STATE OF DELAWARE
OFFICE OF MANAGEMENT AND BUDGET
OFFICE OF STATE PLANNING COORDINATION

December 19, 2024

Century Engineering, LLC
Attn: Dana Dunphy
550 Bay Road
Dover, DE 19901

RE: PLUS review – 2024-11-02; St. John Properties Middletown Site

Dear Ms. Dunphy,

Thank you for meeting with State agency planners on November 20th, 2024 to review the St. John Properties Middletown Site. According to the information received, you are seeking review of the proposed rezoning of 75.8 acres currently classified as MI (Manufacturing Industrial), which is presently vacant or used for farming, to a combination of R3 (Multi-Family Residential) and C3 (Employment/Regional Retail) for future development.

Please note that changes to the rezoning proposal, other than those suggested in this letter, could result in additional comments from the State. Additionally, these comments reflect only issues that are the responsibility of the agencies represented at the meeting. **The future development of this property will also need to comply with any Federal, State, and local regulations. We also note that as the Town of Middletown is the governing authority over this land, the developers will need to comply with any and all regulations/restrictions set forth by the Town.**

Office of State Planning Coordination – Contact: Samantha Bulkilvish 302-739-3090

- The change of zone would require the Town of Middletown to complete a Comprehensive Plan Amendment prior to the approval of the change of zone. This means that the Town would have to submit a PLUS application for a Comprehensive Plan Amendment to amend the future land use map from Industrial to Mixed Use. The Comprehensive Plan Amendment would also have to be adopted by the Town Council prior to the approval of the change in zone. Should the proposed concept plan move forward as a Site Plan this too would come through PLUS for review.

- This project is located in Levels 1 & 2 investment areas, which is consistent with the 2020 Strategies for State Policies and Spending.

Investment Level 1 reflects areas that are already developed in an urban or suburban fashion, where infrastructure is existing or readily available, and where future redevelopment or infill projects are expected and encouraged by State policy. Investment Level 2 reflects areas where growth is anticipated by local, county, and State plans in the near-term future. Because development in Level 1 and Level 2 is consistent with the 2020 Strategies for State Policies and Spending, the Office of State Planning Coordination supports this change of zone application.

Code Requirements/Agency Permitting Requirements

Department of Transportation – Contact Stephen Bayer 302-760-4834

- DelDOT has no comments on the proposed rezoning. DelDOT notes that if the property is developed in the future all applicable reviews and permits will still be required.

Department of Natural Resources and Environmental Control – Contact Beth Krumrine 302-735-3480

Disclaimer Clause: Staff from the Delaware Department of Natural Resources and Environmental Control (DNREC) reviewed the project submitted for PLUS review. The absence of comments does not indicate that there are not additional constraints, nor does it indicate DNREC support of a project, code or ordinance.

Stormwater Management

The project proposes greater than 5,000 square feet of land disturbing activities and will be subject to Delaware's *Sediment and Stormwater Regulations*.

- A Sediment and Stormwater Plan must be developed, then approved by the appropriate plan review agency, prior to any land disturbing activity taking place on the site. For this project, the plan review agency is the Town of Middletown.

- Additionally, to address federal requirements, construction activities that exceed 1.0 acre of land disturbance require Construction General Permit coverage through submittal of an electronic Notice of Intent for Stormwater Discharges Associated with Construction Activity. This form must be submitted electronically https://enoi.dnrec.delaware.gov/, (select Construction Stormwater General Permit) to the DNREC Division of Watershed Stewardship, along with the $195 fee.

- Schedule a project application meeting with the appropriate plan review agency prior to moving forward with the stormwater and site design. As part of this process, you must submit a Stormwater Assessment Study.

Plan review agency contact: Town of Middletown at (302) 378-9120.
Website: https://middletown.delaware.gov/

General Stormwater contact: DNREC Sediment and Stormwater Program at (302) 739-9921.
E-mail: DNREC.Stormwater@delaware.gov.
Website: https://dnrec.delaware.gov/watershed-stewardship/sediment-stormwater/

Hydrologic Soils Group

Hydrologic Soil Group C and D, poorly drained soils, have been identified in the northeastern corner of the site. These soil types could worsen existing drainage issues if present and are typically not conducive to utilizing infiltration stormwater Best Management Practices such as bioretention and infiltration basins. These practices must meet minimum infiltration requirements.

- Any stormwater Best Management Practices that propose the use of infiltration or natural recharge shall include a soils investigation.

Contact: DNREC Sediment and Stormwater Program at (302) 739-9921.
E-mail: DNREC.Stormwater@delaware.gov.
Website: https://dnrec.delaware.gov/watershed-stewardship/sediment-stormwater/

Water Resources Protection Area and Excellent Groundwater Recharge Area

A Water Resource Protection Area and Excellent Groundwater Recharge Area is located on the entire site. These are the delineated areas which contribute water to a public water supply. These areas have soils that are conducive to water infiltrating downward from surface water into groundwater. Preservation of these areas is important for replenishing groundwater supplies and ensuring drinking water for future generations.

- Applicants must comply with local ordinances for Water Resource Protection Areas which normally have requirements limiting the amount of impervious cover and types of land uses that can occur within these areas.

- The applicant must comply with all county and municipal requirements for construction and uses in Excellent Groundwater Recharge Areas.

Contact: DNREC Source Water Assessment and Protection Program at (302) 739-9945.
Website: https://dnrec.delaware.gov/water/supply/ground-water-protection/

Wastewater Disposal Systems – Large Systems

For wastewater conveyance offsite by way of a new sewer connection, flow rates exceeding 2,500 gallons of liquid waste per day will require a Wastewater Pollution Collection and Conveyance (WPCC) permit from the Commercial and Government Services section.

Contact: DNREC Commercial and Government Services Section at (302) 739-9948.
Website: https://dnrec.delaware.gov/water/commercial-government/

Electric Vehicle Charging

Electric vehicle charging infrastructure is now required for all residential dwellings in Delaware (see 80 Del. Laws, c. 145 § 8001- § 8006) for which:

1. A building permit is issued on or after January 1, 2024 (single family), or
2. The final site plan is approved on or after January 1, 2025 (multi-family).

Requirements are summarized below. Consult the Delaware Code directly for further details.

Multi-family Dwellings, effective 2025:

- The developer of a multi-family residential dwelling shall install electric vehicle parking spaces, where at least 5% of the total parking spaces for the multi-family residential dwelling must be electric vehicle capable parking spaces.

- In addition, a developer of a multi-family residential dwelling shall provide at least one electric vehicle charging infrastructure parking space in an area available for use by all residents of the multi-family residential dwelling (example: community centers).

- Construction documents must indicate the location of proposed electric vehicle charging infrastructure parking spaces and electric vehicle capable parking spaces.

- Parking space dimensions must comply with the county or municipal building code applicable to the multi-family residential dwelling.

Delaware Emergency Management Agency – Contact Phillip Cane 302-659-2325

Proposed Project Parcel Flood Concern

- This parcel is located within an area of **Minimal Flood Concern of 1000 years or greater**.

Parcel Status within County Evacuation Zone Location

- The parcel is not yet located within a New Castle County Evacuation Zone.

Parcel Status within the 10-mile Emergency Planning Zone (EPZ) for the Salem Nuclear Power Plant

- The parcel **is not** located within the 10-mile EPZ for the Salem Nuclear Power Plant. Though it is in close proximity to the boundary.

State Historic Preservation Office – Contact Carlton Hall 302-736-7400

- The Delaware SHPO has no comments or objections. Our office will provide comments once a more detailed Site Plan is submitted for PLUS review.

Delaware State Fire Marshall's Office – Contact Duane Fox 302-739-4394

At the time of formal submittal, the applicant shall provide; completed application, fee, and three sets of plans depicting the following in accordance with the Delaware State Fire Prevention Regulation (DSFPR):

Fire Protection Water Requirements:

- Water distribution system capable of delivering at least 1500 gpm for 2-hour duration, at 20-psi residual pressure is required. Fire hydrants with 800 feet spacing on centers. (Mercantile)
- Water distribution system capable of delivering at least 1000 gpm for 1-hour duration, at 20-psi residual pressure is required. Fire hydrants with 800 feet spacing on centers. (Assembly and Townhouses)
- Where a water distribution system is proposed for single-family dwellings, it shall be capable of delivering at least 500 gpm for 1-hour duration, at 20-psi residual pressure. Fire hydrants with 800 feet spacing on centers are required. (One & Two- Family Dwelling)
- One- and Two-Family dwellings are required by law to offer the homeowner an automatic sprinkler system, therefore infrastructure should accommodate water needs.

- Where a water distribution system is proposed for the site, the infrastructure for fire protection water shall be provided, including the size of water mains for fire hydrants and sprinkler systems.

Fire Protection Features:

- All structures over 10,000 Sq. Ft. aggregate will require automatic sprinkler protection installed.
- Buildings greater than 10,000 sqft, 3-stories or more, over 35 feet, or classified as High Hazard, are required to meet fire lane marking requirements.
- Show Fire Department Connection location (Must be within 300 feet of fire hydrant), and detail as shown in the DSFPR.
- Show Fire Lanes and Sign Detail as shown in DSFPR
- For townhouse buildings, provide a section / detail and the UL design number of the 2-hour fire rated separation wall on the Site plan.

Accessibility

- All premises, which the fire department may be called upon to protect in case of fire, and which are not readily accessible from public roads, shall be provided with suitable gates and access roads, and fire lanes so that all buildings on the premises are accessible to fire apparatus. This means that the access road to the subdivision from Bunker Hill Road must be constructed so fire department apparatus may negotiate it.
- Fire department access shall be provided in such a manner so that fire apparatus will be able to locate within 100 ft. of the front door.
- Any dead-end road more than 300 feet in length shall be provided with a turn-around or cul-de-sac arranged such that fire apparatus will be able to turn around by making not more than one backing maneuver. The minimum paved radius of the cul-de-sac shall be 38 feet. The dimensions of the cul-de-sac or turn-around shall be shown on the final plans. Also, please be advised that parking is prohibited in the cul-de-sac or turn around.
- The use of speed bumps or other methods of traffic speed reduction must be in accordance with Department of Transportation requirements.
- The local Fire Chief, prior to any submission to our Agency, shall approve in writing the use of gates that limit fire department access into and out of the development or property.

Gas Piping and System Information:

- Provide type of fuel proposed and show locations of bulk containers on plan.

Required Notes:

- Provide a note on the final plans submitted for review to read "All fire lanes, fire hydrants, and fire department connections shall be marked in accordance with the Delaware State Fire Prevention Regulations"
- Proposed Use
- Alpha or Numerical Labels for each building/unit for sites with multiple buildings/units
- Square footage of each structure (Total of all Floors)
- National Fire Protection Association (NFPA) Construction Type
- Maximum Height of Buildings (including number of stories)
- Townhouse 2-hr separation wall details shall be shown on site plans
- Note indicating if building is to be sprinklered
- Name of Water Provider
- Letter from Water Provider approving the system layout
- Provide Lock Box Note (as detailed in DSFPR) if Building is to be sprinklered
- Provide Road Names, even for County Roads

Recommendations/Additional Information

This section includes a list of site-specific suggestions that are intended to enhance the project. These suggestions have been generated by the State Agencies based on their expertise and subject area knowledge. **These suggestions do not represent State code requirements.** They are offered here in order to provide proactive ideas to help the applicant enhance the site design, and it is hoped **(but in no way required)** that the applicant will open a dialogue with the relevant agencies to discuss how these suggestions can benefit the project.

Department of Natural Resources and Environmental Control – Contact Beth Krumrine 302-735-3480

Stormwater Management

- Where the site and soil conditions allow, integrate runoff reduction techniques including infiltration basins, bioretention (rain gardens), filter strips, and pavers to encourage on-site stormwater infiltration and reduce runoff.

- For improved stormwater management, preserve existing trees, wetlands, and passive open space.

Plan review agency contact: Town of Middletown at (302) 378-9120.
Website: https://middletown.delaware.gov/

General stormwater contact: DNREC Sediment and Stormwater Program at (302) 739-9921.
E-mail: DNREC.Stormwater@delaware.gov.
Website: https://dnrec.delaware.gov/watershed-stewardship/sediment-stormwater/

Water Resources Protection Area and Excellent Groundwater Recharge Area

- For Excellent Groundwater Recharge Areas, limit impervious surfaces to no more than 20% of the entire area designated as having excellent recharge.

Contact: DNREC Public Water Supply Protection Program at (302) 739-9948.
Website: https://dnrec.delaware.gov/water/commercial-government/public-water/

Water Quality

This site lies within the Appoquinimink River Watershed. Surface water quality in this watershed does not meet Federal and/or State Water Quality Standards and a Pollution Control Strategy is in place for this watershed.

- Reduce impervious surfaces on the project site by eliminating areas of impervious pavement and/or using pervious pavement where practicable. Break up large parking lots with planted islands.

- Reduce stormwater runoff by integrating infiltration basins, bioretention (rain gardens), filter strips, and by preserving existing trees, wetlands, and passive open space.

- Reduce the necessity for nutrient application by maintaining open space as meadow or forest planted exclusively with native plants. Native plants are well-suited to our climate and require limited maintenance.

Contact: DNREC Division of Watershed Stewardship's Watershed Assessment Section at (302) 739-9939.
Website: https://dnrec.alpha.delaware.gov/watershed-stewardship/

Drainage

- All existing drainage ditches on the property should be evaluated for function and cleaned, if needed, prior to the construction of the project.

- Environmental permits or exemptions may be required by the County Conservation District (Standard Plan), the DNREC Sediment and Stormwater Program (eNOI/NOT), Army Corp of Engineers, and/or DNREC Wetlands and Waterways Section prior to clearing and/or excavating ditch channels.

- All precautions should be taken to ensure the project does not hinder any off-site drainage upstream of the project or create any off-site drainage problems downstream by the release of on-site storm water.

Contact: DNREC Drainage Program at (302) 855-1930.
Website: https://dnrec.delaware.gov/drainage-stormwater/

Sustainable Practices

- Incorporate nonmotorized connectivity and install bicycle racks and covered bike storage where feasible to help facilitate non-vehicular travel modes.

- Use renewable energy infrastructure such as solar or geothermal to reduce energy costs and further reduce pollution created from offsite generation. Grant funds and incentives are available for Delmarva Power customers through the DNREC Green Energy Fund, which includes several funding types through the state's major electric utilities (https://dnrec.delaware.gov/climate-coastal-energy/renewable/assistance/).

- Consider planting select areas with native trees. Native trees improve air, water, and soil quality. Planting and nurturing trees is also a nature-based solution to reducing the greenhouse gases that drive climate change. In addition, native trees have an increasingly important role in the survival of native birds and beneficial insects whose habitat is shrinking due to development and climate change.

- Consider planting select areas with meadow comprised of native species. Native plants are well-suited to our climate and require limited maintenance. Mowing in these areas should not occur between April 1st to July 31st to reduce impacts to nesting birds and other wildlife species that utilize meadows and grasslands for breeding habitat.

- Use efficient Energy Star rated products and materials in construction and redevelopment. Energy efficient appliances use less energy over time. This saves consumers and businesses money, while also helping to reduce pollution from power generation.

- Use structural paint coatings that are low in Volatile Organic Compounds to help protect air quality. Air pollution from new construction is generated through the use of maintenance equipment, paints, and consumer products like roof coatings and primers.

- Use recycled materials, such as reclaimed asphalt pavement, to reduce heat island effects on paved surfaces, prevent landfill waste, and lower material costs.

Contact: DNREC Division of Climate, Coastal & Energy at (302) 735-3480.
Website: https://dnrec.delaware.gov/climate-coastal-energy/

Delaware Emergency Management Agency – Contact Phillip Cane 302-659-2325

Population

- The county has a population density of 1,321.50 per square mile based on the US 2020 Census report; an increase from 2010 at 1,241.00 persons per square mile. The specific census block(s) the project is located on has a total population of 4, though, with development, this will undoubtedly change. The 7 adjacent blocks aggregated bring the area to a total population of 1522.

FEMA National Risk Index

- The FEMA National Risk Index is an online mapping application that identifies communities most at risk to 18 natural hazards: Avalanche, Coastal Flooding, Cold Wave, Drought, Earthquake, Hal, Heat Wave, Hurricane, Ice Storm, Landslide, Lightning, Riverine Flooding, Strong Wind, Tornado, Tsunami, Volcanic Activity, Wildfire, and Winter Weather. The FEMA National Risk Index is calculated by multiplying the Expected Annual Loss times the Social Vulnerability and dividing that by the Community Resilience.



- According to FEMA's National Risk Index, the parcel **is** considered **relatively moderate** for overall natural hazards risks.

- Community Resilience is a consequence reduction risk component and a community risk factor that represents the ability of a community to prepare for anticipated natural hazards, adapt to changing conditions and withstand/recover rapidly from disruptions. Social Vulnerability is a consequence-enhancing risk factor that represents the susceptibility of social groups to the adverse impacts of natural hazards.

- Its community resilience and social vulnerability are both rated as **relatively high**.

Renewable Energy Commitment

- Regarding energy use and consumption, the census tract utilizes **utility/natural gas** as the predominant fuel type for heating purposes.

- DEMA strongly encourages the use of renewable energies and high-efficiency appliances and utilities. Regarding utilities, DEMA suggests incorporating 90% series furnaces/HVAC systems; the closer to 99%, the better, as well as A/C units of 20 Seer or greater. DEMA recommends using tankless water heaters, and battery backup systems for sump pumps to reduce potential water damage from power failure. Lastly, DEMA encourages the integration of modern and emerging technologies, such as the potential for electric vehicles in garages/parking lots, green roofs or solar panels where applicable and allowable, and the like.

<u>Delaware State Housing Authority - Contact Alex Modeas 302-574-3656</u>

- DSHA supports the rezoning of 75.8 acres located at 1023 Bunker Hill Road, Middletown from MI to R-3 and C-3 as this could potentially increase the opportunity for additional housing options like the one presented in the concept drawing submitted with this application. If the construction of a 450-unit subdivision (Duplex/Townhouses) and commercial were to be approved, it would be beneficial to the residents of Middletown.

- According to DSHA's Housing Reform Map, this project location is situated in an Area of Opportunity. This means the area has high-quality schools, supportive infrastructure, and the capacity to support diverse and affordable housing types. Although these are not affordable housing units, the higher-density housing type can offer a *more* affordable option for households across a wide range of incomes.

- According to American Community Survey data over 70% of the Middletown-Odessa CCD housing stock is Single-Family, Detached units. Increasing the diversity of housing types in the area has the potential to promote affordability and reduce the cost burden for residents in the area. DSHA believes this proposal will bring community-wide

socioeconomic benefits to Middletown.

- DSHA encourages a thoughtful site layout and design measures that are human-scaled and incorporates attractive streetscapes, community recreation areas, visually appealing façade treatments, and significant landscaping measures. These elements all serve to create desirable quality communities where families can thrive.

Delaware State Fire Marshall's Office – Contact Duane Fox 302-739-4394

- Preliminary meetings with fire protection specialists are encouraged prior to formal submittal. Please call for appointment. Applications and brochures can be downloaded from our website: www.statefiremarshal.delaware.gov, technical services link, plan review, applications or brochures.

Once the rezoning is voted on by Planning and Zoning and/or County Council, please forward a copy of the decision regarding the zoning change to this office for our files. Should any future development occur on this site please submit another PLUS application for the review of the site plan. Thank you for the opportunity to review this rezoning. If you have any questions, please contact me at 302-739-3090.

Sincerely,



David L. Edgell, AICP
Director, Office of State Planning Coordination