

Amendment 28 to Council Bill No. 28 -2023

**BY: The Chairperson at the Request
of the County Executive**

**Legislative Day 11
Date: October 2, 2023**

Amendment No. 28

(This Amendment adds an Implementation Action to support sensitive environmental resources by exploring the creation of site-sensitive and enhanced site design outcomes during the zoning regulation update process.)

- 1 In the *HoCo By Design* General Plan, attached to this Act as Exhibit A, amend the following
- 2 pages as indicated in this Amendment:
- 3 • Chapter 3, Ecological Health – page 17
- 4 • Chapter 11, Implementation – page 17
- 5
- 6 Correct all page numbers, numbering, and formatting within this Act to accommodate this
- 7 amendment.

Rare, Threatened, and Endangered Species

The 2019 Maryland Department of Natural Resources (DNR) list of current and historical rare, threatened, and endangered species identifies 98 species within Howard County. Of these 98 species, 15 are animals and 83 are plants. Threats to these species are primarily caused by habitat destruction, particularly of wetlands, riparian areas, steep slopes, and forests. Therefore, protective measures for these important habitats also benefit these species.

The DNR mapped the known habitat areas for rare, threatened, and endangered species throughout Maryland as Sensitive Species Project Review Areas (SSPRA). The SSPRA information is used by the County to initially screen development proposals under the Forest Conservation Act. If this screening indicates that such habitat may be present, the developer is referred to the DNR for guidance on protecting the species and the associated habitat.

Zoning Regulations

Excluding mixed use zones, there are three residential zoning districts with a stated purpose that includes protecting environmental resources. (Note that there is a fourth district that includes this purpose, but it is applicable only to historic properties.) These zoning districts require or allow the use of cluster development to achieve this purpose. The Residential-Environmental Development (R-ED) zoning district in the East is located primarily along the Patapsco River in areas with steep and narrow stream valleys. The R-ED zoning district has a 50% open space requirement (as specified in the Subdivision and Land Development Regulations) and allows smaller lots, clustered together to keep development impacts away from steep slopes and streams. In the Rural West, the Rural Conservation (RC) zoning district requires low-density, clustered residential development for parcels of 20 acres or greater to protect agricultural lands and natural resources. This type of cluster development is also allowed on smaller lots in the RC zoning district and on any lot in the Rural Residential (RR) zoning district. Cluster development and other alternative development patterns may also be appropriate to enhance environmental protection in other residential zoning districts. For sites where environmentally-sensitive resources are present, alternative or flexible development standards may better realize the intended purpose of the zoning district while providing greater site-specific protection of resources and enhanced site design.

EH-3 Policy Statement

Ensure the Subdivision and Land Development Regulations and Zoning Regulations provide adequate protection for sensitive environmental resources within new development and redevelopment.

Implementing Actions

1. Evaluate and enhance protections, including sediment and erosion control, where needed for sensitive environmental resources, such as water resources, steep slopes, and rare, threatened, and endangered species, in the Subdivision and Land Development Regulations.
2. Explore whether cluster development may also be appropriate in other residential zoning districts during the zoning regulation update process.
3. Explore the creation of alternative or flexible development standards that would result in more site-sensitive and enhanced site design outcomes during the zoning regulation update process, including criteria for determining eligibility for utilization of alternative standards.

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Preservation of environmental resources, equitably throughout the County is crucial, especially areas of mature trees on slopes.

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- HoCo By Design process participant

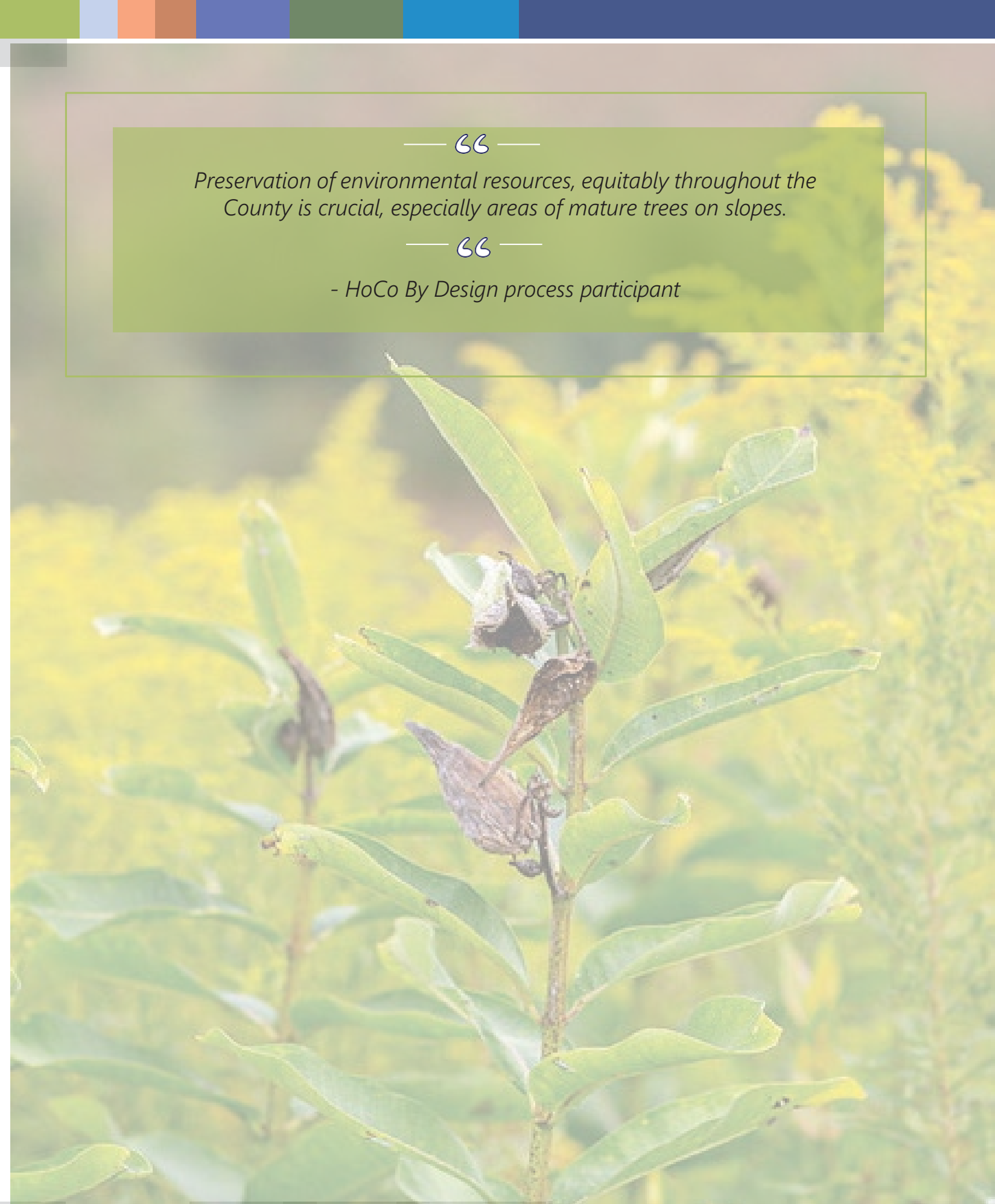


Table 10-1: Implementation Matrix		
Policy and Implementing Actions	Lead Agency	Timeframe (Mid-Term five-year, Long-Term six+ years, Ongoing)
EH-3 - Ensure the Subdivision and Land Development Regulations and Zoning Regulations provide adequate protection for sensitive environmental resources within new development and redevelopment.		
1. Evaluate and enhance protections, including sediment and erosion control, where needed for sensitive environmental resources, such as water resources, steep slopes, and rare, threatened, and endangered species, in the Subdivision and Land Development Regulations.	DPZ HSCD	Mid-Term
2. Explore whether cluster development may also be appropriate in other residential zoning districts during the zoning regulation update process.	DPZ	Mid-Term
3. Explore the creation of alternative or flexible development standards that would result in more site-sensitive and enhanced site design outcomes during the zoning regulation update process, including criteria for determining eligibility for utilization of alternative standards.	DPZ	Mid-Term
EH-4 - Incentivize additional resource protection and restoration measures within new development and redevelopment.		
1. Consider increased use of a density exchange overlay district, in both the West and the East, to protect sensitive resources in areas with unique conditions or resources.	DPZ	Mid-Term
2. Consider incentives to encourage environmental protection and restoration when properties are developed or redeveloped, such as tax credits, density bonuses, housing allocations, and public-private partnerships.	DPZ HCEDA Private Partners	Mid-Term
3. Evaluate and strengthen the Green Neighborhood Program to ensure adequate incentives will increase program use and incorporate new options, such as increased moderate income housing units.	DPZ DILP OCS	Mid-Term

Table 10-1: Implementation Matrix		
Policy and Implementing Actions	Lead Agency	Timeframe (Mid-Term five-year, Long-Term six+ years, Ongoing)
EH-5 - Evaluate and improve stormwater management requirements to enhance climate change resilience.		
1. Conduct a flooding vulnerability assessment to determine which watersheds are susceptible to chronic flooding under current and expected future precipitation patterns.	DPW	Ongoing
2. Update stormwater management design standards to address current and expected future precipitation patterns. Consider adding quantity management requirements, including management for short-duration, high-intensity storms in vulnerable watersheds.	DPZ DPW OCS	Mid-Term
3. Evaluate opportunities to further reduce stormwater runoff and pollutant loadings when redevelopment occurs.	DPZ DPW OCS	Mid-Term
4. Continue to use a nature-based or green stormwater infrastructure approach (bioretention, swales) in combination with a built or gray infrastructure approach (pipes, ponds) to address flood mitigation and adaptation, to maximize ecological benefits.	DPW DPZ OCS Private Partners	Ongoing
5. Evaluate alternatives for improving, enforcing, and funding long-term inspection and maintenance of stormwater management facilities, particularly those facilities located on private residential lots.	DPW Private Partners	Mid-Term