

Purchasing – Bids, Proposals, and
Specifications

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STATEMENT OF INTEREST AND QUALIFICATIONS

TO PROVIDE

WATER AND SEWER SYSTEMS
RECORD DRAWINGS

TO THE
TOWN OF RUTLEDGE, TENNESSEE

PREPARED SEPTEMBER 1997

BY

LD&A

Lamar Dunn & Associates Inc.

3305 MALONEY ROAD

KNOXVILLE, TENNESSEE 37920

(423) 573-7672

Purchasing – Bids, Proposals, and
Specifications



September 18, 1997

Mr. Charles Killion
Mayor, Town of Mountain City
Post Office Box 36
Rutledge, Tennessee 37861

Dear Mayor Killion:

Lamar Dunn & Associates, Inc., appreciates the opportunity to present this proposal to the Town of Rutledge for the preparation of water and sewer systems record drawings.

As can be seen from this submittal, our firm has extensive experience in the preparation of record drawings.

We are available to discuss your needs in detail upon your request.

Sincerely,

LAMAR DUNN & ASSOCIATES, INC.

A handwritten signature in cursive script, appearing to read "Paul B. Caldwell".

Paul B. Caldwell
Project Manager

PBC:mrj
enclosures

RTG-701.SE 06RD96\CR\Killion.PBC

STATEMENT OF QUALIFICATION AND EXPERIENCE

TOWN OF RUTLEDGE, TENNESSEE

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STATEMENT OF PHILOSOPHY

Lamar Dunn & Associates, Inc. has its principal offices in Knoxville, Tennessee. The firm is an outgrowth from a major international firm. We provide personnel to meet the needs of clients throughout the nation and world.

We maintain the philosophy of rendering services to our clients by providing the best professional engineering, planning and architectural talent available. The work experience of the employees from past endeavors is an example of this philosophy.

Lamar Dunn & Associates, Inc. serves Counties, Municipalities, Districts, Authorities, and State Governments with a wide range of services. The consultant team assembled for rendering professional services to Lamar Dunn & Associates' clients possess a wide variety of disciplines which are required for a successful project.

Lamar Dunn & Associates, Inc. is familiar with state and federal government procedures relating to environmental regulations and maintains close liaison at all times with these agencies.

COMMUNICATIONS

Lamar Dunn & Associates, Inc. is comprised of individuals who have practiced their profession on a national and international basis for more than ten (10) years. Cost communication and quick professional response is a key factor in maintaining a proper professional client rapport.

Any proposed project manager will be experienced as it relates to the project. The project team will consist of individuals to whom the discipline and experience match the minute detail of the project.

PAUL B. CALDWELL

Undergraduate Studies:

Brevard Community College, Associate Degree
University of Tennessee

CERTIFIED SENIOR ENGINEERING TECHNICIAN

Mr. Caldwell's background includes more than 30 years experience in design and management of architectural, structural, and civil projects including the development of schools, hospitals, industrial buildings, water, wastewater, and industrial waste treatment facilities. He is responsible for the project management of a variety of projects including planning, design, review, and scheduling.

Prior to joining the team Mr. Caldwell was Lead Engineer with the Boeing Company, Kennedy Space Center, Florida. He supervised design and construction of launch structure modifications, material handling equipment, in addition to administrative, flight training, and maintenance buildings.

Other experience include the supervision and preparation of Record Drawings. Mr. Caldwell has prepared Water and/or Sewer Record Drawings for First Utility District of Carter County; the City of Bristol, Tennessee; The Town of Jonesborough, Tennessee, Knox Chapman Utility District, Huntsville Utility District and the Town of Mountain City, Tennessee.

He supervised a Record Drawing section for the Dow Chemical Company to field verify and prepare drawings for launch complexes; operation and checkout buildings; industrial buildings; Cryogenic and Hypergolic Test Facilities at Cape Canaveral and the Kennedy Space Center.

PROFESSIONAL MEMBERSHIPS:

American Society of Engineering Technicians
Institute for Certification of Engineering Technicians
Tennessee Association of Utility Districts
Tennessee Water and Wastewater Association

TERRY G. CLARK

SENIOR ENGINEERING TECHNICIAN

Mr. Clark has 21 years experience; 10 years of his experience is in computer aided drafting.

Mr. Clark has been involved in the design of water lines, sewage collection systems, pump stations, water plants and wastewater plants.

He is presently computer drafting department supervisor. Prior to his employment with Lamar Dunn & Associates, Inc., Mr. Clark was involved in the production of highway drawings for the Tennessee Department of Transportation and natural gas pipe lines for a major gas company.

MACK ROBERT ROY

Special Studies

University of Kentucky

Mr. Roy has many years experience in the construction related industry. He also has considerable experience in the coal mining industry.

Mr. Roy is currently a construction technician for Lamar Dunn & Associates, Inc. His experience includes inspections of both building and utility construction.

Prior to entering the construction field, Mr. Roy was a medical laboratory technician. He received his medical training at the Madison Square Clinical Laboratory in Madison, Tennessee.

Recent Lamar Dunn & Associates, Inc. projects include work at the following locations:

- a) Rutledge
- b) Maryville
- c) Cumberland Utility District
- d) Huntsville Utility District

SIMILAR PROJECTS

- First Utility District
Carter County, Tennessee
- City of Kernersville
North Carolina
- Stafford County
Virginia
- City of Bristol
Tennessee
- The Town of Jonesborough
Tennessee
- Huntsville Utility District
Huntsville, Tennessee
- Mountain City
Tennessee

REFERENCES

- Mr. Bob Jones, General Manager
West Knox Utility District
Post Office Box 7040
Knoxville, Tennessee 37931

- Mr. Larry Crawley, General Manager
Huntsville Utility District
Post Office Box 208
Huntsville, Tennessee 37756

- Mr. Terry Reece, City Recorder
Town of Mountain City
210 South Church Street
Mountain City, Tennessee 37683

- Gary Cinder, Director of Public Works
City of Oak Ridge
Post Office Box 1
Oak Ridge, Tennessee 37831-0001

PROJECT APPROACH

The need for accurate record drawings of a utility such as the Town of Rutledge is paramount. They are essential for locating valves during breaks, for long range and short range planning, as a management tool, and as a general operational aid.

Presently, the District has a collection of drawings which are incomplete and cumbersome to use. The Town should initiate a program to develop an ongoing system for accurate current record drawings of its water and sewer system.

Such an endeavor should be a joint venture between the Town personnel and Lamar Dunn & Associates, Inc. The system should be developed utilizing a computer based drafting system. Tax maps would be used as the basic base map for the system.

The Town would be "gridded" in its entirety to establish the number and location of required sheets. A uniform scale of one (1) inch equals 200 feet would be used. As development occurs within the Town, the affected base map should be updated as to property and utility lines. It would be planned that six (6) months would be consumed getting the base mapping in place.

Overlays of water lines and sewer lines respectively would be generated. The computer can print a drawing of water lines or sewer lines only. Drawings can be printed with water and sewer lines on the same drawing.

COST ESTIMATE

In order to keep the Town's cost to a minimum, Town personnel should develop the field data with assistance from Lamar Dunn & Associates, Inc. As base maps are generated they can be given to the District to locate all known utilities. Special sheets would be provided by Lamar Dunn & Associates, Inc., for "Valve-tie" information to be submitted for records. As the field data is collected it will be used to generate the overlays and "valve-tie" sheets.

The nature of this project is such that a lump sum fee would be difficult to develop. It would be proposed to do the project on a time and materials basis. It is anticipated that a total of 14 sheets of base drawings would be required. It is expected that it would cost \$640.00 per sheet to generate the data for a base map into the computer. Therefore, Lamar Dunn & Associates, Inc. would propose to do the base mapping for \$8,960.00.

The number of sewer line drawings is estimated at four (4). If one were to speculate the total number did not exceed four (4) sheets at an average per sheet cost of \$640.00, this would equate to a maximum sewer overly cost of approximately \$2,560.00.

It is recommended that separate "valve-tie" sheets be developed with actual filed measurements to permanent locations shown in order to find a valve if paved over or otherwise "lost". Since the actual number of valves in the system is unknown, an estimate of four (4) sheets of valve-ties have been developed. At a drafting cost of

\$640.00 per sheet for preparation, an estimated \$2,560.00 would be required for preparing the valve-tie drawings.

It is estimated that four (4) manhole sheets would be drawn at a cost of \$640.00 per sheet for a cost of \$2,560.00

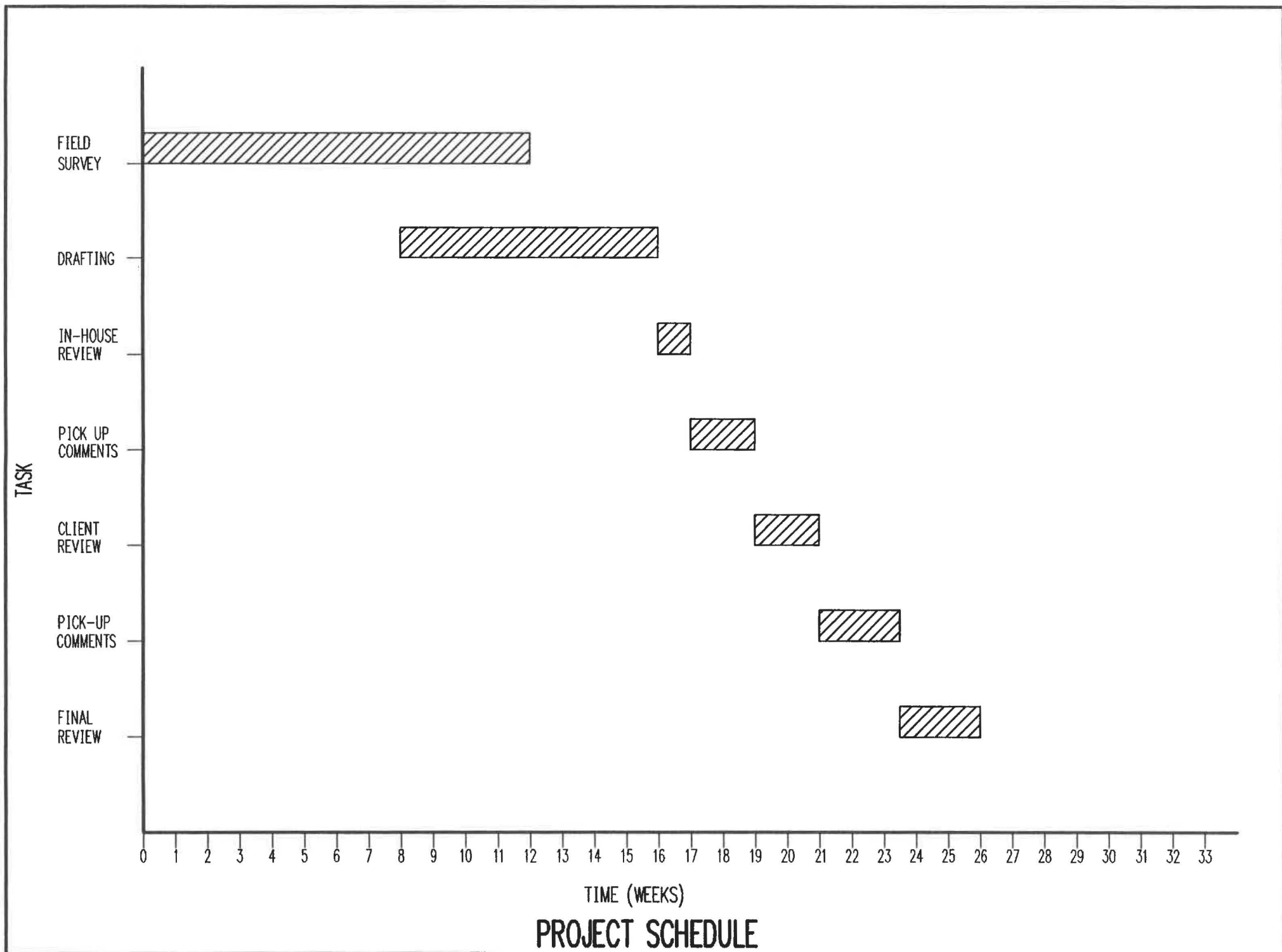
Assuming the Town developed all the required field data with their own personnel, the cost of the drafting would be as follows:

Base Mapping	\$ 8,960.00
*Manhole Ties	2,560.00
Sewer Overlays	2,560.00
Valve-ties	<u>2,560.00</u>
TOTAL	\$16,640.00

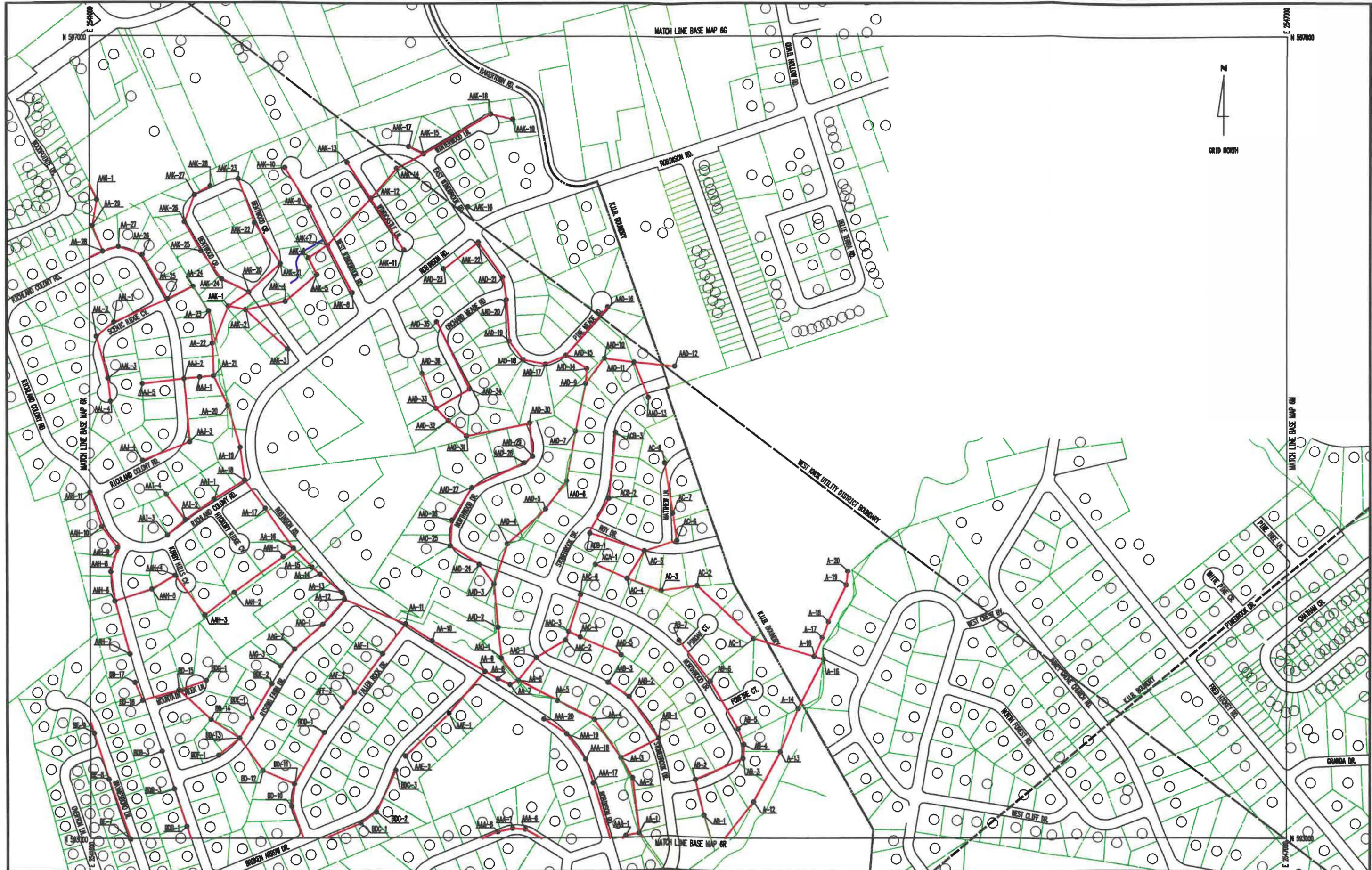
It is anticipated that the Town may desire assistance with field data collection. Also there will be a need for revising documents as development occurs within the Town so the material can be kept current. Therefore, for these undefined tasks a labor rate schedule would be as follows:

Senior Technician	\$ 75.00
CADD Operator w/Machines	<u>40.00</u>
TOTAL	\$115.00

* Manhole ties are planimetric only. If the Town would need invert elevations the rate schedule above would be utilized.



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Tamar Hunn & Associates, Inc.
 Knoxville, TN 37920

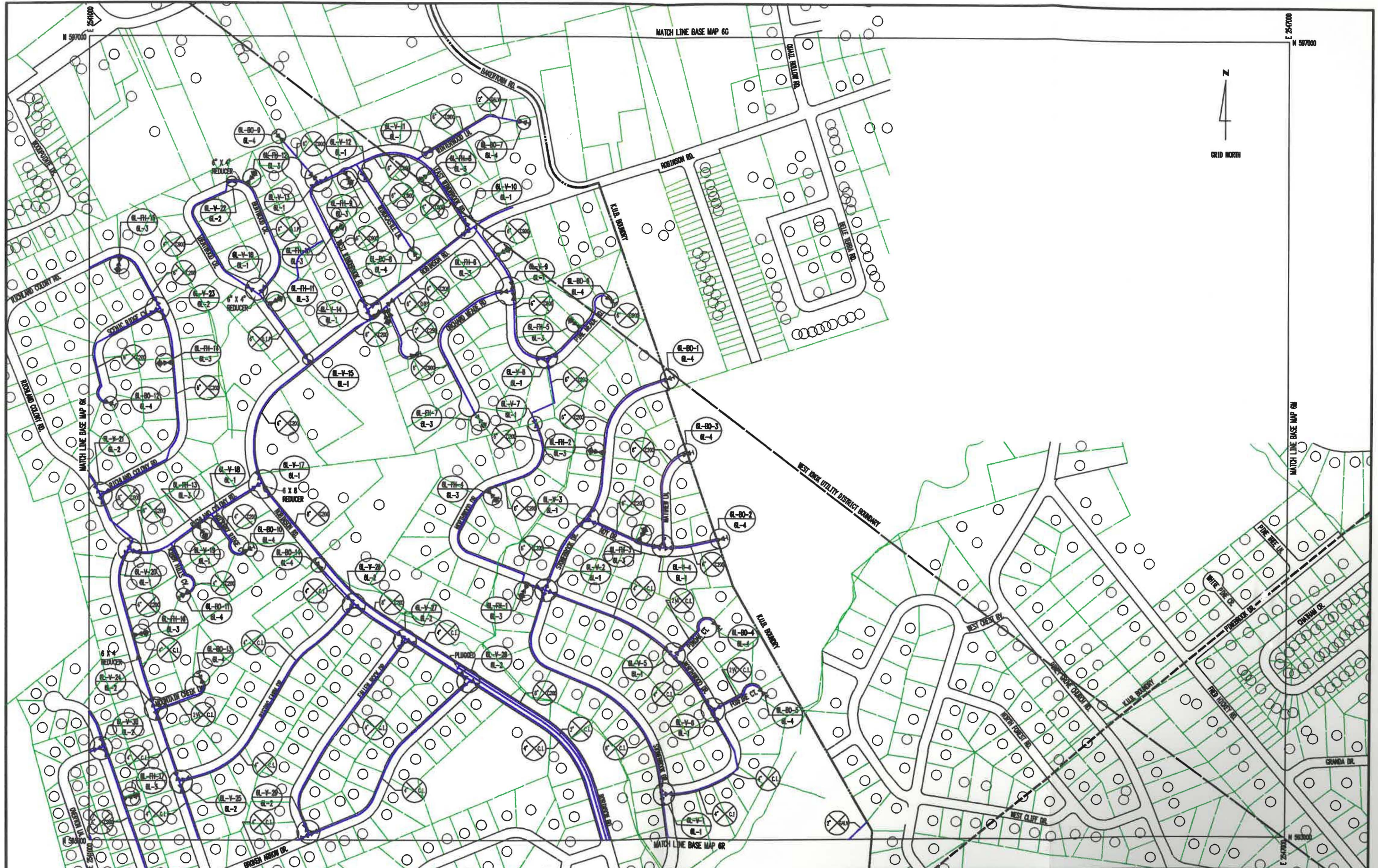
WEST KNOX UTILITY DISTRICT
 KNOX COUNTY, TENNESSEE

SEWER RECORD DRAWINGS

DESIGNED BY SCJ	CHECKED BY	SCALE 1"=200'	SHEET 6L
DATE 7-92	FILE NO. WK-145-RD	OF	

WK145DR.DWG 1:

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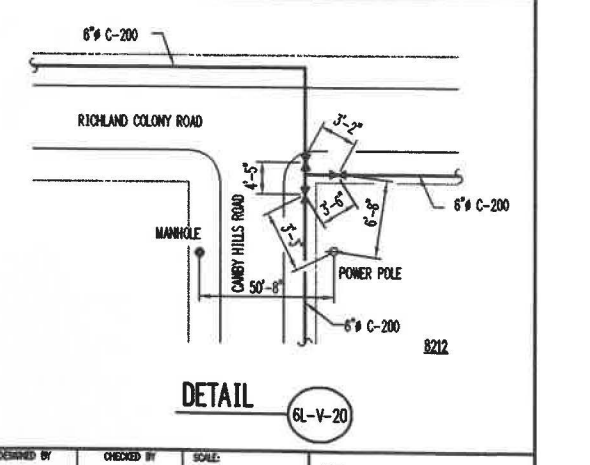
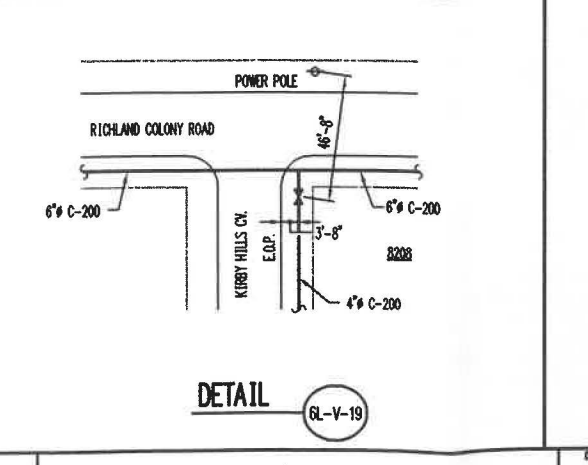
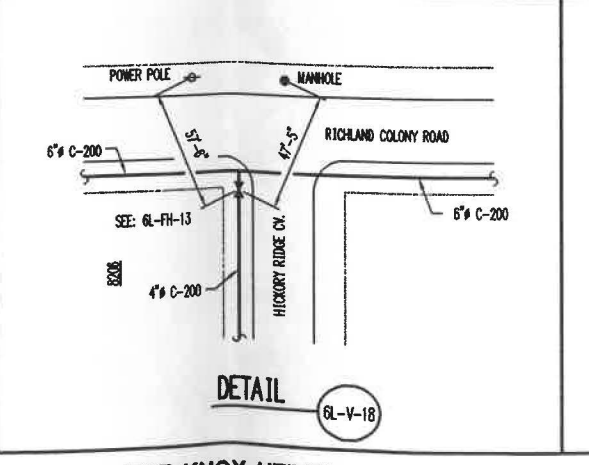
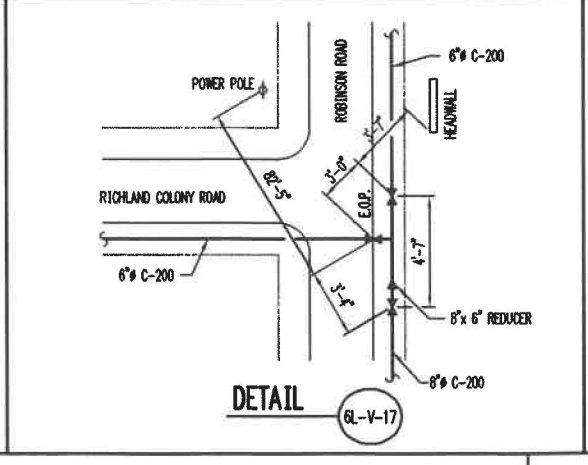
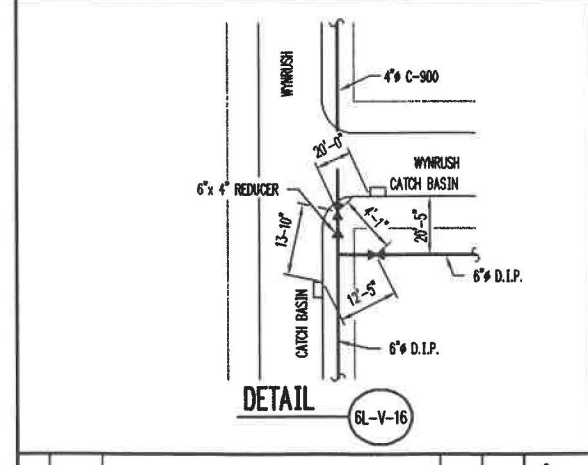
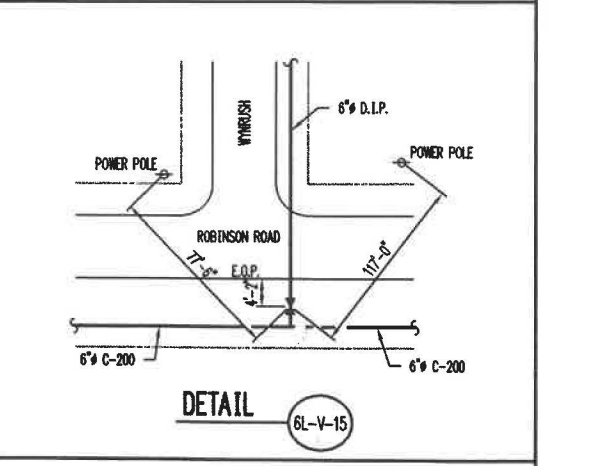
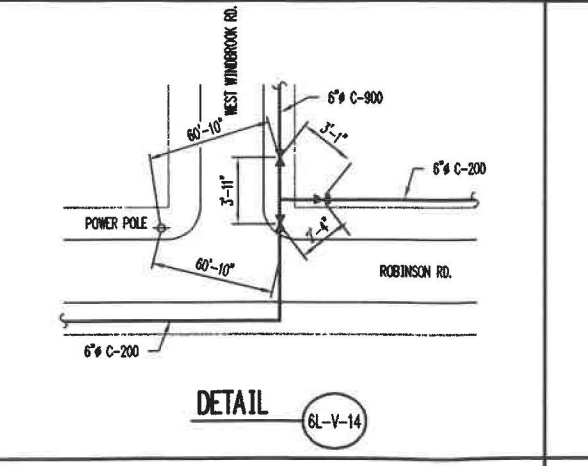
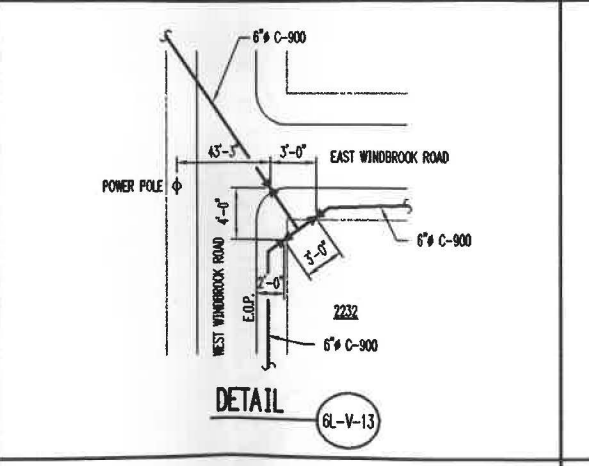
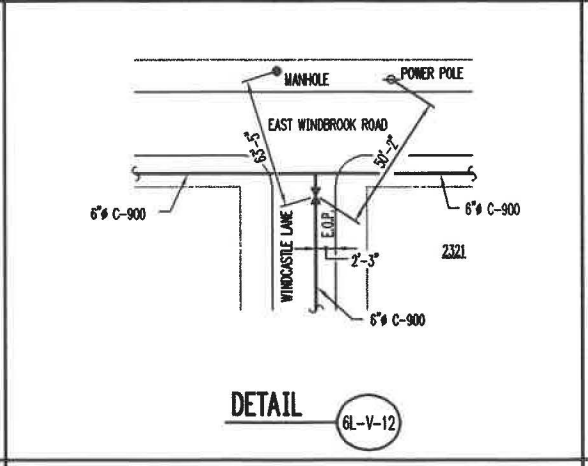
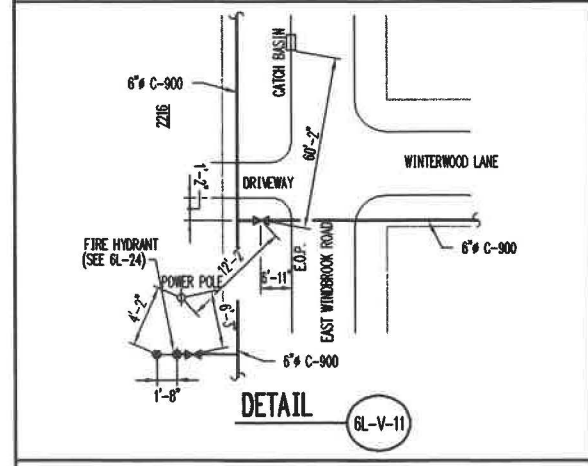
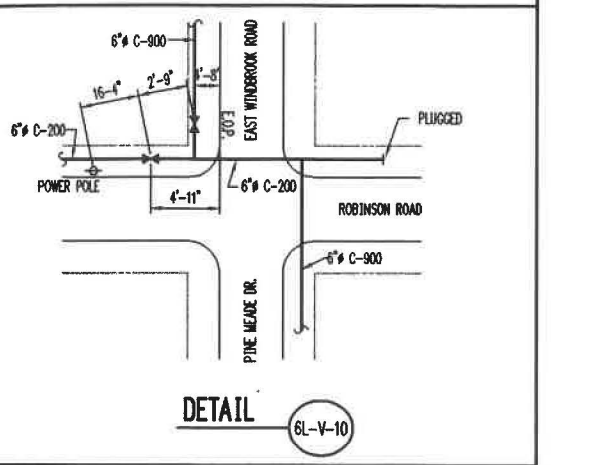
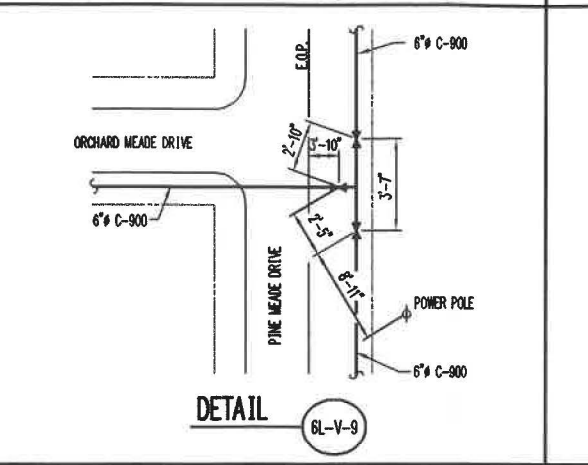
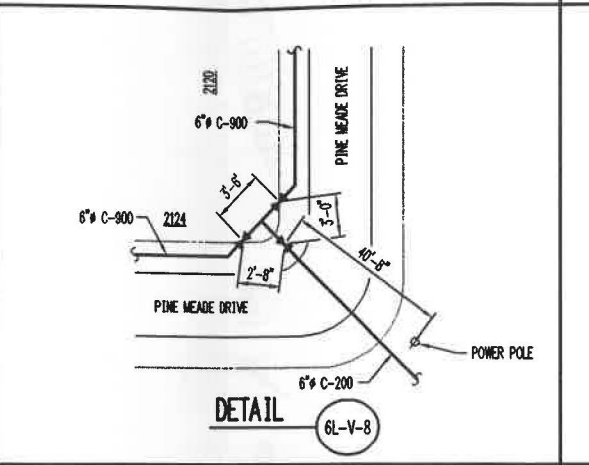
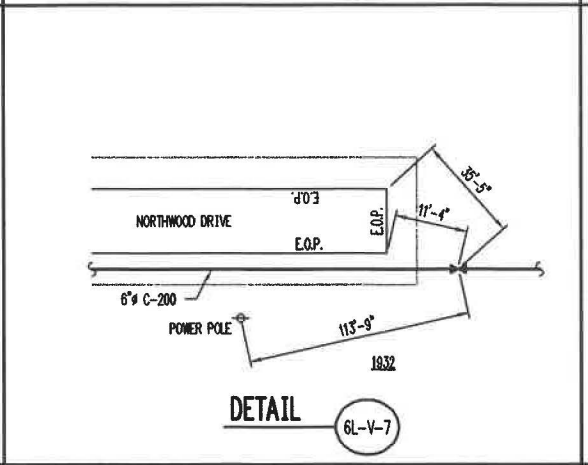
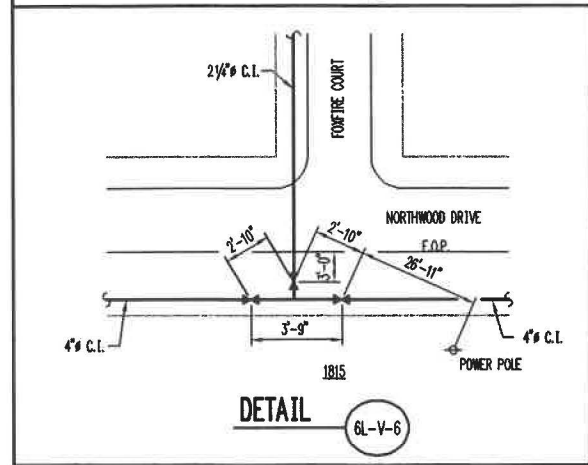
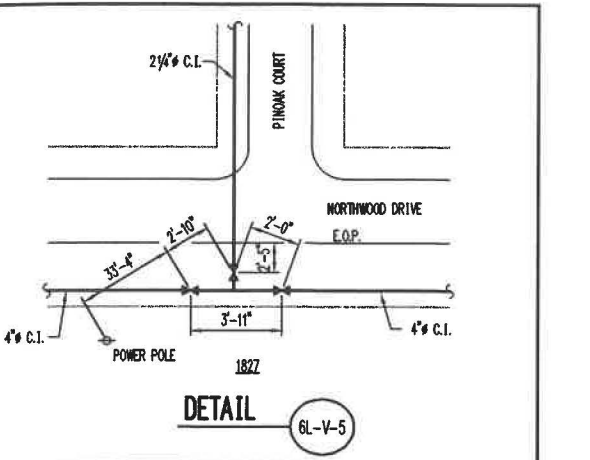
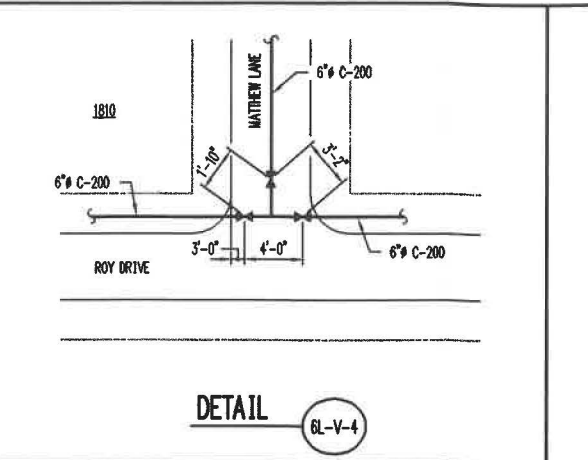
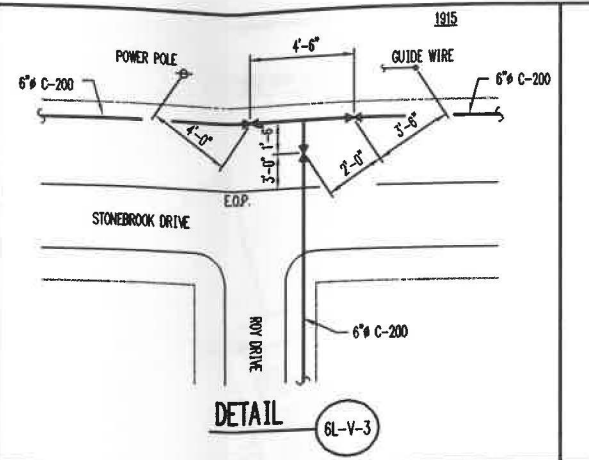
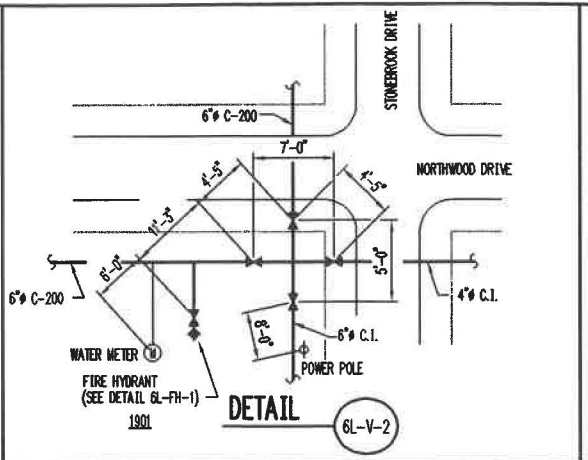
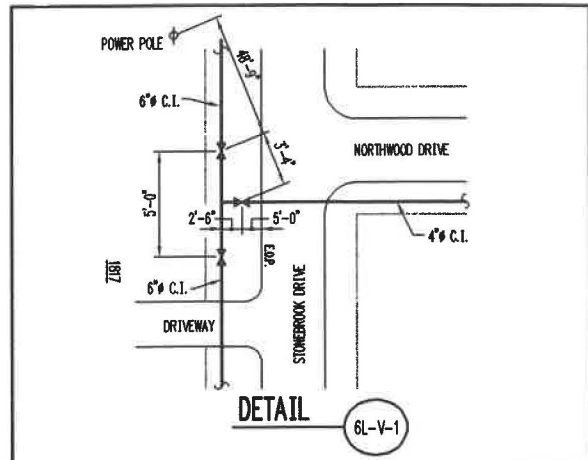
Lamar Dunn & Associates, Inc.
 Knoxville, TN 37920

WEST KNOX UTILITY DISTRICT
 KNOX COUNTY, TENNESSEE

WATER RECORD DRAWINGS

DESIGNED BY SCJ	CHECKED BY 7-92	SCALE 1"=200'	SHEET 6L
DATE 7-92	FILE NO. WK-145-RD		

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Tamar Dunn & Associates, Inc.
Knoxville, TN 37920

WEST KNOX UTILITY DISTRICT
KNOX COUNTY, TENNESSEE

DETAIL SHEET
BASE MAP 6L

DESIGNED BY LDA	CHECKED BY BGM	SCALE NO SCALE	SHEET OF
DWG 10-92	FILE NO. WK-145-RD		

6L-1
SHEETS