



**Planning, Development and Transportation**

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**DATE:** 07.17.2019  
**TO:** ProTrak  
**FROM:** Mitesh Baxi  
Traffic Engineering

■ **SECU S 17TH STREET [TRC Plan Review]**

↻ Initial Review Note ↻

All comments are based on adopted policy documents, specific City of Wilmington Land Development Code (CofW LDC) and City of Wilmington Technical Standards and Specifications Manual (CofWTSSM) requirements in effect at the time of this review. These have been noted after the comment as appropriate for your ease in further research.

The City Engineer may administratively approve dimensional variance requests per LDC Sec. 18-348. If the Applicant feels further interpretation is in order, please contact Transportation Planning directly to discuss in additional detail. Please apply for all administrative variances in writing, an email is acceptable or this may be included on the plan set. Please see Sec. 18-348 of the Land Development Code for the information required to process a variance request.



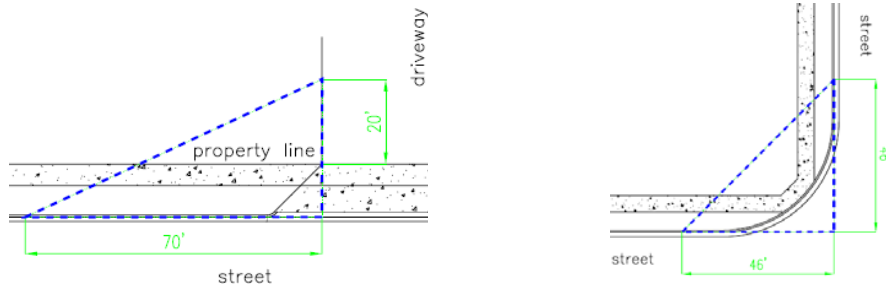
**BASE INFORMATION:**

- Revise all sheets to accurately illustrate the existing conditions on and surrounding this parcel. Show all adjacent traffic signs, lane configurations, traffic control devices and pavement markings including the intersection of S 17<sup>th</sup> St /Peel St, Peel St/Hollingsworth Dr, Hollingsworth Dr roundabout, details of S 17<sup>th</sup> St turning lane and driveway off S 17<sup>th</sup> St accessing this property. Please refer to the Technical Standards and Specifications Manual (link is below) Ch. VII C.1.a.2.for specific information and distance requirements. Contact Traffic Engineering at 341-7888 if you need assistance locating these elements.  
<https://www.wilmingtonnc.gov/home/showdocument?id=1910>
- Provide the full details for the roundabout off Hollingsworth Dr.
- *Responsibility for street and transportation improvements.* When a lot or lots within a subdivision abut an existing public street, highway or thoroughfare, the subdivider shall be responsible for the installation of all improvements to that portion of the street, highway or thoroughfare adjacent to and utilized by that subdivision. [Sec.18-378 (a) CofW LDC]

**TECHNICAL STANDARDS – ACCESS (driveway, sidewalk, and sight distance):**

1. Show wheelchair ramps at corner of street type driveways and corner of the roundabout as per NCDOT and/or City standards. Connect sidewalk with ramp.
2. An ADA ramp shall be installed at the corner of roundabout for the potential crosswalk to the north of roundabout.
3. A stop sign and stop bar is recommended at the street driveway off S 17<sup>th</sup> Street. If installed Signage and bar must be in advance of a potential crosswalk.
4. Provide sidewalk detail SD 3-10 on the plan. [Sec. 18-529(b)(2) CofW LDC]

5. Provide curbing detail SD 3-11 on the plan. [Sec. 18-529(b)(2) CofW LDC]
6. Show and apply the City's 20'x70' sight distance triangle at each driveway and the City's 46'x46' sight distance triangle at each street corner intersection on the site plan and landscaping plan. [Sec.18-529(c) (3) CofW LDC] [Sec. 18-812 CofW LDC].



**TECHNICAL STANDARDS – PARKING:**

7. 4" is the typical height of wheel stops provided within the parking facility. Please revise the wheel stop details accordingly. [Page 7-20 of CofWTSSM]
8. Site plan shows pavement markings for 'Do not enter'. Additionally, an appropriate signage is recommended to restrict the traffic entering the one-way aisles.

**TECHNICAL STANDARDS – Barrier Free Design:**

9. Show the typical handicap sign detail on the plan as per ADA and City standards. [Sheets A1 of 5 and A2 of 5, CofW Sign Specification] <https://www.wilmingtonnc.gov/home/showdocument?id=3940>
10. Please show location of accessible ramp(s) and parking signs.
11. Note/label the plan with spot elevations that clearly indicate the accessible route from the HC space(s) to the building. [Sec. 18-529(b)(2) CofW LDC]
12. Revise detectable warning domes detail on the plans as per City/ADA standards. [CofW SD 3-07]
13. Detectable warning domes must be installed at the end of each sidewalk before entering drive aisle/pavement surface regardless of ramps. Show the graphics on the site plan.

**STREET LIGHTING [City of Wilmington Street Lighting Policy]:**

1. The standard streetlight shall be a DEP designated LED equivalent fixture installed within the recommended range of mounting heights for the specific fixture. The standard streetlight shall be installed on a wooden pole in areas served from overhead facilities and on a fiberglass pole in areas served from underground facilities.
2. A layout for the Standard street lighting has been provided with the review. Minimum of 3 LED 50s are required for this sub-division. Subject to change based on the study by DEP.
3. Although, developers may choose to provide any extra lights or ornamental. Any installations above the criteria of Standard street lighting, will be considered as non-standard and has to conform to the City's non-standard street lighting procedure as per the policy.
4. If non-standard lighting is desired then a photometric analysis must be submitted to verify that light levels in the roundabout are maintained and that the light spacing on the approaches would be ½ indicated on the plan.
5. Developers shall bear any installation costs associated with streetlights, if applicable. In areas served from underground facilities, the developers shall pay the one-time underground contribution charge, if applicable.
6. The Planning, Development and Transportation Director or designee and the City Landscape Designer will coordinate plaza plantings and streetlight locations to minimize the obstruction of light by vegetation.
7. Street trees must be located a minimum of 15 feet from street lights. [CofW SD 15-17]

8. All the street light shall be installed within the public ROW.

**GENERAL NOTES TO ADD TO THE PLAN:**

A. Street trees must be located a minimum of 15 feet from street lights. [[CofW SD 15-17](#)]

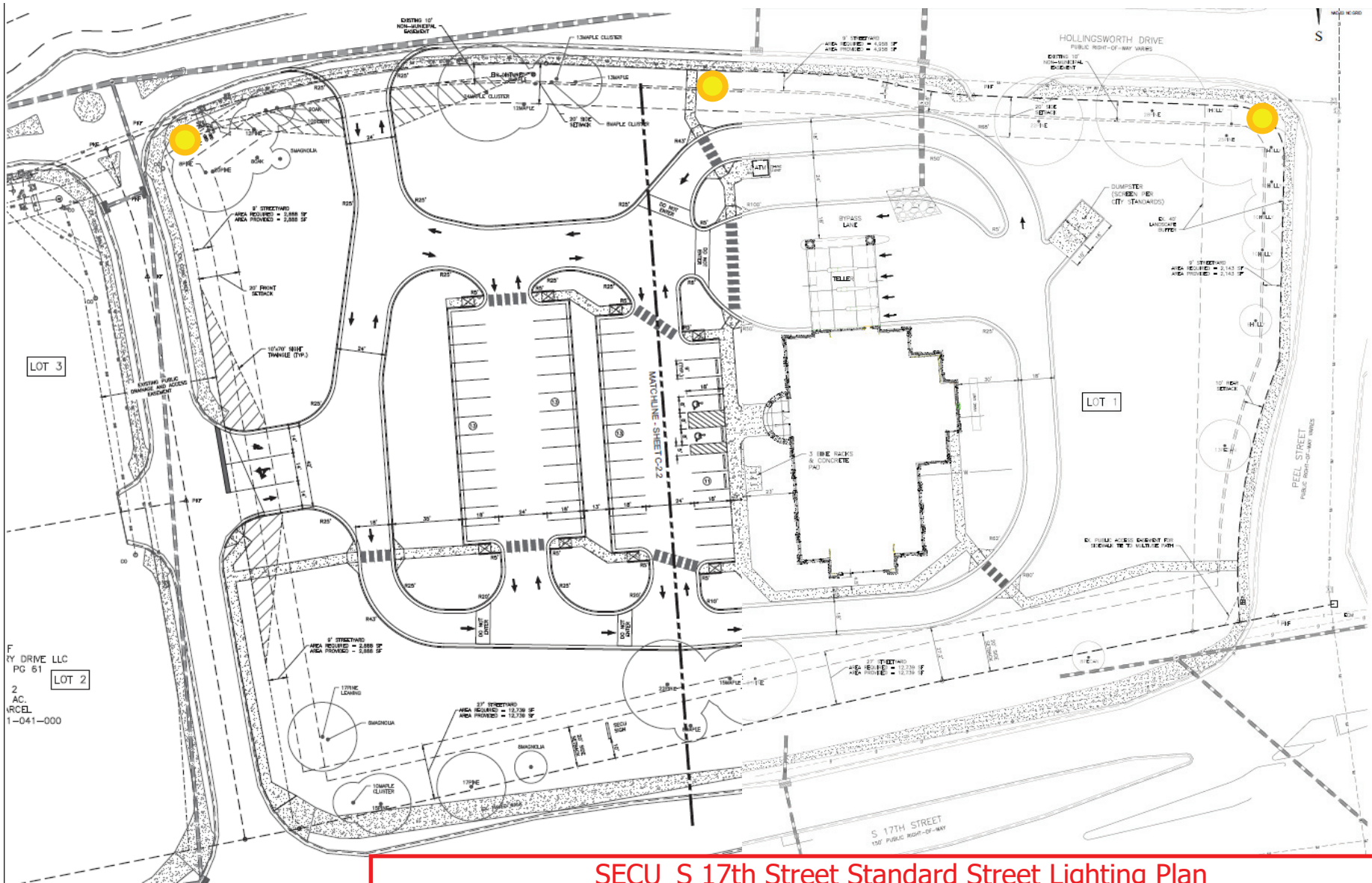
**NOTES TO BE AMENDED:**

❖ Note #16 – Replace with the note ‘Contact Traffic Engineering at (910) 341-7888 to discuss street lighting options.’

**MISCELLANEOUS:**

❖ We will reserve comments on the parking lot, driveway geometry and other technical issues until a full construction drawing is submitted.

Please let me know if you have any questions or if I can be of further assistance as this development moves through the review process.



### SECU S 17th Street Standard Street Lighting Plan

1. Developers shall bear any installation costs associated with streetlights, if applicable. In areas served from underground facilities, the developers shall pay the one-time underground contribution charge, if applicable.
  2. Streetlights will be reviewed through the subdivision process and must meet criteria established in City's Street Lighting Policy.
  3. All the street lights shall be installed within the public ROW.
  4. Street trees must be located a minimum of 15' from street lights [SD 15-17 of CofWTSSM].
- Suggested approximate locations of minimum required 3 LED 50.  
This layout is subject to change based on the study by DEP.

07/17/2019