



CITY OF SPARTA
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AGENDA

BOARD OF MAYOR AND ALDERMEN

Thursday, September 7, 2023 - 5:00 PM
Sparta City Hall, 2nd Floor

1. Approval of the Minutes of the August 17, 2023 regular meeting.

ORDINANCES

2. Ordinance No. 23-963, an ordinance to amend Title 18, Chapter 1, Section 103 of the Sparta Municipal Code regarding sewer grinder pumps, second and final reading.
3. Ordinance No. 23-964, an Ordinance authorizing the rezoning of a portion of Millers Point Road from (R-A) Residential "A" to (C-D) Commercial "D", on first reading.

RESOLUTIONS

4. Resolution No. 23-586, a Resolution to establish a policy for Standard Water and Sewer Utility Specifications.

PURCHASING

5. Approve the low bid for Seal Coating and Striping of parking lots.
6. Approve the low bids for Street Striping
7. Approve the low bids for the purchase of a 300hp Motor and a Vertical Pump for the water plant.
8. Authorize the solicitation of bids for Tree Trimming Services for the Electric Department.

MISCELLANEOUS

9. Department heads reports.
10. Other NEW business.
11. UNFINISHED business.
12. Citizen Comments from Sparta Citizens (3minute limit).
13. Adjourn.



MINUTES

August 17, 2023

The Board of Mayor and Aldermen of the City of Sparta, White County, Tennessee, met in a scheduled meeting at Sparta City Hall, at 5:00 PM on the 17th day of August 2023, with Mayor Jerry Lowery presiding.

<u>Members Present</u>	<u>Members Absent</u>
Vice-Mayor Bobby Officer	
Alderman Jim Floyd	
Alderman Brian Jones	
Alderman Travis McBride	
Alderman Judy Payne	
	Alderman Brent Young

Status of other city staff members were:

Tonya R. Tindle	City Administrator / City Recorder	Present
Dillard Quick	Public Works Director	Present
Caroline Sapp	City Attorney	Present
Nick Dunn	Police Chief	Present
Kirk Young	Fire Chief	Absent
Mike O'Neal	Codes Enforcement	Absent
Tonia Wilson	Finance Director	Present
Belva Bess	Electric Manager	Present

A quorum was present and notice had been previously mailed to all members and the news media. Mayor Lowery called the meeting to order. Brian Jones opened with a prayer. Bobby Officer led the Pledge of Allegiance by request of the mayor.

There was a motion by Alderman Payne with a second by Alderman McBride to approve the minutes of the August 3, 2023 regular called meeting, which had been previously mailed to all board members and read by each member prior to the meeting. All voted "Aye" by voice vote. Motion passed.

There was a motion by Alderman Floyd with a second by Alderman Payne to approve Ordinance No.23-963 on second and final reading, an Ordinance to amend Title 18, Chapter 1, Section 103 of the Sparta Municipal Code regarding sewer grinder pumps. After discussion, Alderman Floyd rescinded his motion and Alderman Payne rescinded her motion. No additional action was taken, waiting clarification on a section of the Ordinance.

There was a motion by Vice-Mayor Officer with a second by Alderman Payne to approve the low bid for the purchase of Metal Utility Poles from Power Supply for the Electric Department in the amount of \$27,106.00. The roll call was as follows:

Alderman Floyd.....	Yes
Alderman Jones.....	Yes
Alderman McBride.....	Yes
Vice-Mayor Officer.....	Yes
Alderman Payne.....	Yes
Alderman Young.....	Absent
Mayor Lowery.....	Yes
The motion passed.	

There was a motion by Alderman Floyd with a second by Alderman Payne to approve the low bid for the purchase of six Metal Street Light Poles and LED Lights from Power Supply to be paid from State Street Aid Fund in the amount of \$13,813.32. The roll call was as follows:

Alderman Floyd.....	Yes
Alderman Jones.....	Yes
Alderman McBride.....	Yes
Vice-Mayor Officer.....	Yes
Alderman Payne.....	Yes
Alderman Young.....	Absent
Mayor Lowery.....	Yes

The motion passed.

There was a motion by Alderman Payne with a second by Vice-Mayor Officer to approve the low bid for CCTV for the CDBG sewer grant in the amount of \$68,750.00 to Pipeworks, Plus. The roll call was as follows:

Alderman Floyd.....	Yes
Alderman Jones.....	Yes
Alderman McBride.....	Yes
Vice-Mayor Officer.....	Yes
Alderman Payne.....	Yes
Alderman Young.....	Absent
Mayor Lowery.....	Yes

The motion passed.

There was a motion by Alderman Payne with a second by Alderman McBride to authorize the solicitation of bids for the purchase a 300hp motor and vertical pump for the water plant. All voted "Aye" by voice vote. Motion passed.

There was a motion by Vice-Mayor Officer with a second by Alderman Payne to approve solicitation of bids for street striping. All voted "Aye" by voice vote. Motion passed.

There was a motion by Alderman Payne with a second by Vice-Mayor Officer to reject all the bids for two police pursuit vehicles, due to the prices being over budget. All voted "Aye" by voice vote. Motion passed.

Department heads placed their reports in the agenda and Aldermen asked questions.

There was a motion by Alderman Jones with a second by Vice-Mayor Officer to approve the solicitation of bids for the seal coating of various city parking lots as well as adding additional streets to the paving list, due to excess paving funds. The current paving bid is still active. All voted "Aye" by voice vote. Motion passed.

No citizens comments were heard.

Additional items were discussed:

- Handrails
- Overnight Parking at Metcalf Park
- Caboose painting and lighting

There being no further business, there was a motion to adjourn by Alderman Payne with a second by Alderman McBride. All voted "Aye" by voice vote. Motion passed. The meeting was adjourned at 5:29 P.M.

Read and approved this _____ day of _____, 2023

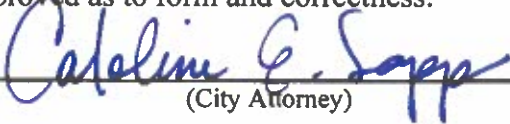
Jerry Lowery, Mayor

ATTEST

Tonya R. Tindle, City Recorder

AGENDA ITEM #2

ORDINANCE

AN ORDINANCE TO AMEND TITLE 18 CHAPTER 1 SECTION 103 OF THE SPARTA MUNICIPAL CODE PERTAINING TO GRINDER PUMP WASTEWATER SYSTEMS	ORDINANCE #23-963
	Requested By: Tonya Tindle, City Administrator
	Prepared By:
	Approved as to form and correctness:  (City Attorney)
	Passed 1 st Reading: August 3, 2023
	Passed 2 nd Reading:
	Minute Book Page

Title 18 Chapter 1 of the Sparta Municipal Code is hereby amended as follows:

18-103. Grinder pump wastewater systems. The use of septic tanks, septic tank effluent pumps, septic tank effluent gravity sewer services or other, non-approved methods are expressly prohibited as sources for sanitary sewer services and/or for connections to the city's sanitary sewer system. When connection of building sewers to the public sewer by gravity flow lines is impossible due to elevation differences or other encumbrances, or Grinder Pump (GP) systems may be installed subject to the regulations of the City of Sparta.

- (1) Equipment requirements. Grinder pumps must be Environment one (E-one) Brand pumps for which the design must be reviewed and approved by the city
- (2) Installation requirements. Location of tanks, pumps, and effluent lines shall be subject to the approval of the city. Installation shall follow design criteria for GP systems as provided by the manager and as noted in the City of Sparta Standard Utility Specifications.
- (3) Costs. GP equipment for new construction shall be purchased and installed at the developer's, homeowners, or business owner's expense according to the specification of the city and connection will be made to the city sewer only after inspection and approval of the city.
- (4) Ownership and easements. Homeowners or developers shall provide the city proof of complete and successful testing and start up. The GP system must be guaranteed to operate in accordance with the design criteria established in the Standard Utility Specifications. Access to the pumps, tanks, ports, and electrical disconnects must not be locked, obstructed or blocked by landscaping or construction.

(5) Use of GP systems. (a) Home or business owners shall follow the GP users guide provided by the manager.

(b) Home or business owners shall provide an electrical connection that meets specifications and shall provide electrical power.

(c) Home or business owners shall be responsible for maintenance drain lines from the building to the GP tank.

(d) Prohibited uses of the GP system.

(i) Connection of roof guttering, sump pumps or surface drains;

(ii) Disposal of toxic household substances;

(iii) Use of garbage grinders or disposers;

(iv) Discharge of water softener backwash water;

(v) Discharge of pet hair, lint, or home vacuum water;

(vi) Discharge of fats, grease, and oil.

(6) Grinder sewage pump systems ("Grinder pumps") may not be installed or used within the City of Sparta ("City") except with the prior written approval of the City as set forth in this policy. The installation or use of a grinder sewage pump shall be in strict compliance with City specifications and rules established by the Tennessee Department of Environment and Conservation ("TDEC").

The City may approve the installation and use of a grinder pump under certain circumstances and subject to the conditions in this policy and other requirements and restrictions applicable to the particular property. All grinder pumps must be approved by the Planning Commission upon the recommendation of the City Engineer. The installation and use of grinder pumps shall be referenced on all plats or site plans approved by the Planning Commission. The City may require the developer/property owner to show or dedicate easements with respect to a grinder pump.

Before connection to the City's wastewater system and the issuance of a certificate of occupancy:

(1) all grinder pumps (and related equipment) shall be inspected and approved by the City; and

(2) the developer and/property owner(s) shall execute an agreement with the City to be recorded with the White County Register of Deeds office. In order to insure that subsequent property owners have notice of the use of a grinder pump and their responsibilities for the system, proof of recording of the agreement shall be required before the issuance of a certificate of occupancy.

As a condition of approval for the installation and use of a grinder pump, the developer/property owner(s) shall agree in writing that the City has the right, at any time, with or without notice, to access the property.

The City shall also require subsequent wastewater/water customers/property owners to execute an agreement acknowledging the conditions of the continued use of grinder pump to establish a water/wastewater account with the City. The

above agreements shall specifically give the City the authority to disconnect water service to a property in the event of a failure of the system or the non-payment of the cost of reimbursement for the work described above.

Property owners shall maintain, repair and replace their grinder pump system with a contractor of their own choosing; however, such work, equipment and the contractor shall be subject to inspection and approval by the City.

Nothing in this policy shall be interpreted to in any way to waive strict compliance with the rules and regulations of TDEC or the construction specifications and standards of the City.

Be it enacted by the Board of Mayor and Alderman of the city of Sparta, Tennessee. This ordinance shall become effective immediately upon final adoption thereof, the public welfare requiring it.

Passed 1st reading August 3, 2023

Passed 2nd reading _____, 2023

Publication date _____, 2023

CITY OF SPARTA

Jerry Lowery, Mayor

ATTEST:

Tonya R. Tindle, City Recorder

AGENDA ITEM #3

ORDINANCE

AN ORDINANCE AUTHORIZING THE REZONING OF MILLERS POINT ROAD FROM (R-A) RESIDENTIAL A TO (C-D) COMMERCIAL "D"	ORDINANCE # 23-964
	Requested By: Sparta Municipal Planning Commission
	Prepared By: City Administrator
	Approved as to form and correctness: _____ (City Attorney)
	Passed 1 st Reading:
	Passed 2 nd Reading:
	Minute Book Page

WHEREAS, the Sparta Board of Mayor and Aldermen, in accordance with Section 13-7-203 and 13-7-204 of the Tennessee Code Annotated, may from time to time, amend the zoning ordinance and related maps; and

WHEREAS, the Sparta, Tennessee Municipal Planning Commission met on August 1, 2023 and voted to recommend to the Board of Mayor and Aldermen that the Zoning Map of Sparta, Tennessee be changed from R-A to C-D for a certain parcel of property; and

WHEREAS, the Sparta, Tennessee Board of Mayor and Aldermen held a public hearing on September 21, 2023, after adequate public notice; and

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF MAYOR AND ALDERMEN OF THE CITY OF SPARTA, TENNESSEE THAT:

Section 1. The Zoning Map, Sparta, Tennessee March 2012" is hereby amended by changing the zoning classification of property on Millers Point Road (parcel 081.01 on Tax Map 040) from Residential R-A to Commercial C-D and;

Section 2. This ordinance shall take effect upon final passage, subsequent to a necessary public hearing, the public welfare requiring it.

Passed 1st reading _____, 2023

Passed 2nd reading _____, 2023

Publication date _____, 2023

CITY OF SPARTA

Jerry Lowery, Mayor

ATTEST:

Tonya R. Tindle, City Recorder

AGENDA ITEM #4

RESOLUTION

<i>A RESOLUTION OF THE CITY OF SPARTA, TO ESTABLISH A POLICY FOR STANDARD WATER AND SEWER UTILITY SPECIFICATIONS</i>	RESOLUTION # 23-586
	Requested By:
	Prepared By:
	Approved: City Attorney
	Minute Book Page

WHEREAS, it is in the public interest for the City of Sparta to adopt a Standard Water and Sewer Utility Specification;

NOW, THEREFORE, BE IT RESOLVED BY THE SPARTA MAYOR AND BOARD OF ALDERMEN, AS FOLLOWS:

STANDARD UTILITY SPECIFICATIONS

CITY OF SPARTA, TENNESSEE



HONORABLE JERRY LOWERY, MAYOR
TONYA TINDLE, CITY ADMINISTRATOR
DILLARD QUICK, PUBLIC WORKS DIRECTOR
GREG O'NEAL, WATER SUPERINTENDENT
MIKE DAVIS, SEWER SUPERINTENDENT

MARCH 2023

Prepared By:




**THE CITY OF SPARTA
STANDARD UTILITY SPECIFICATIONS**

APPROVALS PAGE

Engineer's Seal (Hethcoat & Davis, Inc.):



Approval, State of Tennessee, Division of Water Resources:

<p style="text-align: center;">WPN 23.0294 Standard Specifications- Sewer</p> <p style="text-align: center;">APPROVED FOR CONSTRUCTION TENNESSEE DEPT. OF ENVIRONMENT & CONSERVATION DIVISION OF WATER RESOURCES AND IS HEREBY APPROVED FOR CONSTRUCTION BY THE COMMISSIONER</p> <p style="text-align: center;"> 08/21/2023</p> <p style="text-align: center;"><small>THIS APPROVAL SHALL NOT BE CONSTRUED AS CREATING A PRESUMPTION OF CORRECT OPERATION OR AS WARRANTING BY THE COMMISSIONER THAT THE APPROVED FACILITIES WILL REACH THE DESIGNED GOALS.</small></p> <p style="text-align: center;">APPROVAL EXPIRES FIVE YEARS FROM ABOVE DATE</p>
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Approval, State of Tennessee, Division of Water Resources:


<p style="text-align: center;">DW20230534 APPROVED WATER SPECIFICATIONS THE DOCUMENT BEARING THIS STAMP HAS BEEN RECEIVED AND REVIEWED BY THE TENNESSEE DEPT. OF ENVIRONMENT & CONSERVATION DIVISION OF WATER RESOURCES AND IS HEREBY APPROVED FOR USE IN CONSTRUCTION BY THE COMMISSIONER</p> <p style="text-align: center;"> 08/21/2023</p> <p style="text-align: center;"><small>THIS APPROVAL SHALL NOT BE CONSTRUED AS CREATING A PRESUMPTION OF CORRECT OPERATION OR AS WARRANTING BY THE COMMISSIONER THAT THE APPROVED FACILITIES WILL REACH THE DESIGNED GOALS.</small></p> <p style="text-align: center;">APPROVAL EXPIRES FIVE YEARS FROM ABOVE DATE</p>

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SECTION 1.00

POLICIES AND PROCEDURES

1.01 PURPOSE

- A. The purpose of this document is to assemble the Policies and Procedures that have been adopted by the City of Sparta Authority to protect the public health, safety, and welfare, and to promote uniformity in the development of City of Sparta facilities.
- B. These standards are subject to change, and interested parties are advised to check with the City Administrator in the event there are any questions concerning the status of the published document. Updates to these standards are available at Sparta's City Hall.

1.02 DEFINITIONS

- A. Whenever the words, forms, or phrases defined or pronouns used in their stead occur in these Specifications, or any document or instrument herein contemplated or to which these specifications apply, the intent and meaning shall be construed and interpreted as follows:
- B. ABBREVIATIONS: The following organizations are referred to in these Specifications by abbreviations of their titles:
 - (a) AASHTO American Association of State Highway and Transportation Officials.
 - (b) ACI American Concrete Institute
 - (c) AFBMA Anti-Friction Bearing Manufacturer's Association
 - (d) AGA American Gas Association
 - (e) AIEE American Institute of Electrical Engineers
 - (f) AISC American Institute of Steel Construction
 - (g) AISI American Iron and Steel Institute
 - (h) ANSI American National Standards Institute
 - (i) ARAP Aquatic Resource Alteration Permit
 - (j) ASA American Standards Association
 - (k) ASTM American Society for Testing and Materials
 - (l) AWS American Welding Society
 - (m) AWWA American Water Works Association
 - (n) COE Corps of Engineers
 - (o) CSI Construction Specifications Institute
 - (p) DIP Ductile Iron Pipe
 - (q) IEEE Institute of Electrical and Electronic Engineers
 - (r) EPA U.S. Environmental Protection Agency
 - (s) HDPE High Density Polyethylene
 - (t) NEC National Electrical Code

(u)	NEMA	National Electrical Manufacturer's Association
(v)	NPDES	National Pollution Discharge Elimination System
(w)	NPT	National Pipe Thread
(x)	NSF	National Sanitation Foundation
(y)	OSHA	Occupational Safety and Health Administration
(z)	PVC	Polyvinyl Chloride
(aa)	ROW	Right-of-Way
(bb)	TDEC	Tennessee Department of Environment and Conservation
(cc)	TDOT	Tennessee Department of Transportation
(dd)	TVA	Tennessee Valley Authority
(ee)	UL	Underwriters Laboratories
(ff)	USGS	United States Geologic Survey
(gg)	WEF	Water Environment Federation

- C. AUTHORITY: City of Sparta, Tennessee.
- D. AUTHORITY ENGINEER: The person or firm hired or contracted to be the Authority Engineer.
- E. AUTHORITY REPRESENTATIVE: An authorized representative of the Authority assigned to observe the construction of the work and advise the Authority of the Work's prosecution.
- F. CITY ADMINISTRATOR: City Administrator of the City of Sparta.
- G. COUNTY: The County of White within the State of Tennessee.
- H. CUL-DE-SAC: A minor street with only one outlet and having an appropriate terminal for the safe and convenient reversal of traffic movement.
- I. DEDICATION: The transfer of property from private to public ownership.
- J. DESIGN ENGINEER: Engineer of record performing detail design of Plans submitted to the Authority for approval of water and wastewater.
- K. DEVELOPER: The legal or beneficial owner or owners of all the land proposed to be included in a given development or the authorized agent thereof. In addition, the holder of an option or contract to purchase, a lessee having a remaining term of not less than thirty (30) years, or other persons having an enforceable proprietary interest in such land shall be deemed to be a developer for the purpose of these Regulations.
- L. DEVELOPMENT: The act of combining raw land, roads, utilities, buildings, financing and promotion into a completed operating property with "permanent" improvements.

- M. DEVELOPMENT, SUBSTANTIAL COMPLETION OF: Completion and acceptance by the responsible agency of all streets, roads, alleys, curbs and gutters, surface drainage measures for prevention of soil erosion and private property, parks and open space and utilities (which shall be stubbed out to ownership tracts where appropriate); and certification indicating that all required improvements have been installed or that sufficient bond exists to cover all costs of completion of the improvements; and additional certificates and dedications necessary to insure adequate access for public protection and utilities as well as conformance to applicable plans and ordinance requirements.
- N. EASEMENT: A grant by the property owner of use, by the public, a corporation, or person(s) of a strip of land for specified reasons, or as created by operation of law.
- O. EMPLOYEE: Any person working on the project to which these Specification apply and who is under the direction or control of, and receives compensation from, the Authority.
- P. ENGINEER: Authority Engineer.
- Q. EQUIPMENT: All machinery, together with the necessary supplies for upkeep and maintenance, and also all tools and apparatus necessary for the proper construction and acceptable completion of the work.
- R. FLOODPLAIN: Those land areas in and adjacent to streams and watercourses subject to continuous or periodic inundation from 100-year flood frequency events. Floodplains shall include all areas of the County, which are designated as floodplain by the Federal Insurance Administration, by the United States Geological Survey or by the State of Tennessee. Areas designated as floodplains by the Federal Insurance Administration shall not have their base flood elevations altered without prior approval from Federal Insurance Administration.
- S. HEALTH DEPARTMENT: Shall mean the County Health Department of the appropriate jurisdiction.
- T. INSPECTOR: An authorized representative of the Engineer and/or Authority assigned to make all necessary inspections and/or tests of the work performed, or of the materials furnished or being furnished by the Contractor.
- U. LABORATORY: The official testing laboratories of the Authority or such other laboratories as may be designated by the Authority
- V. LOT: A tract, plot, or portion of a subdivision or other parcel of land intended as a unit for the purpose, whether immediate or future, of transfer of ownership or for building development.

- W. MATERIALS: Any substance specified for use in the work and its appurtenances.
- X. NONRESIDENTIAL SUBDIVISION: A subdivision whose intended use is other than residential, such as commercial or industrial.
- Y. OR EQUAL: Wherever a particular process, material, device, detail, or part is specified herein, followed by these words or by similar or equivalent expressions, such words or expressions shall be understood to mean and permit the use of another process, material, device, detail or part that the Engineer shall determine is fully equal in suitability, equality, durability, performance, and in all other respects, to the process, material, device, detail, or part herein specified for such use, and shall approve for such use in the work.
- Z. OWNER: The term "Owner" shall mean any person, group of persons, firm or firms, corporation or corporations, or any other legal entity having legal title to or sufficient proprietary interest in the land sought to be subdivided under these regulations.
- AA. OWNER'S ENGINEER: Shall mean the engineer or land surveyor registered and in good standing with the State Board of Registration of Tennessee who is the agent in his professional capacity of the owner of land which is proposed to be subdivided or which is in the process of being subdivided.
- BB. PLANNED RESIDENTIAL DEVELOPMENT: Shall mean the use of land and density of buildings and structures different from those which are allowed as of right within the zoning district in which the land is situated.
- CC. PLANS: The official construction drawings or exact reproduction thereof which show and describe the work to be done.
- DD. PRIMARY CIRCUITS: Shall mean wiring methods from a distribution network to a secondary supply transformer.
- EE. PROBATE JUDGE: Shall mean the County Judge of Probate for the appropriate competent jurisdiction.
- FF. PROVIDE: Shall mean furnish, install and connect, and put in good working order.
- GG. REGISTERED ENGINEER: An engineer properly licensed and registered in the State of Tennessee.
- HH. RESUBDIVISION: A change in a map of an approved or recorded subdivision plat if such change affects any street layout on such map or area reserved thereon for public use, or any lot line; or if it affects any map or plan legally recorded prior to the adoption or any regulations controlling subdivisions.

- II. SANITARY SEWER: A sewer which carries wastewater.
- JJ. SECONDARY CIRCUITS: Shall mean wiring methods from a secondary supply transformer to a meter base.
- KK. SKETCH PLAT: A sketch preparatory to the preparation of the preliminary plat (or Final Plat in the case of minor subdivision) to enable the applicant to save time and expense in reaching general agreement with the Authority as to the form of the plat and the objectives of these regulations.
- LL. SPECIAL CONDITIONS: Additions and revisions to the standard Specifications applicable to an individual project. The special conditions are intended to supplement, modify, or delete items covered in the standard Specifications. Special conditions shall prevail over General Conditions.
- MM. SPECIFICATIONS: A part of the documents containing the written directions, provisions, and requirements for completing the work. Standards for specifying material or testing which are cited in the contract Specifications by reference shall have the same force and effect as if included in the contract physically.
- NN. STATE: The State of Tennessee.
- OO. STATION: A specific point on the centerline of a sewer or water main or on the survey baseline designating some specific distance from the point of origin. Stations are numbered in terms of one hundred linear feet measured horizontally.
- PP. STORM SEWER: A sewer which carries surface runoff and subsurface waters.
- QQ. STRUCTURES: Facilities such as bridges, culverts, catch basins, inlets, retaining walls, cribbing, storm and sanitary sewer lines, water lines, underdrains, electrical ducts, manholes, handholes, lighting fixtures and poles, transformers, flexible and rigid pavements, buildings, vaults, and other manmade features that may be encountered in the work and not otherwise classified herein.
- RR. SUBDIVIDER: Any person who (1) having an interest in land, causes it, directly or indirectly, to be divided into a subdivision or who (2), directly or indirectly, sells, leases, or develops, or offers to sell, lease, or develop, or advertises for sale, lease, or development, any interest, lot, parcel, site, unit, or plat in a subdivision, and who (3) is directly or indirectly controlled by, or under direct, or indirect common control with any of the foregoing.
- SS. SUBDIVISION: Shall mean the division of a lot, tract, or parcel of land into two (2) or more lots, plats, sites, or other division of land for the purpose, whether immediate or future, of sale or of building development. It includes re-subdivision and, when appropriate to the context, relates to the process of subdividing or to the land or

territory being subdivided. It shall include all divisions of land involving the dedication of a new street or a change in existing streets.

- TT. WIRING: Shall mean wire and a cable, installed in raceway with all required boxes, fittings, connectors, etc. completely installed.
- UU. WORK: The furnishing of all labor, materials, tools, equipment and incidental necessary or convenient to the Contractor's performance of all duties and obligations imposed by the contract, Plans and Specifications.
- VV. WRITTEN NOTICE: Any notice to any party of the contract relative to any part of the contract in writing and considered delivered and the service thereof completed, when posted by certified or registered mail to the said party at his last given address, or delivered in person to said party or his authorized representative on the work.

1.03 STANDARD REFERENCE SPECIFICATIONS

- A. All standard Specifications referenced throughout these Specifications are to be taken as the latest version available.
- B. The following is a nonexclusive list of national standard Specifications referenced in these Specifications:

AASHTO: A Policy on Geometric Design of Highways and Streets

ANSI

- A21.10 Standard for Gray-Iron Ductile-Iron Fittings, 2-inch Through 48-inch for Water and other Liquids
- A21.11 Standard for Rubber Gasket Joints for Cast-Iron and Ductile-Iron Pressure pipe and Fittings
- A21.15 Standard for Flanged Cast-Iron and Ductile-Iron Pipe with Threaded Flanges
- A21.40 Standard for Cement-Mortar Lining for Cast-Iron and Ductile-Iron Pipe and Fittings for Water
- A21.50 Standard for Thickness Design of Ductile-Iron Pipe
- A21.51 Standard for Ductile-Iron Pipe, Centrifugally Cast in Metal Molds or Sand-Lined for Water or Other Liquids

ASTM

- A27 Mild to Medium Strength Carbon Steel Castings for General Application
- A44 Gray Iron Castings
- A53 Pipe, Steel, Black and Hot Dipped, Zinc Coated Welded and Seamless
- A82 Cold-Drawn Steel Wire for Concrete Reinforcement
- A123 Zinc (Hot-Galvanized) Coatings on Products Fabricated from Rolled,

	Pressed, and Forged Steel Shapes, Plates, Bars, and Strip
A153	Zinc Coating (Hot-Dip) on Iron and Steel Hardware
A167	Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet and Strip
A184	Fabricated Deformed Steel Bars Mats for Concrete Reinforcement
A185	Welded Steel Wire Fabric for Concrete Reinforcement
A227	Steel Wire, Hard-Drawn for Mechanical Springs
A283	Low and Intermediate Tensile Strength Carbon Steel Plates, Shapes, and Bars
A307	Carbon Steel Externally Threaded Standard Fasteners
A449	Quenched and Tempered Steel Bolts and Studs
A496	Deformed Steel Wire for Concrete Reinforcement
A497	Welded Deformed Steel Wire Fabric for Concrete Reinforcement
A563	Carbon and Alloy Steel Nuts
A570	Hot-Rolled Carbon Steel Sheet and Strip, Structural Quality
A615	Deformed and Plain Billet-Steel Bars for Concrete Reinforcement
A616	Rail-Steel Deformed and Plain Bars for Concrete Reinforcement
A617	Axle-Steel Deformed and Plain Bars for Concrete Reinforcement
A648	Steel Wire, Hard Drawn for Prestressing Concrete Pipe, Spec
A746	Ductile Iron Gravity Sewer Pipe
B47	Copper trolley Wire
B108	Aluminum-Alloy Permanent Mold Castings
B209	Aluminum-Alloy Sheet and Plate
B211	Aluminum-Alloy Bar, Rod, and Wire
B221	Aluminum-Alloy Extruded Bars, Rods, Wire, Shapes and Tubes
B241	Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube
B308	Aluminum-Alloy Standard Structural Shapes, Rolled or Extruded
C31	Making and Curing Concrete Test Specimens in the Field
C32	Sewer and Manhole Brick (Made from Clay or Shale)
C33	Concrete Aggregates
C39	Comprehensive Strength of Cylindrical Concrete Specimens,
C42	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete
C62	Building Brick (Solid Masonry Units Made From Clay or Shale)
C76	Reinforced Concrete, Culvert, Storm Drain and Sewer Pipe
C90	Hollow Load-Bearing Concrete Masonry Units
C94	Ready Mix Concrete
C109	Compressive Strengths of Hydraulic Cement Mortars (Using 2 in. or 5MM Cube Specimens), Test Method for Portland Cement
C150	Portland Cement
C171	Sheet Materials for Curing Concrete
C172	Sampling Free Concrete
C173	Air Content of Freshly Mixed Concrete By the Volumetric Method
C216	Facing Brick (Solid Masonry Units Made from Clay or Shale)
C260	Air-Entraining Admixtures for Concrete
C309	Liquid Membrane-Forming Compounds for Curing Concrete
C425	Compression Joints for Vitrified Clay Pipe and Fittings

C443	Joints for Circular Concrete Sewer and Culvert Pipe, Using Rubber Gaskets
C478	Precast Reinforced Concrete Manhole Sections
C494	Chemical Admixtures for Concrete
C497	Determining Physical Properties of Concrete Pipe (D-Load Test)
C564	Rubber Gaskets for Cast Iron Soil Pipe and Fittings
C828	Low-Pressure Air Test of Vitrified Clay Pipe Lines (4 to 12 in.)
D698	Moisture-Density Relations of Soils and Soil-Aggregate Mixtures, Using 5.5 lb. Rammer and 12-inch. Drop
D968	Abrasion Resistance of Organic Coatings by the Falling Abrasive Tester
D1238	Flow Rates of Thermoplastics by Extrusion Plastometer
D1248	Polyethylene Plastics Molding and Extrusion Materials
D1505	Density of Plastics by the Density-Gradient Technique
D1693	Environmental Stress-Cracking of Ethylene Plastics
D2122	Dimensions of Thermoplastic Pipe and Fittings
D2657	Heat Joining of Polyolefin Pipe and Fittings
D2751	Acrylonitrile-Butadiene-Styrene (ABS) Sewer Pipe and Fittings,
D2794	Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact)
D2837	Hydrostatic Design Basis for Thermoplastic Pipe Materials

AWWA

C105	Polyethylene Encasement for Gray and Ductile Cast Iron Piping for Water and Other Liquids
C115	Standard for Flanged Cast-Iron and Ductile-Iron Pipe with Threaded Flanges
C301	Standard for Prestressed Concrete Pressure Pipe, Steel Cylinder Type, for Water and other Liquids
C302	Standard for Reinforced Concrete Pressure Pipe, Non-Cylinder Type, for Water and Other Liquids
C500	Standard for Gate Valves 3 in. Through 48 in. NPS for Water and Sewage Systems.
C502	Dry-Barrel Fire Hydrants
C504	Rubber-Seated Butterfly Valves
C509	Resilient-Seated Gate Valves, 3 in. through 12 in. NPS, for Water and Sewer Systems
C550	Protective Interior Coatings for Valves and Hydrants
C600	Installation of Ductile-Iron Water Mains and their Appurtenances.
C601	Disinfecting Water Mains

C. The following is a list of other publications referenced in the Specifications:

1. Tennessee Department of Transportation
 - a) Manual on Uniform Traffic Control Devices for Streets, and Highways.
 - b) Standard Specifications for Highway Construction
2. Occupational Safety and Health Administration Publications.
 - a) Safety and Health Regulations for Construction.
3. Americans with Disabilities Act Guidelines.
4. Architectural Barriers Act.

1.04 STANDARDS FOR CONSTRUCTION PLANS

- A. All Construction Plans must have a Title Sheet with certain required signatures, including a Tennessee Professional Engineer's seal. The format for these signatures is illustrated below.

CONSTRUCTION PLAN CERTIFICATES

CERTIFICATE OF ACCURACY OF ENGINEERING AND DESIGN

I, (printed name of signer), do hereby certify that I am a registered Professional Civil Engineer and hereby certify that the plans, engineering and designs governing the construction of this subdivision are true and correct, and conform to the requirements set forth in the Subdivision Regulations and Technical Specification of the City of Sparta.

In witness where of, I, (printed name of signer), the said Professional Civil Engineer, hereunto set out my hand and affix my seal this _____ day of _____, 20__.

Professional Civil Engineer
State of Tennessee
Certificate No. _____

(SEAL) _____

(CON'T NEXT PAGE)

CERTIFICATE OF ADEQUACY OF STORM DRAINAGE

I, (printed name of signer), do hereby certify that I am a registered Professional Civil Engineer, and that I have designed all storm water drainage for the (name of subdivision) Subdivision to assure that neither said subdivision nor any adjoining properties will be damaged or the character of land use affected by the velocity and volume of water entering or leaving same.

In witness where of, I, (printed name of signer), the said Professional Civil Engineer, hereunto set out my hand and affix my seal this _____ day of _____, 20__.

Professional Civil Engineer

State of Tennessee

Certificate No. _____

(SEAL) _____

PLANNING COMMISSIONS CERTIFICATE OF APPROVAL OF THE CONSTRUCTION PLAN

I, (printed name of signer), do hereby certify that the City of Sparta's Planning Commission has approved this as the Construction Plan. The signing of this certificate in no way indicates approval of or acceptance of the Final Plat.

_____, 20__
Date

Secretary, City of Sparta Planning
Commission

- B. The signatures of The City of Sparta personnel indicate the following:

Review of Construction Plans for conformance with the Standard Construction Specification, a review of the Construction Plans for acceptable hydraulic, flow-carrying capacity and compatibility with long-term growth plans of the proposed water and sewer facilities.

- C. The Title Sheet must contain a location map at a scale not smaller than 1"=1,000', the name of the project, and the name(s), addresses, and telephone numbers of the Developer(s). The Title sheet must also contain an index to all sheets, and the following statement in the lower right-hand corner:

"Construction Specifications, latest edition as adopted by the City of Sparta is, hereby made a part of these Plans."

- D. Street Plan containing the following:

1. Location of all proposed and existing streets or rights-of-way in or adjacent to the subdivision.
 2. Width of existing and proposed rights-of-way
 3. Street names
 4. Plan of all streets, showing natural and finished grades drawn to a scale of not less than 1"=100'
 5. Location of all required sidewalks and crosswalks.
- E. Storm Drainage Plan containing the following information:
1. Location of proposed drainageways, streams, and ponds in the subdivision.
 2. Topography at contour intervals not exceeding 2-foot.
 3. Location of easements and right-of-way for drainage ways and maintenance access thereof.
 4. Erosion/Sedimentation Control Plan: Grading plan with existing and finished contours extending 50' beyond the property line.
- F. Sanitary Sewer Construction Plans shall contain the following information:
1. Plan and profile of proposed sewer system, drawn at 1"=50' horizontal and 1"=10' vertical scales, with grades (%) indicated and invert elevations shown at every manhole.
 2. All pertinent planimetric features.
 3. Planimetric location of proposed sewers as related to existing or proposed: streets, alleys, highways, buildings, structures, other utilities, easements and right-of-ways.
 4. Location, size and material of all existing and proposed sewers, with locations of connections to other sewers and locations of service laterals.
 5. Direction of flow in each sewer line.
 6. Horizontal location of all manholes and other system features, and deflection angles at manholes.
 7. Construction details of typical manholes, connections, service laterals, pipe bedding, trenches, road crossings (including encasement if required), stream or ditch crossings, and slope protection.
 8. North arrow on each Plan sheet.
 9. Tennessee Professional Engineer's seal on each Plan sheet.
 10. Bench Mark elevation based on USGS datum.
 11. All topographic features, both existing and proposed.
 12. All property lines including subdivision block and lot numbers, right-of-way, and required or utilized easements.
 13. Off-site related right-of-way, as required
 14. Indications of any modifications or revisions from previous drawings.
 15. References to applicable Standard Construction Specifications of the Authority with respect to the required for the construction of utility improvements proposed.

- G. Water Distribution Construction Plans shall contain the following information:
1. Plan of proposed water system, drawn at 1"=50', with all critical elevations.
 2. Location, size, and material of all existing and proposed water mains in the subdivision, (or outside the subdivision if off-site connections are required), with locations of connections to other mains, service connections, valves, fire hydrants, and all other appurtenances indicated.
 3. Construction details of typical pipe bedding, trenches, road crossings (including encasement if required), stream or ditch crossings, slope protection, service connections, fire hydrants, and valves and other related appurtenances.
 4. North arrow on each Plan sheet.
 5. Tennessee Professional Engineer's seal on each Plan sheet.
 6. All topographic features, both existing and proposed.
 7. All Property lines including subdivision block and lot numbers, right-of-way, and required or utilized easements.
 8. Off-site related right-of-way, as required.
 9. Indications of any modifications or revisions from previous drawings.
 10. References to applicable Standard Construction Specifications of the Authority with respect to the required for the construction of utility improvements proposed.
- H. Gas
1. Plan of proposed gas system, drawn at 1"=50'.
 2. Location, size, and material of all existing and proposed gas lines in the subdivision, (or outside the subdivision if off-site connections are required), with locations of connections to other mains, service connections, valves, and all other appurtenances indicated.
 3. Construction details of typical pipe bedding, trenches, road crossings (including encasement if required), stream or ditch crossings, slope protection, service connections, valves and other related appurtenances.
 4. North arrow on each Plan sheet.
 5. Tennessee Professional Engineer's seal on each Plan sheet.
 6. All topographic features, both existing and proposed.
 7. All Property lines including subdivision block and lot numbers, right-of-way, and required or utilized easements.
 8. Off-site related right-of-way, as required.
 9. Indications of any modifications or revisions from previous drawings.
 10. References to applicable Standard Construction Specifications of the Authority with respect to the required for the construction of utility improvements proposed.
- I. For all subdivision subtending land which falls within 200 ft. of any gas transmission pipeline or fiberoptic trunk line, the developer shall send a certified letter to the appropriate utility owner (with a copy to the Authority) notifying them of the project. It shall be the responsibility of the applicant to provide the Authority with the letter of approval and with construction drawings (to accompany the preliminary plat),

accompanied by the appropriate endorsements of the referenced departments or agencies, prior to the Authority's approval of the preliminary plat.

- J. The City of Sparta requires independent resident project observation on an as needed basis up to and including full-time, on-site observation, for any infrastructure related construction. The costs associated with the resident project observation will be the responsibility of the developer and shall be paid in advance to the City of Sparta prior to the developer receiving Planning Commission or City Council approval of the submitted subdivision plans. A preliminary opinion of probable costs associated with resident project observation will be presented to the developer prior to final approval of the developer's subdivision plans. The funds will be escrowed in a non-interest-bearing account and neither the City nor the developer will be eligible to collect interest from the escrowed funds. Any costs in excess of the preliminary opinion of probable costs will be billed to the developer and must be paid prior to issuance of any building permits. Any amount unused for resident project observation will be returned to the developer following final acceptance by the City of Sparta of the infrastructure and receipt of a release of liens from the infrastructure contractor and/or developer.

1.05 DESIGN CRITERIA

A. Sanitary Sewers

1. All sanitary sewers shall be designed in accordance with these criteria, specification contained in other section, and the standards of the Tennessee Department of Environment and Conservation (TDEC).
2. Sanitary sewers to be dedicated to the Authority shall be constructed within dedicated rights-of-way or utility and drainage easements.
3. Sewers shall be designed for a minimum velocity of 2.0 ft./second at design flow, a maximum velocity of 5.0 ft./second, and shall accommodate design flow at one-half full. Sewer shall be a minimum 8-inch diameter and minimum slope for 8-inch sewers shall be 0.40% (0.40ft./100 ft.).
4. Design flow shall be based on a contribution of 100 gallon/capacity/day multiplied by a peak factor of 4.0. If the sewer serves other than residential developments, the design flow shall be calculated independently for each user based on their specific demand.
5. In general, sewers should be sufficiently deep to receive wastewater from basements and to prevent freezing. Insulation shall be provided for sewers that cannot be placed at a depth sufficient to prevent freezing.
6. Buoyancy of sewers shall be considered and flotation of the pipe shall be prevented with appropriate construction where high groundwater conditions are anticipated.
7. All sewers shall be designed and constructed to give mean velocities, when flowing full, of not less than 2.0 feet per second (0.6 m/s), based on Manning's formula using an "n" value of 0.013. The following are the recommended minimum slopes which should be provided; however, slopes greater than these are desirable.

<u>Nominal Sewer Size</u>	<u>Minimum Slope in Feet per 100 Feet (m/100m)</u>
8 inch (200 mm)	0.40
10 inch (250 mm)	0.28
12 inch (300 mm)	0.22
14 inch (350 mm)	0.17
15 inch (375 mm)	0.15
16 inch (400 mm)	0.14
18 inch (450 mm)	0.12
21 inch (525 mm)	0.10
24 inch (600 mm)	0.08

8. Sewers shall be laid with uniform slope between manholes.
9. All manholes shall be designed in accordance with the following guidelines:
 - a) Maximum distance between manholes shall be 400 ft.
 - b) Maximum deflection angle at manholes shall be 90 degrees.
 - c) For in/out invert elevations greater than 2.0 ft., a drop manhole shall be used. Drop manholes shall be avoided where practical.
 - d) Watertight frames and covers shall be required where the proposed manholes are subject to inundation.
 - e) A vent assembly shall be required on trunk sewers at approximately 1500 ft. intervals, and at the end manhole where practical.
10. All sanitary sewers shall be constructed of the following types of pipes:
 - a) Sanitary sewers 21 inches in diameter and smaller shall be constructed of ductile iron sewer pipe or PVC sewer pipe unless specific needs demand otherwise, and only then pending the review and approval of the Engineer. PVC sewer pipe shall be allowed where the pipe slope is less than or equal to 12.00% and the cut is less than or equal to 14 ft. If the slope is greater than 12.00% or the cut is greater than 14 ft., ductile iron sewer pipe shall be used. "Cut" is defined as the vertical distance from the finished ground, or surface, to the invert of the pipe.
 - b) Sanitary sewers with slopes in excess of 18% shall be constructed with concrete restraining collars designed at intervals to insure pipe stabilization.
 - c) Sanitary sewers 21 inches in diameter and larger shall be constructed of epoxy lined ductile iron sewer pipe or reinforced concrete sewer pipe with steel end ring joints, unless specific needs demand otherwise, and only then pending the review and approval of the Engineer.
 - d) Sanitary sewers crossing storm drains, creeks, or ditches shall be ductile iron pipe and will be provided with concrete encasement.
 - e) Sanitary sewers with less than 4ft. of cover shall be ductile iron pipe.
 - f) If areas which have been filled and the proposed sewer will be within the fill, ductile iron pipe must be specified. If the pipe trench through the filled area is to be undercut to natural ground and refilled to pipe

grade with properly compacted crushed stone, PVC or concrete pipe may be approved by the Authority.

11. All sanitary sewers shall have a minimum of 30 inches of cover in non-traffic areas and 48 inches in paved areas subject to vehicular traffic.
12. Separation between sanitary sewers and water mains shall be 10 ft. horizontal, and 18 inches vertical between the bottom of the water main and the top of the sanitary sewer.
13. Permanent easements for sanitary sewers shall be a minimum width of 20 feet. Permanent easements for sanitary sewers in excess of 14 ft. in depth shall be a minimum width of 30 feet.
14. Sewers shall be designed to serve every lot or parcel adjacent to the sewer, and manufactured, 90-degree "tees" shall be used for connection service lines to the collector sewer.
15. In general, sewers 24 inches (600 mm) or less shall be laid with straight alignment between manholes. Straight alignment shall be checked by either using a laser beam or lamping.
16. When a smaller sewer joins a large one, the invert of the larger sewer should be lowered sufficiently to maintain the same energy gradient. An approximate method for securing these results is to place the 0.8 depth point of both sewers at the same elevation. Sewer extensions should be designed for projected flows even when the diameter of the receiving sewer is less than the diameter of the proposed extension at a manhole constructed with special consideration of an appropriate flow channel to minimize turbulence when there is a change in sewer size. The authority may require a schedule for construction of future downstream sewer relief.
17. All sanitary sewers or force main systems which discharge into the Authority's system shall be designed according to these criteria.

B. Water Mains

1. All water mains shall be designed in accordance with these criteria, Specifications contained in other Sections, and the standards of the Tennessee Department of Environment and Conservation (TDEC).
2. Water mains to be dedicated to the Authority shall be constructed within dedicated rights-of-way, or utility and drainage easements, at least 20 ft. in width.
3. All potential customers shall be provided a minimum of 20 psi residual pressure, at the design domestic flow:
$$Q = 20 (c)^{1/2}$$

Q = flow in gpm
C = total customers served, based on 2.5 persons/customer.
4. All development shall be provided a minimum of 500 gpm fire flow unless the development requires a higher fire flow rate.
5. Maximum designed velocity shall be 5.0 ft./sec.
6. All water mains less than 12" in diameter shall be PVC Class 200, unless otherwise necessary for compliance with guidelines for pressure ratings. All

- water mains 12" and greater in diameter shall be ductile iron pipe, Pressure Class 350, unless otherwise necessary for compliance with guidelines for pressure ratings. All water mains shall be a minimum of 6" diameter.
7. Water mains shall be designed for installation behind curbs where practical. Dead-end mains shall extend to the last lot or parcel being served so that no service lines are installed in front of adjacent lots or parcels. Service meters shall be located adjacent to property lines, and grouped in pairs where practical.
 8. All mains shall have a minimum of 30 inches of cover in non-traffic area, and a minimum of 36 inches of cover in paved areas subject to vehicular traffic.
 9. Water mains shall have 10 ft. horizontal and 18" vertical clearance from sanitary sewers, and shall have 3 ft. horizontal and 12" vertical clearance from other underground structures.
 10. All service lines which cross under streets, highways, or any other paved roads must be placed inside Schedule 40 PVC casing pipe, 2" minimum size, to 2 ft. behind the curb. Size of casing will vary, depending on size of the service line. All service lines greater than 50' in length shall be 1" diameter, minimum.
 11. A 3-way valve arrangement shall be required at every water main intersection, where feasible. For connection to live mains, check with the Authority for details on allowable connection features.
 12. Adequate thrust blocking shall be designed for the expected pressures, including the required test pressure, 200 psi minimum.
 13. Fire hydrants shall be required at a maximum spacing of 500 ft., and at no more than 300 feet from any structure. Fire hydrants shall not be permitted on lines smaller than 6" diameter.
 14. A fire hydrant, or flushing hydrant or blow-off assembly, shall be required at the dead end of any water main to allow for flushing the main at 2.5 ft./sec., minimum.
 15. Pressure regulators for individual services are not required by the Authority except in areas of pressure exceeding 75 psi.; however, they are recommended. They are not part of the Authority's system for operation and maintenance.
 16. All water mains and appurtenances which connect to the Authority's system shall be designed according to these criteria.

1.06 REVIEW AND APPROVAL

A. Preliminary Plat

1. STEP 1: The developer will consult early with Planning Staff, review the Major Road Plan, Subdivision Regulations, and Zoning Ordinance.
2. STEP 2: Fourteen days prior to the Planning Commission meeting at which the plat will be reviewed:
 - a) The developer will submit four (4) copies of a preliminary plat to the City Administrator's Office, along with applications for any requested variances from subdivision regulations.

- b) The developer will attend the Planning Commission workshop (2nd Tuesday, 5:30 PM, Sparta City Hall) to discuss the proposal.
- 3. STEP 3: City Staff will review the preliminary plat for compliance with the Sparta Municipal Subdivision Regulations. A copy of these recommendations will be available at City Hall seven days prior to the Planning Commission meeting.
- 4. STEP 4: The developer will attend the Planning Commission Meeting (4th Tuesday, 5:30 PM, Sparta City Hall).
 - a) The Planning Commission will approve the plat,
 - b) Approve the plat contingent upon correction; or
 - c) Deny the plat. If denied, the reasons for disapproval will be stated in writing.
- 5. STEP 5: The developer will make necessary corrections or repeat Step 1) through Step 4) as necessary until approved or approved with contingencies. Submit approved (or corrected) plat to the City Administrator's Office. The City Administrator will obtain the necessary signatures.

B. Construction Plans

- 1. STEP 1: Twenty-one days prior to the Planning Commission meeting at which the development will be discussed, the developer will submit two (2) copies of signed and stamped Construction Plans to City Hall. Construction plans will not be accepted prior to preliminary plat approval.
- 2. STEP 2: City Engineer will review the construction plans for compliance with the standards set forth in the City of Sparta Standard Utility Specifications.
- 3. STEP 3: The City Engineer will return one (1) set of "mark-up" drawings and required corrections/revisions to the Design Engineer within fourteen (14) days.
- 4. STEP 4: The Design Engineer will make necessary corrections.
 - a) As needed, the Design Engineer will contact the City Engineer regarding corrections/revisions, data and measurements, etc.
 - b) The Design Engineer will return "mark-up" drawings and two (2) corrected sets of plans to the City Administrator's Office.
- 5. STEP 5: The City Engineer will review the Construction Plans a second time. Step 7 through Step 9 will be repeated as necessary until all corrections/revisions necessary for compliance have been made.
- 6. STEP 6: The City Engineer will submit final proposed Construction Plans along with a memorandum certifying hydraulic analysis results, recommended fees or charges, and recommendation for acceptance of Construction Plans.
- 7. STEP 7: The City Administrator's Office will notify the Design Engineer of the following by memorandum:
 - a) Acceptance of Construction Plans
 - b) Amount of fees
- 8. STEP 8: The Design Engineer will provide the following to the City Administrator:

- a) Original Title Sheet for Construction Plans, with necessary signature blocks
- b) Payment, by check or letter of credit, for any fees or charges or a Letter of Request that submission of payment be delayed until or after other approvals, not to exceed 60 days.
- 9. STEP 9: The City Administrator will obtain the necessary signatures on the Construction Plans.
- 10. STEP 10: The Developer (or Design Engineer) will submit final Construction Plans to the Planning Commission for approval.
- 11. STEP 11: If approved, the Design Engineer will submit two (2) copies of the final Construction Plans to the City Administrator, who will keep one approved set and forward another to the City Engineer.
- 12. STEP 12: The City Administrator will obtain the necessary signatures.

C. Final Plat

- 1. STEP 1: The developer will complete required improvements or provide an adequate surety instrument as detailed in the Sparta Municipal Subdivision Regulations.
- 2. STEP 2: Fourteen days prior to the Planning Commission meeting at which the final plat will be reviewed:
 - a) The developer will submit ten (10) copies of the plat to the City Administrator's Office, along with applications for any requested variances from subdivision regulations.
 - b) The developer will attend the Planning Commission workshop (2nd Tuesday, 5:30 PM, Sparta City Hall) to discuss the proposal.
- 3. STEP 3: City Staff will review the final plat for compliance with the Sparta Municipal Subdivision Regulations. A copy of these recommendations will be available at City Hall seven days prior to the Planning Commission meeting.
- 4. STEP 4: The developer will attend the Planning Commission Meeting (4th Tuesday, 5:30 PM, Sparta City Hall).
 - a) The Planning Commission will approve or disapprove the final plat.
 - b) If disapproved, the reasons for disapproval will be stated in writing along with necessary steps for approval.

1.07 SCHEDULE

- A. After construction plan approval has been granted by the Authority and before any construction activity commences, a pre-construction meeting will be held at the City of Sparta City Hall. The participants of the meeting shall include the resident inspector, the Public Works director, the Light, Gas and Water Superintendent, the property developer, and the construction foreman.
- B. The developer will be required to submit a proposed construction schedule to the Authority at the pre-construction meeting.

- C. The developer will be required to notify the Authority and the resident inspector a minimum of 48 hours before beginning any construction activities.

1.08 BONDS FOR IMPROVEMENTS

- A. Performance Bond for Water and/or Sewer: In lieu of completing all of the improvements in a subdivision prior to final plat approval, a developer may provide the Authority with a bond whereby the developer agrees to complete the improvements pursuant to a Performance Bond for Water, Sewer, Gas, Drainage, Electric and Roadway Improvements. The Authority may accept cash, a letter of credit (good for not less than thirteen (13) months), or surety from a corporate surety licensed in the State of Tennessee, provided the security offered is deemed acceptable by the Authority's attorney. The amount of the bond shall be estimated by the developer and then fixed by the Authority's consulting engineer in an amount equal to at least 100% of the cost of the uncompleted improvements provided; however, when improvements have been "substantially completed" but remaining subdivision improvements are incomplete, a performance bond in an amount of not less than 15% of the total cost of the improvements must be posted. All costs to the Authority incurred in connection with review associated with fixing the amount of and approving the performance bond must be reimbursed by the developer as a condition precedent to approval and acceptance of the bond. The performance bond must be posted with the submittal of the final plat.

Improvements must be completed within one (1) year of final plat approval unless this time is extended by agreement of the Authority.

The responsibility for timely seeking an extension of time to complete improvements rests entirely with the developer. Failure to seek and obtain an extension (for a period not to exceed one (1) year) shall void the Authority's approval. Any extension granted by the Authority will be granted only upon receipt of a new bond with sufficient security.

In the event of failure by the developer to comply with conditions of the bond, the Authority may declare the security for the bond forfeited and use the receipts of such security to complete the improvements. Unused portions of the security, if any, will be returned as appropriate. The Authority shall not be limited to the amount of the bond if the costs of completing the developer's agreement exceeds said amount.

- B. Maintenance Bond for Improvements. At the time of dedication and completion of subdivision improvements, the developer shall apply in writing (by letter) for acceptance of the improvements into the water distribution, sanitary sewer, roadway, drainage, electric and gas systems of the Authority. The letter must be accompanied by the following:
 - 1. A statement signed by the developer and its consulting engineer, including a certification that the required improvements are complete, the total construction costs of said improvements, a certification that the

improvements were constructed in accordance with standard specifications of the Authority and that they have successfully passed all testing required by the Authority and TDEC. The statement shall also include a certification that the developer and his engineer know of no defects from any cause in the improvements, and that the improvements are free and clear from any encumbrance or lien;

2. An agreement properly dedicating said improvements to the Authority;
3. Two (2) copies of as-built drawings of the improvement,
4. A Water and/or Sewer Improvements Maintenance Bond together with sufficient security deemed acceptable by the Authority's attorney.

The amount of this bond shall be fixed by the Authority's consulting engineer in an amount not less than 15% of the cost of the improvements. All costs to the Authority incurred in connection with review associated with fixing the amount of and approving maintenance bonds must be reimbursed to the Authority as a condition precedent to acceptance of the bond and the improvements.

The Maintenance Bond shall secure the Authority against defects or damage to the improvements arising out of defective or inferior materials or defective or negligent workmanship arising, occurring, or becoming apparent within one (1) year from the date of acceptance of the improvements. Inspection or acceptance of the water and sewer improvements by the Authority shall in no way affect the developer's obligation under the bond.

The Authority has the option of requiring that the Maintenance Bond be extended, in 1-year increments, if there is reason to believe that the infrastructure may not meet acceptable standards for operation or require unusual maintenance, as adjudged by Authority's staff and Authority's Consulting Engineer. However, release of bond requirements shall not be unreasonably withheld.

The application of acceptance should be filed with the City Administrator at least seven (7) days prior to the meeting of the Authority at which acceptance will be requested.

END OF SECTION

SECTION 2.01

CONSTRUCTION REFERENCE STANDARDS

PART 1 – GENERAL

1.01 REQUIREMENTS INCLUDED

- A. Applicability of Reference Standards.
- B. Provision of Reference Standards at site.
- C. Acronyms used in Policy Documents for Reference Standards. Source of Reference Standards.

1.02 QUALITY ASSURANCE

- A. For products or workmanship specified by association, trades, or Federal Standards, comply with requirements of the standard, except when more rigid requirements are specified or are required by applicable codes.
- B. The date of the standard is in effect as of the date of the approved construction plans

1.03 SCHEDULE OF REFERENCES

AASHTO	American Association of State Highway and Transportation Officials 444 North Capitol Street, N.W. Washington, DC 20001
ACI	American Concrete Institute P. O. Box 19150 Reford Station Detroit, MI 48219
AGC	Associated General Contractors of America 1957 E. Street, N.W. Washington, DC 20006
AI	Asphalt Institute Asphalt Institute Building College Park, MD 20740
AITC	American Institute of Steel Construction 333 W. Hampden Avenue Englewood, CO 80110

AISC	American Institute of Timber Construction 400 North Michigan Avenue Eighth Floor Chicago, IL 60611
AISI	American Iron and Steel Institute 1000 16th Street, N.W. Washington, DC 20036
ANSI	American National Standards Institute 1430 Broadway New York, NY 10018
ASME	American Society of Mechanical Engineers 345 East 47th Street New York, NY 10017
ASPA	American Sod Producers Association Association Building Ninth and Minnesota Hastings, NE 68901
ASTM	American Society of Testing and Materials 1916 Race Street Philadelphia, PA 19103
AWWA	American Water Works Association 6666 West Quincy Avenue Denver, CO 80235
CLFMI	Chain Link Fence Manufacturers Institute 1101 Connecticut Avenue, N.W. Washington, DC 20036
CRSI	Concrete Reinforcing Steel Institute 933 Plum Grove Road Schaumburg, IL 60195
EJCDC	Engineers' Joint Contract Documents Committee American Consulting Engineers Council 1050 15th Street, N.W. Washington, DC 20005
FM	Factory Mutual System 1151 Boston-Providence Turnpike

FS	Norwood, MA 02062 Federal Specification General Services Administration Specifications and Consumer Information Distribution Section (WFSIS) Washington Navy Yard, Bldg. 197 Washington, DC 20407
MIL	Military Specification Naval Publications and Forms Center 5801 Tabor Avenue Philadelphia, PA 19120
PCA	Portland Cement Association 5420 Old Orchard Road Skokie, IL 60077
PCI	Prestressed Concrete Institute 201 North Wacker Drive Chicago, IL 60606
PS	Product Standard U. S. Department of Commerce Washington, DC 20203
SDI	Steel Deck Institute P. O. Box 3812 St. Louis, MO 63122
SJI	Steel Joist Institute 1703 Parham Road Suite 204Richmond, VA 23229
SSPC	Steel Structures Painting Council 4400 Fifth Avenue Pittsburgh, PA 15213
TAS	Technical Aid Series Construction Specifications Institute 601 North Madison Street Alexandria, VA 22314
UL	Underwriters' Laboratories, Inc. 333 Pfingsten Road Northbrook, IL 60062

PART 2 – PRODUCTS

N/A

PART 3 – EXECUTION

N/A

END OF SECTION

SECTION 2.02

GENERAL PROJECT REQUIREMENTS

PART 1 – GENERAL

1.01 SECTION INCLUDES

- A. General Requirements

1.02 GENERAL REQUIREMENTS

- A. **Smoking and Fire Precautions:** No smoking, fire, or use of any fire or explosion producing tools or equipment shall be permitted on the premises or at any locations where such may endanger said premises or the current operations thereon.
- B. **Manufacturers Qualifications:** The manufacturers of all materials and equipment used must be reputable and regularly engaged in the manufacture of the particular material or equipment for the use and service to which it will be subjected.
- C. **Contractor Shall Pay for All Laboratory Inspection Service:** All materials and equipment used in the construction of the project shall be subject to adequate inspection and testing in accordance with accepted standards. The laboratory or inspection agency shall be selected by the Contractor and approved by the City. Contractor to pay for all laboratory inspection services as a part of the Contract. Submit all material test reports to the City in triplicate.
- D. **Compliance With State and Local Laws:** Comply with all applicable requirements of state and local laws and ordinances to the extent that such requirements do not conflict with federal laws or regulations.
- E. **Protection of Public and Private Property:** Take special care in working areas to protect public and private property. The contractor shall replace or repair at his own expense any damaged water pipes, power and communication lines, or other public utilities, roads, curbs, gutters, sidewalks, drain pipes, ponds or pond structures, sewer drainage ditches, all properties and fixtures (both permanent and temporary) fences, and all plantings, including grass or sod on the site of the work. Leave the site in original or better condition after all cleanup work has been done.
- F. **Markers:** Preserve all USGS, TVA, and State of Tennessee property markers and private markers. Do not remove or disturb any such markers without prior approval from the Owner. Any removal and replacement of such markers shall be at the expense of the Contractor.

- G. Non-discrimination: The Contractor agrees to hire qualified persons without regard to race, creed, color, sex, or national origin for the performance of the work specified in this contract.
- H. Pavement Repair and/or Replacement: Whenever pipe trenches are cut across or along existing pavement or shoulders, backfill same and restore traffic over the cuts as quickly as possible by constructing a temporary surface with twelve (12) inches of Class A, grade D crushed stone. Add material and otherwise maintain such surface until the permanent pavement is restored by the Contractor or until the entire project is accepted.
- I. Department of Transportation Permits: The Owner shall secure any permits and provide bond as required by the Tennessee Department of Transportation or Fayette County, Tennessee for the installation of permanent facilities on highway rights-of-way. All such work shall be coordinated with and be subject to the approval of the Department of Transportation.
- J. Approved Chemicals: All chemicals used during project construction or furnished for project operation, whether herbicide, pesticide, disinfectant, polymer, reactant, or of other classification, must show approval of either EPA or USDA. The use of all such chemicals and the disposal of residues shall be in strict conformance with instructions.
- K. Catalogue Data for City: Provide duplicate complete, bound sets of a compilation of catalog data of each manufactured item of mechanical and electrical equipment used in the work, and present this compilation to the City before final project close-out. Include descriptive data and printed installation, operating, and maintenance instruction (including a parts list for each item of equipment). Provide a complete double index as follows:
 - 1. Listing the products alphabetically by name.
 - 2. Listing alphabetically the names of manufacturers whose products have been incorporated in the work, together with their addresses and the names and addresses of the local sales representative.
- L. Operation and Maintenance Instruction to City: Where the specifications for specific equipment require that a factory service representative provide operation and maintenance instruction to the City for that equipment, this service is to be performed by prior arrangement with the City after and in addition to the manufacturer's instructions to the Contractor for installation and start-up. The individual performing the instruction to the City shall be trained and/or certified by the manufacturer as its authorized operation, maintenance, and service specialist. If the said specialist is not a regular full-time employee of the manufacturer, the specialist's qualifications shall be submitted to the City for review and approval prior to scheduling the site visit for instructions to the City.

PART 2 – PRODUCTS

N/A

PART 3 – EXECUTION

N/A

END OF SECTION

SECTION 2.03

FIELD ENGINEERING

PART 1 – GENERAL

1.01 RESPONSIBILITIES

- A. The Contractor shall be responsible for providing and paying for any surveying or engineering services required during the construction. The Contractor must retain qualified personnel as work may require.
- B. The City shall be responsible only for inspections of all water and sanitary sewer facilities.
- C. The City will not supply Contractor with any survey control points.

1.02 FIELD ENGINEERING

- A. Contractor is responsible for providing and paying for engineering and surveying services required during construction.
- B. Field engineering by the Contractor, such as structural design of form work, scaffolding, special earthwork, hydraulic groundwater control design, or other engineering work will be analyzed on a case-by-case basis, due to the specialized requirements of portions of the work.
- C. Construction staking and cut sheets shall be performed and prepared by a registered land surveyor. Cut sheets for sanitary sewers shall include:
 - 1. Beginning and ending manholes
 - 2. Distance between manholes
 - 3. Pipe materials, size and slope of line
 - 4. Centerline ground elevations and invert elevations
 - 5. Depth of cut at minimum 50' intervals

PART 2 – PRODUCTS

N/A

PART 3 – EXECUTION

N/A

END OF SECTION

Read and approved this _____ day of _____, 20____.

CITY OF SPARTA

Jerry Lowery, Mayor

ATTEST:

Tonya R. Tindle, City Recorder

AGENDA ITEM #5

We have taken sealed bids for Seal Coating and Striping for various parking lots and they will be opened September 5, 2023. The information will be made available at the board meeting.

AGENDA ITEM #6

We have taken sealed bids for Street Striping for various streets and they will be opened September 5, 2023. The information will be made available at the board meeting.

AGENDA ITEM #7

We have taken sealed bids for a 300hp motor and a vertical pump for the water plant and they will be opened September 5, 2023. The information will be made available at the board meeting.

AGENDA ITEM #8

We need to take sealed bids for tree trimming for the Electric Department. The current contract has expired.

Miscellaneous Information

Tonya Tindle

From: Mike O'Neal
Sent: Friday, September 1, 2023 11:33 AM
To: Tonya Tindle
Subject: Board Meeting 9/7/23

Commercial all projects moving along well

Residential holding steady

Municipal Code having good results with most all issues at this time

Mike O'Neal
Codes Enforcement Officer
City of Sparta
Phone: 931-836-3248
6 Liberty Square Sparta TN 38583
Email: m.oneal@spartatn.gov



THIS MESSAGE CONTAINS CONFIDENTIAL INFORMATION OF THE CITY OF SPARTA. UNAUTHORIZED USE OR DISCLOSURE IS PROHIBITED.

Public Works

September 7, 2023

WATER

Repaired 9 water main leaks.

Mowed, trimmed and sprayed water tank sites.

Painting fire hydrants and flushing hydrants per TDEC.

On going cross connection inspections and backflow devices.

Serviced equipment.

Meter change out program on going.

The water dept. will be contacting several customers to pull lead and copper samples required by TDEC.

WATER PLANT

Working 12 hour shifts due to High Service 3 to meet water demands.

SEWER OPERATING

Located for contractors and utilities.

Checked pump stations daily.

Sprayed and mowed right of ways, manholes and pump stations.

Installed new sump pump at Craigrock pump station. Full of wipes. Station needs replacing.

Set new pole and service entrance at S & S screw due to storm knocking out electric service.

Serviced above ground pump stations.

6 work orders and line cleaning.

SEWER PLANT

Plant is operating at normal capacities.

Still looking for another contractor to supplement the sludge hauling. Hauler is having a hard time keeping up with the amount of sludge the plant is producing. Not having any luck finding a contractor to haul sludge.

STREET DEPARTMENT

Normal mowing of parks and square.

Bush hogging properties and roadways.

Sparta Electric System

8/14/2023 TO 9/1/2023

- **Outages: Moore St- Bad Connection, Kent St- fuse, 39 Mayberry St- customer breaker, Fairgrounds- bad connection**
- **Completed 2 day annual Torco Testing- Test all Line & Bucket Trucks, X-Rayed Boom for cracks and checked Dielectric. Test all cover-ups, hot sticks, shotguns, blankets, rubber hoses, grounds and jumpers.**
- **Set Primary Pole and Transformer- 309 Mt View Dr.**
- **Hooked up Service Line - 116 Anderson**
- **Replace Transformer - 538 S Young St**
- **Hooked up Underground Service- 346 Burley St. & 225 S. Camp Heights Dr.**
- **Replaced Street Light Pole- Allen Dr.**
- **Unhooked & Re-Connected Services - 42 Harris St & 127 Pearson St.**
- **Completed Pole - 188 Churchill Dr.**
- **Replaced Primary Pole - 147 S Camp Heights**
- **Drop Service Line - 31, 33, & 35 S Harris St.**
- **Set Underground Pole & ran Underground Service - Pavilion N Carter St.**
- **Replaced Service Pole - 323 Clark St.**
- **Set a Primary Pole for Circle K to get lines out of Parking Lot for demolition- scheduled to start Monday**
- **Run Underground & Hooked up service - 310 Clark St.**
- **Hooked up new service- 526 S Young St.**
- **Joey Rasori completed week training at Apprenticeship Lab**
- **Spraying Right of Way and Bush hogging**
- **Street & Security Light Maintenance**

Kirk's Notes Aug 17th thru Sept 7th

Calls:

Aug 17th	Fire Alarm	589 Franklin Ave
Aug 17th	LZ Setup	401 Sewell Dr
Aug 18th	Medical	157 Mayberry St
Aug 18th	Fire Alarm	4200 Walnut Grove Rd
Aug 19th	Medical	215 S Spring St
Aug 21st	Fire Alarm	130 Sam Walton Dr
Aug 21st	Fire Alarm	202 Sam Walton Dr
Aug 21st	LZ Setup	401 Sewell Dr
Aug 21st	LZ Setup	401 Sewell Dr
Aug 23rd	Fire Alarm	202 Sam Walton Dr
Aug 23rd	Vehicle Fire	Hwy 111 @ Burgess Falls Rd
Aug 23rd	Fire Drill	267 Allen Dr
Aug 23rd	Fire Alarm	202 Sam Walton Dr
Aug 23rd	Traffic Hazard	440 W Bockman Way
Aug 23rd	Structure Fire	1012 Disneyland Rd
Aug 23rd	Structure Fire	2150 Pettit Cove Rd
Aug 23rd	LZ Setup	401 Sewell Dr
Aug 23rd	Medical	111 Depot St
Aug 24th	LZ Setup	401 Sewell Dr
Aug 24th	Medical	228 Kings St

Aug 24th	Fire Alarm	202 Sam Walton Dr
Aug 25th	Medical	7 Marshall St
Aug 26th	Medical	300 Wagoner St
Aug 27th	Grass Fire	430 Taft Church Rd
Aug 29th	Fire Alarm	202 Sam Walton Dr
Aug 30th	LZ Setup	401 Sewell Dr
Aug 31st	Medical	304 S Young St
Sept 2nd	Fire Investigation	511 Indian Cir

Totals:

Fire Alarm - 8
 LZ Setup - 6
 Medical - 7
 Vehicle Fire - 1
 Fire Drill - 1
 Traffic Hazard - 1
 Structure Fire - 2
 Grass Fire - 1
 Fire Investigation - 1

Other:

Capt. Jessie Buttrum and Lt Stephen Goodwin attended TN Chapter of IAAI for a week and got updates on investigations.

Capt. Jessie Buttrum went to TFACA and seen the newest classes for Fire Depts. We will be getting all 4 of them brought to Sparta for the 2024 training program.

**Sparta Police Department
Board and Aldermen Meeting
September 7th, 2023**

Total calls in August for the police dept. was 665 + 1. (Not gonna to put that number)

Total calls year to date 5565.

We received the Violent Crime Intervention Grant on September 1st.

Asst. Chief Brent Copeland completed the ALICE active shooter training for the White County schools. This training took 10 days to train all

of the teachers and staff in our school system.

August 21st – 25th, Sgt. Jeff Hutson attended his yearly fire investigation training in Pigeon Forge where he received 34 hours of class credit.

Working on Handle with Care program being implemented in schools.

TDOT GRANTS

TDOT Multimodal Access Grant- Along the West side of North Spring Street from Bockman Way to Turntable Road

*** Status change on this project since the August 17, 2023 meeting.

- Contract has been approved and signed by the City and TDOT.
- Working on NEPA and Section 106 Assessment
- Project Description – The proposed SR289/North Spring Street Sidewalk Enhancement Project will improve a 4,130-foot section of road between the intersection of SR289 and the intersection of SR1 and Turntable Road. This is Phase 1 of providing safe pedestrian travel from residential areas and businesses to medical facilities including dental offices, medical doctor's offices, and St. Thomas Highlands Hospital as well as White County High School, White County Middle School, Sparta YMCA/Recreational Complex, restaurants, convenient stores, and churches. Most of the proposed project section has no existing sidewalk. In the small portions of the sections that do, the sidewalks are deteriorating and are not ADA compliant. The proposal is to add curb, buffer, and sidewalk to this route, as well as ADA compliant ramps, crosswalks, and signalization to enhance pedestrian safety. Future Phase 2 of this project would extend the work of this phase north to St. Thomas Highlands hospital and doctor's offices at the intersection of SR 289 and Sewell Drive.
- Anticipated costs at this time ((TDOT - \$950,000.00 (95%)) ((City – at least \$50,000.00 (5%))
- **\$1,000,000.00 is maximum amount of grant, meaning that if costs increase above \$1,000,000.00, the city will have to pay the initial \$50,000.00 plus any amount over \$1,000,000.00.
- Request for Qualifications approved by TDOT and was sent out on January 27, 2023.
- Gresham Smith & Partners Engineering firm has been selected per the procurement process and contracts were signed at the August 17, 2023 meeting.
- Wisner Consultants have been conducting the survey for the last two weeks.
- Anticipated completion date is Fall 2025.

Tennessee Housing Development Agency Grant

H.O.M.E. (Home Investment Partnerships Program) (HUD)

***No Status change on this project since the August 17, 2023 meeting.

- Project Description – To provide rehabilitation of existing single-family housing units within the boundaries of Sparta, TN. Each project selected will be rehabilitated to the international building code and laws and ordinances of Sparta, TN. If the project cannot be rehabilitated to code standards within the allowed funds per project, the home will be demolished and reconstructed. All projects will be for existing family homes which are the principal residences of low-income households. All homeowners will sign a forgivable loan (deed of trust).
- Grant Award Amount - \$375,000.00 (no city match)

- This project is to accomplish two demolitions: 346 Burley Street & 225 S. Camp Heights.
- Environmental Reviews for first two home grant applicants approved and scheduled the bid openings for 346 Burley Street and 225 S. Camp Heights Drive on April 18, 2023.
- Bids came in over budget and White County shared their THDA funds with City to complete the demo and rebuild of both houses.
- House at 346 Burley Street has been demolished.
- Houses at both addresses have been started and are 50% complete.
- Anticipated Completion Date – June 30, 2024

United States Department of Agriculture (USDA) Grant

Communities Facilities Grant

*** Status change since the August 17, 2023 meeting.

- Project Description – Purchase of a 60kw Generator with Automatic Transfer Switch to be installed at the Senior Center.
- All site prep work to be done by the Sparta Public Works Department.
- Professional electrical installation will have to be used.
- Cost for generator (Total - \$31,079.00) (USDA portion - \$15,300.00) (City portion - \$15,779.00)
- Generator delivered December 2022
- Installation waiting on electrician, had a meeting August 2, 2023, awaiting quote.
- Generator pad poured and ready to be set in place.

2022 Community Development Block Grant (CDBG) Grant

Communities Development Grant – Administered by UCDD

*** Status change since the August 17, 2023 meeting.

- Project Description – Perform smoke testing and closed-circuit television (CCTV) inspection of sewer lines and manholes, followed by rehab of identified sewer lines and manholes in three target areas, S. Carter Street, Highway 111 and Vista/ Drive Turntable Road.
- Budget (Total - \$884,000.00) (CDBG portion - \$600,000.00) (City portion - \$284,000.00)
- Smoke testing completed April 2023.
- CCTV camera bids opened August 10, 2023, to be approved at August 17 meeting.
- CCTV camera bid awarded to Pipeworks, LLC.

In-house Construction Projects

Lights for Carter Street Walking Trail

*** No status change since the August 17, 2023 meeting.

- Project Description – Purchase of twenty-nine (29) Decorative Lights and electrical supplies for Walking Trail improvements beginning at the Pedestrian Walking Bridge at South Carter Park and extending all along North Carter Street. The Public Works Department will extend the sidewalk Street from its termination point up to meet the end of North Carter Street. The Public Works Department and Electric Department will work together to install the lights.
- Project Cost – ((\$106,640.00 – lights (already purchased and delivered)) (est. \$5,000 – concrete)
- Tentative Completion Schedule – Fall 2023

Sidewalk Handrails for Bockman Way

*** Status change since the August 17, 2023 meeting.

- All the handrails on Bockman Way and N. Main Street have been removed due to much needed repairs. We have contracted with "The Angry Ironsmith" to design and fabricate all new handrails. The city will install the handrails. The scheduled delivery date is within the first two weeks of June 2023.
- Partial delivery of handrails on June 9th and scheduled installation ASAP.
- Handrails need some modifications and are being evaluated.
- Handrails installed and completed.

Railroad Walking Bridge Rehab

*** No Status change since the August 17, 2023 meeting.

- The railroad timbers on the Railroad Walking Bridge need to be replaced due to much needed repairs. The city will install them. Sealed bids were approved and sent out with no replies.
- Redesigning of timber system to a concrete walkway undergoing evaluation.
- Tentative Completion Schedule – Winter 23/24

Caboose

*** Status change since the August 17, 2023 meeting.

- Mid-TN Media Sandblasting was approved August 17, 2023 meeting.
- Tentative Completion Schedule –
- Caboose will be ready to paint after sandblasting and priming.
- Working on finding doors.
- Doors being fabricated.
- Painting will begin after doors completed and installed.

Water System Hydraulic Study

*** No Status change since the August 17, 2023 meeting.

- The current water study we have was completed by Hethcoat and Davis Engineers in approximately 2008. TDEC is now requiring more information to install and upgrade our water lines. This study is necessary to keep our water lines up to date.
- Contract with Hethcoat & Davis Engineers to conduct study was approved at the August 17, 2023 board meeting.
- Gis and Electric gathering information needed for the study.

Water Plant Flocculators Upgrade

*** No Status change since the August 17, 2023 meeting.

- Contract with Hethcoat & Davis Engineers to design and bid the project was approved at the August 17, 2023 board meeting.

Water Plant Sludge Belt Press

*** No Status change since the August 17, 2023 meeting.

- Contract with Hethcoat & Davis Engineers to design and bid the project was approved at the August 17, 2023 board meeting.

Street Paving

*** Status change since the August 17, 2023 meeting.

- Additional roads are to be paved during Fall Break and then striped.

Remaining roads will be evaluated for the next years paving schedule and an updated list will be made available as soon as it is completed.

Sewer

Consent Order

- September 17, 2022 - \$4,514.50 (25% of Up-front penalty) paid
- **3 Manhole Rehab project on S.R. 111 (\$60,000 to Norris Brothers) should count as Supplemental Environmental Project (SEP) and if counted, the city will not have to pay any additional Up-front penalty. The city is to notify TDEC when (SEP) is complete.
- September 19 and September 21, 2022 – Hethcoat-Davis submitted Overflow Reports to TDEC outlining extenuating and mitigating circumstances for review to possibly gain minimization or outright relief from the sewer availability moratorium.
- October 14, 2022 – Sewer Overflow Response Plan (SORP) was submitted to TDEC by Hethcoat-Davis. If initially approved, must be implemented by December 12, 2022. If modified, then must be implemented within 60 days of state approval.
- eMor- electronic Monthly Operating Report starts this month. Per Dillard, Fred Currier (Sewer Plant Manager) is working on this.
- November 10, 2022 meeting with TDEC with Hethcoat & Davis to go over Overflow Reports and possibly gain minimization or relief from the moratorium. Waiting response from TDEC.
- Mid-December, 2022 - Sewer Overflow Response Plan to be implemented if initially approved.
- December 14, 2022 – Collection System Corrective Action Plan/Engineering Report completed. It is a description of completed projects and future plans to correct problems and establishes timelines for both interim and permanent plans. (Must implement within 120 days of approval, expect mid-late 2023). City to notify TDEC of implementation date in writing. The city has 5 years to complete the corrective action plan (mid-late 2028).
- Annual Report due March 31, 2023 and March 31 each year thereafter.
- Mid-April, 2023 – Corrective Action Plan implementation expected.
- April 13, 2023 – Summary of Capacity, Management, Operations, and Maintenance programs (CMOM) has been filed with TDEC.
- May 26, 2023 – SEP verification submitted
- August 29, 2023 – CAP/ER and SORP approved. CMOM still under review.
- DL Every 30 Days – submit a report of each overflow and release reported to TDEC
- DL Before 12/27/2023 – at the time of initiation of CAP/ER – notify TDEC in writing
- DL 12/27/2023 – initiate actions outlined in CAP/ER
- DL 06/20/2027 – Achieve substantial compliance with the Permit – Consent Order closed.
- DL 08/29/2028 – CAP/ER scheduled activities completed within 5 years – TDEC notified.
- DL 02/25/2029 – final report to TDEC on completion of CAP/ER.
- Letter received from TDEC granting the City sewer credits to allow connections at the City's discretion.