

# City of Collegedale Pre-Submittal Information

- Design Review Application
- Site & Civil Checklist
- Building Checklist and List of Adopted Construction Codes
- Floodplain Development Information Sheet
- Construction Bond and Temporary Electrical Service Agreement
- Fire Marshal Sprinkler Information
- Development Fee Schedule
- Hamilton County Health Department Information

### **DESIGN REVIEW APPLICATION**





Date Submitted:	D.R.C Meeting Date:
Design Review Application Accepted by:	
Docian Poviow Casa Number:	

PROJECT INFORMATION PLEASE PRINT	PROPERTY OWNER INFORMATION PLEASE PRINT
Project/Development Name:	Name:
	Company:
Unit/Phase Number: Lot Number:	_ Address:
Address:	
	City: State: Zip:
Present Zoning:	Telephone:
Zoning Applied for (if applicable):	Email:
Tax Map and Parcel Number(s):	Fax:
Proposed Use:	ARCHITECT INFORMATION  PLEASE PRINT
VARIANCE(S) REQUESTED	Name:
No	Company:
Yes	Address:
If Yes, submit separate application and fee.	
PREFERRED CONTACT FOR THIS PROJECT	City: State: Zip:
PLEASE PRINT	Telephone:
Name:	Email:
Telephone:	Fax:
Email:	_
SUBMIT	TAL CHECKLIST
Site Plan & Vicinity Map	Physical Samples of Materials
Elevation Drawings	Floor Plans, Perspectives etc. (if applicable)
Site & Building Section Drawings	Design Review Fee
Exterior Lighting Plan	



### City of Collegedale – Site & Civil Permitting Checklist

**Economic Development Center** – Plan Submittal and Fee Payment Drop-Off: 5225 Tallant Road, Mon – Thu 8:00 – 5:00 and Fri 8:00 – Noon

Mail: Attn. Britney Hutto, 4910 Swinyar Drive, PO BOX 1880, Collegedale, TN 37363

Email: bhutto@collegedaletn.gov

In an effort to streamline communication and processing, City of Collegedale staff will consider the owner of the project property or their designated representative as the single point of contact for the duration of the project.

Following the pre-submittal meeting with the Planning and Economic Development Director, Building and Codes Director, City Engineer, City Planner, and the Tri-Community Fire Marshall, you may submit all required hardcopy sets and digital files to our office for review.

#### Submit 3 full hardcopy sets and a digital copy to our office (all plans need to be stamped and dated).

Project	Name & Address:		
Project	Contact Name: P	roject Conta	ct Email:
Project	Contact Phone: S	ubmittal Da	te:
Require	ed Documents/Information for the Land Disturb	ance perm	it:
П	Land Disturbance Application		Site Plan
	ROW Disturbance Application		Parking Calculations (if applicable)
	TDEC Notice of Coverage (if required)		Grading Plan
	TDEC Aquatic Resource Alteration Permit (ARAP) (	i 🗆	Retaining Wall/Design (if applicable)
	applicable)		Stormwater Hydrology Report/Calculation
	Hamilton County Water Quality Permit (if applicable)		Stormwater Conveyance Plan & Profiles (15" min)
	WWTA Sewer Extension Agreement (if applicable)		Stormwater Conveyance Report/Calculation
	TDOT Highway Encroachment Permit (if applicable		Water Plan
	TDEC Sewer Extension Permit (if applicable)		Sewer Plan & Profiles
	No Rise Certification (if applicable)		Sewer Report/Calculation
	TVA, Army Corps, etc. as applicable		Erosion Control Plans (3 Phase)
	TN Fire Marshal Office Approval		Stormwater Pollution Prevention Plan (SWPPP)
	Cover Sheet		Site Details
	Existing Conditions		Landscape Plan (City Planner Approval Required)

The complete site & civil packet must be submitted by the 1<sup>st</sup> or 3<sup>rd</sup> Tuesday of each month. Submittals after these dates will be reviewed in the following review cycle. Partial, incomplete, draft, "Not for Construction" plans, or preliminary submittal will not be accepted for review.

#### **On-Site Pre-Construction Meeting:**

Schedule an on-site pre-construction meeting with the City Engineer, Public Works Official, Building & Codes Director and the Fire Marshall by contacting Britney Hutto (bhutto@collegedaletn.gov or 423-468-1967). The Land Disturbance permit will be issued once all staff comments have been addressed, all required documents have been submitted and the city engineer has issued final approval after the pre-construction meeting on site.



## City of Collegedale - Building Permitting Checklist

Economic Development Center – Plan Submittal and Fee Payment

<u>Drop-Off:</u> 5225 Tallant Road, Mon – Thu 8:00 – 5:00 and Fri 8:00 – Noon

Mail: Attn. Britney Hutto, 4910 Swinyar Drive, PO BOX 1880, Collegedale, TN 37363

Mail: Attn. Britney Hutto, 4910 Swinyar Drive, PO BOX 1880, Collegedale, 1N 373

Email: bhutto@collegedaletn.gov

In an effort to streamline communication and processing, City of Collegedale staff will consider the owner of the project property or their designated representative as the single point of contact for the duration of the project.

Following the pre-submittal meeting with the Planning and Economic Development Director, Building and Codes Director, City Engineer, City Planner, and the Tri-Community Fire Marshall, you may submit all required hardcopy sets and digital files to our office for review.

Submit 3 full hardcopy sets and a digital copy to our office (all plans need to be stamped and dated).

Proje	ct Name & Address:		
Proje	ct Contact Name:		Project Contact Email:
Proje	ct Contact Phone:		Submittal Date:
The f	following items are required for issuance of a	a Bui	lding permit:
	Non-Residential Plan Review Fee (25% of Bldg. Permit)		Plumbing Drawings with Riser Diagram and/or Gas Piping Drawings
	Plan View of Footing Layout Sectional Footings		Life Safety Plans (Occupant Load, Travel Distance, Commor Path of Egress Travel, etc.)
	Roof Plan		Door and Window Finish Schedule
	Roof Framing Plan		Label all rooms and spaced as to use
	Floor Plan		Label all rated walls and partitions (external & internal)
	Floor Framing Plan		Show all openings in external and internal walls
	Complete Section Drawings		Plan view and dimension restrooms
	Mechanical Drawings with Riser Diagram		Show required ADA turning radius in restrooms
Othe	r required permits/approvals prior to issuan	ce of	f the building permit:
	Flood Hazard Development Permit (if any		Eastside Utility District Approval letter/email
	portion of property is located within the		Electric Power Board Approval letter/email
	Special Flood Hazard Area (SFHA)		Hamilton County Air Pollution Control Bureau Approval
	WWTA Sewer Tap Permit (if applicable)		(if applicable)
	Collegedale Sewer Permit (if applicable)		Hamilton County Health Department Approval
	Hamilton County Groundwater Protection Septic Permit (if applicable)		(Restaurant, Mobile Food Unit, Hotel/Motel, Public Swimming Pool, Tattoo and/or Piercing Establishment, Bed & Breakfast, Public Camps)

Partial, incomplete, draft, "Not for Construction" plans, or preliminary submittal will not be accepted for review.

#### **2020 ADOPTED CONSTRUCTION CODES**

- Handicap and Accessibility Code. American National Standard. Accessible and Usable Buildings and Facilities (ICC/ANSI A117.1-2009)
- International Building Code, 2018 Edition with Appendices A,C,F,G, I and J
- International Residential Code, 2018
   Edition with Appendices A,B,C,E,H,J and M
- International Property Maintenance Code, 2018 Edition

- International Fire Code, 2018 Edition with Appendices A,B,C,D,E,F,G,H,I,J,L,M and N
- International Fuel/Gas Code, 2018 Edition
- International Mechanical Code, 2018 Edition
- International Plumbing Code, 2018 Edition
- National Electrical Code (NEC), 2017 Edition
- International Energy Conservation Code, 2018
   Edition



# CITY OF COLLEGEDALE PERMIT TO DEVELOP IN A FLOOD HAZARD AREA

The undersigned herby makes application for a permit to develop in a designated flood hazard area. The work to be performed is described below and in attachments hereto. The undersigned agrees that all such work shall be done in accordance with the requirements of the Collegedale Municipal Floodplain Zoning Ordinance and with all other applicable local, state, and federal regulations. All necessary required permits/certifications are attached.

wner's N	lame	Bui	der's Name		
ddress _		Add	Iress		
hone		Pho	one		
Λ Do	scription of Work				
A. De.	Proposed Development Descript	ion			
	New Construction		Paving	Storage of Equip	nment
	Alteration or Repair			Storage of Equip	
	Filling	Excavation	Drilling	Wallalactarea i	ionie
	2. Address of proposed developme	<del></del>			
	3. Is the proposed development in			es No	<u> </u>
	4. If yes, has a no-rise certification		· ——		
	5. As identified on the (FIRM, Zone		<del></del>	<del></del>	
	·	•	Panel		Man Effective Dat
	6. Type of Construction:	20116	1 dilci	т	IVIAP ETIECTIVE DAT
	New Residential	1	New Non-Residential		
	Addition		mprovement to exist	ing structure	
	Accessory structu		Temporary structure	ing structure	
	7. Base Flood Elevation at site?			acres)	
	Required lowest floor elevation			feet m.s.l.	Vents
	<ol> <li>Required lowest hoof elevation</li> <li>Elevation to which all attendant</li> </ol>				Vents
	installed or flood-proofed.	<del>-</del>	<del>-</del>	requipment win be	
	10. Will the proposed development			es? Ves No	
R Δlt	erations, Additions, Or Improvements	·	·	103	
D. Ait	What is the estimated market value	=		(Attach propert	ty assessor's card)
	<ol> <li>What is the cost of the proposed</li> </ol>			(Attach propert	ty assessor s cara,
	3. If the cost of proposed construct			value of the structure	
	then the substantial improveme	ent requirements sha	l apply.		
C. No	n-Residential Construction				
	1. Type of flood protection method	<u></u>	Flood-proofing	Elevation	
	2. If the structure is flood-proofed,	the required flood-p	roofing elevation is	feet m	.s.l.
				Flood-proofing Certific	cate Info.
	Signature		Date		

- Floodplain development **permit** needs to be issued for ALL development in the floodplain.
- **Site Plan** needs to be submitted with the application delineating the floodplain/floodway and the site where the development or structure is located.
- **Elevation certificate (finished construction)** is required for all structures built in the floodplain for flood insurance policies to be rated must be done by a **TN licensed surveyor.**
- Engineering study Hydraulic and Hydrologic (H&H) study required for all floodway development.
- Stream alteration is required to be reported to the State and FEMA.
- <u>"Development"</u> means any man-made change to improved or unimproved real estate, including, but not limited to, buildings or other structures, mining, dredging, filling, grading, paving, excavating, drilling operations, or storage of equipment or materials.
  - Zone A (no base flood elevations determined): 3' above the Highest Adjacent Grade for residential/non-residential / manufactured homes
  - o **Zone AE**: 1' above the Base Flood Elevation determined by the Flood Insurance Study Profile.
  - o **Recreational Vehicles**: on site fewer than 180 days, licensed and road ready.
  - Crawlspaces below BFE: 1 square inch of flood vents, per 1 square foot, no higher than 1 foot above finished grade.
  - Subdivisions greater than 50 lots or 5 acres, which is lesser the developer has to determine the Base Flood Elevation for the subdivision.
  - Manufactured Homes: elevated, anchored, use over-the-top ties to ground anchors.
- **Floodproofing**: only for **non-residential** must be certified by a licensed engineer stating the entry/exit of floodwaters and flood resistant material built at the BFE.
- Substantial Damage/Substantial Improvement: reconstruction, rehabilitation, addition, or other improvement of a structure, the cost of which equals or exceeds 50 percent of the market value of the structure before the "start of construction" of the improvement. This term includes structures which have incurred "substantial damage," regardless of the actual repair work performed.
  - SD/SI fair market value can be determined by assessor's value, actual cash value or licensed appraiser report.
  - o FEMA has a list of costs to be included/excluded, should be part of the application package.
- Floodway development must have a Hydraulic and Hydrologic (H&H) study performed by a licensed engineer using FEMA HEC-2 data from the FEMA Map Service Center Library.
   <u>LibraryRequest@riskmapcds.com</u>.
  - Floodway development in a Zone AE with floodways designated must have 0.0 rise.
  - o Floodway development in a **Zone AE without floodways designated** can have **1.0' rise.** 
    - If a rise is greater than the requirement must be submitted to FEMA for a Letter of Map Revision (LOMR). This change revises the Flood Insurance Rate Map (FIRM) and Flood Insurance Study (FIS).
  - Streams without Base Flood Elevations and Floodways (A Zones): no encroachment including fill or structures with an area equal to the width of the stream or 20' whichever is greater and can have 1.0' rise.
  - Standards for Unmapped streams: no encroachment including fill or other development at least twice the width of the stream measured from the top of each bank and have a rise of 1.0'.



Notary Signature: \_\_\_

# **City of Collegedale**

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Construction Bond &	· · · · · · · · · · · · · · · · · · ·		
The parties to this Agreement are Collegedale, Tennessee.	(0	General Contractor or Owner) (Circle One)and the Ci	ty of
This agreement is entered into this	day of	20	
WHEREAS, the parties to this agreement des	·	ergize electrical service on certain property located at	
WHEREAS, the Building Department does no construction requirements are met at final inspections therefore all parties to this Agreement agree	tion and a Certificate of Occupa	g electrical service to this property provided that all oncy is issued within 90 days.	othe
City of Collegedale until the construction of the bu	uilding identified above is compl	y of Collegedale, Tennessee. This bond will be held be teed - including all final inspections and issuance of tes that could result from electricity being connected	
<ol><li>The General Contractor and Electrical Contractor construction requirements are met at final in</li></ol>		ctrical service to the above referenced provided that ccupancy is issued within 90 days.	all
<ol> <li>The Electrical Inspector has inspected the cur energized pending the issuance of a Certificate of</li> </ol>	= :	operty and has determined that it is acceptable to be	
<ol> <li>The General Contractor and Electrical Contra accordance with the City of Collegedale and the N</li> </ol>		shall be accomplished within this time period in	
<ol> <li>This authorization for electrical service undended</li> <li>Occupancy has been obtained from the Building Degree of the service and does not violate the National Ele</li> </ol>		e connection shall be maintained as long as it remain:	s in
Occupancy has been obtained from the Building D good repair and does not violate the National Ele 6. In the event that no Certificate of Occupant contractor or owner, this electrical service agreem temporary service agreement shall be allowed for	ctric Code.  cy is issued within <u>90 days</u> or in nent shall terminate upon writter the contractor for a period of concern.	the event of any breach of this agreement by the en notice by the Electrical Inspector and no further	
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#### TRI-COMMUNITY VOLUNTEER FIRE DEPARTMENT, INC.

A NON-PROFIT CORPORATION



Office of the Fire Marshal

Sprinkler System Requirements

10/19/2020

Requirements for the submittal and process for approval are included in this document. Please review and submit any questions to my office.

Complete sprinkler system shop drawings must be submitted by a Tennessee licensed sprinkler system contractor, signed by RME for review and approval, prior to installation. Drawings must show the point of service, underground piping, above ground piping, hydraulic calculations, and manufacturer cut sheets with listing of fire protection systems. All plans submitted shall follow NFPA 13. The sprinkler system shop drawings and associated calculations must be reviewed and approved by the fire sprinkler system engineer, processed with the engineer's shop drawing review stamp, and submitted by an architect/engineer electronically.

Approval by this office does not relieve the designing architect or engineer, contractor, or owner of responsibility for correcting plans or construction found in noncompliance with applicable codes.

Matthew Mundall

Fire Marshal

#### 2010 NFPA 13 Chapter 22

Working plans shall be drawn to an indicated scale, on sheets of uniform size, with a plan of each floor, and shall show those items from the following list that pertain to the design of the system:

- (1) Name of owner and occupant.
- (2) Location, including street address.
- (3) Point of compass.
- (4) Full height cross section or schematic diagram, including structural member information if required for clarity and including ceiling construction and method of protection for nonmetallic piping.
- (5) Ceiling/roof heights and slopes not shown in the full height cross section.
- (6) Location of partitions.
- (7) Location of fire walls.
- (8) Occupancy class of each area or room.
- (9) Location and size of concealed spaces, closets, attics, and bathrooms.
- (10) Any small enclosures in which no sprinklers are to be installed.
- (11) Size of city main in street and whether dead end or circulating; if dead end, direction and distance to nearest circulating main; and city main test results and system elevation relative to test hydrant.
- (12) Other sources of water supply, with pressure or elevation.
- (13) Make, type, model, and nominal K-factor of sprinklers, including sprinkler identification number.
- (14) Temperature rating and location of high-temperature sprinklers.
- (15) Total area protected by each system on each floor.
- (16) Number of sprinklers on each riser per floor.
- (17) Total number of sprinklers on each dry pipe system, preaction system, combined dry pipe-preaction system, or deluge system.
- (18) Approximate capacity in gallons of each dry pipe system.
- (19) Pipe type and schedule of wall thickness.
- (20) Nominal pipe size and cutting lengths of pipe (or center-to-center dimensions). Where typical branch lines prevail, it shall be necessary to size only one typical line.
- (21) Location and size of riser nipples.
- (22) Type of fittings and joints and location of all welds and bends. The contractor shall specify on drawing any sections to be shop welded and the type of fittings or formations to be used.
- (23) Type and locations of hangers, sleeves, braces, and methods of securing sprinklers when applicable.
- (24) All control valves, check valves, drain pipes, and test connections.
- (25) Make, type, model, and size of backflow prevention assembly, and means to forward flow test at system demand.
- (26) Make, type, model, and size of alarm or dry pipe valve.
- (27) Make, type, model, and size of preaction or deluge valve.
- (28) Kind and location of alarm bells.
- (29) Size and location of standpipe risers, hose outlets, hand hose, monitor nozzles, and related equipment.

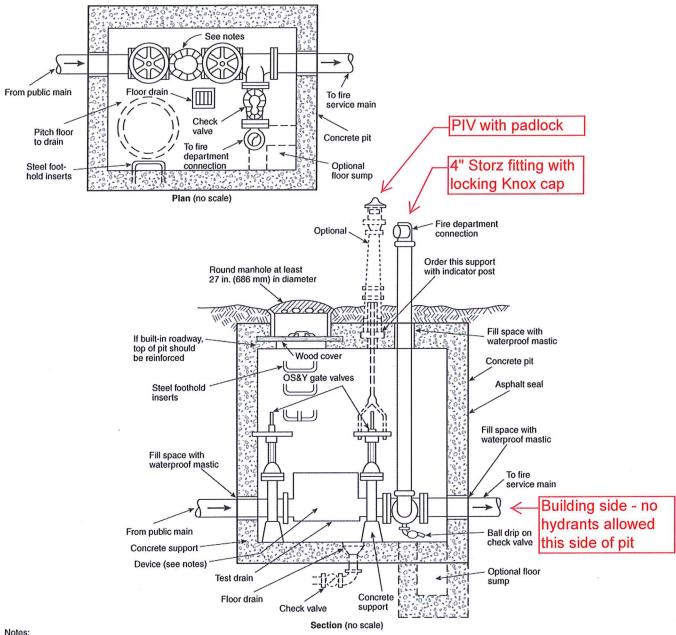
- (30) Private fire service main sizes, lengths, locations, weights, materials, point of connection to city main; the sizes, types and locations of valves, valve indicators, regulators, meters, and valve pits; and the depth that the top of the pipe is laid below grade.
- (31) Piping provisions for flushing.
- (32) Where the equipment is to be installed as an addition to an existing system, enough of the existing system indicated on the plans to make all conditions clear.
- (33) For hydraulically designed systems, the information on the hydraulic data nameplate.
- (34) A graphic representation of the scale used on all plans.
- (35) Name, address, and phone number(s) of contractor.
- (36) Hydraulic reference points shown on the plan that correspond with comparable reference points on the hydraulic calculation sheets.
- (37) The minimum rate of water application (density or flow or discharge pressure), the design area of water application, in-rack sprinkler demand, and the water required for hose streams both inside and outside.
- (38) The total quantity of water and the pressure required noted at a common reference point for each system.
- (39) Relative elevations of sprinklers, junction points, and supply or reference points.
- (40) If room design method is used, all unprotected wall openings throughout the floor protected.
- (41) Calculation of loads for sizing and details of sway bracing.
- (42) Zones of influence used in calculations for seismic bracing indicated on plans.
- (43) The setting for pressure-reducing valves.
- (44) Information about listed antifreeze solution used (type and amount).
- (45) Size and location of hydrants showing size and number of outlets and if outlets are to be equipped with independent gate valves. Whether hose houses and equipment are to be provided, and by whom, shall be indicated. Static and residual hydrants that were used in flow tests shall be shown.
- (46) Size, location, and piping arrangement of fire department connections.
- (47) Edition year of NFPA 13 to which the sprinkler system is designed.

#### **Hydraulic Calculations**

A graphic representation of the complete hydraulic calculation shall be plotted and include:

- (1) Water supply curve
- (2) Sprinkler system demand
- (3) Hose allowance (where applicable)
- (4) In-rack sprinkler demand (where applicable)

#### Typical Fire Protection Valve Pit Diagram



- 1. Various backflow prevention regulations accept different devices at the connection between public water mains and private fire service mains.
- 2. The device shown in the pit could be any or a combination of the following:
  - (a) Gravity check valve
- (d) Reduced pressure zone (RPZ) device (e) Vacuum breaker
- (b) Detector check valve
- (c) Double check valve assembly
- 3. Some backflow prevention regulations prohibit these devices from being installed in a pit.
- 4. In all cases, the device(s) in the pit should be approved or listed as necessary. The requirements of the local or municipal water department should be reviewed prior to design or installation of the connection.
- 5. Pressure drop should be considered prior to the installation of any backflow prevention devices.

#### **Fire Department Connections**

All FDC to be located within 100ft of an approved hydrant to support building sprinkler system Required to have a 4" Storz fitting and 30 degree turndown. A locking Knox cap will be purchased by the installer and will be secured by the fire department after the underground testing and flush has been performed.

FDC are not allowed to be mounted to a building or structure without approval of the Fire Marshal.

#### **Alarm Monitoring**

All valves supplying water to the system are required to be monitored by an approved alarm system as per 2012 IFC 903.4.

Sprinkler systems to be monitored by a constantly attended location per 2012 IFC 903.4.1.

#### **Sprinkler Flow Notification**

In typical riser design, substitute an electronic horn strobe notification device in lieu of an electric bell or water gong. This device should only activate if the flow switch is triggered.



REBEKAH T. BARNES, R.N. ADMINISTRATOR

VALERIE A. BOAZ, M.D. HEALTH OFFICER

# HAMILTON COUNTY, TENNESSEE CHATTANOGGA—HAMILTON COUNTY HEALTH DEPARTMENT

#### Applicant:

The Hamilton County Health Department requires plan submission and approval for the following businesses:

- 1) Restaurant
- 2) Mobil Food Unit
- 3) Hotel/Motel
- 4) Public swimming pool
- 5) Tattoo Establishment
- 6) Piercing Establishment
- 7) Bed and Breakfast
- 8) Public camps

#### Plan Submission, Approval and Permitting procedures:

When Plans are required. Plans drawn to scale for the above establishments shall be submitted for review and approval to the Hamilton County Health Department, Division of Environmental Health, 921 East Third Street, Chattanooga, TN 37403. A permit applicant or permit holder shall submit to the department properly prepared plans and specifications for review and approval before:

- 1) The construction of a new facility
- 2) The conversion of an existing structure for use as one of the above referenced facilities
- 3) The extensive remodeling of one of the above facilities

If you have any questions regarding plan submission and permitting requirements please contact the Division of Environmental Health at 423/209-8110, Monday through Friday 8:00 a.m. to 4:00 p.m.

Thank you for your cooperation.

Lowe Wilkins,
Environmental Health Program Manager



# City of Collegedale – Development Review Fee Schedule

Subdivision and Planned Development Review Fees				
D 1: 1 D1 1/G 1 1: D1				
Preliminary Plat/Construction Plans				
	1 <sup>st</sup> 20 lots	\$	250.00	
	Each lot over 20	\$	5.00	
Planned Residential/Commercial Develop	ment			
	1 <sup>st</sup> 5 acres	\$	400.00	
	Each acre over 5 (\$1500.00 maximum)	\$	50.00	
Subdivision Final Plat (following a preliminary	plat)	\$	50.00	
Corrective/Revised Plat/Final Plat (for minor subdivisions that did not require a preliminary plat)			200.00	

Cost reflects one plan review and one review of corrections on preliminary plats, final plats and construction plans. Each additional review will cost \$300.00. Any revisions requested by a developer after approvals will be charged \$75.00 per hour.

Zoning Fees		
Residential/Agriculture	Single lot ( = 1 acre)</td <td>\$ 100.0</td>	\$ 100.0
-	1.1.to 5 acres	\$ 200.0
	5.1 to 20 acres	\$ 550.0
	20.1+ acres	\$ 650.0
Non-Residential	Up to 5 acres	\$ 550.0
	5.1 to 20 acres	\$ 650.0
	20.1+ acres	\$ 750.0
Other Fees		
Annuals to the Decod of Zoning Annuals		ć 450.0v
Appeals to the Board of Zoning Appeals		\$ 150.00 \$ 150.00
Special Exceptions Permit Design Review		\$ 150.00
5	New Development	\$ 200.0
	Addition	\$ 100.0
Right-of-Way Permit		\$ 50.00
Cell Tower Site Review Fee		\$ 1500.0
Wireless Facilities in the Right-of-Way		
	One-time Application Fee	\$ 200.0
	First 5 Sites (each)	\$ 100.0
	Each Site Over 5	\$ 50.00
Annexation		Zoning Fees App
Non-Residential Plan Review		25% of Building Permit Fe

Non-Residential Plan Review
Non-Residential Phased Construction Plan Review

25% of Building Permit Fee 50% of Building Permit Fee