GWINNETT COUNTY PLANNING AND DEVELOPMENT

RECEIVED

5/9/2024

CHANGE IN CONDITIONS APPLICATION

AN APPLICATION TO AMEND THE OFFICIAL ZONING MAP OF GWINNETT COUNTY, GEORGIA

| APPLICANT INFORMATION | PROPERTY OWNER INFORMATION | | | | |
|---|--|--|--|--|--|
| Name: Jams Athletics | Name: Zoar Church Family Land Trust | | | | |
| Address: <u>1350 Winesap Court NE</u> | Address: 274 Washington Ave NE | | | | |
| City: <u>Conyers</u> City: <u>Marietta</u> | | | | | |
| State: <u>Ga</u> ZIP: <u>30013</u> | State: <u>Ga</u> ZIP: <u>30060-1979</u> | | | | |
| Phone:770-469-1677 | Phone: <u>404-783-0957</u> | | | | |
| Email: <u>elizabethmarsh@jamsathletics.com</u> | Email: Bill@brumbylaw.com | | | | |
| Contact Person: <u>Bobby Bullard</u> | Phone:678-344-1293 | | | | |
| Contact's Email: <u>blpbobby@bellsouth.ne</u> | t | | | | |
| APPLICANT Owner's Agent Property | IS THE: Owner X Contract Purchaser | | | | |
| Zoning District(s): <u>C-2</u> | Prior Zoning Case No.: <u>RZC-06-013</u> | | | | |
| Parcel Number(s): 6/020/126 Acreage: 3.285 | | | | | |
| Property Address(es): 4002 Zoar Church Rd | | | | | |
| Proposed Change in Conditions: See letter of | intent & Rezoning/CIC exhibit plan | | | | |
| Variance(s): See letter of intent & Rezoning/CIC ex | xhibit planWaiver(s): | | | | |
| RESIDENTIAL DEVELOPMENT: | NON-RESIDENTIAL DEVELOPMENT | | | | |
| No. of Dwelling Units: <u>N/A</u> | No. of Buildings:1 | | | | |
| Dwelling Unit Sq. Ft.: | Total Building Sq. Ft.: <u>22,530</u> | | | | |
| Density: | Floor Area Ratio: 0.20 | | | | |
| Floor Area Ratio (LRR, MRR, HRR): | | | | | |
| MIXED-USE D | EVELOPMENT | | | | |
| No. of Dwelling Units: <u>N/A</u> | Dwelling Unit Sq. Ft.: | | | | |
| Total Non-Residential Sq. Ft.: F | loor Area Ratio: | | | | |

5/9/2024

STANDARDS GOVERNING THE EXERCISE OF THE ZONING POWER

Pursuant to requirements of the United Development Ordinance, the Board of Commissioners finds that the following standards are relevant in balancing the interest in promoting the public health, safety, morality, or general welfare against the right to the unrestricted use of property and shall govern the exercise of the zoning power.

Please respond to the following standards in the space provided or use attachment as necessary:

(A) Whether a proposed change in conditions will permit a use that is suitable in view of the use and development of adjacent and nearby property:

The proposed change in conditions will permit a use (recreation-indoor-daycare) that is suitable for the Neighborhood Node Character Area which it is located in.

(B) Whether a proposed change in conditions will adversely affect the existing use or usability of adjacent or nearby property:

The proposed change in conditions will not adversely affect the existing use or usability of adjacent or nearby property.

- (C) Whether the property to be affected by a proposed change in conditions has reasonable economic use as currently zoned: The property to be affected by a proposed change in conditions does not have reasonable <u>economic use as currently zoned with the existing conditions. The original conditions were</u> based on a concept plan that did not have a feasible design.
- (D) Whether the proposed change in conditions will result in a use which could cause an excessive or burdensome use of existing streets, transportation facilities, utilities, or schools:

The proposed change in conditions will not result in a use which could cause an excessive or burdensome use of existing streets, transportation facilities, utilities, or schools. The majority of kids that will be using the facility will be transported to the facility in vans.

- (E) Whether the proposed change in conditions is in conformity with the policy and intent of the Unified Plan and Future Development Map: The proposed change in conditions is in conformity with the policy and intent of the Unified Plan and Future Development Map.
- (F) Whether there are other existing or changing conditions affecting the use and development of the property which give supporting grounds for either approval or disapproval of the proposed change in conditions: There are existing conditions that affect the development and use of the property as the property is narrow which affects full compliance with some of the original rezoning conditions and current UDO requirements.

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5/9/2024

Gwinnett County Planning Division Change in Conditions Application Last Updated 12/2023

CHANGE IN CONDITIONS APPLICANT'S CERTIFICATION

The undersigned below is authorized to make this application. The undersigned is aware that no application or reapplication affecting the same land shall be acted upon within six (6) months from the date of last action by the Board of Commissioners.

3 .21.2 Signature of Applicant Date

Elizabeth Marsh-Jams Athletics (Owner) Type or Print Name and Title

Signature of Notary Public

Date

3/2/120



Notander

GWINNETT COUNTY PLANNING AND DEVELOPMENT RECEIVED 5/9/2024

Gwinnett County Planning Division Change in Conditions Application Last Updated 12/2023

CHANGE IN CONDITIONS PROPERTY OWNER'S CERTIFICATION

The undersigned below, or as attached, is the owner of the property considered in this application. The undersigned is aware that no application or reapplication affecting the same land shall be acted upon within six (6) months from the date of last action by the Board of Commissioners.

William 1 Signature of Property Owner

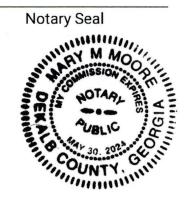
3-14-24

Date

Zoar Church Family Land Trust-William Brumby (Trustee) Type or Print Name and Title

Signature of Notary Public

Date



6

CONFLICT OF INTEREST CERTIFICATION FOR CHANGE IN CONDITIONS

The undersigned below, making application for a change in conditions, has complied with the Official Code of Georgia Section 36-67A-1, et. seq, <u>Conflict of Interest in Zoning Actions</u>, and has submitted or attached the required information on the forms provided.

| Elin Marth | | Elizabeth Marsh-Jams Athletics (Owner) |
|------------------------|------|--|
| Signature of Applicant | Date | Type of Print Name and Title |

| Signature of Applicant's | Date | Type or Print Name and Title |
|----------------------------|---------------|------------------------------|
| Attorney or Representative | | |
| | | I CHANNESION |
| her Arala Allathurs | 3)21/24 | NOTARY RES |
| Signature of Notary Public | Date | Alotary Seal |
| | | ALB CONTINUES |
| DISCLO | SURE OF CAMPA | IGN CONTRIBUTIONS |

Have you, within the two years immediately preceding the filing of this application, made campaign contributions aggregating \$250.00 or more to a member of the Board of Commissioners?

Yes

X No

Elizabeth Marsh-Jams Athletics (Your Name)

If the answer is yes, please complete the following section:

| NAME AND OFFICAL POSITION OF GOVERNMENT OFFICIAL | CONTRIBUTIONS (List all which aggregate to \$250 or More) | DATE CONTRIBUTION WAS MADE (Within last two years) | | | |
|--|---|--|--|--|--|
| | | | | | |
| | | | | | |
| | | | | | |

Attach additional sheets if necessary to disclose or describe all contributions.

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5/9/2024

VERIFICATION OF CURRENT PAID PROPERTY TAXES FOR CHANGE IN CONDITIONS

The undersigned below is authorized to make this application. The undersigned certifies that all Gwinnett County property taxes billed to date for the parcel listed below have been paid in full to the Gwinnett County Tax Commissioner. In no case shall an application or reapplication for change in conditions be processed without such property verification.

A SEPARATE VERIFICATION FORM MUST BE COMPLETED FOR EACH TAX PARCEL INCLUDED IN THE CHANGE IN CONDITIONS REQUEST.

Parcel I.D. Number: 6/020/126

(Map Reference Number)

Signature of Applicant

Date

3.21-21

Elizabeth Marsh-Jams Athletics (Owner)

Type or Print Name and Title

PLEASE TAKE THIS FORM TO THE TAX COMMISSIONERS OFFICE AT THE GWINNETT JUSTICE AND ADMINISTRATION CENTER, 75 LANGLEY DRIVE. <u>THIS FORM MUST BE</u> SIGNED BY A REPRESENTATIVE OF THE TAX COMMISSIONER'S OFFICE.

TAX COMMISSIONERS USE ONLY

Payment of all property taxes billed to date for the above referenced parcel has been verified as paid current and confirmed by the signature below.

Name Date

Title

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Bullard Land Planning, Inc.

3790 Cannonwolde Drive Snellville, Georgia 30039 (678) 344-1293 www.bullardlandplanning.com blpbobby@bellsouth.net

Jams Athletics 4002 Zoar Church Rd Snellville, Ga. 30039

Gwinnett Department of Planning and Development Planning Division 446 W. Crogan St. Lawrenceville, Georgia 30046 678-518-6000 Of

> RE: Letter of Intent Rezoning CIC-original case # RZC-06-013 Subject Parcel <u>6/020/126</u> April 30th, 2024

To Whom It May Concern,

Enclosed is a Rezoning Change in Conditions application for 4002 Zoar Church Road in Snellville. The property is 3.285 acres and is currently zoned C2 and undeveloped. This parcel was shown as Phase 2 of a phased development plan called "Centerville Plaza" that was rezoned under rezoning case number RZC-06-013. Phase 1 (between this parcel and Annistown Rd) was built after this rezoning was approved in 2006 but Phase 2 was never taken past a Conceptual Plan that was included as part of the RZC-06-013 rezoning case.

This new development, Jams Athletics, is a facility that offers a wide range of activities for children and provides transportation from their different schools to the facility. While at the facility the kids can complete homework, have snacks, and engage in different sports or other creative activities.

This new plan for Jams Athletics has very few similarities to the Phase 2 Conceptual Plan that was part of that original rezoning case. This fact has necessitated these Change in Conditions requests.

The following are the enumerated conditions from the original Rezoning Case number RZC-06-013 and the changes that are being requested: (original condition language is in black and the requested changes and explanations are in red). Also see attached original signed zoning resolution with redlined changes.

- 1. To restrict the use of the property as follows:
 - A. Retail, service commercial and accessory uses. Proposed use is recreation-indoor.
 - B. Abide by all requirements of the Activity Center/Overlay district. Except the variances and waiver from the overlay and general UDO requirements requested below:

Site Variance 1 - ALLOW VARIANCE FROM SECTION 214.20.3(E)(3) THAT CALLS FOR A MAXIMUM 10% OF TOTAL PARKING SPACES IN FRONT OF BUILDING AND A MAXIMUM 30% OF TOTAL PARKING SPACES ON THE SIDES OF BUILDING. ALLOW PARKING SPACE LOCATIONS AS SHOWN ON THE REZONING/CIC EXHIBIT PLAN BY BULLARD LAND PLANNING INCLUDED WITH THIS REZONING CIC SUBMITTAL THIS VARIANCE IS NEEDED DUE TO THE NARROW SHAPE OF THE PROPERTY AND THE ENTRANCE ORIENTATION FROM ANNISTOWN RD AND NOT ZOAR CHURCH ROAD.

Site Variance 2 - ALLOW VARIANCE FROM SECTION 214.20.3(E)(4) THAT CALLS FOR PRIMARY BUILDING FACADE AND ENTRANCE TO BE LOCATED NO MORE THAN 70 FEET FROM THE PUBLIC RIGHTS-OF-WAY. ALLOW PROPOSED BUILDING TO BE LOCATED IN THE GENERAL LOCATION THAT IT IS SHOWN ON PLAN. THE DETENTION POND FOR THIS PROJECT NEEDS TO BE WHERE IT IS SHOWN ON THE PLAN FRONTING ZOAR CHURCH ROAD AS THIS IS THE LOW POINT OF THE SITE.

Site Variance 3 - ALLOW VARIANCE FROM SECTION 230-30.13.A THAT CALLS FOR ALL ACCESSORY BUILDINGS OR STRUCTURES TO BE LOCATED IN REAR OR SIDE YARDS. ALLOW DUMPSTER AND ENCLOSURE TO BE IN FRONT YARD (BETWEEN BUILDING AND ZOAR CHURCH RD). THIS AREA THAT THE PROPOSED DUMPSTER IS SHOWN IN

GWINNETT COUNTY PLANNING AND DEVELOPMENT

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WILL ACTUALLY BE THE REAR YARD AS BUILDING AND ENTRANCE ARE ORIENTED TOWARD ANNISTOWN RD AND NOT ZOAR CHURCH ROAD.

Site Variance 4 - ALLOW VARIANCE FROM SECTION 230.30.7 THAT CALLS FOR ALL ACCESSORY BUILDINGS OR STRUCTURES TO BE LOACTED IN REAR OR SIDE YARDS. ALLOW PLAYGROUND AREA TO BE IN FRONT YARD (BETWEEN THE BUILDING AND ZOAR CHURCH RD). THIS AREA THAT THE PLAYGROUND IS IN WILL ACTUALLY BE THE REAR YARD AS THE BUILDING AND ENTRANCE ARE ORIENTED TOWARD ANNISTOWN RD AND NOT ZOAR CHURCH ROAD.

Site Variance 5 - ALLOW VARIANCE FROM SECTION 230.80.3(B) THAT SAYS NO WALL OR FENCE CONSTRUCTED OF WOVEN WIRE OR METAL FABRIC (CHAIN LINK) SHALL EXTEND INTO A FRONT YARD. ALLOW BLACK VINYL COATED CHAIN LINK FENCE AROUND THE PLAYGROUND AREA. THIS AREA THAT THE PLAYGROUND IS IN WILL ACTUALLY BE THE REAR YARD AS THE BUILDING AND ENTRANCE ARE ORIENTED TOWARD ANNISTOWN RD AND NOT ZOAR CHURCH ROAD.

Site Variance 6 - ALLOW VARIANCE FROM SECTION 214-20.3 THAT CALLS FOR SIDEWALKS TO BE ADDED THAT CONNECT ENTRANCE(S) OF BUILDINGS TO THE PUBLIC RIGHT-OF-WAY. NO SIDEWALK TO BE ADDED ALONG ZOAR CHURCH RD AND NO SIDEWALK CONNECTION TO ENTRANCE OF BUILDING FROM ZOAR CHURCH RD. NO 2'X8' CONCRETE PAD TO BE ADDED ALONG ZOAR CHURCH RD. SIDEWALK CONNECTION TO BE PROVIDED FROM THE PROPOSED BUILDING ENTRANCE TO THE EXISTING SIDEWALK ON ANNISTOWN RD.

Site Variance 7 - ALLOW VARIANCE FROM SECTION 214-20.3 THAT CALLS FOR STREETLIGHTS ALONG PUBLIC RIGHT-OF-WAY. NO STREETLIGHTS TO BE PROVIDED ALONG THE ZOAR CHURCH RD. EXISTING STREETLIGHTS EXIST ALONG THE ENTRANCE RIGHT OF WAY OF ANNISTOWN RD.

Architectural Variance 1 – ALLOW A VARIANCE FROM UDO SECTION 6.1.1-B THAT CALLS FOR THE FRONT, SIDES, AND REAR FACADES SHALL INCORPORATE CHANGES IN BUILDING MATERIAL, TEXTURE, AND COLOR. BUILDING MASS SHALL INCORPORATE PLAN OFFSETS (MINIMUM OFFSET SHALL BE 2 FEET) EVERY 50 LINEAR FEET. EXTERIOR WALLS SHALL INCORPORATE FEATURES SUCH AS STORE FRONT/WINDOWS, COLONNADE OPENINGS, FALSE WINDOWS, DECORATIVE TOWER FEATURES, AND/OR RECESSED PANELS REMINISCENT OF WINDOWS AND DOORS, EVERY 50 LINEAR FEET. WE HAVE INCLUDED STORE FRONT WINDOWS AND DOORS ALONG ALL SIDES OF THE BUILDING. WE ARE REQUESTING A VARIANCE FROM HAVING TO HAVE MIN. 2. OFFSETS EVERY 50 FT. THIS IS A SIMPLE GYM BUILDING. REQUIRING ADDITIONAL WALL OFF SETS WOULD ADD UNNECCESSARY SQUARE FOOTAGE.

Architectural Variance 2 – ALLOW A VARIANCE FROM UDO SECTION 6.1.2-A&B. THAT CALLS FOR FLAT ROOF BUILDINGS TO INCORPORATE ARTICULATED PARAPETS OR FAÇADE PROJECTIONS SUCH AS PORTICOES OR TOWERS EVERY 50 LINEAR FEET ON ALL SIDES OF THE BUILDING. OR B. PITCHED ROOF BUILDINGS SHALL INCORPORATE ARTICULATED FEATURES EVERY 50 LINEAR FEET ON THE FRONT ELEVATION. ARTICULATED FEATURES SHALL INCLUDE ROOF EAVE HEIGHT CHANGES, TOWERS, SPIRES, CUPOLAS, DORMERS, AND/OR GABLES. ROOFING MATERIAL SHALL BE LIMITED TO STANDING SEAM METAL, NATURAL SLATE OR STONE SHINGLES, TRADITIONAL TILE, OR ARCHITECTURAL DIMENSIONAL SHINGLES. THE PROPOSED ROOF SLOPE IS 1/2:12 WHICH NEARLY FLAT BUT STILL SLIGHTLY SLOPED. WE ARE REQUESTING TO KEEP THE PARAPET HEIGHTS CONSISTENT. WE WILL COMPLY WITH SECTION 6.1.1-J BY SHOWING ON THE PLANS AN APPROX. 2' TALL EIFS CORNICE TRIM ON 3 SIDES, THAT WILL BE A MINIMUM OF A FOOT THICK OR GREATER. ALONG THE NEW FRONT ELEVATION (FACING ANNISTOWN ROAD) THERE WILL BE A LEAN-TO ROOF EXTENTION AND A DRIVE THRU CANOPY TO BREAK UP ANY CONTINUOUS STRAIGHT WALL.

Architectural Variance 3 – ALLOW A VARIANCE FROM UDO SECTION 6.1.2-D. THAT REQUIRES ALL ROOF MOUNTED EQUIPMENT, SUCH AS MECHANICAL UNITS, VENT HOODS, COMMUNICATION DEVICES, AND/OR OTHER BUILDING SYSTEM(S) EQUIPMENT, SHALL BE SCREENED FROM VIEW ON ALL SIDES OF THE BUILDING. ROOF SCREENING HEIGHT SHALL BE EQUAL TO THE HEIGHT OF THE EQUIPMENT. ROOF SCREENING DESIGN SHALL INCLUDE PARAPETS, SECONDARY ROOF SCREENING SYSTEMS, AND/OR INDIVIDUAL EQUIPMENT SCREENS. BUILDINGS WITH NON-PARAPET ROOF EDGES EXCEEDING 50 LINEAR FEET SHALL INCORPORATE SECONDARY ROOF SCREENING SYSTEMS THAT ENCLOSE GROUPS OF EQUIPMENT UNITS RATHER THAN A "BOX" AROUND INDIVIDUAL UNITS. SECONDARY SCREENING SYSTEMS AND/OR INDIVIDUAL EQUIPMENT SCREENS SHALL BE A MATERIAL CONSISTENT WITH THE FINISH MATERIALS OF BUILDING FACADES. ALTERNATIVE 5/14/2024

SCREEN MATERIALS SUCH AS DECORATIVE ABS PANELS WITH A TEXTURED STUCCO PATTERN MAY BE SUBMITTED FOR CONSIDERATION. WE WOULD LIKE A VARIANCE TO AVOID ENCLOSING THE OPEN END AKA THE GUTTER/ LOW SIDE OF THE ROOF TO AVOID ENCLOSING THE LOW SIDE FOR DRAINAGE REASONS. WE BELIEVE THAT A GUTTER AND DOWNSPOUTS WOULD MORE EFFECTIVELY REMOVE WATER VERSUS A PARAPET WALL WITH DRAINAGE SCUPPLERS. IT IS OUR OPINION THAT USING DRAINAGE SCUPPLERS ON THE LOW EAVE SIDE CREATES POTENTIAL ENTRY POINTS FOR WATER INTRUSION INTO THE BUILDING. THE LOW EAVE SIDE OF THE BUILDING ABUTTS O-I ZONED PROPERTY, THUS WE DO NOT BELIEVE THAT ANY ROOF TOP EQUIPMENT WOULD BE VISBLE BY ADJACENT RESIDENTIAL PROPERTIES.

- 2. To satisfy the following site development conditions:
 - A. Provide a 50-foot enhanced buffer along the frontage of Zoar Church Rd. The plantings shall be a mix of Red Maples, Athena Elms, Loblolly and Virginia Pines similar to the planting at the adjacent Wal-mart site. The buffer shall also have a berm at least 5 feet in height. Final design of berm and plantings shall be reviewed and approved by the Director of Planning and Development.

ALLOW CHANGE IN CONDITION 2(A) TO READ, "PROVIDE A 20 FOOT ENHANCED BUFFER ALONG THE FRONTAGE OF ZOAR CHURCH RD. THE PLANTINGS SHALL BE A MIX OF RED MAPLES, ATHENA ELMS, AND LOBLOLLY PINES SIMILAR TO THE PLANTING AT THE ADJACENT WALMART SITE. ALLOW FOR MODERN UDO LANDSCAPING SPECIES. FINAL PLANTING DESIGN SHALL BE REVIEWED AND APPROVED BY THE DIRECTOR OF PLANNING AND DEVELOPMENT. THIS VARIANCE IS NEEDED BECAUSE OF THE DETENTION POND'S LOCATION IN THIS LOW TOPOGRAPHY AREA NEAR ZOAR CHURCH RD. THE POND DAM WILL SERVE AS AN ADDITIONAL BERM AND EXISTING TREES ALONG WITH PROPOSED TREES WHERE NEEDED WILL PROVIDE AN EXTENSIVE VISUAL SCREEN OF THE PROPERTY FROM ZOAR CHURCH RD.

- B. Owner shall repaint or repair any graffiti or vandalism that occurs on the property within 72 hours.
- C. Prior to the issuance of the first Certificate of Occupancy for Phase II of the Centerville Plaza project as described in the rezoning application acquire all necessary right-of-way and easements and design and construct a center left turn lane on Zoar Church Road at the project driveway. All design and construction will be subject to review and approval by the Gwinnett County Department of Transportation. At the option of the D.O.T.deposit an equivalent amount of money for a future road improvement project on Zoar Church Road.

ELIMINATE THIS CONDITION ENTIRELY AS NO ENTRANCE DRIVE IS PROPOSED ALONG ZOAR CHURCH RD

Waiver Request - ALLOW WAIVER FROM SECTION 360.90 THAT CALLS FOR SIDEWALKS TO BE ADDED ON ABUTTING EXTERNAL STREETS. NO SIDEWALK TO BE ADDED ALONG THE FRONTAGE OF ZOAR CHURCH RD. THE EXISTING SIDEWALK IS PROVIDED ALONG ENTRANCE TO THE SITE FROM ANNISTOWN RD. ALSO ADDING SIDEWALK ON ZOAR CHURCH RD WOULD ELIMINATE MULTIPLE 15 TO 30 FOOT EXISTING EVERGREEN AND HARDWOOD TREES WHICH ARE NEEDED FOR THE VISUAL SCREENING BUFFER.

Sincerely, <u>Elizabeth Marsh</u> Applicant

5/9/2024

CASE NUMBER <u>RZC-06-013</u> GCID <u>2006-0111</u>

BOARD OF COMMISSIONERS

GWINNETT COUNTY

LAWRENCEVILLE, GEORGIA

RESOLUTION

READING AND ADOPTION:

At the regular meeting of the Gwinnett County Board of Commissioners, held in the Justice and Administration Center Auditorium, 75 Langley Drive, Lawrenceville, Georgia.

| Present | VOTE | |
|-------------------------------|------|---------|
| Charles Bannister, Chairman | AYE | |
| Lorraine Green, District 1 | AYE | |
| Albert Nasuti, District 2 | AYE | |
| Michael Beaudreau, District 3 | AYE | |
| Kevin Kenerly, District 4 | AYE | هر په د |

On motion of <u>COMM. BEAUDREAU</u>, which carried 5-0, the following resolution was adopted:

A RESOLUTION TO AMEND THE OFFICIAL ZONING MAP

WHEREAS, the Municipal-Gwinnett County Planning Commission has held a duly advertised public hearing and has filed a formal recommendation with the Gwinnett County Board of Commissioners upon an Application to Amend the Official Zoning Map from

<u>O-I</u> to <u>C-2</u> by <u>PELLERIN & SALOMON REAL ESTATE SERVICES</u> for the proposed use of <u>COMMERCIAL RETAIL USES</u> on a tract of land described by the attached legal description, which

CASE NUMBER <u>RZC-06-013</u> GCID <u>2006-0111</u>

is incorporated herein and made a part hereof by reference; and

WHEREAS, notice to the public regarding said Amendment to the Official Zoning Map has been duly published in THE GWINNETT DAILY POST, the Official News Organ of Gwinnett County; and

WHEREAS, a public hearing was held by the Gwinnett County Board of Commissioners on <u>JANUARY 24</u>, 2006 and objections were not filed.

NOW, THEREFORE, BE IT RESOLVED by the Gwinnett County Board of Commissioners this the <u>24TH</u> day of <u>JANUARY</u>, 2006, that the aforesaid application to amend the Official Zoning Map from <u>O-I</u> to <u>C-2</u> is hereby APPROVED subject to the following enumerated conditions:

1. To restrict the use of the property as follows:

A. Retail, service commercial and accessory uses.

B. Abide by all requirements of the Activity

Allow variances listed on the letter of intent for Jams Athletics dated 03-11-24 and listed on the Rezoning CIC exhibit plan sheet by Bullard Land Planning dated 04/30/2024 To satisfy the following site development conditions:

> A. Provide a 50 foot enhanced buffer along the frontage of Zoar Church Road. The plantings shall be a mix of Red Maples, Athena Elms, Loblolly and Virginia Pines similar to the planting at the adjacent Wal mart site. The buffer shall also have a berm at least 5 feet in height. Final design of berm and plantings shall be reviewed and approved by the Director of Planning and Development.

Allow change in condition 2(A) to read, "provide a 20 foot enhanced buffer along the frontage of Zoar Church Rd. The plantings shall be a mix of Red Maples, Athena Elms, and Loblolly Pines similar to the planting at the adjacent Walmart site. Trees shall not be planted in the slope of the dam of the proposed stormwater detention pond. Final Planting design shall be reviewed by the Director of Planning and Development. Allow for modern UDO landscaping species.



CASE NUMBER <u>RZC-06-013</u> GCID <u>2006-0111</u>

- B. Owner shall repaint or repair any graffiti or vandalism that occurs on the property within 72 hours. Eliminate condition 2(C) as no driveway access is proposed from Zoar Church Rd per the Rezoning CIC Exhibit plan sheet by Bullard Land Planning dated 03/11/2024
 C. Prior to the issuance of the first Certificate of
- C. Filled to the issuance of the first tertificate of Occupancy for Phase II of the Centerville Plaza project as described in the rezoning application acquire all necessary right-of-way and easements and design and construct a center left turn lane on Zoar Church Road at the project driveway. All design and construction will be subject to review and approval by the Gwinnett County Department of Transportation. At the option of the D.O.T. deposit an equivalent amount of money as determined by the D.O.T. for a future road improvement project on Zoar Church Road.

COUNTY BOARD GWINNETT OF COMMISSIONERS By: arles E. Bannister, Cha irman 13100 Date Signed:

ATTEST:

NO KO County Clerk/Deputy County Clerk

BEAR GEORGI



GwinnettCounty.com

Public Participation Plan

1. Who do you intend to contact in addition to property owners within 1,000 feet of the site, if any?

No additional invitees will be contacted other than all property owners within 1,000

feet of the property.

2. Where do you plan to host the Public Participation Meeting? Ensure that the meeting is held in person at a convenient location for interested parties.

The meeting will be held at a covered pavilion at Lenora Park/4515 Lenora Church Rd/

Snellville, Ga. 30039. It is 4.1 miles from the subject property at 4002 Zoar Church Rd.

3. What date and time do you plan to host the Public Participation Meeting? Ensure that the meeting is held at a convenient time for interested parties, e.g. not during typical work hours on weekdays.

The meeting will be held on Monday 06/03 from 5:30 to 7:30 pm

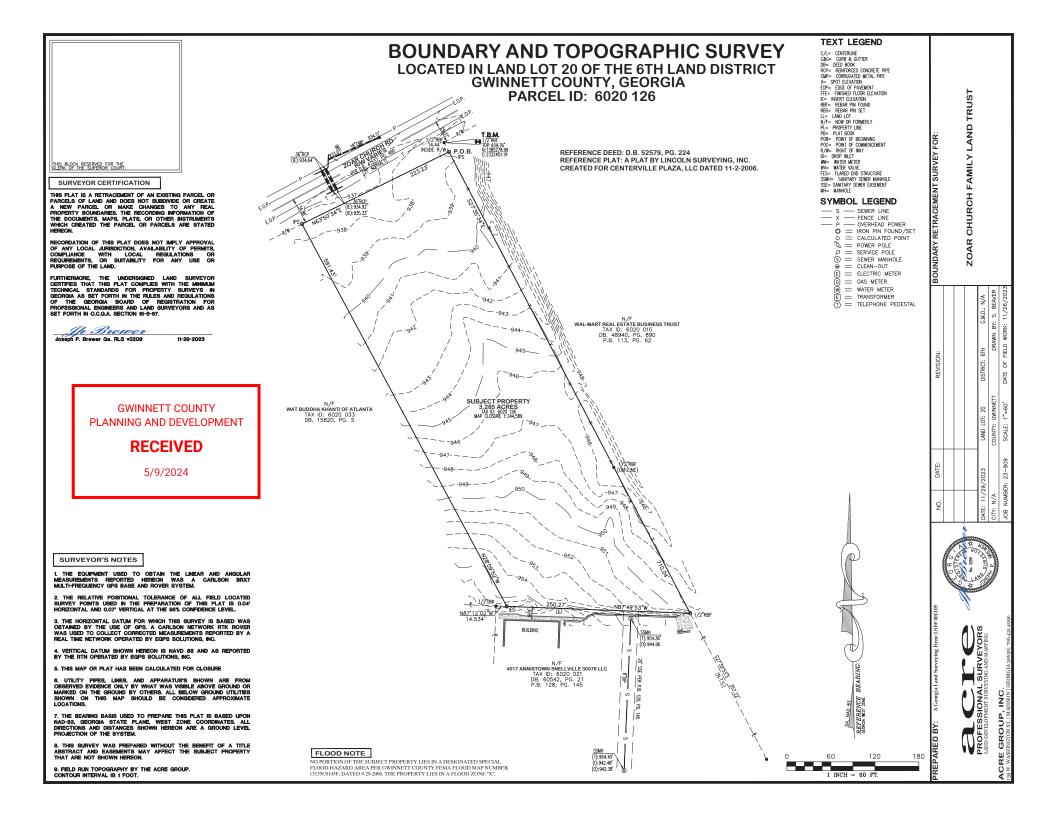
4. What is your method for providing opportunities for discussion with interested parties at the Public Participation Meeting?

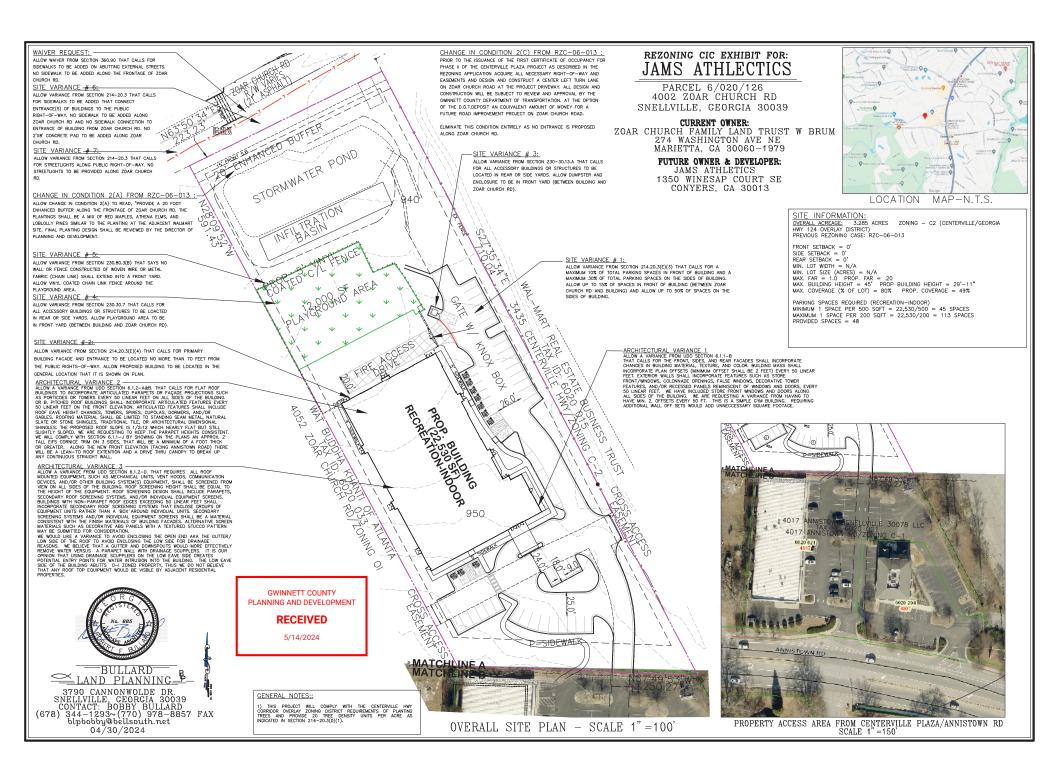
We will provide a presentation of the Rezoning CIC Plan for the development and explain

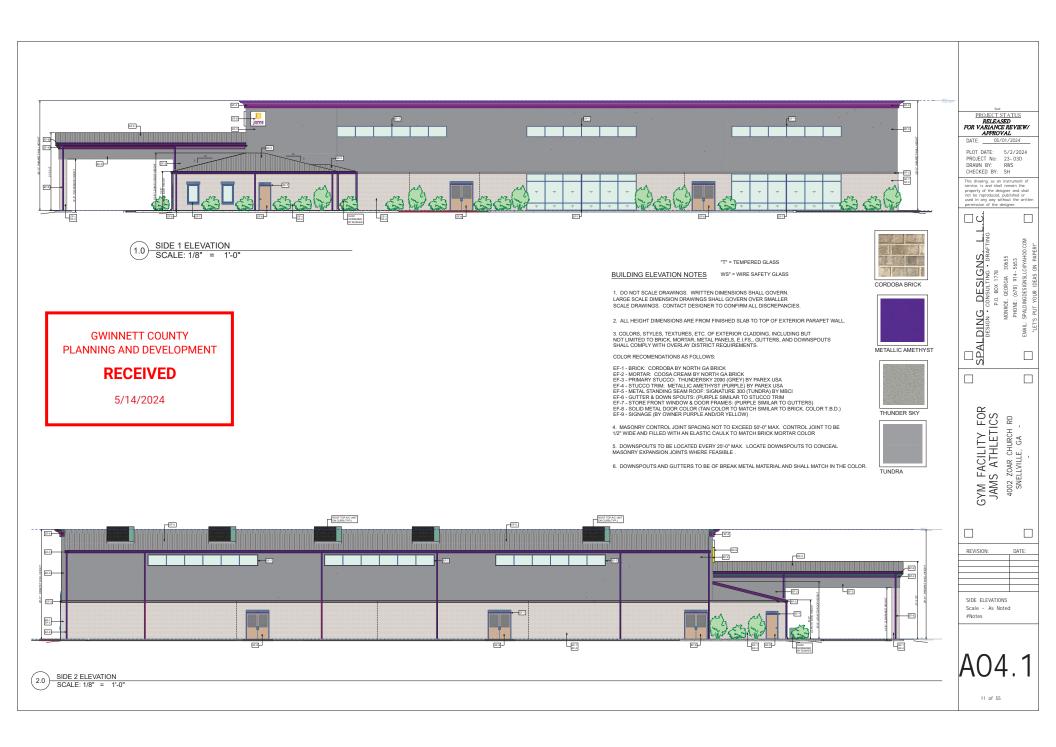
to all meeting attendees the details of what is being requested in this rezoning CIC

and then answer any questions that these attendees may have.



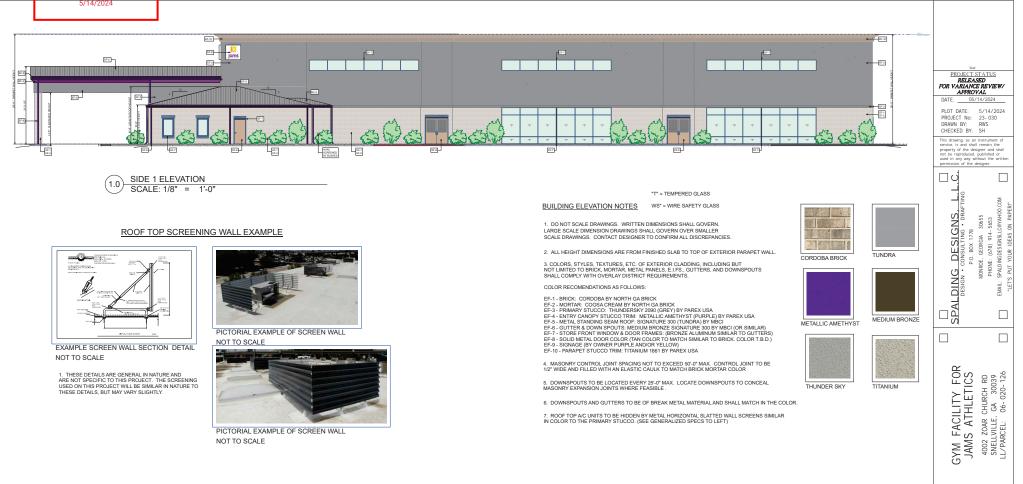














GWINNETT COUNTY PLANNING AND DEVELOPMENT RECEIVED

5/14/2024

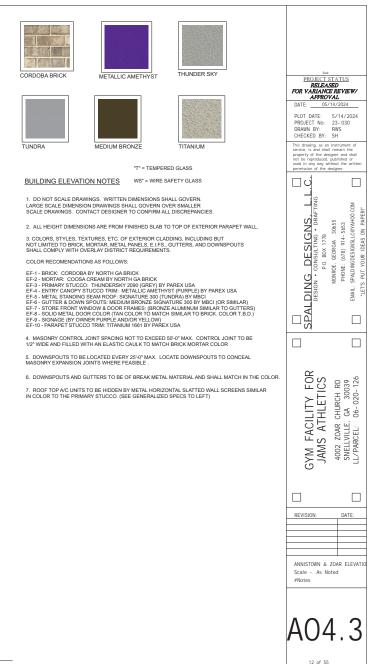


(3.0) ZOAR RD ELEVATION SCALE: 1/8" = 1'-0"



5.0 PROPOSED COLOR RENDERING NOT TO SCALE







GWINNETT COUNTY DEPARTMENT OF WATER RESOURCES

684 Winder Highway | Lawrenceville, GA 30045-5012 678.376.6700 www.gwinnettcounty.com | www.gwinnetth2o.com

January 8, 2024

Elizabeth Marsh Jams Athletics 1350 Winesap Court SE Conyers, GA 30013 APPROVED DENIED CONDITIONALLY APPROVED Sewer Capacity Request #C2024-008-01 Expiration Date: 01/08/2025 Tie-In Manhole FID: 1225370

RE: Sewer Availability for Proposed Development – Jams Athletics Parcel ID 6020 126 GWINNETT COUNTY PLANNING AND DEVELOPMENT RECEIVED 5/14/2024

Dear Ms. Marsh:

Gwinnett County Department of Water Resources (GCDWR) has reviewed the impact of the proposed development consisting of <u>a 21,850-sf fitness center/indoor recreation facility</u> on the above parcel and determined:

Gwinnett County has adequate sewer capacity to serve the proposed development.

This confirmation is based on your anticipated annual average daily flow of **7.59 gpm** discharging to the sewer tie-in manhole at Facility ID **1225370**.

Capacity Allocation: Sewer capacities are allocated only upon the issuance of a Development Permit, by Gwinnett County Planning & Development and after all applicable conditions established in this Sewer Capacity Certification, if any, are met.

Certification Expiration: The Sewer Capacity Certification is valid for 12 months from the date of this letter. If rezoning is approved, GCDWR will issue a revised Sewer Capacity Certification based on the approved units, as needed. The capacity request can be renewed for an additional 12 months. If a Development Permit has not been obtained by the expiration date above the developer may apply for renewal by providing evidence of active rezoning, plan review, or permitting efforts.

Once the Sewer Capacity Certification expires, the capacity is no longer allocated, and a new Sewer Capacity Certification request must be submitted for re-evaluation with no guarantee of available capacity. The evaluation will be based on the updated conditions of the sewer system.

Certification Invalidation: This certification is not valid if there are proposed changes to your development that could impact downstream sewer capacity (e.g. land use density, sewer tie-in manhole, parcel changes, and/or rezoning). In this case the development must resubmit for a new Sewer Capacity Request with updated information prior to the expiration of the previous one.



684 Winder Highway | Lawrenceville, GA 30045-5012 678.376.6700 www.gwinnettcounty.com | www.gwinnetth2o.com

Please contact us at 678-376-7026 if you have any questions.

Sincerely,

GWINNETT COUNTY DEPARTMENT OF WATER RESOURCES

Jai ye Su

Tai Yi Su, PE Division Director, Infrastructure Support 678.376.2104

GWINNETT COUNTY PLANNING AND DEVELOPMENT RECEIVED 5/14/2024

C: Gwinnett County DWR – Lorraine Campagne, Section Manager; Raghu Vemuru, Engineer V; Mikala Weston, Engineer III Gwinnett County P&D – Charli Young, Planning Manager; Geniva Sylvain, Engineer I; Christina Dejarnette, Engineer I



WATER RESOURCES SEWER CAPACITY CERTIFICATION REQUEST

GWINNETT COUNTY

Submit completed, signed, sealed form, and documents to: DWRCapacityCertification@GwinnettCounty.com

GWINNETT COUNTY PLANNING AND DEVELOPMENT RECEIVED

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| Select Request Type: | DWR Use Only: |
|-------------------------|--|
| ✓ New Request | Capacity Certification Request No. <u>C2024-008-01</u> |
| Revise Existing Request | Approved* Conditionally Approved* Denied* |
| Renew Request | Printed Name: <u>Tai Yi Su, P.E. Infrastructure Support Division Director</u> Signature: <u>Jai Yi Su</u> |

Gwinnett County Planning and Development Permit No.: ____

Check if development/project requires public or private pump station:

| Development/Project Name: Jams Athletics | | | |
|--|-------|--------------------------------|----------------------|
| Development Address: 4002 Zoar Church Rd | | (City) <u>Snellville</u> | _ (Zip) <u>30039</u> |
| Parcel Number(s): 6/020/126 | | | |
| Project Description: Proposed Indoor Recreation Facility | | | |
| Total Area of Development: <u>3.285</u> | acres | | |
| If residential, total number of units: | | Density: | units/acre |
| Property Owner Name: Zoar Church Family Land Trust | | | |
| Property Owner Email: | | Phone #: <u>678-344-1293</u> | |
| Developer Name: Elizabeth Marsh | | Company: Jams Athletics | |
| Address: 1350 Winesap Court SE | | | |
| Contact Name: Elizabeth Marsh | | | |
| Developer Email: elizabethmarsh@jamsathletics.com | | Phone #: <u>678-344-1293</u> | |
| Engineering Firm: Bullard Land Planning | | | |
| Contact Name: Bobby Bullard | | | |
| Engineer Email: blpbobby@bellsouth.net | | _ Phone #: <u>678-344-1293</u> | |
| Additional Recipients: | | | |
| Recipient(s) Email(s): | | | |

| DWR Use Only | | | | | | |
|---|---|---|--|--|--|--|
| Capacity Certification Re | Capacity Certification Request No.: C2024-008-01 | | | | | |
| | Development/Project Name: Jams Athletics | | | | | |
| Gwinnett County Plannin | g and Development Permit No.: | (if available) | | | | |
| Total requested flow for | development in gallons per minute (gpm): 7.59 |) | | | | |
| Flow (gpm) 7.59 | to tie-in manhole facility ID: 122537 | 0 | | | | |
| Flow (gpm) | low (gpm)to tie-in manhole facility ID: | | | | | |
| low (gpm)to tie-in manhole facility ID: | | | | | | |
| Flow (gpm) | to tie-in manhole facility ID: | | | | | |
| Estimated Dates for: | Proposed use is Fitness Center. Prop. SF = 21,85 10,925 (AADF) / 1400 = 7.59 AADF (GPM), no pro | | | | | |
| Rezoning: <u>N/A</u> | ^1440 | | | | | |
| Begin Construction: Estima | ated 06-01-2024 | GWINNETT COUNTY PLANNING AND DEVELOPMENT | | | | |
| Completion/Occupancy: | 12-15-2024 | RECEIVED 5/14/2024 | | | | |
| Include the following in t | he submittal package: | | | | | |

GIS map showing proposed development, surrounding utilities, and location of tie-in manhole <u>https://gis.gwinnettcounty.com/GISDataBrowser</u>

✓ Detailed flow calculations for proposed development project based on attached guidelines (page 4-11)

- Average annual daily flow (gpm)
- Peak flow (gpm) for all commercial, and mixed-use projects
- Instantaneous peak flow (gpm) for all industrial projects
- Batch discharges from processing facilities
- Private pump station flow rates

✓ Proposed utility plan

Design Professional sign/seal:



Robert F. Balla

Date: 12-26-23

DWR Received

DEC 26 2023

Submit completed, signed, sealed form, and documents to:

DWRCapacityCertification@GwinnettCounty.com

678.376.7026

PLEASE ALLOW A MINIMUM OF 10 BUSINESS DAYS FOR PROCESSING.

| DWR Use Only | |
|--|-----------------|
| Capacity Certification Request No.: C2024-008-01 | |
| Development/Project Name: Jams Athletics | |
| Gwinnett County Planning and Development Permit No.: | _(if available) |
| Name of downstream pump station: <u>CENTERVILLE</u> | |
| Name of sewer sub-basin: NORRIS LAKE | |

Gwinnett County Department of Water Resources Recommendations

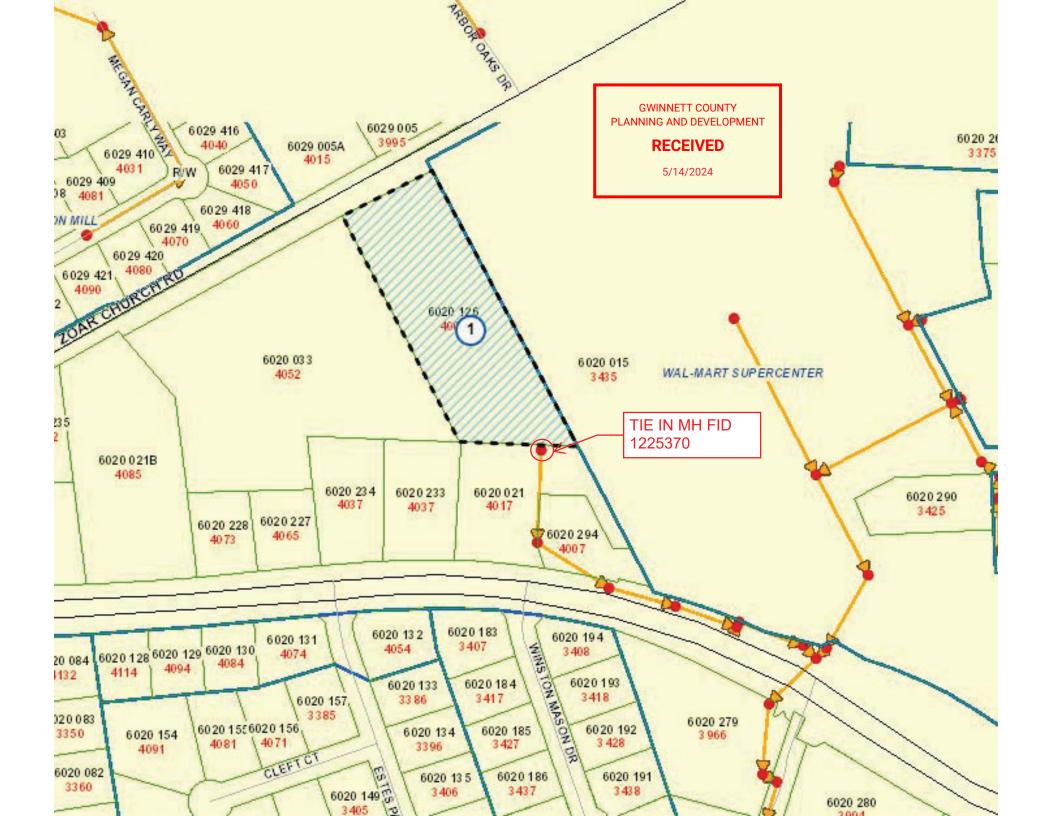
Approved – Downstream sewer facilities have adequate capacity to accommodate flows.

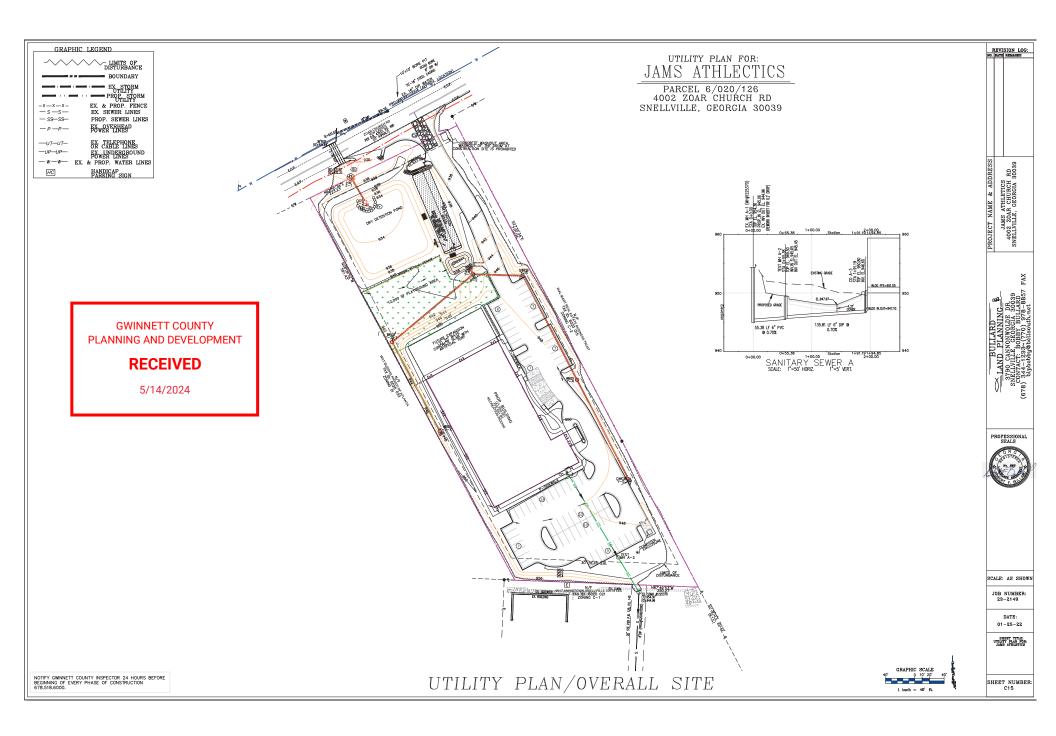
Conditionally Approved – Downstream sewer facilities can serve the proposed development/ project under the following conditions:

Denied – Due to the following:

GWINNETT COUNTY PLANNING AND DEVELOPMENT RECEIVED 5/14/2024

SEWER CAPACITY CERTIFICATION REQUEST (Rev. 10/2022) 3 | 3





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5/14/2024

Jams Athletics Development

MANA

Traffic Impact Study

Prepared for: Bullard Land Planning, Inc.

Prepared by: KCI Technologies Inc.

2160 Satellite Boulevard, Suite 130 Duluth, GA 30097

www.kci.com

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678.990.6200

March 2024

KCI Project #312401301

RISE TO THE CHALLENGE

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Jams Athletics Development

Traffic Impact Study

Prepared for: Bullard Land Planning, Inc.

Prepared by:

KCI Technologies Inc. 2160 Satellite Boulevard, Suite 130 Duluth, GA 30097

www.kci.com

678.990.6200

March 2024

KCI Project #312401301





RISE TO THE CHALLENGE

Executive Summary

The purpose of this study is to evaluate the potential traffic impacts of the proposed *Jams Athletics* development. The site is located in Gwinnett County along the north side of Annistown Road, just west of the Walmart Driveway signalized intersection. Based on the concept plan (dated 01/29/2024), the +/-3.285-acre development proposes a 21,850 square foot recreational building. The zoning plan (see Appendix B) for the development illustrates the site layout and the proposed site access via an access easement through the Centerville Plaza parcel to the intersection of Annistown Road at Winston Mason Drive/Centerville Plaza driveway.

Annistown Road is a four-lane roadway, with a posted 45-mph speed limit in the area of the proposed development. This study performed an analysis of existing traffic conditions for Annistown Road at Winston Mason Drive/Centerville Plaza driveway where the development proposes access to the existing intersection.

The Gwinnett County DOT traffic impact study guidelines, version 1 (June 30, 2023) was utilized. Based on the proposed development project trips, the traffic study scope included Level 2 elements. Based on prior experience with Gwinnett County, the traffic impact study network consisted of the one existing intersection of Annistown Road at Winston Mason Drive/Centerville Plaza Driveway. Based on existing conditions, Annistown Road at Winston Mason Drive/Centerville Plaza Driveway is currently operating at an acceptable level of service during the AM peak hour and PM peak hour.

The traffic impact study identified no additional geometric improvements are needed to accommodate the proposed development. Based on expected trips from the proposed development, and the Gwinnett County requirements, the current geometry and traffic control at the study intersection is expected to accommodate the Jams Athletics development volumes.



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GWINNETT COUNTY PLANNING AND DEVELOPMENT **RECEIVED** 5/14/2024

Tables

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Figure 2 – Aerial & Access Locations

Figure 3 – Existing Traffic Conditions

Figure 4 – Project Trip Distribution

B: Concept Plan

- C: Traffic Count Data
- D: Capacity Analysis Reports

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1. Existing Conditions

1.1 Site Conditions

The proposed development is located on undeveloped property. **Figure 1** provides a general location map. **Figure 2** is an aerial that shows the site location and the proposed site driveway (Figures included in Appendix A). Access to the property is proposed to be provided at one location. The proposed site access is via an access easement through the Centerville Plaza parcel to the intersection of Annistown Road at Winston Mason Drive/Centerville Plaza driveway. (The concept plan is included in Appendix B). Nearby land uses are residential and commercial.

1.2 Roadway Conditions

Annistown Road travels in the east-west direction in the vicinity of the proposed development. Annistown Road is a four-lane median divided facility that is functionally classified as a minor arterial by Gwinnett County DOT with a posted speed limit of 45 mph. The roadway has urban shoulders with curb and gutter and sidewalk on both sides of the roadway.

The intersection of Annistown Road at Winston Mason Drive/Centerville Plaza driveway operates with side-street stop-control and has the following lane configuration:

- Northbound Winston Mason Drive (stop-control): one shared left-turn/through/right-turn lane
- Southbound Centerville Plaza Driveway (stop-control): one shared left-turn/through/right-turn lane
- Eastbound Annistown Road: one left-turn lane, two through lanes, and one right-turn lane
- Westbound Annistown Road: one left-turn lane, one through lane, and one shared through/rightturn lane

Gwinnett County Transit does not provide bus routes near the development site.

1.3 Traffic Volumes

Traffic counts were collected on February 27th, 2024, for use in the traffic analysis. The traffic data collected included:

- 4-hr Turning Movement Count (7-9am & 4-6pm) at the following locations:
 - 1. Annistown Road at Winston Mason Drive/Centerville Plaza Driveway

Gwinnett County collected a bi-directional average daily traffic (ADT) count on Annistown Road, between Ross Road and Centerville Highway on June 22, 2021, and the weekday volume was 22,968 vehicles.

Figure 3 (in Appendix A) illustrates the existing 2024 traffic volumes. The 2024 traffic volumes are indicated in the Intersection Volume Development tables included in the Appendix E.

GWINNETT COUNTY PLANNING AND DEVELOPMENT **RECEIVED** 5/14/2024

2. Future Conditions

2.1 Future Roadway Conditions

A review of Gwinnett County and Georgia DOT planned and programmed transportation projects was performed. There were no planned projects found near the study area.

3. Proposed Development Traffic

Project traffic was calculated for the proposed development. Project traffic is defined as the vehicular trips expected to be generated by the development and distributed over the roadway network.

3.1 Trip Generation

The project driveway volumes were calculated based on the Institute of Transportation Engineers' (ITE) Trip Generation Manual, Eleventh Edition. The development proposes a 21,850 square foot recreational building. The most applicable ITE land use (LU) code is LU 495 (Recreational Community Center). Due to the development type, pass-by reductions and internal capture reductions were not included for the traffic analysis. **Table 1** below summarizes the trips expected daily, during the AM peak hour and during the PM peak hour for the development.

| Table 1: Proposed Site Trip Generation | | | | | | | | |
|--|-----------|---------------|--------------|------|--------------|-------|------|-------|
| Land Lice (ITE Code) | | | AM Peak Hour | | PM Peak Hour | | | |
| Land Use (ITE Code) | Units - | Two-Way Total | Enter | Exit | Total | Enter | Exit | Total |
| Recreational Community Center (495) | 21,850 SF | 628 | 28 | 14 | 42 | 42 | 48 | 90 |
| Driveway Total | 5 | 628 | 28 | 14 | 42 | 42 | 48 | 90 |

3.2 Trip Distribution and Assignment

An overall trip distribution and assignment of project trips was based on existing traffic patterns and a review of land uses and the street network in the area. This information was used to apply the project traffic volumes at the study intersections and development driveway.

The directional distribution for the proposed development is estimated to be:

- o 60% to/from the east along Annistown Road
- $\circ\quad$ 40% to/from the west along Annistown Road

Project trip distribution is illustrated in Figure 4 in Appendix A.

GWINNETT COUNTY PLANNING AND DEVELOPMENT **RECEIVED** 5/14/2024

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4. Capacity Analysis

Capacity analysis was performed at the study intersections for the weekday AM and PM peak hours. Intersection Level of Service (LOS) was calculated based on the methodologies contained in the Highway Capacity Manual, 6th Edition. The Synchro Studio software, which utilizes the HCM 6th Edition methodology, was utilized to perform the analyses.

Capacity is defined as the maximum number of vehicles that can pass over a particular road segment or through a particular intersection within a specified period under prevailing roadway, traffic, and control conditions. Level of service (LOS) is used to describe the operating characteristics of a road segment or intersection in relation to its capacity. LOS is defined as a qualitative measure that describes operational conditions and motorist's perceptions. The Highway Capacity Manual defines six levels of service, LOS A through LOS F. Level of service A indicates excellent operations with little delay to motorists, while level of service F indicates extremely long delay.

Level of service for unsignalized intersections is calculated for the average control delay incurred for vehicles on the stop control approach, compared to the average control delay per vehicle for all approaches at a signalized intersection. Control delay for vehicles include initial deceleration delay, queue move-up time, stopped delay, and final acceleration delay. **Table 2** below indicates the relationship between delay and LOS for signalized and unsignalized intersections, respectively. Level-of-service "E" is typically considered to be the limit of acceptable delay.

Several factors affect the controlled delay for unsignalized intersections, including the availability of gaps in the cross-street traffic, and acceptable gap time to make the movement from the stop position. For stop-control intersections, LOS E and F exist when there are insufficient gaps in traffic, resulting in long delays. Low level of service for stop-control approaches are not uncommon at major cross-streets.

| Table 2: Level of Service Criteria | | | | | |
|------------------------------------|---|---------------------------|--|--|--|
| Level of Service | Average Control Delay Per Vehicle (sec) | | | | |
| | Signalized Intersection | Unsignalized Intersection | | | |
| A | ≤10 | ≤10 | | | |
| В | >10 and ≤20 | >10 and ≤15 | | | |
| С | >20 and ≤35 | >15 and ≤25 | | | |
| D | >35 and ≤55 | >25 and ≤35 | | | |
| E | >55 and ≤80 | >35 and ≤50 | | | |
| F | >80 | >50 | | | |

GWINNETT COUNTY PLANNING AND DEVELOPMENT RECEIVED 5/14/2024

4.1 Existing Conditions Capacity Analysis

Capacity analysis was performed for the existing year 2024 conditions and existing traffic volumes. The existing year traffic conditions and volumes are illustrated in **Figure 3**. **Table 3** summarizes the results of the capacity analysis.

| Table 3: Existing Year (2024) Level of Service | | | | | | |
|--|-------------------------|----------|---------------------------------|---------------------------------|--|--|
| Intersection | Intersection Control | Approach | AM Peak Hour LOS (Delay*) | PM Peak Hour LOS (Delay*) | | |
| Annistown Rd at Winston Mason Dr/Centerville Plaza Driveway | Stop-Control | NB SB | B (14) C (18) | B (12) C (22) | | |

*Average vehicle delay in seconds

Annistown Road at Winston Mason Drive/Centerville Plaza Driveway is currently operating at an acceptable level of service during the AM peak hour and PM Peak Hour.

4.2 Turn Lane Analysis at Site Driveway

Gwinnett County has criteria for installation of right-turn lanes as set forth by the Unified Development Ordinance (UDO) for County-maintained roads. The County UDO states that right-turn deceleration lanes shall be provided at each project driveway or subdivision street entrance that is provided street access to a Minor Collector Street or major Thoroughfare. Since there is already a westbound right-turn lane on Annistown Road, no additional lanes are needed.

Additionally, Gwinnett County has minimum requirements for left-turn deceleration lanes as set forth by the County's *Criteria and Guidelines for Left Turn Lanes*. Since Annistown Road is a 4-lane route, has a posted speed limit of 45 mph, and has average daily traffic (ADT) greater than 10,000 vehicles per day, the left-turn criteria states that if there will be more than 25 left-turning vehicles in the peak hour, then left-turn deceleration lanes would be warranted. Since there is already an eastbound left-turn lane on Annistown Road, no additional lanes are needed.

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5. Recommendations

Recommendations for access for the proposed Jams Athletics development are based on existing conditions, the proposed development use, and expected traffic volumes. The need for dedicated turn lanes at the proposed development driveway and appropriate traffic control (i.e. stop control) were based on Gwinnett County criteria. Recommendations were based on transportation industry standards and engineering judgment.

5.1 Recommended Driveway Geometry

The traffic impact study identified no additional geometric improvements are needed to accommodate the proposed development. Based on expected trips from the proposed development, and the Gwinnett County requirements, the current geometry and traffic control at the study intersection is expected to accommodate the Jams Athletics development volumes.

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Appendices

- Appendix A
 - o Figures
- Appendix B
 - o Concept Plan
- Appendix C
 - o Traffic Count Data
- Appendix D
 - o Capacity Analysis Reports

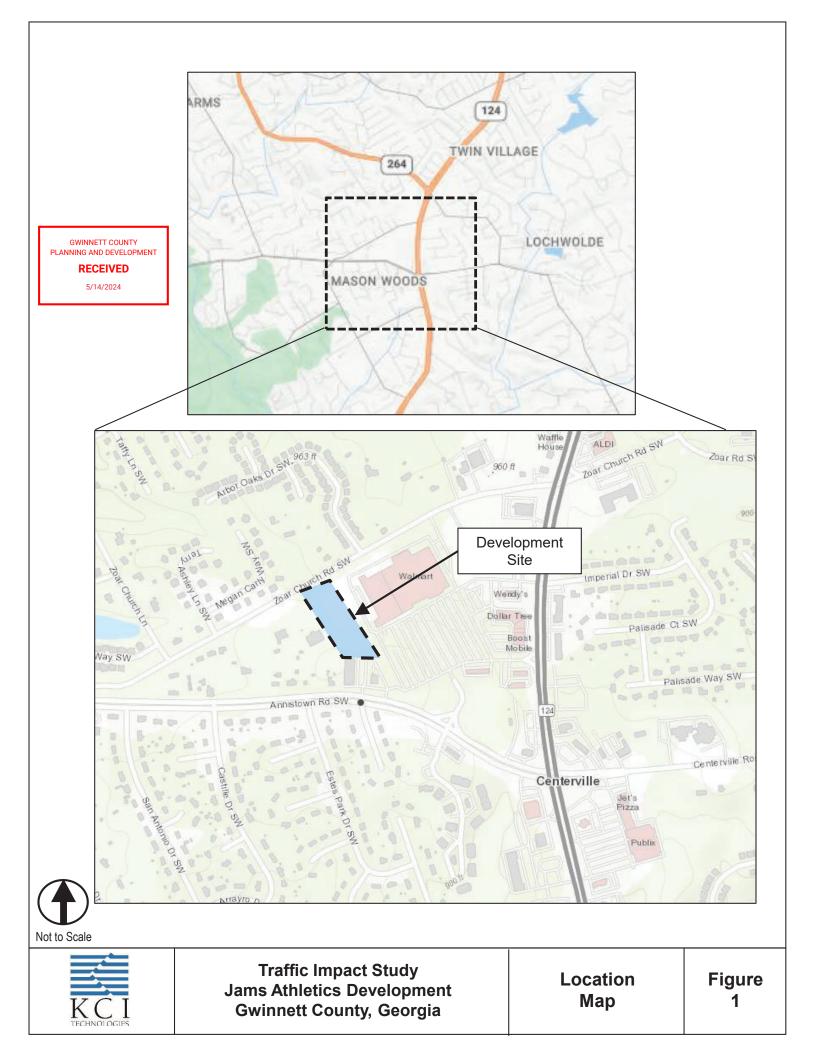
GWINNETT COUNTY PLANNING AND DEVELOPMENT RECEIVED 5/14/2024



Appendix A Figures

GWINNETT COUNTY PLANNING AND DEVELOPMENT RECEIVED 5/14/2024

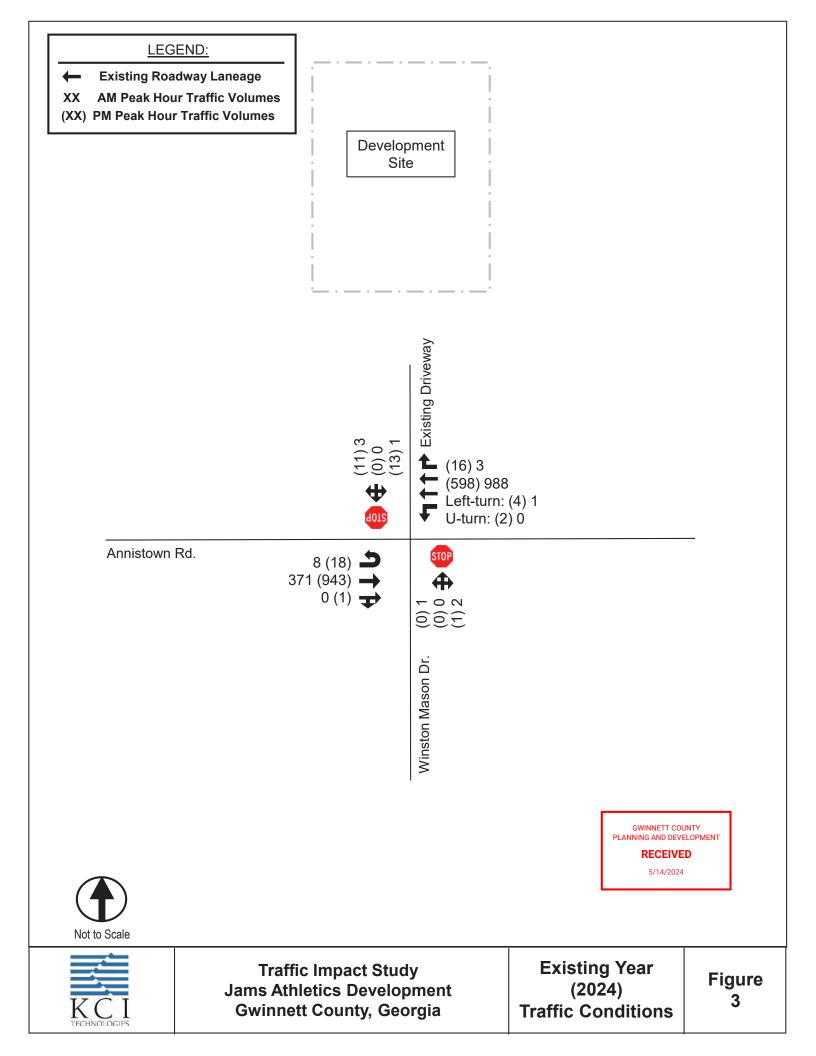


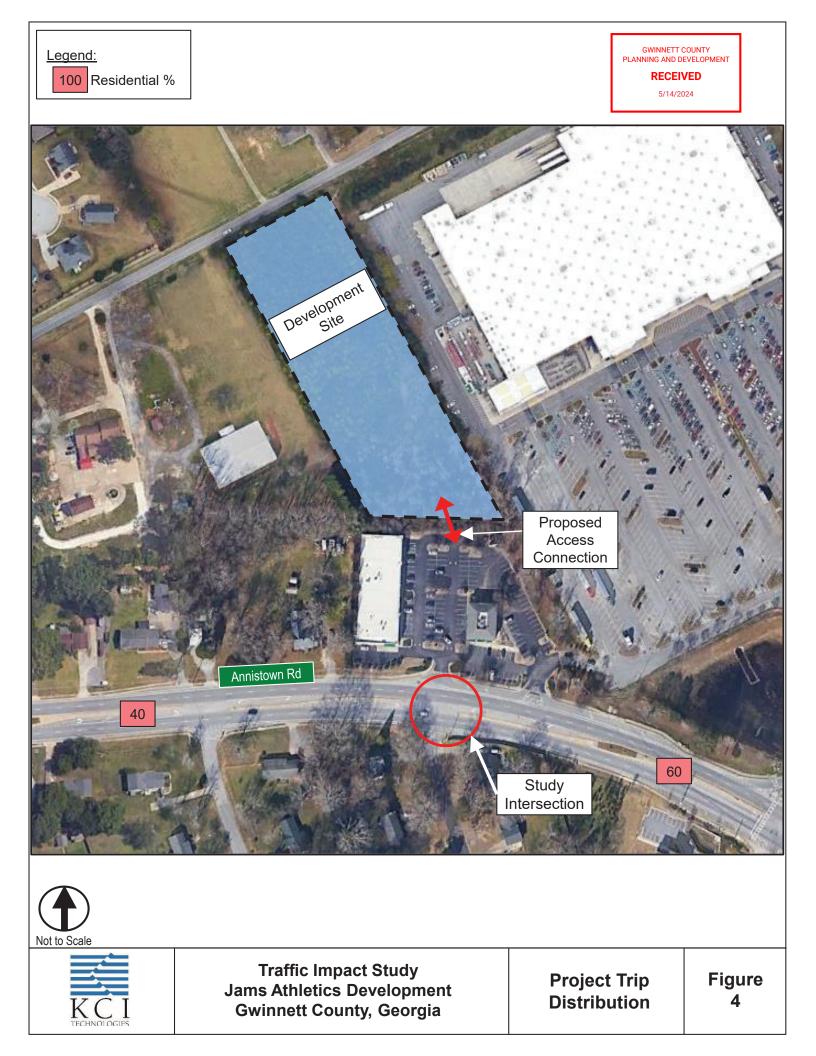




KCI TECHNOLOGIES Traffic Impact Study Jams Athletics Development Gwinnett County, Georgia Aerial & Access Locations

Figure 2

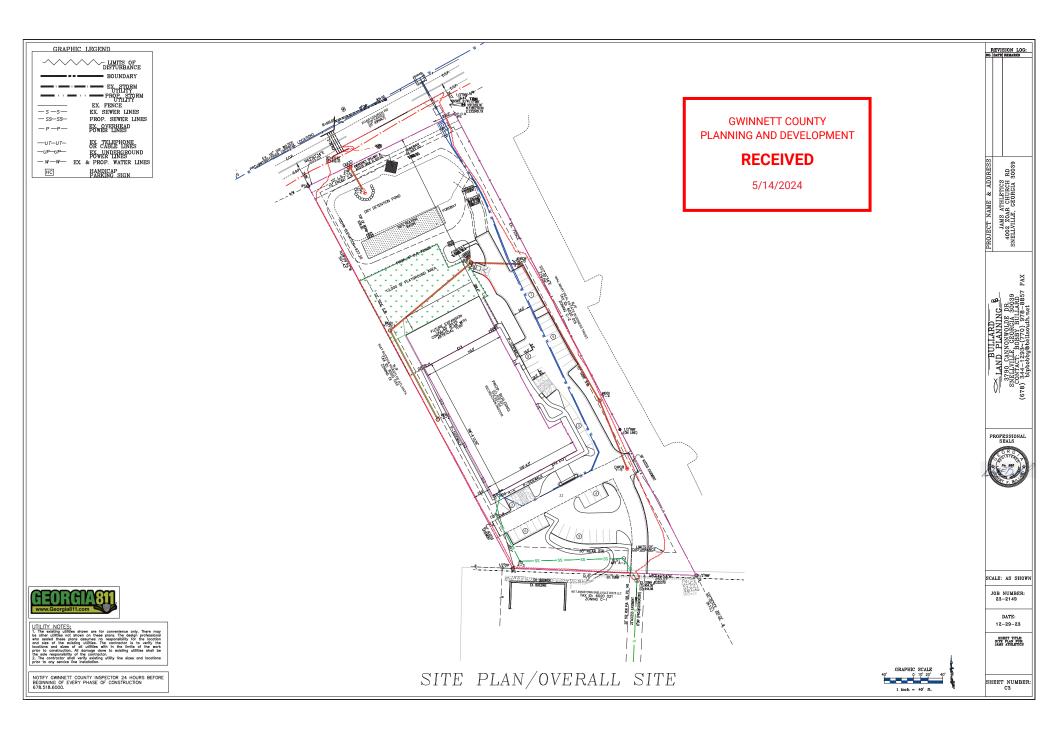




Appendix B Concept Plan

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Appendix C Traffic Count Data

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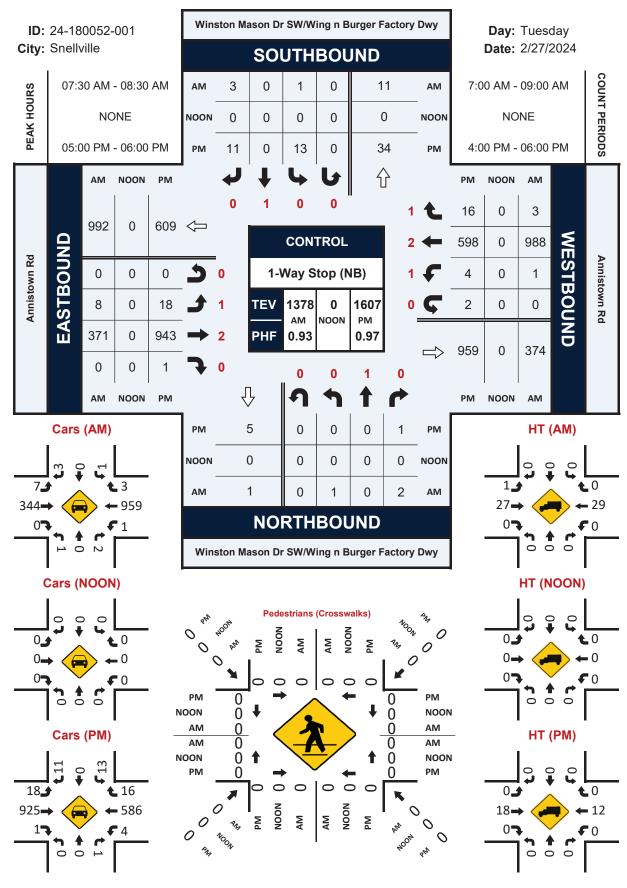
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5/14/2024



Winston Mason Dr SW/Wing n Burger Factory Dwy & Annistown Rd

Peak Hour Turning Movement Count



Project ID: 24-180052-001 Location: Winston Mason Dr SW/Wing n Burger Factory Dwy & Annistown Rd City: Snellville

PLANNING AND DEVELOPMENT RECEIVED

Day: Tuesday Date: 2/27/2024

| | | | | | | | | | | Groups | Printed | - Cars, | PU, Var | is - Hea | vy Truc | ks | | | | | | | | | |
|-------------------------------|----------|----------|----------|----------|----------|------------|----------|----------|--------|--------|----------|---------|----------|------------|---------|----------|-----|------------|-------|------------|----------|----------|-----|------------|-------------|
| | nston M | ason D | | | urger Fa | ctory D | nston M | ason Di | | | urger Fa | ctory D | | | Annisto | | | | | | Annisto | | | | |
| | | | North | | | | | | | bound | | | | - 1 | Eastb | | | | | _ | Westb | | | | |
| Start Time | Left | Thru | Rgt | Uturn | | App. Total | Left | Thru | Rgt | | Peds | | Left | Thru | | Uturn | | App. Total | Left | Thru | Rgt | Uturn | | App. Total | Int. Total |
| 7:00 AM | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 70 | 0 | 0 | 0 | 70 | 1 | 271 | 0 | 0 | 0 | 272 | 343 |
| 7:15 AM | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 2 | 1 | 72 | 0 | 0 | 0 | 73 | 1 | 217 | 1 | 0 | 0 | 219 | 295 |
| 7:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76 | 0 | 0 | 0 | 76 | 1 | 251 | 1 | 0 | 0 | 253 | 329 |
| 7:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 3 | 2 | 84 302 | 0 | 0 | 0 | 86 305 | 0 | 251 990 | 1 | 0 | 0 | 252 996 | 341 1308 |
| Total 8:00 AM | 0 | 0 | 1 | 0 | 0 | 2 | 2 | 0 | 3 | 0 | 0 | 5 | 3 5 | 302 97 | - | 0 | 0 | 305 102 | 3 | 990 235 | 3 | - | 0 | | 338 |
| 8:00 AM 8:15 AM | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 97 114 | 0 | 0 | 0 | 102 | 0 | 235 | 0 | 0 | 0 | 235 252 | 338 370 |
| 8:30 AM | 0 | 0 | 3 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 2 | 3 | 85 | 0 | 0 | 0 | 88 | 0 | 251 | 0 | 0 | 0 | 252 | 310 |
| 8:45 AM | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 2 | 2 | 89 | 1 | 0 | 0 | 92 | 0 | 185 | 1 | 0 | 0 | 186 | 280 |
| Total | 1 | 0 | 6 | 0 | 0 | 7 | 0 | 0 | 4 | 0 | 0 | 4 | 11 | 385 | 1 | 0 | 0 | 397 | 0 | 888 | 2 | 0 | 0 | 890 | 1298 |
| ***BREAK*** | | 0 | 0 | 0 | 0 | ' | 0 | 0 | 4 | 0 | 0 | 4 | | 505 | | 0 | 0 | 557 | 0 | 000 | 2 | 0 | 0 | 030 | 1230 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4:00 PM | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 4 | 0 | 0 | 5 | 1 | 248 | 0 | 0 | 0 | 249 | 0 | 133 | 1 | 2 | 0 | 136 | 391 |
| 4:15 PM | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 2 | 6 | 221 | 0 | 0 | 1 | 227 | 1 | 119 | 1 | 0 | 0 | 121 | 351 |
| 4:30 PM | 0 | 0 | 1 | 0 | 0 | 1 | 5 | 0 | 5 | 0 | 0 | 10 | 9 | 229 | 0 | 0 | 0 | 238 | 0 | 124 | 5 | 0 | 0 | 129 | 378 |
| 4:45 PM | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 0 | 2 | 0 | 0 | 4 | 3 | 244 | 1 | 0 | 0 | 248 | 1 | 134 | 1 | 0 | 0 | 136 | 389 |
| Total | 0 | 0 | 4 | 0 | 0 | 4 | 8 | 0 | 13 | 0 | 1 | 21 | 19 | 942 | 1 | 0 | 1 | 962 | 2 | 510 | 8 | 2 | 0 | 522 | 1509 |
| 5:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 1 | 0 | 0 | 5 | 5 | 226 | 0 | 0 | 0 | 231 | 0 | 142 | 4 | 1 | 0 | 147 | 383 |
| 5:15 PM | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 3 | 3 | 259 | 0 | 0 | 0 | 262 | 2 | 145 | 1 | 0 | 0 | 148 | 414 |
| 5:30 PM 5:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 5 4 | 0 | 0 | 9 7 | 6 | 231 227 | 1 | 0 | 0 | 238 231 | 0 | 162 149 | 4 | 0 | 0 | 166 159 | 413 397 |
| 5:45 PM Total | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 11 | 0 | 0 | 24 | 18 | 943 | 1 | 0 | 0 | 962 | 4 | 598 | 16 | 2 | 0 | 620 | 1607 |
| | - | - | 1 | - | - | 1 | | - | | - | - | | | | | - | - | | | | | | - | | |
| Grand Total | 2 | 0 | 12 | 0 | 0 | 14 | 23 | 0 | 31 | 0 | 2 | 54 | 51 | 2572 | 3 | 0 | 1 | 2626 | 9 | 2986 | 29 | 4 | 0 | 3028 | 5722 |
| Apprch % | 14.3 | 0.0 | 85.7 | 0.0 | 0.0 | | 42.6 | 0.0 | 57.4 | 0.0 | 3.7 | | 1.9 | 97.9 | 0.1 | 0.0 | 0.0 | | 0.3 | 98.6 | 1.0 | 0.1 | 0.0 | | |
| Total % | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.2 | 0.4 | 0.0 | 0.5 | 0.0 | 0.0 | 0.9 | 0.9 | 44.9 | 0.1 | 0.0 | 0.0 | 45.9 | 0.2 | 52.2 | 0.5 | 0.1 | 0.0 | 52.9 | |
| Cars, PU, Vans | 2 | 0 | 12 | 0 | | 14 | 23 | 0 | 30 | 0 | | 53 | 49 | 2487 | 3 | 0 | | 2539 | 9 | 2896 | 29 | 4 | | 2938 | 5544 |
| % Cars, PU, Vans | 100.0 | 0.0 | 100.0 | 0.0 | | 100.0 | 100.0 | 0.0 | 96.8 | 0.0 | | 98.1 | 96.1 | 96.7 | 100.0 | 0.0 | | 96.7 | 100.0 | 97.0 | 100.0 | 100.0 | | 97.0 | 96.9 178 |
| Heavy trucks %Heavy trucks | 0 0.0 | 0 0.0 | 0 0.0 | 0 0.0 | | 0.0 | 0 0.0 | 0 0.0 | 3.2 | 0.0 | | 1.9 | 2 3.9 | 85 3.3 | 0.0 | 0 0.0 | | 87 3.3 | 0.0 | 90 3.0 | 0 0.0 | 0 0.0 | | 90 3.0 | 3.1 |
| 70meavy trucks | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | | 1.9 | 3.9 | 3.3 | 0.0 | 0.0 | | 3.3 | 0.0 | 3.0 | 0.0 | 0.0 | | 3.0 | 3.1 |

5/14/2024

GWINNETT COUNTY

| Location: City: | Winstor Snellvill | | n Dr SV | //Wing n | Burge | Factory | / Dwy ł | F | PEA | K HC | URS | 6 | | | | | | | Tuesday 2/27/202 | | |
|--------------------|----------------------|----------|----------|----------|------------|---------|---------|---------|--------|------------|------|------|--------|-------|------------|-------|------|---------|---------------------|------------|------------|
| | n Masor | Dr SW | //Wing I | n Burge | r Facto | n Masor | n Dr SW | /Wing n | Burger | Factor | | Ann | istown | Rd | | | Anr | nistown | Rd | | |
| | | No | rthbou | nd | | | Sou | uthbour | nd | | | Ea | stboun | d | | | W | estboun | d | | |
| Start Time | Left | Thru | Rgt | Uturn | App. Total | Left | Thru | Rgt | Uturn | App. Total | Left | Thru | Rgt | Uturn | App. Total | Left | Thru | Rgt | Uturn | App. Total | Int. Total |
| Peak Hour Analys | sis from (| 7:00 Al | N - 09:0 | MA 0 | | | | | | | | | | | | | | | | | |
| Peak Hour for Ent | tire Inters | ection I | Begins a | at 07:30 | AM | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 7:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 76 | 0 | 0 | 76 | 1 | 251 | 1 | 0 | 253 | 329 |
| 7:45 AM | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 3 | 2 | 84 | 0 | 0 | 86 | 0 | 251 | 1 | 0 | 252 | 341 |
| 8:00 AM | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 97 | 0 | 0 | 102 | 0 | 235 | 0 | 0 | 235 | 338 |
| 8:15 AM | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 1 | 0 | 1 | 1 | 114 | 0 | 0 | 115 | 0 | 251 | 1 | 0 | 252 | 370 |
| Total Volume | 1 | 0 | 2 | 0 | 3 | 1 | 0 | 3 | 0 | 4 | 8 | 371 | 0 | 0 | 379 | 1 | 988 | 3 | 0 | 992 | 1378 |
| % App. Total | 33.3 | 0.0 | 66.7 | 0.0 | 100 | 25.0 | 0.0 | 75.0 | 0.0 | 100 | 2.1 | 97.9 | 0.0 | 0.0 | 100 | 0.1 | 99.6 | 0.3 | 0.0 | 100 | |
| PHF | | | | | 0.375 | | | | | 0.333 | | | | | 0.824 | | | | | 0.980 | 0.931 |
| Cars, PU, Vans | 1 | 0 | 2 | 0 | 3 | 1 | 0 | 3 | 0 | 4 | 7 | 344 | 0 | 0 | 351 | 1 | 959 | 3 | 0 | 963 | 1321 |
| % Cars, PU, Vans | 100.0 | 0.0 | 100.0 | 0.0 | 100.0 | 100.0 | 0.0 | 100.0 | 0.0 | 100.0 | 87.5 | 92.7 | 0.0 | 0.0 | 92.6 | 100.0 | 97.1 | 100.0 | 0.0 | 97.1 | 95.9 |
| Heavy trucks | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 27 | 0 | 0 | 28 | 0 | 29 | 0 | 0 | 29 | 57 |
| %Heavy trucks | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.5 | 7.3 | 0.0 | 0.0 | 7.4 | 0.0 | 2.9 | 0.0 | 0.0 | 2.9 | 4.1 |

| PM | | | | | | | - D- 01 | 10 A P | | - Fastal | | | | B .(| | | | | D.I | | ı |
|----------------|-----------|----------|----------|---------|------------|---------|---------|--------|---------|------------|------|------|---------|-------------|------------|------|------|---------|-------|------------|-----------|
| | n waso | on Dr Sv | v/vving | n Burge | er Facto | on waso | n Dr Sw | //wing | n Burge | er Facto | | Ann | nistown | ка | | | An | nistown | Ra | | 1 |
| | | No | orthbou | nd | | | So | uthbou | nd | | | Ea | astbour | nd | | | V | /estbou | nd | | i i |
| Start Time | Left | Thru | Rgt | Uturn | App. Total | Left | Thru | Rgt | Uturn | App. Total | Left | Thru | Rgt | Uturn | App. Total | Left | Thru | Rgt | Uturn | App. Total | Int. Tota |
| Peak Hour Anal | ysis from | 04:00 P | M - 06:0 | 00 PM | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |

Peak Hour for Entire Intersection Begins at 05:00 PM

| 5:00 PM | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 1 | 0 | 5 | 5 | 226 | 0 | 0 | 231 | 0 | 142 | 4 | 1 | 147 | 383 |
|------------------|-----|-----|-------|-----|-------|-------|-----|-------|-----|-------|-------|------|-------|-----|-------|-------|------|-------|-------|-------|-------|
| 5:15 PM | 0 | 0 | 1 | 0 | 1 | 2 | 0 | 1 | 0 | 3 | 3 | 259 | 0 | 0 | 262 | 2 | 145 | 1 | 0 | 148 | 414 |
| 5:30 PM | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 5 | 0 | 9 | 6 | 231 | 1 | 0 | 238 | 0 | 162 | 4 | 0 | 166 | 413 |
| 5:45 PM | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 4 | 0 | 7 | 4 | 227 | 0 | 0 | 231 | 2 | 149 | 7 | 1 | 159 | 397 |
| Total Volume | 0 | 0 | 1 | 0 | 1 | 13 | 0 | 11 | 0 | 24 | 18 | 943 | 1 | 0 | 962 | 4 | 598 | 16 | 2 | 620 | 1607 |
| % App. Total | 0.0 | 0.0 | 100.0 | 0.0 | 100 | 54.2 | 0.0 | 45.8 | 0.0 | 100 | 1.9 | 98.0 | 0.1 | 0.0 | 100 | 0.6 | 96.5 | 2.6 | 0.3 | 100 | |
| PHF | | | | | 0.250 | | | | | 0.667 | | | | | 0.918 | | | | | 0.934 | 0.970 |
| Cars, PU, Vans | 0 | 0 | 1 | 0 | 1 | 13 | 0 | 11 | 0 | 24 | 18 | 925 | 1 | 0 | 944 | 4 | 586 | 16 | 2 | 608 | 1577 |
| % Cars, PU, Vans | 0.0 | 0.0 | 100.0 | 0.0 | 100.0 | 100.0 | 0.0 | 100.0 | 0.0 | 100.0 | 100.0 | 98.1 | 100.0 | 0.0 | 98.1 | 100.0 | 98.0 | 100.0 | 100.0 | 98.1 | 98.1 |
| Heavy trucks | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 18 | 0 | 12 | 0 | 0 | 12 | 30 |
| %Heavy trucks | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 1.9 | 0.0 | 2.0 | 0.0 | 0.0 | 1.9 | 1.9 |

GWINNETT COUNTY PLANNING AND DEVELOPMENT

RECEIVED

5/14/2024



5/14/2024

Appendix D Capacity Analysis Reports



RECEIVED

5/14/2024

Existing Conditions – Year 2024

0.1

Intersection

HCM LOS

Int Delay, s/veh

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR | |
|--------------------------|--------------|------|------|--------------|------|------|------|------|------|------|------|------|--|
| Lane Configurations | A | 14 | | 1 | ** | 7 | | 4 | | | 4 | | |
| Traffic Vol, veh/h | 8 | 371 | 0 | 1 | 988 | 3 | 1 | 0 | 2 | 1 | 0 | 3 | |
| Future Vol, veh/h | 8 | 371 | 0 | 1 | 988 | 3 | 1 | 0 | 2 | 1 | 0 | 3 | |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Sign Control | Free | Free | Free | Free | Free | Free | Stop | Stop | Stop | Stop | Stop | Stop | |
| RT Channelized | - | - | None | - | - | None | - | - | None | - | - | None | |
| Storage Length | 0 | - | - | 0 | - | 0 | - | - | - | - | - | - | |
| Veh in Median Storage, # | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | |
| Grade, % | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | |
| Peak Hour Factor | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | |
| Heavy Vehicles, % | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Mvmt Flow | 9 | 399 | 0 | 1 | 1062 | 3 | 1 | 0 | 2 | 1 | 0 | 3 | |
| Heavy Vehicles, % | 93 4 9 | 4 | 4 | 93 4 1 | 4 | 4 | | 2 | 2 | | 2 | 2 | |

| Major/Minor | Major1 | | | Major2 | | Ν | linor1 | | Ν | /linor2 | | | |
|----------------------|--------|---|---|--------|---|---|--------|------|------|---------|------|------|--|
| Conflicting Flow All | 1065 | 0 | 0 | 399 | 0 | 0 | 950 | 1484 | 200 | 1282 | 1481 | 531 | |
| Stage 1 | - | - | - | - | - | - | 417 | 417 | - | 1064 | 1064 | - | |
| Stage 2 | - | - | - | - | - | - | 533 | 1067 | - | 218 | 417 | - | |
| Critical Hdwy | 4.18 | - | - | 4.18 | - | - | 7.54 | 6.54 | 6.94 | 7.54 | 6.54 | 6.94 | |
| Critical Hdwy Stg 1 | - | - | - | - | - | - | 6.54 | 5.54 | - | 6.54 | 5.54 | - | |
| Critical Hdwy Stg 2 | - | - | - | - | - | - | 6.54 | 5.54 | - | 6.54 | 5.54 | - | |
| Follow-up Hdwy | 2.24 | - | - | 2.24 | - | - | 3.52 | 4.02 | 3.32 | 3.52 | 4.02 | 3.32 | |
| Pot Cap-1 Maneuver | 638 | - | - | 1142 | - | - | 215 | 124 | 808 | 122 | 124 | 493 | |
| Stage 1 | - | - | - | - | - | - | 584 | 590 | - | 238 | 298 | - | |
| Stage 2 | - | - | - | - | - | - | 498 | 297 | - | 764 | 590 | - | |
| Platoon blocked, % | | - | - | | - | - | | | | | | | |
| Mov Cap-1 Maneuver | 638 | - | - | 1142 | - | - | 211 | 122 | 808 | 120 | 122 | 493 | |
| Mov Cap-2 Maneuver | - | - | - | - | - | - | 211 | 122 | - | 120 | 122 | - | |
| Stage 1 | - | - | - | - | - | - | 576 | 582 | - | 235 | 298 | - | |
| Stage 2 | - | - | - | - | - | - | 494 | 297 | - | 751 | 582 | - | |
| | | | | | | | | | | | | | |
| Approach | EB | | | WB | | | NB | | | SB | | | |
| HCM Control Delay, s | 0.2 | | | 0 | | | 13.7 | | | 18.2 | | | |

| Minor Lane/Maior Mvmt | NBLn1 | FBI | FBT | FBR | WBI | WBT | WBR S | SBI n1 |
|-----------------------|--------|-------|-----|------|-------|------|-------|--------|
| | REELLI | | | LDIX | TIDE | 1101 | TIDIC | ODEIII |
| Capacity (veh/h) | 416 | 638 | - | - | 1142 | - | - | 277 |
| | | | | | | | | |
| HCM Lane V/C Ratio | 0.008 | 0.013 | - | - | 0.001 | - | - | 0.016 |
| | | | | | | | | |
| HCM Control Delay (s) | 13.7 | 10.7 | - | - | 8.2 | - | - | 18.2 |
| , , | _ | - | | | | | | |
| HCM Lane LOS | В | В | - | - | A | - | - | С |
| | 0 | 0 | | | 0 | | | 0 |
| HCM 95th %tile Q(veh) | 0 | 0 | | - | 0 | - | | 0 |

В

С

0.5

Intersection

Int Delay, s/veh

| Movement | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR | |
|--------------------------|------|-------------|------|------|------|----------|------|------|------|------|------|------|------|--|
| Lane Configurations | A | ≜ î⊳ | | | A | ^ | 1 | | 4 | | | 4 | | |
| Traffic Vol, veh/h | 18 | 943 | 1 | 2 | 4 | 598 | 16 | 0 | 0 | 1 | 13 | 0 | 11 | |
| Future Vol, veh/h | 18 | 943 | 1 | 2 | 4 | 598 | 16 | 0 | 0 | 1 | 13 | 0 | 11 | |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Sign Control | Free | Free | Free | Free | Free | Free | Free | Stop | Stop | Stop | Stop | Stop | Stop | |
| RT Channelized | - | - | None | - | - | - | None | - | - | None | - | - | None | |
| Storage Length | 0 | - | - | - | 0 | - | 0 | - | - | - | - | - | - | |
| Veh in Median Storage, # | - | 0 | - | - | - | 0 | - | - | 0 | - | - | 0 | - | |
| Grade, % | - | 0 | - | - | - | 0 | - | - | 0 | - | - | 0 | - | |
| Peak Hour Factor | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | |
| Heavy Vehicles, % | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Mvmt Flow | 19 | 972 | 1 | 2 | 4 | 616 | 16 | 0 | 0 | 1 | 13 | 0 | 11 | |

| Major/Minor | Major1 | | N | lajor2 | | | Ν | /linor1 | | Ν | /linor2 | | | |
|----------------------|--------|---|---|--------|------|---|---|---------|------|------|---------|------|------|--|
| Conflicting Flow All | 632 | 0 | 0 | 973 | 973 | 0 | 0 | 1331 | 1655 | 487 | 1152 | 1639 | 308 | |
| Stage 1 | - | - | - | - | - | - | - | 1011 | 1011 | - | 628 | 628 | - | |
| Stage 2 | - | - | - | - | - | - | - | 320 | 644 | - | 524 | 1011 | - | |
| Critical Hdwy | 4.18 | - | - | 6.48 | 4.18 | - | - | 7.54 | 6.54 | 6.94 | 7.54 | 6.54 | 6.94 | |
| Critical Hdwy Stg 1 | - | - | - | - | - | - | - | 6.54 | 5.54 | - | 6.54 | 5.54 | - | |
| Critical Hdwy Stg 2 | - | - | - | - | - | - | - | 6.54 | 5.54 | - | 6.54 | 5.54 | - | |
| Follow-up Hdwy | 2.24 | - | - | 2.54 | 2.24 | - | - | 3.52 | 4.02 | 3.32 | 3.52 | 4.02 | 3.32 | |
| Pot Cap-1 Maneuver | 933 | - | - | 340 | 692 | - | - | 113 | 97 | 526 | 153 | 99 | 688 | |
| Stage 1 | - | - | - | - | - | - | - | 257 | 315 | - | 437 | 474 | - | |
| Stage 2 | - | - | - | - | - | - | - | 666 | 466 | - | 504 | 315 | - | |
| Platoon blocked, % | | - | - | | | - | - | | | | | | | |
| Mov Cap-1 Maneuver | 933 | - | - | 514 | 514 | - | - | 108 | 94 | 526 | 149 | 96 | 688 | |
| Mov Cap-2 Maneuver | - | - | - | - | - | - | - | 108 | 94 | - | 149 | 96 | - | |
| Stage 1 | - | - | - | - | - | - | - | 252 | 309 | - | 428 | 468 | - | |
| Stage 2 | - | - | - | - | - | - | - | 647 | 460 | - | 493 | 309 | - | |
| - | | | | | | | | | | | | | | |
| | 50 | | | | | | | ND | | | 0.0 | | | |

| Approach | EB | WB | NB | SB | |
|----------------------|-----|-----|------|------|--|
| HCM Control Delay, s | 0.2 | 0.1 | 11.9 | 22.4 | |
| HCM LOS | | | В | С | |

| Minor Lane/Major Mvmt | NBLn1 | EBL | EBT | EBR | WBL | WBT | WBR | SBLn1 |
|-----------------------|-------|------|-----|-----|-------|-----|-----|-------|
| Capacity (veh/h) | 526 | 933 | - | - | 514 | - | - | 232 |
| HCM Lane V/C Ratio | 0.002 | 0.02 | - | - | 0.012 | - | - | 0.107 |
| HCM Control Delay (s) | 11.9 | 8.9 | - | - | 12.1 | - | - | 22.4 |
| HCM Lane LOS | В | А | - | - | В | - | - | С |
| HCM 95th %tile Q(veh) | 0 | 0.1 | - | - | 0 | - | - | 0.4 |



LEGAL DESCRIPTION

All that tract or parcel of land lying and being in Land Lot 20 of the 6th Land District, Gwinnett County, Georgia and being more particular described as follows;

BEGINNING at a point at the intersection of the southeasterly right of way of Zoar Church Road (right of way varies) with the Land Lot Line common to land lot 20 and 19; THENCE southerly along the right of way of Zoar Church Road for a distance of 1055.95 feet to a 5/8-inch rebar found; THENCE South 27 degrees 35 minutes 34 seconds East for a distance of 14.44 feet to an iron pin set, said point being the **POINT OF BEGINNING**;

THENCE leaving the right of way of Zoar road South 27 degrees 35 minutes 34 seconds East for a distance of 710.04 feet to a ½ inch rebar found; THENCE North 87 degrees 49 minutes 53 seconds West for a distance of 250.27 feet to an iron pin set; THENCE North 28 degrees 09 minutes 52 seconds West for a distance of 591.43 feet to an iron pin set on the right of way of Zoar Road; THENCE along the right of way North 63 degrees 50 minutes 34 seconds East for a distance of 223.23 feet to a point, said point being the **POINT OF BEGINNING.**

The above-described tract contains 3.285 acres.