

Engineering has reviewed the 02/04/2020 submittal for the Indie Ice House Lofts project and offers the following comments:

1. **Stormwater Permit Application, IV., #8.** Revise the total onsite newly constructed impervious surface amount. This should be the sum of the proposed sidewalks and pervious pavement, 3,597 sf (since the pervious pavement is not taking pervious credit).
2. **Stormwater Permit Application, IV., #9.** The total onsite impervious surface should be the sum of #7 & #8 (3,734 sf + 3,597 sf = 7,331 sf).
3. **Stormwater Permit Application, IV., #10 & #11.** Please revise these values to account for the area of pervious pavement. The pervious pavement is not receiving pervious credit and should be counted as impervious area.
4. On sheets D1 & D2, replace the stormwater management stamp with the City drainage plan approval stamp. The drainage plan approval stamp should be on all sheets in the plan set.
5. Please replace the pavement repairs detail on sheet D1 with the most up to date City standard detail for Pavement Repairs SD 1-05 from the City website:
<https://www.wilmingtonnc.gov/departments/engineering/technical-standards-details>
6. The proposed waterlines are shown running directly through the existing 32" oak and the bridge incline and railing. The waterlines should be shifted to the middle of Peacock Ln in order to save the tree and avoid having to rework the bridge railing/sidewalk area.
7. 6th St should be replaced as one whole section (instead of multiple street cuts) for the proposed utility connections. Please show the limits for the demo and replacement of 6th St on the plan.
8. The utility connections will result in the replacement of the driveway apron on 6th St. Show the demo and replacement extents on the plan.
9. Peacock Lane will be required to be improved to meet private access easement standards. The drive should be widened to 16'. "Do not enter" and "one-way" signs are unlikely to deter drivers from using Peacock Lane as a two-way drive, which is how it is currently being utilized. Therefore, widening the drive to 16' will safely allow two-way and emergency vehicle access. Keep in mind that drainage will have to be addressed with the design of the access easement.
 - Engineering expressed the requirement for the private access easement to Plantation Building Corp back in October of 2019. I apologize if this requirement was not communicated to you.