



Public Works Department

HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION

1 N. University Drive, Box B300, Plantation, Florida 33324-2038 • 954-577-4555 • FAX 954-357-5715

MEMORANDUM

DATE: August 3, 2020

TO: Josie Sesodia, Director
Planning and Development Management Division

FROM: David (D.G.) McGuire, Construction Project Manager
Plat Section, Highway Construction and Engineering Division

Noemi Hew, Planner
Transportation Department, Service Development

SUBJECT: Application for New Plat – Letter To Proceed
Aquatic Stone (047-MP-19)

The Highway Construction and Engineering Division, Traffic Engineering, and the Transportation Department, Transit Division have reviewed the application for a new plat. Our review included the information contained in the application, the property survey, the site plan (or conceptual access plan), and any previously recorded plats.

Pursuant to the Letter of Objection dated March 11, 2020, Broward County Transit has declined to modify Recommendations numbers 5 and 6. A bus shelter easement is located on the far side of the bus landing pad and for a southbound bus stop like this one, the shelter easement will be on the southern half of the bus landing pad. The configuration of the alighting area will not allow the easement to be bifurcated.

No reduction to the entrance radii has been allowed based upon the use and the lack of a right turn lane. If a right turn lane were provided, the throat length and radii could be reduced.

As a result of our review, staff has determined that the comments and recommendations are required with respect to the safe and adequate access standards of the Broward County Land Development Code.

STAFF COMMENT

RATIONAL NEXUS REVIEW

- 1 This plat has been evaluated by staff for the relationship between the impact of the proposed development and the right-of-way dedications required by the Broward County Land Development Code. Staff has made a finding that the proposed development meets the threshold for rational nexus and this report includes right-of-way dedication requirements.

STAFF RECOMMENDATIONS

NON-VEHICULAR ACCESS LINE REQUIREMENTS

It is the express intent of this non-vehicular access line to eliminate all proposed openings and existing driveways not specifically delineated in the following comments:

- 2 Along the ultimate right-of-way for Andrews Avenue except at 50-foot opening with centerline located approximately 42 feet north of the south plat limits.

RIGHT-OF-WAY REQUIREMENTS (Dedicate)

- 3 Three (3) feet of right-of-way to comply with the Broward County Trafficways Plan on Andrews Avenue, a 106-foot Arterial.
- 4 Right-of-way for a southbound right turn lane on Andrews Avenue at the 50-foot opening with 150 feet of storage and 50 feet of transition.

SIDEWALK REQUIREMENTS FOR BUS LANDING PAD (Dedicate)

- 5 A 2-foot-wide x 20-feet-long paved bus landing pad (an 8-foot total expanded sidewalk) on Andrews Avenue commencing at the north plat limit and continuing south for 20 feet.

BUS SHELTER REQUIREMENTS (Easement)

- 6 An 8-foot-wide x 20-feet-long bus shelter easement on Andrews Avenue commencing at the north plat limit and continuing south for 20 feet.

ACCESS REQUIREMENTS

- 7 The minimum distance from the non-vehicular access line of Andrews Avenue, at any ingress or egress driveway, to the outer edge of any interior service drive, parking space with direct access to such driveway, or security gate shall be 50 feet.

- 8 For the two-way driveway that will be centered in a 50-foot opening: the minimum pavement width shall be 24 feet, the minimum entrance radii shall be 50 feet.

TRAFFICWAYS IMPROVEMENTS (Secure and Construct)

- 9 The removal of all existing driveways in locations not consistent with approved openings in the non-vehicular access line and the construction of curb, gutter, and sidewalk in these openings when necessary to complete the required improvement.

TURN LANE IMPROVEMENTS (Secure and Construct)

- 10 Southbound right turn lane on Andrews Avenue at the 50-foot opening with 150 feet of storage and 50 feet of transition.
- 11 The existing transition for the southbound right turn lane to the south of this parcel and conflicting with the current access shall be shortened to 50 feet to comply with the current transition standard and to avoid conflicts with the proposed access within the 50-foot opening.

SIDEWALK REQUIREMENTS (Secure and Construct)

- 12 Along Andrews Avenue adjacent to this plat.

SIDEWALK FOR BUS LANDING PAD (Secure and Construct)

- 13 An 8-foot-wide x 40-feet-long expanded sidewalk with a maximum cross slope of 2% for the bus landing pad (design must extend to the face of curb and gutter) on Andrews Avenue commencing 20 feet north of the north plat limit and continuing south for 40 feet. Design is subject to review by the Service and Capital Planning Section of the Transit Division and the Paving and Drainage Section of the Highway Construction and Engineering Division.

PAVEMENT MARKINGS AND SIGNS (Secure and Construct)

- 14 Construction of the required improvements shall include installation of signs and thermoplastic pavement markings. Pavement markings and signs shall be designed, fabricated, and installed in accordance with Traffic Engineering Division standards. The security amount for pavement markings and signs will be based on the approved construction plans or the approved engineer's cost estimate as outlined below. Design and installation of the required markers and/or signs are subject to approval by Florida Department of Transportation for projects located on a FDOT jurisdictional roadway.

IMPROVEMENT AGREEMENT AND SECURITY REQUIREMENTS

- 15 Section 5-184(d)(2) of the Broward County Land Development Code requires a recordable agreement for the required improvements. The owner of this plat shall enter into the standard Installation of Required Improvements Agreement (CAF#450) and submit it to the Highway Construction and Engineering Division for review and approval prior to plat recordation. The completion date for all required improvements listed as Exhibit "B" shall indicate completion prior to issuance of Certificates of Occupancy. Alternate phasing schedules must receive prior approval from the Highway Construction & Engineering Division. The use of a non-standard agreement will require independent approval by the County Commission.

The Installation of Required Improvements Agreement shall be secured by letter of credit, cash, lien, or other security acceptable to the County. Security instruments for all required improvements shall be submitted prior to NVAL Amendment Agreement recordation and/or commencement of construction. Security amounts shall be based upon the one of the following:

- a. Approved construction plans. When security is based on approved construction plans, the security will be calculated at one hundred (100%) percent of the cost of the improvements. Requirements for submitting construction plans are outlined below.
- b. Engineer's cost estimate. When security is based on an engineer's cost estimate, the security will be calculated at one hundred twenty-five (125%) percent of the cost of the improvements. Engineer's cost estimate(s) must be submitted for review by the Highway Construction and Engineering Division. Use of approved cost estimate forms is required. Payment of the applicable review fee is required pursuant to Chapter 38.8 of the Broward County Administrative Code.
- c. All forms are available on the Highway Construction & Engineering Division's web page at:
<http://www.broward.org/Publicworks/BCEngineering/Pages/Default.aspx>

IMPROVEMENT PLAN SUBMITTAL (Pre-construction and Security Release Requirements)

- 16 Construction plans for the required improvements (including pavement marking and signing plans) shall be submitted to Highway Construction and Engineering Division for review, and must be approved prior to the commencement of construction. Construction shall be subject to inspection and approval by the County. Pavement marking and signing shall be provided for all of the Improvements and shall be subject to review, field inspections and final approval by the Traffic Engineering Division. Security for pavement markings and signing shall not be released without field inspection and final approval by the Traffic Engineering Division of all materials, installations and locations.
- 17 Communication Conduit/Interconnect plans (3 sets and a cost estimate) shall be submitted to the Traffic Engineering Division. Any easements necessary for relocation and maintenance of the conduit must be provided and shown on the submitted plans. No security shall be released without field inspection and final approval of all materials, installations and locations by the Traffic Engineering Division.

GENERAL RECOMMENDATIONS

- 18 Distance and measurement recommendations contained in this report were based on the best information available at the time of review. County staff may approve minor adjustments based on verified field conditions or details provided in approved construction plans.
- 19 All construction must include all necessary transitions to existing pavement, the lengths of which shall be determined by the design speed of the roadway. All designs, construction, studies, etc., shall conform to the applicable sections of the following:
- A) United States Department of Transportation: "Manual on Uniform Traffic Control Devices" (MUTCD).
 - 1) State of Florida Department of Transportation:
 - 2) "Roadway and Traffic Design Standards."
 - 3) "Standard Specifications."
 - 4) "FDOT Transit Facilities Guidelines."
 - B) Broward County: "Minimum Construction Standards for Roadways Under Broward County Jurisdiction" (Exhibit 25A of Section 25.1, Broward County Administrative Code).

In addition, all designs for construction shall be certified by a Professional Engineer, registered in the State of Florida, that they meet the standards included above.

All standard forms are available for downloading from the Highway Construction and Engineering Division's website:
<http://www.broward.org/Publicworks/BCEngineering/Pages/Default.aspx>.

- 20 This plat will not be recorded until all real estate taxes (including taxes for the current year and any delinquent taxes) for the property being platted have been paid as required by Florida Statutes Chapter 197.192. The applicant shall request a current tax letter be forwarded from the Revenue Collection Division to HCED Plat Section.

F.S. 177 PLAT REVIEW COMMENTS

The following comments note the corrections necessary for the plat mylar to comply with the requirements of Florida Statutes Chapter 177. If additional clarification is necessary, please contact Jason Espinosa at (954) 577-4593 or via email at JESPINOSA@BROWARD.ORG.

Please note that additional changes made to the plat mylar beyond this list of corrections may necessitate additional review time; delay recordation; and result in additional review fees.

All resubmittals shall include a paper copy of the plat with changes from the original plat review application highlighted.

21 SURVEY DATA

- A. The legal description in the title opinion or certificate shall match the legal description on the plat. The plat drawing shall follow the legal description.
 1. Show labels on plat boundary lines and Government Lot lines that correspond to the description.
- B. The bearing reference line must be a well-established and monumented line. Depict said line with its monumentation and tie to the plat boundary. Insufficient monumentation is shown for the line called out. Review and revise as necessary.
- C. Two land ties to two independent land corners or one land corner and one other recorded corner shall be shown. Show found monumentation at both corners.
- D. The platting surveyor shall submit Certified Corner Records for section corners used in preparation of the plat to both the State and Broward County. County staff will confirm submittal to the State prior to plat recordation. For section corners which have Certified Corner Records on file, the surveyor shall submit an affidavit confirming that the Section corner was found to be substantially as described in the most recently available certified corner record. Standard affidavit forms are available at the following website: <http://www.broward.org/BCEngineering/Pages/PlatSectionForms.aspx>
- E. The surveyor shall submit digital plat information (after all corrections are completed and Highway Construction & Engineering Division staff requests digital information).

22 RIGHT OF WAY DELINEATION AND DEDICATION LANGUAGE

- A. Depict the entire right-of-way width of S. Andrews Avenue adjacent to the plat. Label the right-of-way shown with all recorded instruments which establish public rights-of-way adjacent to this plat.

23 TITLE CERTIFICATION AND DEDICATION SIGNATURE BLOCKS

The title shall be updated for review of any agreements and the recordation process. Standard format for Title Certificates, Opinions of Title, the Adjacent Right-of-way Report, and a Guide to Search Limits of Easements and Right-of-way may be obtained by contacting the Highway Construction & Engineering Division or by visiting our web site: <http://www.broward.org/BCEngineering/Pages/PlatSectionForms.aspx>

24 DRAFTING AND MISCELLANEOUS DATA

- A. Address any undefined abbreviations or symbols used on the plat or added during revision. Remove any abbreviations and symbols from the Legend that do not appear on the plat. Add any missing abbreviations and symbols to the Legend that appear on the plat or are added during revisions.

25 HIGHWAY CONSTRUCTION & ENGINEERING DIVISION INTERNAL PROCEDURES (These items are required for plat recordation but are completed by County staff)

- A. Planning Council Administrator Signature
- B. Completion of all POSSE Inputs; Impact Fee and Security reports printed
- C. County Surveyor Signature
- D. Development Order, Planning & Redevelopment Director signature
- E. Engineering Director Signature
- F. City/District scanned copy of mylar, as required.