

**GENERAL NOTES**

Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations that, in the opinion of the Engineer, will leave an unsightly appearance will not be approved.

All disposal sites must be approved by the Kansas Department of Health and Environment. Material either stockpiled or disposed of in a flood plain would require a Kansas State Board of Agriculture permit. Any material dumped in waters of the United States or wetlands is subject to U.S. Corps permitting regulations. Any material buried or stockpiled beyond approved of Engineers construction limits would require additional archeological investigations unless buried in a previously approved borrow location.

The Contractor shall notify pipeline companies at least 24 hours in advance of any work being performed across and/or adjacent to pipelines.

Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.

The Contractor shall give all property owners and/or tenants of developed property directly abutting the construction of this project a minimum of ten (10) days advance notice prior to start of construction.

The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state laws. Prior to the start of construction the Contractor shall flag and reference all property corners that may be disturbed by construction operations, and verify these in the field in the presence of the Engineer and the Contractor's surveyor. After construction and before the final inspection, a letter signed and sealed by the licensed Land Surveyor certifying replacement of all disturbed property corners shall be submitted to the Engineer.

At least 72 hours prior to beginning any excavation (excluding weekends and holidays), the Contractor shall contact the Kansas One-Call System, a utility location service at 887-2470 to request the following utility companies to locate any existing lines within the project area: Multimedia Cable TV, Wichita Water, Southwestern Bell Telephone, K C & E Gas and K G & E Electric.

The buried utilities as shown in the plans are approximate locations only. It should be noted that other buried lines and cables may exist which are not shown on these plans. The Contractor shall exercise extreme caution during trenching operations to avoid damaging these lines. Any lines damaged shall be repaired or replaced immediately as directed by the Engineer at the Contractor's expense.

At least 24 hours before connecting new sewer pipe to the existing sewage system, the Contractor shall contact the Sedgwick County Eastern Sewer District (733-0202). The Contractor shall keep any construction debris from entering the existing sanitary sewer during construction. To prevent water or debris from entering the existing sewer, a mechanical plug shall be installed and maintained to isolate the existing sewer from the new construction until the new construction is cleaned, televised and has been accepted. The water used for cleaning shall not be added to the flow of the existing sewer. The cleaning or otherwise accumulated water shall be pumped or otherwise removed prior to televising.

All pipe joints shall be laid and pushed "full home", with the beveled end of the spigot making full contact with the chamfered area at the throat of the bell or socket, with no separation between them. If separation is determined, the pipe shall be excavated and re-laid according to specifications at the Contractors expense.

The Contractor shall contain his operations to permit traffic through and across construction at existing roadways at all times. The Contractor shall erect warning signs, flashing lights and barricades in compliance with the manual on uniform traffic control devices to ensure safety as directed in the general conditions. The Contractor shall limit the extent of trench to remain open overnight and weekends to less than 50 feet.

The Contractor shall restore all ditches, swales, road shoulders and banks to their original slopes and grades. Where existing entrance pipe, drainage pipe, signs, fences, etc., conflict with the proposed work herein, they shall be removed and replaced or reset unless otherwise indicated on the plans. The replacement of all the aforementioned items, including seeding, fertilizer and mulching shall be considered subsidiary to "Site Clearing and Restoration".

Easements and Rights-of-Way provided by the owner for the project are shown in the plans. The Contractor shall be responsible for the acquisition of any additional temporary easements or Rights-of-Way which he desires to use in completing the work.

Positive drainage shall be provided for all areas on or near spoil areas. Natural drainage ways shall be maintained.

The Contractor shall provide positive drainage away from all manhole covers.

All trench backfill shall be either Type I or Type III unless noted otherwise.

The Contractor shall also contact the following at least 72 hours prior to beginning construction to advise them of the intended work and of his proposed schedule:

Sedgwick County Bureau of Public Services  
1250 S. Seneca  
Wichita, KS 67203  
Mr. Jim Weber  
(316) 383-7901

The Contractor shall not bury manholes that have rim elevations which are lower than existing ground at the manhole. The ground around such manholes shall be graded as shown on the plan/profile sheets. The Contractor shall also provide drainage away from these manholes by construction of temporary or sloping the ground as required. All costs for this work shall be considered subsidiary to the lump sum price bid price for "Site Clearing and Restoration".

Each bidder shall visit the site of the project before submitting the proposal for this work so that he will be fully informed of the existing field conditions and the obstacles which might be encountered. Upon award of the contract, the Contractor will not be granted any additional compensation with regards to time and money for conditions that may have been evaluated during an inspection of the site.

# SANITARY SEWER IMPROVEMENTS TO SERVE THE ESTATES AT SHADYBROOK

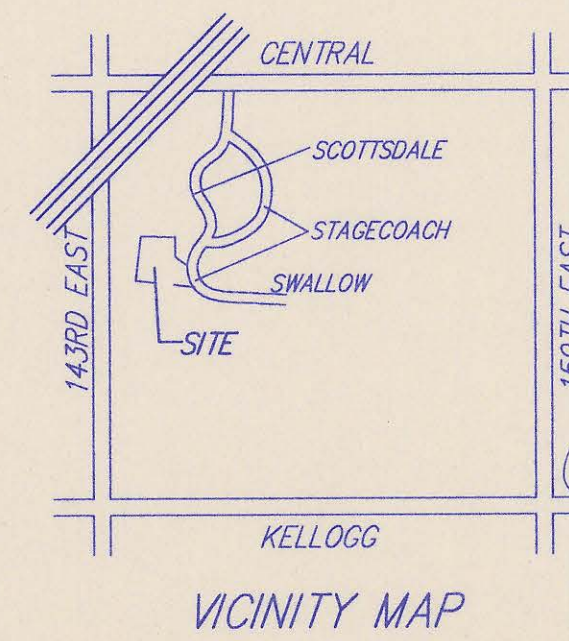
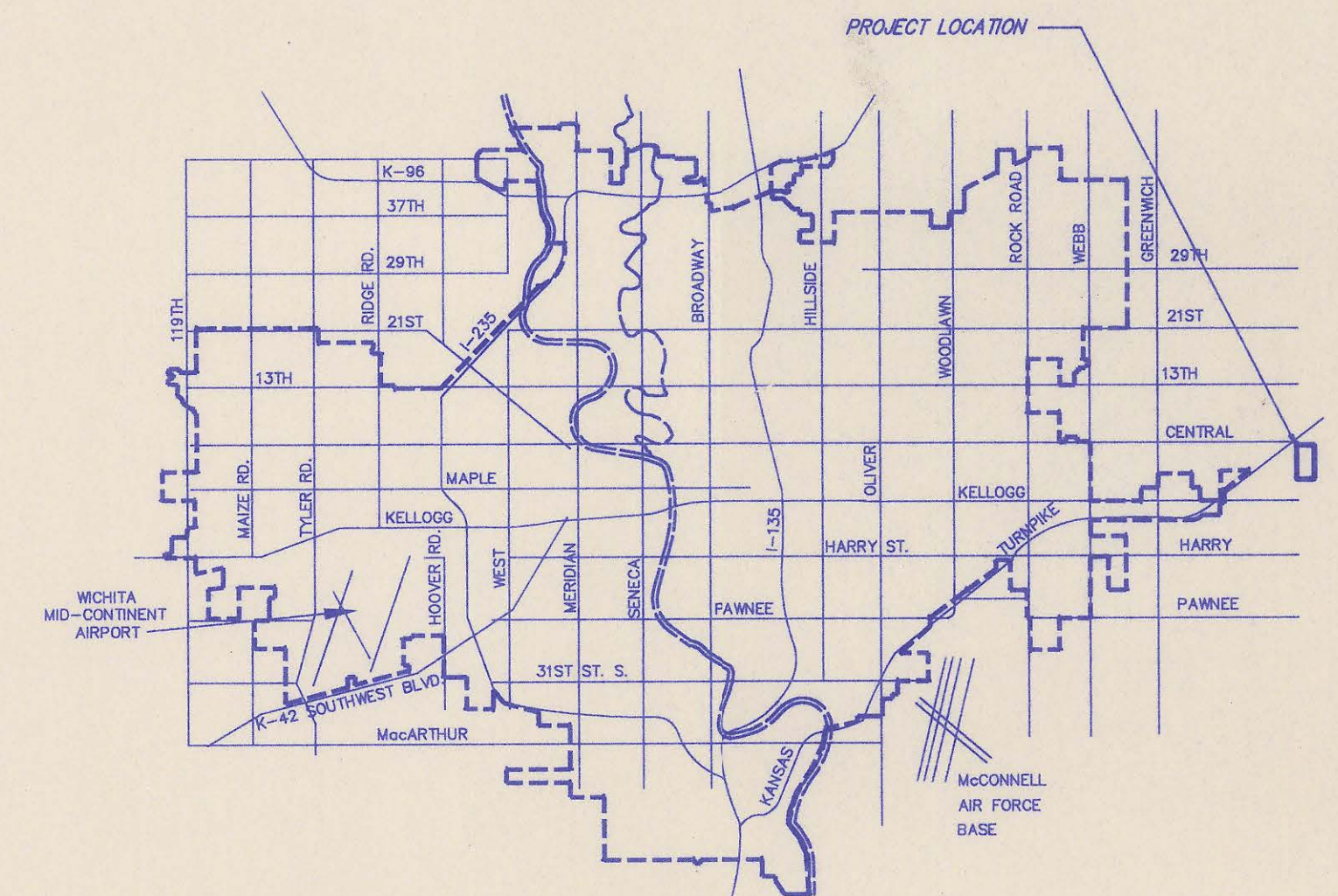
4MC - 063

**BENCH MARKS**

BENCH MARK: "D" CUT ON TOP OF CURB  
AT P.C. NEAR S.E. CORNER OF LOT 1, BLOCK 1,  
SCOTTSDALE AT SHADYBROOK FARM ADDITION.  
ELEV.=1312.60 (M.S.L.)

**INDEX OF SHEETS**

1. TITLE SHEET
2. MANHOLE DETAILS
3. SERVICE CONNECTION DETAILS
4. PLAN & PROFILE



APPROVED:  
*David C. Spears*  
DAVID C. SPEARS, P.E.  
DIRECTOR OF PUBLIC SERVICES/COUNTY ENGINEER  
DATE: 7/13/98

APPROVED:  
*Paul W. Hornum*  
CHAIR, BOARD OF COUNTY COMMISSIONERS  
DATE: 7-14-98

FILED IN THE OFFICE OF  
THE SEDGWICK COUNTY CLERK  
*Jenny A. Ober*  
COUNTY CLERK  
DATE: 7-15-98

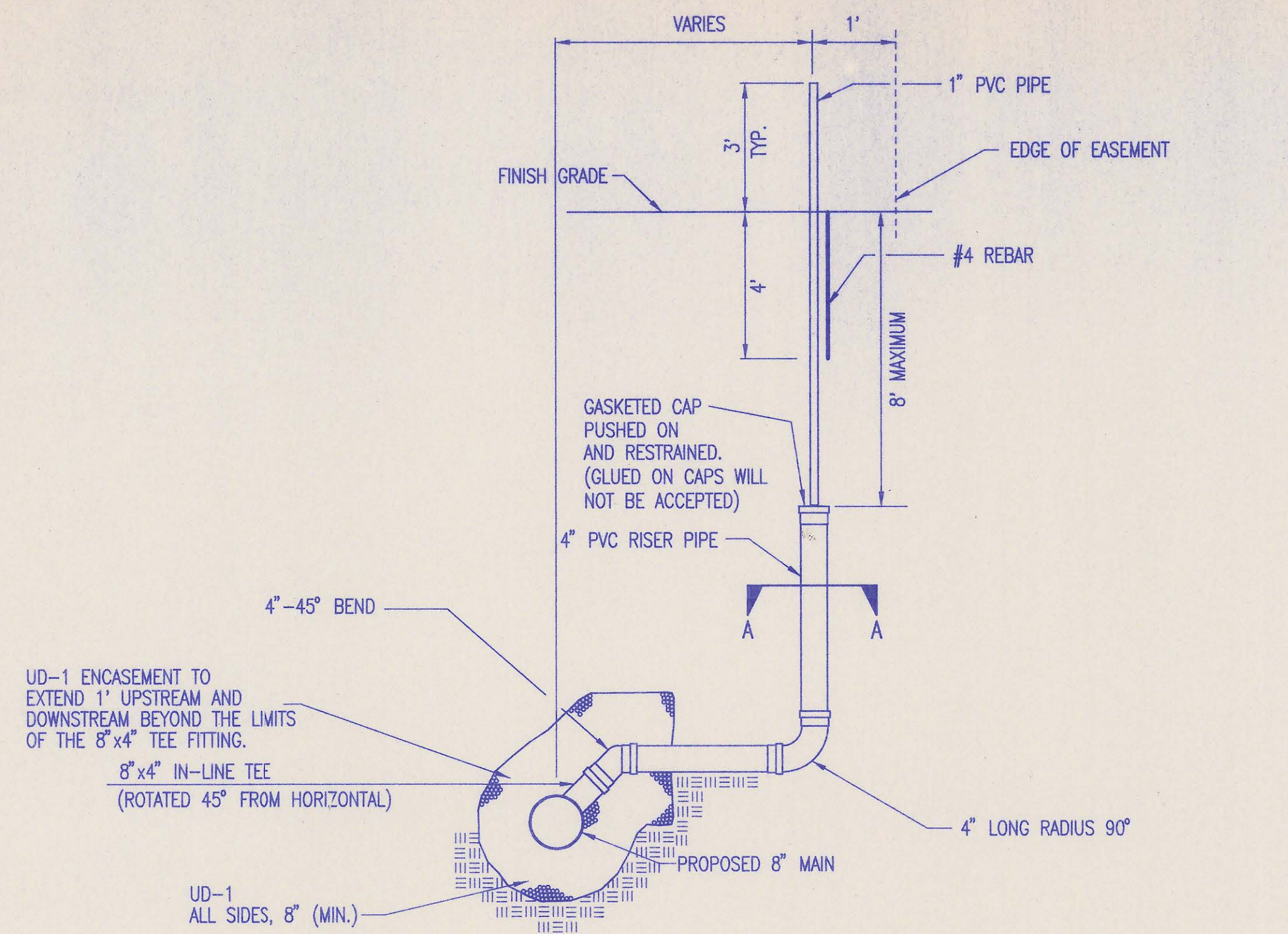


## SEDGWICK COUNTY, KANSAS

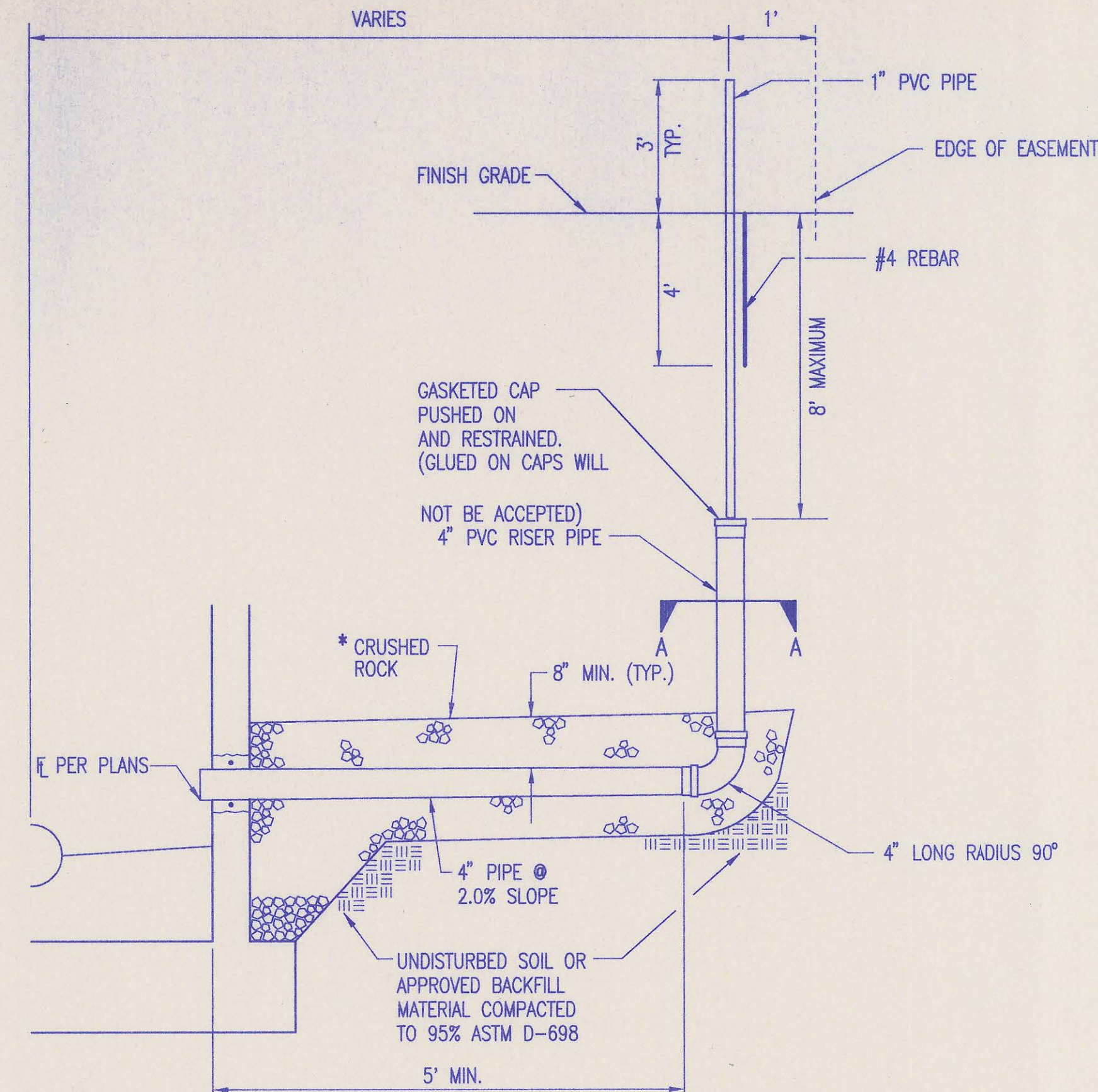
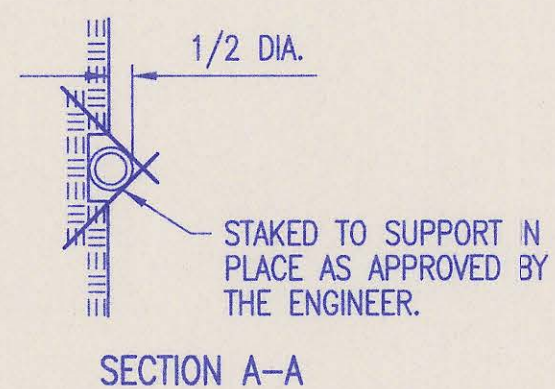
AS BUILT PLANS : 3-19-99 CMB

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

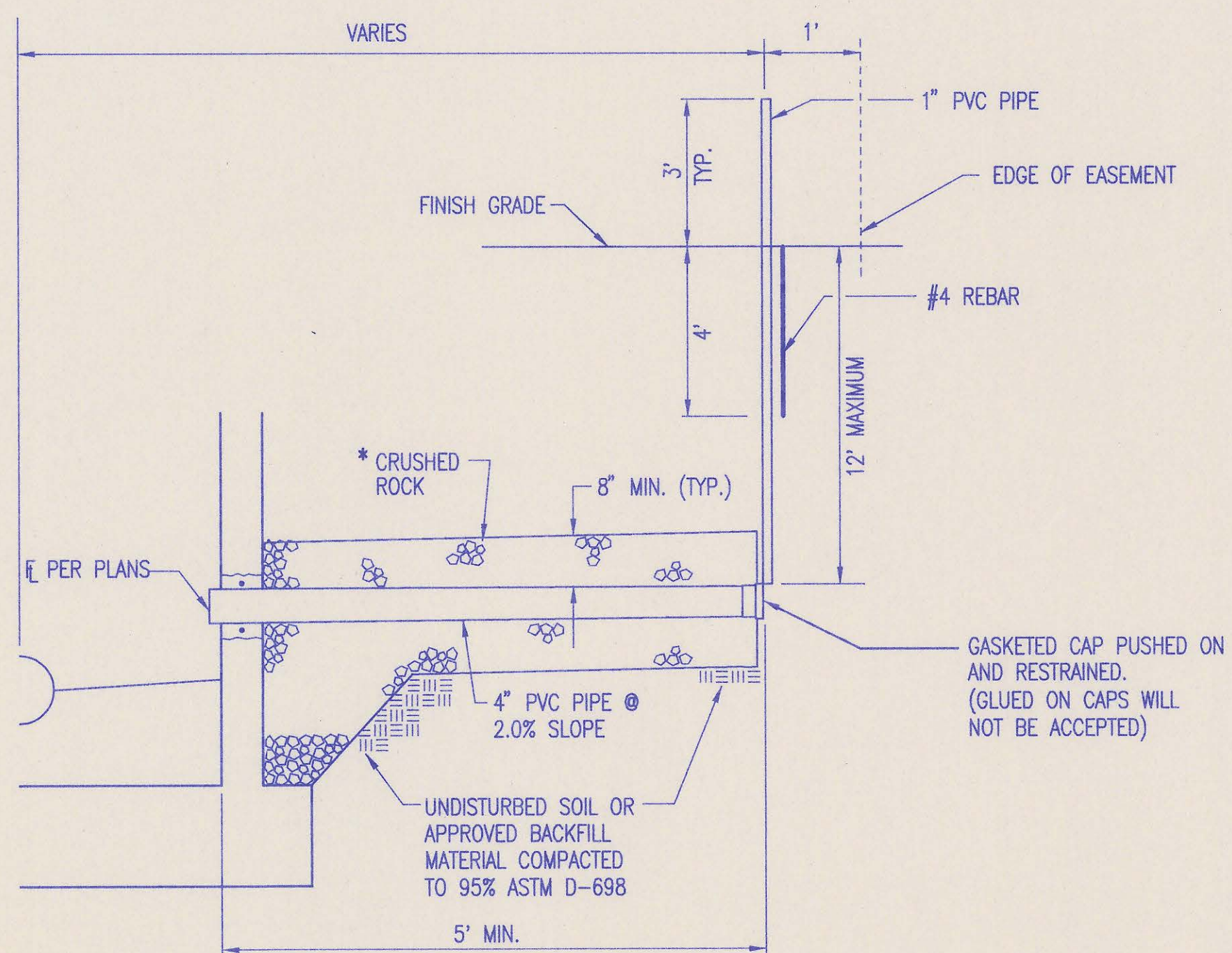
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TEE SERVICE CONNECTION



MH SERVICE CONNECTION



4" STUB

\* CRUSHED ROCK SHALL MEET THE REQUIREMENTS FOR GRANULAR BEDDING MATERIAL, AS OUTLINED IN THE SPECIFICATIONS.

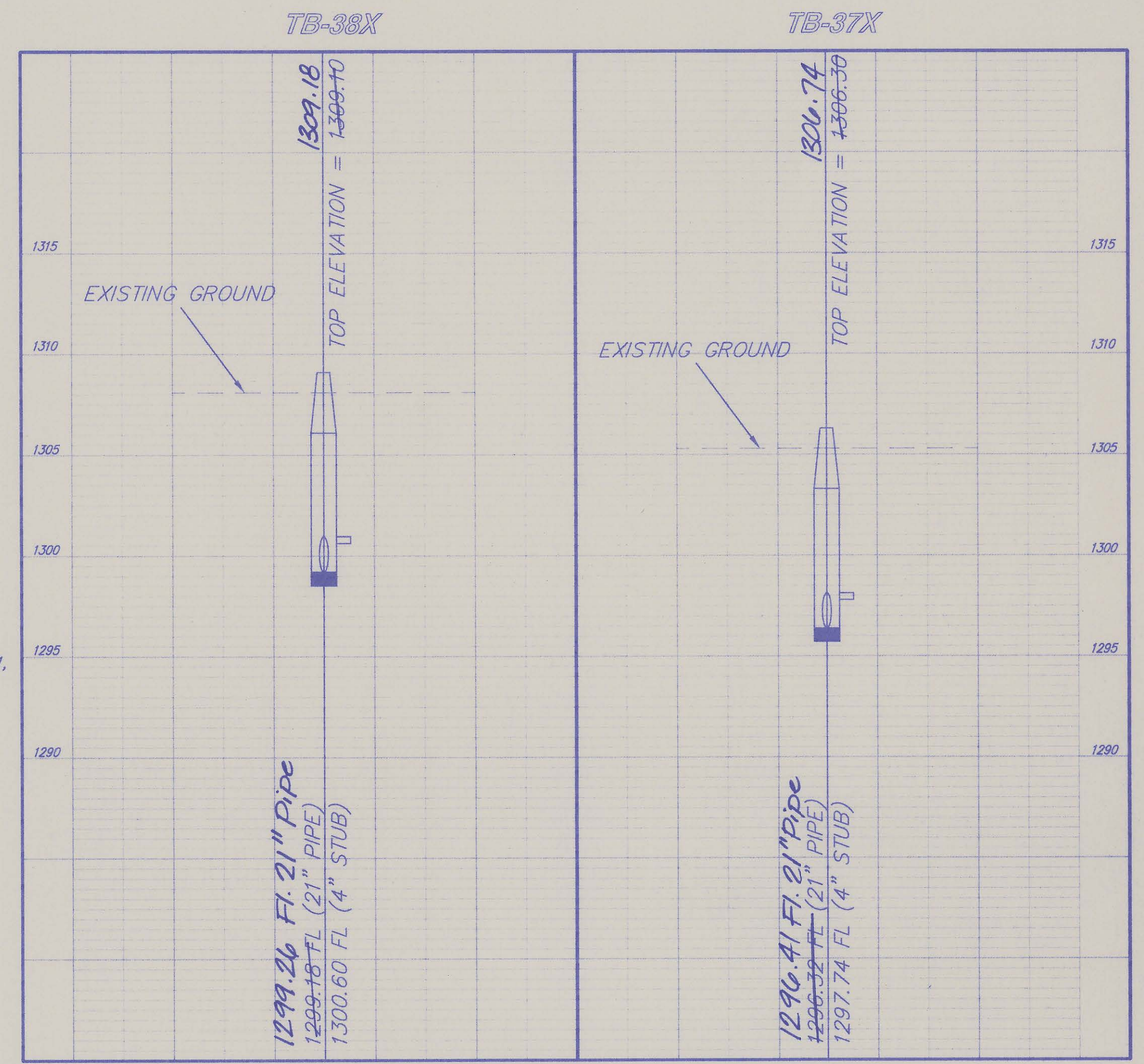
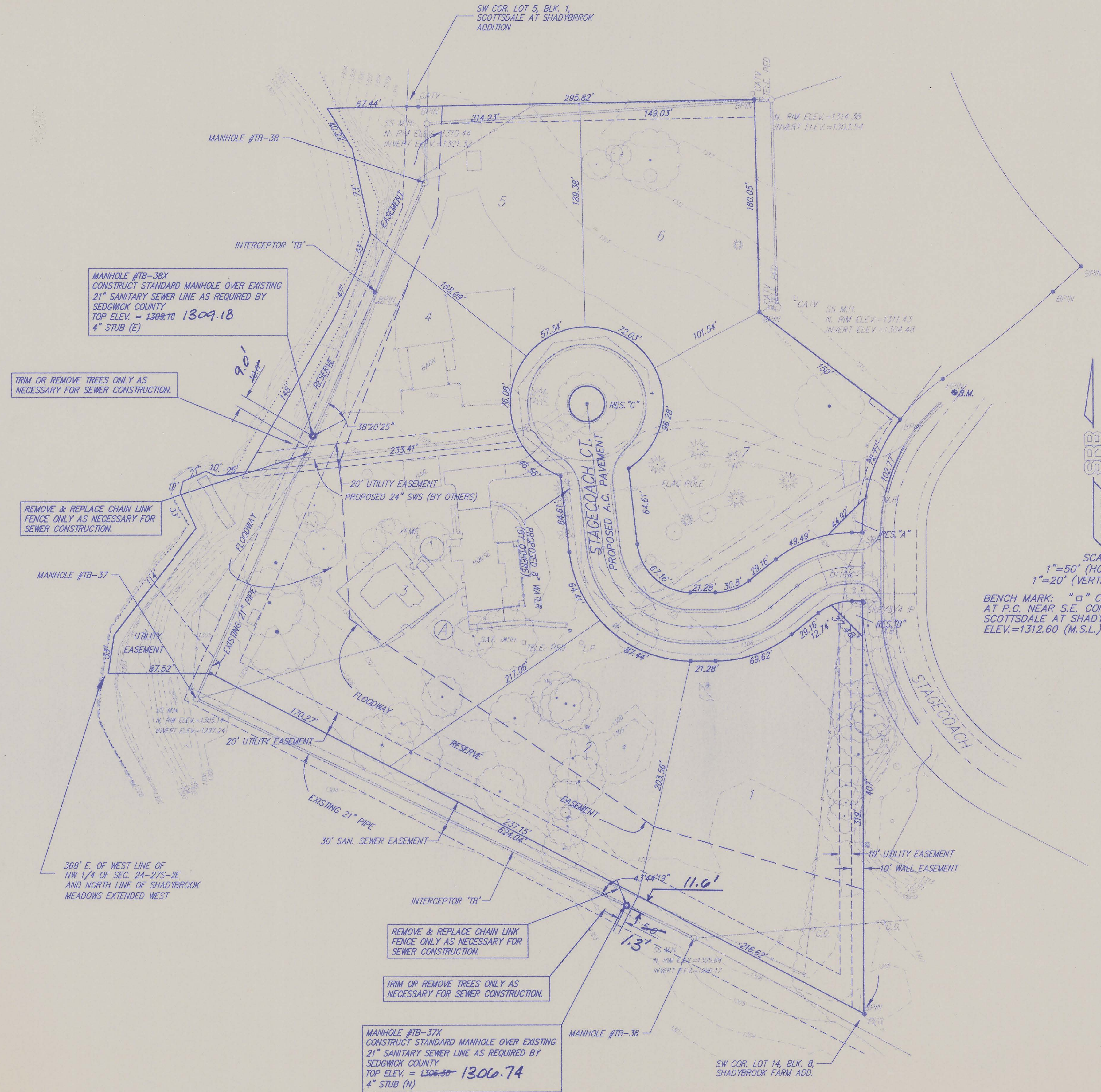
SERVICE CONNECTIONS ARE TO BE INSTALLED WHERE PROPOSED SEWER MAIN IS 12' OR MORE BELOW PROPOSED GROUND OR AS SHOWN IN THE PLANS.

SEWER SERVICE TABLE									
NO.	TYPE	LOCATION				APPROXIMATE LENGTH 4" PIPE	RECORD INFORMATION (TO BE COMPLETED BY PROJECT INSPECTOR)		NO.
		LOT NO.	BLOCK NO.	LATERAL NO.	STATION/DIRECTION		DISTANCE FROM NEAREST MANHOLE UPSTREAM	DISTANCE FROM NEAREST MANHOLE DOWNSTREAM	
1	MH SERVICE CONNECTION	2	A	TB	N	5			1
2	MH SERVICE CONNECTION	4	A	TB	E	5			2
3									3
4									4
5									5
6									6
7									7
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20									20
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SERVICE CONNECTION DETAILS

ADOPTED AS STANDARD DESIGN JANUARY 1998  
 BY  
 SEDGWICK COUNTY BUREAU OF PUBLIC SERVICES  
 DAVID C. SPEARS, P.E. DIRECTOR, BUREAU OF PUBLIC SERVICES/COUNTY ENGINEER





NOTE: REMOVAL OR TRIMMING OF TREES AND FENCE REMOVAL AND REPLACEMENT SHALL BE INCIDENTAL TO THE BID ITEM FOR SITE CLEARING AND RESTORATION.

Revised 3/16/99 - As Built Survey

**SITE GRADING**  
**THE ESTATES AT SHADYBROOK**  
**SEDGWICK COUNTY, KANSAS**

**SRB** 924 NORTH MAIN 316-264-8000  
WICHITA KANSAS 67203 FAX 264-4621  
http://www.feist.com/~srb E-mail: srb@feist.com

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

PROJECT NUMBER

DESIGN: CMB/KWL	DRAWN: JTS/KWL	UTILITY	REVIEW	DATE: July 8, 1998	REVISED
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DATE: July 8, 1998

SHEET 4 OF 4