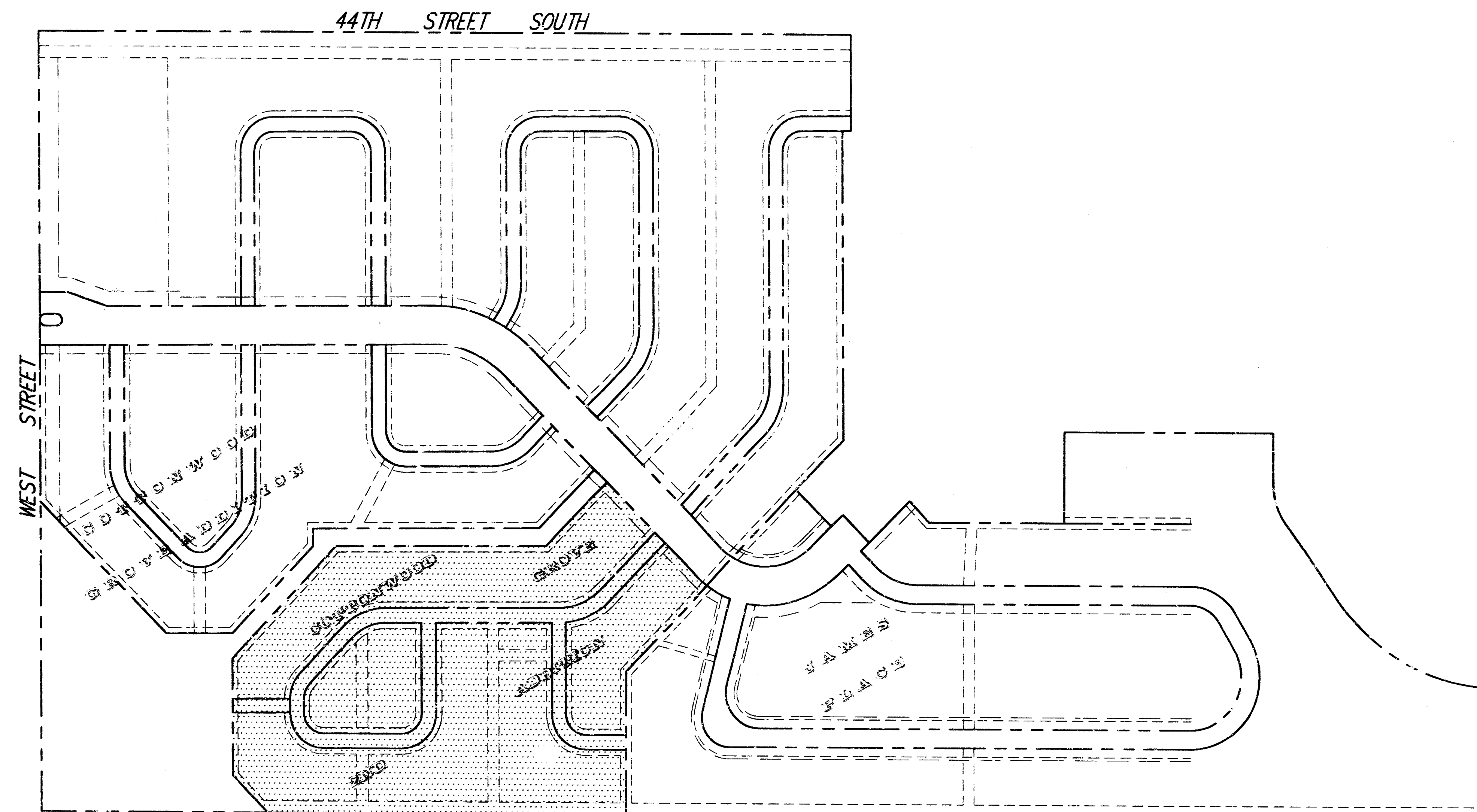
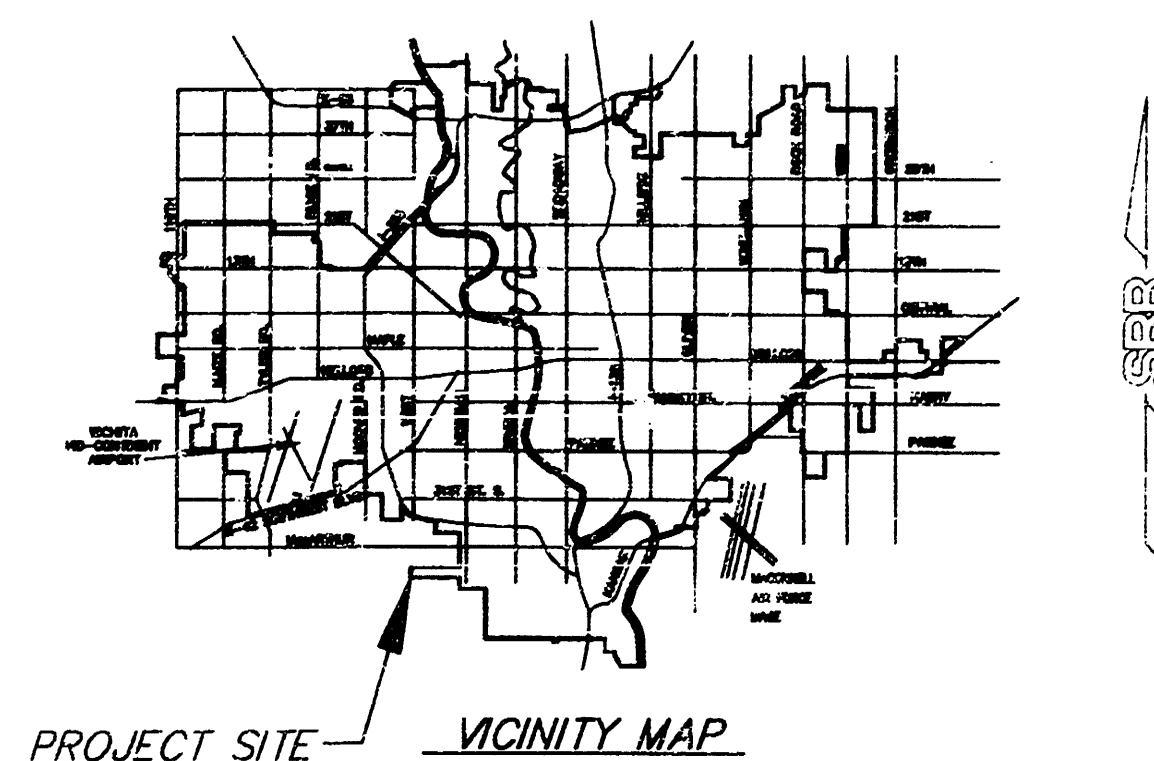


SITE DEVELOPMENT PLANS
COTTONWOOD GROVE 2ND ADDITION
 INCLUDING PRIVATE STORM SEWER #684 PPS (607861)



Scale 1" = 150'



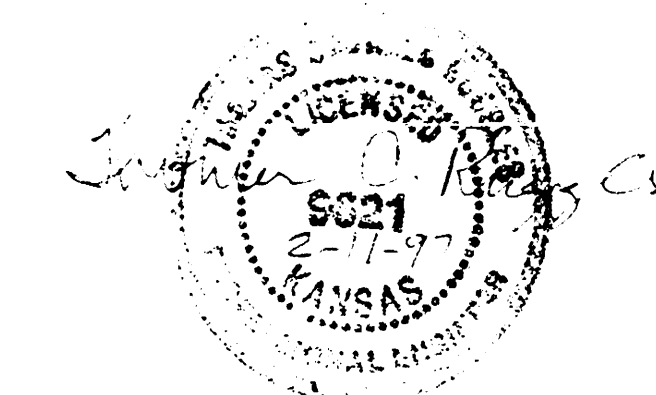
INDEX OF SHEETS

- | | |
|----|------------------------------|
| 1. | TITLE SHEET |
| 2. | SITE PLAN |
| 3. | SITE UTILITIES PLAN |
| 4. | SITE GRADING & PAVEMENT PLAN |
| 5. | STORM SEWER PLAN & DETAILS |
| 6. | SITE DETAILS |

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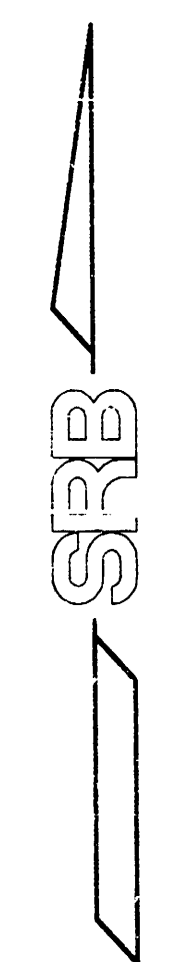
BENCH MARKS

- * " CUT ON TOP OF S. CURB 44TH ST. S.
- E. END OF CURVE ON N. SIDE OF LOT 3, BLOCK 2, COTTONWOOD GROVE ADDITION; ELEV. 95.40
- * " CUT ON TOP OF HUBGUARD
- CENTER OF E. GUARDRAIL OF ROBC ON WEST ST. S. OF 44TH ST.; ELEV. 94.19



"AS BUILT" 5-21-97 TEB

SRB 924 NORTH MAIN 316-264-8008
 WICHITA, KANSAS 67203 FAX 264-4621
SAVOY, RUGGLES & BOHM, P.A.
 ENGINEERING & SURVEYING



- RUNOFF CALCULATIONS:**

$D.A. = 7.3 \text{ Acres}$	$T_c = 15 \text{ Min.}$
$C_2 = 0.60$	$C_{100} = 0.65$
$I_2 = 3.83''/\text{hr.}$	$I_{100} = 7.37''/\text{hr.}$
$Q_2 = 16.8 \text{ cfs}$	$Q_{100} = 35.0 \text{ cfs}$

Scale: PLAN
1" = 20'
PROFILE
1" = 2' Horiz.
1" = 5' Vert.

BENCH MARKS

* □ " CUT ON TOP OF S. CURB 44TH ST. S.
 @ E. END OF CURVE ON N. SIDE OF LOT 3, BLOCK 2,
 COTTONWOOD GROVE ADDITION; ELEV. 95.40

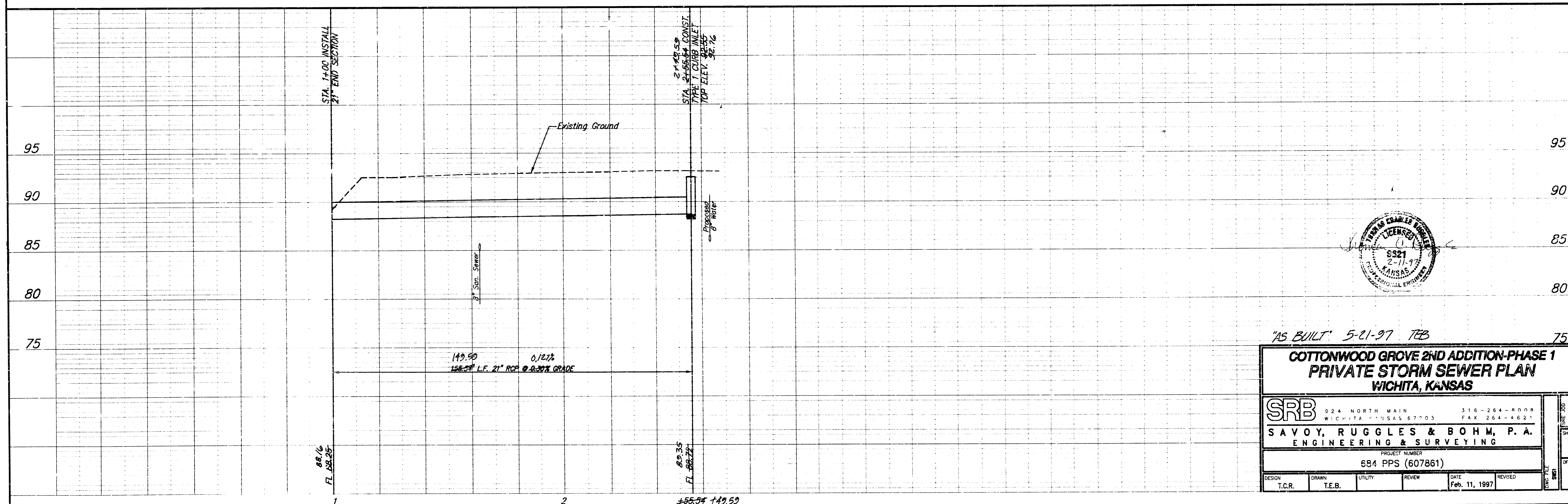
* □ " CUT ON TOP OF HUBGUARD
 @ CENTER OF E. GUARDRAIL
 OF RCBG ON WEST ST. S.
 OF 44TH ST. ; ELEV. 94.19

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Sanitary Sewers _____
Storm Sewers 2.2.87
Driveway Approaches _____
Water Mains _____
Paving _____

NOTE TO CONTRACTORS

Inspection and testing for this project are to be provided by a Licensed Consulting Engineer, Firm under contract with the Owner/Developer. Said inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional Engineer. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection, nor shall any work be commenced without written authorization by the City Engineer.



"AS BUILT" 5-21-97 TEB

**COTTONWOOD GROVE 2ND ADDITION-PHASE 1
PRIVATE STORM SEWER PLAN
WICHITA, KANSAS**

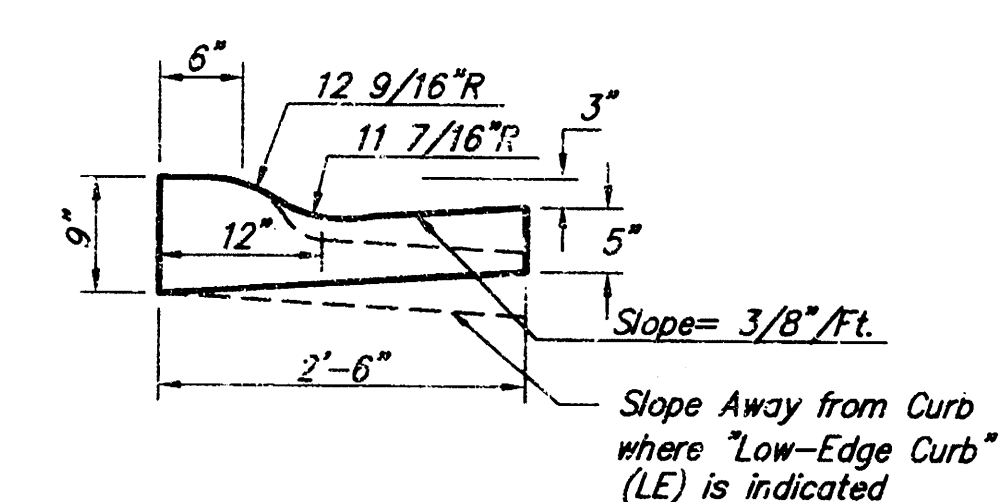
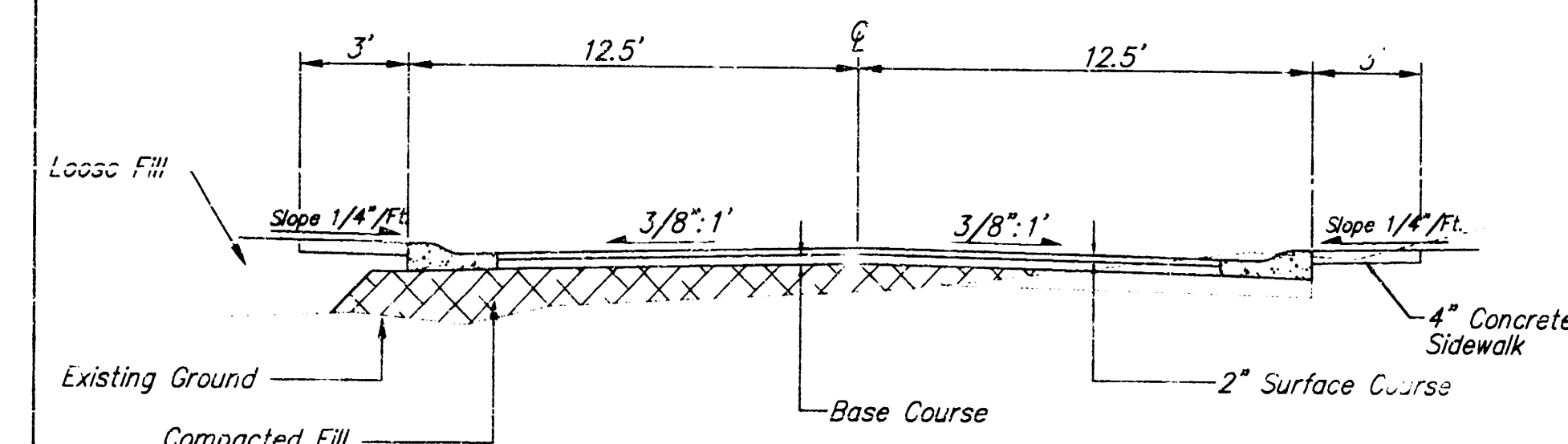
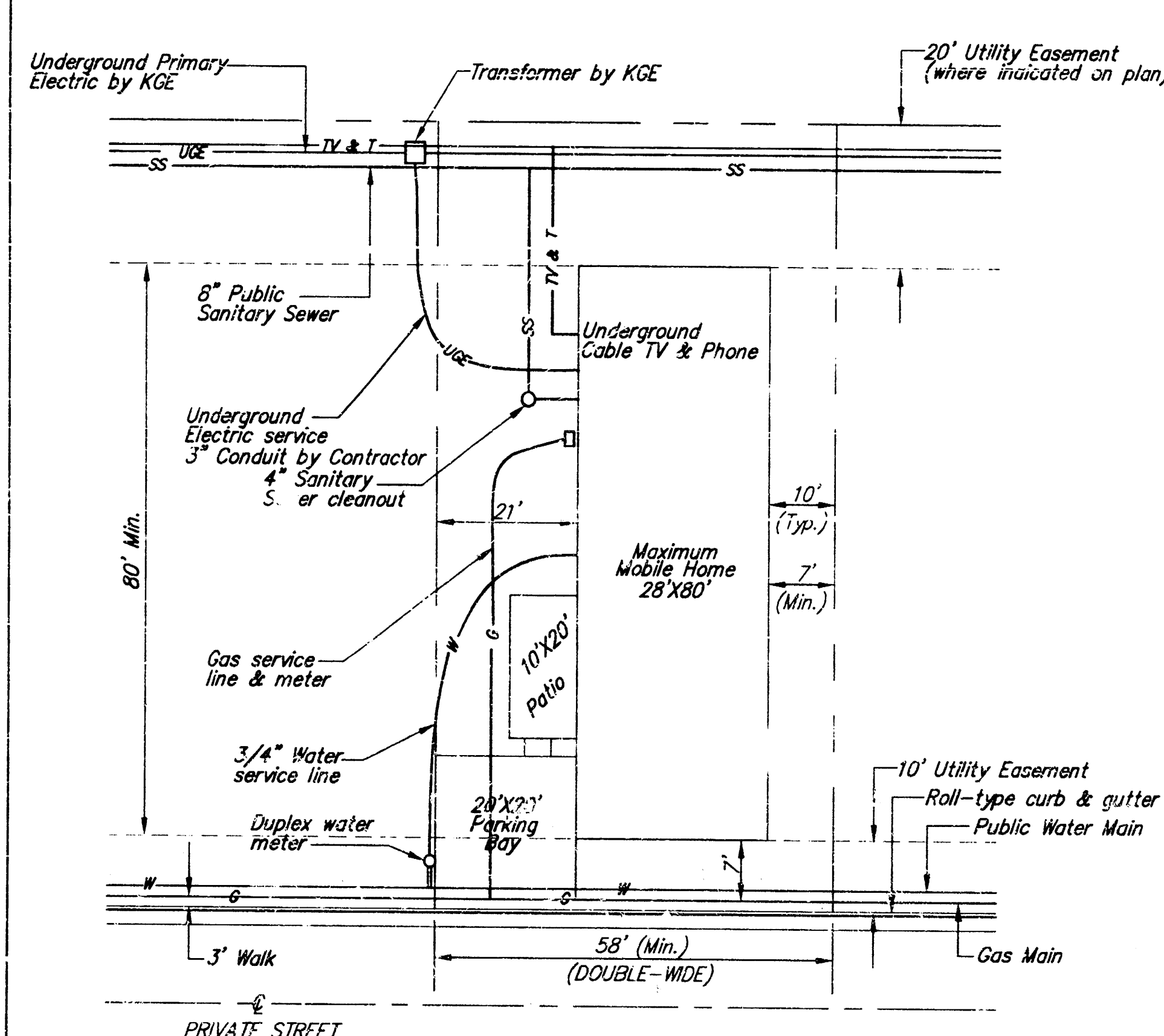
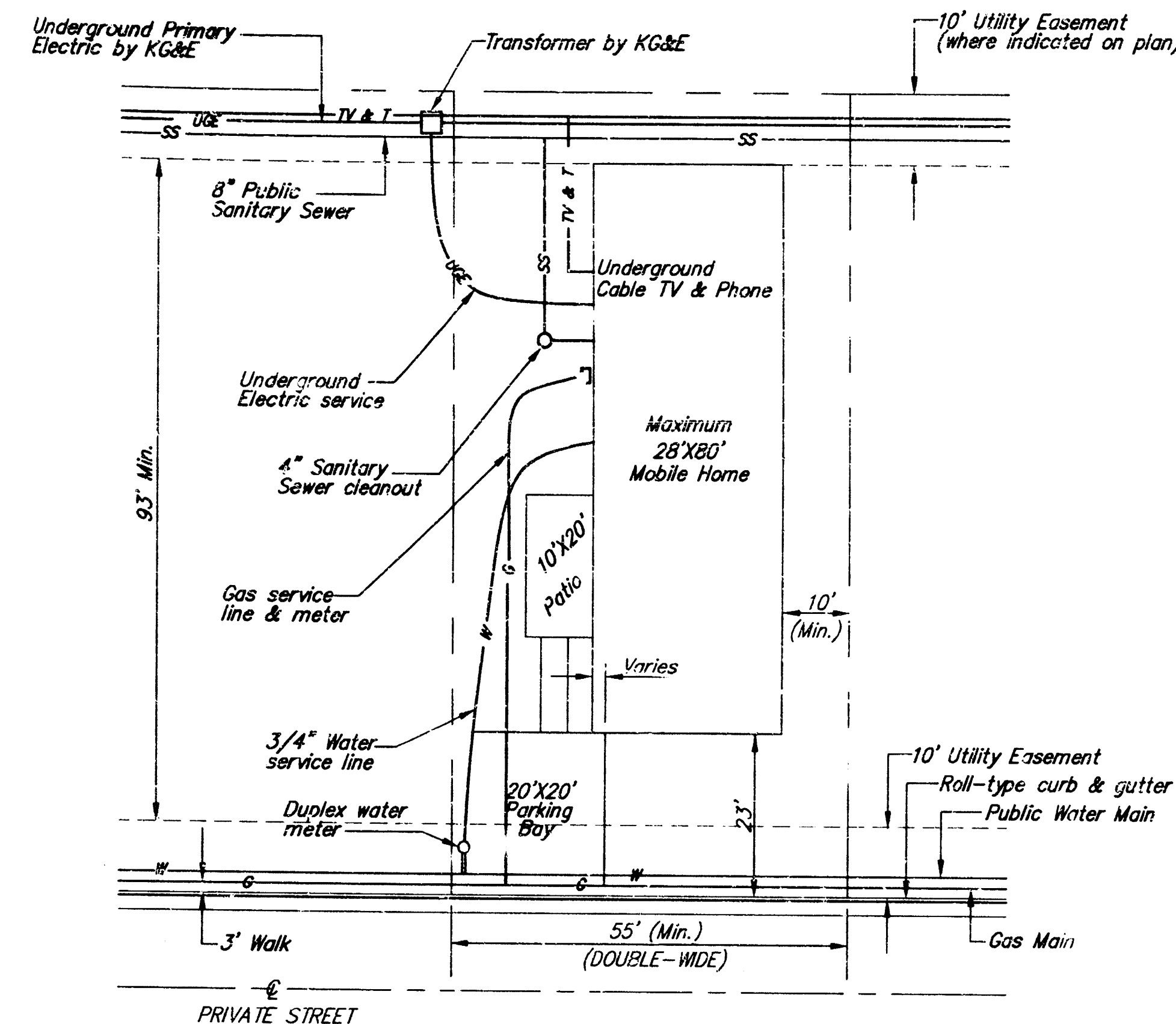
SRB 924 NORTH MAIN 316-264-4000
WICHITA KANSAS 67203 FAX 264-4621

SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING

PROJECT NUMBER
684 PPS (607861)

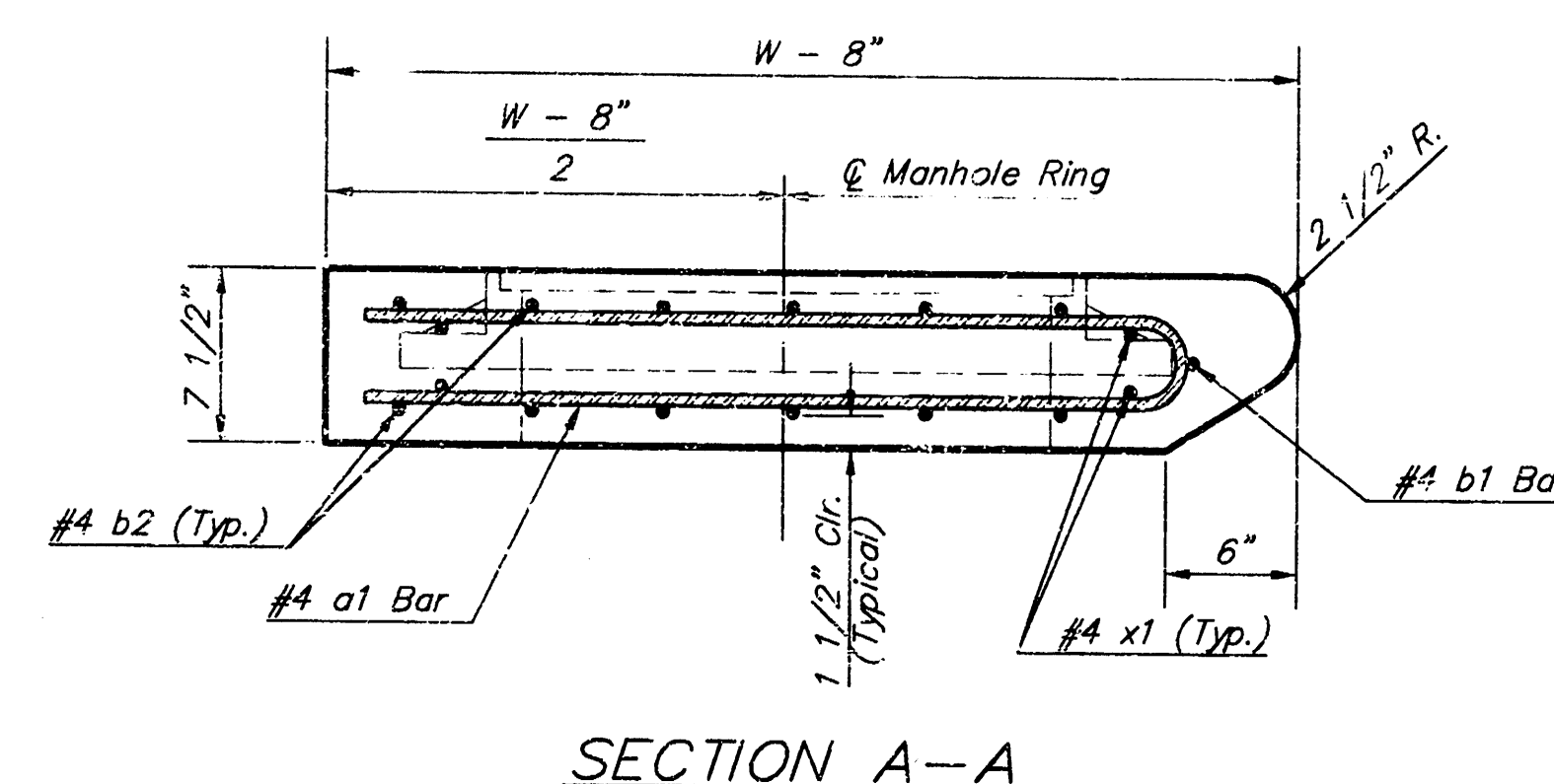
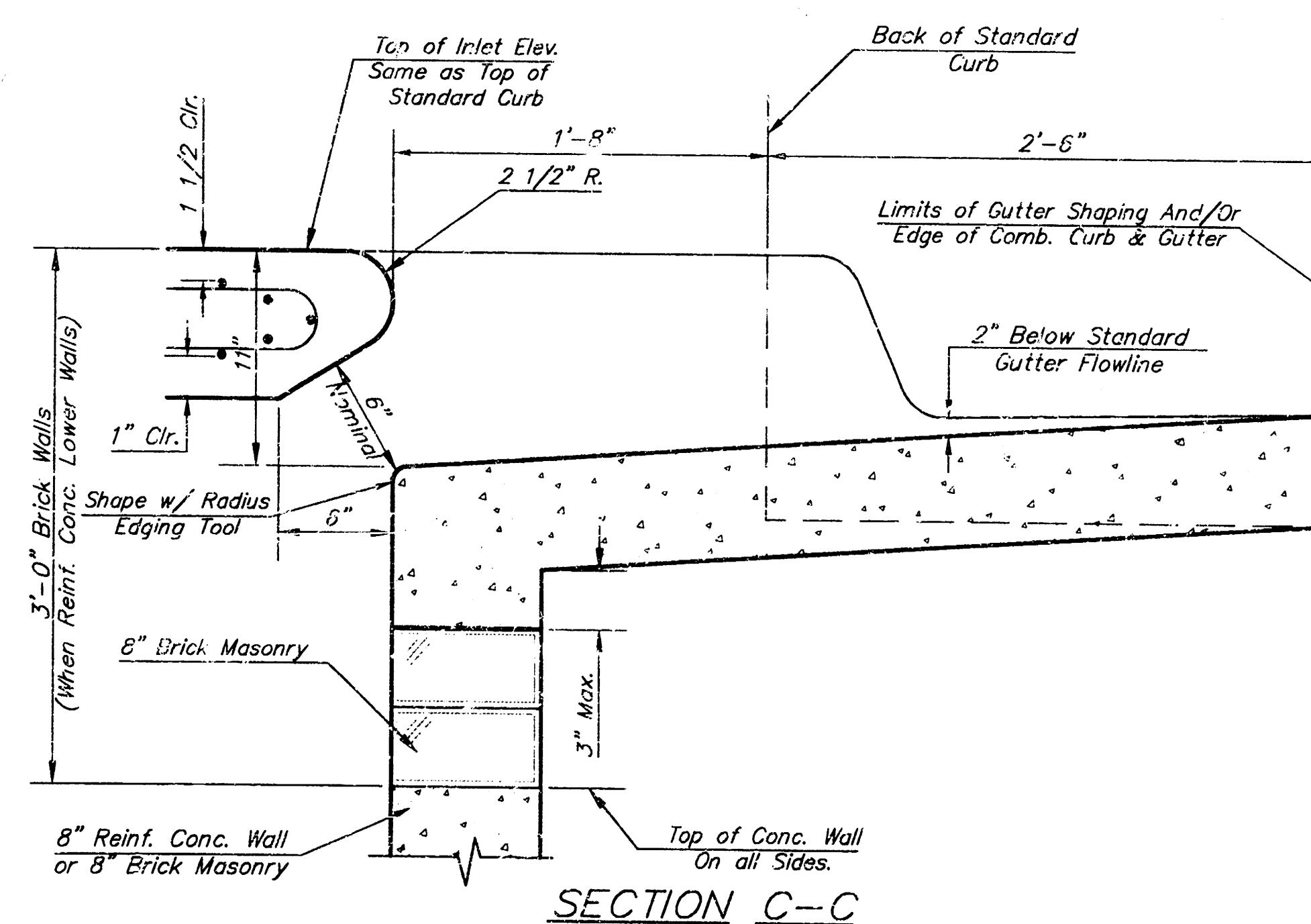
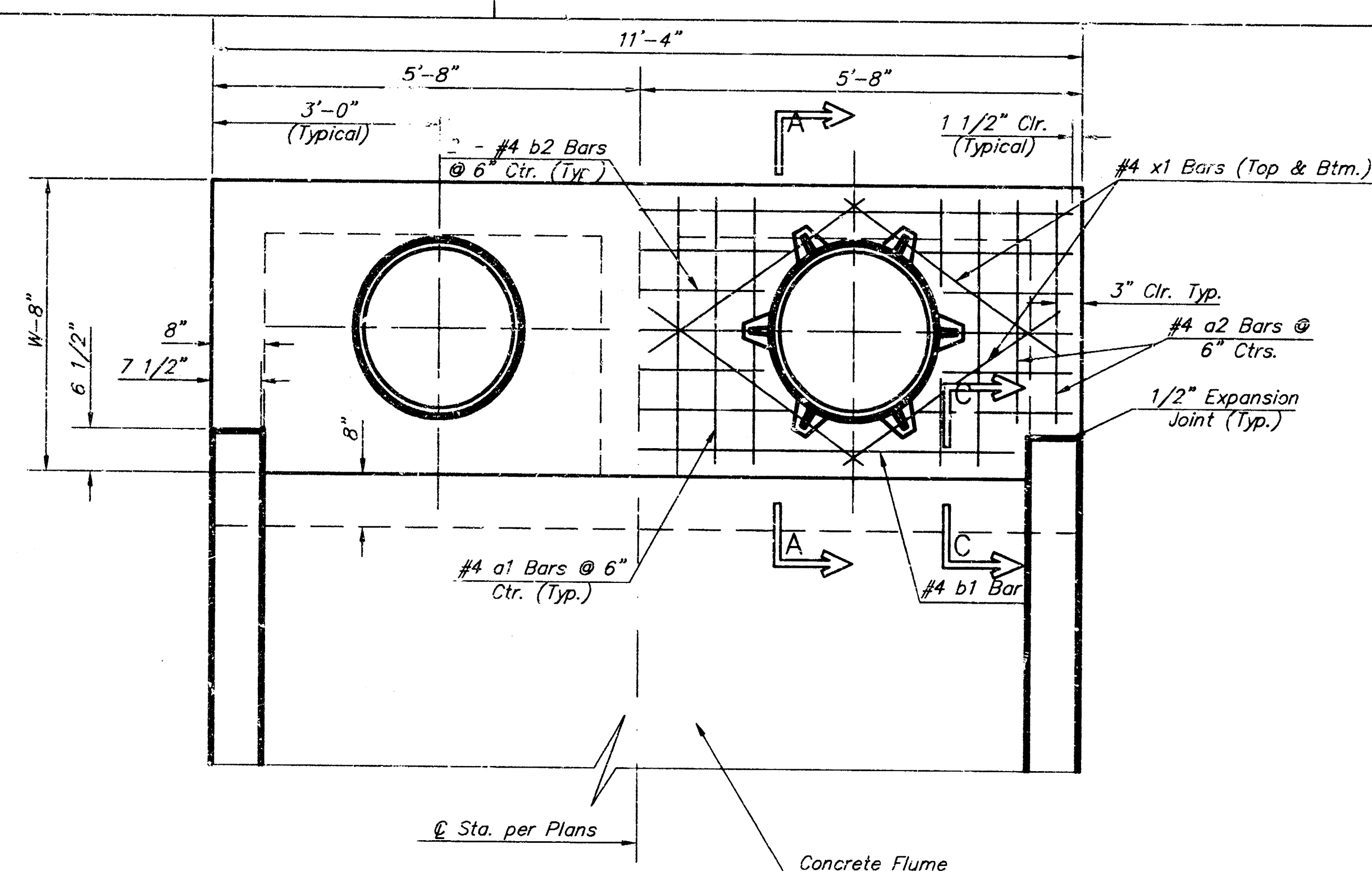
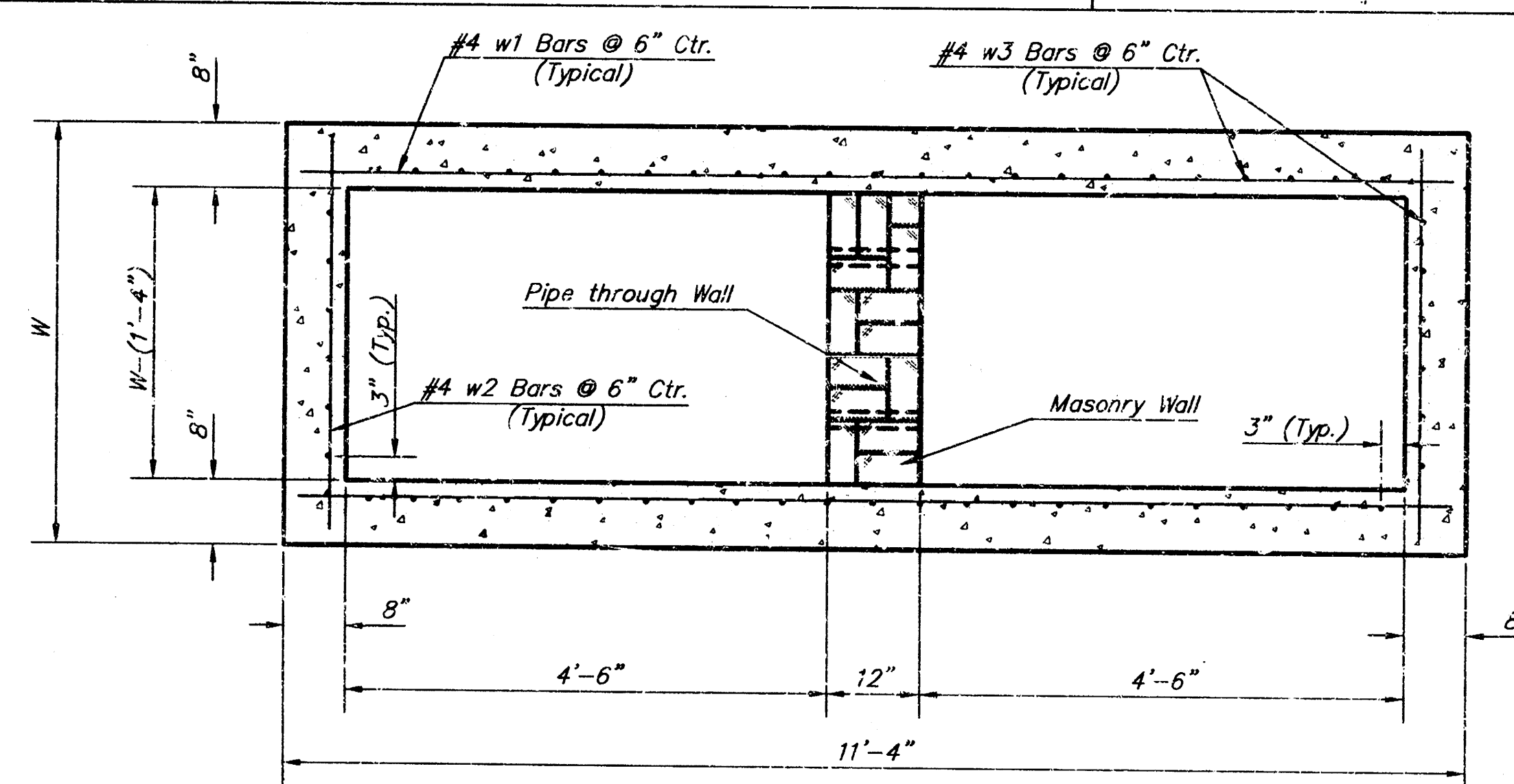
DESIGN	DRAWN	UTILITY	REVIEW	DATE	REV
TCR	TEB			Feb. 11, 1997	

\\ACTIVE PROJECTS\TOM BROOKS\496E (COTTONWOOD GROVE 2ND SITE)\SMS1 Tue Feb 11 10:36:28 1997 TEB



- GENERAL NOTES:

1. The contractor shall be required to construct 8" brick masonry walls between the concrete inlet base and top on this inlet when $W=6'-4"$ or less and $H=7'-0"$ or less. When W is greater than 6'-4" and H is less than 7'-0" the outside inlet walls below the brick stack shall be reinforced concrete construction and the center wall shall be of masonry construction as shown for the masonry wall option.
2. Inlet invert shall be shaped with 8 sack sand mix concrete to create flow channels and to increase hydraulic efficiency such that the inlet will be self cleaning between all inlet and/or outlet pipes.
3. 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 used for inlet construction shall be concrete pavement mix.
4. Inlet top reinforcing shall be spaced on 6" max. centers. Inlet lids shall be notched out as indicated to facilitate construction of curb. Bars in inlet top to be field bent or cut to clear manhole ring.
5. The ends of all pipes installed in inlets shall be cut off flush with the inside face of the inlet wall.



PLAN

*Left Side Shown Without Slab Reinforcing,
Right Side Shown With Slab Reinforcing

"AS BUILT" 5-21-97 TEB

**COTTONWOOD GROVE 2ND ADDITION - PHASE 1
UTILITY & PAVEMENT DETAILS
WICHITA, KANSAS**

SRB 924 NORTH MAIN 316-264-8068
WICHITA, KANSAS 67203 FAX 264-4621

SAVOY, RUGGLES & BOHM, P. A.
ENGINEERING & SURVEYING

PROJECT NUMBER
SWS PROJ. #684 PPS (607861)

DESIGN	DRAWN	UTILITY	REVIEW	DATE	REMOVED
T.C.R.	T.C.R.			Feb 11 1997	

DETAILS	OF	SHE	SRS JOB
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