



# LAWRENCEVILLE

## GEORGIA

### CITY COUNCIL REGULAR MEETING MINUTES

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Wednesday, June 26, 2024  
7:00 PM

Council Chambers  
70 S. Clayton St, GA 30046

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#### **Call to Order**

PRESENT

Mayor David Still  
Council Member Bruce Johnson  
Council Member Victoria Jones  
Council Member Austin Thompson  
Mayor Pro-Tem Marlene Taylor-Crawford

#### **Prayer**

Reverend Teresa Welborn was present to provide the invocation.

#### **Pledge of Allegiance**

Mayor Still led the group in the Pledge of Allegiance.

#### **Agenda Additions / Deletions**

Chuck Warbington, City Manager tabled indefinitely, item #14 Amendment to ARTICLE 1 Districts, tabled indefinitely, item #15 Ordinance to Amend the Zoning Ordinance, ARTICLE 6; Architectural and Design Standards, tabled indefinitely, item #16 Ordinance to Amend the Zoning Ordinance, ARTICLE 10; Definitions, tabled indefinitely, item #17 Ordinance to Amend ARTICLE 11; Inactive Zoning Districts, of the Zoning Ordinance.

Motion to accept agenda as presented made by Council Member Jones, Seconded by Council Member Thompson.

Voting Yea: Mayor Still, Council Member Johnson, Council Member Jones, Council Member Thompson, Mayor Pro-Tem Taylor-Crawford

#### **Recognitions**

1. Police Department Explorers Unit

Chief Mullins presented the Police Department Explorers Unit.

2. Rory Johnson

Mayor Still recognized Rory Johnson for his dedication to the City of Lawrenceville and its boards.

**Approval of Prior Meeting Minutes**

Motion to approve minutes as presented made by Council Member Thompson, Seconded by Council Member Johnson.

Voting Yea: Mayor Still, Council Member Johnson, Council Member Jones, Council Member Thompson, Mayor Pro-Tem Taylor-Crawford

- 3. May 22, 2024, Regular Meeting
- 4. June 05, 2024, Special Call and Work Session

**Announcements**

Mayor Still recognized each Council Member who individually made announcements about events and recognitions throughout the community. He then read from the slides for upcoming City Events.

**Public Comment**

To participate in the Public Comment part of the Agenda, you must register with the City Clerk prior to the beginning of the meeting. Presentations will be limited to 2 minutes per person and Council will not respond to the comment.

Macy Moore read a poem for her comment.

**Consent Agenda**

These are items on which the Mayor and Council are in agreement to approve and are placed on the agenda to be approved in one vote.

Lee Thompson, City Attorney read the consent agenda items into record.

Motion to accept Consent Agenda as read into record by Lee Thompson, City Attorney made by Mayor Pro-Tem Taylor-Crawford, Seconded by Council Member Thompson.

Voting Yea: Mayor Still, Council Member Johnson, Council Member Jones, Council Member Thompson, Mayor Pro-Tem Taylor-Crawford

- 5. Purchase of Transformers
- 6. Microsoft Enterprise Agreement Renewal (year 3)
- 7. On-Call Electrical Services on an Annual Contract Change Order 1
- 8. Approval of Worker's Comp Insurance Excess Coverage
- 9. Amendment to Chapter 8 of the Code of Ordinances
- 10. Resolution to Amend the City's 401(a) retirement plan to exclude grant funded positions

**Public Hearing New Business**

Discussion will be limited to 7 minutes per side including rebuttal. Discussions on Zoning issues will

be limited to 10 minutes per side including rebuttal. Questions and answers from Council Members will not infringe on the time limit.

11. RZC2024-00054; Stacy Patterson; 194 Gwinnett Drive

Todd Hargrave, Director of Planning and Development presented this item and answered questions from Council. Mayor Still opened the Public Hearing hearing or seeing no one for or against, closed the Public Hearing.

Motion to approve with conditions RZC-2024-00054; Stacy Patterson; 194 Gwinnett Drive rezone subject property from split BG/RM-12 to BG made by Council Member Jones, Seconded by Council Member Johnson.

Voting Yea: Mayor Still, Council Member Johnson, Council Member Jones, Council Member Thompson, Mayor Pro-Tem Taylor-Crawford

12. SUP2024-00086; Juanita Wade; 3130 Sugarloaf Parkway

Todd Hargrave, Director of Planning and Development presented this item and answered questions from Council. Mayor Still opened the Public Hearing hearing, or seeing no one for or against, closed the Public Hearing.

Motion to approve with amended conditions SUP2024-00086; Juanita Wade; 3130 Sugarloaf Parkway for special event facility/banquet hall made by Council Member Jones, Seconded by Council Member Thompson.

Voting Yea: Mayor Still, Council Member Johnson, Council Member Jones, Council Member Thompson, Mayor Pro-Tem Taylor-Crawford

13. SUP2024-00089; W. Charles Ross Esq.; 381 Industrial Park Drive

Mayor David Still read into record that in the Planning Commission Meeting where the applicant asked to request to withdrawal without prejudice. Mayor Still opened the Public Hearing hearing or seeing no one for or against, closed the Public Hearing.

Motion to approve withdrawal without prejudice SUP2024-00089; W. Charles Ross Esq; 381 Industrial Park Drive for outdoor storage display of trailers made by Mayor Still, Seconded by Mayor Pro-Tem Taylor-Crawford.

Voting Yea: Mayor Still, Council Member Johnson, Council Member Jones, Council Member Thompson, Mayor Pro-Tem Taylor-Crawford

14. An Ordinance to Amend the Zoning Ordinance, ARTICLE 1; Districts

Tabled indefinitely item #14 Amendment to ARTICLE 1; Districts.

15. An Ordinance to Amend the Zoning Ordinance, ARTICLE 6; Architectural and Design Standards

Tabled indefinitely item #15 Amendment to ARTICLE 6; Architectural and Design Standards.

16. An Ordinance to Amend the Zoning Ordinance, ARTICLE 10; Definitions

Tabled indefinitely item #16 Amendment to ARTICLE 10; Definitions.

17. An Ordinance to Amend Article 11, Inactive Zoning Districts, of the Zoning Ordinance

Tabled indefinitely Ordinance to Amend Article 11, Inactive Zoning Districts, of the Zoning Ordinance.

### **Council Business Old Business**

There is no public comment during this section of the agenda unless formally requested by the Mayor and the Council.

18. APPL2023-00008; United Rentals c/o Ben Baker; 255 Equipment Court

Motion to deny appeal with conditions presented in decision – based on the information provided by council, the City Council finds that the business operated by United Rental does not meet the definition of Automobile Sales or Auction and Related Service (Used or New Car Outdoor Sales Lot) contained in the City of Lawrenceville Zoning Ordinance of 2020 because the equipment leased and rented by United Rental does not meet the definition of a vehicle. Even if the use meets that definition, a landscape strip is also required under that section for APPL2023-00008; United Rentals c/o Ben Baker; 255 Equipment Court made by Mayor Still, Seconded by Council Member Johnson.

Voting Yea: Mayor Still, Council Member Johnson, Council Member Jones, Council Member Thompson, Mayor Pro-Tem Taylor-Crawford

#### Motion

Appeal No. 2023-00008 was filed by United Rentals on April 11, 2024, challenging a decision by the Board of Appeals granting a variance from the zoning requirement of a combination of fencing and landscaping for the property located at 255 Equipment Court, Lawrenceville, Georgia, Gwinnett Tax parcel R7012 116 (the Property). Based on the arguments presented to the City Council in the hearing on May 22, 2024, and the information contained in the record stipulated to by the parties at the hearing, I move that the City Council find as follows:

#### Findings of Fact

Section 200.3.55 of the City of Lawrenceville Zoning Ordinance of 2020 governs outdoor storage in industrial zoning classifications. Paragraph A. 1. prohibits outdoor storage directly adjacent to a residential property, and Paragraph A. 4 requires all items to be screened by a solid opaque fence at least six (6) feet in height, by landscaping, creating a complete visual buffer, or by a combination of fencing and landscaping. It also requires that no item shall be placed at a height exceeding that of the screening fence or landscaping materials. (A copy of the entire section 200.3.55 is attached hereto as Exhibit A).

Article VIII of the Development Regulations of the City of Lawrenceville, Section 8.4 requires a landscape strip of a minimum of ten (10) feet in width to be located on private property adjacent to the right of way. (A copy of the entire section 8.4 is attached hereto as Exhibit B).

The Property is zoned LM (Light Manufacturing) and is located adjacent to the right of way of University Parkway (Highway 316) and is adjacent to property zoned for multi-family residential use.

The applicant contends that the use of the Property should be classified as an Auto Sales or Auction and Related Service (Used or New Car Outdoor Sales Lot) and that the provisions of Section 200.3. 8 and Section 200. 3. 79 should apply to its business.

The applicant originally applied for a variance to “Remove the requirement for installation of under-story trees along GA-HWY 316 Right or (sic) Way”

The Board of Appeals granted the variance to remove the requirement of opaque fencing six feet in height but conditioned the removal of the fencing requirement with the construction of a ten-foot landscaped strip with specific requirements for the landscape strip.

The applicant appealed to the decision of the Board of Appeals to the City Council.

### Decision

Based on the above information, the City Council finds that the business operated by United Rental does not meet the definition of Automobile Sales or Auction and Related Service (Used or New Car Outdoor Sales Lot) contained in the City of Lawrenceville Zoning Ordinance of 2020 because the equipment leased and rented by United Rental does not meet the definition of a vehicle. Even if the use meets that definition, a landscape strip is also required under that section.

The City Council also finds that the Property is zoned LM and contains outdoor storage. The argument of United Rental that it may not have equipment over six feet in height or higher than any fence installed is an improper reading of the City of Lawrenceville Zoning Ordinance of 2020. The Ordinance simply requires visual screening of outdoor storage with a combination of fencing and/or landscaping. The Development Regulations also require a ten (10) foot landscape strip on private property along the right of way.

The variance requested is granted only to the extent that the use of the property complies with the following conditions:

1. A ten (10) foot landscape strip adjacent to University Parkway (GA Hwy 316) must be installed and must be placed on top of a four (4) foot berm.

The landscape strip shall be planted as follows:

- Trees- Install ten (10) Quercus Virginia/Southern Live Oak measuring eight (8) inches in diameter at breast height (DBH) at time of planting. Tree spacing shall be fifty (50) linear feet between trees.
- Shrubs- Install one hundred ninety-six (196) Ilex Cornuta “Burford II” Burford Holly measuring six (6) feet in height at time of planting.
- Ground Cover – The remaining balance of the ten (10) foot landscape strip shall consist of Paspalum Notatum/ Bahia Sod.

The applicant shall submit a landscape plan for review and approval of the Director of Planning and Development.

2. A buffer and landscape strip that meets the requirements of the City of Lawrenceville Development Regulations shall be placed between the Property and the multi-family residential property to the West.
3. All equipment stored outside shall be stored in the height position that the equipment would be at to be towed or loaded on a trailer for transportation on streets, roads, highways or interstates.

The applicant shall comply with the conditions contained in this decision within one hundred twenty (120) days of the date of this decision.

19. Amend Chapter 12 of the Code of Lawrenceville to update provisions related to Massage Therapy Regulatory Fee

Michael Fischer, Assistant City Manager presented this item and answered questions from Council.

Motion to approve Amendment to Chapter 12 for the Code of Lawrenceville to update provisions related to Massage Therapy Regulatory Fee from \$2,000 to \$300 made by Council Member Jones, Seconded by Mayor Pro-Tem Taylor-Crawford.

Voting Yea: Mayor Still, Council Member Johnson, Council Member Jones, Council Member Thompson, Mayor Pro-Tem Taylor-Crawford

20. Amendment to Chapter 20 of the Code of Ordinances

Barry Mock, Assistant City Manager presented this item for discussion and answered questions from Council.

Motion to approve the Amendment to Chapter 20 of the Code of Ordinances made by Council Member Jones, Seconded by Mayor Pro-Tem Taylor Crawford.

Voting Yea: Mayor Still, Council Member Johnson, Council Member Jones, Council Member Thompson, Mayor Pro-Tem Taylor-Crawford

### **Council Business New Business**

There is no public comment during this section of the agenda unless formally requested by the Mayor and the Council.

21. Resolution to Adopt Fiscal Year 2025 Budget

Shereese Durham, Budget Officer presented this item and answered questions from Council.

Motion to approve the Fiscal Year 2025 Budget Resolution to set revenue and expenditure priorities made by Mayor Still, Seconded by Council Member Johnson.

Voting Yea: Mayor Still, Council Member Johnson, Council Member Jones, Council Member Thompson, Mayor Pro-Tem Taylor-Crawford

22. 378 Reynolds Road property acquisition

Barry Mock, Assistant City Manager presented this item and answered questions from Council.

Motion to approve the purchase and sale agreement for 378 Reynolds Road in the amount of \$425,000.00 made by Council Member Johnson, Seconded by Council Member Thompson.  
Voting Yea: Mayor Still, Council Member Johnson, Council Member Jones, Council Member Thompson, Mayor Pro-Tem Taylor-Crawford

23. Easement agreement with SPE Investments Group

Barry Mock, Assistant City Manager presented this item and answered questions from Council.

Motion to approve the access and drainage Easement agreement with SPE Investments Group made by Council Member Jones, Seconded by Council Member Thompson.  
Voting Yea: Mayor Still, Council Member Johnson, Council Member Jones, Council Member Thompson, Mayor Pro-Tem Taylor-Crawford

24. Resolution to Approve Acceptance of a Roadside Enhancement and Beautification Council Grant for Construction of Landscaping at SR316 and Collins Hill Road

Eranildo Lustosa, City Engineer II presented this item and answered questions from Council.  
Motion to approve the Resolution to accept the Roadside Enhancement and Beautification Council Grant in the amount of \$50,000 for Construction of Landscaping at SR316 and Collins Hill Road made by Mayor Pro-Tem Taylor-Crawford, Seconded by Council Member Thompson.  
Voting Yea: Mayor Still, Council Member Johnson, Council Member Jones, Council Member Thompson, Mayor Pro-Tem Taylor-Crawford

25. Purchase of two side arm garbage trucks on State Contract and one "Scout" truck and approval of Budget Amendment

Michael Rudnick, Fleet Director presented this item and answered questions from Council.  
Motion to approve the purchase of two side arm refuse trucks on state contract and one scout truck on a Sourcewell quote for a total amount not to exceed \$727,688.00 and approval of Budget Amendment 540-6-26 made by Council Member Johnson, Seconded by Council Member Thompson.  
Voting Yea: Mayor Still, Council Member Johnson, Council Member Jones, Council Member Thompson, Mayor Pro-Tem Taylor-Crawford

**Executive Session – Personnel, Litigation, Real Estate**

Motion to move into Executive Session made by Council Member Thompson, Seconded by Mayor Pro-Tem Taylor-Crawford.

Voting Yea: Mayor Still, Council Member Johnson, Council Member Jones, Council Member Thompson, Mayor Pro-Tem Taylor-Crawford

Motion to adjourn Executive Session made by Council Member Thompson, Seconded by Council Member Jones.

Voting Yea: Mayor Still, Council Member Johnson, Council Member Jones, Council Member Thompson, Mayor Pro-Tem Taylor-Crawford

Report of items discussed in Executive Session

2 Real Estate

1 Litigation

0 Votes Taken

### **Public Vote Out of Executive Session**

IGA – McGee Tract – motion to approve IGA with the LDA to transfer the McGee Tract to the LDA by Mayor David Still, seconded by Council Member Jones.

Voting Yea: Mayor Still, Council Member Johnson, Council Member Jones, Council Member Thompson, Mayor Pro-Tem Taylor-Crawford

IGA – Reynolds Road Assemblage – motion to approve to assign the IGA Reynolds Road Assemblage with the LDA by Mayor David Still, seconded by Mayor Pro-Tem Taylor-Crawford.

Voting Yea: Mayor Still, Council Member Johnson, Council Member Jones, Council Member Thompson, Mayor Pro-Tem Taylor-Crawford

### **Final Adjournment**

Motion to adjourn Regular Meeting made by Council Member Thompson, Seconded by Council Member Johnson.

Voting Yea: Mayor Still, Council Member Johnson, Council Member Jones, Council Member Thompson, Mayor Pro-Tem Taylor-Crawford

### **Minute Signatures**

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David R. Still, Mayor

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Karen Pierce, City Clerk

**ORDINANCE ORD-2024-10**

**ORDINANCE TO AMEND CHAPTER 12 OF THE CODE OF THE CITY OF LAWRENCEVILLE,  
GEORGIA REGARDING BUSINESSES AND BUSINESS REGULATIONS TO UPDATE THE ANNUAL  
REGULATORY LICENSE FEE FOR A MASSAGE THERAPY BUSINESS AND FOR OTHER PURPOSES**

The City Council of the City of Lawrenceville, Georgia hereby ordains that the Code of the City of Lawrenceville, Georgia shall be amended as follows:

**Section 1:**

That subsection (a)(8) related to annual regulatory license fee and occupational tax certificate required of Sec. 12-319 regarding requirements and application, is hereby amended by deleting subsection (a)(8) in its entirety and replacing the language to read as follows:

**Sec. 12-319. Requirements and application.**

(a) Requirements.

- (8) *Annual regulatory license fee and occupational tax certificate required.* An annual regulatory license fee and payment of the applicable annual occupational tax shall be required for each person, firm, corporation, or other entity operating a massage therapy business. The annual regulatory license fee shall be \$300.00 per massage therapy business and shall be in addition to occupation taxes.

**Section 2:**

Except as specifically amended as set forth above, all other provisions and subsections of Section 12-319 shall remain in full force and affect. Further, all other provisions and sections of Chapter 12 shall remain materially unchanged and in full force and affect.

**Section 3:**

All ordinances, regulations, or parts of the same in conflict with this ordinance are hereby rescinded to the extent of said conflict and only to the extent of said conflict.

**Section 4:**

If any section, article, paragraph, sentence, clause, phrase, or word in this ordinance, or application thereof to any person or circumstance is held invalid or unconstitutional by a Court of competent jurisdiction, such holding shall not affect the validity of the remaining portions of this ordinance; and the City Council hereby declares it would have passed such remaining portions of the ordinance despite such invalidity, which remaining portions shall remain in full force and effect.

Section 5:

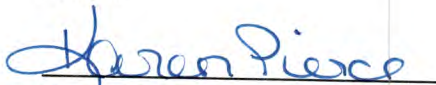
This ordinance shall become effective upon its adoption by the City Council.

**IT IS SO ORDAINED** this 26<sup>th</sup> day of June, 2024.



David R. Still, Mayor

Attest:



Karen Pierce, City Clerk

**ORDINANCE ORD-2024-11**

**ORDINANCE TO AMEND CHAPTER 20 OF THE CODE OF THE CITY OF LAWRENCEVILLE,  
GEORGIA RELATED TO ENVIRONMENT TO UPDATE VARIOUS PROVISIONS RELATED TO AIR  
QUALITY CONTROL, NOISE CONTROL, AND FOR OTHER PURPOSES**

The City Council of the City of Lawrenceville, Georgia hereby ordains that the Code of the City of Lawrenceville, Georgia shall be amended as follows:

Section 1:

That Article II., Air Quality Control, of Chapter 20, Environment, is hereby amended by deleting Article II. in its entirety and replacing the language to read as follows:

**ARTICLE II. AIR QUALITY CONTROL**

**Sec. 20-19. Outdoor and open burning.**

- (a) Permits and fees.
  - (1) Permits for open burning at or on development sites for the purpose of clearing land for new construction shall be obtained from Gwinnett County fire plan review. Permits shall be registered with the Gwinnett County Fire Services Communications Center by the Gwinnett County fire marshal's office.
  - (2) The applicant shall complete an application for an open burning permit issued by county fire plan review. The applicant shall submit a plat or site plan showing the proposed location of the burn pit and information relating to the proximity of any occupied or unoccupied structure.
  - (3) The application, if approved, shall be accompanied by fees as established in the "Gwinnett County Land Development and Other Services Fee Schedule," as may be amended. Fees shall be retained by Gwinnett County/Gwinnett County Department of Fire and Emergency Services.
  - (4) No burning shall commence prior to an inspection of the site and the burn pit by a representative of the county fire marshal's office. Upon approval of the burn pit, the permit shall be valid for a period of 30 days. Permits may be extended for increments of 15-day periods without additional fees, with a maximum of two extensions.

- (b) Fires requiring written permits.
- (1) The only types of fires permitted for the purpose of land clearing are pit fires. Non-pit fires are not permitted for land clearing in the city or county. All pit fires shall be conducted in strict accordance with the "Air Curtain Destructor Operating Guide and Procedures" as published by the North Georgia Region of the environmental protection division.
  - (2) Pit fires shall comply with the following stipulations:
    - a. The pit shall be at least 300 feet from any occupied or habitable structure. This distance may be required to be increased by the county fire marshal's office if needed.
    - b. Where a site cannot be excavated to the recommended depth(s) due to high water table and/or subsurface rock, the pit may be constructed above ground level, subject to the same state standards and procedures for a pit below ground level.
    - c. Only wood wastes consisting of trees, logs, large brush, stumps, leaves, and untreated lumber may be burned in the pit.
    - d. Leaves, sawdust or other densely packed wood wastes, paper (any type); chemically treated, coated or impregnated wood; or non-wood construction materials shall not be burned. The amount of dirt/soil mixture shall be kept to a minimum.
    - e. No more than one air curtain destructor is allowed to be operated within a ten-acre permitted site at one time. The air curtain destructor must be under the supervision of a trained operator at all times during operation. In the event there is a need for multiple burning pits there shall be a minimum of 1,000 feet between each burning pit.
    - f. Air curtain destructors shall pass an even, non-turbulent flow of air across the top of the pit. Air curtain destructors with an air duct or manifold that has been altered by bends, dents, holes, etc., and are incapable of providing an even and non-turbulent flow of air across the top of the pit shall not be approved for use.
    - g. The air curtain destructor shall be operated in a manner to prevent air, land or water pollution, safety/health hazards, or nuisances.

- h. Tires or other rubber products, plastics, heavy oils or asphaltic base or impregnated materials, shall not be used to start or maintain air curtain destructor operations.
  - i. No smoke emissions exceeding 40 percent opacity may be produced during operation except for a reasonable period during ignition and charging of the pit.
  - j. When the pit is cleared of ash, airborne particulate is to be minimized by wetting or mixing the ashes with dirt.
  - k. Diesel fuel or kerosene may be used to start pit fires.
- (c) Types of burning allowed without a written permit.
- (1) Burning of leaves, limbs, and natural vegetation that may fall on one's property.
    - a. The location for open burning of natural vegetation shall not be less than 50 feet from any structure, and not less than 25 feet from a property line. Provisions shall be made to prevent the fire from spreading to within 50 feet of any structure and 25 feet from a property line.  
  
Exception: The minimum required distance from a structure shall be 25 feet when the pile size is less than three feet in diameter and less than two feet high.
    - b. Fires shall be limited to a size that can be easily controlled under the conditions and with the resources available on the property.
  - (2) Fires for the purpose of keeping warm.
    - a. Warming fires shall be contained within a metal barrel of 55 gallon capacity or less.
    - b. Untreated wood or lumber shall be the only material or substance permitted to be burned.
    - c. The container for the warming fire shall not be less than 50 feet from any structure.
    - d. No on-ground warming fires shall be permitted.

- e. The outside temperature shall be 50 degrees Fahrenheit or less.
- (3) Fires for the purpose of cooking food for human consumption.
- a. Charcoal, wood, and gas grills and other open flame cooking devices shall not be operated on combustible balconies or within ten feet of combustible construction.  
  
Exception: One- and two-family dwellings.
  - b. LP gas grills and burners having an LP gas container with a water capacity greater than 2.5 pounds (one pound LP gas capacity) shall not be located on combustible balconies or within ten feet of combustible construction.  
  
Exception: One- and two-family dwellings.
  - c. Open fires used for cooking food for human consumption shall not be less than 50 feet from any structure and provisions shall be made to prevent the fire from spreading to within 50 feet of any structure.  
  
Exception: The minimum required distance from a structure shall be 25 feet when the pile size is less than three feet in diameter and less than two feet high.
  - d. Fires shall be limited to a size that can be easily controlled under the conditions and with the resources available on the property.
- (4) Recreational fires in commercially available chimineas or outdoor fire places.
- a. Chimineas or outdoor fireplaces shall be used according to their intended use, the manufacturer's recommendations, and the rules set forth below:
    - i. Chimineas or outdoor fireplaces shall have a chimney, screen, or other approved method to arrest sparks.
    - ii. Chimineas or outdoor fireplaces shall not be operated inside structures, on combustible surfaces or balconies, or within 25 feet of combustible construction.

- iii. Chimineas or outdoor fireplaces shall have a noncombustible surface underneath to safely catch sparks or dropping coals and ashes.
    - iv. Untreated wood, lumber, manufactured fire logs, or charcoal shall be the only materials or substances permitted to be burned in chimineas or outdoor fireplaces.
- (5) Bonfires; permit required; no fee.
  - a. No person shall kindle or maintain any bonfire or authorize any such fire to be kindled or maintained on any private or public land unless the location is no less than 50 feet from a structure with a size not to exceed four cubic feet of combustible materials and 100 feet from a structure with a size not to exceed five cubic feet of combustible materials.
  - b. For purposes of clarification, bonfires shall be limited to activities sponsored by civic, educational, religious or other groups for purpose of celebration, etc. An example would be a high school pep rally.
  - c. Bonfires shall be constantly attended by a competent person until such fire is extinguished.
  - d. Such person shall have a garden hose connected to a water supply, or other fire extinguishing equipment, capable of extinguishing the fire, readily available for use.
  - e. Access to communications to the fire department shall be maintained within 500 feet of the bonfire.
- (d) Burning restrictions. The following rules govern all burning in the city, whether or not a written permit is required:
  - (1) The county fire marshal's office may temporarily prohibit any and/or all outdoor fires when atmospheric conditions or local circumstances make such fire hazardous.
  - (2) No burning is permitted on Sundays or nights. Burning at construction sites for the clearing of land for new development shall not be conducted before or after daylight hours.

Exception: Compliant bonfires, cooking fires, and recreational fires in chimineas and outdoor fireplaces may be burned on Sunday and at night provided all other criteria and restrictions are applied.

- (3) No burning is permitted when prevailing winds are predicted to be or are in excess of 15 miles per hour.
- (4) No burning is permitted when the National Weather Service has issued a "Red Flag Warning." Burning shall be limited or prohibited as conditions warrant, when the National Weather Service has issued a "Fire Weather Watch."
- (5) No burning is permitted during an air pollution episode, such as an air pollution alert/warning/emergency declared by proper authorities.
- (6) No burning is permitted when there is fog, rain, or a cloud base that is diffused, or ill defined, or for at least one day following the passage of a cold front.
- (7) No burning of solid waste or household garbage is allowed.
- (8) No burning of any materials that emit a heavy, dark smoke, such as rubber products, oils, roofing material, petroleum-based products, etc.
- (9) No burning when smoke presents a health hazard to persons in the vicinity of the fire. The county fire marshal's office shall be authorized to ban outdoor burning in a limited geographical area upon receipt of medical certification from a resident that the resident has a medical condition(s) adversely affected by smoke.
- (10) No burning shall be conducted within 20 feet of flammable, combustible or explosive materials unless otherwise specified by the fire code.
- (11) Burning of leaves, limbs, etc., that fall on a person's own property may only be conducted during daylight hours.
- (12) Prior notification shall be given to the state forestry commission before any agricultural burning is conducted. The term "agricultural" refers to land zoned RA-200 as defined by the Gwinnett County Zoning Ordinance or land zoned AR as defined by the Zoning Ordinance for the City of Lawrenceville, Georgia.
- (13) All fires shall be constantly attended by a competent person until extinguished.

- (14) There shall be a garden hose connected to a water supply or other fire extinguishing equipment capable of extinguishing the fire readily available for use.
- (e) Summary abatement. The staff of the county fire marshal's office and personnel of the county department of fire and emergency services shall have the authority to summarily abate any condition(s) which are in violation of any of the provisions of this section, and which may constitute an immediate threat to life and property. In no event shall a pit fire or other open burning continue after the county fire marshal's office has revoked the permit.
- (f) Enforcement. The provisions of this section shall be enforced by any designated representative of the county department of fire and emergency services and the Police Chief and such subordinate officers of the police department as are necessary to effectuate the requirements set forth herein.

**Secs. 20-20—20-47. Reserved.**

Section 2:

That paragraph (c)(5)a. of Sec. 20-48 is hereby amended by deleting paragraph (c)(5)a. in its entirety and replacing the language to read as follows:

**ARTICLE III. NOISE CONTROL**

**Sec. 20-48 Generally.**

- (c) *Prohibited conduct.*
  - (5) *Exclusions.* The prohibitions of this section shall not apply to the following:
    - a. Noises and/or sounds made by governmental entities in the normal course of their business;

Section 3:

That paragraph (c)(5)e. of Sec. 20-48 is hereby amended by deleting paragraph (c)(5)e. in its entirety and replacing the language to read as follows:

**ARTICLE III. NOISE CONTROL**

**Sec. 20-48 Generally.**

(c) *Prohibited conduct.*

(5) *Exclusions.* The prohibitions of this section shall not apply to the following:

e. Live music emanating from a governmental or commercial facility located within the Entertainment District, as shown on a map maintained in the office of the City Clerk, heard at a distance less than 1,250 feet from the governmental or commercial facility during the following times: Monday—Thursday from 4 p.m. to 9 p.m. and Friday—Saturday from Noon to 11 p.m.

Section 4:

That paragraph (c)(5)g. of Sec. 20-48 is hereby amended by deleting paragraph (c)(5)g. in its entirety and replacing the language to read as follows:

**ARTICLE III. NOISE CONTROL**

**Sec. 20-48 Generally.**

(c) *Prohibited conduct.*

(5) *Exclusions.* The prohibitions of this section shall not apply to the following:

g. Noises and/or sounds that are permitted by an event/film permit issued by the Police Department and/or Community & Economic Development Department; provided, however, that the producer or coordinator of the event/film must comply with the terms, restrictions and conditions of the permit issued by the city;

Section 5:

Except as specifically amended as set forth above, all other sections, subsections, sub-subsections, paragraphs, etc. of Chapter 20 shall remain in full force and affect.

Section 6:

All ordinances, regulations, or parts of the same in conflict with this Ordinance are hereby rescinded to the extent of said conflict and only to the extent of said conflict.

Section 7:

If any section, article, paragraph, sentence, clause, phrase, or word in this ordinance, or application thereof to any person or circumstance is held invalid or unconstitutional by a Court of competent jurisdiction, such holding shall not affect the validity of the remaining portions of this ordinance; and the City Council hereby declares it would have passed such remaining portions of the ordinance despite such invalidity, which remaining portions shall remain in full force and effect.

Section 8:

This ordinance shall become effective upon its adoption by the City Council.

**IT IS SO ORDAINED** this 26 day of June, 2024.



David R. Still, Mayor

Attest:



Karen Pierce, City Clerk

**RESOLUTION RES-2024-5**

**A RESOLUTION ADOPTING A BUDGET FOR THE FISCAL YEAR 2025  
FOR EACH FUND OF THE CITY OF LAWRENCEVILLE, APPROPRIATING THE AMOUNTS  
SHOWN IN THE FOLLOWING SCHEDULES FOR SELECTED FUNDS; ADOPTING THE ITEMS  
OF ANTICIPATED FUNDING SOURCES BASED ON THE ESTIMATED FISCAL YEAR 2025  
REVENUES; AFFIRMING THAT EXPENDITURES IN EACH DEPARTMENT MAY NOT  
EXCEED APPROPRIATIONS; AND PROHIBITING EXPENDITURES FROM EXCEEDING  
ANTICIPATED FUNDING SOURCES**

**WHEREAS**, the City Council of the City of Lawrenceville is the governing authority of said City; and

**WHEREAS**, the City Manager has presented a Proposed Budget which outlines the City's financial plan for said fiscal year which includes all projected revenues and allowable expenditures; and

**WHEREAS**, advertised public hearings have been held on the Fiscal Year 2025 Proposed Budget, as required by State and Local Laws and regulations; and

**WHEREAS**, the City Council decrees that the Fiscal Year 2025 Proposed Budget specified in Attachment A and changes presented in Attachment E shall in all cases apply to and control the financial affairs of city departments and all other agencies subject to the budgetary and fiscal control of the governing authority; and

**WHEREAS**, the City Council may authorize and enact adjustments and amendments to appropriations as to balance revenues and expenditures; and

**WHEREAS**, each of the funds has a balanced budget, such that Anticipated Funding Sources equal Proposed Expenditures.

**NOW, THEREFORE, BE IT RESOLVED** that this Budget is hereby adopted specifying the Anticipated Funding Sources for each Fund and making Appropriations for Proposed Expenditures to the Departments or Agencies named in each Fund as specified in Attachment A and changes presented in Attachment E; and

**BE IT FURTHER RESOLVED** that the Expenditures of any Operating Budget Fund shall not exceed the Appropriations authorized by this Budget Resolution and any Amendments thereto or Actual Funding Sources, whichever is less; and

**BE IT FURTHER RESOLVED** that all Expenditures of any Operating Budget Fund are subject to the policies as established by the City Council and City Manager; and

**BE IT FURTHER RESOLVED** that the Five-Year Capital Project Plan as specified in Attachment B is accepted and Fiscal Year 2025 projects, as specified herein, with multiple-year project budgets as provided for in Official Code of Georgia Annotated Section § 36-81-3(b)(2); and

**BE IT FURTHER RESOLVED** that transfers of appropriations in any Fund among the various categories within a Department shall require only the approval of the City Finance Director so long as the total budget for each Department is not increased; and

**BE IT FURTHER RESOLVED** that the 2025 Budget shall be amended so as to adapt to changing governmental needs during the fiscal year as follows: Any increase in Appropriations in any Fund for a Department, whether through a change in Anticipated Revenues in any Fund or through a transfer of Appropriations among Departments, shall require the approval of the City Council, except in the following cases where authority is granted to:

**I. The City Manager to:**

- (a) set fee structures provided that they are not restricted by rate setting policies and agreements approved by the City Council;
- (b) transfer funds from Department budgets to establish Capital Projects;
- (c) transfer funds within a capital project from fund or program contingencies and/or savings in existing projects to establish new projects;

**II. The City Finance Director to:**

- (a) allocate funds to the appropriate Department or fund from insurance proceeds and/or from the Casualty and Liability Insurance fund for the replacement or repair of damaged equipment items within existing approved policies and procedures;
- (b) allocate funds to the appropriate Department or Agency or Fund from insurance proceeds and/or from the Worker's Comp and/or Health Insurance funds for the payment of claims as approved by the appropriate adjusting third party management company;
- (c) allocate funds from the established contingency to the appropriate Department or Agency for required expenses as approved by City Council;
- (d) allocate funds from Non-Departmental contingencies and reserves to cover existing obligations/expense in accordance with the intent and

actions of the City Council; however, in no case shall appropriations exceed actual available funding sources; allocate funds from established reserves for leave balances at retirement; transfer funds resulting from salary savings or transfer balances resulting from under expenditures in operating accounts into contingencies or reserves;

- (e) authorize preparation and submission of applications for grant funding; however, acceptance of all grant awards is subject to the approval of the City Council
- (f) adjust revenue and appropriation budgets to capital projects as necessary to incorporate grant awards previously approved by the City Council;
- (g) adjust revenue and appropriation budgets to incorporate collected revenue for confiscated assets as approved by City Council;

**BE IT FURTHER RESOLVED** that such amendments shall be recognized as approved changes to this resolution in accordance with O.C.G.A. 36-81-3. These authorities for transfers of appropriations shall not be used as an alternative to the normal budget process and are intended to be used only when necessary to facilitate the orderly management of projects and/or programs; transfers approved under these authorities may not be used to change the approved scope or the objective of any capital project; and

**BE IT FURTHER RESOLVED** that the compensation for city appointments by the City Council to the various Boards and Authorities has been set. This does not preclude any department from reimbursing those members for actual expenses incurred in the performance of duty as approved by law or City Ordinance or Policy; and

**BE IT FURTHER RESOLVED** that the budget authorizes the City Manager to implement the salary adjustments through either a merit, cost of living, or a combination up to an average increase of five percent for employees with more than six months service with the City; and

**BE IT FURTHER RESOLVED** that the City Council hereby approves allocated positions as outlined in Attachment C and shall approve increases in total City authorized positions. Vacant positions and associated budget may be reallocated within the same Department or reassigned to another Department and filled authorized positions and associated budget may be reassigned at the same grade level between Departments with authorization of the City Manager. All changes are authorized within the pay and classification plan and the City Manager is authorized to approve changes in individual salaries in conformity with the adopted plan and existing City policies.


**BE IT FURTHER RESOLVED** that the new positions in Attachment C are authorized as of July 1, 2024; and

**BE IT FURTHER RESOLVED** that the City Council intends to maintain the City's Maintenance and Operations millage rate at 3.26.

**BE IT FURTHER RESOLVED** that the City Council hereby approves the Initiatives outlined in Attachment D.

**BE IT FURTHER RESOLVED** that the City Council hereby approves the add and delete items listed in Attachment E as part of the Fiscal Year 2025 Budget.

**IT IS SO RESOLVED** this 26<sup>th</sup> day of June 2024

  
\_\_\_\_\_  
David R. Still, Mayor

ATTEST:

  
\_\_\_\_\_  
Karen Pierce, City Clerk

Fiscal Year 2025  
Attachment A  
Proposed Budget

Fund	Department	FY 2025 Proposed Budget
<b>100 - GENERAL FUND</b>		
	110 - LEGISLATIVE	233,086
	132 - CITYMANAGER	3,654,567
	133 - CITYCLERK	495,398
	150 - FINANCE	5,436,904
	151 - PURCHASING	242,940
	153 - DATA PROCESSING	5,100,355
	154 - HUMAN RESOURCES	5,523,869
	157 - ENGINEERING	509,830
	160 - COMMUNITY RELATIONS	2,404,907
	265 - COURT	1,233,418
	320 - POLICE	14,445,390
	410 - PUBLIC WORKS	2,499,908
	420 - STREETS	2,329,439
	498 - DAMAGE PREVENTION	1,434,596
	741 - PLANNING & DEVELOPMENT	981,665
	745 - CODE ENFORCEMENT	700,151
	751 - ECONOMIC DEVELOPMENT	874,650
<b>100 - GENERAL FUND Total</b>		<b>48,101,073</b>
<b>210 - CONFISCATED ASSETS-FEDERAL Total</b>		<b>60,300</b>
<b>211 - CONFISCATED ASSETS-LOCAL Total</b>		<b>10,500</b>
<b>215 - 911 FUND Total</b>		<b>1,333,355</b>
<b>230 - SPECIAL REVENUE FUND Total</b>		<b>819,000</b>
<b>270 - TAX ALLOCATION DISTRICT Total</b>		<b>500,000</b>
<b>275 - HOTEL/MOTEL TAX FUND Total</b>		<b>300,000</b>
<b>280 - RENTAL MV EXCISE TAX FUND Total</b>		<b>140,000</b>
<b>285 - SCHOOL ZONE CAMERAS Total</b>		<b>2,227,000</b>
<b>326 - 2023 SPLOST Total</b>		<b>6,559,140</b>
<b>355 - CAPITAL PROJECTS FUND Total</b>		<b>5,318,060</b>
<b>510 - ELECTRIC FUND OPERATING Total</b>		<b>41,336,500</b>
<b>511 - ELECTRIC FUNC CAPITAL Total</b>		<b>1,715,000</b>
<b>515 - GAS FUND OPERATING Total</b>		<b>56,239,000</b>
<b>516 - GAS FUND CAPITAL Total</b>		<b>3,344,520</b>
<b>540 - SOLID WASTE FUND OPERATING Total</b>		<b>3,110,292</b>
<b>541 - SANITATION CAPITAL Total</b>		<b>28,000</b>
<b>555 - COMMUNITY &amp; ECONOMIC DEVELOPMT Total</b>		<b>1,029,320</b>
<b>560 - STORMWATER FUND OPERATING Total</b>		<b>2,454,550</b>
<b>561 - STORMWATER CAPITAL FUND Total</b>		<b>1,600,000</b>
<b>610 - GROUP HEALTH FUND Total</b>		<b>8,750,000</b>
<b>615 - WORKERS COMPENSATION FUND Total</b>		<b>559,000</b>
<b>620 - FLEET SERVICE FUND Total</b>		<b>2,332,125</b>
<b>625 - RISK MANAGEMENT FUND Total</b>		<b>1,877,046</b>
<b>Grand Total</b>		<b>189,743,781</b>



Fiscal Year 2025  
 Attachmetn B  
 Capital Improvement Plan

Description	Department	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030
<b>General Fund Capital</b>							
Art Commission Projects	Economic Development	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
Golf Cart & Trailer	Special Events	\$8,000					
Locate Equipment	Damage Prevention	\$7,060	\$14,120	\$7,060	\$14,120	\$7,060	\$14,120
Code Enforcement Vehicle	Fleet	\$0					
Department Vehicle	Fleet						
Vehicle Replacement Program	Fleet	\$1,700,000	\$1,740,000	\$1,825,000	\$1,920,000	\$2,005,000	\$2,105,250
2 Mobile Column Lifts	Fleet					\$25,000	
Frame Crane w/Hoist	Fleet						
Metal Brake & Shear	Fleet						
Drive on lifts (2)	Fleet	\$40,000					
Tire Carosel	Fleet		\$50,000				
Floors Epoxy	Fleet			\$75,000			
Air Compressor	Fleet				\$20,000		
Stick Welder	Fleet				\$7,500		
Hydraulic Hose Crimping Machine	Fleet				\$5,000		
New Oil Reel	Fleet				\$20,000		
Drill Press	Fleet				\$10,000		
Compressor for Service Truck	Fleet					\$6,500	
Oversize Tire Changer	Fleet					\$30,000	
Plasma Cutter	Fleet					\$6,000	
Tire Mounter	Fleet						\$12,000
Tire Balancer	Fleet						\$15,000
GIS Strategic Plan & Implementation	IT	\$80,000	\$0	\$0			
IT Compliance Program	IT	\$0	\$75,000	\$75,000	\$0	\$0	\$0
Disaster Recover Site on Azure	IT	\$92,550	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000
Manage Engine Desktop Central for Endpoint Management - Cloud Version	IT	\$45,000	\$45,000	\$45,000	\$45,000	\$45,000	\$45,000
Vulnerability management	IT	\$42,000	\$43,000	\$44,000	\$45,000	\$45,000	\$45,000
Timeclock Plus	IT	\$19,400	\$11,400	\$11,400	\$11,400	\$11,400	\$11,400
TVs and additional workstation for Electric Department EOC/AMI Center	IT	\$6,700					
Document Management System (Laserfiche)	IT	\$79,250	\$51,200	\$52,740	\$54,320	\$55,950	\$57,630
Digital Signs for Facilities	IT	\$106,100	\$7,350	\$7,350	\$7,350	\$7,350	\$7,350
FIRST Project	City Manager	\$500,000	\$0	\$0	\$0	\$0	
Downtown S/W/Brick Impr/Repair	Gov Bldg	\$0	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000
Facilities - HVAC Upgrades (Citywide)	Gov Bldg	\$50,000	\$80,000	\$80,000	\$80,000	\$125,000	\$100,000
Facilities - Grounds Maintenance	Gov Bldg	\$0	\$0	\$0	\$0	\$0	\$0
Facilities - Exterior Maintenance (Citywide)	Gov Bldg	\$0	\$60,000	\$102,000	\$60,000	\$102,000	\$432,000
Facillites - Interior Maintenance (Citywide)	Gov Bldg	\$0	\$40,000	\$40,000	\$40,000	\$40,000	\$590,000
Floor Machine/Equipment	Gov Bldg	\$50,000					\$30,000
Lawrenceville Suwanee Median Landscaping	Streets	\$400,000					
SR316 & Collins Hill	Streets	\$300,000					
Street Resurfacing	Streets	\$1,042,000	\$1,446,160	\$1,485,093	\$1,524,785	\$1,565,280	\$1,606,585
Pavement Condition Assessment	Streets		\$40,000			\$40,000	
On-Call Striping	Streets	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000
Sidewalk Infill, Citywide	Streets	\$100,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000

Fiscal Year 2025  
 Attachmetn B  
 Capital Improvement Plan

Description	Department	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030
<b>Camelot Subdivision (County Reimb)</b>	<b>Streets</b>	\$400,000					
Wood Grinder at Mulch Yard (replacement)	Streets		\$500,000	\$500,000	\$1,000,000	\$1,000,000	
Enclosed Cab Excavator	Streets	\$170,000				\$230,000	
Leaf Truck	Streets		\$300,000	\$223,000			
		\$5,318,060	\$4,873,230	\$4,942,643	\$5,234,475	\$5,716,540	\$5,479,335
<b>ARPA</b>							
<b>Road Resurfacing</b>	<b>Engineering</b>	\$660,000					
		\$660,000	\$0	\$0	\$0	\$0	\$0
<b>Speed Zone Camera Funds</b>							
Speed Detection Devices (LIDAR)	Police	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100
Speed Detection Devices (RADAR)	Police	\$8,849	\$8,849	\$8,849	\$8,849	\$8,849	\$8,849
Body Armor	Police	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000
Taser	Police	\$11,000	\$11,000	\$11,000	\$11,000	\$11,000	\$11,000
Primary Pistols Weapons	Police	\$3,225	\$3,225	\$3,225	\$3,225	\$3,225	\$3,225
Police Radios	Police	\$152,751	\$152,751	\$76,375	\$76,375	\$76,375	\$76,375
Flock Safety Cameras	Police	\$24,000	\$24,000	\$24,000	\$24,000	\$24,000	\$24,000
FATS Machine	Police	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000	\$6,000
SRT Uniforms & Equipment	Police	\$100,000					
FUSUS	Police	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
Axon Body & Vehicle Cameras	Police	\$398,650	\$398,650	\$398,650	\$398,650		
Patrol Rifles	Police	\$0					
		\$815,575	\$715,575	\$639,199	\$639,199	\$240,549	\$240,549
<b>Electric Fund</b>							
Overhead Maintenance	Electric	\$200,000	\$997,750	\$1,027,000	\$1,105,000	\$1,218,750	\$1,332,500
Infrastructure Improvements	Electric	\$200,000	\$1,845,250	\$1,378,000	\$1,283,750	\$2,583,750	\$1,462,500
Underground Maintenance	Electric	\$1,100,000	\$2,229,500	\$2,817,750	\$3,542,500	\$3,965,000	\$4,387,500
New Services (Reimbursable)	Electric	\$0	\$1,107,250	\$650,000	\$650,000	\$975,000	\$1,300,000
Equipment (New and Replacement)	Electric	\$215,000	\$146,250	\$81,250	\$325,000	\$357,500	
		\$1,715,000	\$6,326,000	\$5,954,000	\$6,906,250	\$9,100,000	\$8,482,500
<b>Gas Fund</b>							
Pressure Improvements	Gas	\$0	\$975,000	\$2,150,000	\$2,450,000	\$850,000	\$400,000
Steel Replacement	Gas	\$0	\$0	\$0	\$0	\$0	\$60,000
Plastic Replacement	Gas	\$290,000	\$0	\$0	\$300,000	\$150,000	\$855,000
Meter Change-Outs	Gas	\$514,000	\$514,000	\$257,000	\$257,000	\$257,000	\$257,000
New Mains & Services	Gas	\$2,235,520	\$2,235,520	\$2,302,580	\$2,371,660	\$2,442,780	\$2,516,070
Station Valve Installation	Gas		\$350,000	\$100,000	\$100,000	\$100,000	
Equipment	Gas	\$305,000	\$210,000	\$0	\$160,000	\$571,000	\$330,000
Ground Bed Updates	Gas	\$0	\$65,000	\$65,000			
ERT Replacement	Gas		\$400,000				
Regulator Station Upgrades	Gas					\$650,000	\$650,000
Rectifier Replacements	Gas	\$0	\$25,000	\$25,000			

Fiscal Year 2025  
 Attachmetn B  
 Capital Improvement Plan

Description	Department	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030
GDOT P.I: 0016386 SR 20 Old Conyers Rd.	Gas		\$325,000				
GDOT P.I: 0016387 SR 20 Old Conyers Rd.	Gas		\$175,000				
		\$3,344,520	\$5,274,520	\$4,899,580	\$5,638,660	\$5,020,780	\$5,068,070
<b>Solid Waste Fund</b>							
Recycle Bins	Sanitation		\$34,500				
New Carts	Sanitation		\$171,000				
Cart Tippers	Sanitation	\$28,000					
		\$28,000	\$205,500	\$0	\$0	\$0	\$0
<b>Storm Water Fund</b>							
Storm Water Maintenance	Stormwater	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000
Sandalwood Project	Stormwater						
Vehicle Wash Bay	Stormwater	\$300,000					
		\$1,600,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000	\$1,300,000

Fiscal Year 2025  
Attachment C  
Position Control

General Fund	FY 2025		FY 2024		FY 2023	
	Full-Time	Part-Time	Full-Time	Part-Time	Full-Time	Part-Time
City Manager	5		5		3	1
Clerk	3		3		2	1
Communications	4		4		6	
Damage Prevention	13		13		13	
Economic Development	4		4			
Engineering & Stormwater	6		5		3	
Finance	11	1	11	1	10	1
Customer Service	9		9		10	
Meter (Field Customer Service)	7		7		7	
Human Resources	4		4	1	4	1
IT/Data Processing	18		18		16	
Court	7		7		6	
Police	93	4	93	4	91	4
Purchasing	2		2		2	
Public Works	5		5		5	
Planning & Development	8		8		12	
Code Enforcement	6		6			
Street	22		22		21	
<b>Total</b>	<b>227</b>	<b>5</b>	<b>226</b>	<b>6</b>	<b>211</b>	<b>8</b>
<b>Other Funds</b>						
E-911	13		13		13	
Water	0		0		0	
Electric	19	0	20	0	20	
Gas	43	0	43	0	43	
Sanitation	15		15		12	
Fleet	8	0	8	0	8	
<b>Total</b>	<b>98</b>	<b>0</b>	<b>99</b>	<b>0</b>	<b>98</b>	<b>0</b>
<b>TOTAL</b>	<b>325</b>	<b>5</b>	<b>325</b>	<b>6</b>	<b>309</b>	<b>8</b>

Note: HR PT position removed for FY25

**New Positions:**

- Superintendent (1) - Electric Department
- Distribution Operation Supervisor (1) - Gas Department
- Human Resources Specialist (1) - HR Department
- Tech Support Analyst (1) - Information Technology Department
- Bike Unit Patrol (2) - Police Department
- Facility Maintenance Assistant (2) - Government Buildings Department
- Maintenance Tec Supervisor (1) - Government Buildings Department
- ReCast Program Manager (1) - Grant Funded

Fiscal Year 2025  
Attachment D  
Council Priorities

CITY STRATEGIC PRIORITIES

- Encourage and Support Local Business
- Encourage High-Quality Housing
- Enhance Mobility
- Enhance Public Safety
- Ensure Responsive, Efficient, and Transparent Operations
- Foster Development (including Community Development)
- Infuse and Embrace the Arts

FY 2024 OBJECTIVES

- Expand and Improve walkability throughout the City
  - Sidewalk connections, new multi-purpose trails, biking pedestrian safety projects
  - *Addresses “Enhance Mobility” and Enhance Safety*
- Become a GMA Certified DEI City
  - Capture work in the City to become GMA DEI certified as well as look for new opportunities to expand cultural competency in the City
  - *Addresses “Ensure Responsive, Efficient, and Transparent Operation” and “Foster Community Development”*
- Engage Community to improve Citizen Involvement and Partnerships
  - Good neighbor program for Code Enforcement, recycling campaign with citizens, Student Police Academy, ReCAST initiatives, events, and community arts
  - *Addresses “Foster Community Development” and “Infuse and Embrace the Arts”*
- Enhance Assistance with Homelessness and Mental Health
  - FIRST Transitional Housing project, police co-responder program
  - *Addresses “Enhance Public Safety” and “Foster Community Development”*
- Encourage redevelopment and infill development with an emphasis on safe, livable, and balanced housing
  - *Addresses “Foster Community Development” and “Encourage High-Quality Housing”*
- Encourage small business success
  - Staff reorganization to include a new economic development position, small business forums/expos, incentives for new business in strategic locations
  - *Addresses “Encourages and Supports local businesses”*

Fiscal Year 2025  
Attachment E  
Add / Delete List

<b>Revenue</b>	<b>Amount</b>
Property Tax	(564,650.00)
Personal Property Tax	(60,000.00)
Gas Franchise	(4,000.00)
Telephone Franchise	(25,000.00)
Mixed Drink	(15,000.00)
Insurance Premium	(300,000.00)
Occupation Tax	1,300,000.00
State Fee	300,000.00
Property Tax Penalties	(2,250.00)
Mixed Drink Penalties	(700.00)
Bar Cards	(1,000.00)
Development Fees	(1,000.00)
Pawn Shop Work Permits	(300.00)
Metal Dealer Work Permits	(150.00)
Metal Dealer License	(100.00)
Alcohol license penalties	(1,000.00)
Open Records	(14,000.00)
Reeves Lease	(39,000.00)
Gas Revenue	(250,000.00)
Gas Taps	(30,000.00)
Gas Rebate	(200,000.00)
Employee Contribution	(100,000.00)
Temp Elect Service	(30,000.00)
Net Change	(38,150.00)

<b>Expense</b>	<b>Amount</b>
Salaries	300,000.00
Elections	(24,600.00)
Buildings	(25,000.00)
Gas	(29,000.00)
Electric	(15,000.00)
Solid Waste	(50,000.00)
Fleet	(20,000.00)
Streets	(2,000.00)
Code Enforcement	(3,750.00)
IT	(30,000.00)
Finance	(7,500.00)
Community & Economic Development	(29,000.00)
Planning & Zoning	(11,000.00)
Stormwater	(5,000.00)
Fleet	(10,000.00)
Net Change	38,150.00

**RESOLUTION RES-2024-6**

**RESOLUTION TO APPROVE ACCEPTANCE OF A ROADSIDE ENHANCEMENT AND BEAUTIFICATION COUNCIL GRANT AND TO APPROVE THE EXECUTION OF THE GRANT AGREEMENT WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION FOR THE CONSTRUCTION OF LANDSCAPING AT SR316 AND COLLINS HILL ROAD**

**WHEREAS**, the City of Lawrenceville ("City") applied for and received a Roadside Enhancement and Beautification Council Grant ("Grant") in the amount of \$50,000.00, for the construction of attractive, maintainable and safe landscaping at SR 316 and Collins Hill Road; and

**WHEREAS**, the Project is estimated to cost \$225,000; and

**WHEREAS**, the City is providing the remaining construction costs of approximately \$175,000.00; and

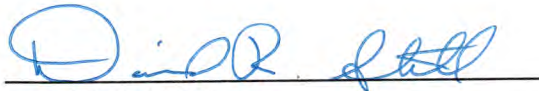
**WHEREAS**, in order to receive the Grant, the City is required to enter into the attached Grant Agreement with Georgia Department of Transportation; and

**WHEREAS**, City Council desires to accept the Grant and to enter into the Grant Agreement;

**NOW THEREFORE BE IT RESOLVED** by the City Council of the City of Lawrenceville, Georgia that:

1. Acceptance of the Grant is hereby approved; and
2. The City's portion Project in the amount of \$175,000.00 is hereby approved; and
3. The attached Grant Agreement is hereby approved; and
4. The City Manager is hereby authorized to execute the attached Grant Agreement for the Project in the amount of \$50,000.00; and
5. That the City Attorney and the City Manager are hereby authorized to make such minor revisions to the Grant Agreement and to take such other actions as may be deemed necessary to effectuate the intent of this resolution.

**IT IS SO RESOLVED** this 26 day of June, 2024

  
David R. Still, Mayor

ATTEST:

  
Karen Pierce, City Clerk



**GEORGIA DEPARTMENT OF TRANSPORTATION**  
**Roadside Enhancement and Beautification Council Grant**  
**Agreement**

**Contract Number: 48400-410-IGOMT2402493**

**Maximum Grant Award Amount: \$50,000.00**

This AGREEMENT is made and entered into on 06/26/2024 (hereinafter referred to as "Effective Date") by and between the **Georgia Department of Transportation**, an agency of the State of Georgia, located at One Georgia Center, 600 West Peachtree Street, Northwest, Atlanta, Georgia 30308 (hereinafter referred to as "GDOT" or the "Department");

**AND**

**City of Lawrenceville**  
**435 W Pike St**  
**Lawrenceville, GA 30046**

an entity that is qualified to receive the funding (hereinafter referred to as the "Grantee") (The Department and the Grantee are sometimes referred to herein individually as a "Party" and collectively as the "Parties").

**WITNESSETH:**

WHEREAS, the Grantee has submitted to GDOT an application to obtain funding from the Roadside Enhancement and Beautification Council Grant (hereinafter referred to as "Application"), which is attached hereto as Attachment A and is incorporated by reference; and

WHEREAS, The Grantee desires to obtain funding for a landscape and beautification project, as further described in its Application (hereinafter sometimes referred to as the "Project"); and

WHEREAS, the Department desires to provide funding for the Project to the Grantee.

NOW, THEREFORE, in consideration of these premises and the mutual promises and agreements hereinafter set forth, the Parties hereby agree as follows:

1. Scope. The Grantee agrees to provide, install and maintain the Project in accordance with the proposed project description in its Application, subject to reasonable adjustments or modifications as a result of review by the Department and GDOT policy.

2. The Grantee shall abide by the following as it relates to the Project:
  - a. The Special Encroachment Permit, to be issued at a later time, upon GDOT approval of Grantee's Special Encroachment Permit application;
  - b. The Mowing and Maintenance Agreement executed by the Parties in conjunction with the GDOT's issuance of Grantee's Special Encroachment Permit;
  - c. The **GDOT Policy for Landscaping and Enhancements** (Policy No. 6755-9) found at <http://mygdot.dot.ga.gov/applications/gdotpubs/PolicyandProcedures/06C734F6-60E3-49FC-E309-C753D2FC62B1.pdf>;
  - d. The USDOT/FHWA, A Manual on Uniform Traffic Control Devices – current edition;
  - e. The GDOT Standard Specifications for Construction of Transportation Systems, current edition, Section 202—Random Clearing and Grubbing, Section 700—Grassing, Section 702—Vine, Shrub, and Tree Planting, which are attached hereto as Attachments E, F and G, respectively, and incorporated by reference as if fully set forth herein.
  - f. ANSI Z 60.1 American Standard for Nursery Stock – current edition;
  - g. GDOT Scenic Byway Program and Corridor Management Plan Guidelines and Requirements, as applicable found at <http://www.dot.ga.gov/DriveSmart/Travel/ScenicByways/BywayDesignationGuide.pdf>
  - h. The Americans with Disabilities Act, 42 U.S.C. § § 12101 to 12213; and
  - i. Georgia Security and Immigration Compliance Act, O.C.G.A. § 13-10-91.
3. Landscape Guidelines. Grantee shall follow GDOT's Policy for Landscaping and Enhancements (Policy No. 6755-9) and/or other directives given by the Landscape Architecture unit of GDOT's Office of Maintenance.
4. The Grantee hereby certifies that all requirements of the Application and this Agreement are understood, and that all information provided in the Application is true and correct, and represents the desires of the local government entity where the Project will be installed.
5. All obligations of the Grantee under this Agreement will be performed by the Grantee or a subcontractor of the Grantee. No work will be completed by GDOT.
6. Term of Agreement: This Project must be completed by the Grantee within thirty (30) months from the Effective Date. Completion is defined as the final inspection and acceptance of the Project by the Department Permit Inspector, as per Department Policy 6755-11. The Policy will be made available upon request.
7. Award Amount: Grantee's budget is attached hereto as Attachment B and incorporated herein by reference. The Department agrees to pay the Grantee a sum of \$50,000.00 (hereinafter, "Award Amount"), subject to the terms and conditions set forth herein. The Award Amount is the maximum amount that the Department will be obligated to pay, regardless of whether the Grantee's budget for the Project (Attachment B) exceeds the Award Amount. Payment of the Award Amount will be made to the Grantee on a reimbursement basis to offset costs incurred by Grantee for landscaping, including plant materials, and associated installation costs on the Project. In addition, the Grantee agrees that no part of the Award Amount will be used to pay indirect costs. In no instance shall the Department be obligated to pay in excess of the Award

Amount. If the Grantee completes the work for less than the Award Amount, the Department is only obligated to reimburse the actual amount expended for the Project.

8. Invoice/Reimbursement Payment:

- a. To claim reimbursement, Grantee must first submit the following documents to the Department within ninety (90) calendar days after Project completion to the "Bill To" address in the purchase order. :
    - Encroachment Permit
    - Final, approved landscape plans on 8 ½ x 11 sheets of paper
    - Final Project budget
    - Completed and signed E-Verify Form(s), including Grantee, Contractor, and Subcontractors (Attachment D)
  - b. Upon timely submission of the documents listed in subsection (a) of this Section 8, the Grantee shall be allowed to submit an invoice, using the sample Invoice and Invoice Cover Letter form attached to this Agreement (Attachment C), to the Department for reimbursement only after the Project is complete.
  - c. The Department will pay the Grantee upon receipt of a properly prepared invoice using the Invoice and Invoice Cover Letter form (Attachment C). The invoice must include evidence that the Project is complete (e.g., digital "Before and After" pictures, etc.) and all supporting invoices and receipts. Please return the invoice promptly to expedite payment.
  - d. All requests for payment shall be subject to Grantee not being declared in default of its obligations under the specific conditions in paragraph 13, below.
9. Records: The Grantee shall maintain all books, documents, papers, accounting records, and other evidence pertaining to costs incurred on the Project and shall make such material available for inspection by the Department and any reviewing agencies at all reasonable times during the period of this Agreement and for three (3) years from the date of final payment under the Agreement. The Grantee shall furnish copies of such documentation upon request. Furthermore, the Grantee understands that it is subject to, and shall comply with, the Georgia Open Records Act at O.C.G.A. 50-18-70 et seq.

The Grantee agrees that the provisions of this paragraph 9 shall be included in any contracts it may make with any subcontractor, assignee, or transferee.

10. Usage: The Grantee agrees the Department may photograph the Project and display or use any information submitted by the Grantee under this Agreement without payment to the Grantee other than what is set forth in paragraph 7 herein. Grantee shall work with the Department's Office of Communication team, upon request.
11. Notices: Any notice under this Agreement shall be deemed duly given if delivered by hand (against receipt) or if sent by registered or certified mail – return receipt requested, to a Party hereto at the address set forth below or to such other address as the Parties may designate by notice from time to time in accordance with this Agreement.

If to the Department: Georgia Department of Transportation  
600 West Peachtree Street  
Atlanta, GA 30308  
Attn: Office of Maintenance

If to the Grantee: The City of Lawrenceville  
435 W Pike St  
Lawrenceville, GA 30046  
Attn: Mayor David Still

12. Indemnification: The Grantee shall be responsible for any and all damages to property or persons and shall save harmless the Department, its officers, agents, and employees from all suits, claims, actions or damages of any nature whatsoever resulting from the negligence of the Grantee or the Grantee's agent in the performance of work under this Grant Award and work related to the Project.

The Grantee hereby indemnifies and hold harmless the Department, its officers, agents, and employees from and against any and all claims, damages, losses and expenses arising out of the Grantee's or Grantee's agent's negligent acts, errors or omissions in the performance of this Agreement.

These indemnities shall not be limited by reason of the listing of any insurance coverage.

13. Reallocation of funds: The occurrence of any one or more of the following events shall constitute cause for the Department to declare the Grantee in default of its obligations under the Agreement and will result in the withdrawal of the Grant Award Amount and the reallocation of funds to another grantee:
- The Grantee fails to return the signed agreement within forty-five (45) days of notice of award letter;
  - The Grantee fails to obtain the Special Encroachment Permit within one (1) year from the Effective Date;
  - The Grantee's Special Encroachment Permit status changes to cancelled, without a timely valid renewal or extension;
  - The Grantee fails to complete the Project within twelve (12) months of the date the Special Encroachment Permit is approved; or,
  - The Grantee fails to request reimbursement of funds within ninety (90) calendar days after Project completion.

To the extent that any of the above listed events occur, the Grant Award Amount will no longer be available to the Grantee.

14. Amendment: The Parties recognize and agree that it may be necessary or convenient for the Parties to amend this Agreement so as to provide for the orderly implementation of all the undertakings described herein. The Parties, thus, agree to cooperate fully in connection with such amendments if and as necessary. However, no change, modification, or amendment to this Agreement shall be effective unless the same is reduced to writing and signed by the Parties hereto.

15. Governing Law: This Agreement is executed in the State of Georgia, and all matters pertaining

to the validity, construction, interpretation and effect of this Agreement shall be governed by the laws of the State of Georgia.

16. Assignment: Except as herein provided, the Parties hereto will not transfer or assign all or any of their rights, titles or interests hereunder or delegate any of their duties or obligations hereunder without the prior written consent of the other Party, which consent will not be unreasonably withheld.
17. Non-Waiver: No failure of either Party to exercise any right or power given to such Party under this Agreement, or to insist upon strict compliance by the other Party with the provisions of this Agreement, and no custom or practice of either Party at variance with the terms and conditions of this Agreement, will constitute a waiver of either Party's right to demand exact and strict compliance by the other Party with the terms and conditions of this Agreement.
18. Continuity: Each of the provisions of this Agreement will be binding upon and inure to the benefit and detriment of GDOT and Grantee and the successors and assigns of GDOT and Grantee.
19. Time of the Essence: All time limits stated herein are of the essence of this Agreement.
20. Preamble, Recitals and Exhibits: The Preamble, Recitals and Exhibits hereto are a part of this Agreement and are incorporated herein by reference.
21. Severability: If any one or more of the provisions contained herein are for any reason held by any court of competent jurisdiction to be invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability will not affect any other provision hereof, and this Agreement will be construed as if such invalid, illegal or unenforceable provision had never been contained herein.
22. Captions: The brief headings or titles preceding each provision hereof are for purposes of identification and convenience only and should be completely disregarded in construing this Agreement.
23. Interpretation: Should any provision of this Agreement require judicial interpretation, it is agreed that the court interpreting or construing the same shall not apply a presumption that the terms hereof shall be more strictly construed against one Party by reason of the rule of construction that a document is to be construed more strictly against the Party who itself or through its agent prepared the same, it being agreed that the agents of all Parties have participated in the preparation hereof.
24. Execution: Each of the individuals executing this Agreement represents that they are authorized to execute this Agreement on behalf of their respective entities.
25. No Third-Party Beneficiaries: Nothing contained herein shall be construed as conferring upon or giving to any person, other than the Parties hereto, any rights or benefits under or by reason of this Agreement.

26. Attachments:

- A. Scope of Project
  - A.1. Landscape Plans
  - A.2. Stipulations
- B. Budget
  - B.1. Budget
  - B.2. Grant Amount Adjustment Notes
- C. Sample Invoice & Cover Letter
- D. E-Verify Forms
- E. Section 202
- F. Section 700
- G. Section 702

27. Entire Agreement: This Agreement constitutes the entire agreement and understanding between the Parties hereto and replaces, cancels, and supersedes any prior agreements, understandings relating to the subject matter hereof; and all prior representations, agreements, understandings, and undertakings between the Parties hereto with respect to the subject matter hereof are merged herein.

***This remainder of this page intentionally left blank.  
The signature page is on the following page.***

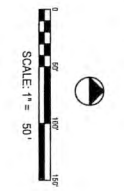
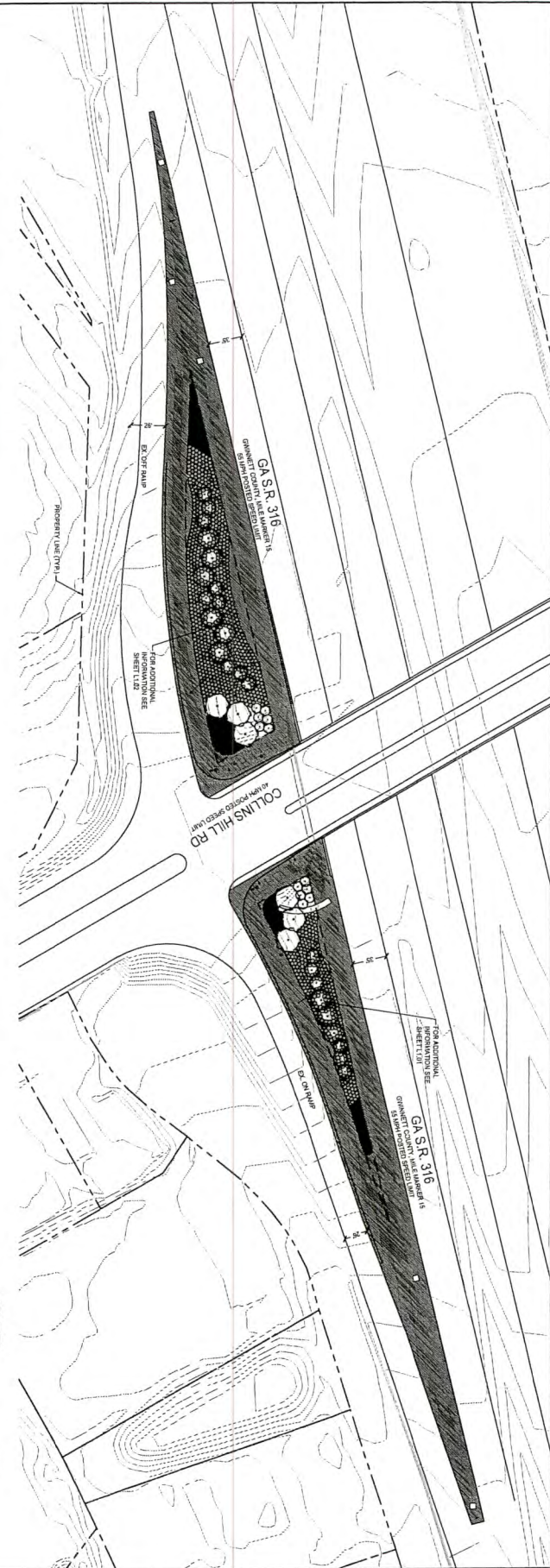
IN WITNESS WHEREOF, the Parties have caused the authorized representatives of each to execute this Agreement on the day and year first above written.

GEORGIA DEPARTMENT OF TRANSPORTATION	City of Lawrenceville
By: _____ COMMISSIONER Date: _____	By: _____  Title: _____
ATTEST  _____ Treasurer	ATTEST:  Title: _____  FEI #

**ATTACHMENT A**  
A.1 LANDSCAPE PLANS



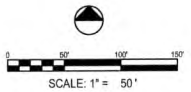
NOTE: THERE ARE NO EXISTING BILLBOARDS WITHIN 500' OF SITE.



	DRAFT NOT FOR CONSTRUCTION	DRAFT NOT FOR CONSTRUCTION	SR 316/COLLINS HILL ROAD LANDSCAPE LAWRENCEVILLE, GA	CITY OF LAWRENCEVILLE
	PROJECT NO.: 2019-001 DATE: 01/15/2020 DRAWN BY: JLD CHECKED BY: JLD SCALE: 1" = 50' SHEET NO.: L1.00			OVERALL LANDSCAPE PLAN



NOTE: THERE ARE NO EXISTING BILLBOARDS WITHIN 500' OF SITE.



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SPACES FOR LIFE.

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NOT FOR  
CONSTRUCTION

DRAFT  
NOT FOR  
CONSTRUCTION

SR 316/COLLINS HILL ROAD LANDSCAPE

CITY OF LAWRENCEVILLE  
LAWRENCEVILLE

SUBMITTALS / REVISIONS

NO.	DATE	DESCRIPTION

SHEET TITLE  
**OVERALL LANDSCAPE PLAN**

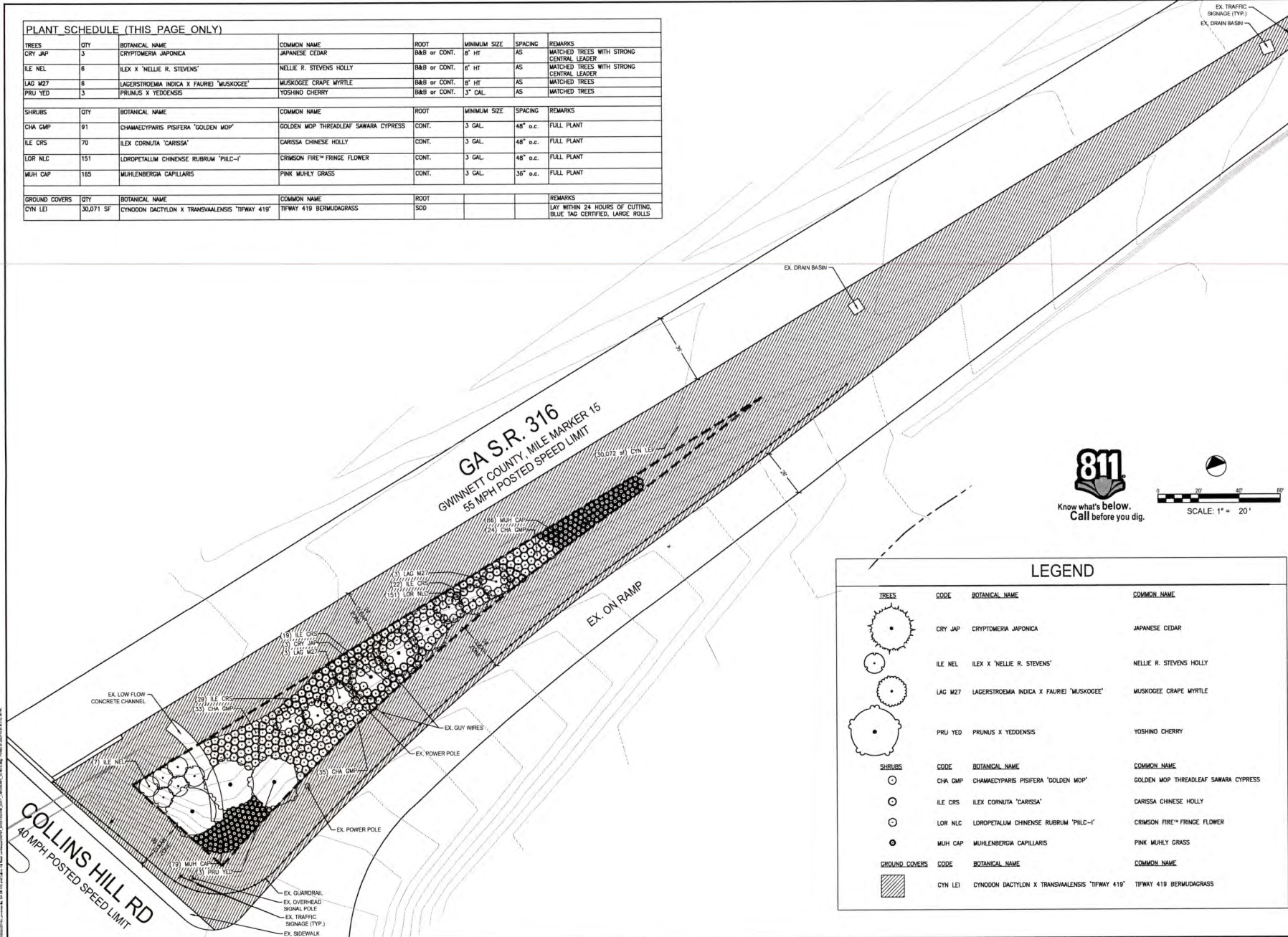
PROJECT NO. 23148	DATE 10/18/2023
DRAWN BY MTC	SCALE 1" = 50'
CHECKED BY WA	SHEET NO.

L1.00

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PLANT SCHEDULE (THIS PAGE ONLY)							
TREES	QTY	BOTANICAL NAME	COMMON NAME	ROOT	MINIMUM SIZE	SPACING	REMARKS
CRY JAP	3	CRYPTOMERIA JAPONICA	JAPANESE CEDAR	B&B or CONT.	8' HT	AS	MATCHED TREES WITH STRONG CENTRAL LEADER
ILE NEL	6	ILEX X 'NELLIE R. STEVENS'	NELLIE R. STEVENS HOLLY	B&B or CONT.	8' HT	AS	MATCHED TREES WITH STRONG CENTRAL LEADER
LAG M27	6	LADERSTROEMIA INDICA X FAURIEI 'MUSKOGEE'	MUSKOGEE CRAPE MYRTLE	B&B or CONT.	8' HT	AS	MATCHED TREES
PRU YED	3	PRUNUS X YEDOENSIS	YOSHINO CHERRY	B&B or CONT.	3" CAL.	AS	MATCHED TREES
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	ROOT	MINIMUM SIZE	SPACING	REMARKS
CHA GMP	91	CHAMAECYPARIS PISIFERA 'GOLDEN MOP'	GOLDEN MOP THREADLEAF SAWARA CYPRESS	CONT.	3 GAL.	48" o.c.	FULL PLANT
ILE CRS	70	ILEX CORNUTA 'CARISSA'	CARISSA CHINESE HOLLY	CONT.	3 GAL.	48" o.c.	FULL PLANT
LOR NLC	151	LOROPETALUM CHINENSE RUBRUM 'PILC-I'	CRIMSON FIRE™ FRINGE FLOWER	CONT.	3 GAL.	48" o.c.	FULL PLANT
MUH CAP	185	MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS	CONT.	3 GAL.	36" o.c.	FULL PLANT
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	ROOT	MINIMUM SIZE	SPACING	REMARKS
CYN LEI	30,071 SF	CYNODON DACTYLON X TRANSVALENSIS 'TIFWAY 419'	TIFWAY 419 BERMUDAGRASS	SOD			LAY WITHIN 24 HOURS OF CUTTING, BLUE TAG CERTIFIED, LARGE ROLLS



LEGEND			
<b>TREES</b>			
	CODE	BOTANICAL NAME	COMMON NAME
	CRY JAP	CRYPTOMERIA JAPONICA	JAPANESE CEDAR
	ILE NEL	ILEX X 'NELLIE R. STEVENS'	NELLIE R. STEVENS HOLLY
	LAG M27	LADERSTROEMIA INDICA X FAURIEI 'MUSKOGEE'	MUSKOGEE CRAPE MYRTLE
	PRU YED	PRUNUS X YEDOENSIS	YOSHINO CHERRY
<b>SHRUBS</b>			
	CODE	BOTANICAL NAME	COMMON NAME
	CHA GMP	CHAMAECYPARIS PISIFERA 'GOLDEN MOP'	GOLDEN MOP THREADLEAF SAWARA CYPRESS
	ILE CRS	ILEX CORNUTA 'CARISSA'	CARISSA CHINESE HOLLY
	LOR NLC	LOROPETALUM CHINENSE RUBRUM 'PILC-I'	CRIMSON FIRE™ FRINGE FLOWER
	MUH CAP	MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS
<b>GROUND COVERS</b>			
	CODE	BOTANICAL NAME	COMMON NAME
	CYN LEI	CYNODON DACTYLON X TRANSVALENSIS 'TIFWAY 419'	TIFWAY 419 BERMUDAGRASS

**LOSE DESIGN**  
SPACES FOR LIFE.

DRAFT NOT FOR CONSTRUCTION

DRAFT NOT FOR CONSTRUCTION

SR 316/COLLINS HILL ROAD LANDSCAPE

CITY OF LAWRENCEVILLE

SUBMITTALS / REVISIONS	
NO.	DATE / DESCRIPTION

SHEET TITLE  
LANDSCAPE PLAN

PROJECT NO.	DATE
23148	10/19/2023
DRAWN BY	SCALE
MTC	1" = 20'
CHECKED BY	
WA	
SHEET NO.	

L1.01

**ATTACHMENT A**  
**A.2 STIPULATIONS**

No stipulations.

**ATTACHMENT B**

**B.1. BUDGET**



**LAWRENCEVILLE GA SR 316 AND COLLINS HILL RD LANDSCAPE**

OPINION OF PROBABLE COST  
11/1/2023

Project No.23148

DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	SUBTOTAL	NOTES
<b>CONSTRUCTION COSTS</b>					
<b>GENERAL SITE</b>					
DEMOLITION/ WASTE DISPOSAL	1	LS	\$10,000.00	\$ 10,000.00	BUDGET
BED PREP	25,000	SF	\$1.00	\$ 25,000.00	BUDGET
TRAFFIC CONTROL	1	LS	\$8,000.00	\$ 8,000.00	BUDGET
<b>GENERAL SITE SUBTOTAL</b>				<b>\$ 43,000.00</b>	
<b>LANDSCAPE</b>					
JAPANESE CEDAR	9	EA	\$750.00	\$ 6,750.00	BUDGET, INCLUDES INSTALL
NELLIE R. STEVENS HOLLY	13	EA	\$750.00	\$ 9,750.00	BUDGET, INCLUDES INSTALL
MUSKOGEE CRAPE MYRTLE	15	EA	\$750.00	\$ 11,250.00	BUDGET, INCLUDES INSTALL
YOSHINO CHERRY	6	EA	\$750.00	\$ 4,500.00	BUDGET, INCLUDES INSTALL
GOLDEN MOP	254	EA	\$45.00	\$ 11,430.00	BUDGET, INCLUDES INSTALL
CARISSA HOLLY	306	EA	\$45.00	\$ 13,770.00	BUDGET, INCLUDES INSTALL
CRIMSON FIRE FRINGE FLOWER	517	EA	\$45.00	\$ 23,265.00	BUDGET, INCLUDES INSTALL
PINK MUHLY GRASS	422	EA	\$40.00	\$ 16,880.00	BUDGET, INCLUDES INSTALL
SOD	59,126	SF	\$1.00	\$ 59,126.00	BUDGET, INCLUDES INSTALL
<b>AMENITIES SUBTOTAL</b>				<b>\$ 128,971.00</b>	
CONSTRUCTION COST SUBTOTAL				\$ 171,971.00	
CONTRACTOR FEES & OVERHEAD (10% SD)				\$ 17,197.10	
DESIGN CONTINGENCY (20% SD)				\$ 34,394.20	
CONSTRUCTION COST TOTAL				\$ 223,562.30	
<b>RECOMMENDED CONSTRUCTION COST BUDGET</b>				<b>\$ 225,000.00</b>	

**NOTES:**

1. Unless otherwise noted, all unit prices reflect the furnishing of all labor, mobilization, materials, supplies, services, etc. and all items of cost, overhead, profit, insurance, taxes, fees permits, etc.

**ATTACHMENT B**

**B.2. GRANT AMOUNT ADJUSTMENT NOTES**

No grant amount adjustment.

**ATTACHMENT C**  
SAMPLE INVOICE & COVER LETTER

**INVOICE COVER LETTER FOR REIMBURSEMENT**

**To: Georgia Department of Transportation:**

**Email:** APInvoices@dot.ga.gov **\*\*Preferred Method\*\***

**Mail:** Georgia Department of Transportation

PO Box 746459

Atlanta, GA 30374-6459

404-631-1397

**CONTRACT ID # 48400-410-IGOMT2402493**

**P.O. # \_\_\_\_\_**

Project No.: A000848

P.I. No.: A000848

Total Grant Amount: \$ \_\_\_\_\_

Org ID # 4846200000



Please provide reimbursement for our according to the charging information above in the amount of :

Invoice No. \_\_\_\_\_

County: \_\_\_\_\_

F.E.I.N. \_\_\_\_\_

\_\_\_\_\_

Submitted By GRANTEE  
ADDRESS \_\_\_\_\_

CITY STATE ZIP CODE

By signature below, I hereby certify that the above amount, supported by the attached detail statements, is for work completed on the above project. Reimbursement for the GDOT share of this invoice is requested.

\_\_\_\_\_

Date:

\_\_\_\_\_

Contact Signature – Grantee

**Attachment D**

GEORGIA SECURITY AND IMMIGRATION COMPLIANCE ACT AFFIDAVIT/



**GEORGIA SECURITY AND IMMIGRATION COMPLIANCE ACT AFFIDAVIT**

Contractor's Name:	
Address:	
Solicitation/Contract No.:	
Solicitation /Contract Name:	

**CONTRACTOR AFFIDAVIT**

By executing this affidavit, the undersigned Contractor verifies its compliance with O.C.G.A. § 13-10-91, stating affirmatively that the individual, entity or corporation which is engaged in the physical performance of services on behalf of the Georgia Department of Transportation has registered with, is authorized to use and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program, in accordance with the applicable provisions and deadlines established in O.C.G.A. § 13-10-91.

Furthermore, the undersigned Contractor will continue to use the federal work authorization program throughout the contract period and the undersigned Contractor will contract for the physical performance of services in satisfaction of such contract only with sub-Contractors who present an affidavit to the Contractor with the information required by O.C.G.A. § 13-10-91(b). Contractor hereby attests that its federal work authorization user identification number and date of authorization are as follows:

\_\_\_\_\_  
Federal Work Authorization User Identification Number  
(EEV/E-Verify Company Identification Number)

\_\_\_\_\_  
Date of Authorization

\_\_\_\_\_  
Name of Contractor

**I hereby declare under penalty of perjury that the foregoing is true and correct**

\_\_\_\_\_  
Printed Name (of Authorized Officer or Agent of  
Contractor)

\_\_\_\_\_  
Title (of Authorized Officer or Agent of  
Contractor)

\_\_\_\_\_  
Signature (of Authorized Officer or Agent)  
SUBSCRIBED AND SWORN BEFORE ME ON

\_\_\_\_\_  
Date Signed

\_\_\_\_\_  
Notary Public

[NOTARY SEAL]

My Commission Expires: \_\_\_\_\_



**GEORGIA SECURITY AND IMMIGRATION COMPLIANCE ACT AFFIDAVIT**

Contractor's Name:	
Sub-Contractor's (Your) Name	
Sub-Contractor's Address:	
Solicitation/Contract No.:	
Solicitation /Contract Name:	

**SUB-CONTRACTOR AFFIDAVIT**

By executing this affidavit, the undersigned subcontractor verifies its compliance with O.C.G.A. §13-10-91, stating affirmatively that the individual, entity or corporation which is engaged in the physical performance of services under a contract with \_\_\_\_\_ (name of Contractor) on behalf of the Georgia Department of Transportation has registered with, is authorized to use and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program, in accordance with the applicable provisions and deadlines established in O.C.G.A. § 13-10-91.

Furthermore, the undersigned subcontractor will continue to use the federal work authorization program throughout the contract period and the undersigned subcontractor will contract for the physical performance of services in satisfaction of such contract only with sub-subcontractors who present an affidavit to the subcontractor with the information required by O.C.G.A. § 13-10-91(b).

Additionally, the undersigned subcontractor will forward notice of the receipt of an affidavit from a sub-subcontractor to the contractor within five business days of receipt. If the undersigned subcontractor receives notice that a sub-subcontractor has received an affidavit from any other contracted sub-subcontractor, the undersigned subcontractor must forward, within five business days of receipt, a copy of the notice to the contractor. Subcontractor hereby attests that its federal work authorization user identification number and date of authorization are as follows:

\_\_\_\_\_  
Federal Work Authorization User Identification Number  
(EEV/E-Verify Company Identification Number)

\_\_\_\_\_  
Date of Authorization

\_\_\_\_\_  
Name of Sub-Contractor

**I hereby declare under penalty of perjury that the foregoing is true and correct**

\_\_\_\_\_  
Printed Name (of Authorized Officer or Agent of Contractor)

\_\_\_\_\_  
Title (of Authorized Officer or Agent of Contractor)

\_\_\_\_\_  
Signature (of Authorized Officer or Agent)

\_\_\_\_\_  
Date Signed

SUBSCRIBED AND SWORN BEFORE ME ON

\_\_\_\_\_  
Notary Public

[NOTARY SEAL]

My Commission Expires: \_\_\_\_\_

**ATTACHMENT E**

SECTION 202

## Section 202—Random Clearing and Grubbing

---

### 202.1 General Description

This work includes clearing and grubbing borrow and material pits. See Subsection 107.23. It also includes such ditch inlets, outlets, channel changes, and easement areas where clearing and grubbing are required but not shown on the plans.

#### 202.1.01 Definitions

General Provisions 101 through 150.

#### 202.1.02 Related References

##### A. Standard Specifications

Section 107—Legal Regulations and Responsibility to the Public

Section 201—Clearing and Grubbing Right-of-Way

##### B. Referenced Documents

General Provisions 101 through 150.

#### 202.1.03 Submittals

General Provisions 101 through 150.

### 202.2 Materials

General Provisions 101 through 150.

#### 202.2.01 Delivery, Storage, and Handling

General Provisions 101 through 150.

### 202.3 Construction Requirements

#### 202.3.01 Personnel

General Provisions 101 through 150.

#### 202.3.02 Equipment

General Provisions 101 through 150.

#### 202.3.03 Preparation

General Provisions 101 through 150.

#### 202.3.04 Fabrication

General Provisions 101 through 150.

#### 202.3.05 Construction

Perform the work according to Section 201.

#### 202.3.06 Quality Acceptance

General Provisions 101 through 150.

## Section 202 — Random Clearing and Grubbing

---

### 202.3.07 Contractor Warranty and Maintenance

General Provisions 101 through 150.

### 202.4 Measurement

The area of completed and accepted clearing and grubbing is measured in acres (hectares). Only the area cleared and grubbed as shown on the Plans or as designated by the Engineer is measured.

The Department will make no separate payment for removing grass, weeds, debris, small underbrush, other vegetation from cultivated lands, and isolated trees or stumps. Include the cost for removing these items in the price bid for other Pay Items.

#### 202.4.01 Limits

General Provisions 101 through 150.

### 202.5 Payment

The Department will pay for Clearing and Grubbing and Clearing at the Contract Unit Price per acre (hectare), which is full compensation for all work specified.

Payment will be made under:

<b>Item No. 202</b>	Clearing and grubbing	Per acre (hectare)
<b>Item No. 202</b>	Clearing	Per acre (hectare)

#### 202.5.01 Adjustments

General Provisions 101 through 150.

**ATTACHMENT F**

SECTION 700

## Section 700—Grassing

### 700.1 General Description

This work includes preparing the ground, furnishing, planting, seeding, fertilizing, sodding, and mulching disturbed areas within the Right-of-Way limits and easement areas adjacent to the right-of-way as shown on the plans except as designated by the Engineer to remain natural.

#### 700.1.01 Definitions

General Provisions 101 through 150.

#### 700.1.02 Related References

##### A. Standard Specifications

Section 160—Reclamation of Material Pits and Waste Areas

Section 163—Miscellaneous Erosion Control Items

Section 718—Wood Fiber

Section 822—Emulsified Asphalt

Section 882—Lime

Section 890—Seed and Sod

Section 891—Fertilizers

Section 893—Miscellaneous Planting Materials

Section 895—Polyacrylamide

##### B. Referenced Documents

QPL 33

QPL 84

#### 700.1.03 Submittals

Submit manufacturer's product expiration date along with written instructions to ensure proper application, safety, storage, and handling of Polyacrylamide products used in the work.

### 700.2 Materials

Use materials that meet the requirements of the following specifications:

Material	Section
Wood Fiber Mulch	718.2
Agricultural Lime	882.2.01
Seed	890.2.01
Sod	890.2.02
Fertilizer	891.2.01
Plant Topsoil	893.2.01
Mulch	893.2.02
Inoculants	893.2.04

## Section 700 — Grassing

Material	Section
Tackifiers	QPL 33
Anionic Polyacrylamide	QPL 84 & Section 895

### A. Seeds

Whenever seeds are specified by their common names, use the strains indicated by their botanical names.

### B. Water

Obtain the water for grassing from an approved source. Use water free of harmful chemicals, acids, alkalies, and other substances that may harm plant growth or emit odors. Do not use salt or brackish water.

### C. Agricultural Lime

Agricultural lime rates will be based on a laboratory soil test report. The Contractor is responsible for ensuring the tests are performed by an approved laboratory. Provide a copy of test results to the Engineer. Refer to Section 882 Lime and GSP 18 of the Sampling and Testing Inspection manual for additional information on rates, use, handling and sampling procedures.

### D. Fertilizer Mixed Grade

Fertilizer analysis and rates will be based on a laboratory soil test report. The Contractor is responsible for ensuring the tests are performed by an approved laboratory. Provide a copy of test results to the Engineer. Refer to Section 891 Fertilizer and GSP 18 of the Sampling and Testing Inspection manual for additional information on rates, use, handling and sampling procedures.

### E. Mulch

Use straw or hay mulch according to Subsection 700.3.05.G.

Use wood fiber mulch in hydroseeding according to Subsection 700.3.05.F.1.

## 700.2.01 Delivery, Storage, and Handling

General Provisions 101 through 150.

## 700.3 Construction Requirements

### 700.3.01 Personnel

General Provisions 101 through 150.

### 700.3.02 Equipment

Use grassing equipment able to produce the required results.

Never allow the grading (height of cut) to exceed the grassing equipment's operating range.

#### A. Mulch Material Equipment

Use mulching equipment that uniformly cuts the specified materials into the soil to the required control depth.

#### B. Hydroseeding Equipment

For hydroseeding equipment, see Subsection 700.3.05.F.

### 700.3.03 Preparation

General Provisions 101 through 150.

### 700.3.04 Fabrication

General Provisions 101 through 150.

## Section 700 — Grassing

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### 700.3.05 Construction

Follow the planting zones, planting dates, types of seed, seed mixtures, and application rates described throughout this Section. The Engineer has the authority to alter the planting dates as set forth by a period of 2 weeks. This 2-week period may be applied to either the beginning of the specified planting and/or to the end of the end of the specified planting season.

In general:

- Obtain the Engineer's approval before changing the ground cover type.
- Do not use annual rye grass seeds with permanent grassing.
- Follow the planting zones indicated on the Georgia State Planting Zone Map, below.
- Sod may be installed throughout the year, weather permitting.
- For permanent grassing, apply the combined amounts of all seeds for each time period within each planting zone and roadway location listed in the Seeding Table, below. Do not exceed the amounts of specified seed.

Planting Zone Map



**Section 700 — Grassing**

**NON-NATIVE GRASS SEEDING TABLE 1**

(Temporary and Permanent Seed Types for Shoulders, Medians and Slopes 3:1 or Flatter)

Common Name	Botanical Name	Class/Type	Rate/Acre	Planting Zone	Planting Dates
Common Bermuda Grass (Hulled)	<i>Cynodon dactylon</i>	Required Permanent Grass	10 (11)	1	April 16 – August 31
Common Bermuda Grass (Unhulled)			10 (11)		
Common Bermuda Grass (Hulled)	<i>Cynodon dactylon</i>	Required Permanent Grass	10 (11)	2,3,4	April 1 – October 15
Common Bermuda Grass (Unhulled)			10 (11)		
Bahaia Grass			<i>Paspalum motatum</i>		
Rye Grass, Millet, Cereal Grass (Oats)	<i>Lolium penne</i> ssp. <i>Multiflorum</i> , <i>Echinochloa cursgalli</i> , <i>Avena sativa</i>	Temporary Grass	50 (56)	1	September 1- April 15
Rye Grass, Millet, Cereal Grass (Oats)	<i>Lolium penne</i> ssp. <i>Multiflorum</i> , <i>Echinochloa cursgalli</i> , <i>Avena sativa</i>	Temporary Grass	50 (56)	2,3,4	October 16- March 31

**Section 700 — Grassing**

**NON-NATIVE SEEDING TABLE 2**

(Temporary and Permanent Seed Types for back slopes, fill slopes and areas which will not be subject to frequent mowing, slopes steeper than 3:1)

Common Name	Botanical Name	Class/Type	Rate/Acre	Planting Zone	Planting Dates
Interstate Lespedeza	<i>Lespedeza sericea</i>	Permanent Grass	50(56)	1,2	March 1 – August 31
Weeping Lovegrass	<i>Eragrostis curvula</i>	Temporary Grass	10(11)		
Interstate Lespedeza	<i>Lespedeza sericea</i>	Permanent Grass	75(84)	1,2	September 1- February 28
Tall Fescue	<i>Festuca arundinacea</i>	Temporary Grass	50(56)		
Interstate Lespedeza	<i>Lespedeza sericea</i>	Permanent Grass	50(56)	3,4	April 1 – October 31
Weeping Love Grass	<i>Eragrostis curvula</i>	Temporary Grass	10(11)		
Interstate Lespedeza	<i>Lespedeza sericea</i>	Permanent Grass	50(56)	3,4	November 1 – March 31
Weeping Love Grass	<i>Eragrostis curvula</i>	Temporary Grass	10(11)		

**Section 700 — Grassing**

**NATIVE GRASS SEEDING TABLE 3**

**For Non-mowable Slopes or Areas Designated as Permanent Native Grass Plots.**

(Plant native seed mixes on back slopes, fill slopes and areas which will not be subject to frequent mowing (slopes steeper than 3:1).

Common Name	Botanical Name	Class/Type	Rate/Acre	Planting Zone	Planting Dates
Canada Wild Rye	<i>Elymus canadensis</i>	Cool Season	Minimum 2 (2)	1,2,3,4	October 31 - March 31
Virginia Wild Rye	<i>Elymus virginicus</i>	Cool Season	Minimum 2 (2)	1,2,3,4	October 31 - March 31
Bottle-brush Grass	<i>Hystrix patula</i>	Cool Season	Minimum 2 (2)	1,2,3,4	October 31 - March 31
Little Bluestem	<i>Schizachyrium scoparium</i> ( <i>Andropogon scoparius</i> )	Warm Season	Minimum 2 (2)	1,2,3,4	March 31- August 31
Indiangrass	<i>Sorghastrum nutans</i>	Warm Season	Minimum 2 (2)	1,2,3,4	March 31- August 31
Eastern Gama Grass	<i>Tripsacum dactyloides</i>	Warm Season	Minimum 2 (2)	1,2,3,4,1,2,3,4	March 31- August 31
Rice Cut Grass	<i>Leersia oryzoides</i>	Warm Season	Minimum 2 (2)	1,2,3,4	March 31- August 31
Deertongue	<i>Panicum clandestinum</i>	Warm Season	Minimum 2 (2)	1,2,3,4	March 31- August 31
Switchgrass	<i>Panicum virgatum</i>	Warm Season	Minimum 2 (2)	1,2,3,4	March 31- August 31
Woolgrass	<i>Scirpus cyperinus</i>	Cool Season	Minimum 2 (2)	1,2,3,4	October 31 - March 31
River Oats	<i>Chasmanthium latifolium</i>	Cool Season	Minimum 2 (2)	1,2,3,4	October 31 - March 31
Purple Top	<i>Tridens flavus</i>	Warm Season	Minimum 2 (2)	1,2,3,4	March 31- August 31

See plan sheets/plant lists for detailed native restoration and riparian mitigation seed mix combinations to be applied at a minimum rate total of 10 (11) lbs. per acre (kg/hectare) for each combined mix. If the mix is not provided in the plan sheets, use a minimum of 3 species based on planting dates shown above.

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**HERBACEOUS PLANT SEEDING TABLE 4**

(Approved for Riparian Mitigation or for Seed Mixes on Slopes Steeper than 3:1-Requiring Permanent Planting)

Common name	Botanical name	Class/type	Rate/Acre	Planting Zone	Planting Dates
Joe Pye Weed	<i>Eupatorium fistulosum</i>	Herbaceous Perennial	Minimum 2 (2)	1,2,3,4	September 1 - May 1
Ironweed	<i>Vernonia novaboracensis</i>	Herbaceous Perennial	Up to 10(11)	1,2,3,4	March 1 - August 31,
White snakeroot	<i>Ageratina altissima (Eupatorium rugosum)</i>	Herbaceous Perennial	Up to 10(11)	1,2,3,4	September 1 - May 1
Swamp milkweed	<i>Asclepias incarnata</i>	Herbaceous Perennial	Up to 10(11)	1,2,3,4	March 1 - August 31,
Frost aster	<i>Aster pilosus (Symphyotrichum pilosum)</i>	Herbaceous Perennial	Up to 10(11)	1,2,3,4	September 1 - May 1
Partridge pea	<i>Chamaecrista fasciculata (Cassia fasciculata)</i>	Herbaceous Perennial	Up to 10(11)	1,2,3,4	March 1 - August 31,
Lance-leaf coreopsis	<i>Coreopsis lanceolata</i>	Herbaceous Perennial	Up to 10(11)	1,2,3,4	September 1 - May 1
Tall coreopsis	<i>Coreopteris tripteris</i>	Herbaceous Perennial	Up to 10(11)	1,2,3,4	September 1 - May 1
Boneset	<i>Eupatorium perfoliatum</i>	Herbaceous Perennial	Up to 10(11)	1,2,3,4	September 1 - May 1
Sneezeweed	<i>Helenium autumnale</i>	Herbaceous Perennial	Up to 10(11)	1,2,3,4	September 1 - May 1
Swamp sunflower	<i>Helianthus angustifolius</i>	Herbaceous Perennial	Up to 10(11)	1,2,3,4	March 1 - August 31,
Fringed loosestrife	<i>Lysimachia ciliata</i>	Herbaceous Perennial	Up to 10(11)	1,2,3,4	September 1 - May 1

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Wild bergamot	<i>Monarda fistulosa</i>	Herbaceous Perennial	Up to 10(11)	1,2,3,4	September 1 – May 1
Mountain mint	<i>Pycnanthemum tenuifolium</i>	Herbaceous Perennial	Up to 10(11)	1,2,3,4	September 1 – May 1
Black-eyed susan	<i>Rudbeckia hirta</i>	Herbaceous Perennial	Up to 10(11)	1,2,3,4	September 1 – May 1
Goldenrod	<i>Solidago nemoralis</i>	Herbaceous Perennial	Up to 10(11)	1,2,3,4	September 1 – May 1
Butterfly Weed	<i>Aesclepias tuberosa</i>	Herbaceous Perennial	Up to 10(11)	1,2,3,4	March 1 - August 31,

Species	Rates per 1000 sq. ft.	Rates per Acre	Planting Date By Zone		
			1 & 2	2	3 & 4
Rye (Grain)	3.9 lbs	168 lbs	8/1 - 11/30	8/15 - 12/1	9/1 - 2/28
Ryegrass	0.9 lbs	40 lbs	8/1 - 11/30	9/1 - 12/15	9/15 - 1/1
Rye & Annual Lespedeza	0.6 lbs 0.6 lbs	28 lbs 24 lbs	3/1 - 4/1	2/1 - 3/1	2/1 - 3/1
Weeping Lovegrass	0.1 lbs	4 lbs	3/15 - 6/15	3/15 - 7/15	3/15 - 7/15
Sudangrass	1.0 lbs	60 lbs	4/1 - 8/31	4/1 - 8/31	3/15 - 8/1
Browntop Millet	1.1 lbs	50 lbs	4/1 - 6/30	4/1 - 7/15	4/1 - 7/15
Wheat	3.9 lbs	168 lbs	9/1 - 12/31	9/1 - 12/31	9/15 - 1/31

For native restoration and riparian mitigation seed mix combinations, use Table 4 for approved native herbaceous seed types in combination with Table 3 of native grass seeds. Native restoration and riparian seed mixes should incorporate a mix of 60% native grass types (see Table 3) and 40% native herbaceous types (see Table 4) applied at a minimum rate total of 10 (11) lbs. per acre (kg/hectare) for each combined mix.

**TABLE 5: TEMPORARY GRASS - SPECIES, SEEDING RATES AND PLANTING DATES**

When stage construction or other conditions prevent completing a roadway section continuously, apply temporary grassing to control erosion. Temporary grassing is used to stabilize disturbed areas for more than sixty (60) calendar days. Temporary grass may be applied any time of the year, utilizing the appropriate seed species and application rate as shown in the chart above. Apply mulch to areas planted in temporary grass at the rate of ¾ inch to 1.5 inches. Do not place slope mats on areas planted in temporary grass.

## Section 700 — Grassing

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### A. Ground Preparation

Prepare the ground by plowing under any temporary grass areas and preparing the soil as follows:

**1. Slopes 3:1 or Flatter**

On slopes 3:1 or flatter, plow shoulders and embankment slopes to between 4 in. and 6 in. (100 mm and 150 mm) deep.

Plow front and back slopes in cuts to no less than 6 in. (150 mm) deep. After plowing, thoroughly disk the area until pulverized to the plowed depth.

**2. Slopes Steeper Than 3:1**

Serrate slopes steeper than 3:1 according to plan details when required.

On embankment slopes and cut slopes not requiring serration (sufficient as determined by the Engineer), prepare the ground to develop an adequate seed bed using any of the following methods as directed by the Engineer:

- Plow to a depth whatever depth is practicable.
- Use a spiked chain.
- Walk with a cleated track dozer.
- Scarify.

Disking cut slopes and fill slopes is not required.

**3. All Slopes**

**a. Obstructions**

Remove boulders, stumps, large roots, large clods, and other objects that interfere with grassing or may slide into the ditch.

**b. Topsoil**

Spread topsoil stockpiled during grading evenly over cut and fill slopes after preparing the ground.

Push topsoil from the top over serrated slopes. Do not operate equipment on the face of completed serrated cuts.

**4. Native Restoration Areas, Riparian Areas, Stream Restoration Areas, and Wetland and Stream Mitigation Areas.**

For Permanent Grassing in native restoration areas, multitrophic native planting areas, riparian areas, stream restoration areas, and wetland and stream mitigation areas, provide the minimum ground preparation necessary to provide seed to soil contact. Riparian areas may also be seeded using the no-till method. The no-till method is defined by planting permanent grass seeds using a drill-type seeder over existing vegetation without plowing or tilling soil. Ensure that existing vegetation is less than 3 inches in height (this may be achieved by mowing or using a mechanical string trimmer).

### B. Grassing Adjacent to Existing Lawns

When grassing areas adjacent to residential or commercial lawns, the Engineer shall change the plant material to match the type of grass growing on the adjacent lawn. The Contract Unit Price will not be modified for this substitution.

### C. Temporary Grassing

Apply temporary grassing according to Subsection 163.3.05.F. Determine lime requirements by a laboratory soil test. Refer to seeding Table 5 for species, amounts of seed and planting dates.

In March or April of the year following planting and as soon as the weather is suitable, replace all areas of temporary grass with permanent grass by plowing or overseeding using the no-till method. If the no-till method is used, ensure that temporary grass is less than 3 in. in height (this may be achieved by mowing). Additional mulch will be required only if the temporary grass does not provide adequate mulch to meet the requirements of Subsection 700.3.05.G, *Mulching*.

Temporary grass, when required, will be paid for according to Section 163.

Projects that consist of asphalt resurfacing with shoulder reconstruction and/or shoulder widening: Type II Wood Fiber Blanket is used to stabilize disturbed areas, no till seeding will be used when permanent grassing is applied and the areas will not be re-disturbed.

## Section 700 — Grassing

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### D. Applying Agricultural Lime and Fertilizer Mixed Grade

Apply and mix lime and fertilizer as follows:

#### 1. Agricultural Lime

Uniformly spread agricultural lime on the ground at the approximate rate determined by the laboratory soil test.

- a. Agricultural Lime may be used as filler material in mixed grade fertilizer in lieu of inert material. The use of agricultural lime as filler material is to be shown on the fertilizer bag or invoice from the supplier. Do not deduct any amount of fertilizer when lime is used as filler.

#### 2. Fertilizer Mixed Grade

Uniformly spread the fertilizer selected according to Subsection 700.2.D over the ground or by use of hydroseeding.

For bid purposes base estimated quantities on an initial application of 400 lb./acre of 19-19-19.

#### 3. Mixing

Before proceeding, uniformly work the lime and fertilizer into the top 4 in. (100 mm) of soil using harrows, rotary tillers, or other equipment acceptable to the Engineer.

On cut slopes steeper than 3:1, other than serrated slopes, reduce the mixing depth to the maximum practical depth as determined by the Engineer.

Omit mixing on serrated slopes.

#### 4. Native Restoration Areas, Multitropic Native Planting Areas, Riparian Areas, Stream Restoration Areas, and Wetland and Stream Mitigation Areas

Omit the application of lime and fertilizer within riparian areas.

### E. Seeding

Prepare seed and sow as follows:

#### 1. Inoculation of Seed

Inoculate each kind of leguminous seed separately with the appropriate commercial culture according to the manufacturer's instructions for the culture.

When hydroseeding, double the inoculation rate.

Protect inoculated seed from the sun and plant it the same day it is inoculated.

#### 2. Sowing

Weather permitting, sow seed within 24 hours after preparing the seed bed and applying the fertilizer and lime.

Sow seed uniformly at the rates specified in the seeding tables. Use approved mechanical seed drills, rotary hand seeders, hydroseeding equipment, or other equipment to uniformly apply the seed. Do not distribute by hand.

To distribute the seeds evenly sow seed types separately, except for similarly sized and weighted seeds. They may be mixed and sown together.

Do not sow during windy weather, when the prepared surface is crusted, or when the ground is frozen, wet, or otherwise non-tillable.

#### 3. Overseeding

Temporary grass areas that were prepared in accordance with Subsection 700.3.05.A, may be overseeded using the no-till method. The no-till method is defined by planting permanent grass seeds using a drill-type seeder over existing temporary grass without plowing or tilling soil and in accordance with Subsection 700.3.05.C.

#### 4. Riparian Seed Mix shall be used when specified in the plans. A mix of at least three (3) species from Seeding Table 3 (Native Grasses) and at least two (2) species from Seeding Table 4 (Approved Riparian Mitigation - Herbaceous Plants). The seed, shall be applied as Permanent Grassing within those areas designated on the plans. The kinds of seed, shall be used according to the appropriate Planting Dates given in the tables.

## Section 700 — Grassing

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### F. Hydroseeding

Hydroseeding may be used on any grassing area. Under this method, spread the seed, fertilizer, and wood fiber mulch in the form of a slurry. Seeds of all sizes may be mixed together. Apply hydroseeding as follows:

1. Use wood fiber mulch as a metering agent and seed bed regardless of which mulching method is chosen. Apply wood fiber mulch at approximately 500 lbs./acre (560 kg/ha).
2. Prepare the ground for hydroseeding as for conventional seeding in Subsection 700.3.05.A.
3. Use specially designed equipment to mix and apply the slurry uniformly over the entire seeding area.
4. Agitate the slurry mixture during application.
5. Discharge slurry within one hour after being combined in the hydroseeder. Do not hydroseed when winds prevent an even application.
6. Closely follow the equipment manufacturer's directions unless the Engineer modifies the application methods.
7. Mulch the entire hydroseeded area according to Subsection 700.3.05.F.1, above, and Subsection 700.3.05.G, below. Native Restoration Areas, Multitropic Native Planting Areas, Riparian Areas, Stream Restoration Areas, and Wetland and Stream Mitigation Areas may be hydroseeded. When hydroseeding in these areas only use water, seed and wood fiber mulch.

### G. Mulching

Except as noted in Subsection 700.3.05.B and Subsection 700.3.05.C, apply mulch immediately after seeding areas as follows:

Areas with permanent grass seed and covered with slope mats or blankets will not require mulch.

Evenly apply straw or hay mulch between 3/4 in. and 1-1/2 in. (20 mm and 40 mm) deep, according to the texture and moisture content of the mulch material.

Mulch shall allow sunlight to penetrate and air to circulate as well as shade the ground, reduce erosion, and conserve soil moisture. If the type of mulch is not specified on the plans or in the Proposal, use any of the following as specified.

#### 1. Mulch with Tackifier

Apply mulch with tackifier regardless of whether using ground or hydroseeding equipment for seeding.

- a. Mulch uniformly applied manually or with special blower equipment designed for the purpose. When using a blower, thoroughly loosen baled material before feeding it into the machine so that it is broken up.
- b. After distributing the mulch initially, redistribute it to bare or inadequately covered areas in clumps dense enough to prevent new grass from emerging (if required).  
Do not apply mulch on windy days.
- c. Apply enough tackifier to the mulch to hold it in place. Immediately replace mulch that blows away.  
If distributing the mulch by hand, immediately apply the tackifier uniformly over the mulched areas.
  - Tackifier: Use a tackifier listed in the Laboratory Qualified Products Manual and apply at the manufacturer's recommended rates.

#### 2. Walked-in-Mulch

Apply walked-in-mulch on slopes ranging in steepness from 5:1 to 2:1 and treat as follows:

- a. Immediately walk it into the soil with a cleated track dozer. Make dozer passes vertically up and down the slope.
- b. Where walked-in-mulch is used, do not roll or cover the seeds as specified in Subsection 700.3.05.E.3.
3. Apply only wheat straw mulch on Riparian Areas, Stream Restoration Areas, and Wetland and Stream Mitigation Areas after they have been seeded. The wheat straw mulch is to be applied with a maximum thickness of 1 in.

## Section 700 — Grassing

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### H. Sod

Furnish and install sod in all areas shown on the plans or designated by the Engineer.

#### 1. Kinds of Sod

Use only Common Bermudagrass (*Cynodon dactylon*) or one of the following Bermudagrass varieties:

Tifway 419

Tifway II

Tift 94

Tifton 10

Midlawn

Midiron

GN-1

Vamont

No dwarf Bermuda types shall be used. Sod shall be nursery-grown and be accompanied with a Georgia Department of Agriculture Live Plant License Certificate or Stamp. Sod shall consist of live, dense, well-rooted material free of weeds and insects as described by the Georgia Live Plant Act.

#### 2. Type and Size Of Sod:

Furnish either big roll or block sod. Ensure that big roll sod is a minimum of 21 in. wide by 52 ft. long.

Minimum dimensions for block sod are 12 in. wide by 22 in. long. Ensure all sod consists of a uniform soil thickness of not less than 1 in.

#### 3. Ground Preparation

Excavate the ground deep enough and prepare it according to Subsection 700.3.05.A to allow placing of sod. Spread soil, meeting the requirements of Subsection 893.2.01, on prepared area to a depth of 4 in.

#### 4. Application of Lime and Fertilizer

Apply lime and fertilizer according to Subsection 700.3.05.D within 24 hours prior to installing sod.

#### 5. Weather Limitation

Do not place sod on frozen ground or where snow may hinder establishment.

#### 6. Install Sod

Install Sod as follows:

- Place sod by hand or by mechanical means so that joints are tightly abutted with no overlaps or gaps. Use soil to fill cracks between sod pieces, but do not smother the grass.
- Stake sod placed in ditches or slopes steeper than 2:1 or any other areas where sod slipping can occur.
- Use wood stakes that are at least 8 in (200 mm) in length and not more than 1 in. (25 mm) wide.
- Drive the stakes flush with the top of the sod. Use a minimum of 8 stakes per square yard (meter) to hold sod in place.
- Once sod is placed and staked as necessary, tamp or roll it using adequate equipment to provide good contact with soil.
- Use caution to prevent tearing or displacement of sod during this process. Leave the finished surface of sodded areas smooth and uniform.

#### 7. Watering Sod

After the sod has been placed and rolled or tamped, water it to promote satisfactory growth. Additional watering will be needed in the absence of rainfall and during the hot dry summer months. Water may be applied by Hydro Seeder, Water Truck or by other means approved by the Engineer.

#### 8. Dormant Sod

Dormant Bermuda grass sod can be installed. However, assume responsibility for all sod through establishment and until final acceptance.

#### 9. Establishment

## Section 700 — Grassing

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### I. Application of Nitrogen

Apply nitrogen at approximately 50 lbs./acre (56 kg/ha) when specified by the Engineer after plants have grown to 2 in. (50 mm) in height.

One application is mandatory and must be applied before Final Acceptance.

Apply nitrogen with mechanical hand spreaders or other approved spreaders capable of uniformly covering the grassed areas. Do not apply nitrogen on windy days or when foliage is damp.

Do not apply nitrogen between October 15 and March 15 except in Zone 4.

1. Native Restoration Areas, Multitropic Native Planting Areas, Riparian Areas, Stream Restoration Areas, and Wetland and Stream Mitigation Areas

Do not apply nitrogen to these areas.

### J. Application of Polyacrylamide (PAM)

1. Prepare soil according to project plans and specifications prior to applying PAM.
2. Apply PAM according to manufacturer's recommendations and the requirements listed herein.
3. Apply Polyacrylamide (PAM) to all areas that receive permanent grassing.
4. Apply PAM (powder) before grassing or PAM (emulsion) to the hydroseeding operation.
5. Use only anionic PAM.
6. Ensure that the application method provides uniform coverage to the target and avoids drift to non-target areas including waters of the state.
7. Achieve > 80% reduction in soil loss as measured by a rainfall simulator test performed by a certified laboratory (1-hour storm duration, 3 in. (75 mm) rainfall per hour).
8. Ensure uniform coverage to the target area and minimize drift to non-target areas. Apply anionic PAM to all cut and fill slopes, permanently grassed or temporarily grassed, either prior to grassing or in conjunction with hydroseeding operations. Mulch will not be eliminated.
9. Use application rates in accordance with manufacturer's instructions.
10. Do not exceed 200 lbs./acre/year (224 kg/ha/year).
11. Do not include polyacrylamide when planting in Riparian Areas, Stream Restoration Areas, and Wetland and Stream Mitigation Areas

### 700.3.06 Quality Acceptance

The Engineer may require replanting of an area that shows unsatisfactory growth for any reason at any time.

Except as otherwise specified or permitted by the Engineer, prepare replanting areas according to the specifications as if they were the initial planting areas. Use a soil test or the Engineer's guidance to determine the fertilizer type and application rate, then furnish and apply the fertilizer.

### 700.3.07 Contractor Warranty and Maintenance

#### A. Plant Establishment

Before Final Acceptance, provide plant establishment of the specified vegetation as follows:

1. Plant Establishment  
Preserve, protect, water, reseed or replant, and perform other work as necessary to keep the grassed areas in satisfactory condition.
2. Watering  
Water the areas during this period as necessary to promote maximum growth.
3. Mowing  
Mow seeded areas of medians, shoulders, and front slopes at least every 6 months. Avoid damaging desirable vegetation.

## Section 700 — Grassing

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In addition, mow as necessary to prevent tall grass from obstructing signs, delineation, traffic movements, sight distance, or otherwise becoming a hazard to motorists.

Do not mow lespedezas or tall fescue until after the plants have gone to seed.

4. Do not mow riparian areas, stream restoration areas, or wetland and stream mitigation areas after planting.

### **B. Additional Fertilizer Mixed Grade**

Apply fertilizer based on the initial soil test report at half the recommended rate each spring after initial plant establishment. For bid purposes apply 200 lbs./acre of 19-19-19. Continue annual applications until Final Acceptance. This additional fertilizer will be measured and paid for at the Contract Unit Price for fertilizer mixed grade.

Do not apply additional fertilizer to Native Restoration Areas, Multitropic Native Planting Areas, Riparian Areas, Stream Restoration Areas, and Wetland and Stream Mitigation Areas.

### **C. Growth and Coverage**

Provide satisfactory growth and coverage, ensuring that vegetation growth is satisfactory with no bare spots larger than 1 ft.<sup>2</sup> (0.1 m<sup>2</sup>). Bare spots shall comprise no more than 1 percent of any given area. An exception is given for seed not expected to have germinated and shown growth at that time.

### **D. Permissible Modifications**

When all Items of the work are ready for Final Acceptance except for newly planted repaired areas or other areas with insufficient grass, the Contractor may fill the eroded areas or treat bare areas with sod obtained, placed, and handled according to Subsection 700.3.05.H.

Carefully maintain the line and grade established for shoulders, front slopes, medians, and other critical areas.

Sod as described above will not be paid for separately but will be an acceptable substitute for the satisfactory growth and coverage required under this specification. These areas treated with sod are measured for payment under the Item for which the sod is substituted.

## **700.4 Measurement**

### **A. Permanent Grassing**

Permanent Grassing will be measured for payment by the acre (hectare).

### **B. Mulches**

Straw or hay mulch applied to permanent grassing areas will be measured by the ton (megagram). Wood fiber mulch furnished by the Contractor for permanent grassing is not measured for separate payment.

### **C. Quantity of Sod**

Sod is measured for payment by the number of square yards (meters) , surface measure, completed and accepted.

### **D. Water**

Water furnished and applied to promote a satisfactory growth is not measured for payment.

### **E. Quantity of Lime and Fertilizer Mixed Grade**

Lime and fertilizer are measured by the ton (megagram). Lime used as a filler in fertilizer is measured by the ton (megagram).

### **F. Quantity of Nitrogen Used for Permanent Grassing**

Nitrogen is measured in pounds (kilograms) based on the weight of fertilizer used and its nitrogen content.

### **G. Replanting and Plant Establishments**

No measurement for payment is made for any materials or work required under Subsection 700.3.06 and Subsection 700.3.07.

## Section 700 — Grassing

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### H. Temporary Grass

Temporary grass is measured for payment by the acre (hectare) according to Section 163.

### I. Seeded Native Restoration Areas, Multitropic Native Planting Areas, Riparian Areas, Stream Restoration Areas, and Wetland and Stream Mitigation Areas

Seeded Native Restoration Areas, Multitropic Native Planting Areas, Riparian areas, Stream Restoration area, and Wetland and Stream Mitigation areas will be measured by the acre (hectare) and included under the pay item *Native Restoration and Riparian Seeding*.

### 700.4.01 Limits

General Provisions 101 through 150.

## 700.5 Payment

As grassing and planting progress, the Contractor will receive full measurement and payment on regular monthly estimates provided the work complies with the specifications.

### A. Permanent Grassing

Permanent grassing will be paid for at the Contract Price per acre (hectare), complete and in place. Payment is full compensation for preparing the ground, seeding, wood fiber mulch, polyacrylamide, and providing plant establishment, soil tests and other incidentals.

### B. Straw or Hay Mulch

Straw or hay mulch required for Permanent Grassing will be paid for according to Section 163.

### C. Fertilizer Mixed Grade

Fertilizer mixed grade will be paid for at the Contract Price per ton (megagram). Payment is full compensation for furnishing and applying the material.

### D. Lime

Lime will be paid for at the Contract Price per ton (megagram). Lime used as filler in fertilizer will be paid for per ton (megagram). Payment is full compensation for furnishing and applying the material.

### E. Nitrogen

Nitrogen will be paid for at the Contract Price per pound (kilogram) of nitrogen content. Payment is full compensation for furnishing and applying the material.

### F. Sod

1. Sod will be paid by the square yard (meter) in accordance with the following schedule of payments. Payment is full compensation for ground preparation, including addition of topsoil, furnishing and installing live sod, and for Plant Establishment.
2. 70 percent of the Contract Price per square yard will be paid at the satisfactory completion of the installation.
3. 20 percent of the Contract Price will be paid upon satisfactory review of sod which is healthy, weed free and viable at the inspection made at the end of the first spring after installation.
4. 10 percent of the contract price will be paid upon satisfactory review of sod that is healthy, weed free and viable at the Final Acceptance.

### G. Temporary Grass

Temporary Grass will be paid for under Section 163.

## Section 700 — Grassing

### H. Seeded Native Restoration Areas, Multitropic Native Planting Areas, Riparian Areas, Stream Restoration Areas, and Wetland and Stream Mitigation Areas

Seeded Native Restoration Areas, Multitropic Native Planting Areas, Riparian areas, Stream Restoration area, and Wetland and Stream Mitigation areas will be paid for at the Contract Price per acre (hectare), complete and in place. Payment is full compensation for preparing the ground, seeding, and providing plant establishment and other incidentals. and included under the pay item “Native Restoration and Riparian Seeding”.

Payment will be made under:

<b>Item No. 700</b>	Permanent grassing	Per acre (hectare)
<b>Item No. 700</b>	Agricultural lime	Per ton (megagram)
<b>Item No. 700</b>	Fertilizer mixed grade	Per ton (megagram)
<b>Item No. 700</b>	Fertilizer nitrogen content	Per pound (kilogram)
<b>Item No. 700</b>	Sod	Per square yard (meter)
<b>Item No. 700</b>	Native Restoration and Riparian Seeding	Per acre (hectare)

#### 700.5.01 Adjustments

General Provisions 101 through 150.

**ATTACHMENT G**

SECTION 702

## Section 702—Vine, Shrub, and Tree Planting

### 702.1 General Description

This work includes furnishing and planting vines, shrubs, trees and plants, treating regenerated areas, and environmental mitigation planting for riparian buffers and tidal marsh areas.

#### 702.1.01 Definitions

General Provisions 101 through 150.

#### 702.1.02 Related References

##### A. Standard Specifications

- Section 108—Prosecution and Progress
- Section 214—Mitigation Site Construction
- Section 700—Grassing
- Section 882—Lime
- Section 891—Fertilizers
- Section 893—Miscellaneous Planting Materials

##### B. Referenced Documents

- Standardized Plant Names
- ANSI A300 Part 1 Pruning Standards
- ANSI Z60.1 American Standards for Nursery Stock

#### 702.1.03 Submittals

##### A. Certificates of Inspection

Submit certificates of inspection with the invoice for each shipment of plants as required by law for transportation. File certificates with the Engineer before the material is accepted. Plants may be rejected at the site regardless of Federal or State government inspections at the place of growth.

##### B. Substitutions

When both primary and alternate plants are specified, use the alternate only after providing written proof that the primary plants specified are not available. In this case a Supplemental Agreement is not required to use the alternate plants.

When a primary or an alternate plant cannot be furnished, provide the Engineer written proof that neither is available. A Supplemental Agreement is required for substitute plants in this case.

Use approved substitute plants, as designated by the Engineer, equal in value to specified plants. Request substitutions at least thirty (30) days before the end of the planting season in the area.

### 702.2 Materials

Ensure that materials meet the requirements of the following specifications:

Material	Section
Water	700.2.B
Agricultural Lime	882.2.01
Fertilizers	891.2.01

## Section 702 — Vine, Shrub, and Tree Planting

Material	Section
Plant Topsoil	893.2.01
Landscape Mulch	893.2.02
Vines, Shrubs, Trees, and Miscellaneous Plants	893.2.03
Tree Paint	893.2.06
Prepared Plant Topsoil	893.2.07
Stakes	893.2.08
Organic Soil Additives	893.2.09

### A. Plant Specifications

Furnish plants according to the plant name and specifications included on the plan sheets.

#### 1. Plant Names

Ensure that the botanical and common names of plants specified conform to the most current edition of Standardized Plant Names, as adopted by the American Joint Committee on Horticultural Nomenclature.

#### 2. Plants should be clearly labeled at the nursery. Labels should remain on the plants until inspected by the engineer.

#### 3. Grades

Ensure that plants meet the grade requirements of the most current American Nursery and Landscape Association ANSI Z60.1 and any other requirements.

Caliper used for establishing plant grades or trunk sizes is measured according to the American Nursery and Landscape Association ANSI Z60.1. Plant trees with straight stems and symmetrical branches according to their natural growth. Trees with broken or damaged terminal or main stems will be rejected. There shall be a single dominant leader to the top of the all large canopy shade trees. There can be a double leader in the top 10% of the tree height.

Trees should be rooting into the root ball so that soil or media remains intact and trunk and root ball move as one when lifted, but not root bound. The trunk should bend when gently pushed and should not be loose so it pivots at or below the soil line.

There shall be no roots greater than 1/10 diameter of the trunk circling more than one-third the way around in the top half of the root ball. Roots larger than this may be cut provided they are smaller than one-third the trunk diameter.

The leaf-bearing crown should be full and uniform. Leaves should show no evidence of chlorosis, necrosis, disease or insect infestation.

### B. Bare root seedlings

Use nursery-grown bare root seedlings which are a minimum of three (3) ft. (1 meter) in height above the ground with a 1/4 in. (6.35mm) caliper, and a minimum primary root length of five in. (5) unless specified differently on the plan drawings.

Use approved substitute plants, as designated by the Engineer, equal in value to specified plants. Request substitutions at least 30 calendar days before the end of the planting season in the area. Wet swale bare root *Juncus effuses* shall be fresh divisions with a full, dense root base.

### C. Nursery Plants

Unless otherwise specified, use plants stock-grown in a licensed nursery under intensive care and cultivation for at least one year. The largest branches of shade trees should be spaced at least 6 inches apart. The branch system shall be normally developed and free of disease, injurious insects, disfiguring knots, sun-scald, injuries, bark abrasions, dead or dry wood, broken terminal growth, or other disfigurements. Stems should show no evidence of die-back. Ensure that proper certificates of inspection and a complete list of the nursery growers accompany nursery grown plants. See Subsection 893.2.03.

## Section 702 — Vine, Shrub, and Tree Planting

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### D. Approval and Selection of Materials and Work

Select materials and execute operations required under the specifications and drawings with the approval of the Engineer. Remove rejected materials from the site promptly.

### 702.2.01 Delivery, Storage, and Handling

#### A. Bare-Rooted Plants

Protect bare root plants from drying out until planted. Uncovered roots without moisture-loss gel coating shall be exposed to air no longer than 15 minutes.

#### B. Balled and Burlapped Plants (B&B)

1. Burlap shall be a natural biodegradable material. Do not use synthetic burlap.
2. Replace plants rejected because of broken or loose balls, or balls of less diameter than that specified.
3. Protect the roots of balled and burlapped plants from moisture loss, unless they are planted immediately after they are delivered.
4. Plants shall be harvested with the ball of earth in which they are growing intact.

#### C. Container-Grown Plants

Keep container-grown plants moist but well drained until planted. Handle plants by the container or soil ball and not by the top growth.

#### D. Heeled-in Plants

Properly maintain heeled-in plants until they are planted. Do not allow plants to remain heeled-in over the summer or for over 30 days without the Engineer's consent.

#### E. Injury Prevention

Injured plants will be rejected. Protect tops of shrubs and trees while in transit to prevent windburn.

#### F. Live Willow Stake Material

Live stakes shall be moistened, capable of rooting, without injury and stripped of all stems and leaves with a minimum of scarring. The stakes shall be from 5 to 8 ft. (1.5m to 2.4m) in length with a basal end of 0.5 to 1.5 in. (1.27cm to 3.8cm) in diameter. The top ends shall be blunt and cut square and the butt ends angled.

## 702.3 Construction Requirements

### 702.3.01 Personnel

General Provisions 101 through 150.

### 702.3.02 Equipment

General Provisions 101 through 150.

### 702.3.03 Preparation

#### A. Inspect Plant Material before Digging

The Engineer will inspect trees or plants from the bidder's source for acceptability and conformity to specification requirements for approval by the Engineer. When rejecting the trees or plants, the Engineer reserves the right to pursue and examine other sources of plants to find acceptable specimens. This change will not constitute an increase in cost to the State.

#### B. Clear and Grub

Clear and grub the planting area before planting or beginning to prepare the plant bed, unless noted differently on the plans. See Section 201.

## Section 702 — Vine, Shrub, and Tree Planting

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### C. Prepare Plant Bed

Prepare for planting as follows:

#### 1. Planting Limits

Stake planting limits according to plan details and the Engineer. Have the Engineer approve the method of plant identification before planting.

For median plantings, keep any woody plant a minimum of 3 ft. (1m) from the edge of the plant bed to avoid vegetative growth into the roadway.

For stream buffers identified as “Stream Buffer” or “wet swales”, on plans, the plant species shall be planted in a random, intermixed manner throughout the entire planting area. At the edges of the planting zone, keep new plants a minimum of 8 ft. (2.4m) from existing trees or permanent structures.

#### 2. Applications of Soil Additives

- a. Apply fertilizer and lime to the plant bed according to the soil test report.
- b. Spread an organic soil additive, (See Subsection 893.2.09), evenly throughout the designated area to at least 2 in. (50 mm) deep. Thoroughly dig it into the soil to at least 6 in. (150 mm) deep using a rotary hoe type tiller or other equipment that evenly mixes the soil, lime, fertilizer, and organic soil additive.
- c. Till the area until the surface is smooth and free of weeds, roots, rocks, and other debris, to the satisfaction of the Engineer.
- d. If the planting area lies within a multitrophic native planting area, stream buffer, wetland, wet swale, or marsh the addition of fertilizer or lime is prohibited.

### 702.3.04 Fabrication

General Provisions 101 through 150.

### 702.3.05 Construction

#### A. Seasonal Limitations for Planting

For geographic seasonal limitations, refer to the Planting Zones Map found in Subsection 700.3.05. Plant in Zones 1 and 2 between October 15 and March 15. Plant in Zones 3 and 4 between November 1 and January 1.

#### B. Planting Operations

Plant using the method called for on the details and plan sheets. Before beginning planting of each area, have available the necessary materials including prepared plant topsoil (see Subsection 893.2.07), water, stakes, and mulch. Plants shall be installed as straight/upright as possible. Any plants found to be leaning or broken will not be accepted or paid for by the engineer.

When seasonal limitations and weather conditions permit, continuously water, mulch, guy, provide tree guards, and stake as indicated on the plans and details until completing the last operation.

After completing planting, provide a method for retaining water adjacent to the plant according to the details shown on the plans or as directed by the Engineer.

Protect marsh restoration areas from vehicles and machinery. Typical protective barriers are not to be used in tidal areas. Stakes that remain secure and are taller than the highest tide, flagged with highly visible flagging tape, are required to mark the area to be protected and off-limits for vehicles and machinery.

#### 3. Planting by the Pit Method

##### a. Placing Bare-Rooted Plants

Plant bare-rooted plants delivered to the pit area. Protect roots from drying out until placing them in the pit.

- 1) Center plants in pits and spread roots as they originally grew.
- 2) Cover and prepare the topsoil according to details shown on the plans.

##### b. Placing Balled and Burlapped Plants

Immediately plant these plants after they are delivered to the pit site.

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- 1) The pit diameter shall be a minimum of 3 times the diameter of the rootball. Center the ball in the prepared pit, leaving the top of the ball 1 in (25 mm) above the top of the ground for settlement.
  - 2) Cut away and remove the top 1/3 of burlap from the rootball. Cut all ropes and twine, pull the nails, and drop the remaining burlap to the bottom of the hole. Cut away and remove all wire from the root ball.
  - 3) Partially fill the pit with prepared plant topsoil and compact the soil enough to hold the ball firmly. Add mycorrhizal inoculant to plant topsoil if specified in plans.
- c. Placing Container-Grown Plants
- 1) When the container is delivered to the pit site, split the container from top to bottom and carefully remove the plant.
  - 2) The pit diameter shall be a minimum of 3 times the diameter of the rootball. Spread into the hole any major roots growing around the container or prune them to remove any circular growth.
  - 3) Place the ball in the center of the prepared pit, leaving the top of the ball 1 in. (25 mm) above the top of the ground for settlement.
  - 4) Partially fill the pit with prepared plant topsoil and compact the soil enough to hold the ball firmly. Add mycorrhizal inoculant to plant topsoil if specified in plans.
- d. Completing Pit Plantings
- After placing pit plantings, water plants thoroughly the same day regardless of weather or soil moisture conditions.
- 1) After the water has soaked in, add prepared plant topsoil and compact firmly up to 2 in. (50mm) below the adjacent ground.
  - 2) Stop compacting when the compacted prepared topsoil is 2 in (50 mm) below the adjacent ground.
  - 3) Fill the remainder of each pit with loose, prepared plant topsoil according to the details shown on the plans.
  - 4) Prepare the loose topsoil to retain water adjacent to the plant according to the Plans or as directed by the Engineer.
- e. Live Stake Plantings
- 1) Plant live willow stakes at four (4) ft. (1.2m) intervals or as indicated on the drawings with the buds facing upward.
  - 2) Eighty (80) percent of the stake shall be installed below ground, leaving twenty (20) percent extending above ground.
  - 3) Stakes shall be placed deep enough to reach the water table during the dry season at an angle perpendicular to the slope.
  - 4) Pack soil firmly around the hole after installation.
  - 5) Install live willow (*Salix spp.*) stakes only in the dormant season, according to the planting details and landscape plan notes.
  - 6) Replace any live stakes that split during installation.
4. Planting using a Dibble, Hoedad, or Reinforced Planting Shovel for Wet Swale and Bare Root Seedlings.
- Planting shall only be done when there is adequate moisture in the ground and when the ground is not frozen. Provide proper root positioning and contact with the soil and eliminate all air pockets around roots. Roots of seedlings shall not be pinched or bent in a sideways or upturned direction.
- Each tree, division, or seedling shall be inserted into the hole such that the root collar of the tree will be at ground level after backfilling is complete. Allowance for burying the root collar below ground level shall not exceed one-half inch in depth. In no case shall planting result in the root collar remaining above ground level. The soil back-filled around the root system shall be compacted sufficiently to support the plant. Mow or use a
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## Section 702 — Vine, Shrub, and Tree Planting

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string trimmer to a height of 1 in. (25 mm) in the area designated for restoration. Do not trim wet swales or retention basins where standing water is present.

Grass the area designated for restoration with a native restoration or riparian seed mix and apply wheat straw mulch to the area before planting seedlings.

Plant within 48 hours after mowing or string trimming the site.

5. Restoration and enhancement of tidal marsh areas are subject to possible wave energy, requiring the use of a plant anchor for each plant. See planting plan sheets and details for plant anchor and anchoring descriptions.

### C. Landscape Mulching

#### 1. For Pit Plantings

Follow these requirements when mulching for pit plantings:

- a. Where the distance between plants is 8 ft. (2.4 m) or less, spread mulch throughout and 3 ft. (900 mm) beyond the outermost plants. Where plants are more than 8 ft. (2.4 m) apart, apply mulch in a circular fashion around each plant, forming a ring 5 ft. (1.5 m) in the outside diameter.
  - b. If plant pits are greater than 5 ft. (1.5 m) in diameter, ensure that the mulch extends out to cover the berm as shown in the planting details on the plans.
  - c. Apply mulch within 3 days of planting at least 4 in. (100 mm) in depth to obtain a compacted depth of at least 3 in. (75 mm).
  - d. Compaction occurs naturally. Check compaction at least two months after spreading and exposing the mulch to the elements.
  - e. If the compacted depth is less than 3 in. (75 mm), apply additional mulch to deficient areas within 1 month following notification.
  - f. Apply mulch to a uniform depth and remove lumps for a neat appearance. Tuck mulch neatly against all paving edges, drainage structures, and where planting beds meet grassed areas.
  - g. Leave a 1 in. (25 mm) to 2 in. (50 mm) ring of non-mulched area directly around all tree trunks.
  - h. Do not mulch with Cypress Mulch.
2. For Plantings using a Dibble, Hoedad, or Reinforced Shovel  
Apply landscape mulch according to Subsection 702.3.05.C.1 with the following exceptions:
    - a. Apply mulch before planting.
    - b. Use only wheat straw mulch in restoration areas.
    - c. Ensure that the mulch coverage is open enough to allow seed germination to take place and dense enough to conserve moisture in the seed bed.
  3. For Native Multitrophic or Stream Buffer Restoration Planting Areas, wheat straw shall be the only types of mulch used.
  4. Do not use mulch in a tidal marsh area. Do not mulch wet swale or retention ponds where standing water is present.

### D. Wrapping

Do not wrap the trunks of tree unless specified in the plans. When wrapping is specified, tightly wrap the trunks of deciduous trees over 1.25 in. (32 mm) in caliper. Wrap in strip burlap or waterproof crepe tree wrapping paper or other approved materials.

1. Begin wrapping at the ground and extend spirally up and beyond the first rosette of branches with an overlap of one half the width of the wrapping material.
2. Tie the wrapping material securely with binder twine spaced every 12 in. (300 mm) for the full length of the wrapping. Wrap immediately after planting.

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### E. Staking and Guying

1. Do not use staking and guying unless specified in the plans or details.
2. Perimeter Staking
3. Place perimeter stakes 2 in. x 2 in. x 36 in. (50 mm x 50 mm x 900 mm). Stake the perimeter of indicated regenerated areas within specified planting dates according to the Plans or as directed by the Engineer. Keep staking for tidal marsh areas secured with supports taller than the highest tide with highly visible flagging tape to mark the area as off-limits for vehicles and machinery.
4. Vine, Shrub, and Miscellaneous Plant Staking
5. Use stakes to identify isolated vines, shrubs, and miscellaneous plants outside of solid mulched beds according to plan details.
6. Tree Staking and Guying
7. Stake trees using a system that will prevent trees from leaning or tilting and keep the root ball stable until the roots become anchored. The system should allow the top some movement and flexibility without damaging the tree.

### F. Pruning

1. Prune plants on the site before planting and after initial inspection by the Engineer as needed for the health of the plant. Never prune severely to get plants to meet specifications.
  - a. Follow ANSI A300 Part 1 standards and use approved tools designed for pruning.
  - b. Lopping, topping, or shearing trees or shrubs is not permitted.
  - c. Prune back damaged, scarred, frayed, split, and skinned branches, limbs, and roots to live wood nearest to the next sound, outside lateral bud, branch, limb, or root.
  - d. Leave the terminal leaders or buds in trees intact.
  - e. Prune roots, when necessary, as directed by the Engineer.
  - f. Prune Crape Myrtles to maintain natural form only. Severely cutting back or stump pruning crape myrtles is not permitted. Remove sucker growth from Crape Myrtles.
  - g. Damaged, scarred, frayed, split and skinned branches, limbs and roots shall be pruned back to live wood nearest to the next viable outside lateral bud, branch, limb or root.

### G. Watering

1. Apply water in a manner to prevent erosion. Water plants deeply and thoroughly at the time of planting. Water after applying fertilizer called for in Subsection 702.3.05.H and as necessary to maintain enough moisture to promote plant growth. Use water reservoir bags if specified in plans or details.
  - a. Apply enough water to wet the soil to a depth slightly below the roots. Direct the water to the ground around the plant, not the tops.
  - b. Do not allow plant foliage to dry out or plants to defoliate from lack of water. Remove plants in such condition from the site immediately. Apply supplemental watering to maintain vigorous growth and to keep plants moist and as directed by the Engineer.
  - c. Apply water once per week throughout the planting season in which the plants are installed. Follow Subsection 702.3.07.B and 702.3.07.C for shrub and tree watering requirements throughout the life of the project.

## Section 702 — Vine, Shrub, and Tree Planting

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### H. Spring Application of Fertilizer

#### 1. Method and Rate of Application

Follow these requirements when applying fertilizer in the spring:

##### a. Trees

Apply a slow-release fertilizer according to soil test results. Assume 8-12-12 with a rate of 1 cup (0.25 L) per caliper inch of tree for bidding purposes.

#### 2. Shrubs and vines

Fertilize shrubs according to soil test results with a slow release fertilizer by spreading fertilizer around the base of the plant and working it into the soil by hand. Assume 6-12-12 with a rate of 0.5 cup (0.12 L) per foot of shrub height for bidding purposes.

##### Bed Areas

Spread fertilizer on bed areas (defined by method of planting in Subsection 702.3.05.B), over the mulch according to soil test results. Assume 3 lbs./100ft<sup>2</sup> of 6-12-12 for bidding purposes. Thoroughly water in the plants.

#### 3. Native Restoration or Stream Buffer Areas

The addition of fertilizer or lime is prohibited within the native restoration or stream buffer planting areas.

#### 4. Tidal March Areas

The addition of fertilizer or lime is prohibited within marsh areas.

#### 5. Time of Spring Fertilizer Application

Apply fertilizer in the spring in Zones 1 and 2 (with reference to the Planting Zones specified in Subsection 702.3.05.A) between April 1 and April 15. Apply between March 15 and April 1 for Zones 3 and 4.

For late plantings, do not apply fertilizer less than 30 days after the plantings.

#### 6. Additional Fertilizer

Approximately one month after the spring fertilizer is applied; the Engineer will inspect planted areas and determine if an additional application of fertilizer is needed for any plant or group of plants.

If the Engineer determines additional fertilizer is required, apply fertilizer according to soil test results between June 15 and July 15th.

### I. Tree Guards for Stream Buffer Saplings

Each planted bare root, sapling-sized plant shall be fitted with a tree guard to protect the saplings from wildlife browsing. The tree guards shall be at least 36 in. tall, with appropriately sized wooden stakes or bamboo to securely support the tree guard [i.e., a 4 ft. (1.2 meter) stake for a 36 in. (914.4 mm) guard]. Mesh tube-type tree guards are required. Vexar tubes, or equivalent, are to be used. All tree guards shall be removed from the saplings at final inspection.

### J. Restoration and Cleanup

Restore areas where existing grass has been damaged or scarred during planting operations at no expense to the Department. Restore the disturbed areas to their original conditions as directed by the Engineer. Clean up debris, spoil piles, and containers and leave the Project area clean.

Clean up and remove all debris, spoil piles, containers, water reservoirs, trash, etc. and leave the project area in an acceptable condition. Inspect all installed erosion control devices weekly and clean out or repair as required. Remove all erosion control devices at final acceptance unless otherwise instructed by the Engineer.

### 702.3.06 Quality Acceptance

Preserve the plants in a healthy growing condition and keep plants moist, particularly during drought conditions (no rain for any two-week period). The acceptability of the plant material planted and maintained as specified will be determined at the end of an establishment period.

The plant establishment period is the period from the last planting specified in Subsection 702.3.05.B until the following October 1. Plant all plants in one planting season unless otherwise approved by Engineer.

## Section 702 — Vine, Shrub, and Tree Planting

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### A. First Establishment Period

At the end of the first planting season, the first establishment period begins. The Department will make the first semi-final inspection 30 days before the end of the first establishment period. Replace dead, dying, diseased, unsatisfactory, and missing plants, by January 20 of the next (second) planting season. For stream buffer areas, all replacement plants shall be tagged with 18 in. (457.2 mm) lengths of brightly-colored survey tape. Tree guards shall be placed around all replacement saplings. All costs for replanting, tagging and tree guards for replacement trees shall be included in the contract price bid for the original planting.

### B. Second Establishment Period

At the end of the second planting season, the second plant establishment period begins. The Department will make the second semi-final inspection 30 days before the end of the second establishment period. Again, replace dead, dying, diseased, unsatisfactory, and missing plants, by January 20 of the next (third) planting season. For stream buffer areas, all replacement plants shall be tagged with 18 in. (457.2 mm) lengths of brightly-colored survey tape. Tree guards shall be placed around all replacement saplings. All costs for replanting, tagging and tree guards for replacement trees shall be included in the contract price bid for the original planting.

### C. Final Inspection

The Department will make the final inspection of the plants during May, following any needed replacements during the previous planting season. Assume responsibility for the plants until the Final Acceptance of the project or a portion of the project.

## 702.3.07 Contractor Warranty and Maintenance

Project maintenance includes, but is not limited to, watering, cultivating, weeding, pruning, repairing, adjusting guys and stakes, and performing other work as ordered by the Engineer until final acceptance.

Promptly remove from the project area dead plants or those that no longer conform to the requirements of Subsection 702.2.A.2.

Mow the entire right-of-way within the limits of the project up to a maximum of four times per calendar year. Do not mow native restoration areas, wet swales, or riparian mitigation sites.

### A. Leaning Trees

Straighten leaning trees as directed by the Engineer. Follow Staking and Guying requirements for replacements or repairs as per Subsection 702.3.05.E.

### B. Shrub Maintenance

#### 1. Pruning

Prune dead or diseased limbs to provide for plant health and appearance as directed by the Engineer.

#### 2. Landscape Mulching

Continuously maintain shrub and tree beds with a clean, freshly mulched appearance using the mulch originally specified. See Subsection 702.3.05.C. Do not mulch shrub and tree beds within riparian mitigation sites.

a. Apply a 2 in. (50 mm) loose layer of specified mulch (top-dressing) on top of all areas, including tree pits, initially mulched, at the following times:

- 1) In August, during the first plant establishment period.
- 2) In April, during the second plant establishment period.
- 3) In August, during the second plant establishment period.
- 4) In April, prior to the final inspection.

#### 3. Applying Fertilizer

See Subsection 702.3.05.H.

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4. Applying Pesticides
  - a. Inspect all planted or seeded vegetation for insects, grubs, mites, diseases, etc., once every two weeks. Apply insecticides, fungicides, and herbicides according to the manufacturer's recommendations to effectively control or eradicate the problem.
  - b. Perform all pesticide applications under the direct supervision of a trained licensed commercial pesticide operator whose license includes subcategory 27 – Right of Way Pest Control. Carry the pesticide license/certification on the work site during applications. Carry all labeling associated with the chemical being applied at the work site.
  - c. Submit all product information data sheets and EPA approval numbers on all pesticides proposed to be used prior to application for approval.
  - d. Notify the Engineer a minimum of 48 hours prior to any and all pesticide applications.
  - e. Add a blue dye to all spray applications unless approved otherwise by the Engineer.
  - f. Monitor the weather and spray under proper weather conditions. Spraying shall not occur when the weather is greater than 10 miles per hour.
  - g. Wear the proper safety attire. Wear long sleeve shirts, long pants, gloves, and safety glasses. Wear or use any additional protective safety attire or gear as recommended by the product's manufacturer.
  - h. Repair any damage that is a result of mishandling or misuse of materials, at no expense to the Department, to the satisfaction of the Engineer.
  - i. For stream buffer and marsh restoration areas, pesticides are not to be used unless approved by the Department Ecology Manager.
5. Edging
  - a. Edge all shrub pits, shrub beds, and tree pits once a month throughout the life of the project such that the vee-cut edging detail specified on the plans is maintained. Prevent grass and weeds from growing over or into the shrub beds and tree pits.
  - b. Use equipment specifically designed for edging. Line trimming equipment shall not be used.
6. Watering
  - a. Check all planted material once a week throughout the contract for dryness by removing the mulch from their base and "sampling the soil" approximately 4 in. (100mm) deep. Water if the soil is not moist.
  - b. Water all planted material if a drought (no rain for two weeks) occurs. Provide the water required to meet the watering requirements.
  - c. Water each plant thoroughly until the ground is saturated to a depth slightly below the root ball. Apply water in a manner to prevent erosion.

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### 7. Weed Control

Perform weed control throughout the project, a minimum of once every two weeks, in all areas within the project limits to maintain tree pits, shrub beds, sidewalks, curb and gutter, walkways, ditch paving, concrete medians, and other pavement weed free. Meet the following conditions:

- a. Perform weed control to prevent weeds from becoming established, setting seed, or from becoming visible in the planting beds.
- b. Completely remove all undesirable plants (weeds) by hand pulling. Removal of weeds may be accomplished using herbicides if approved by the Engineer. However, the use of herbicides is prohibited in stream buffer areas unless approved by the Department Ecology Manager.
- c. Apply an approved pre-emergent herbicide twice each year, once in the spring and once in the fall, throughout the contract. The use of pre-emergent herbicides is prohibited in stream buffer areas. Apply pre-emergent to all shrub beds and tree pits. Notify the Engineer 48 hours prior to spraying. Use a blue dye in all applications unless approved otherwise by the Engineer.
- d. Eradicate all invasive exotic pest plants found within the project limits throughout the life of the project, including stream buffer and marsh areas. Volunteer, non-invasive plant material within stream buffer restoration areas is acceptable.
- e. Dispose off site on a daily basis all weed, exotic plants, clippings, litter, and debris generated.

### 8. Policing

Remove debris such as paper, broken limbs, bottles, cans, etc., a minimum of the first and third week of each month from all areas within the project limits while maintaining the site.

### 9. Mitigation Areas

Pruning, mulching, edging, and applying spring fertilizer are not required within wet swales, native restoration areas, stream buffers and regenerated forest areas.

## C. Tree Maintenance

### 1. Watering

See Subsection 702.3.07.B.6

### 2. Landscape Mulch

See Subsection 702.3.07.B.2

### 3. Fertilizer

See Subsection 702.3.05.H.

### 4. Abnormal Conditions

Periodically (once every two weeks) observe trees and shrubs for abnormal conditions such as insects, borers, web worms, red spiders, etc., and immediately treat.

### 5. Sucker Growth

Remove sucker growth once a month. Sucker growth is the shoots that sprout out around the base of the tree trunk.

### 6. Pruning and Deadwood

Remove deadwood at least two times a year. Prune dead branches. Paint cuts, and wounds or scars with tree paint only when specified in the plans. Do not top Crape Myrtles. See Subsection 702.3.05.F.

### 7. Pesticide Control

**NOTE: Apply pesticides as necessary to control harmful insects and diseases. Follow the manufacturer's instructions. See Subsection 702.3.07.B.4. NOTE: Use chemicals according to Federal, State and county directives on environmental control that carry an EPA approval number.**

### 8. Weed Control

See Subsection 702.3.07.B

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### 9. Staking and Guying

Remove all support guy wires, strapping and stakes from plants which have gone through one complete growing season.

## 702.4 Measurement

### A. Plants

Plants of the name and size specified are measured for payment according to the number planted that are still living and viable and in an acceptable condition at the time of Final Acceptance. A viable plant must have a minimum of 75 percent of the leaf-bearing crown with healthy foliage.

### B. Fertilizer

Spring application fertilizer applied to planted and regenerated areas will be the actual number of pounds (kilograms) placed and accepted. Fertilizer, lime, and plant topsoil used in prepared plant topsoil or plant bed preparation are not measured for separate payment. For stream buffer and marsh areas, the addition of fertilizer or lime is prohibited.

### C. Perimeter Stakes

Perimeter stakes is not measured for payment unless such item is shown as a separate Pay Item in the proposal.

### D. Clearing and Grubbing

Clearing and grubbing is not measured for payment unless the Item is shown as a separate Pay Item in the proposal.

### E. Landscape Mulch

The quantity of landscape mulch and top-dressing measured for payment will be the actual number of square yards (meters) completed as specified and accepted. The presence of weeds or other growth, or foreign material, will be cause for rejection.

### 702.4.01 Limits

General Provisions 101 through 150.

## 702.5 Payment

### A. Plants

Plants measured for payment will be paid for as follows:

1. After planting satisfactorily, the Department will pay 50 percent of the Contract Unit Price bid per each on the next estimate.
2. Until Final Acceptance, perform all required maintenance according to Subsection 702.3.07 when necessary or as ordered by the Engineer.

If the Contractor fails to properly maintain the landscaping, daily charges shall be assessed against any money due or that may become due the Contractor in accordance with the schedule of deductions shown in Subsection 108.08, but not less than \$150 per calendar day, and will continue until project maintenance is approved by the Engineer.

The charges are in addition to those specified for delay or failure in completing the Work within the specified time.

3. After the first semi-final inspection, the Department will pay 15 percent of the Contract Unit Price bid per each of the live, viable plants.
4. After the second semi-final inspection, the Department will pay 15 percent of the Contract Unit Price bid per each of the live, viable plants.

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5. At Final Acceptance, the Department will pay the remaining 20 percent less the Full Contract Unit Price bid per each plant not accepted.

Payments are full compensation for furnishing, planting, replanting as required, pruning, staking, guying, soil conditioning, and preparing plant beds, including applying additives, digging plant pits, preparing plant topsoil and mulch, disposing of waste material, and maintaining the plants during the plant-establishment period.

### B. Fertilizer

All grades of fertilizer applied in the spring, measured as specified above, are paid for at the Contract Price per pound (kilogram) or per ton (megagram), whichever is indicated in the proposal. Payment is full compensation for furnishing and applying and for watering regenerated areas.

For native restoration, stream buffer and marsh restoration areas, the addition of fertilizer or lime is prohibited.

### C. Perimeter Stakes

Perimeter stakes will not be measured for payment. The cost will be included in the overall contract price.

### D. Landscape Mulch

Landscape mulch measured for payment will be paid for as follows:

1. After mulching satisfactorily, the Department will pay 40 percent of the Contract Unit Price bid per square yard (meter).
2. After satisfactorily completing mulch (topdressing) in August of the first plant establishment period, the Department will pay 15 percent of the Contract Unit Price bid per square yard (meter).
3. After satisfactorily completing mulch (topdressing) in April of the second plant establishment period, the Department will pay 15 percent of the Contract Unit Price bid per square yard (meter).
4. After satisfactorily completing mulch (topdressing) in August of the second plant establishment period, the Department will pay 15 percent of the Contract Unit Price bid per square yard (meter).
5. After satisfactorily completing mulch (topdressing) in April of the final planting season, (a month before the Final Inspection), the Department will pay 15 percent of the Contract Unit Price bid per square yard (meter). Such payment shall be full compensation for furnishing, installing, topdressing, and maintaining mulch as required.
6. Do not mulch marsh restoration areas.
7. Do not apply additional applications of mulch after the initial application in stream buffer restoration areas.

Payment will be made under:

<b>Item No. 702</b>	Plant Name and Size	Per each
<b>Item No. 702</b>	Fertilizer, Spring Application	Per ton (megagram)
<b>Item No. 702</b>	Landscape Mulch	Per square yard (meter)
<b>Item No. 702</b>	Spring Application Fertilizer	Per pound (kilogram)
<b>Item No. 702</b>	Live Stakes and Planting	Per each
<b>Item No. 702</b>	Perimeter Stakes	Per each
<b>Item No. 702</b>	Bare Root Seedling Planting	Per each

### 702.5.01 Adjustments

General Provisions 101 through 150.