

**The Law Office of Sager A. Williams, Jr.**

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March 20, 2025

Ms. Sterling P. Seay  
Planning Administrator  
Zoning Administration Division  
Anne Arundel County Office of Planning and Zoning  
2664 Riva Road – Third Floor  
Annapolis, MD 21401

RE: Special Exception Application Letter of Explanation  
BGE – Solley Road Substation and Marley Neck Substation  
Tax Map 10, Grid 17, Parcel 397, Lot B

Dear Ms. Seay:

Accompanying this letter is an application for a zoning special exception that I am submitting on behalf of my client, the Baltimore Gas and Electric Company (“BGE”). The special exception application requests authorization to construct and operate a public utility use in the W1 zoning district. Specifically, the application seeks approval of an electrical substation project, including a Static Synchronous Compensator (“STATCOM”), that BGE will construct in three phases on the Marley Neck peninsula. The substation project is part of BGE’s response to address significant changes in regional power supply caused by the forthcoming closure of the Brandon Shores and H. A. Wagner powerplants, which are also located on Marley Neck.

The substation project will be sited on a 125.3-acre parcel that lies between Solley Road to the east and Marley Neck Boulevard to the west, just north of the now-closed BFI landfill and just south of an existing BGE transmission corridor. BGE acquired rights-of-way for the transmission corridor, and constructed transmission lines in the corridor, between 1955 and 1977. To the north, the existing transmission corridor abuts the residential community of Creekside Village, which was built beginning in about 2015.

BGE’s property does not have an assigned street address, according to SDAT information. But the property is designated as Lot B on a plat entitled “Administrative Plat of South Solley Road Parcel Mount Clare Properties, Inc.,” which plat is recorded in the Land Records of Anne Arundel County in plat book 138, beginning at page 18. BGE acquired title to the property on August 19, 2022 by virtue of a deed recorded in the Land Records of Anne Arundel County in Liber 39165, beginning at page 450. The property is zoned W1, Industrial Park. The property is not in the Chesapeake Bay Critical Area.

**Project Background**

Transmission of electricity in the portion of the United States that includes the State of Maryland is coordinated and directed by a regional transmission organization

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(“RTO”) known as PJM Interconnection, LLC (“PJM”). RTOs and similar entities called Independent System Operators, or ISOs, are regulated by the Federal Energy Regulatory Commission (“FERC”). Among other functions, FERC regulates interstate transmission of electricity and approves open access tariffs for the wholesale electricity market. PJM is a large RTO, with over 1,000 member companies and a transmission service region that includes Maryland, Delaware, the District of Columbia, Pennsylvania, New Jersey, West Virginia, Ohio, and portions of Virginia, North Carolina, Kentucky, Tennessee, Indiana, Illinois, and Michigan. Until the development of the European Integrated Energy Market, PJM was the world’s largest competitive wholesale market for electricity.

In April 2023, the owner of the Brandon Shores powerplant, Talen Energy (“Talen”), informed PJM that Talen intended to close the powerplant on June 1, 2025. Because of the significant amount of electricity Brandon Shores generates, PJM subsequently undertook a deactivation reliability analysis. PJM’s analysis found potential near-term thermal and voltage reliability violations, including a serious risk of voltage collapse, if Brandon Shores were to close without significant improvements to transmission infrastructure in the region, including BGE’s transmission infrastructure. A voltage collapse affecting the existing transmission system could cause a loss of power potentially to millions of customers throughout the mid-Atlantic—BGE’s customers and customers of other electric utilities.

As a result of its reliability analysis, PJM took two principal actions. First, PJM directed affected public utilities, including BGE, to construct a wide range of transmission infrastructure improvements, including new transmission lines and substations. The overhead transmission improvements that PJM directed BGE to construct will all occur on existing BGE property and rights-of-way. Second, PJM negotiated a reliability-must-run (“RMR”) agreement with Talen. The RMR requires Talen to keep operating Brandon Shores until May 31, 2029 to give time for the necessary transmission infrastructure improvements to be completed. The RMR agreement requires a payment to Talen of between \$12 million and \$15 million each month, the cost of which utility ratepayers must absorb. BGE’s customers will shoulder about 74% of this cost. Any delays to the necessary infrastructure improvements, including the Solley Road substation and STATCOM, will likely extend the RMR charges that customers must pay. On the other hand, if the necessary infrastructure improvements, including the Solley Road substation and STATCOM, are completed before May 31, 2029, the RMR charges can end sooner, thereby potentially saving customers millions of dollars.

As directed by PJM, BGE must construct approximately 37.2 miles of overhead transmission line, as well as construct, expand, or upgrade five electrical substations. Cumulatively, the work that PJM assigned to BGE is expected to cost more than \$1 billion

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and take until the end of 2028 to complete. Construction of the new Solley Road substation, including the STATCOM, is one of the PJM-mandated projects. The purpose of the STATCOM is to provide reactive power to the 230 kV system via the Solley Road substation. The reactive power that the STATCOM will provide is needed to regulate voltage in the transmission system. The STATCOM will replace voltage regulation that will be lost when Brandon Shores closes.

Although the Marley Neck substation as now designed was not originally included in PJM's directives to BGE, on February 26, 2025, PJM's Board of Managers approved a recommendation that BGE be directed to construct the Marley Neck substation as part of the transmission infrastructure improvements needed to compensate for the closure of the Brandon Shores powerplant. Thus, not only will the PJM-mandated STATCOM occupy a portion of the Marley Neck substation's footprint, but the footprint will also house a 115 kV substation that is needed to address potential thermal overloads in BGE's system, which PJM previously identified.

Because of the PJM Board's recent action, BGE expects that PJM will soon issue what is called a Designation Entity Agreement ("DEA") that directs BGE to build the 115 kV substation. PJM has already included the Marley Neck 115 kV substation in the list of projects set forth in PJM's 2024 "Regional Transmission Expansion Plan, Open Window #1." In addition to the expected DEA mandate, BGE had previously recognized that a future need exists for a 115 kV substation on Marley Neck, which is why BGE purchased the property in 2022. Once PJM required BGE to build the Solley Road substation, BGE conceptualized the design of the Marley Neck substation at the same time to provide a more reliable and efficient transmission path to other parts of BGE's system. Among other advantages, the Marley Neck substation will enhance connectivity and increase protection of neighboring 115 kV circuits that direct-feed customers in the immediate area and beyond.

Because of projected load demand, especially load demand expected to be created by growth on Marley Neck and nearby areas of the County, the Marley Neck substation's footprint will also provide an area for two smaller substations, one a 35 kV substation and the other a 13 kV substation. These two smaller substations are not part of the PJM mandate, but BGE has for some time included the facilities in its long-range plans. BGE anticipates building the two smaller substations in about 10 years, if not sooner.

### **Project Description**

To comply with PJM's directives and enhance its transmission infrastructure, BGE proposes to construct a phased substation project on its Marley Neck property. Both the

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Solley Road and Marely Neck substation footprints will be constructed on undeveloped land owned by BGE located immediately adjacent to an intersection of two existing BGE transmission corridors. These existing transmission corridors extend from the City of Baltimore and Baltimore County through northern, western, and central portions of Anne Arundel County. Locating the substation project next to these existing transmission corridors is ideal. If located elsewhere, BGE would need to acquire new rights-of-way and build additional transmission lines to connect the substations to the grid. Doing so would increase the cost of the project and the time it would take to bring the project online.

The project's first phase will include the Solley Road substation, which will tie directly into the adjacent 230 kV transmission lines, and the STATCOM. The second phase of the project will include the Marley Neck 115 kV substation. The Marley Neck substation will add value to the Solley Road facility by, among other benefits, protecting BGE's sub-transmission system in Anne Arundel County and adjacent areas against present and future thermal overload conditions. The project's third phase will be installation of the smaller 35 kV and 13 kV substations within the footprint of the Marley Neck substation.

The proposed Solley Road substation will be positioned in the central portion of BGE's property, just inside the "Y" formed by a south-to-west junction of the existing transmission line corridors. The Solley Road substation will include a fenced footprint of approximately 530 feet by 640 feet, a driveway connecting to an existing private access road located under BGE's overhead transmission lines, and a stormwater management facility. The STATCOM, which can be thought of as a large voltage regulator, will be located to the west of the Solley Road substation's footprint, on land that will mainly be devoted to the Marley Neck 115 kV substation.

The Marley Neck substation will be positioned in the western portion of BGE's property. The proposed substation includes a fenced footprint of approximately 800 feet by 1,080 feet, a driveway connecting to the existing private access road located under BGE's overhead transmission lines, and a stormwater management facility. Drainage from both substations will flow from the two principal onsite stormwater facilities by way of existing open channels through several privately owned parcels before discharging into the tidal waters of Marley Creek, approximately 2,500 feet west of BGE's property.

At present, except for the transmission corridor, BGE's property is mostly wooded. Although the two substation footprints could have been designed with one very large footprint, BGE separated the substation footprints to minimize impacts to forested areas and other onsite environmental resources, including nontidal wetlands, streams, associated buffers, and locally regulated (but not FEMA) floodplains. Because of the two-



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footprint design, the STATCOM needed for full operation of the Solley Road substation cannot be sited within the substation's planned perimeter without expansion of the perimeter. But, as noted, such an expansion would involve additional impacts to environmental resources. Therefore, to minimize environmental impacts, the STATCOM—a vital part of the work that PJM has mandated—will be positioned within the southeastern section of the Marley Neck substation's footprint. Similarly, the two main transformers of the Marley Neck substation will be positioned within the footprint of the Solley Road substation. The transformers take up significantly less space than the STATCOM, which is why BGE in effect swapped locations.

Equipment associated with the Solley Road substation will include a remotely managed control building, the STATCOM, and numerous above-ground capacitors, circuit switches, breakers, and conductors. Except for the STATCOM, all the equipment will be sited inside a 12-foot-high safety and security fence surrounding the footprint of the Solley Road substation. Equipment associated with the 115 kV Marley Neck substation will include three remotely managed control buildings and numerous above-ground capacitors, circuit switches, breakers, and conductors—all sited within a separate 12-foot-high safety and security fence. As previously described, the STATCOM will be sited within the footprint of the Marley Neck substation, as will be the two smaller 35 kV and 13 kV substations. Inside the Marley Neck substation's 12-foot-high perimeter fence, the STATCOM will be surrounded by an additional 8-foot-high safety fence.

Vehicular access to both substation facilities will be provided by way of the same private road extending from Marley Neck Boulevard, with separate internal access points from the private road and separate sliding gate entrances. Inside their respective fenced footprints, the substations will be covered with yard stone over top of a safety grounding grid. All components of the substations will be unstaffed and remotely controlled. Once operational, the substations will not generate routine daily traffic.

BGE's property is presently zoned W1, Industrial Park. The property is slated to keep its W1 zoning as part of the County's ongoing regional planning and comprehensive zoning processes. A public utility use is a designated special exception use in the W1 zoning district under section 18-6-103 of the County Code. Once built, the fenced substation footprints will occupy approximately 28 acres of the 125.3-acre property. Construction of the two substation footprints, access roadway connections, and stormwater management facilities will require clearing about 58 acres of forest and grading approximately 46 acres. The larger area of clearing is due to connections between the substations, the STATCOM, and associated existing and new transmission lines and circuits. Disturbance of nontidal wetlands, streams, associated buffers, and locally regulated floodplains (there is no FEMA floodplain on the property) have been minimized

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to affect only those areas vitally necessary—consistent with engineering, safety, and reliability requirements—to construct the substations and their related facilities.

**Phasing of the Substation Project**

PJM has directed BGE to have the Solley Road substation and STATCOM fully operational by the end of 2028. BGE anticipates that the Marley Neck 115 kV substation will need to be fully operational by the end of 2029, especially if PJM broadens its directives to include building the 115 kV substation. Nevertheless, depending on how overall changes to power transmission to central Maryland affect BGE's transmission and distribution grid, issuance of final permit approvals and construction of the Marley Neck 115 kV substation may not occur until after 18 months from approval of a special exception for the overall project. Because BGE may not be able to obtain final approvals for the Marley Neck substation phase of the project before the end of the 18-month lapse period applicable to special exceptions, as part of this special exception application BGE is asking the Administrative Hearing Officer to approve a phasing plan that will avoid the special exception lapsing for the Marley Neck substation phase of the project.

In addition, because the future 35 kV and 13 kV substations are much smaller and will be located within the footprint of the Marley Neck substation, which by the time the smaller substations are built will have long been constructed and fenced, BGE is asking the Administrative Hearing Officer to approve a phase three of the project that will extend up to 10 years. The smaller substations will be in the southwest corner of the Marley Neck substation's footprint. That corner of the footprint is presently, and will remain, well-buffered. Moreover, the closest adjacent land use to the southwest corner of the Marley Neck substation's footprint is, and will remain for the foreseeable future, a dredge spoil property used by Anne Arundel County.

Regarding project phasing, to accommodate the needed STATCOM and to allow the 115 kV Marley Neck substation and the two future smaller substations to be brought into service quickly when needed, BGE has determined that it is necessary to prepare the Marley Neck substation's footprint in the overall project's first phase. Thus, the project's first phase will include completing all clearing, grading, internal roadway construction, yard-stone stabilization, stormwater management facilities, and high-security perimeter fence for the Marley Neck substation as part of construction of the Solley Road substation and STATCOM. Undertaking all the site development work as part of phase one will also reduce potential impacts to neighboring properties by consolidating land development and major construction activities to a singular period. Phases two and three of the project would thus involve only the pouring of equipment pads, the erection of control buildings, and the positioning of equipment behind what will then be an already-installed safety and

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security fence to complete the Marley Neck substation and, several years later, the two smaller substations within the footprint of the Marley Neck substation.

To implement such a phased approach, BGE is submitting a plan for phasing with its special exception application as part of its administrative site plan. BGE will thus be asking the Administrative Hearing Officer to approve phased development of the overall project under the provisions of section 18-16-405(b) of the County Code. This Code section provides as follows:

**Extension for phasing or other good cause.** In deciding an application for a special exception use, the Administrative Hearing Officer may extend the time periods set forth in subsection (a) for the use and any variance granted in connection with it when the application includes a phasing plan or sets forth facts that demonstrate other good cause why the time periods set forth in subsection (a) reasonably cannot be met.

As indicated by BGE's administrative site plan, BGE plans to phase the substation project as follows:

Phase One:

- Site preparation for both substation footprints, including necessary tree-clearing, grubbing, and grading.
- Complete construction of the Solley Road substation.
- Complete construction of the STATCOM on the site of the Marley Neck substation.
- Complete construction of all stormwater management facilities.
- Partial construction of the 115 kV Marley Neck substation, including access roads, gated entrance, surrounding safety and security fencing, and laying of yard stone.
- Time for completion: approximately 24 months from the start of site work.

Phase Two:

- Finish construction of the 115 kV Marley Neck substation, including locating two transformers within the footprint of the Solley Road substation, undertaking any fine grading needed, erecting control buildings, and installing equipment pads and equipment.

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- Time for completion: approximately 10 months from start of construction.

Phase Three:

- Installation of the 35 kV and 13 kV substations within the previously prepared and fenced footprint of the Marley Neck substation, including undertaking any fine grading needed, installation of transformers over safety containment structures, and installation of other equipment pads and equipment.
- Time for completion: approximately 18 months from start of construction.

Construction of the Solley Road substation, the STATCOM, and the rest of phase one will begin as soon as the County issues final permits, which BGE hopes will be in early 2026. An approximate date for the start of construction of phase two (the portion of the Marley Neck 115 kV substation not included in phase one) has not yet been established. Depending on several factors, including completion dates for other parts of the PJM-mandated infrastructure improvements, the availability of certain equipment, and the time it takes to obtain final permit approvals, work on phase two could begin shortly after or shortly before work on the Solley Road substation is complete. But there is a chance that phase two work could begin beyond the 18-month period established 18-16-405(a) of the County Code for obtaining permits. For phase three, BGE estimates that installation of the two smaller substations within the footprint of the Marley Neck substation will be necessary in about ten years.

**Special Exception Standards for Public Utility Uses**

BGE believes that its special exception application meets all specific and general special exception standards in the County Code and anticipates that the Office of Planning and Zoning will agree. Regarding the six specific special exception standards for a public utility use, as set forth in section 18-11-144 of the County Code, BGE respectfully asks the Office of Planning and Zoning and the Administrative Hearing Officer to consider the following.

- (1) *The architectural scale, design, and landscaping treatment of the use shall be compatible with other development in the area and shall be fully or partially enclosed as may be necessary to provide compatibility.*

The architectural scale of the proposed substation project involves a lower profile than the scale of existing electrical structures in the adjacent transmission corridor. The lower profile of the substations is generally consistent with the building heights and scale

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of development associated with existing and proposed R10-zoned lands to the north and west of BGE's parcel. The scale of the substations will also be far less visible than the now-closed Browning Ferris ("BFI") landfill immediately to the south of BGE's parcel. The landfill's twin mounds loom over much of central Marley Neck.

BGE has designed the substations to be as compact as possible while adhering to required electrical and civil engineering standards, including electrical safety guidelines. Although most of the substations' equipment will not be enclosed within buildings, each substation will be secured by a 12-foot-high safety and security fence. In addition, the substations will be surrounded by forested areas on all four sides. Significantly, BGE will continue to maintain a forested area to the north of the transmission corridor that adjoins an existing forest conservation easement on land owned by the Creekside Village HOA. The two adjoining forested areas will complement one another and will help ensure limited substation visibility from the north (looking to the south). BGE also proposes planting trees to help fill thin spots in the existing woods next to Creekside Village.

BFI owns existing mature forested areas to the south of the proposed substations next to the closed landfill. These forested areas adjoin and complement existing mature forested areas that BGE will retain along the south side of its property. BGE will also retain existing mature forest stands on both the eastern and far western portions of its property. Most of these existing forested areas will be permanently preserved in forest conservation easements and floodplain reservations. Preserved forest on the eastern part of the property will effectively enlarge a significant swath of preserved forest that extends from near Solley Road to the headwaters of Nabbs Creek. Approximately 95 acres of this connected forest was permanently preserved by BGE's then-affiliate, Constellation Power Source Generation, Inc.

Because of (1) the prevalence of existing forested land around the substations' perimeters, (2) the additional trees BGE will plant next to Creekside Village, (3) the distances between the substations and nearby developed areas, and (4) the substations' relatively low profile, the substations either will not be visible or will have significantly attenuated visibility from Solley Road, Marley Neck Boulevard, and nearby homes.

(2) *The use shall be necessary for public convenience at the designated location.*

The proposed substations will provide critical electrical power infrastructure for BGE's service area, including northern and western Anne Arundel County. The location of the substations is ideal for this purpose because of the abutting transmission line corridors. BGE examined several other sites for a possible substation location, but none of the other sites compared favorably to the Solley Road property.

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(2) *Utility corridors shall be used to the extent practical.*

The proposed substations will be located immediately adjacent to an existing major transmission line corridor on land already owned by BGE.

(4) *The alignment shall follow the topography to minimize any effects to the terrain.*

The proposed configuration of the substations and associated clearing and grading have been designed to minimize earthmoving and impacts on environmental resources, while still meeting substation engineering and safety design requirements. Steep slope areas on the property will not be disturbed and major topographic changes have been avoided. A sizable portion of the unavoidable impacts on environmental features results from adherence to County stormwater management regulations. BGE has explored, and will continue to explore, obtaining approval of alternate stormwater management designs to minimize effects on the property's existing terrain. As part of its administrative site plan package, BGE is submitting preliminary grading and stormwater management plans with this special exception application.

(5) *There shall be selective vegetative clearance for the right-of-way for soil erosion control.*

The substation project is not a right-of-way project, and therefore this requirement is not applicable.

Regarding the present right-of-way for the existing transmission corridors, rules promulgated by FERC require BGE to protect its transmission lines from damage and keep the transmission corridors accessible for inspection and maintenance. Thus, trees and other significant vegetation in the transmission corridors were cleared many years ago. There will be no additional vegetative clearing within the existing transmission corridors for the substation project.

(6) *Structures, such as antennas and lightning masts, may exceed the maximum height limitations of the zoning district in which the use is located if the excess height is the minimum necessary to accomplish the purpose of the structure and minimum setbacks are increased by one foot for each excess foot in height.*

All substation facilities, including the control buildings, will meet height requirements of the W1 zoning district. As may be necessary, BGE will provide increased setbacks for structures such as communications poles and lightning masts.

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**General Special Exception Standards**

Regarding the general standards applicable to all special exception uses, BGE asks the Office of Planning and Zoning and the Administrative Hearing Officer to consider the following.

- (1) *The use will not be detrimental to the public health, safety, or welfare[.]*

The proposed substation project will not be detrimental to the public health, safety, or welfare. Rather, the substations and STATCOM will substantially promote the public welfare by helping to ensure the efficient and reliable delivery of electricity in Anne Arundel County. The need for the substations—an extremely urgent need in the case of the Solley Road substation and STATCOM—results from the imminent closure of the Brandon Shores and Wagner powerplants, and PJM directives related to the powerplant closures to upgrade transmission infrastructure. As determined by PJM, BGE’s proposed infrastructure improvements are necessary and in the best interest of the public.

Furthermore, as detailed in the following paragraphs of this letter addressing other special exception Code standards, BGE’s ability to meet these standards (which cover a range of more specific public welfare issues) is also proof that the proposed substation project will not be detrimental to the public health, safety, or welfare.

- (2) *The location, nature, and height of each building, wall, and fence, the nature and extent of landscaping on the site, and the location, size, nature, and intensity of each phase of the use and its access roads will be compatible with the appropriate and orderly development of the district in which it is located[.]*

The nature and height of the substations’ structures, equipment, safety fences, and access roads will be compatible with the orderly development of the district. In addition, it is notable that an adequate and reliable supply of electricity is necessary for the orderly development of the district.

The proposed substation project will be constructed in three phases. The first and largest construction phase will take approximately twenty-four months. The second phase, to complete the 115 kV Marley Neck substation, will take approximately ten months but will be less intense because phase two will not involve clearing or significant grading since the footprint of and access to the Marley Neck substation will be prepared as part of phase one. Similarly, the third phase will be even less intense and involve only installation of smaller transformers and related equipment in the southwest corner of the then already-prepared Marley Neck substation footprint, next to the County’s dredge spoil site.

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The height of the substations' control buildings and equipment will not exceed heights of typical residential uses and will be lower than the heights of typical industrial uses in W1 zoning districts. Vehicular access to the substation will be via an existing BGE transmission line inspection and maintenance roadway, which will be improved with pavement to reduce dust and function as the principal access to the substations. From a land use perspective, the substations will be comparatively benign uses. The unstaffed, remotely operated substations will place no demands on public facilities and services, including public water, sewer, roads, schools, and libraries.

Regarding landscaping, an electrical substation cannot be landscaped as other land uses might be. For substations, BGE must comply with safety and security standards derived from requirements developed by the North American Electric Reliability Corporation ("NERC") and overseen by FERC. The NERC/FERC requirements include minimum distances between equipment, as well as clearing minimums around a substation's perimeter and associated overhead power lines. The requirements also limit the types and heights of vegetation that can be planted around a substation's broader perimeters.

For example, BGE must maintain a 10-foot ground-to-sky cleared stone or grass-covered area outside of a substation fence to serve as a fire buffer and to facilitate emergency and maintenance access around the substation. The 10-foot cleared area precludes use of tall-growing vegetation that might serve as an access vector for entry by animals (and people) into a substation. Furthermore, all tall-growing vegetation adjacent to the 10-foot cleared area must be maintained so that no overhanging branches encroach into the 10-foot cleared area. Similarly, all tall-growing vegetation must be kept from growing within a "danger tree" area adjacent to a substation and its overhead powerlines. The exact danger tree distance varies depending on the potential heights of trees that might grow tall enough to fall onto electrical equipment or associated powerlines and thereby disrupt power transmission or distribution.

Nevertheless, and arguably better than newly planted landscaping, the proposed substations will be surrounded by forested areas on all four sides. As noted, BGE will maintain an existing forested area adjoining a forest conservation easement platted as part of Creekside Village. The two adjoining forested areas will complement one another and will provide a perpetual forested buffer limiting visibility of the substations from Creekside Village. To the south, BFI owns existing mature forested areas. These forested areas adjoin and complement existing mature forested areas that will be retained on BGE's property. BGE will also retain existing mature forest stands on both the eastern and far western portions of its property. Most of these existing forested areas will be permanently preserved in forest conservation easements.



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Because of (1) the prevalence of existing forested areas around the substations' perimeters, (2) the distance to surrounding developed areas, and (3) the substations' relatively low profile, the substations will be only minimally visible, if at all, from adjoining homes and public roads, even after leaves have fallen from deciduous trees.

- (3) *Operations related to the use will be no more objectionable with regard to noise, fumes, vibration, or light to nearby properties than operations in other uses allowed under this article[.]*

The substations will not produce fumes. The substations will not be lit unless there is an emergency requiring night-time repairs. Such lighting would be temporary, lasting only until repairs are completed. In addition, any vibration the substations might produce will be imperceptible on adjacent properties.

Regarding noise, for residential areas State standards require that noise received from offsite sources at residential property lines must not exceed 65 dBA during daytime hours and 55 dBA during nighttime hours. For industrial areas, state standards require that noise received from offsite sources must not exceed 75 dBA during both daytime and nighttime hours. Sound levels at receiving property lines produced by the substations' transformers, STATCOM, and other equipment will meet these State standards. Furthermore, after construction, the substations will usually generate no daily traffic, which means vehicle noise associated with the substations will be considerably less than noise produced by traffic associated with other land uses. A noise study that BGE recently commissioned for the substation project found that noise associated with traffic is the greatest contributor to existing background noise in the area.

- (4) *The use at the location proposed will not have any adverse effects above and beyond those inherently associated with the use irrespective of its location within the zoning district[.]*

Locating the proposed substations adjacent to existing transmission corridors means the substations will have fewer and less intense inherent adverse effects than if proposed at other locations in the W1 zoning district. The necessary scale of the proposed substations limits where they can be sited because of the amount of land needed and the fact the substations must be connected to transmission lines. If the substations were to be located on a site distant from an existing transmission corridor, presently undeveloped land would have to be cleared for new transmission lines and circuits to connect the substations to the grid, thus causing greater disturbance to a greater number of people. Moreover, as previously noted, the proposed location is large enough and the property's characteristics are such that BGE can preserve existing woodlands for screening and noise

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reduction. Furthermore, the property is large enough to protect adjacent land uses from potential vibration and noise.

The proposed location also reduces the substations' visibility, including attenuated visibility from the closest residential land uses. In addition, the substations' equipment will appear similar to (and will not be any taller than) existing electrical infrastructure in the abutting transmission corridors. Thus, the substations will not be interjecting an inherently different use into the vicinity.

It is also important to note that BGE's property is zoned W1, Industrial Park. Development of an industrial park on the property, which is a permitted use, would very likely create the need for more forest clearing and grading than the clearing and grading needed for the substations. Industrial parks typically consist of large warehouse and flex-space buildings, including required parking lots, loading docks, wide roads to serve large trucks, and, at this location, significant industrial entrances on Solley Road and Marley Neck Boulevard. Typical W1 development also would involve impacts to public facilities, including public sewer, water, and roads. In this sense, just as BGE's use of the property for the substations will lessen many of the inherent impacts associated with substations, BGE's use of the property for the substations will lessen many of the inherent impacts associated with developing the property with permitted uses and other special exception uses allowed by W1 zoning.

- (5) *The proposed use will not conflict with an existing or programmed public facility, public service, school, or road[.]*

The proposed substations will be located on property already owned by BGE and used to support major transmission lines. The addition of the substations will not conflict with any existing or programmed public facility, service, school, or road. The proposed substations will not use any public facilities except for roads. Regarding roads, the substations will produce no routine traffic. Because the substations will be unstaffed and operated remotely, traffic to the substations will be limited to occasional maintenance and infrequent repair trips.

- (6) *The proposed use has the written recommendations and comments of the Health Department and the Office of Planning and Zoning[.]*

As part of the special exception review process, the proposed substation project will have written recommendations and comments from the Health Department and the Office of Planning and Zoning.

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*(7) The proposed use is consistent with the County General Development Plan[.]*

The proposed substation use is consistent with Plan2040, which is the County's General Development Plan. BGE's property is on the boundary between an area where Plan2040's Planned Land Use map calls for industrial land use and an area slated for Medium Density Residential land use. The more detailed Region 3 Plan, presently under consideration by the County Council, retains the planned industrial land use for BGE's property. Proposed Region 3 zoning maps retain the property's W1 zoning.

BGE's property is also within the County's priority funding area, in Growth Tier 2A, and in a Neighborhood Preservation Policy Area, which promotes infill development. The Marley Neck neighborhood preservation policy area is rife with recent infill development and new infill proposals, as encouraged by Plan2040. New infill development, as well as existing development in the area, will need reliable electrical infrastructure.

In Policy BE1.3, Plan2040 states:

The County will provide adequate public schools, roads and other infrastructure facilities in a timely manner and encourage sustainable growth and development practices that enhance the quality of life and general health, safety and welfare of its residents.

Like County infrastructure facilities, electrical power infrastructure is also vital infrastructure that enhances the quality of life and general health, safety and welfare of County residents. In addition, an adequate and reliable supply of electricity is essential for the County to provide its own infrastructure (such as schools, water and sewage treatment plants, pumping stations, and emergency-services communications) to serve the public welfare.

During the review of BGE's special exception prefile submittal, Mr. Patrick Hughes of Planning and Zoning's Long Range Planning Division wrote that BGE's substation proposal "is consistent with the Plan2040 goals, policies and recommendations." BGE welcomes Mr. Hughes' statement, which conveys a significant conclusion by the Office of Planning and Zoning that BGE's proposed public utility use—the substations and STATCOM—is consistent with the County's General Development Plan.

*(8) The applicant has presented sufficient evidence of public need for the use[.]*

The Solley Road substation and STATCOM are critical components of the extensive work that PJM has mandated to compensate for the closure of the Brandon Shores

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powerplant. (After its announcement about closing Brandon Shores, Talen announced that it also will be closing the older H. A. Wagner powerplant, which is situated next to Brandon Shores.) The Marley Neck substation, now included as part of PJM's 2024 Regional Transmission Expansion Plan, and likely soon to be mandated, is a necessary adjunct to the Solley Road substation to address potential thermal overloads in BGE's system and to ensure that the region, including Anne Arundel County, is served by an efficient and reliable power supply.

Constructing the substations and upgrading related electrical infrastructure is therefore needed by, and in the best interest of, the public.

*(9) The applicant has presented sufficient evidence that the use will meet and be able to maintain adherence to the criteria for the specific use[.]*

As addressed on the prior pages of this letter, the proposed substations will meet and maintain adherence to the specific criteria for a public utility use, as set forth in section 18-11-144 of the County Code. The proposed substations will also meet and maintain adherence to all zoning bulk standards applicable to the W1 zoning district. The substations' locations, layouts, and other design elements have been planned to avoid the need for any zoning variances.

*(10) The application will conform to the critical area criteria for sites located in the critical area[.]*

The proposed substation project is not in the Chesapeake Bay Critical Area.

*(11) The administrative site plan demonstrates the applicant's ability to comply with the requirements of the Landscape Manual.*

As Planning and Zoning has acknowledged in the past, BGE cannot provide typical landscaping for its electrical substations. The County's Landscape Manual unfortunately does not provide specific standards for electrical substations. Instead, the Development Division planners usually lump substations in with standards for industrial or heavy commercial land uses. None of these land uses, however, are subject to the same engineering and safety standards as an electrical substation.

In some areas of the property, BGE will be able to plant landscaping, and BGE's special exception application includes a landscaping plan as part of the administrative site plan package. A substation, however, is a unique land use. The Landscape Manual's standards were not written with the engineering, safety, and security limitations that

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constrain substation design. Nevertheless, the Manual provides for modifications to landscaping standards for safety reasons, as well as for other practical difficulties or unnecessary hardships. For any landscaping deficiencies noted during the project's site development plan process, BGE will apply for such a modification. Over many years, the Office of Planning and Zoning has favorably entertained such reasonable modification requests in conjunction with work at other BGE substations.

Moreover, as noted previously, forested areas abut the proposed substation sites on four sides. These forested areas will buffer and significantly reduce the visibility of the substations from public roads and nearby private properties, thus fulfilling the spirit and intent of the Landscape Manual. On the north side of the property, adjacent to Creekside Village, BGE will plant additional trees to fill gaps in the existing woods. BGE will also plant 1.1 acres of trees in a band along the north side of the transmission corridor, which will make the existing woods on that side slightly deeper and provide additional screening between the substations and Creekside Village.

Finally, although not strictly considered landscaping, BGE proposes to seed cleared areas around the substations' perimeters and stormwater management facilities with plant species that will grow into pollinator meadows. The plant species seeded in cleared upland areas will differ from the plant species seeded in disturbed riparian areas and wetland buffers and floodplain areas to ensure survival of the vegetation and to create meadows that will attract a diverse range of pollinator species. BGE is presently working with staff at the Maryland Department of Environment to identify the best way to create the planned pollinator meadows.

### **Summary**

As part of its response to the unexpected closure of the Brandon Shores and H. A. Wagner powerplants, BGE proposes to construct two, interconnected substations and a STATCOM on 125.3 acres that BGE purchased about three years ago. BGE plans to build the project in three phases. First, BGE will build the Solley Road substation and, on a portion of the Marley Neck substation footprint, the STATCOM. As part of phase one, BGE will prepare the entire Marley Neck substation footprint, including constructing access roads, stormwater management facilities, and security fencing and gating, so that when work on the rest of the 115 kV Marley Neck substation begins, no further land clearing or significant grading will be needed. Second, as phase two, BGE will construct the portion of the 115 kV Marley Neck substation that was not built as part of phase one. Finally, in about ten years, BGE will implement phase three by installing smaller transformers and related equipment for 35 kV and 13 kV substations to meet anticipated load needs on Marley Neck.

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PJM, which is the RTO to which BGE belongs, has directed BGE to undertake construction of the Solley Road substation and STATCOM to address potentially severe reliability problems with the existing transmission system that presently brings electric power to central Maryland and beyond. PJM has listed the Marley Neck substation as a facility to be built as part of PJM's 2024 Regional Transmission Expansion Plan and is taking steps to direct BGE to construct the 115 kV Marley Neck substation. But regardless of any PJM action, BGE has already foreseen a public need for the 115 kV Marley Neck substation, as well as the two smaller substations, and is moving forward in three phases with the substations' construction.

The property that BGE purchased in 2022 lies astride two transmission corridors and is an ideal location for the substation project. The property is zoned W1 and is not in the Chesapeake Bay Critical Area. BGE's substation project will be well set back from Solley Road to the east and Marley Neck Boulevard to the west. To the south is forested land owned by BFI and used as a buffer to BFI's closed landfill. To the north is one of the two existing transmission corridors, and beyond the north side of the transmission corridor is the community of Creekside Village. Creekside Village was developed next to then-existing transmission lines about ten years ago and residents have co-existed with them ever since.

As part of its substation project, BGE will be planting trees in thin spots in the existing woods between the transmission lines and Creekside Village. BGE also will be placing these woods in a forest conservation easement that will abut a forest conservation easement created with the development of Creekside Village. Thickening the existing woods and placing the woods in a conservation easement will decrease potential effects of the substation project, including attenuating visibility of the substations from homes in the community.

Compared to permitted and other special exception uses allowed in the W1 zoning district, a substation is a benign land use. An unstaffed substation places no burden on public facilities, including no use of sewer or water and nearly nonexistent traffic generation. Because of the size and other characteristics of BGE's property, the proposed substations will produce fewer potential impacts than other possible substation locations and the potential impacts that remain will be diminished. In essence, BGE's 125.3 acres is the right property at the right location at the right time to provide a site for a critically needed substation project—a project mandated to resolve significant problems created by the closure of the Brandon Shores and H. A. Wagner powerplants, both long-time fixtures on Marley Neck, situated about a mile from BGE's property.

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Planning Administrator  
March 20, 2025  
Page 19 of 20

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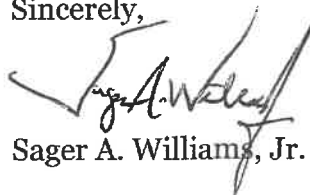
In accordance with the County Code's special exception submittal requirements, BGE is providing the required online application information and is uploading this letter and the following materials:

1. An administrative site plan set, including planimetric plans, a phasing plan, stormwater management plans, forest conservation plans, and landscaping plans;
2. A copy of the current deed for the property on which the substations will be located, as recorded in the Anne Arundel County Land Records in Liber 39165, beginning at page 450;
3. A copy of the subdivision plat that originally created Lot B (recorded in plat book 138, pages 16-17) and a copy of the subdivision plat that reduced the size of Lot B to its present 125.3 acres to create Lot C (recorded in plat book 138, pages 18-19);
4. A list of the names and mailing addresses of the owners of adjacent and nearby lots and parcels who are entitled by the County Code to receive notice of the special exception public hearing;
5. A copy of the Zoning Division's pre-file comments and agency memoranda; and
6. Payment for the filing fee for the special exception application and two public notice signs. When supplied by the Office of Planning and Zoning, BGE will post one notice sign along Solley Road and the other notice sign along Marley Neck Boulevard.

If you or your colleagues have questions about any of the information set forth in this letter, or about any of the accompanying application materials, please contact me at your convenience. Also, please contact me if County planners would like additional information about the background, or any other aspect, of BGE's PJM-mandated substation project on Marley Neck.

On behalf of BGE, I thank you for your consideration of BGE's application. If at any time during the Office of Planning and Zoning's review of BGE's special exception application you believe that a virtual or in-person meeting would be useful, please let me know and I will work with you to make the appropriate arrangements.

Sincerely,



Sager A. Williams, Jr.

The Law Office of Sager A. Williams, Jr.  
410-266-0532 – 202-768-4592  
mdzoninglaw@verizon.net

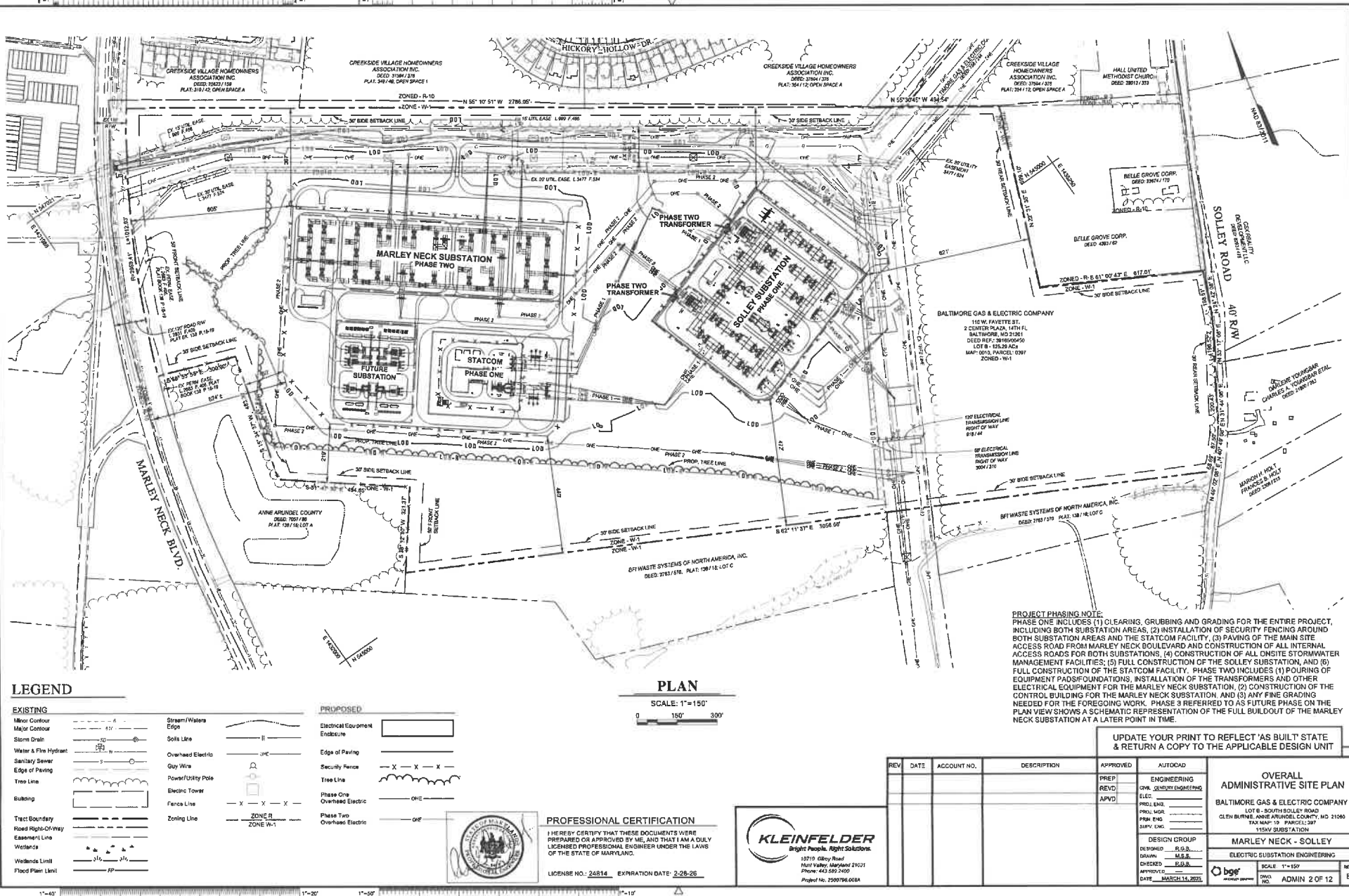
Ms. Sterling P. Seay  
Planning Administrator  
March 20, 2025  
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dc: Mr. Jerome Wilson  
Mr. Patrick Burke  
Ms. Connie Pierce, Esq.  
BGE project team members  
Mr. Robert G. Bathurst, P.E.  
Ms. Bonnie Johansen  
Mr. Shep Tullier







LEGEND

EXISTING	PROPOSED
Minor Contour	Electrical Equipment Enclosure
Major Contour	Edge of Paving
Storm Drain	Security Fence
Water & Fire Hydrant	Tree Line
Sanitary Sewer	Phase One Overhead Electric
Edge of Paving	Phase Two Overhead Electric
Tree Line	
Building	
Tract Boundary	
Road Right-Of-Way	
Easement Line	
Wetlands Limit	
Flood Plain Limit	

PLAN

SCALE: 1"=150'  
0 150' 300'

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**KLEINFELDER**  
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10719 Olney Road  
P.O. Box 10719, Maryland 21071  
Phone: 443.585.2400  
Project No: 2500796.000A

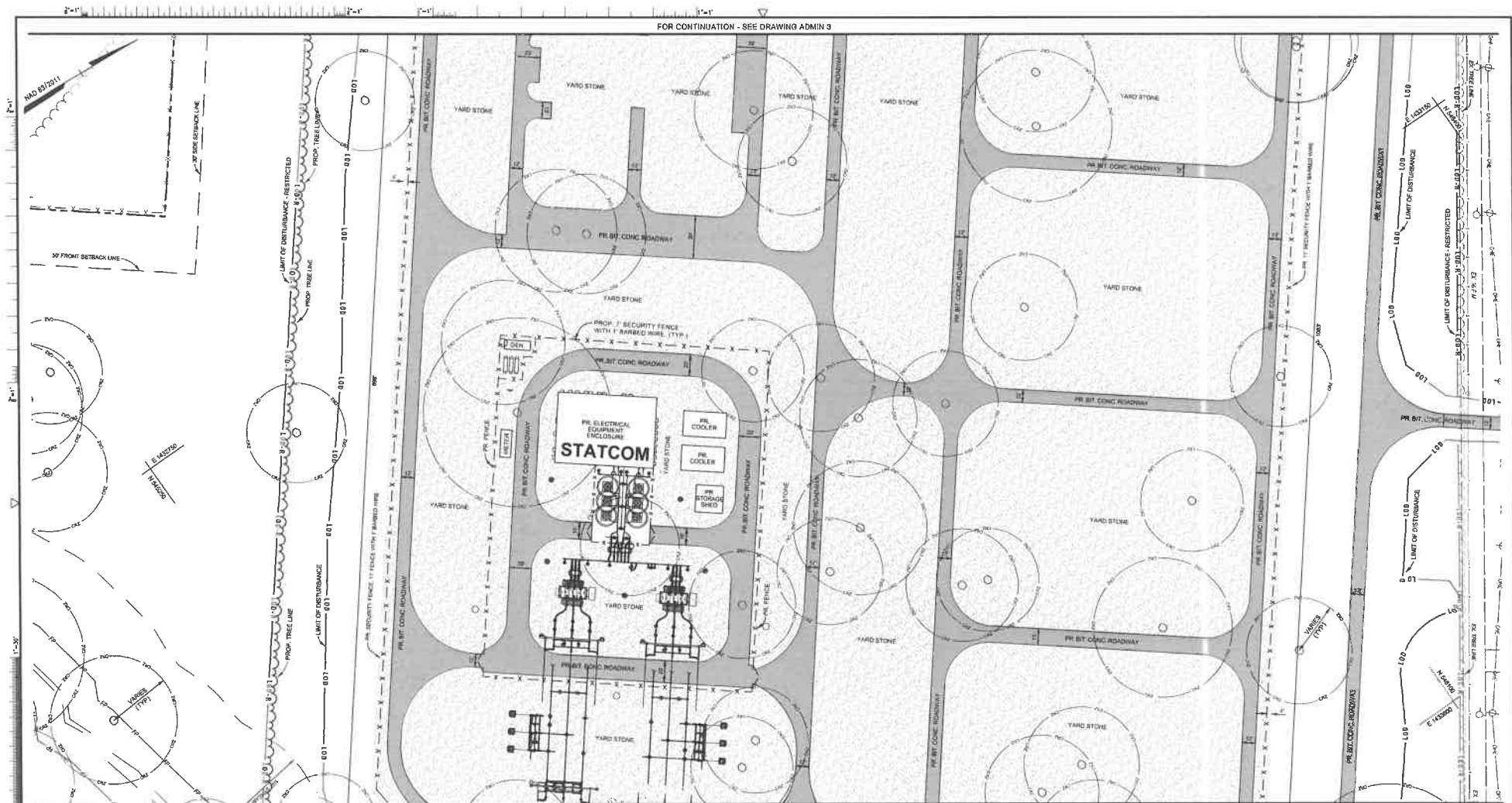
PROJECT PHASING NOTE:  
PHASE ONE INCLUDES (1) CLEARING, GRUBBING AND GRADING FOR THE ENTIRE PROJECT, INCLUDING BOTH SUBSTATION AREAS, (2) INSTALLATION OF SECURITY FENCING AROUND BOTH SUBSTATION AREAS AND THE STATCOM FACILITY, (3) PAVING OF THE MAIN SITE ACCESS ROAD FROM MARLEY NECK BOULEVARD AND CONSTRUCTION OF ALL INTERNAL ACCESS ROADS FOR BOTH SUBSTATIONS, (4) CONSTRUCTION OF ALL ONSITE STORMWATER MANAGEMENT FACILITIES, (5) FULL CONSTRUCTION OF THE SOLLEY SUBSTATION, AND (6) FULL CONSTRUCTION OF THE STATCOM FACILITY. PHASE TWO INCLUDES (1) POURING OF EQUIPMENT PADS/FOUNDATIONS, INSTALLATION OF THE TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT FOR THE MARLEY NECK SUBSTATION, (2) CONSTRUCTION OF THE CONTROL BUILDING FOR THE MARLEY NECK SUBSTATION, AND (3) ANY FINE GRADING NEEDED FOR THE FOREGOING WORK. PHASE 3 REFERRED TO AS FUTURE PHASE ON THE PLAN VIEW SHOWS A SCHEMATIC REPRESENTATION OF THE FULL BUILDOUT OF THE MARLEY NECK SUBSTATION AT A LATER POINT IN TIME.

UPDATE YOUR PRINT TO REFLECT 'AS BUILT' STATE & RETURN A COPY TO THE APPLICABLE DESIGN UNIT

REV	DATE	ACCOUNT NO.	DESCRIPTION	APPROVED	AUTOCAD
PREP					ENGINEERING
REV					CHK: [signature]
APVD					ENG: [signature]
					PROJ. ENGR.
					PROJ. MGR.
					PROJ. ENG.
					STAFF ENG.
					DESIGN GROUP
					DESIGNED: R.G.S.
					DRAWN: M.S.S.
					CHECKED: R.G.S.
					APPROVED: [signature]
					DATE: MARCH 14, 2023

OVERALL ADMINISTRATIVE SITE PLAN	
BALTIMORE GAS & ELECTRIC COMPANY	
LOT 6 - SOUTH SOLLEY ROAD	
GLEN BURNE, ANNE ARUNDEL COUNTY, MD 21060	
TAX MAP 19 PARCELS 287	
1550V SUBSTATION	
MARLEY NECK - SOLLEY	
ELECTRIC SUBSTATION ENGINEERING	
SCALE: 1"=150'	
ADMIN 2 OF 12	

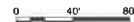




FOR CONTINUATION - SEE DRAWING ADMIN 5

## PLAN

SCALE: 1"=40'



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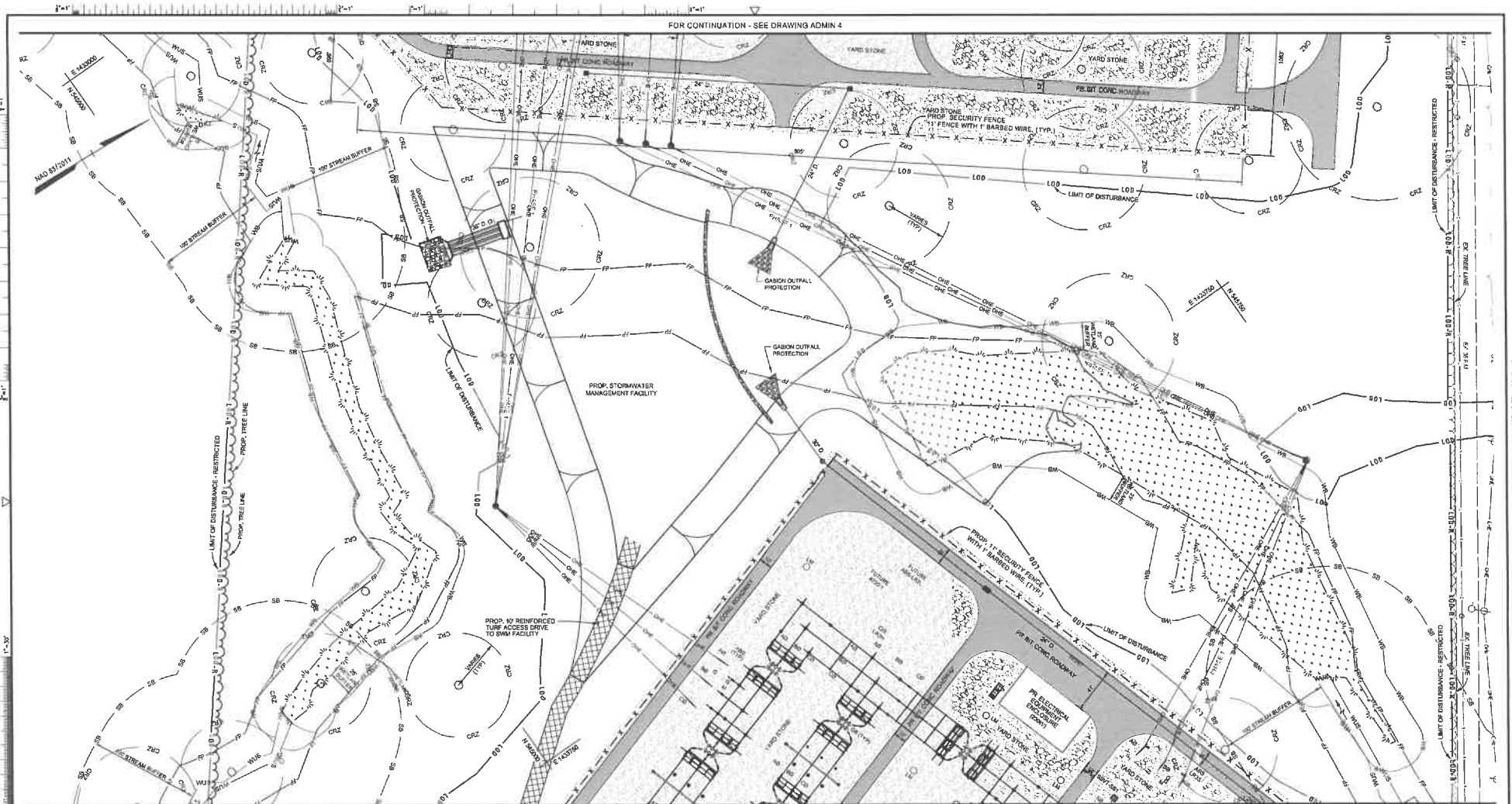
## PHASE ONE ADMINISTRATIVE SITE PLAN

**BALTIMORE GAS & ELECTRIC COMPANY**  
LOT 8 - SOUTH SOLLEY ROAD  
GLEN BURNIE, ANNE ARUNDEL COUNTY, MD 21055  
TAX MAP: 10 PARCEL: 397  
115KV SUBSTATION

ELECTRIC SUBSTATION ENGINEERING

 bge <small>AN CUBI ON SITE POWER</small>	SCALE: 1"=40'	REVISIONS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 
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FOR CONTINUATION - SEE DRAWING ADMIN 4

## PLAN

SCALE: 1"=40'



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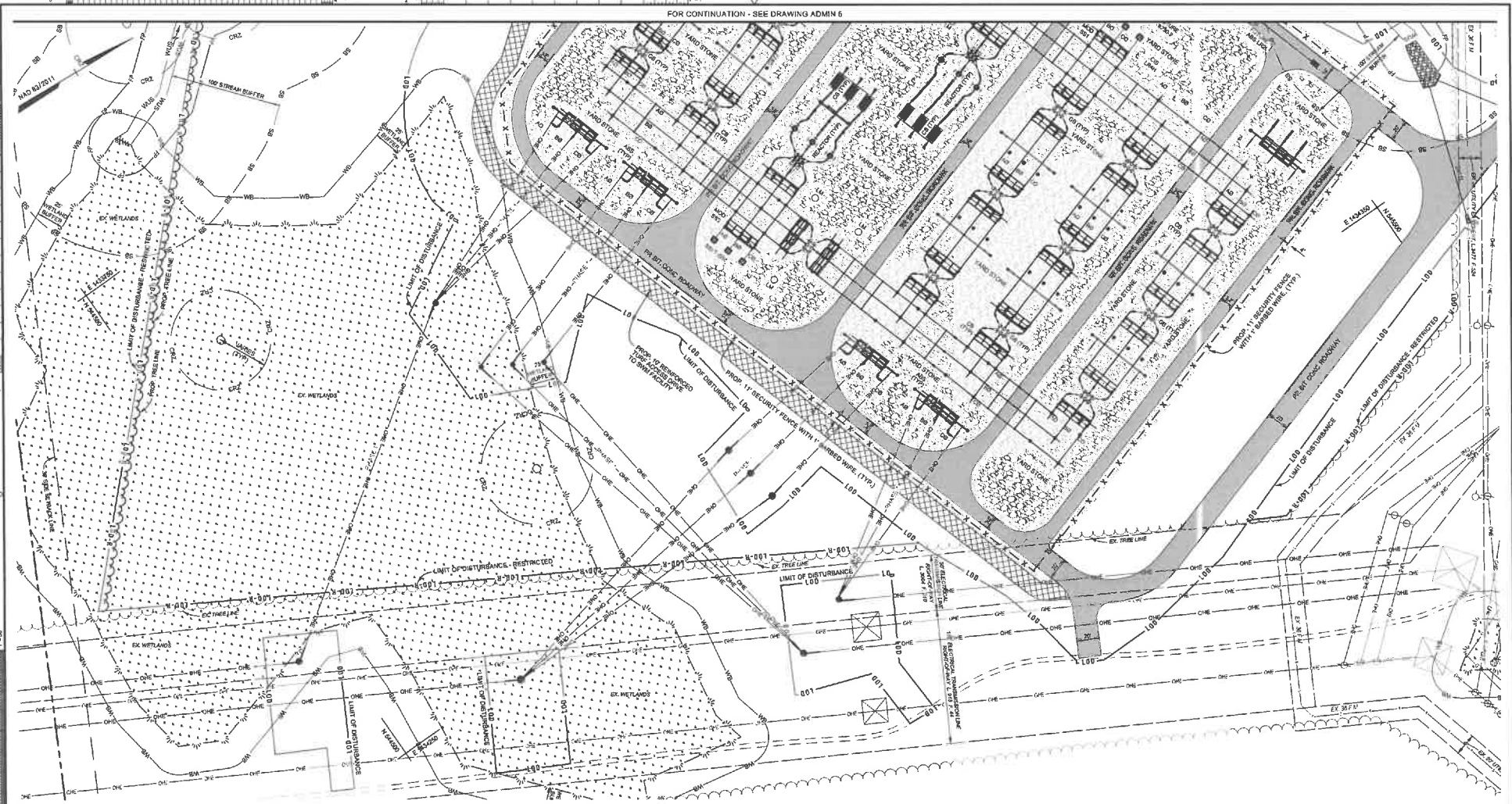
10710 Gilroy Road  
Hunt Valley, Maryland 21073

Project No. 2500798.0000

REV	DATE	ACCOUNT NO.	DESCRIPTION	APPROVED	AUTOCAD
				PREP _____ REV _____ APP'D _____	ENGINEERING CIVIL: gary@bgsinc.com ELECTRIC: _____ PROJECT MGR: _____ PROJECT ENG: _____ PERM DOW: _____ SUPPLY ENG: _____
<div style="text-align: right;"> <b>PHASE ONE</b>  <b>ADMINISTRATIVE SITE PLAN</b> </div>					
BALTIMORE GAS & ELECTRIC COMPANY					
LOT B - SOUTH SOLLEY ROAD					
GLEN BURMAN AVENUE ANDRESSES COUNTY, MD 21090					
TAX MAP-18 PARCEL 397					
125KV SUBSTATION					
<b>MARLEY NECK/SOLLEY SUBSTATION</b>					
ELECTRIC SUBSTATION ENGINEERING					
 SCALE: 1"=40' DWG NO ADMIN 5 OF 12					
REV. B					



FOR CONTINUATION - SEE DRAWING ADMIN 6



PLAN

SCALE: 1"=40'  
0 40' 80'



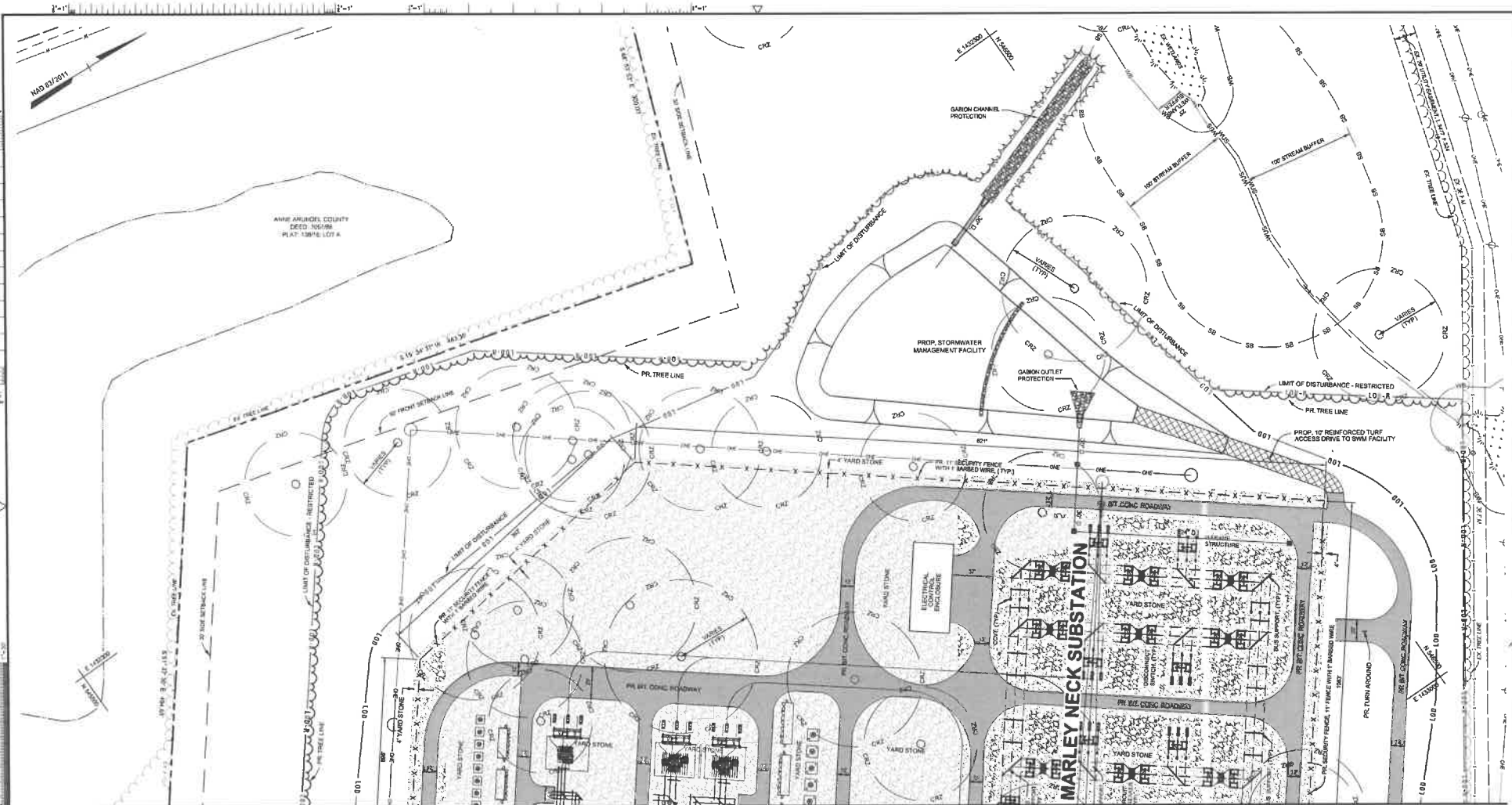
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**KLEINFELDER**  
Bright People. Right Solutions.  
10710 Quince Road  
Navy, Maryland 21051  
Phone: 443.589.3400  
Project No. 250725-0004

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REV	DATE	ACCOUNT NO.	DESCRIPTION	APPROVED	AUTOCAD	PHASE ONE ADMINISTRATIVE SITE PLAN
PREP					ENGINEERING	BALTIMORE GAS & ELECTRIC COMPANY
REV'D					CONVEYANCE	LOT 8 - SOUTH BOLEY ROAD
APVD					ELECT	GLEN BURNE, ANNE ARUNDEL COUNTY, MD 21060
					PROJ. ENG.	TAX MAP: 19 PARCEL: 387
					PROJ. MGR.	115KV SUBSTATION
					PROJ. ENG.	
					SUPV. ENG.	
					DESIGN GROUP	MARLEY NECK - SOLLEY
					DESIGNED: R.O.B.	ELECTRIC SUBSTATION ENGINEERING
					DRAWN: J.S.B.	
					CHECKED: R.O.B.	
					APPROVED: _____	
					DATE: _____	
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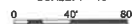
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FOR CONTINUATION - SEE DRAWING ADMIN 8

# PLAN

SCALE: 1"=40'



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REV	DATE	ACCOUNT NO.	DESCRIPTION	APPROVED	AUTOCAD
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APVD					ELC.
					PROJ. ENG.
					PROJ. MGR.
					PRIN. ENG.
					SUPV. ENG.
DESIGN GROUP					
					DESIGNED: R.G.B.
					DRAWN: M.S.S.
					CHECKED: R.G.B.
					APPROVED: _____
					DATE: _____
PHASE TWO ADMINISTRATIVE SITE PLAN					
BALTIMORE GAS & ELECTRIC COMPANY					
LOT 8 - SOUTH BOLLEY ROAD					
GLEN BURKE, ANNE ARUNDEL COUNTY, MD 21086					
TAX MAP: 16 PARCEL 381					
1150V SUBSTATION					
MARLEY NECK - SOLLEY					
ELECTRIC SUBSTATION ENGINEERING					
bge					
SCALE: 1"=40'					
ADMIN 7 OF 12					

T:\07074\Yusuf\340024814\_008A\_BGE\_Solley Feed Station (bge)\DWG\340024814\_008A\_BGE\_Solley Feed Station.dwg (2024-07) PH: 1 AutoInterface Site Planning Sep 10, 2023 12:30pm AutoCAD

FOR CONTINUATION - SEE DRAWING ADMIN 7

FOR CONTINUATION - SEE DRAWING ADMIN 8

# PLAN

SCALE: 1"=40'



## PROFESSIONAL CERTIFICATION

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LICENSE NO.: 24814 EXPIRATION DATE: 2-28-25

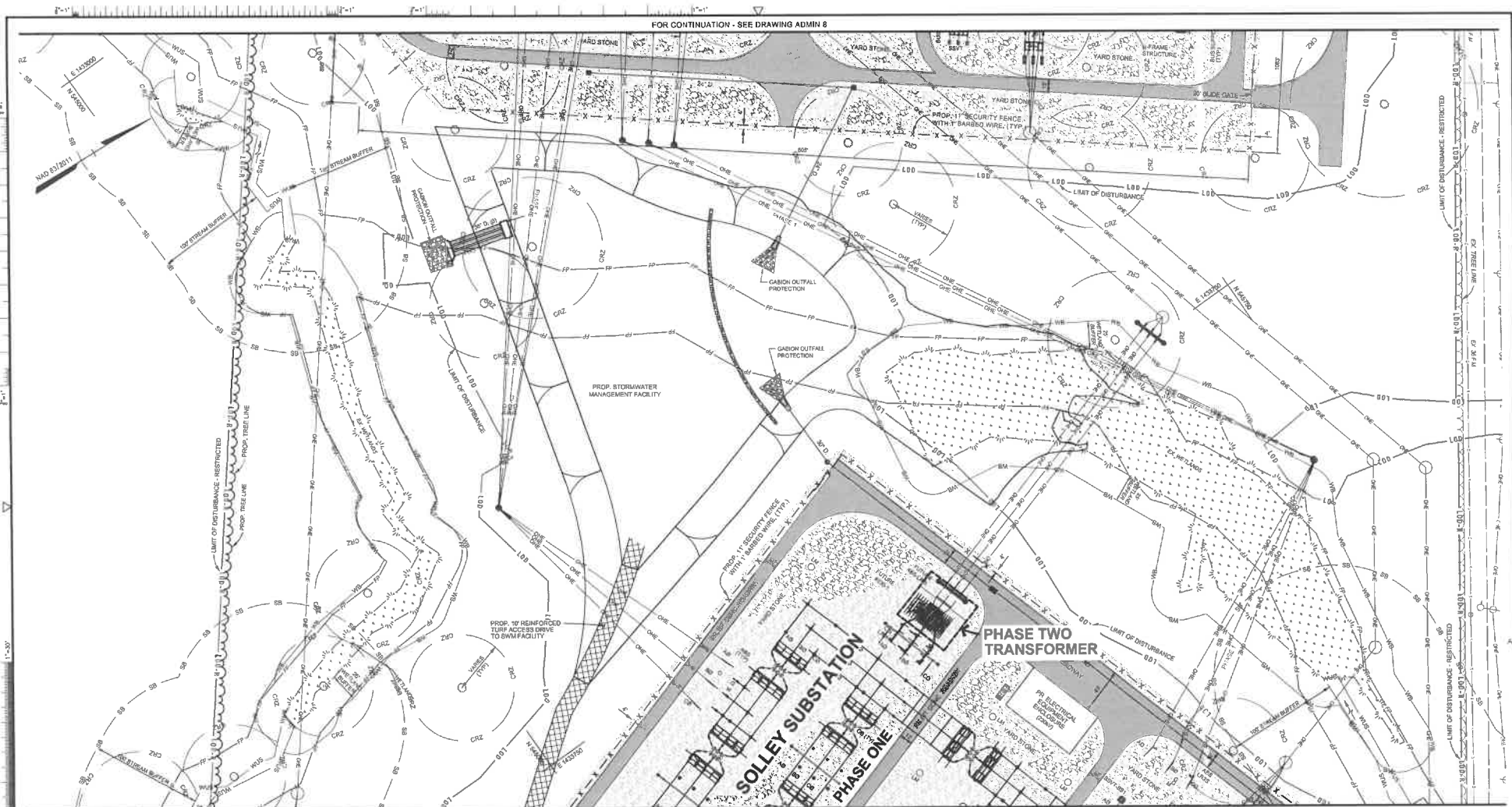


UPDATE YOUR PRINT TO REFLECT 'AS BUILT' STATE & RETURN A COPY TO THE APPLICABLE DESIGN UNIT

REV	DATE	ACCOUNT NO.	DESCRIPTION	APPROVED	AUTOCAD
				PREP	ENGINEERING
				REVD	SECURITY ENGINEERING
				APVD	ELIC
					PROJ. ENG.
					PROJ. MGR.
					PROJ. ENG.
					SUPV. ENG.
DESIGN GROUP					
				DESIGNED	R.G.B.
				DRAWN	M.S.B.
				CHECKED	R.G.B.
				APPROVED	
				DATE	
PHASE TWO ADMINISTRATIVE SITE PLAN					
BALTIMORE GAS & ELECTRIC COMPANY					
LOT 8, SOUTH SOLARY ROAD					
GLEN BURNAL, ANNE ARUNDEL COUNTY, MD 21060					
TAX MAP: 10 PARCEL: 387					
11501 SUBSTATION					
MARLEY NECK SUBSTATION					
ELECTRIC SUBSTATION ENGINEERING					
bge					
SCALE: 1"=40'					
DWG NO. ADMIN 8 OF 12					
REV. B					

1"=40' 1"=30' 1"=50' 1"=10'





FOR CONTINUATION - SEE DRAWING ADMIN 10

## PLAN

SCALE: 1"=40'




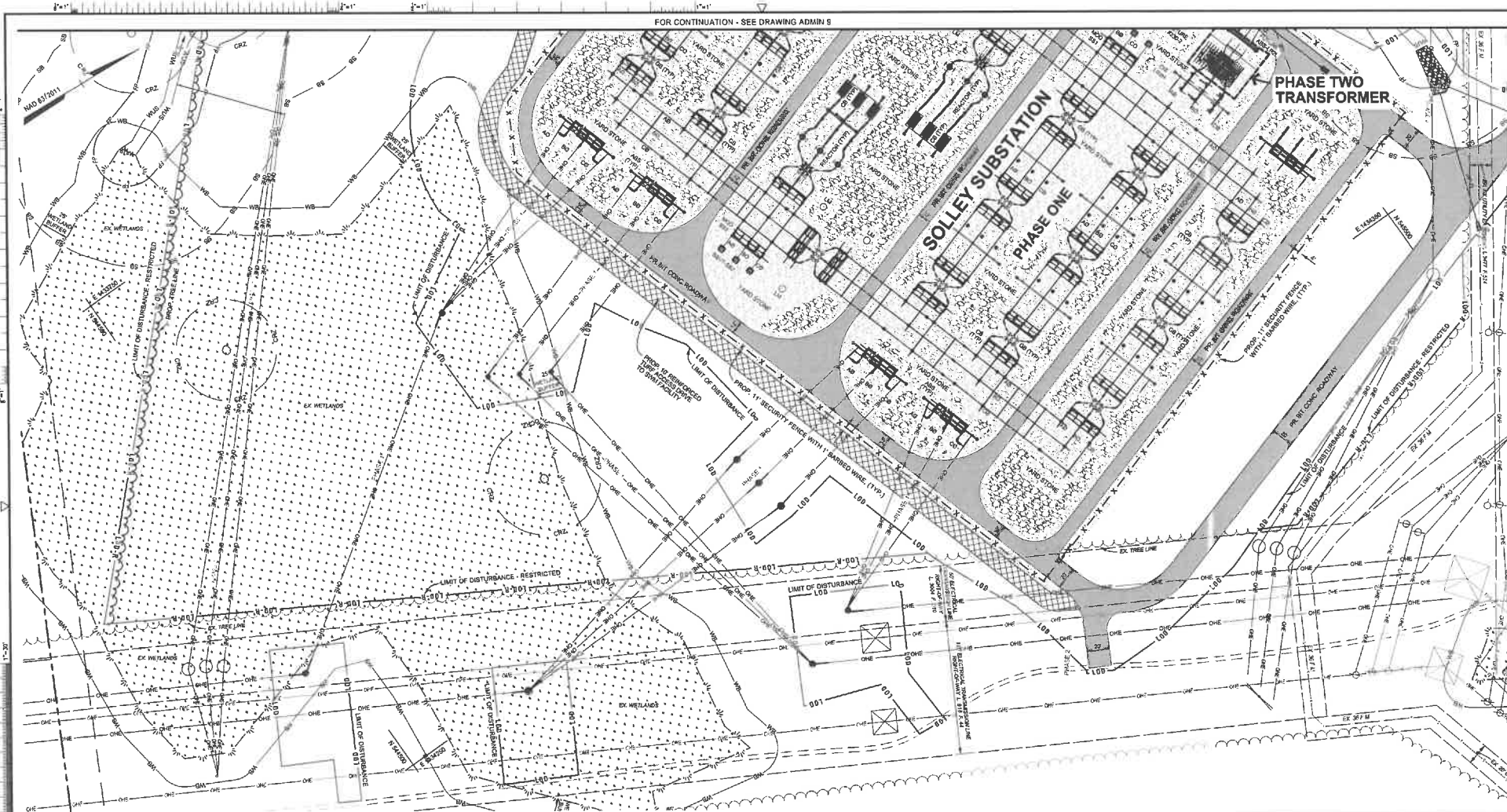
## PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE  
PREPARED OR APPROVED BY ME, AND THAT I AM A DULY  
LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS  
OF THE STATE OF MARYLAND.

LICENSE NO.: 24814 EXPIRATION DATE: 2-28-28



REV	DATE	ACCOUNT NO.	DESCRIPTION	APPROVED	AUTOCAD	PHASE TWO ADMINISTRATIVE SITE PLAN	
				PREP	ENGINEERING	BALTIMORE GAS & ELECTRIC COMPANY LGT. & SOUTH BOULEY ROAD GLEN BURNIE, ANNE ARUNDEL COUNTY, MD 21046 PLAN MAP: 10 PARCEL 387 E-1000 SUBSTATION	
				REV'D	CIVIL, GEOTECH, ENGINEERING		
					ELE.		
					PROP. ENG.		
				APVED	PROP. ENG.		
					PROP. ENG.	MARLEY NECK/SOLLEY SUBSTATION	
					SUPPLY, ENG.		
					DESIGN GROUP		
				DEIGNED	R.B.B.		
				DRAWN	M.B.B.		
				CHECKED	R.B.B.	ELECTRIC SUBSTATION ENGINEERING	
				APPROVED			
				DATE			
					 SCALE: 1"=40' DWG NO: ADMIN 9 OF 12		REV



### PLAN

SCALE: 1"=40'




**PROFESSIONAL CERTIFICATION**

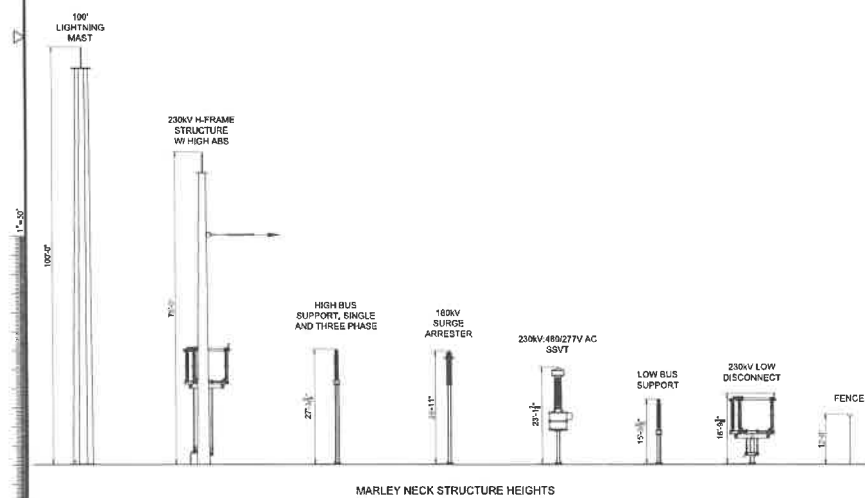
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO.: 24814      EXPIRATION DATE: 2-28-26




REV	DATE	ACCOUNT NO.	DESCRIPTION	APPROVED	AUTOCAD	<div>PHASE TWO ADMINISTRATIVE SITE PLAN</div> <div>BALTIMORE GAS &amp; ELECTRIC COMPANY LOT 8 - SOUTH-BOULEVARD ROAD GLEN BURNIE, ANNAPOLIS, CALVERT COUNTY, MD 21051 TAX MAP 19 - PARCEL 387 15000 SUBSTATION</div> <div>MARLEY NECK - SOLLEY ELECTRIC SUBSTATION ENGINEERING</div> <div><div></div><div>SCALE: 1"=40' DATE: ADMIN 10 OF 12</div></div>
			PREP		ENGINEERING	
			REVD		CMAA_cmaasystems@bge.net	
			APVD			
					ELEC	
					PROJ. ENG.	
					PROJ. MGR.	
					FIN. ENG.	
					SUPPLY ENG.	
					DESIGN GROUP	
					DESIGNED: E.G.G.	
					DRAWN: E.S.B.	
					CHECKED: E.G.G.	
					DATE:	
					APPROVED:	





EQUIPMENT LEGEND	
XFMR	TRANSFORMER
TRANS	TRANSFORMER
TRANSF	TRANSFORMER
SSVT	STATION SERVICE VOLTAGE TRANSFORMER
CCVT	COUPLING CAPACITOR VOLTAGE TRANSFORMER
CVT	CAPACITOR VOLTAGE TRANSFORMER
VT	VOLTAGE TRANSFORMER
PT	POTENTIAL TRANSFORMER
CT	CURRENT TRANSFORMER
CB	CIRCUIT BREAKER
GB	GAS CIRCUIT BREAKER
LCB	GAS CIRCUIT BREAKER
OCB	OIL CIRCUIT BREAKER
SA	SURGE ARRESTER
LA	LIGHTNING ARRESTER
IS	DISCONNECT SWITCH
ABS	AIR BREAK SWITCH
MOD	MOTOR OPERATED DISCONNECT
IND SW	GROUND SWITCH
ES	GROUND SWITCH
EIS	CIRCUIT SWITCHER
G	GROUND SWITCH OPERATING MECHANISM
M	MAIN SWITCH OPERATING MECHANISM
CAP BANK	CAPACITOR BANK
LW	LIGHTNING MAST
GEN	GENERATOR

UPDATE YOUR PRINT TO REFLECT 'AS BUILT' STATE  
& RETURN A COPY TO THE APPLICABLE DESIGN UNIT

REV	DATE	ACCOUNT NO.	DESCRIPTION	APPROVED	AUTOCAD	<div>STRUCTURE HEIGHTS</div> <div><div>BALTIMORE GAS &amp; ELECTRIC COMPANY</div><div>LOT 8 - SOUTH SOLLEY ROAD GLEN BURNIE, ANNE ARUNDEL COUNTY, MD 21060 TAXMAP: 10 PARCEL 397 370.00 AC TOTAL AREA</div></div> <div>MARLEY NECK - SOLLEY</div> <div>ELECTRIC SUBSTATION ENGINEERING</div> <div><div>SCALE AS SHOWN</div><div>DATEADMIN 12 OF 12</div></div>	REV	
				PH/EP	ENGINEERING			
				REV/D	<del>CIVIL ENGINEERING</del>			
				AP/UT	ELEC			
					PROJ ENG. _____			
					PROJ MGR. _____			
					SRUP ENG. _____			
					DESIGN GROUP			
				DESIGNED BY	B.S.S.			
				DRAWN BY	M.S.S.			
				CHECKED BY	R.O.C.			
				APPROVED				
				DATE				



**PROFESSIONAL CERTIFICATION**

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO.: 24814    EXPIRATION DATE: 2-28-26



10710 Gilroy Road  
Hunt Valley, Maryland 21031  
Phone: 443 589 2400  
Project No. 2500795 DBBA



## OFFICE OF PLANNING AND ZONING

### CONFIRMATION OF PRE-FILE

**PRE-FILE #:** 2025-0001-P  
**DATE:** 01/28/2025  
**OPZ STAFF:** Jennifer Lechner  
Patrick Hughes  
Adam Knubel  
**I&P STAFF:** Bradley Bodman

**APPLICANT/REPRESENTATIVE:** Baltimore Gas & Electric Company / Law Office of Sager A. Williams, Jr.

**EMAIL:** mdzoninglaw@verizon.net

**SITE LOCATION:** Solley Road (Lot B), Glen Burnie

**LOT SIZE:** 125.2982 acres

**ZONING:** W1      **CA DESIGNATION:** n/a      **BMA:** n/a      **BUFFER:** n/a      **APPLICATION TYPE:** Special Exception

The applicant is requesting a Special Exception to allow Public Utility Uses in the W1 District, and an extension for a phasing plan.

Per their application: "BGE will be seeking special exception approval for a major electrical substation project on the Marley Neck. As part of its special exception request, BGE will ask the Hearing Officer to approve a phasing plan for the project, allowing full buildout over the next seven years."

#### **COMMENTS**

##### **Zoning Administration Section:**

The applicant is reminded that, in order for the Administrative Hearing Officer to grant approval of the special exception, the proposal must address and meet all of the applicable standards provided under Sections 18-11-144 and 18-16-304. The Letter of Explanation appears to address each of those standards and to provide adequate justification.

##### **OPZ Long Range Planning:**

Plan2040 does not have recommendations that are specific to this site. No application for Planned Land Use change was filed during the Plan2040 process, and the proposal is consistent with the Plan2040 goals, policies and recommendations. No application for rezoning was filed during the 2011 Comprehensive Rezoning process or during the Region 3 Comprehensive Rezoning process, which is currently underway. Adoption of the Region 3 Plan and Comprehensive Zoning map is anticipated for summer 2025.

The 2022 Water and Sewer Master Plan places the site in the Planned Water Service Category (Glen Burnie Low Water Pressure Zone) and the Planned Sewer Service Category (Cox Creek Sewer Service Area). The proposal is consistent with the Water and Sewer Master Plan.

##### **OPZ Development Division, Residential Team:**

Defers to the Zoning Division on whether the applicant meets the Special Exception standards. Should the Special Exception be approved, the following comments are offered:

1. Per Article 17, Title 4, a Preliminary Plan (PP) and Site Development Plan (SDP) application must be submitted and approved.
2. As per Section 17-6-301, the subject parcel is greater than 40,000 square feet therefore Forest Conservation regulations will be applicable.
3. As per Section 17-6-302, a forest stand delineation plan prepared by a licensed forester, licensed landscape architect, or other qualified professional who meets the requirements of COMAR, Title 08.
4. All environmentally sensitive areas on the subject parcel need to be clearly shown on the Preliminary Plan,

SDP, and submitted Plans. The impact on these areas and features shall be removed or minimized and mitigated. Any disturbance to the area noted in Article 17 Title 6 will require modification requests.

5. The proposed development will be subject to the grading and building permit review and approval.
6. Landscaping Buffer Yards for the front, side, and rear yards will be required per the Anne Arundel County Landscape Manual.
7. The proposed BGE electrical substation will need to comply with the W1 bulk regulations in Article 17-6-301 of the County Code.

**I&P Engineering:**

There are no Engineering objections to approval of the requested Zoning Special Exception provided that item 2 in the Engineering Division memo (attached) is addressed prior to Preliminary Plan approval. This request is being deferred to the Zoning Division regarding whether the application meets the Special Exception standards of 18-16-304 requirements for the proposed development for the property under the relevant Code provisions.

**INFORMATION FOR THE APPLICANT**

Section 18-16-301 (c) Burden of Proof. The applicant has the burden of proof, including the burden of going forward with the production of evidence and the burden of persuasion, on all questions of fact. The burden of persuasion is by a preponderance of the evidence.

A special exception may only be granted if the Administrative Hearing Officer makes affirmative findings that the applicant has addressed all the requirements outlined in Articles 18-11-114 and 18-16-304. Comments made on this form are intended to provide guidance and are not intended to represent support or approval of the special exception request.

A preliminary plan checklist is required for development impacting environmentally sensitive areas and for all new single-family dwellings. A stormwater management plan that satisfies the requirements of the County Procedures Manual is required for development impacting environmentally sensitive areas OR disturbing 5,000 square feet or more. State mandates require a developer of land provide SWM to control new development runoff from the start of the development process.



M A R Y L A N D

Office of Planning and Zoning

*Jenny Dempsey*  
*Planning and Zoning Officer*

## MEMORANDUM

TO: Zoning Division

FROM: Patrick Hughes, Long Range Planning

THROUGH: Cindy Carrier, Planning Administrator, Long Range Planning

SUBJECT: Long Range Planning Comments

DATE: 1/17/25

---

**Name of Project:** BGE Solley Road Substation

**Case#:** 2025-0001-P

**Location:** Between Marley Neck Boulevard and Solley Road, south of  
Creskide Village  
Tax Map 10, Parcel 397, Lot B

**Region Planning Area:** Region 3

**Community:** Glen Burnie

### Summary:

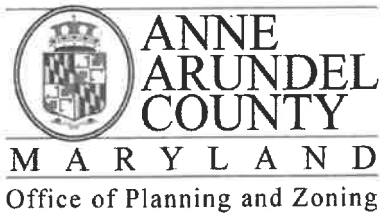
The applicant is seeking a special exception to construct electrical substations as a public utility use in a W1 zone on Marley Neck.

The 125-acre parcel is predominantly wooded and undeveloped, except for transmission line corridors crossing the property. Plan2040 places the site in the Neighborhood Preservation Development Policy Area and the Industrial Planned Land Use category. The current zoning for the site is W1. The site is within the Priority Funding Area. Surrounding Planned Land Uses are Medium Density Residential to the north and west, Commercial and Public Use to the west, and Industrial to the south and east.

### Findings:

Plan2040 does not have recommendations that are specific to this site. No application for Planned Land Use change was filed during the Plan2040 process, and the proposal is consistent with the Plan2040 goals, policies and recommendations. No application for rezoning was filed during the 2011 Comprehensive Rezoning process or during the Region 3 Comprehensive Rezoning process, which is currently underway. Adoption of the Region 3 Plan and Comprehensive Zoning map is anticipated for summer 2025.

The 2022 Water and Sewer Master Plan places the site in the Planned Water Service Category (Glen Burnie Low Water Pressure Zone) and the Planned Sewer Service Category (Cox Creek Sewer Service Area). The proposal is consistent with the Water and Sewer Master Plan.



Jenny B. Dempsey  
Planning and Zoning Officer

## MEMORANDUM

TO: Sterling Seay, Planning Administrator, Zoning Division, OPZ

FROM: Adam Knubel, Development Division, Residential Team, OPZ

SUBJECT: Baltimore Gas and Electric Company, 2025-0001-P

Solley Road, Glen Burnie, MD 21060 (3000-9007-5351)

DATE: January 17, 2025

---

In response to your request for comments regarding a Special Exception to allow for an electrical substation (Public Utility Uses) in a W-1 District, we defer to the Zoning Division on whether the applicant meets the Special Exception standards. Should the Special Exception be approved, the following comments are offered:

1. Per Article 17, Title 4, a Preliminary Plan (PP) and Site Development Plan (SDP) application must be submitted and approved.
2. As per Section 17-6-301, the subject parcel is greater than 40,000 square feet therefore Forest Conservation regulations will be applicable.
3. As per Section 17-6-302, a forest stand delineation plan prepared by a licensed forester, licensed landscape architect, or other qualified professional who meets the requirements of COMAR, Title 08.
4. All environmentally sensitive areas on the subject parcel need to be clearly shown on the Preliminary Plan, SDP, and submitted Plans. The impact on these areas and features shall be remove or minimized and mitigated. Any disturbance to the area noted in Article 17 Title 6 will require modification requests to be made.
5. The proposed development will be subject to the grading and building permit review and approval processes.
6. Landscaping Buffer Yards for the front, side, and rear yards will be required per the Anne Arundel County Landscape Manual.
7. The proposed BGE electrical substation will need to comply with the W1 bulk regulations in Article 17-6-301 of the County Code.





Mark R. Wedemeyer, Director

## Memorandum

TO: Sterling Seay, OPZ - Zoning Division

FROM: Bradley E. Bodman, PE, Engineering Division, Department of Inspections and Permits *BEB*

SUBJECT: Baltimore Gas and Electric Company (BGE)  
Solly Road and Marley Neck Substations  
Solley Road Lot B, Glen Burnie MD 21060  
Special Exception Case Number: 2025-0001-P  
Tax Account Number: 3000-9007-5351  
Zoning Special Exception (Pre-file) Review

DATE: January 13, 2025

---

**Request** - Allow development of a public utility use (electrical substation) in a W1 – Industrial Park District by Special Exception (County Code Section: 18-6-103).

**Review** - Approval is sought for a Special Exception permitting two electrical substations within a BGE-owned property that currently contains a Transmission Line Corridor that is split into a “Y” arrangement. The Solley Road Substation is proposed to be constructed in the central portion of the property, within a fenced area (12’ Security fence), approximately 530’ x 640’, accessed via private access road within the existing east-to-west-running Transmission Corridor and a stormwater management facility outside of the fenced area. The area within the fence will be covered with gravel and safety grounding grid, with the exception of asphalt roads and equipment pads. The Marley Neck Substation is proposed to be constructed in the western portion of the property, within a fenced area (12’ Security fence), approximately 800’ x 1,080’, accessed via private access road within the existing east-to-west-running Transmission Corridor and a stormwater management facility outside of the fenced area, to the west of the substation. The area within the fence will be covered with gravel and safety grounding grid, with the exception of asphalt drives and equipment pads.

The site will be constructed within W1-zoned land. The substations will occupy approximately 28 acres of the 125-acre property. Construction of the substations access roadway connections and stormwater management facilities will require grading of 46 acres and clearing of 58 acres. The Solley Road Substation equipment will include 2 transformers, a remotely managed control building, capacitors, circuit switches, breakers and conductors. Equipment within the Marley Neck substation will include 8 transformers, 3 remotely managed control buildings a voltage regulating device (STATCOM) and numerous above-ground capacitors. The STATCOM facility will be located in the southeastern corner of the Marley Neck substation area.

The full project is proposed to be completed in two phases. Phase 1 will consist of complete construction of the Solley Road substation and the STATCOM facility which will be operational by the end of 2026. It is also proposed

that, along with construction of the Solley Road substation and STATCOM facility, the remainder of the Marley Neck substation area (clearing, grading, internal roadways, yard stone, perimeter fence and stormwater management) will also be constructed. Phase 2 will consist of installation of the proposed electrical equipment within the fenced area of the Marley Neck substation and is anticipated to be operational within 5-7 years.

No water or sewer connections are proposed as the site will be un-manned and remotely controlled.

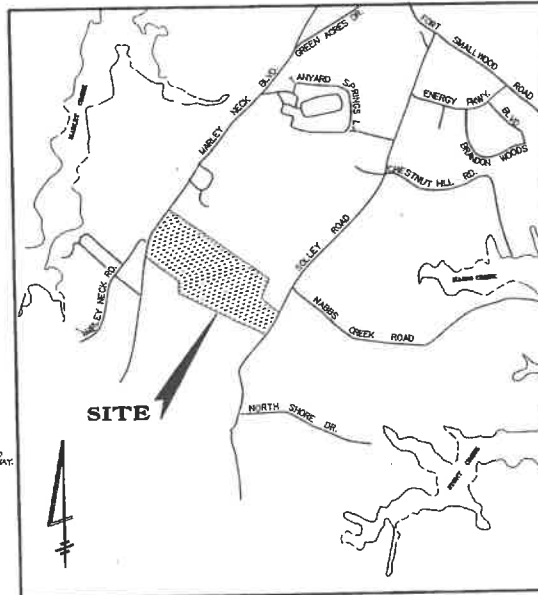
This office has received the subject application and performed a review for engineering (roads, storm drainage, stormwater management and utilities) issues and has the following comments:

1. The proposed project does not include or require water or sewer service. The number of EDU's is proposed to be less than five (0), therefore a SWAMP analysis of public water and/or sewer services is not required. Adequacy of facilities for utilities has been adequately addressed for this development.
2. Review of how the site will comply with storm drain outfall adequacy and stormwater management requirements including environmental site design (ESD) to the Maximum Extent Practicable (MEP) and how stormwater runoff from and through the property will be conveyed and where it discharges – will be addressed with the Preliminary Plan (Concept) review stage.
3. As indicated on FEMA FIRM #24003C0062F, Effective February 18, 2015, the proposed Limits of Disturbance (LOD) appears to be entirely within Flood Zone X. However, based on the 10-yr, 24-hr runoff (Q10) computations for the watercourses within the property, the property may contain 100-year floodplain(s) by Anne Arundel County definition, whereby if the Q10 at any point within the property exceeds 100 cfs, a floodplain will exist.
4. The Applicant asks that the Administrative Hearing Officer to approve the proposed phasing of the project.

**Determination** - There are no Engineering objections to approval of the requested Zoning Special Exception provided that item 2 above is addressed prior to Preliminary Plan approval. This request is being deferred to the Zoning Division regarding whether the application meets the Special Exception standards of 18-16-304 requirements for the proposed development for the property under the relevant Code provisions.

## GENERAL NOTES

1. THIS SITE IS SUBJECT TO SITE PLAN APPROVAL BY THE ANNE ARUNDEL COUNTY OFFICE OF PLANNING AND ZONING PRIOR TO BUILDING PERMIT APPROVAL FOR LOTS A AND B.
2. THE REQUIREMENTS OF THE ANNOTATED CODE OF MARYLAND, REAL PROPERTY ARTICLE 3, SECTION 3-108, 1988 EDITION AS FAR AS THEY RELATE TO THE MAKING OF THIS PLAT AND THE SETTING OF MARKERS HAVE BEEN COMPLIED WITH. (SEE SHEET 2 OF 2)
3. EXISTING ZONING OF PROPERTY IS W-1  
SETBACK REQUIREMENTS  
FRONT YARD 80 FEET  
REAR AND SIDE YARD 30 FEET  
PRINCIPAL STRUCTURES 30 FEET  
ACCESSORY STRUCTURES 25 FEET  
STRUCTURES SHALL BE SET BACK AT LEAST 100 FEET FROM ANY FREEWAY, 100 FEET FROM LIMITED ACCESS HIGHWAY AND 80 FEET FROM ANY OTHER PUBLIC RIGHT-OF-WAY.  
4. THERE IS NO REFERENCE TO ANY CONDITIONS, COVENANTS AND RESTRICTIONS PERTAINING TO THE USE OF THE SUBDIVISION.
5. ALL CURRENT TAXES 1989-1990 HAVE BEEN PAID UNDER TAX ACCOUNT NUMBER 3-000-19367100
6. COORDINATES SHOWN ON SHEET 3 OF 2 ARE IN COMPLIANCE WITH THE ANNE ARUNDEL COUNTY GRID SYSTEM AND APPLICABLE STATE LAW.



LOCATION MAP  
SCALE: 1" = 2000'

THE PURPOSE OF THIS PLAT IS TO CONVEY LOT A  
AS SHOWN ON SHEET 2 OF 2 TO ANNE ARUNDEL COUNTY.

## SITE ANALYSIS

1. TOTAL AREA	8,670,591 SF - 153.1357 ACRES
2. EXISTING ZONING	W-1
3. RIGHT-OF-WAY DEDICATION	17,010 SF - 0.4111 ACRES
4. TOTAL LOT AREA	192.7246 ACRES
5. NUMBER OF LOTS PROPOSED	2
6. TYPE OF DEVELOPMENT	INDUSTRIAL

## SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE PLAN SHOWN ON SHEET 2 OF 2 IS CORRECT, THAT IT IS A SUBDIVISION OF A PORTION OF THE LANDS CONVEYED BY REAL ESTATE AND IMPROVEMENT COMPANY OF BALTIMORE CITY TO THE MARLEY NECK-PATAPSCO COMPANY BY DEED DATED JANUARY 1, 1932 AND RECORDED AMONG THE LAND RECORDS OF ANNE ARUNDEL COUNTY IN LIBER F.S.R. 96 FOLIO 213.

GARY L. THURMAN 2-06-90  
REGISTERED PROPERTY LINE SURVEYOR  
MARYLAND LICENSE NO. 322



APPROVED BY VIRTUE OF OFFICIAL ACTION TAKEN BY  
ANNE ARUNDEL COUNTY OFFICE OF PLANNING AND ZONING.

John K. White 5/12/91  
PLANNING AND ZONING OFFICER DATE

County Health Officer-Public Systems DATE

1591 APR 22 PM 5:46

## DEDICATION BY OWNER

WE, MOUNT CLARE PROPERTIES, INC. (A MD. CORP.) OWNERS OF THE PROPERTY SHOWN AND DESCRIBED HEREON HEREBY ADOPT THIS PLAN OF SUBDIVISION AND ESTABLISH THE MINIMUM BUILDING RESTRICTION LINES. THERE ARE NO SUITS, ACTIONS AT LAW, LEASES, LIENS, MORTGAGES, TRUSTS, EASEMENTS OR RIGHTS-OF-WAY AFFECTING THE PROPERTY INCLUDED IN THIS PLAN OF SUBDIVISION, EXCEPT AS SHOWN ON THESE PLATS, AND ALL PARTIES IN INTEREST THERETO HAVE HERETO AFFIXED THEIR SIGNATURES INDICATING THEIR ASSENT AND WILLINGNESS TO JOIN THIS PLAN OF SUBDIVISION.

Richard L. Beales 2/8/91  
PRESIDENT  
MOUNT CLARE PROPERTIES, INC. (A MD. CORP.) DATE

David L. Lancaster 2-8-91  
VICE PRESIDENT  
MOUNT CLARE PROPERTIES, INC. (A MD. CORP.) DATE

Mark S. Hoffmann 2/8/91  
ASSISTANT SECRETARY  
MOUNT CLARE PROPERTIES, INC. (A MD. CORP.) DATE

Witness 2/8/91  
DATE

ADMINISTRATIVE SUBDIVISION OF  
**SOUTH SOLLEY ROAD PARCEL**  
**MOUNT CLARE PROPERTIES, INC.**

THIRD DISTRICT ANNE ARUNDEL COUNTY, MARYLAND  
SCALE: AS SHOWN  
OCTOBER 3, 1990  
TAX MAP 10 GRID 17 PART OF PARCEL 49  
SHEET 1 OF 2

**KIDDE CONSULTANTS, INC.**

ENGINEERS PLANNERS SURVEYORS  
1020 CROWMELL BRIDGE ROAD BALTIMORE MARYLAND 21204  
(301) 321-5500

SUBDIVISION \* M5- 91-060 PROJECT \*

7190

COORDINATE VALUES

NO.	NORTH	EAST
239	484539.23	922789.44
372	484539.20	922357.52
382	484787.50	919408.93
431	486410.21	920094.63
443	484819.28	922381.83
1267	482851.77	922375.03
1330	483111.81	920348.08
1532	483578.10	920348.55
1542	484727.05	919398.21
1546	483893.48	922521.56
1547	483584.72	923078.80
1548	482908.82	922629.04
1549	482897.73	922721.24
1550	483065.84	922780.07
1551	483237.41	922886.20
1552	483404.38	922995.83

MARLEY NECK ROAD CURVE DATA

FROM 382 TO 431  
 RADIUS = 3989.41'  
 LENGTH = 1776.53'  
 TANGENT = 903.47'  
 DELTA = 25°42'28"  
 CHORD = N 22°54'33" E 1761.66'

SOLEY ROAD COURSES

1547 TO 1552 S 24°42'20" W 198.51'  
 1552 TO 1551 S 31°17'20" W 199.75'  
 1551 TO 1550 S 31°44'20" W 201.74'  
 1550 TO 1548 S 40°49'20" W 90.00'  
 1548 TO 1548 S 45°02'20" W 128.09'  
 1548 TO 1267 S 41°14'20" W 75.86'

Baltimore Gas and Electric Company  
 Liber 5075 Folio 573  
 W-1 ZONE

Baltimore Gas and Electric Company  
 Liber 5075 Folio 573  
 R-Z ZONE

The Belle Grove Corporation  
 Liber 4393 Folio 62  
 R-Z ZONE

LOT B  
 REMAINING PARCEL  
 142.7812 AC.

LOT A  
 9.9434 AC.

ADMINISTRATIVE SUBDIVISION PLAT  
 SOUTH SOLLEY ROAD PARCEL  
 MOUNT CLARE PROPERTIES, INC

THIRD DISTRICT ANNE ARUNDEL COUNTY, MARYLAND  
 SCALE: 1"= 200' OCTOBER 3, 1990

TAX MAP 10 GRID 17 PART OF PARCEL 49  
 SHEET 2 OF 2

KIDDE CONSULTANTS, INC.

ENGINEERS PLANNERS SURVEYORS  
 1020 CROMWELL BRIDGE ROAD BALTIMORE MARYLAND 21204  
 (301) 321-5500

SUBDIVISION \* MS 01-060 PROJECT \*

MSA 55A 1933-76-2

FILE D:\NOD\PLAT28P.COH (MICROSTATION)

FF AA 10-B

BOOK 138 PAGE 17

APPROVED BY VIRTUE OF ACTION TAKEN BY  
 ANNE ARUNDEL COUNTY OFFICE OF PLANNING AND ZONING.

*David K. White* 5/16/91  
 PLANNING AND ZONING OFFICER DATE

*Mark S. Hoffman* 5/16/91  
 COUNTY HEALTH OFFICER-PUBLIC SYSTEMS DATE

SURVEYOR'S CERTIFICATE  
 (SEE SHEET 1 OF 2)

*Mark S. Hoffman* 5/16/91  
 GARY J. HOFFMAN  
 REGISTERED PROPERTY LINE SURVEYOR  
 MARYLAND LICENSE NO. 372



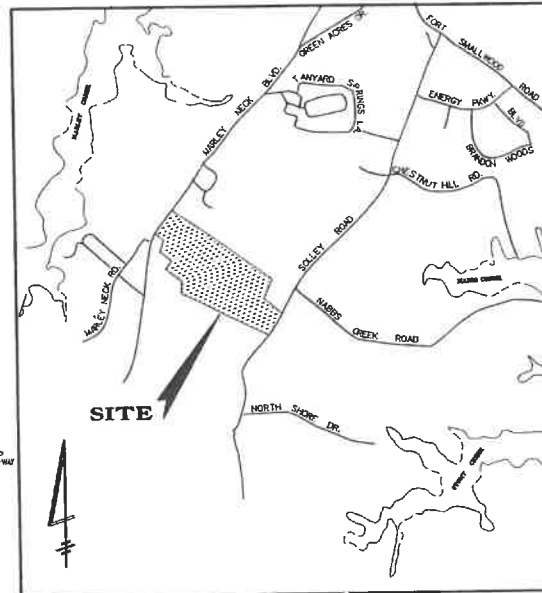
RECEIVED 22 FEB 94

DEDICATION BY OWNER  
*Richard L. Beales* 2/16/91  
 RICHARD L. BEALES  
 PRESIDENT  
 MOUNT CLARE PROPERTIES, INC. (A MD. CORP.)  
 DATE  
*David L. Lancaster* 2-8-94  
 DAVID L. LANCASTER  
 VICE PRESIDENT  
 MOUNT CLARE PROPERTIES, INC. (A MD. CORP.)  
 DATE  
*Mark S. Hoffman* 2/16/91  
 MARK S. HOFFMAN  
 ASSISTANT SECRETARY  
 MOUNT CLARE PROPERTIES, INC. (A MD. CORP.)  
 DATE

## GENERAL NOTES

1. THIS SITE IS SUBJECT TO SITE PLAN APPROVAL BY THE ANNE ARUNDEL COUNTY OFFICE OF PLANNING AND ZONING PRIOR TO BUILDING PERMIT APPROVAL FOR LOTS A, B AND C.
2. THE REQUIREMENTS OF THE ANNOTATED CODE OF MARYLAND, REAL PROPERTY ARTICLE 3, SECTION 3-108, 1988 EDITION AS FAR AS THEY RELATE TO THE MAKING OF THIS PLAN AND THE SETTING OF MARKERS HAVE BEEN COMPLIED WITH. (SEE SHEET 2 OF 2)
3. EXISTING ZONING OF PROPERTY IS W-1  
SETBACK REQUIREMENTS  
FRONT YARD - 50 FEET  
REAR AND SIDE YARD - PRINCIPAL STRUCTURES - 30 FEET  
ACCESSORY STRUCTURES - 15 FEET  
STRUCTURES SHALL BE SET BACK AT LEAST 200 FEET FROM ANY FREEWAY, 100 FEET FROM UNITED STATES HIGHWAY AND 50 FEET FROM ANY OTHER PUBLIC RIGHT-OF-WAY
4. THERE IS NO REFERENCE TO ANY CONDITIONS, COVENANTS AND RESTRICTIONS PERTAINING TO THE USE OF THE SUBDIVISION.
5. ALL CURRENT TAXES 1989-1990 HAVE BEEN PAID UNDER TAX ACCOUNT NUMBER 3-000-19367100
6. COORDINATES SHOWN ON SHEET 2 OF 2 ARE IN COMPLIANCE WITH THE ANNE ARUNDEL COUNTY GRID SYSTEM AND APPLICABLE STATE LAW.

THE PURPOSE OF THIS PLAT IS TO CONVEY LOT C AS SHOWN ON SHEET 2 OF 2 TO BROWNING-FERRIS INC. TO ELIMINATE ENCRoACHMENTS ALONG SOUTHERLY PROPERTY LINES.



LOCATION MAP  
SCALE: 1" = 2000'

## SITE ANALYSIS

1. TOTAL AREA	6,819,840 SF • 142.7812 AC. (153,1357 AC. BEFORE M-5-DI-060)
2. EXISTING ZONING	W-1
3. RIGHT-OF-WAY DEDICATION	0
4. TOTAL LOT AREA	142.7812 AC.
5. NUMBER OF LOTS PROPOSED	2
6. TYPE OF DEVELOPMENT	INDUSTRIAL

## SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE PLAN SHOWN ON SHEET 2 OF 2 IS CORRECT, THAT IT IS A SUBDIVISION OF A PORTION OF THE LANDS CONVEYED BY REAL ESTATE AND IMPROVEMENT COMPANY OF BALTIMORE CITY TO THE HARLEY NECK-PATAWCO COMPANY BY DEED DATED JANUARY 1, 1932 AND RECORDED AMONG THE LAND RECORDS OF ANNE ARUNDEL COUNTY IN LIBER F.S.R. 96 FOLIO 213.

*Gary J. Thurman* 15-Apr-91  
GARY J. THURMAN  
REGISTERED PROPERTY LINE SURVEYOR  
MARYLAND LICENSE NO. 322



APPROVED BY VIRTUE OF OFFICIAL ACTION TAKEN BY ANNE ARUNDEL COUNTY OFFICE OF PLANNING AND ZONING.

*Don K. White* 5/16/91  
PLANNING AND ZONING OFFICER DATE

*M. C. A.* 4/6/91  
COUNTY HEALTH OFFICER-PUBLIC SYSTEMS DATE

## DEDICATION BY OWNER

WE, MOUNT CLARE PROPERTIES, INC. (A MD. CORP.) OWNERS OF THE PROPERTY SHOWN AND DESCRIBED HEREON, HEREBY ADOPT THIS PLAN OF SUBDIVISION AND ESTABLISH THE MINIMUM BUILDING RESTRICTION LINES. THERE ARE NO EASES, ACTIONS AT LAW, LEASES, LIENS, MORTGAGES, TRUSTS, EASEMENTS OR RIGHTS-OF-WAY AFFECTING THE PROPERTY INCLUDED IN THIS PLAN OF SUBDIVISION, EXCEPT AS SHOWN ON THESE PLATS, AND ALL PARTIES IN INTEREST THEREON HAVE HEREUNTO AFFIXED THEIR SIGNATURES, INDICATING THEIR ASSENT AND WILLINGNESS TO JOIN THIS PLAN OF SUBDIVISION.

*David L. Lancaster* 4-26-91  
DAVID L. LANCASTER  
VICE PRESIDENT  
MOUNT CLARE PROPERTIES, INC. (A MD. CORP.)

*Mark S. Hoffmann* 4/26/91  
MARK S. HOFFMANN  
ASSISTANT SECRETARY  
MOUNT CLARE PROPERTIES, INC. (A MD. CORP.)

*M. D. J.* 4/26/91  
WITNESS DATE

ADMINISTRATIVE SUBDIVISION OF LOT-B  
SOUTH SOLLEY ROAD PARCEL  
MOUNT CLARE PROPERTIES, INC.

THIRD DISTRICT ANNE ARUNDEL COUNTY, MARYLAND  
SCALE: AS SHOWN APRIL 29, 1991  
TAX MAP 10 GRID 17 PART OF PARCEL 49  
SHEET 1 OF 2

## KIDDE CONSULTANTS, INC.

ENGINEERS PLANNERS SURVEYORS  
1020 CROMWELL BRIDGE ROAD BALTIMORE MARYLAND 21204  
(301) 321-5500

SUBDIVISION • M-5-DI-118 PROJECT •

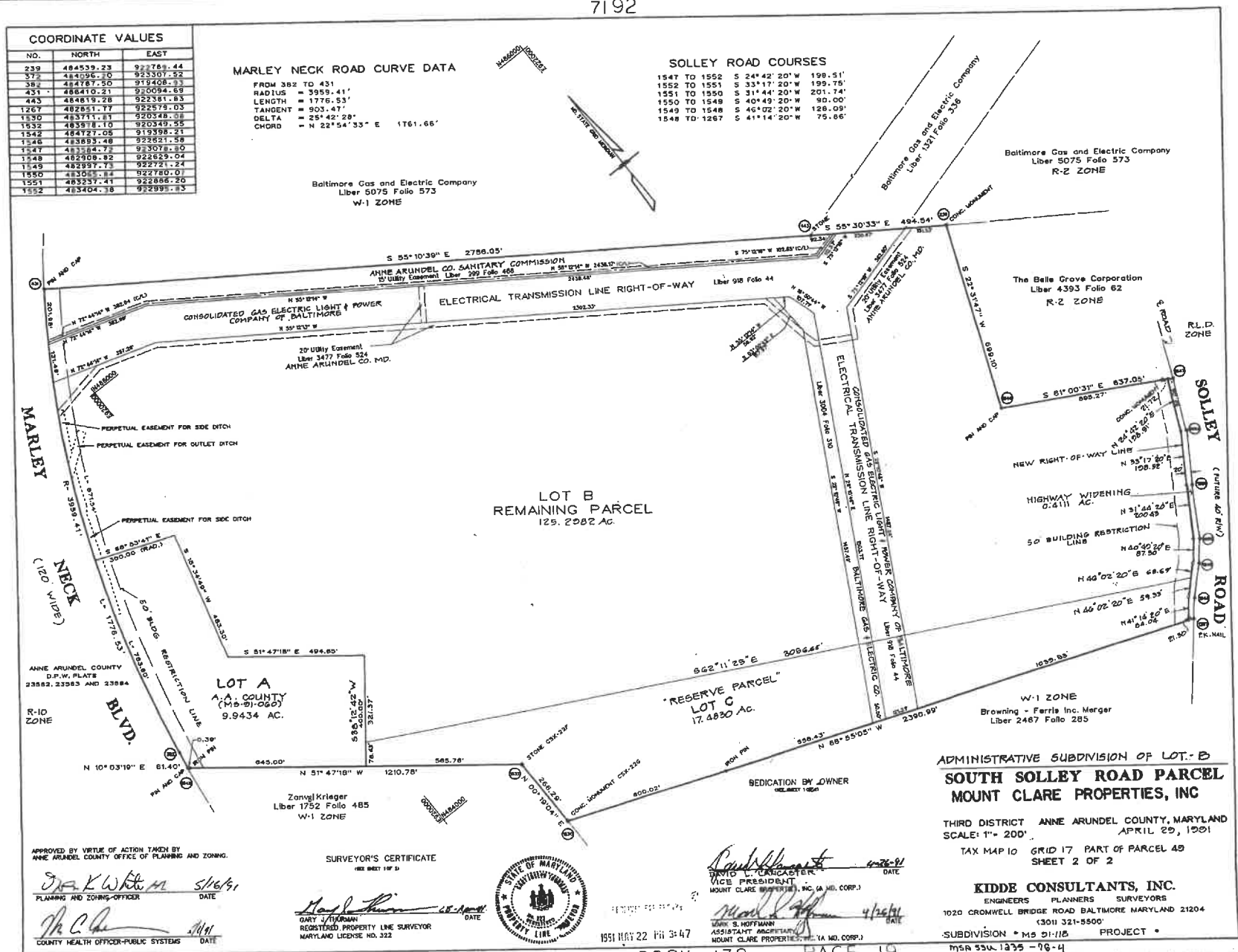
COORDINATE VALUES		
NO.	NORTH	EAST
239	484539.23	922781.44
372	484596.20	922307.52
382	484787.50	919408.33
431	486410.21	920094.69
443	484619.28	922381.83
1267	482851.77	922578.03
1530	483711.31	920348.08
1532	483811.10	920349.55
1542	484727.05	919398.21
1546	483693.48	922621.58
1547	483556.72	923078.30
1548	482908.82	922629.04
1549	482997.73	922721.24
1550	483051.44	922780.07
1551	483257.41	922886.20
1552	483404.38	922995.83

## MARLEY NECK ROAD CURVE DATA

FROM 382 TO 431  
 RADIUS = 3959.41'  
 LENGTH = 1776.53'  
 TANGENT = 903.47'  
 DELTA = 25°42'28"  
 CHORD = N 22°54'33" E 1761.66'

## SOLLEY ROAD COURSES

1547 TO 1552 S 24°42'20" W 198.51'  
 1552 TO 1551 S 33°17'20" W 199.75'  
 1551 TO 1550 S 31°44'20" W 201.74'  
 1550 TO 1548 S 40°49'20" W 90.00'  
 1549 TO 1548 S 46°02'20" W 128.09'  
 1548 TO 1267 S 41°14'20" W 75.66'



APPROVED BY VIRTUE OF ACTION TAKEN BY  
 ANNE ARUNDEL COUNTY OFFICE OF PLANNING AND ZONING.

*John K. White* 5/16/91  
 PLANNING AND ZONING OFFICER DATE

*M. C. Ch...*  
 COUNTY HEALTH OFFICER-PUBLIC SYSTEMS DATE

SURVEYOR'S CERTIFICATE  
 (SEE SHEET 1 OF 2)

*Harry J. Hoffman* 10-10-91  
 GARY J. HOFFMAN  
 REGISTERED PROPERTY LINE SURVEYOR  
 MARYLAND LICENSE NO. 322

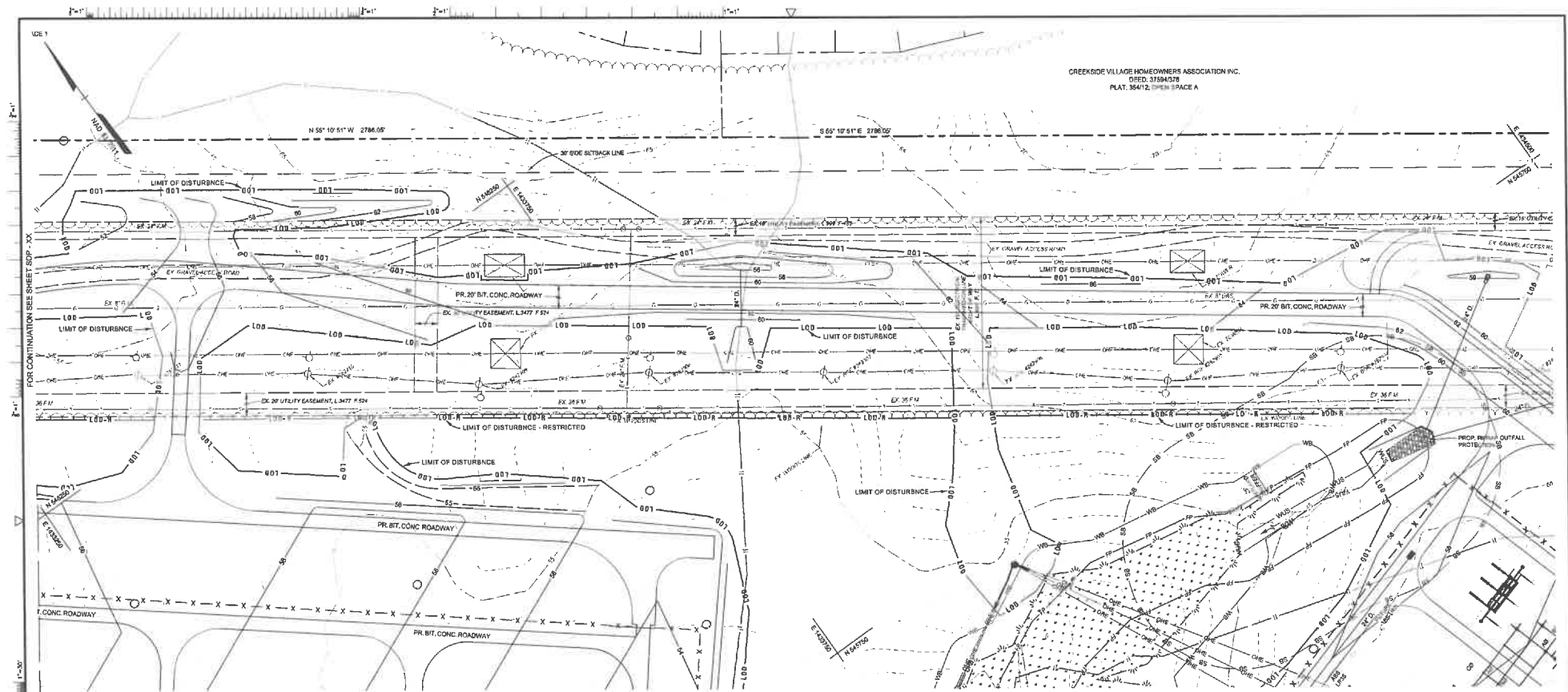


1991 MAY 22 PM 3:47

BOOK 138

PAGE 19





## PLAN

SCALE: 1"=40'



**DATA SOURCES:**

TOPOGRAPHIC INFORMATION SHOWN ON THIS PLAN IS FROM A FIELD-RUN SURVEY PERFORMED BY CENTURY ENGINEERING, A KLEINFELDER COMPANY, PERFORMED ON JUNE 30, 2024, SUPPLEMENTED WITH INFORMATION FROM PUBLIC DRAWINGS AND THE ANNE ARUNDEL COUNTY GIS RESOURCE ON THE WEB, MARYLAND COORDINATE SYSTEM, NAD83 (2011)


## PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

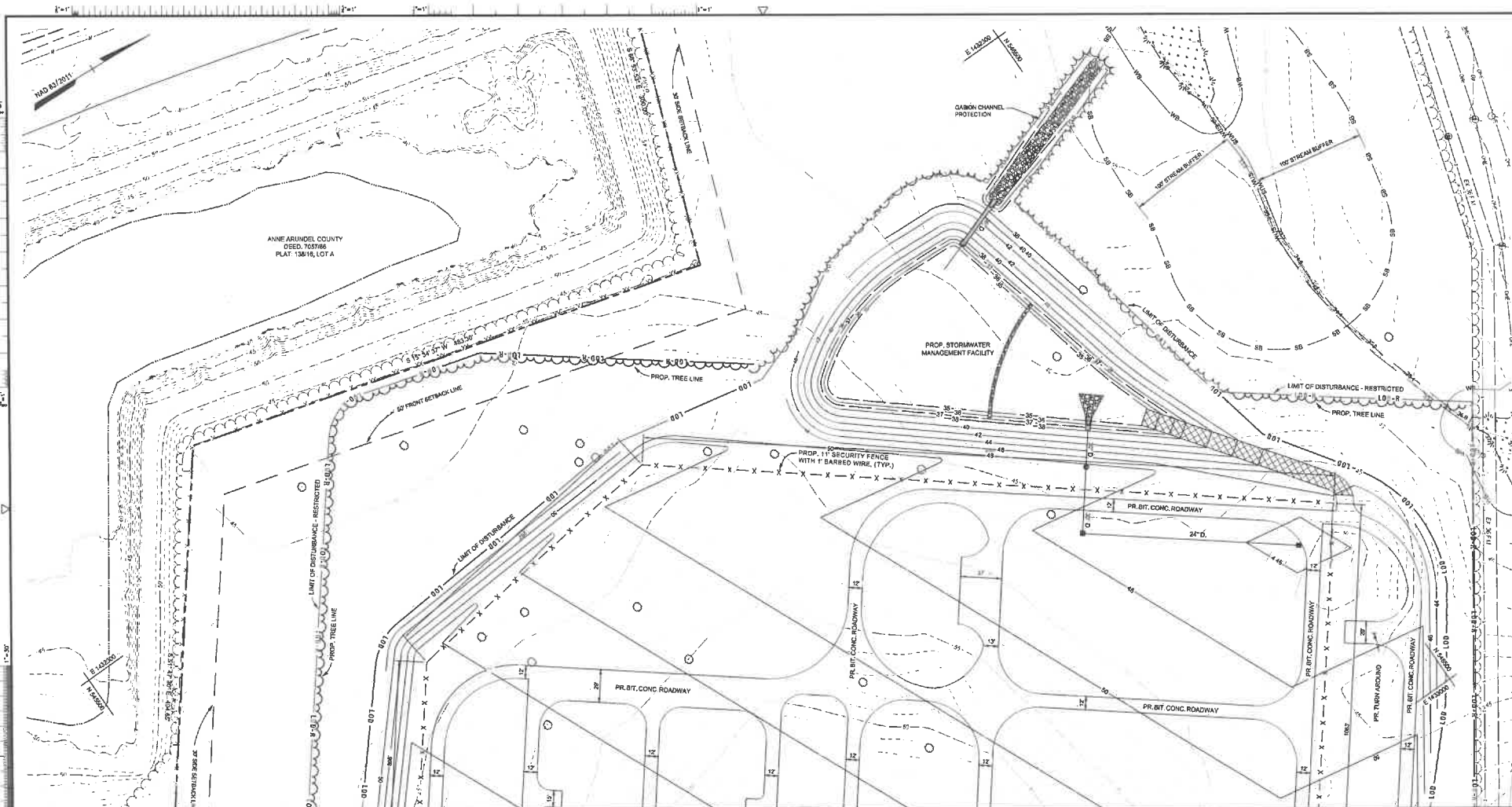
LICENSE NO.: 24814      EXPIRATION DATE: 2-28-26



10710 Gilroy Road  
Hunt Valley, Maryland 21156  
Phone: 442.589.2400  
Project No. 7500196-008

90% SUBMITTAL Date: June 9, 2025				UPDATE YOUR PRINT TO REFLECT 'AS BUILT' STATE & RETURN A COPY TO THE APPLICABLE DESIGN UNIT				
REV	DATE	ACCOUNT NO.	DESCRIPTION	APPROVED	AUTOCAD	SITE DEVELOPMENT PLAN GRADING  BALTIMORE GAS & ELECTRIC COMPANY LOT 9 - SOUTH HOLLEY ROAD GLEN BURNIE, ARMDAR, CALVERT COUNTY, MD 21060 TAX MAP: 10 PARCEL 351 115KV SUBSTATION  MARLEY NECK - SOLLEY ELECTRIC SUBSTATION ENGINEERING	SCALE 1" = 40'  CWS NO. SDP-XX	REV B
				PREP	ENGINEERING			
				REV'D	CIVIL			
				APVD	ELEC			
					PROJ. LING			
					PROJ. MGR			
					PRIN. ENG.			
					SUPV. ENG.			
					DESIGN GROUP			
					DESIGNED BY: R.O.B.			
					DRAWN BY: M.S.S.			
					CHECKED BY: R.O.B.			
					APPROVED BY:			
					DATE:			

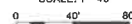




FOR CONTINUATION - SEE DRAWING 4

## PLAN

SCALE: 1"=40'




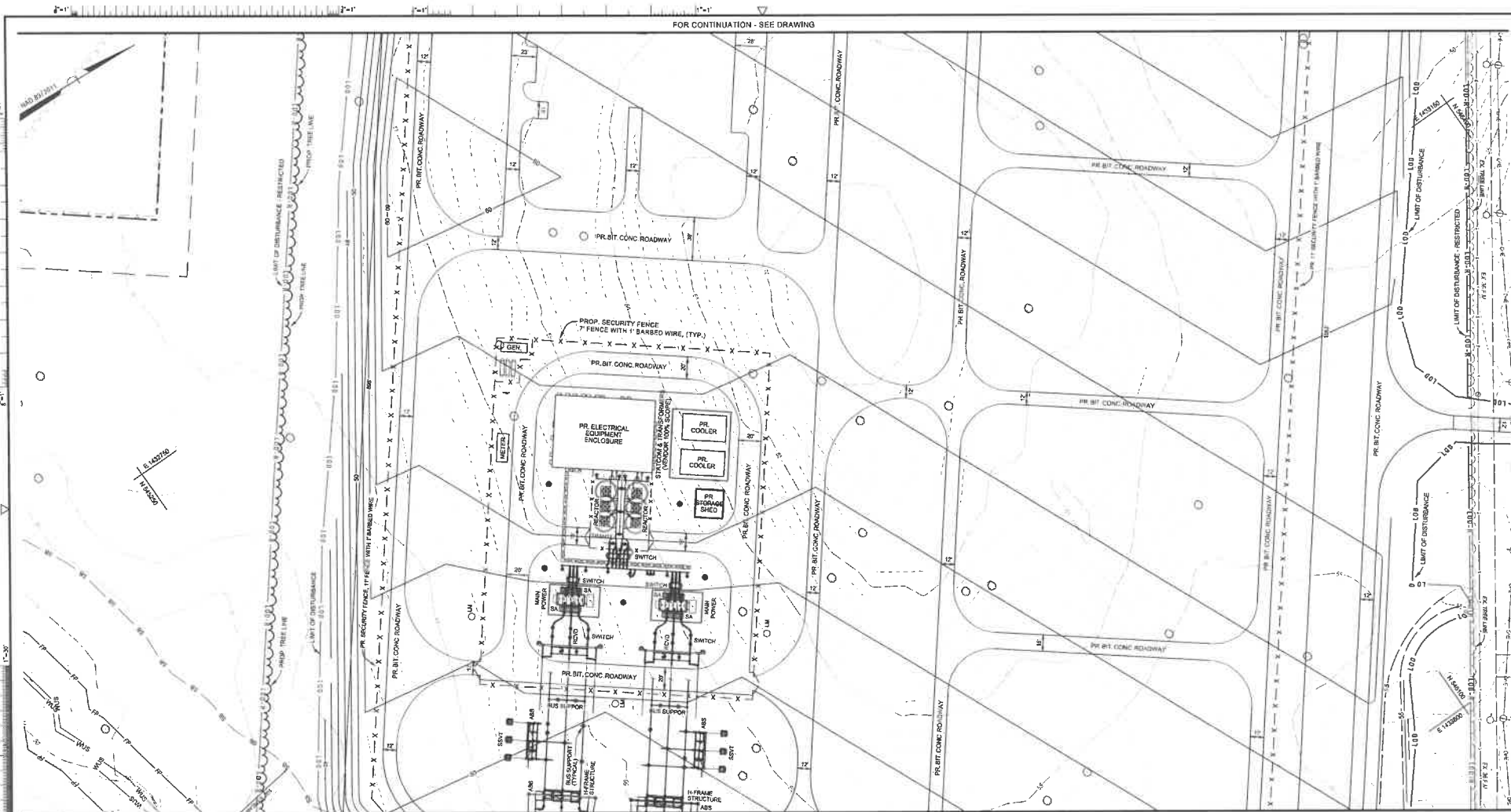
## PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE  
PREPARED OR APPROVED BY ME, AND THAT I AM A  
DULY LICENSED PROFESSIONAL ENGINEER UNDER  
THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO.: 24814      EXPIRATION DATE: 2-28-26



<div>90% SUBMITTAL</div> <div>Date: June 9, 2025</div>				<div>UPDATE YOUR PRINT TO REFLECT 'AS BUILT' STATE &amp; RETURN A COPY TO THE APPLICABLE DESIGN UNIT</div>			
REV	DATE	ACCOUNT NO.	DESCRIPTION	APPROVED	AUTOCAD	<div>SITE DEVELOPMENT PLAN GRADING</div> <div>BALTIMORE GAS &amp; ELECTRIC COMPANY</div> <div>LOT 9 - SOUTH HOLLEY ROAD</div> <div>CLEON BURNETT, ANNE ARUNDEL COUNTY, MD 21068</div> <div>TAX MAP 10 - PARCEL 337</div> <div>115KV SUBSTATION</div>	
				PREP	ENGINEERING		
				REVD	CIVIL ELECTRICAL		
				APVD	ELEC.		
					PROJ. ENG. _____ PROJ. MGR. _____ PRIN. ENG. _____ SUPV. ENG. _____		
<div>DESIGN GROUP</div> <div>ENGINEER <u>R.S.M.</u></div> <div>DRAFTER <u>M.S.S.</u></div> <div>CHECKED <u>R.S.S.</u></div> <div>APPROVED _____</div> <div>DATE _____</div>						<div>MARLEY NECK SUBSTATION</div> <div>ELECTRIC SUBSTATION ENGINEERING</div>	
<div> <small>BRUCE GRAYSON ASSOCIATES, INC.</small></div>						<div>SCALE: 1"=40'</div> <div>DWG. _____</div> <div>SDP-XX</div>	



FOR CONTINUATION - SEE DRAWING

FOR CONTINUATION - SEE DRAWING

# PLAN

SCALE: 1"=40'  
0 40' 80'



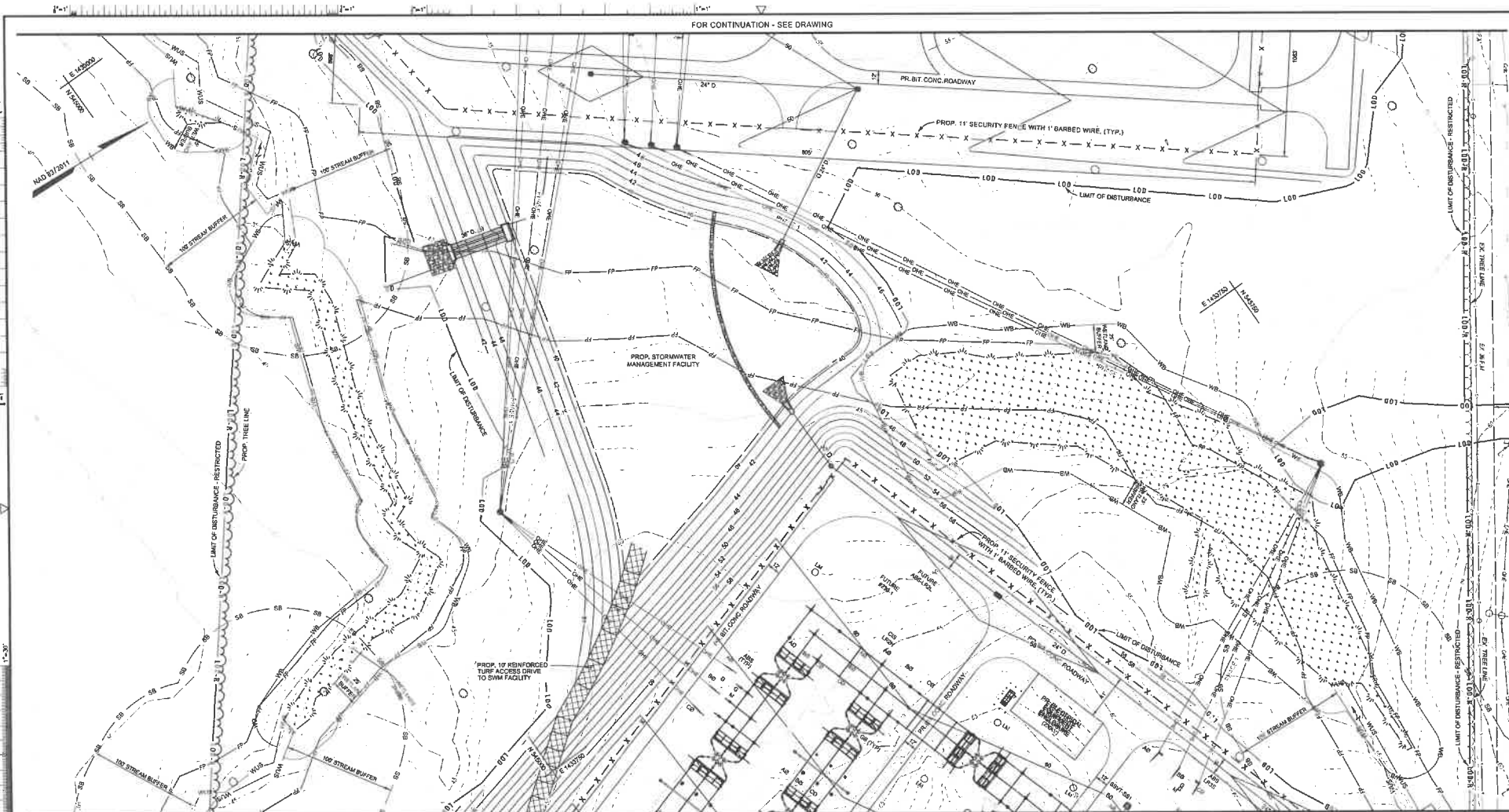
**PROFESSIONAL CERTIFICATION**  
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO.: 24814 EXPIRATION DATE: 2-28-26



90% SUBMITTAL Date: June 9, 2025				UPDATE YOUR PRINT TO REFLECT 'AS BUILT' STATE & RETURN A COPY TO THE APPLICABLE DESIGN UNIT			
REV	DATE	ACCOUNT NO.	DESCRIPTION	APPROVED	AUTOCAD	<b>SITE DEVELOPMENT PLAN GRADING</b>  <b>BALTIMORE GAS &amp; ELECTRIC COMPANY</b> LOT 8 - SOUTH BOLLEY ROAD GLEN BURNIE, ANNE ARUNDEL COUNTY, MD 21060 TAX MAP 17 PARCEL 397 115KV SUBSTATION	
				PREP	ENGINEERING		
				REVD	CLIENT		
				APVD	DESIGN		
						<b>MARLEY NECK SUBSTATION</b>  <b>ELECTRIC SUBSTATION ENGINEERING</b>	
						<b>DESIGN GROUP</b> DESIGNED: R.G.B. DRAWN: J.A.S. CHECKED: R.G.B. APPROVED: _____ DATE: _____	
							SCALE: 1"=40' 0 40' 80' SDP-XX

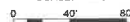
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FOR CONTINUATION - SEE DRAWING

# PLAN

SCALE: 1"=40'



**PROFESSIONAL CERTIFICATION**  
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 24814 EXPIRATION DATE: 2-28-25

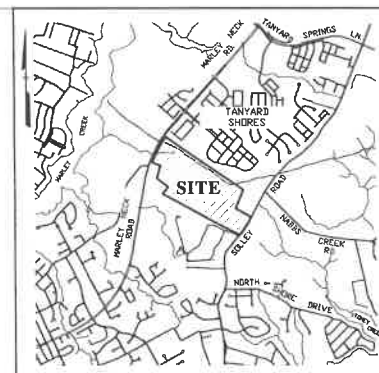
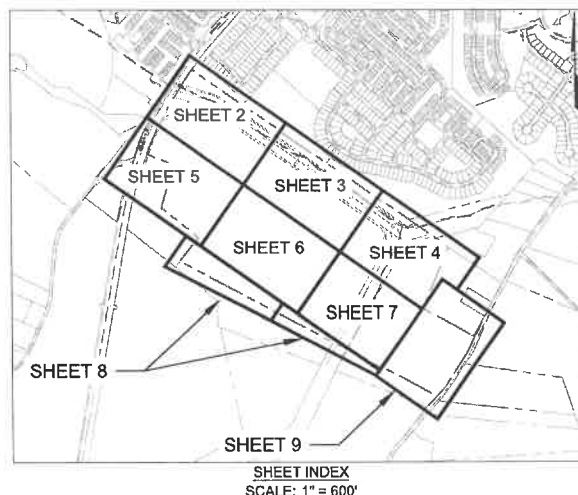


90% SUBMITTAL Date: June 9, 2025				UPDATE YOUR PRINT TO REFLECT 'AS BUILT' STATE & RETURN A COPY TO THE APPLICABLE DESIGN UNIT			
REV	DATE	ACCOUNT NO.	DESCRIPTION	APPROVED	AUTOCAD	<b>SITE DEVELOPMENT PLAN GRADING</b>  BALTIMORE GAS & ELECTRIC COMPANY LOT B, 30417 ROLLEY ROAD GLEN BURNIE, ANNE ARUNDEL COUNTY, MD 21060 TAX MAP 10 PARCEL 587 115KV SUBSTATION  <b>MARLEY NECK/SOLLEY SUBSTATION</b>  ELECTRIC SUBSTATION ENGINEERING  bge SCALE: 1"=40' SHEET NO. SDP-XX	
				PREP	ENGINEERING		
				REV'D	BY		
				AP'D	DATE		



Tree Number	Species	Scientific Name	DHt (feet)	Condition
1	White Oak	Quercus alba	86.5	Good
2	White Oak	Quercus alba	36	Good
3	Red Maple	Acer rubrum	46.0	Good
4	Red Maple	Acer rubrum	30	Good
5	Red Maple	Acer rubrum	37.5	Good
6	Red Maple	Acer rubrum	21.5	Good
7	Red Maple	Acer rubrum	34	Good
8	Swamp Oak	Quercus phellos	27.0	Good
9	Northern Red Oak	Quercus rubra	33.5	Good
10	Willow Oak	Quercus phellos	40.5	Good
11	Red Maple	Acer rubrum	31.5	Good
12	Red Maple	Acer rubrum	35.0	Good
13	Red Maple	Acer rubrum	42	Good
14	Red Maple	Acer rubrum	36	Good
15	Red Maple	Acer rubrum	49	Good
16	Sweetgum	Liquidambar styraciflua	33.0	Good
17	Red Maple	Acer rubrum	32	Good
18	Swamp Oak	Liquidambar styraciflua	30	Good
19	White Oak	Quercus alba	30	Good
20	White Oak	Quercus alba	31	Good
21	White Oak	Quercus alba	32	Good
22	Northern Red Oak	Quercus rubra	38.5	Good
23	Red Maple	Acer rubrum	38.5	Good
24	Sweetgum	Liquidambar styraciflua	31	Good
25	Unknown Oak	Quercus sp.	31.5	Good
26	Willow Oak	Quercus phellos	34.5	Good
27	Red Maple	Acer rubrum	42.5	Good
28	Sweetgum	Liquidambar styraciflua	31.5	Good
29	White Oak	Quercus alba	31	Good
30	White Oak	Quercus alba	32.5	Good
31	Willow Oak	Quercus phellos	30	Good
32	Willow Oak	Quercus phellos	30	Good
33	Willow Oak	Quercus phellos	37.5	Good
34	Swamp Oak	Quercus phellos	32	Good
35	Willow Oak	Quercus phellos	30	Good
36	Northern Red Oak	Quercus rubra	32.5	Good
37	Southern Red Oak	Quercus falcata	37	Good
38	Southern Red Oak	Quercus falcata	38	Good
39	Willow Oak	Quercus phellos	31	Good
40	Unknown Oak	Quercus sp.	33.5	Good
41	Southern Red Oak	Quercus falcata	31	Good
42	Southern Red Oak	Quercus falcata	33.5	Good
43	Willow Oak	Quercus phellos	36	Good
44	Willow Oak	Quercus phellos	37	Good
45	Willow Oak	Quercus phellos	36	Good
46	Willow Oak	Quercus phellos	33	Good
47	Southern Red Oak	Quercus falcata	36.5	Good
48	Southern Red Oak	Quercus falcata	32	Good
49	Southern Red Oak	Quercus falcata	40.5	Good
50	Willow Oak	Quercus phellos	32	Good
51	Southern Red Oak	Quercus falcata	34	Good
52	Southern Red Oak	Quercus falcata	31	Good
53	Southern Red Oak	Quercus falcata	34.5	Good
54	Willow Oak	Quercus phellos	35	Good
55	Southern Red Oak	Quercus falcata	36.5	Good
56	Southern Red Oak	Quercus falcata	37	Good
57	Red Maple	Acer rubrum	40.5	Good
58	Southern Red Oak	Quercus falcata	33.5	Good
59	Red Maple	Acer rubrum	33.5	Good
60	Red Maple	Acer rubrum	36.5	Good
61	Willow Oak	Quercus phellos	32	Good
62	Southern Red Oak	Quercus falcata	31	Good
63	Southern Red Oak	Quercus falcata	30.5	Good
64	Willow Oak	Quercus phellos	33.5	Good
65	Willow Oak	Quercus phellos	37.5	Good
66	Southern Red Oak	Quercus falcata	46	Good
67	Willow Oak	Quercus phellos	38	Good
68	Southern Red Oak	Quercus falcata	42	Good
69	White Oak	Quercus alba	38	Good
70	White Oak	Quercus alba	36.5	Good
71	White Oak	Quercus alba	37.5	Good
72	White Oak	Quercus alba	36	Good
73	White Oak	Quercus alba	30	Good
74	Southern Red Oak	Quercus falcata	38.5	Good
75	Red Maple	Acer rubrum	35	Good
76	Willow Oak	Quercus phellos	39.5	Good
77	Southern Red Oak	Quercus falcata	31.5	Good
78	Red Maple	Acer rubrum	43.5	Good
79	Willow Oak	Quercus phellos	38	Good
80	Willow Oak	Quercus phellos	36.5	Good
81	Southern Red Oak	Quercus falcata	32	Good
82	Southern Red Oak	Quercus falcata	33	Good
83	Willow Oak	Quercus phellos	36.5	Good
84	Willow Oak	Quercus phellos	38	Good
85	Willow Oak	Quercus phellos	31.5	Good
86	Willow Oak	Quercus phellos	36	Good
87	Southern Red Oak	Quercus falcata	36.5	Good
88	Willow Oak	Quercus phellos	37	Good
89	Willow Oak	Quercus phellos	30.5	Good
90	Willow Oak	Quercus phellos	39.5	Good
91	Southern Red Oak	Quercus falcata	23.5	Good
92	Willow Oak	Quercus phellos	33	Good
93	Southern Red Oak	Quercus falcata	31	Good
94	Willow Oak	Quercus phellos	40	Good
95	Tulip Poplar	Liriodendron tulipifera	46	

ANNE ARUNDEL COUNTY TAX MAP 10, BLOCK N/A, PARCEL 397  
3RD TAX DISTRICT, ANNE ARUNDEL COUNTY, MARYLAND  
ZONED: W1 (INDUSTRIAL PARK) ZIP CODE: 21060



### VICINITY MAP

SCALE: 1"=2000'

#### BACKGROUND INFORMATION


- BACKGROUND INFORMATION: THE STUDY AREA AND SURROUNDING AREAS WERE SURVEYED BY THE ENVIRONMENTAL ENGINEERING, INC., A REGISTERED PROFESSIONAL ENGINEERING FIRM, IN THE WINTER OF 2020. ON SITE FEATURES SHOWN ON THE MAP WERE DERIVED FROM AERIAL PHOTOGRAPHY AND GIS DATA.
- COORDINATES AND ANY ELEVATIONS ARE REFERENCED TO THE NAD83 DATUM AND HORIZONTAL SYSTEM. VERTICAL DATA IS BASED ON THE NAVD83 DATUM AND HORIZONTAL SYSTEM.
1. COORDINATES AND ANY ELEVATIONS ARE REFERENCED TO THE NAD83 DATUM AND HORIZONTAL SYSTEM. VERTICAL DATA IS BASED ON THE NAVD83 DATUM AND HORIZONTAL SYSTEM.
2. CREDIT: PROPERTY OWNER INFORMATION:
- BALTIMORE GAS AND ELECTRIC COMPANY  
1009 LEADERSHIP STREET  
BALTIMORE, MARYLAND 21230
4. PARCEL INFORMATION: TAX MAP 130, PARCELS 131, 132 AND 133
- NATURAL RESOURCES INFORMATION
1. A VISUAL DELINEATION AND FISH SPECIES TALL SHEET DELINEATION WAS PERFORMED BY ACCORDANCE WITH IN JANUARY AND FEBRUARY 2020.
2. ACCORDANCE WITH ARI 0101 IDENTIFIED FISH SPECIES TRAP DURING 2020.
3. NO TESTED THAT ARE 75% OF THE STATE CHARTERED AS LOCATIONS WITHIN THE STUDY AREA.
- WATERSHED INFORMATION:
1. BALTIMORE HARBOR WATERSHED (0101) (C) 13-01-01
- STREAM USE DESIGNATION: LITTLE TO MARYLAND CREEK CLASSIFIED AS "USE I"
- CRITICAL PERIOD: MARCH 1 THROUGH JUNE 15, 15% LOW FLOW DURING "USE I"
- THE STATE DRAFT TOWARDS AN ANNUAL TRIBUTARY OF MARKET CREEK
- PER FEDERAL MAP NO. 3402000203, NOT A MAP REGULATED FLOODPLAIN ARE LOCATED DURING
- ON FEBRUARY 12, 2020, THE MARYLAND DEPARTMENT OF NATURAL RESOURCES WILDLIFE AND HERPETOLOGY DETERMINED THAT THE STUDY AREA IS NOT A WATERSHED OF MARKET CREEK. THEREFORE, THERE ARE NO ANNUAL SPECIES OF MARKET CREEK. THERE ARE NO RECORDS FOR FISH SPECIES DOCUMENTED IN CLOSE PROXIMITY TO THE SITE. THESE FINDINGS HAVE BEEN USED TO DETERMINE THE SPECIES OF FISH SPECIES OF MARKET CREEK.
1. ANNUAL WATERSHED (0101) (C) 13-01-01
2. ANNUAL WATERSHED (0101) (C) 13-01-01
3. ANNUAL WATERSHED (0101) (C) 13-01-01
4. ANNUAL WATERSHED (0101) (C) 13-01-01
5. ANNUAL WATERSHED (0101) (C) 13-01-01
6. ANNUAL WATERSHED (0101) (C) 13-01-01
7. ANNUAL WATERSHED (0101) (C) 13-01-01
8. ANNUAL WATERSHED (0101) (C) 13-01-01
9. ANNUAL WATERSHED (0101) (C) 13-01-01
10. ANNUAL WATERSHED (0101) (C) 13-01-01
11. ANNUAL WATERSHED (0101) (C) 13-01-01
12. ANNUAL WATERSHED (0101) (C) 13-01-01
13. ANNUAL WATERSHED (0101) (C) 13-01-01
14. ANNUAL WATERSHED (0101) (C) 13-01-01
15. ANNUAL WATERSHED (0101) (C) 13-01-01
16. ANNUAL WATERSHED (0101) (C) 13-01-01
17. ANNUAL WATERSHED (0101) (C) 13-01-01
18. ANNUAL WATERSHED (0101) (C) 13-01-01
19. ANNUAL WATERSHED (0101) (C) 13-01-01
20. ANNUAL WATERSHED (0101) (C) 13-01-01
21. ANNUAL WATERSHED (0101) (C) 13-01-01
22. ANNUAL WATERSHED (0101) (C) 13-01-01
23. ANNUAL WATERSHED (0101) (C) 13-01-01
24. ANNUAL WATERSHED (0101) (C) 13-01-01
25. ANNUAL WATERSHED (0101) (C) 13-01-01
26. ANNUAL WATERSHED (0101) (C) 13-01-01
27. ANNUAL WATERSHED (0101) (C) 13-01-01
28. ANNUAL WATERSHED (0101) (C) 13-01-01
29. ANNUAL WATERSHED (0101) (C) 13-01-01
30. ANNUAL WATERSHED (0101) (C) 13-01-01
31. ANNUAL WATERSHED (0101) (C) 13-01-01
32. ANNUAL WATERSHED (0101) (C) 13-01-01
33. ANNUAL WATERSHED (0101) (C) 13-01-01
34. ANNUAL WATERSHED (0101) (C) 13-01-01
35. ANNUAL WATERSHED (0101) (C) 13-01-01
36. ANNUAL WATERSHED (0101) (C) 13-01-01
37. ANNUAL WATERSHED (0101) (C) 13-01-01
38. ANNUAL WATERSHED (0101) (C) 13-01-01
39. ANNUAL WATERSHED (0101) (C) 13-01-01
40. ANNUAL WATERSHED (0101) (C) 13-01-01
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47. ANNUAL WATERSHED (0101) (C) 13-01-01
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57. ANNUAL WATERSHED (0101) (C) 13-01-01
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77. ANNUAL WATERSHED (0101) (C) 13-01-01
78. ANNUAL WATERSHED (0101) (C) 13-01-01
79. ANNUAL WATERSHED (0101) (C) 13-01-01
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83. ANNUAL WATERSHED (0101) (C) 13-01-01
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86. ANNUAL WATERSHED (0101) (C) 13-01-01
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89. ANNUAL WATERSHED (0101) (C) 13-01-01
90. ANNUAL WATERSHED (0101) (C) 13-01-01
91. ANNUAL WATERSHED (0101) (C) 13-01-01
92. ANNUAL WATERSHED (0101) (C) 13-01-01
93. ANNUAL WATERSHED (0101) (C) 13-01-01
94. ANNUAL WATERSHED (0101) (C) 13-01-01
95. ANNUAL WATERSHED (0101) (C) 13-01-01
96. ANNUAL WATERSHED (0101) (C) 13-01-01
97. ANNUAL WATERSHED (0101) (C) 13-01-01
98. ANNUAL WATERSHED (0101) (C) 13-01-01
99. ANNUAL WATERSHED (0101) (C) 13-01-01
100. ANNUAL WATERSHED (0101) (C) 13-01-01
101. ANNUAL WATERSHED (0101) (C) 13-01-01

TYPE	NAME	COWARDEN CLASSIFICATION	APPROXIMATE AREA (ON-SITE) (AC)	APPROXIMATE LENGTH (ON-SITE) (FT)
STREAM	RA-1	RA	0.05	249
STREAM	RA-2	RA	0.12	678
STREAM	RA-3	RA	0.04	150
STREAM	RA-4	RA	0.03	156
STREAM	RE-1	RB	0.02	238
NONTIDAL WETLAND	PEM-1	PEM	1.45	-
NONTIDAL WETLAND	PEM-2	PEM	0.34	-
NONTIDAL WETLAND	PEM-3	PEM	5.53	-
NONTIDAL WETLAND	PEM-4	PEM	0.04	-
NONTIDAL WETLAND	PFO-1	PFO	3.19	-
NONTIDAL WETLAND	PFO-2	PFO	0.09	-
NONTIDAL WETLAND	PFO-3	PFO	0.96	-
NONTIDAL WETLAND	PFO-4	PFO	0.01	-
NONTIDAL WETLAND	PFO-5	PFO	0.38	-
NONTIDAL WETLAND	PFO-6	PFO	0.02	-
NONTIDAL WETLAND	PFO-7	PFO	0.12	-
NONTIDAL WETLAND	PFO-8	PFO	0.17	-

Stand	Dominant Species	Priority Retention (Y/N)	Area within Study Area (Ac)
A	Virginia Pine	Y	19.00
B	Mixed Oak	Y	20.29
C	White Oak - Northern Red Oak	Y	4.27
D	Sweetgum	Y	3.82
E	Southern Red Oak - Virginia Pine	Y	34.46
F	Mixed Oak	Y	26.46

Major Unit/Map	Symbol	Invasive Component	% Invasive Component	Landform	QZ Value	Hydrology	Gravel
Ewehob and Galesfoot soils, 5 to 10 percent slopes	EVC	N/A	N/A	Interfluves	49	D	
Christiana-Sassafras complex, 2 to 5 percent slopes	CoR	N/A	N/A	Interfluves	49	D	
Christiana-Sassafras complex, 5 to 10 percent slopes	CoR	N/A	N/A	Interfluves	49	D	
Pallapot-Ewehob-Fort Mott complex, 0 to 5 percent slopes	FiB	N/A	N/A	Interfluves	02	A	
Pracogee-Fort Mott complex, 0 to 5 percent slopes	FiB	N/A	N/A	Interfluves	02	A	
Russett-Christiana-Hambrook complex, 0 to 5 percent slopes	RH	N/A	N/A	Interfluves	28	C	
Russett-Christiana-Hambrook complex, 5 to 10 percent slopes	RHC	N/A	N/A	Interfluves	28	C	
Russett-Christiana-Hambrook complex, 10 to 15 percent slopes	RHD	N/A	N/A	Interfluves	28	C	
Sassafras and Ocean soils, 15 to 25 percent slopes	SM	N/A	N/A	Interfluves	15	C	
Udohethen, 15 to 25 percent slopes	UD	N/A	N/A	Interfluves	37	C	
Udohethen, 25 to 35 percent slopes	UDH	N/A	N/A	Phosphatic	37	C	

SHEET 1 OF 1

REV		DATE	ACCOUNT NO.	DESCRIPTION	APPROVED	AUTOGAD	<div><div>PROJECT TITLE</div><div>FOREST STAND DELINEATION PLAN</div><div>ZONING W1 TAX MAP 10 - PARCEL 387 ADRIEN ARUNDEL COUNTY, MARYLAND</div><div>SOLLEY ROAD SUBSTATION</div><div>ELECTRIC SUBSTATION ENGINEERING</div><div><div><div><div></div><div>SCALE AS SHOWN</div></div><div><div>DWG. NO.</div><div>FSD-01</div></div></div><div>FILE NO.</div></div></div>
					PREP	ENGINEERING	
					REV'D	CIVIL	
					APVD	SUB. ENG.	
						PROJ. ENG.	
						PROJ. MGR.	
						PRAT. ENG.	
						ELCT. ENG.	
						DESIGN GROUP	
						DESIGNED	
						DRAWN	
						CHECKED	
						APPROVED	
						DATE	

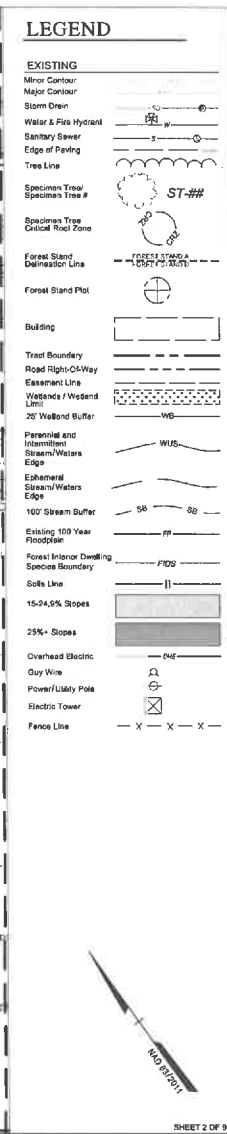
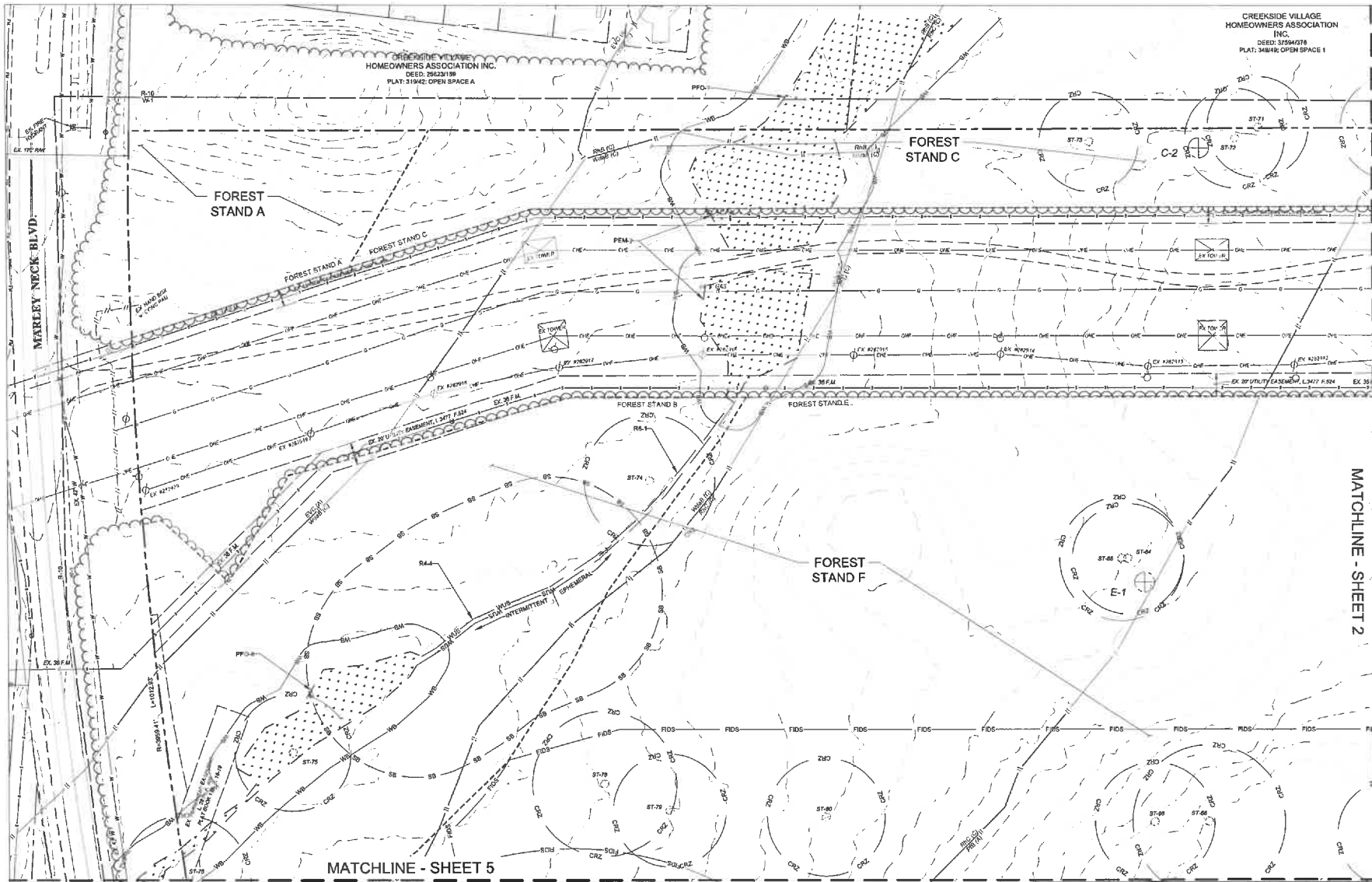
MARYLAND DEPARTMENT OF NATURAL RESOURCES, QUALIFIED PROFESSIONAL  
KLEINFELDER 443-589-2400  
DANIEL YEAGER

Dmitry Gerasimov

3/6/2025







MATCHLINE - SHEET 5

MATCHLINE - SHEET 2

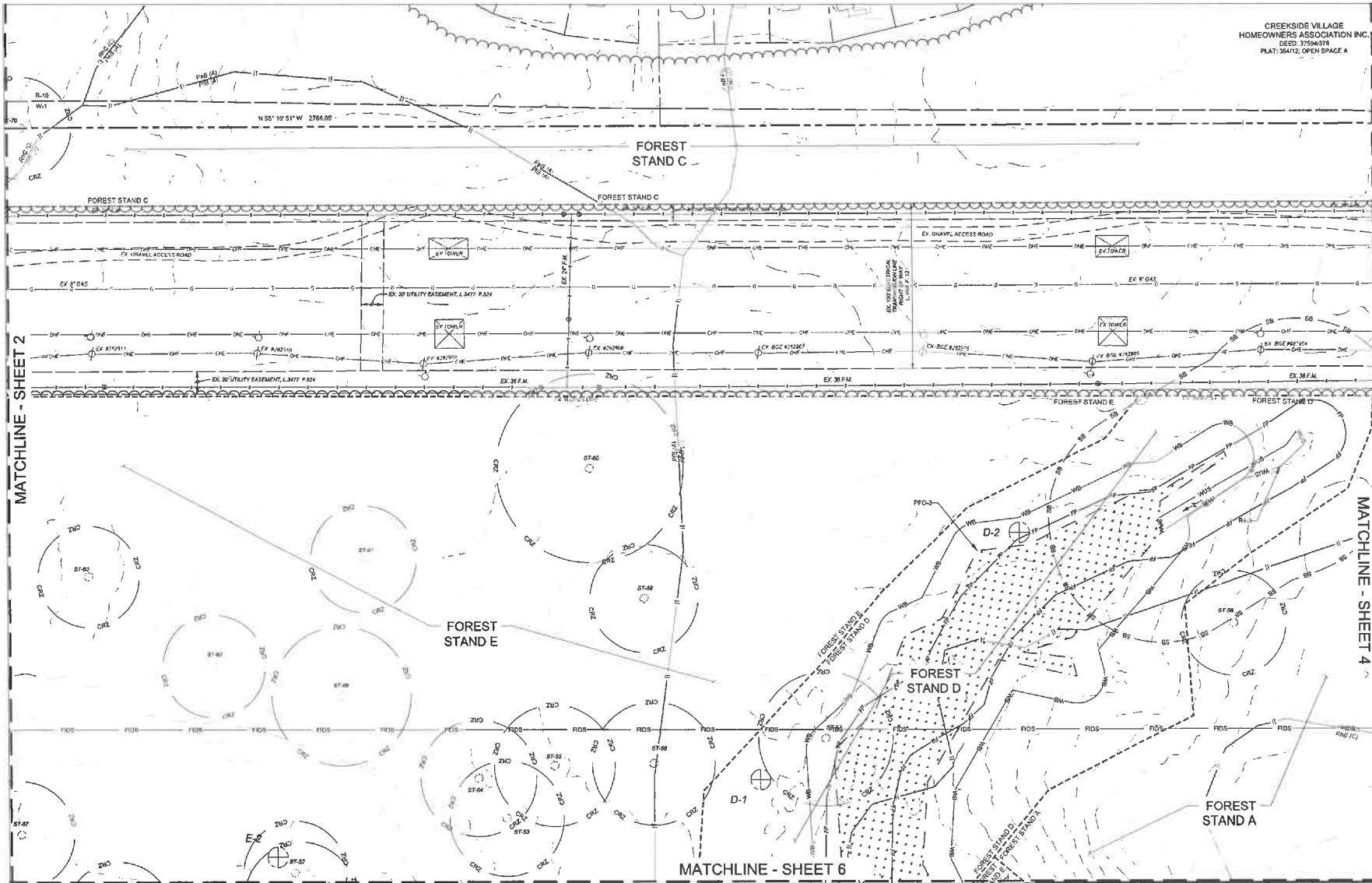
SHEET 2 OF 9

MARYLAND DEPARTMENT OF NATURAL RESOURCES, QUALIFIED PROFESSIONAL  
KLEINFELDER  
DANIEL YEAGER  
3/6/2025  
DATE

**KLEINFELDER**  
Bright People. Right Solutions.  
19710 Gary Road  
Hanover, Maryland 21031  
Phone: 410.266.2400  
Project No. 2500706.0084

REV	DATE	ACCOUNT NO.	DESCRIPTION	APPROVED	AUTOCAD
PREP					ENGINEERING
REV'D					CIVIL
APP'D					ELECT
					PROJ. ENG.
					PROJ. MGR.
					PRIN. ENG.
					SUPV. ENG.
DESIGN GROUP					
DESIGNED					
DRAWN					
CHECKED					
APPROVED					
DATE					

**FOREST STAND DELINEATION PLAN**  
ZONING M1  
TAX MAP 19 - PARCEL 397  
ANNE ARUNDEL COUNTY, MARYLAND  
**SOLLEY ROAD SUBSTATION**  
ELECTRIC SUBSTATION ENGINEERING  
SCALE: 1" = 40'  
FSD-02



CREEKSIDE VILLAGE  
HOMEOWNERS ASSOCIATION INC.  
DEED 37564911  
PLAT 354112, OPEN SPACE A

# LEGEND

EXISTING	
Minor Contour	---
Major Contour	---
Storm Drain	---
Water & Fire Hydrant	---
Sanitary Sewer	---
Edge of Paving	---
Tree Line	---
Specimen Tree / Specimen Tree #	ST-##
Specimen Tree Critical Root Zone	---
Forest Stand Delineation Line	---
Forest Stand Plot	---
Building	---
Tract Boundary	---
Road Right-of-Way	---
Easement Line	---
Wetlands / Wetland Line	---
25' Wetland Buffer	WB
Personal and Intersectant Stream/Waters Edge	WLS
Ephemeral Stream/Waters Edge	SE
100' Stream Buffer	SB
Existing 100 Year Floodplain	FP
Forest Interior Dwelling Species Boundary	PDS
Sett Line	---
15-24.5% Slopes	---
20%+ Slopes	---
Overhead Electric	---
Gas Wire	---
Power/Utility Pole	---
Electric Tower	---
Fence Line	---

MATCHLINE - SHEET 4



SHEET 3 OF 8

FOREST  
STAND E

MARYLAND DEPARTMENT OF NATURAL RESOURCES, QUALIFIED PROFESSIONAL  
KLEINFELDER  
DANIEL YEAGER  
3/6/2025  
DATE

**KLEINFELDER**  
Bright People. Right Solutions.  
10710 Oliver Road  
Pine Valley, Maryland 21131  
Phone: 443.559.2000  
Project No. 2000764.008A

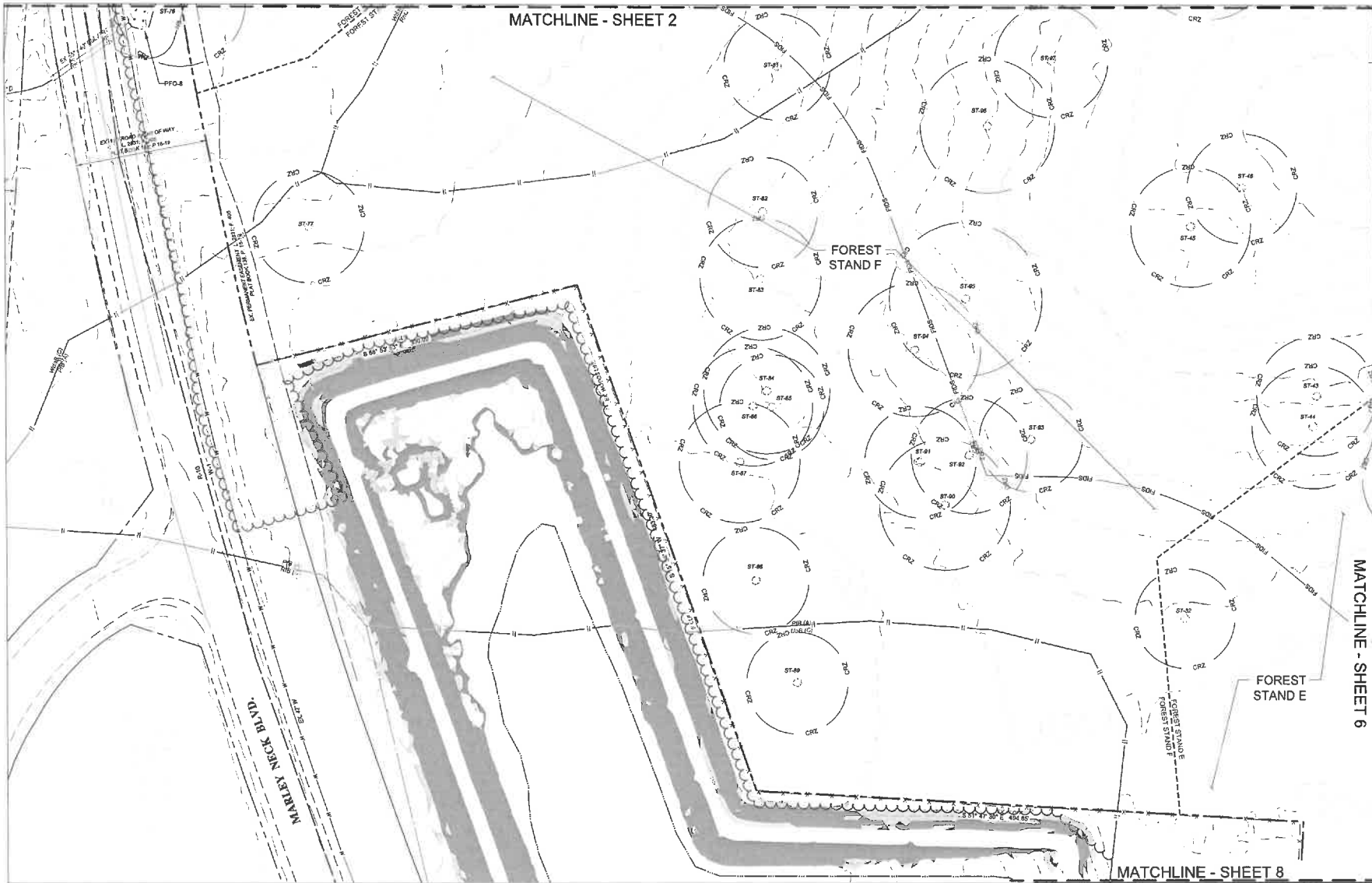
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				PREP	ENGINEERING
				REV	CPL
				APVD	ELEG
					PROJ ENG
					PROJ MGR
					PRPL ENG
					SUPV ENG
					DESIGN GROUP
					DESIGNED
					DRAWN
					CHECKED
					APPROVED
					DATE

## FOREST STAND DELINEATION PLAN

ZONING W1  
TAX MAP 10 - PARCEL 357  
ANNE ARUNDEL COUNTY, MARYLAND  
SOLLEY ROAD SUBSTATION  
ELECTRIC SUBSTATION ENGINEERING  
SCALE: 1" = 40'  
CWD NO. FSD-03







LEGEND	
<b>EXISTING</b>	
Minor Contour	
Major Contour	
Storm Drain	
Water & Fire Hydrant	
Sanitary Sewer	
Edge of Paving	
Tree Line	
Specimen Tree / Specimen Tree #	
Specimen Tree Critical Root Zone	
Forest Stand Delineation Line	
Forest Stand Plot	
Building	
Tract Boundary	
Road Right-of-Way	
Easement Line	
Wetlands / Wetland Limit	
25' Wetland Buffer	
Perennial and Intermittent Stream/Waters Edge	
Ephemeral Stream/Waters Edge	
100' Stream Buffer	
Existing 100 Year Floodplain	
Forest Interior Dwelling Species Boundary	
Soils Line	
15-24.9% Slopes	
25%+ Slopes	
Overhead Electric	
Gas Valve	
Power/Utility Pole	
Electric Tower	
Fence Line	

MATCHLINE - SHEET 6

MATCHLINE - SHEET 8

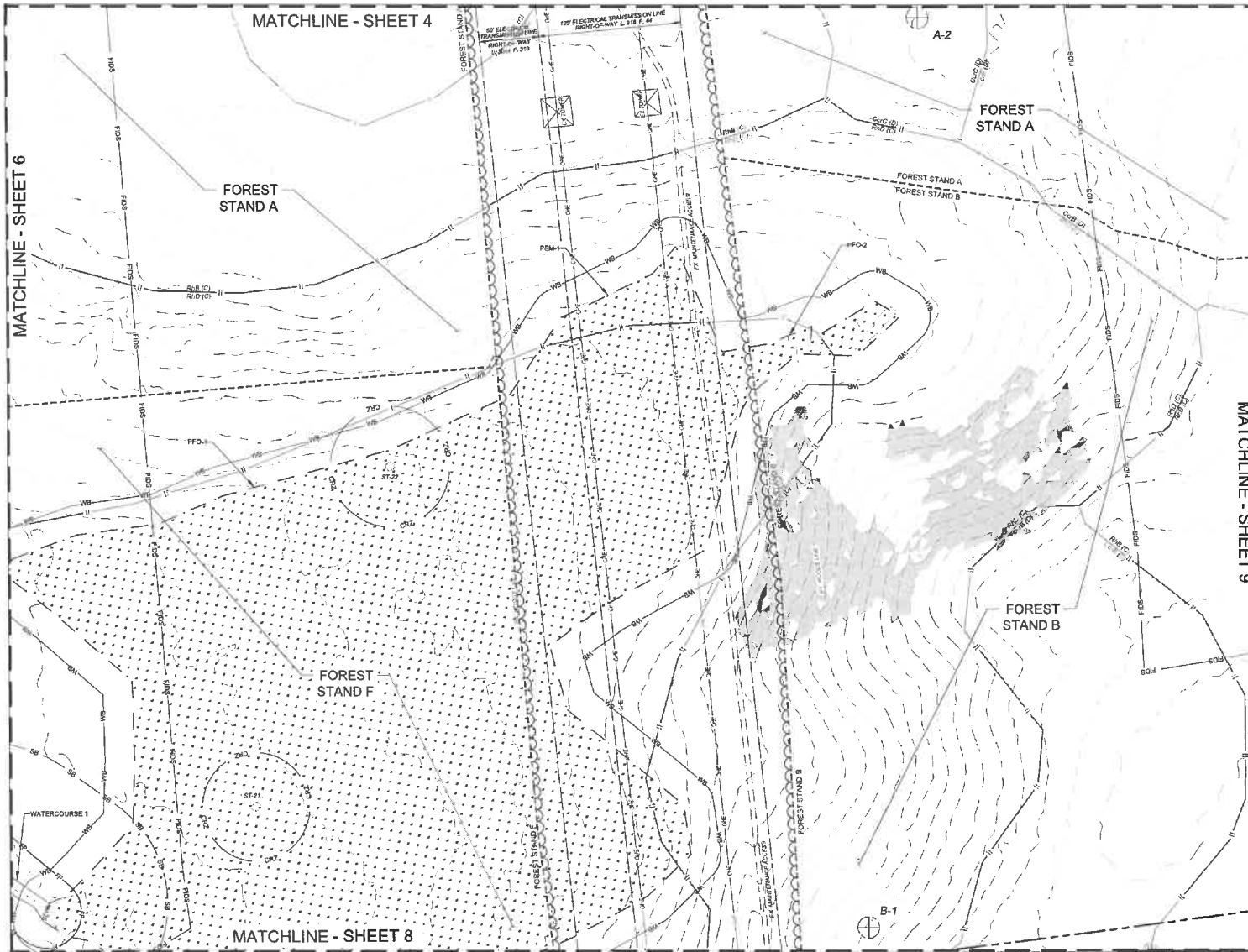
MARYLAND DEPARTMENT OF NATURAL RESOURCES, QUALIFIED PROFESSIONAL  
 KLEINFELDER  
 DANIEL YEAGER  
 443-589-2400  
 DATE 3/6/2025

**KLEINFELDER**  
 Right People. Right Solutions.  
 10710 Galaxy Road  
 Hanover, Maryland 21071  
 Phone: 410.588.2400  
 Project No. 2500705.006A

REV	DATE	ACCOUNT NO.	DESCRIPTION	APPROVED	AUTOCAD
				PREP	ENGINEERING
				REV'D	ELC
				AP'D	PROJ. ENG
					PROJ. MGR
					PROJ. ENG
					BUYER
DESIGN GROUP					
				DESIGNED	
				DRAWN	
				CHECKED	
				APPROVED	
				DATE	

**FOREST STAND DELINEATION PLAN**  
 ZONING W1  
 TAX MAP 13, PARCEL 397  
 ANNE ARUNDEL COUNTY, MARYLAND  
**SOLLEY ROAD SUBSTATION**  
 ELECTRIC SUBSTATION ENGINEERING  
 SCALE: 1" = 40'  
 DWS NO. FSD-05  
 REV.





# LEGEND

## EXISTING

- Minor Contour
- Major Contour
- Storm Drain
- Water & Fire Hydrant
- Sanitary Sewer
- Edge of Paving
- Tree Line
- Specimen Tree
- Specimen Tree #
- Specimen Tree Critical Root Zone
- Forest Stand Delineation Line
- Forest Stand Plot
- Building
- Tract Boundary
- Road Right-Of-Way
- Exclusion Line
- Wetlands / Wetland Limit
- 25' Wetland Buffer
- Perennial and Intermittent Stream/Waters Edge
- Ephemeral Stream/Waters Edge
- 100' Stream Buffer
- Existing 100 Year Floodline
- Forest Interior Dwelling Species Boundary
- Soils Line
- 15-24.5% Slopes
- 25%+ Slopes
- Overhead Electric
- Guy Wire
- Power/Utility Pole
- Electric Tower
- Fence Line

## FOREST STAND DELINEATION PLAN

ZONING W1  
TAX MAP 10 - PARCEL 397  
ANNE ARUNDEL COUNTY, MARYLAND

SOLLEY ROAD SUBSTATION

ELECTRIC SUBSTATION ENGINEERING

SCALE: 1" = 40'  
DWG NO: FSD-07

MARYLAND DEPARTMENT OF NATURAL RESOURCES, QUALIFIED PROFESSIONAL  
KLEINFELDER  
DANIEL YEAGER

SIGNATURE

3/6/2025  
DATE

**KLEINFELDER**  
Bright People. Right Solutions.  
10710 Glary Road  
Frost Valley, Maryland 21034  
Phone: 443.589.2400  
Project No: 2500798-008A

REV	DATE	ACCOUNT NO.	DESCRIPTION	APPROVED	AUTOCAD
				PREP	ENGINEERING
				REVD	DWG
				APVD	ELEC
					PROJ. ENG.
					PROJ. MGR.
					PRIN. ENG.
					SUPV. ENG.
DESIGN GROUP					
DESIGNED					
DRAWN					
CHECKED					
APPROVED					
DATE					

MATCHLINE - SHEET 5

MATCHLINE - SHEET 6

## LEGEND

EXISTING	
Minor Contour	
Major Contour	
Storm Drain	
Water & Fire Hydrant	
Sanitary Sewer	
Edge of Paving	
Tree Line	
Specimen Tree/ Specimen Tree #	ST-##
Specimen Tree Critical Root Zone	
Forest Stand Delineation Line	
Forest Stand Plot	
Building	
Tract Boundary	
Road Right-of-Way/ Easement Line	
Wetlands / Wetland Limit	WS
20' Wetland Buffer	WS
Perennial and Intermittent Stream/Waters Edge	WUS
Ephemeral Stream/Waters Edge	SB
100' Stream Buffer	SB
Existing 100 Year Floodplain	FP
Forest Interior Dwelling Species Boundary	FID
Soils Line	
15-24.9% Slopes	
25%+ Slopes	
Overhead Electric	
Guy Wire	
Power/Utility Pole	
Electric Tower	
Fence Line	

MATCHLINE A - THIS SHEET

MATCHLINE - SHEET 6

MATCHLINE - SHEET 7

MATCHLINE A - THIS SHEET

FOREST  
STAND BFOREST  
STAND FBFI WASTE SYSTEMS  
OF NORTH AMERICA, INC.  
DEED: 27635170  
PLAT: 158/16, LOT C

SHEET 8 OF 9

MARYLAND DEPARTMENT OF NATURAL RESOURCES, QUALIFIED PROFESSIONAL  
KLEINFELDER  
DANIEL YEAGER

*Daniel Yeager*  
SIGNATURE

3/6/2025  
DATE



REV	DATE	ACCOUNT NO.	DESCRIPTION	APPROVED	AUTOCAD
				PREP	ENGINEERING
				REV'D	ELEC.
				AP'D	PROJ. ENG.
					PROJ. MGR.
					PHYS. ENG.
					SUPV. ENG.
DESIGN GROUP					
DESIGNED					
DRAWN					
CHECKED					
APPROVED					
DATE					

FOREST STAND  
DELINEATION PLAN

ZONING W1  
TAX MAP ID: PARCEL 387  
ANNE ARUNDEL COUNTY, MARYLAND

SOLLEY ROAD SUBSTATION

ELECTRIC SUBSTATION ENGINEERING

SCALE: 1"=40'  
TWT: NO  
FSD-08

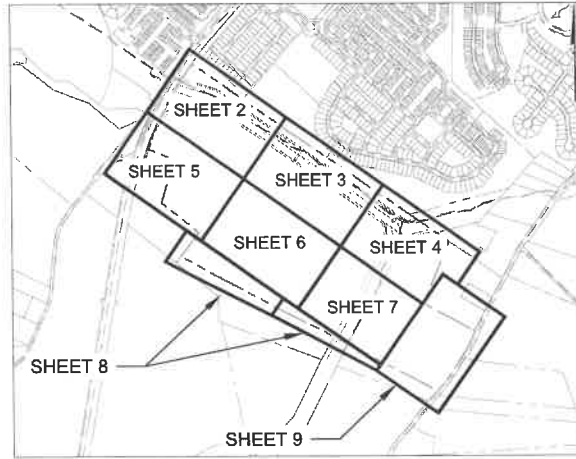


# SPECIMEN TREE IMPACT TABLE

Tree Number	Species	Scientific Name	DBH (inches)	Condition	Impact / Treatment
1	White Oak	Quercus alba	36.5	Good	To Remain
2	White Oak	Quercus alba	36	Good	To Remain
3	Red Maple	Acer rubrum	46.5	Good	To Remain
4	Red Maple	Acer rubrum	30	Good	To Remain
5	Red Maple	Acer rubrum	37.5	Good	To Remain
6	Red Maple	Acer rubrum	31.5	Good	To Remain
7	Red Maple	Acer rubrum	34	Good	To Remain
8	Willow Oak	Quercus phellos	37	Good	To Remain
9	Northern Red Oak	Quercus rubra	33.5	Good	To Remain
10	Willow Oak	Quercus phellos	40.5	Good	To Remain
11	Red Maple	Acer rubrum	31.5	Good	To Remain
12	Red Maple	Acer rubrum	35	Good	To Remain
13	Red Maple	Acer rubrum	42	Good	To Remain
14	Red Maple	Acer rubrum	36	Good	To Remain
15	Red Maple	Acer rubrum	49	Good	To Remain
16	Sweetgum	Liquidambar styraciflua	32	Good	To Remain
17	Red Maple	Acer rubrum	32	Good	To Remain
18	Sweetgum	Liquidambar styraciflua	30	Good	To Remain
19	White Oak	Quercus alba	30	Good	Cleared
20	White Oak	Quercus alba	31	Good	Cleared
21	White Oak	Quercus alba	30	Good	Cleared
22	Northern Red Oak	Quercus rubra	33.5	Good	Cleared
23	Red Maple	Acer rubrum	38.5	Good	To Remain
24	Sweetgum	Liquidambar styraciflua	31	Good	Cleared
25	Unknown Oak	Quercus sp.	31.5	Good	Cleared
26	Willow Oak	Quercus phellos	34.5	Good	Cleared
27	Red Maple	Acer rubrum	42.5	Good	Cleared
28	Sweetgum	Liquidambar styraciflua	32.5	Good	Cleared
29	White Oak	Quercus alba	32	Good	Cleared
30	White Oak	Quercus alba	31.5	Good	Cleared
31	Willow Oak	Quercus phellos	30	Good	Cleared
32	Willow Oak	Quercus phellos	30	Good	Cleared
33	Willow Oak	Quercus phellos	37.5	Good	Cleared
34	Willow Oak	Quercus phellos	37	Good	Cleared
35	Willow Oak	Quercus phellos	30	Good	Cleared
36	Southern Red Oak	Quercus falcata	32.5	Good	Cleared
37	Southern Red Oak	Quercus falcata	37	Good	Cleared
38	Southern Red Oak	Quercus falcata	32	Good	Cleared
39	Willow Oak	Quercus phellos	31	Good	Cleared
40	Unknown Oak	Quercus sp.	32.5	Good	Cleared
41	Southern Red Oak	Quercus falcata	31	Good	Cleared
42	Southern Red Oak	Quercus falcata	32.5	Good	Cleared
43	Willow Oak	Quercus phellos	36	Good	Cleared
44	Willow Oak	Quercus phellos	37	Good	Cleared
45	Willow Oak	Quercus phellos	36	Good	Cleared
46	Willow Oak	Quercus phellos	33	Good	Cleared
47	Southern Red Oak	Quercus falcata	35.5	Good	Cleared
48	Southern Red Oak	Quercus falcata	32	Good	Cleared
49	Southern Red Oak	Quercus falcata	40.5	Good	Cleared
50	Willow Oak	Quercus phellos	32	Good	Cleared
51	Southern Red Oak	Quercus falcata	34	Good	Cleared
52	Southern Red Oak	Quercus falcata	31	Good	Cleared
53	Southern Red Oak	Quercus falcata	34.5	Good	Cleared
54	Willow Oak	Quercus phellos	35	Good	Cleared
55	Southern Red Oak	Quercus falcata	36.5	Good	Cleared
56	Southern Red Oak	Quercus falcata	37	Good	Cleared
57	Red Maple	Acer rubrum	40.5	Good	Cleared
58	Southern Red Oak	Quercus falcata	31.5	Good	Cleared
59	Red Maple	Acer rubrum	32.5	Good	Cleared
60	Red Maple	Acer rubrum	36.5	Good	Cleared
61	Willow Oak	Quercus phellos	32	Good	Cleared
62	Southern Red Oak	Quercus falcata	31	Good	Cleared
63	Southern Red Oak	Quercus falcata	30.5	Good	Cleared
64	Willow Oak	Quercus phellos	33.5	Good	Cleared
65	Willow Oak	Quercus phellos	37.5	Good	Cleared
66	Southern Red Oak	Quercus falcata	46	Good	Cleared
67	Willow Oak	Quercus phellos	32	Good	Cleared
68	Southern Red Oak	Quercus falcata	42	Good	Cleared
69	White Oak	Quercus alba	38	Good	To Remain
70	White Oak	Quercus alba	30.5	Good	To Remain
71	White Oak	Quercus alba	30.5	Good	To Remain
72	White Oak	Quercus alba	30	Good	To Remain
73	White Oak	Quercus alba	30	Good	To Remain
74	Southern Red Oak	Quercus falcata	38.5	Good	To Remain
75	Red Maple	Acer rubrum	35	Good	To Remain
76	Willow Oak	Quercus phellos	39.5	Good	To Remain
77	Southern Red Oak	Quercus falcata	33.5	Good	To Remain
78	Red Maple	Acer rubrum	43.5	Good	Cleared
79	Willow Oak	Quercus phellos	34	Good	Cleared
80	Willow Oak	Quercus phellos	30.5	Good	Cleared
81	Southern Red Oak	Quercus falcata	32	Good	Cleared
82	Southern Red Oak	Quercus falcata	35	Good	Cleared
83	Willow Oak	Quercus phellos	36.5	Good	Cleared
84	Willow Oak	Quercus phellos	38	Good	Cleared
85	Willow Oak	Quercus phellos	31.5	Good	Cleared
86	Willow Oak	Quercus phellos	36	Good	Cleared
87	Southern Red Oak	Quercus falcata	36.5	Good	Cleared
88	Willow Oak	Quercus phellos	30	Good	Cleared
89	Willow Oak	Quercus phellos	30.5	Good	To Remain
90	Willow Oak	Quercus phellos	39.5	Good	Cleared
91	Southern Red Oak	Quercus falcata	35.5	Good	Cleared
92	Willow Oak	Quercus phellos	35	Good	Cleared
93	Southern Red Oak	Quercus falcata	31	Good	Cleared
94	Willow Oak	Quercus phellos	40	Good	Cleared
95	Tulip Poplar	Liquidambar styraciflua	46	Good	Cleared
96	Willow Oak	Quercus phellos	40.5	Good	Cleared
97	Willow Oak	Quercus phellos	34	Good	Cleared
98	Willow Oak	Quercus phellos	36	Good	Cleared

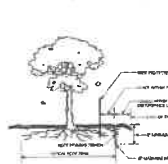
# SOLLEY ROAD SUBSTATION FOREST CONSERVATION PLAN ANNE ARUNDEL COUNTY, MD

ANNE ARUNDEL COUNTY TAX MAP 10, BLOCK N/A, PARCEL 397  
3RD TAX DISTRICT, ANNE ARUNDEL COUNTY, MARYLAND  
ZONED: W1 (INDUSTRIAL PARK) ZIP CODE: 21060

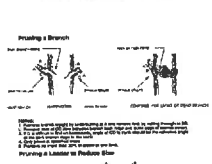


SHEET INDEX  
SCALE: 1" = 600'

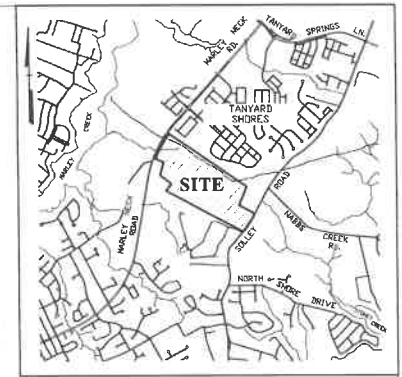
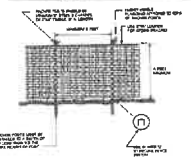
TREE ROOT PRUNING - TYPICAL DETAIL



TREE PRUNING - TYPICAL DETAIL



TREE PROTECTION FENCE - TYPICAL DETAIL



VICINITY MAP  
SCALE: 1" = 2000'

## FOREST PROTECTION NOTES

1. THE FOREST AND BIODIVERSITY CONTROL PLAN SHALL LOCATE AND DESCRIBE ANY PROTECTION MEASURES TO BE INSTALLED TO PROTECT FOREST AND BIODIVERSITY.
2. CUTTING OR REMOVAL OF FOREST NOT IN CONFORMANCE WITH THE PLAN OR WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE APPROVING AUTHORITY OR OTHERWISE SHALL BE SUBJECT TO FINES.
3. AN INDIVIDUAL WHO CONSTRUCTS OR CAUSES TO BE CONSTRUCTED ANY STRUCTURE OR OTHER IMPROVEMENTS OR REMOVES OR CAUSES TO BE REMOVED ANY FOREST OR BIODIVERSITY SHALL BE SUBJECT TO FINES.
4. NO CONSTRUCTION OR OTHER ACTIVITY SHALL BE CONDUCTED WITHIN THE FOREST OR BIODIVERSITY WITHOUT THE WRITTEN CONSENT OF THE APPROVING AUTHORITY.
5. NO CONSTRUCTION OR OTHER ACTIVITY SHALL BE CONDUCTED WITHIN THE FOREST OR BIODIVERSITY WITHOUT THE WRITTEN CONSENT OF THE APPROVING AUTHORITY.
6. NO CONSTRUCTION OR OTHER ACTIVITY SHALL BE CONDUCTED WITHIN THE FOREST OR BIODIVERSITY WITHOUT THE WRITTEN CONSENT OF THE APPROVING AUTHORITY.
7. NO CONSTRUCTION OR OTHER ACTIVITY SHALL BE CONDUCTED WITHIN THE FOREST OR BIODIVERSITY WITHOUT THE WRITTEN CONSENT OF THE APPROVING AUTHORITY.
8. NO CONSTRUCTION OR OTHER ACTIVITY SHALL BE CONDUCTED WITHIN THE FOREST OR BIODIVERSITY WITHOUT THE WRITTEN CONSENT OF THE APPROVING AUTHORITY.
9. NO CONSTRUCTION OR OTHER ACTIVITY SHALL BE CONDUCTED WITHIN THE FOREST OR BIODIVERSITY WITHOUT THE WRITTEN CONSENT OF THE APPROVING AUTHORITY.
10. NO CONSTRUCTION OR OTHER ACTIVITY SHALL BE CONDUCTED WITHIN THE FOREST OR BIODIVERSITY WITHOUT THE WRITTEN CONSENT OF THE APPROVING AUTHORITY.

## FOREST CONSERVATION NOTES

1. ALL EFFORTS TO MINIMIZE THE AREA OF DISTURBANCE SHALL BE MADE.
2. IF ANY DISTURBANCE OCCURS, THE AREA OF DISTURBANCE SHALL BE MINIMIZED.
3. IF ANY DISTURBANCE OCCURS, THE AREA OF DISTURBANCE SHALL BE MINIMIZED.
4. IF ANY DISTURBANCE OCCURS, THE AREA OF DISTURBANCE SHALL BE MINIMIZED.
5. IF ANY DISTURBANCE OCCURS, THE AREA OF DISTURBANCE SHALL BE MINIMIZED.
6. IF ANY DISTURBANCE OCCURS, THE AREA OF DISTURBANCE SHALL BE MINIMIZED.
7. IF ANY DISTURBANCE OCCURS, THE AREA OF DISTURBANCE SHALL BE MINIMIZED.
8. IF ANY DISTURBANCE OCCURS, THE AREA OF DISTURBANCE SHALL BE MINIMIZED.
9. IF ANY DISTURBANCE OCCURS, THE AREA OF DISTURBANCE SHALL BE MINIMIZED.
10. IF ANY DISTURBANCE OCCURS, THE AREA OF DISTURBANCE SHALL BE MINIMIZED.

FCC Summary Table	
FCC 1	18.36 AC
FCC 2	5.08 AC
FCC 3	24.50 AC

## FOREST CONSERVATION WORKSHEET

Variables	Unique Tract 3
A. Growth Potential Area	Priority Funding Area
B. Land Use Type	Industrial
C. Forest Above Threshold	102.4
D. Unforested Area (Critical Area or 200' Buffer)	5.7
E. Impervious Surface (Roofs, Driveways, etc.)	5.8
F. Existing Forest Cover within the Subject Tract Area	103.8
G. Proposed Forest Cover within the Subject Tract Area	54.9
H. Net Change (Forest Area) = (F) - (G)	58.9
I. Total Net Forest Area (Net Change + Existing Forest Area)	162.7
J. Net Change Threshold	50%
K. Net Change Threshold	50%
L. Net Change Threshold	50%
M. Net Change Threshold	50%
N. Net Change Threshold	50%
O. Net Change Threshold	50%
P. Net Change Threshold	50%
Q. Net Change Threshold	50%
R. Net Change Threshold	50%
S. Net Change Threshold	50%
T. Net Change Threshold	50%
U. Net Change Threshold	50%
V. Net Change Threshold	50%
W. Net Change Threshold	50%
X. Net Change Threshold	50%
Y. Net Change Threshold	50%
Z. Net Change Threshold	50%

MARYLAND DEPARTMENT OF NATURAL RESOURCES, QUALIFIED PROFESSIONAL  
KLEINFELDER  
DANIEL YEAGER  
3/6/2025  
DATE

KLEINFELDER  
Bright People. Right Solutions.  
10710 Green Road  
Hanover, Maryland 21073  
Phone: 410.399.7400  
Project No. 2500706.0004

REV	DATE	ACCOUNT NO.	DESCRIPTION	APPROVED	AUTOCAD
				PREP	ENGINEERING
				CHK	CHK
				APPV	APPV
				PROJ CHG	PROJ CHG
				PROJ MGR	PROJ MGR
				PROJ ENG	PROJ ENG
				SUPV	SUPV
				DESIGN GROUP	DESIGN GROUP
				DESIGNED	DESIGNED
				CHECKED	CHECKED
				APPROVED	APPROVED
				DRAWN	DRAWN
				SCALE	SCALE
				DWG NO.	DWG NO.
				FCC-01	FCC-01

## FOREST CONSERVATION PLAN

ZONING W1  
TAX MAP 10 - PARCEL 397  
ANNE ARUNDEL COUNTY, MARYLAND  
SOLLEY ROAD SUBSTATION  
ELECTRIC SUBSTATION ENGINEERING  
SCALE: AS SHOWN  
DWG NO. FCC-01

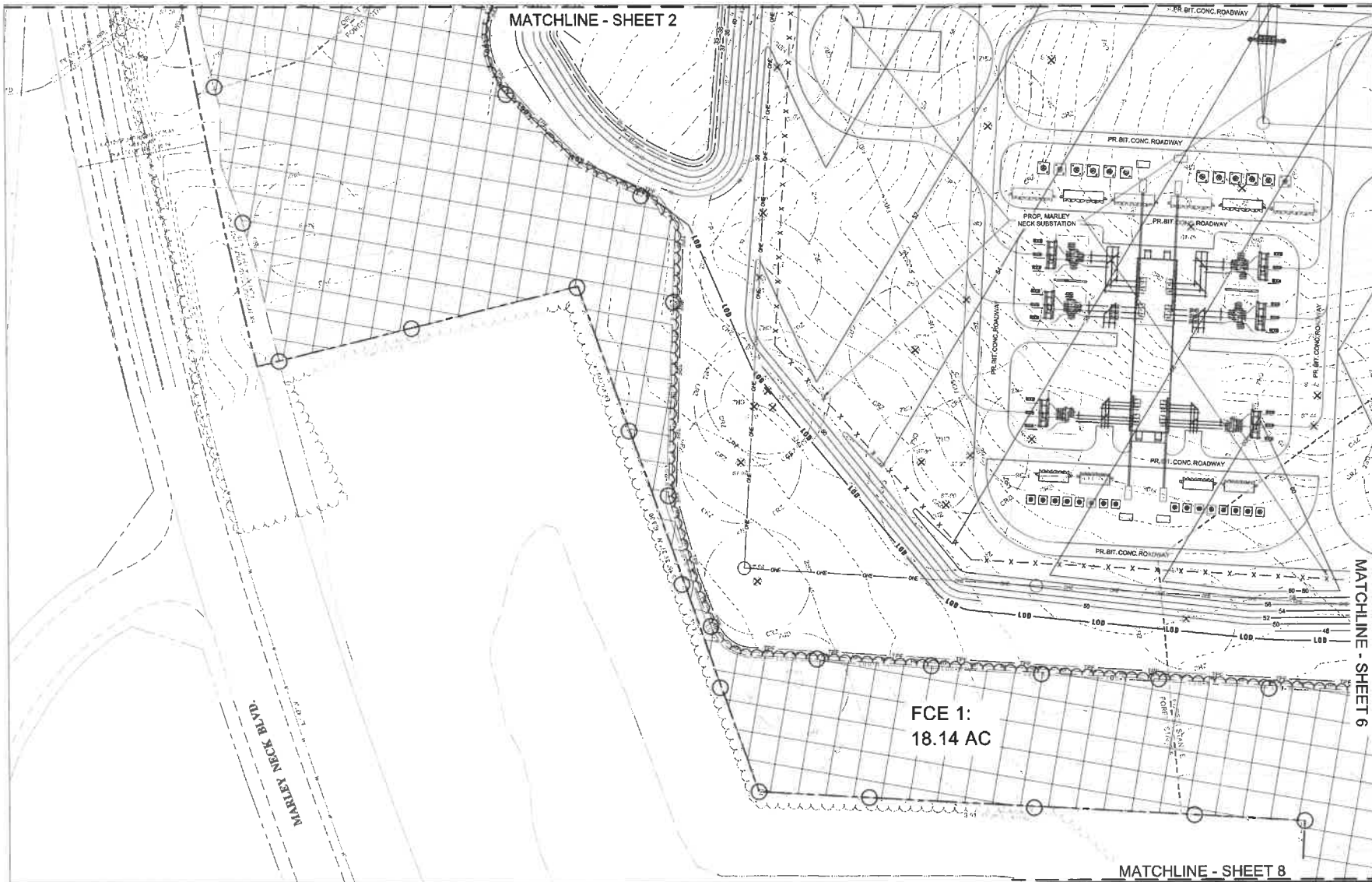












### LEGEND

**EXISTING**

- Minor Contour
- Major Contour
- Storm Drain
- Water & Fire Hydrant
- Sanitary Sewer
- Edge of Paving
- Tree Line
- Specimen Tree / Specimen Tree #
- Specimen Tree Critical Root Zone
- Forest Stand Delineation Line
- Building
- Tract Boundary
- Road Right-Of-Way
- Easement Line
- Wetlands / Wetland
- 25' Wetland Buffer
- Perennial and Intermittent Stream/Waters Edge
- Stream/Waters Edge
- 100' Stream Buffer
- Existing 100 Year Floodplain
- Overhead Electric
- Forest Interior Dwelling Species Boundary
- City Wire
- Power/Utility Pole
- Electric Tower
- Fence Line

**FOREST CONSERVATION**

- Limit of Disturbance
- Proposed Tree Line
- Specimen Tree to be Chained
- Tree Protection Fence
- Tree Root Pruning
- Proposed Forest Conservation Easement
- Proposed Forest Conservation Sign

**FOREST CONSERVATION PLAN**

ZONING W1  
TAX MAP 10-PAUCEL 997  
ANNE ARUNDEL COUNTY, MARYLAND

**SOLLEY ROAD SUBSTATION**

ELECTRIC SUBSTATION ENGINEERING

SCALE: 1" = 40'

DATE: 3/6/2025

REV: 1

NO. 03/2011

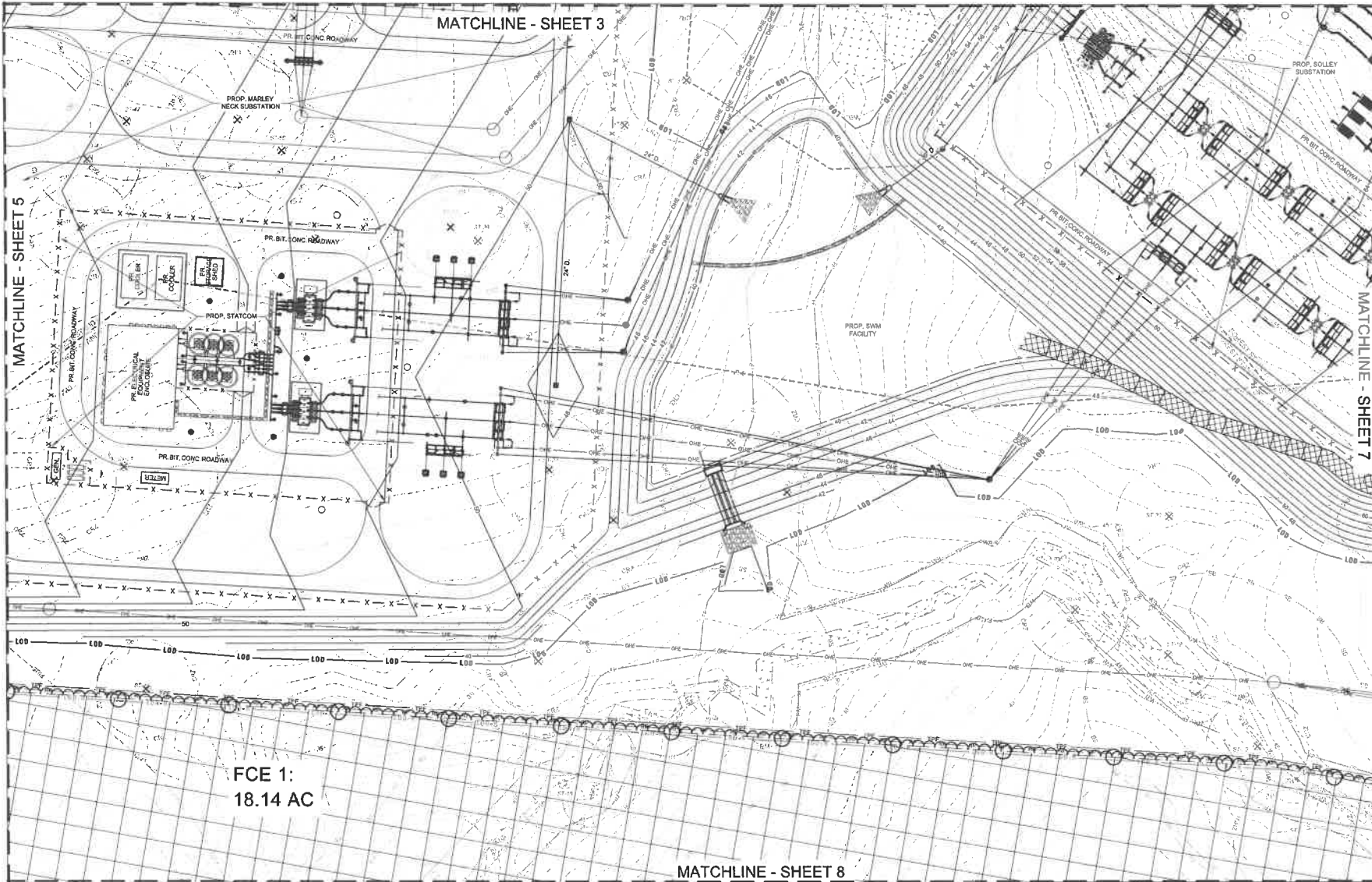
MARYLAND DEPARTMENT OF NATURAL RESOURCES, QUALIFIED PROFESSIONAL:  
KLEINFELDER  
DANIEL YEAGER  
3/6/2025  
DATE

**KLEINFELDER**  
Bright People. Right Solutions.  
10710 Green Road  
Pine Valley, Maryland 21131  
Phone: 443.590.2400  
Project No. 2507158.0004

REV	DATE	ACCOUNT NO.	DESCRIPTION	APPROVED	AUTOCAD
				PREP	ENGINEERING
				REV'D	ENG.
				APVD	PROJ. ENG.
					PROJ. MGR.
					PRJ. ENG.
					SUPV. ENG.
					DESIGN GROUP
					DESIGNED
					CHECKED
					APPROVED
					SITE

REV	DATE	DESCRIPTION
1	3/6/2025	ISSUED FOR PERMIT

1. User: V:\projects\2507158\001\002\_Solley Road Substation (RDS)\DWG\2507158\Natural Resource\Substation ECP.dwg, Mar 18, 2025 11:48am, gpyeager



# LEGEND

- EXISTING**
- Minor Contour
  - Major Contour
  - Storm Drain
  - Water & Fire Hydrant
  - Sanitary Sewer
  - Edge of Paving
  - Tree Line
  - Specimen Tree / Specimen Tree #
  - Specimen Tree
  - Grass Root Zone
  - Forest Stand
  - Deception Line
  - Balding
  - Tract Boundary
  - Road Right-of-Way
  - Easement Line
  - Wetlands / Wetland Line
  - 25' Wetland Buffer
  - Perennial and Intermittent Stream/Waters Edge
  - Ephemeral Stream/Waters Edge
  - 100' Stream Buffer
  - Existing 100 Year Floodplain
  - Overhead Electric
  - Forest Interior Dwelling
  - Species Boundary
  - Guy Wire
  - Power/Utility Pole
  - Electric Tower
  - Fence Line

## FOREST CONSERVATION

- Limit of Disturbance
- Proposed Tree
- Specimen Tree to be Cleared
- Tree Protection Fence
- Tree Root Pinning
- Proposed Forest Conservation Easement
- Proposed Forest Conservation Sign

FCE 1:  
18.14 AC

MATCHLINE - SHEET 8

## FOREST CONSERVATION PLAN

ZONING W1  
TAX MAP 15 - PARCEL 397  
ANNIE ARUNDEL COUNTY, MARYLAND

SOLLEY ROAD SUBSTATION

ELECTRIC SUBSTATION ENGINEERING

SCALE: 1" = 40'  
DATE: 3/6/2025

MARYLAND DEPARTMENT OF NATURAL RESOURCES, QUALIFIED PROFESSIONAL  
KLEINFELDER  
DANIEL YEAGER  
3/6/2025  
DATE

**KLEINFELDER**  
Bright People. Right Solutions.  
10110 Gwyn Road  
Hunt Valley, Maryland 21031  
Phone: 410.586.2400  
Project No. 250079A.008A

REV	DATE	ACCOUNT NO.	DESCRIPTION	APPROVED	AUTOCAD
PREP					ENGINEERING
REVD					DWG
APVD					ELEC
					PROJ. ENG.
					PROJ. MGR.
					PRIN. ENG.
					SUPV. ENG.
DESIGN GROUP					
					DESIGNED
					DRAWN
					CHECKED
					APPROVED
					DATE



MATCHLINE - SHEET 5

MATCHLINE - SHEET 6

## LEGEND

EXISTING	
Minor Contour	
Major Contour	
Storm Drain	
Water & Fire Hydrant	
Sanitary Sewer	
Edge of Paving	
Tree Line	
Specimen Tree / Specimen Tree #	
Specimen Tree Critical Root Zone	
Forest Stand Delineation Line	
Building	
Tract Boundary	
Road Right-Of-Way	
Easement Line	
Wetlands / Wetland Limit	
25' Wetland Buffer	
Perennial and Intermittent Stream/Waters Edge	
Epithermal Stream/Waters Edge	
Existing 100 Year Floodplain	
100' Stream Buffer	
Overhead Electric	
Forest Interior Dwelling Species Boundary	
Guy Wire	
Power/Utility Pole	
Electric Tower	
Fence Line	

FOREST CONSERVATION	
Limit of Disturbance	100'
Proposed Treeline	
Specimen Tree to be Cleared	X
Tree Protection Fence	25'
Tree Root Pinning	RP
Proposed Forest Conservation Easement	
Proposed Forest Conservation Sign	

FCE 1:  
18.14 AC

MATCHLINE A - THIS SHEET

FCE 3:  
24.59 AC

MATCHLINE - SHEET 6

MATCHLINE - SHEET 7

FCE 1:  
18.14 AC

MATCHLINE A - THIS SHEET

SHEET 8 OF 9

REV	DATE	ACCOUNT NO.	DESCRIPTION	APPROVED	AUTOCAD
				PREP	ENGINEERING
				REV'D	ENG
				APVD	PRJ ENGR
					PRJ MGR
					PRJ ENGR
					SUPV. ENG.
DESIGN GROUP					
DESIGNED					
DRAWN					
CHECKED					
APPROVED					
DATE					

FOREST  
CONSERVATION PLAN

ZONING W1  
TAX MAP 13 - PARCEL 397  
ANNE ARUNDEL COUNTY, MARYLAND  
SOLLEY ROAD SUBSTATION  
ELECTRIC SUBSTATION ENGINEERING  
SCALE 1"=40'  
DWG NO. FCP-08

MARYLAND DEPARTMENT OF NATURAL RESOURCES, QUALIFIED PROFESSIONAL  
KLEINFELDER  
DANIEL YEAGER

*Daniel Yeager*  
SIGNATURE

3/6/2025  
DATE

**KLEINFELDER**  
Bright People. Right Solutions.  
10710 Glynn Road  
Hunt Valley, Maryland 21071  
Phone: 410.586.2400  
Project No. 2300758.000A










MATCHLINE - SHEET 4

EXISTING

- EXISTING  
 Minor Contour  
 Major Contour  
 Slope Drain  
 Water & Fire Hydrant  
 Sanitary Sewer  
 Edge of Paving  
 Tree Line  
 Specimen Tree/  
 Specimen Tree #  
 Specimen Tree  
 Critical Root Zone  
 Forest Stand  
 Delineation Line  
 Building  
 Tract Boundary  
 Road Right-Of-Way  
 Easement Line  
 Wetlands / Wadland  
 26' Wetland Buffer  
 Perennial and  
 Intermittent  
 Stream/Waters  
 Edge  
 Ephemeral  
 Stream/Waters  
 Edge  
 100' Stream Buffer  
 Existing 100 Year  
 Floodplain  
 Overhead Electric  
 Forest Interior Dwelling  
 Species Boundary  
 Guy Wire  
 Power/Utility Pole  
 Electric Tower  
 Fence Line

## FOREST CONSERVATION

- FOREST CONSERVATION**
- Limit of Disturbance  LOD
- Proposed Timeline 
- Specimen Tree to be Cleared  X
- Tree Protection Fence  TPF
- Tree Root Pruning  RP RP
- Proposed Forest Conservation Easement 
- Proposed Forest Conservation Sign 

FCE 3:  
24.59 AC

BELLE GROVE  
CORP  
DET'D 4290 1/2

11/02/2011

SHEET 9 OF 9


REV	DATE	ACCOUNT NO.	DESCRIPTION	APPROVED	AUTOCAD
				PREP	ENGINEERING
				REVD	CIVIL
				APVD	FIELD
					PROJ. ENG.
					PROJ. MGR.
					PROJ. ENG.
					SUPV. ENG.
					DESIGN GROUP
					DESIGNED
					DRAWN
					CHECKED
					APPROVED
					DATE

FOREST  
CONSERVATION PLAN

ZONING W1  
TAX MAP 10 - PARCEL 387  
ANNE ARUNDEL COUNTY, MARYLAND

**SOLLEY ROAD SUBSTATION**

**ELECTRIC SUBSTATION ENGINEERING**

 SCALE: 1" = 40'

DRAWING NO. FCP-09

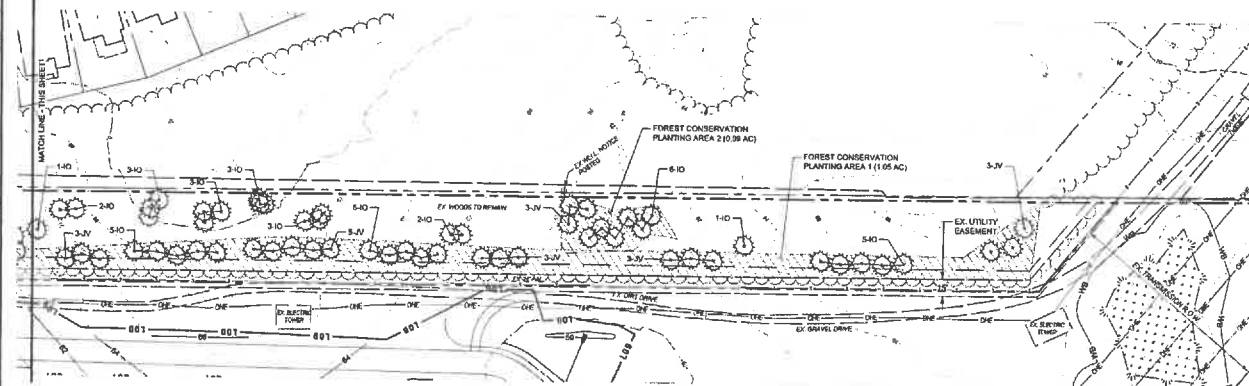
REV: \_\_\_\_\_

MARYLAND DEPARTMENT OF NATURAL RESOURCES, QUALIFIED PROFESSIONAL  
KLEINFELDER 443-589-2400  
DANIEL YEAGER  
  
SIGNATURE DATE 3/6/2025



T:\2024\Facilities\240306\51 001A. BCC Sallay Road Substation\Sallay Road Substation FOR Sheets.dwg Mar 19, 2025 11:35am djanqer

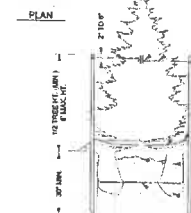




SCALE: 1"=50'



•



DO NOT CUT LEADER  
BLACK RUBBER HOSES  
2 STRANDS GALV. WIRE,  
TWISTED UNTIL TAUT  
2" SQUARE HARDWOOD STAKES,  
MIN. 18" LONG; EXTEND STAKES TO  
FIRM BEARING AS NEEDED

3" MULCH  
3" HT. SAUCER AROUND  
TREE PIT

CUT AND REMOVE BURLAP AND/OR WIRE BASKET FROM TOP 1/3 OF ROOT BALL  
SCARIFY SUBSOIL TO 6" MIN. DEPTH  
SET EVERGREEN TREES 2" HIGHER THAN GROWN IN NURSERY TO ALLOW FOR SETTLING


1. All plant material shall be subject to and not accepted without approval of the Landscape Architect.
2. All trees and groundcover areas shall be planted in containers prepared planting plan.
3. All shrub beds shall be mulched with hardwood mulch as detailed and specified except where noted on plans.
4. All planting material shall not be planting beds at a minimum of two percent slope.
5. All plant quantities are provided for the convenience of the contractor. If discrepancies exist between quantities shown on the plan and those shown on the plant list, the quantities on the plant sheet shall take precedence.
6. All areas within construction limits disturbed during and/or prior to construction not designated to be planted and mulched shall be law grazed and seeded in accordance with plans and construction.
7. All planting shall comply with Miss. Utility, (800-257-7777) a minimum of three working days prior to planting and construction.
8. All plant material shall be nursery grown, landscape quality, and shall conform to American Standard Nursery Stock.
9. All planting procedures shall conform to Landscape Contractors Association Specification Guidelines For Structural/Working/Installation/Planting Areas (latest edition).
10. Contractor shall refer to the following:

SYM.	KEY	QTY	SCIENTIFIC NAME	COMMON NAME	SIZE	COMMENTS
EVERGREEN TREES						
4	IO	82	Illex opaca	American Holly	3' - 4' HT	85 Container, 20" O.C.
	JV	73	Juniperus virginiana	Eastern Redcedar	3' - 4' HT	85 Container, 20" O.C.
	TOTAL	158				

SYM.	KEY	QTY	SCIENTIFIC NAME	COMMON NAME	SIZE	COMMENTS
EVERGREEN TREES						
4	IO	82	Illex opaca	American Holly	3' - 4' HT	85 Container, 20" O.C.
	JV	73	Juniperus virginiana	Eastern Redcedar	3' - 4' HT	85 Container, 20" O.C.
	TOTAL	158				

License No., 1008      Expiration Date: 5/20/2026



REV	DATE	ACCOUNT NO	DESCRIPTION	APPROVED	AUTOCAD	Landscape Plan  BALTIMORE GAS & ELECTRIC COMPANY LOT 8 - SOUTH BOLLEY ROAD OLD N BURGESS, ANNE ARUNDEL COUNTY, MD 21086 TIA LAMP IS PARALLEL BYT 115W SUBSTATION  MARLEY NECK - SOLLEY  ELECTRIC SUBSTATION ENGINEERING	
				PREP _____	ENGINEERING _____		
				REV'D _____	CHECK _____		
				APVD _____	PLT _____		
					FILE _____		
					PROJ. ENG _____		
					PROJ. MGR _____		
					PRIN. ENG _____		
					PLT. DES _____		
				DESIGN GROUP			
				DESIGNED BY _____			
				DRAWN BY _____			
				CHECKED BY _____			
				APPROVED BY _____			
				DATE _____			
				 SCALE _____			REV. _____
				ENG. NO. _____ OF _____			B





# STANDARD RESPONSIBILITY NOTES

1. I/WE CERTIFY THAT:
  - A. ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH THE SEDIMENT AND EROSION CONTROL PLAN AND FURTHER, AUTHORIZES THE RIGHT OF ENTRY FOR PERIODIC ON-SITE EVALUATION BY THE ANNE ARUNDEL SOIL CONSERVATION DISTRICT (ASDC) BOARD OF SUPERVISORS OR THEIR AUTHORIZED AGENTS.
  - B. ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE FROM THE LAND AND DEPARTMENT OF THE ENVIRONMENT'S APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.
2. RESPONSIBLE PERSONNEL ON SITE: 702
3. IF APPLICABLE, THE APPROPRIATE ENCLOSURE SHALL BE CONSTRUCTED AND MAINTAINED ON SEDIMENT BASINS INCLUDED IN THIS PLAN. SUCH STRUCTURES SHALL BE IN CONFORMANCE WITH THE ANNE ARUNDEL COUNTY CODE.
4. THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS, AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR THE SEDIMENT AND EROSION CONTROL PRACTICES, STORM WATER MANAGEMENT PRACTICES AND THE RELOCATION OF STORM WATER OUT OF OR ADJACENT TO DOWNSTREAM PROPERTIES INCLUDED IN THE PLAN.
5. FOR INITIAL SOIL DISTURBANCE OR RE-DEVELOPMENT, PERMANENT AND/OR TEMPORARY STABILIZATION PER THE ASSOCIATED VEGETATIVE STABILIZATION SHALL BE COMPLETED WITHIN THREE CALENDAR DAYS FOR THE SURFACE OF ALL CONTROLLED EROSION, EROSION PERMITTER SLOPES AND ALL SLOPES GREATER THAN 1 HORIZONTAL TO 1 VERTICAL (3:1) AND SEVEN DAYS FOR ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
6. THE GRADING AND SEDIMENT CONTROL APPROVAL ON THIS PLAN EXTENDS ONLY TO THOSE AREAS WITHIN THE LIMITS OF DISTURBANCE. THE APPROVAL OF THIS PLAN FOR SEDIMENT AND EROSION CONTROL DOES NOT RELIEVE THE DEVELOPER/CONTRACTOR FROM COMPLIANCE WITH FEDERAL, STATE OR COUNTY REQUIREMENTS PERTAINING TO ENVIRONMENTAL IMPACT.
7. THE DEVELOPER MUST REQUEST THAT THE SEDIMENT AND EROSION CONTROL INSPECTOR APPROVE WORK COMPLETED IN ACCORDANCE WITH THE APPROVED SEDIMENT AND EROSION CONTROL PLAN. THE GRADING OR BUILDING PERMIT, AND THE DISTURBANCE.
8. ALL MATERIAL SHALL BE TAKEN TO A SITE WITH AN APPROVED SEDIMENT AND EROSION CONTROL PLAN.
9. FIRST PHASE INSPECTION AND APPROVAL OF THE SEDIMENT AND EROSION CONTROL INSPECTOR SHALL BE REQUIRED UPON COMPLETION OF THE INSTALLATION OF SEDIMENT AND EROSION CONTROL PRIOR TO PROCEEDING WITH ANY OTHER LAND DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THE RETAIL APPROVAL BY THE SEDIMENT AND EROSION CONTROL INSPECTOR HAS BEEN OBTAINED. THE INSPECTOR SHALL BE REQUIRED TO REVIEW THE PLAN AND CERTIFICATION OF THE INSTALLATION OF SEDIMENT CONTROL, ALSO BE PERFORMED BY A DESIGN PROFESSIONAL PRIOR TO CONSTRUCTION COMMENCEMENT.
10. APPROVAL FROM THE INSPECTOR MUST BE REQUESTED ON FINAL STABILIZATION OF ALL SITES PRIOR TO REMOVAL OF SEDIMENT AND EROSION CONTROLS.
11. EXISTING TOPOGRAPHY MUST BE FIELD VERIFIED BY RESPONSIBLE PERSONNEL TO THE SATISFACTION OF THE SEDIMENT CONTROL INSPECTOR PRIOR TO COMMENCING WORK.

DESIGNER / DEVELOPER / OWNER  
NAME (PRINT) \_\_\_\_\_  
TITLE \_\_\_\_\_  
AFFILIATION \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
TELEPHONE NUMBER \_\_\_\_\_  
E-MAIL ADDRESS \_\_\_\_\_

## CONSULTANT'S CERTIFICATION

"THE DEVELOPER'S PLAN TO CONTROL, PREVENT AND EROSION IS ADEQUATE TO CONTAIN THE SEDIMENT AND EROSION ON THE PROPERTY COVERED BY THIS PLAN. I CERTIFY THAT THIS PLAN OF DESIGN AND SEDIMENT AND EROSION CONTROL PRACTICES IS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THIS SITE, AND WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ANNE ARUNDEL SOIL CONSERVATION DISTRICT PLAN SUBMITTAL GUIDELINES AND THE CURRENTLY APPLICABLE STANDARDS AND SPECIFICATIONS FOR SEDIMENT AND EROSION CONTROL. I HAVE REVIEWED THIS SEDIMENT AND EROSION CONTROL PLAN WITH THE OWNER/DEVELOPER."

SIGNATURE \_\_\_\_\_ NO. P.E. LICENSE # \_\_\_\_\_ DATE \_\_\_\_\_  
NAME AND SURVIVOR USE ONLY \_\_\_\_\_  
NAME (PRINT) \_\_\_\_\_ FIRM NAME \_\_\_\_\_ DATE \_\_\_\_\_  
ADDRESS \_\_\_\_\_ PHONE NUMBER \_\_\_\_\_ E-MAIL ADDRESS \_\_\_\_\_

## STORMWATER MANAGEMENT RECORD DRAWING CERTIFICATION

"THIS CERTIFIES TO THE BEST OF MY PROFESSIONAL BELIEF AND KNOWLEDGE, THE APPROVED S.W.M. SYSTEM(S) AS SHOWN HEREON HAVE BEEN CONSTRUCTED IN SUCH A MANNER THAT WOULD BE CONSISTENT WITH THE APPROVED PLANS. ANY CHANGES/MODIFICATIONS ARE SHOWN IN RED."

PROFESSIONAL'S NAME (PRINTED) \_\_\_\_\_ SIGNATURE \_\_\_\_\_ LICENSE NUMBER \_\_\_\_\_ DATE \_\_\_\_\_

## OWNER/PERMITTEE ACKNOWLEDGEMENT

"ALL GRADING, DRAINAGE, STRUCTURES, AND EROSION AND SEDIMENT CONTROL PRACTICES INCLUDING FACILITIES AND VEGETATIVE MEASURES HAVE BEEN COMPLETED IN CONFORMANCE WITH APPROVED PLANS."

OWNER/PERMITTEE'S NAME (PRINTED) \_\_\_\_\_ OWNER/PERMITTEE'S SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

## Statement of Accessibility Review

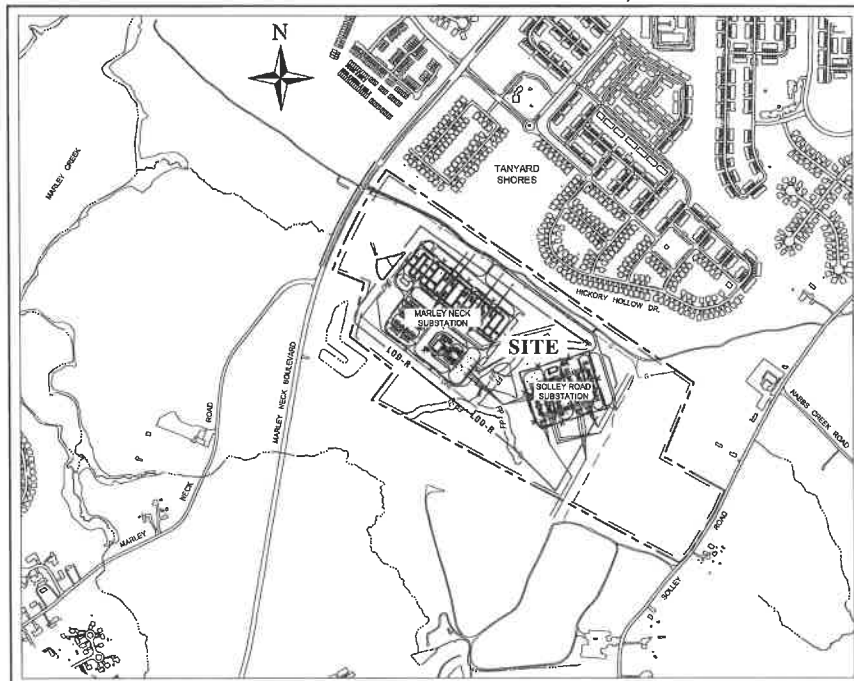
I hereby certify that these plans have been designed in conformance with the 2010 ADA Standards for Accessible Design, County Code, Maryland Accessibility Code and Accessible and Usable Buildings and Facilities (C.C. 11-1-1-2009 standard).

Print Name \_\_\_\_\_  
Signature \_\_\_\_\_ Date \_\_\_\_\_



An Exelon Company

# BALTIMORE GAS & ELECTRIC COMPANY SOLLEY AND MARLEY NECK SUBSTATIONS GLEN BURNIE ANNE ARUNDEL COUNTY, MARYLAND

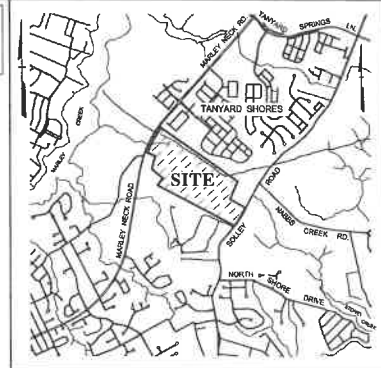


## LOCATION MAP

SCALE: 1" = 500'

## BENCHMARKS

DOCKWATER, BEARING AND DISTANCES ARE REFERRED TO THE MARYLAND STATE PLANE COORDINATE SYSTEM (MD 8201) IN NAD 83 AND TIED TO THE FOLLOWING UTM SHORT NET USE COORDINATE SYSTEM NETWORK STATION:  
UTM48N 19 UTM48N201 E 548117.000 ELEV. 61.458' MEAN-0208H  
5208H 980 E 1777.000 ELEV. 225.504'



## DRAWING INDEX

Number	Sheet Title
1	Cover Sheet
2	General Notes
3	Existing Drainage Area Map to PDI
4	Scoping Drainage Area Map to PDI
5	Proposed Drainage Area Map to PDI
6	Proposed Drainage Area Map to PDI
7	ESD Facility Drainage Area Map
8	ESD Facility #1 - Non-Residential Stormwater
9	ESD Facility #2 - Extended Detention Pond Plan
10	ESD Facility #3 - Extended Detention Pond Details
11	ESD Facility #4 - Infiltration Basin Plan
12	ESD Facility #5 - Infiltration Basin Profile
13	ESD Facility #6 - Infiltration Basin Profile and Details
14	SmartVMS Details

## VICINITY MAP

SCALE: 1" = 2000'

## SITE DATA

1. OWNER / DEVELOPER: Baltimore Gas & Electric Company  
110 W. Fayette Street  
2nd Floor  
Baltimore, MD 21201  
Contact: Jerome Wilson, Jr.  
(410) 313-3155
2. SITE ADDRESS: 5800 Road  
Glen Burnie, Maryland 21060
3. # OF EXISTING PARCELS: 103.30 AC
4. NET TRACT AREA: 103.30 AC
5. DEED REFERENCE: 38195 / 450
6. TAX ACCOUNT: 9805181
7. TAX MAP / GRID PARCEL: 0015 / 0017 / 387 / B
8. ZONING: W1-1 INDUSTRIAL
9. WATER SERVICE AREA: OLNEY / KIRKLAND LOW
10. SEWER SERVICE AREA: C&D CREEK
11. FEMA FIRM MAP: 34060206P
12. 100 YR FLOODPLAIN: 100
13. TIDAL / CONTINENTAL WETLANDS: HORIZONTAL WETLANDS
14. WETLANDS: 8.00 AC  
SCOT: 013000  
0130001 BALTIMORE HARBOR
15. THIS SITE IS NOT WITHIN THE CHESAPEAKE BAY CRITICAL AREA.
16. THIS SITE IS NOT WITHIN THE BAY ANGLE AIRPORT EXISTENT.
17. LUTHER LUTHER: FOREST AND PUBLIC
18. PROPOSED USE: UTILITY
19. PARKING SUMMARY: 0  
PROPOSED: 0

## SITE ANALYSIS

LAND AREA WITHIN THE SOLLEY SUBSTATION FENCE = 308.13 SQ. FT. OR 7.19 ACRES  
LAND AREA WITHIN THE MARLEY NECK SUBSTATION FENCE INCLUDES  
STATION AREA = 81,872 SQ. FT. OR 1.88 ACRES  
APPROXIMATE AREA OF FOREST CLEARING ASSOCIATED WITH SOLLEY SUBSTATION = 1,000,000 SQ. FT. OR 23.0 ACRES  
APPROXIMATE AREA OF FOREST CLEARING ASSOCIATED WITH MARLEY NECK SUBSTATION FENCE INCLUDES STATION AREA = 1,000,000 SQ. FT. OR 23.0 ACRES  
TOTAL AREA OF FOREST CLEARING = 2,000,000 SQ. FT. OR 46.0 ACRES  
AREA OF CONSTRUCTION SITE GRADING = 1,000,000 SQ. FT. OR 23.0 ACRES  
TOTAL AREA OF DISTURBANCE = 2,000,000 SQ. FT. OR 46.0 ACRES  
AREA TO BE VEGETATIVELY STABILIZED = 1,000,000 SQ. FT. OR 23.0 ACRES  
CUT  
FILL  
TOPSOIL:

CALL "MISS UTILITY" AT  
1-800-257-7777  
48 Hours Before Start Of Construction

## LIMIT OF DISTURBANCE

2,780,400 SQ. FT. OR 64.1 ACRES

## SEQUENCE OF CONSTRUCTION: OUTFALL STATEMENT: SEE SHEET 2

REV	DATE	ACCOUNT NO.	DESCRIPTION

## UPDATE YOUR PRINT TO REFLECT 'AS BUILT' STATE & RETURN A COPY TO THE APPLICABLE DESIGN UNIT

## COVER SHEET

BALTIMORE GAS & ELECTRIC COMPANY  
LOT 8 - SOUTH SOLLEY ROAD  
GLEN BURNIE, ANNE ARUNDEL COUNTY, MD 21060  
TAX MAP: 15 - PARCEL: 387  
115KV SUBSTATION

## SOLLEY SUBSTATION

## ELECTRIC SUBSTATION ENGINEERING

DESIGNED: R.G.B.  
DRAWN: M.S.S.  
CHECKED: R.G.B.  
APPROVED: \_\_\_\_\_  
DATE: \_\_\_\_\_  
SCALE: \_\_\_\_\_  
DWG. NO.: SDP-001

## PROFESSIONAL CERTIFICATION

I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed Professional Engineer under the laws of the State of Maryland.

License No. 20814 Expiration Date: 3/26/26



10110 Clay Road  
Hunt Valley, Maryland 21071  
Phone: 443.885.2500  
Project No: 25000795.000A









$2^0=1'$     $2^1=1'$     $2^2=1'$     $2^3=1'$     $2^4=1'$     $2^5=1'$     $2^6=1'$     $2^7=1'$     $2^8=1'$     $2^9=1'$     $2^{10}=1'$     $2^{11}=1'$     $2^{12}=1'$     $2^{13}=1'$     $2^{14}=1'$     $2^{15}=1'$     $2^{16}=1'$     $2^{17}=1'$     $2^{18}=1'$     $2^{19}=1'$     $2^{20}=1'$     $2^{21}=1'$     $2^{22}=1'$     $2^{23}=1'$     $2^{24}=1'$     $2^{25}=1'$     $2^{26}=1'$     $2^{27}=1'$     $2^{28}=1'$     $2^{29}=1'$     $2^{30}=1'$     $2^{31}=1'$     $2^{32}=1'$     $2^{33}=1'$     $2^{34}=1'$     $2^{35}=1'$     $2^{36}=1'$     $2^{37}=1'$     $2^{38}=1'$     $2^{39}=1'$     $2^{40}=1'$     $2^{41}=1'$     $2^{42}=1'$     $2^{43}=1'$     $2^{44}=1'$     $2^{45}=1'$     $2^{46}=1'$     $2^{47}=1'$     $2^{48}=1'$     $2^{49}=1'$     $2^{50}=1'$     $2^{51}=1'$     $2^{52}=1'$     $2^{53}=1'$     $2^{54}=1'$     $2^{55}=1'$     $2^{56}=1'$     $2^{57}=1'$     $2^{58}=1'$     $2^{59}=1'$     $2^{60}=1'$     $2^{61}=1'$     $2^{62}=1'$     $2^{63}=1'$     $2^{64}=1'$     $2^{65}=1'$     $2^{66}=1'$     $2^{67}=1'$     $2^{68}=1'$     $2^{69}=1'$     $2^{70}=1'$     $2^{71}=1'$     $2^{72}=1'$     $2^{73}=1'$     $2^{74}=1'$     $2^{75}=1'$     $2^{76}=1'$     $2^{77}=1'$     $2^{78}=1'$     $2^{79}=1'$     $2^{80}=1'$     $2^{81}=1'$     $2^{82}=1'$     $2^{83}=1'$     $2^{84}=1'$     $2^{85}=1'$     $2^{86}=1'$     $2^{87}=1'$     $2^{88}=1'$     $2^{89}=1'$     $2^{90}=1'$     $2^{91}=1'$     $2^{92}=1'$     $2^{93}=1'$     $2^{94}=1'$     $2^{95}=1'$     $2^{96}=1'$     $2^{97}=1'$     $2^{98}=1'$     $2^{99}=1'$     $2^{100}=1'$     $2^{101}=1'$     $2^{102}=1'$     $2^{103}=1'$     $2^{104}=1'$     $2^{105}=1'$     $2^{106}=1'$     $2^{107}=1'$     $2^{108}=1'$     $2^{109}=1'$     $2^{110}=1'$     $2^{111}=1'$     $2^{112}=1'$     $2^{113}=1'$     $2^{114}=1'$     $2^{115}=1'$     $2^{116}=1'$     $2^{117}=1'$     $2^{118}=1'$     $2^{119}=1'$     $2^{120}=1'$     $2^{121}=1'$     $2^{122}=1'$     $2^{123}=1'$     $2^{124}=1'$     $2^{125}=1'$     $2^{126}=1'$     $2^{127}=1'$     $2^{128}=1'$     $2^{129}=1'$     $2^{130}=1'$     $2^{131}=1'$     $2^{132}=1'$     $2^{133}=1'$     $2^{134}=1'$     $2^{135}=1'$     $2^{136}=1'$     $2^{137}=1'$     $2^{138}=1'$     $2^{139}=1'$     $2^{140}=1'$     $2^{141}=1'$     $2^{142}=1'$     $2^{143}=1'$     $2^{144}=1'$     $2^{145}=1'$     $2^{146}=1'$     $2^{147}=1'$     $2^{148}=1'$     $2^{149}=1'$     $2^{150}=1'$     $2^{151}=1'$     $2^{152}=1'$     $2^{153}=1'$     $2^{154}=1'$     $2^{155}=1'$     $2^{156}=1'$     $2^{157}=1'$     $2^{158}=1'$     $2^{159}=1'$     $2^{160}=1'$     $2^{161}=1'$     $2^{162}=1'$     $2^{163}=1'$     $2^{164}=1'$     $2^{165}=1'$     $2^{166}=1'$     $2^{167}=1'$     $2^{168}=1'$     $2^{169}=1'$     $2^{170}=1'$     $2^{171}=1'$     $2^{172}=1'$     $2^{173}=1'$     $2^{174}=1'$     $2^{175}=1'$     $2^{176}=1'$     $2^{177}=1'$     $2^{178}=1'$     $2^{179}=1'$     $2^{180}=1'$     $2^{181}=1'$     $2^{182}=1'$     $2^{183}=1'$     $2^{184}=1'$     $2^{185}=1'$     $2^{186}=1'$     $2^{187}=1'$     $2^{188}=1'$     $2^{189}=1'$     $2^{190}=1'$     $2^{191}=1'$     $2^{192}=1'$     $2^{193}=1'$     $2^{194}=1'$     $2^{195}=1'$     $2^{196}=1'$     $2^{197}=1'$     $2^{198}=1'$     $2^{199}=1'$     $2^{200}=1'$     $2^{201}=1'$     $2^{202}=1'$     $2^{203}=1'$     $2^{204}=1'$     $2^{205}=1'$     $2^{206}=1'$     $2^{207}=1'$     $2^{208}=1'$     $2^{209}=1'$     $2^{210}=1'$     $2^{211}=1'$     $2^{212}=1'$     $2^{213}=1'$     $2^{214}=1'$     $2^{215}=1'$     $2^{216}=1'$     $2^{217}=1'$     $2^{218}=1'$     $2^{219}=1'$     $2^{220}=1'$     $2^{221}=1'$     $2^{222}=1'$     $2^{223}=1'$     $2^{224}=1'$     $2^{225}=1'$     $2^{226}=1'$     $2^{227}=1'$     $2^{228}=1'$     $2^{229}=1'$     $2^{230}=1'$     $2^{231}=1'$     $2^{232}=1'$     $2^{233}=1'$     $2^{234}=1'$     $2^{235}=1'$     $2^{236}=1'$     $2^{237}=1'$     $2^{238}=1'$     $2^{239}=1'$     $2^{240}=1'$     $2^{241}=1'$     $2^{242}=1'$     $2^{243}=1'$     $2^{244}=1'$     $2^{245}=1'$     $2^{246}=1'$     $2^{247}=1'$     $2^{248}=1'$     $2^{249}=1'$     $2^{250}=1'$     $2^{251}=1'$     $2^{252}=1'$     $2^{253}=1'$     $2^{254}=1'$     $2^{255}=1'$     $2^{256}=1'$     $2^{257}=1'$     $2^{258}=1'$     $2^{259}=1'$     $2^{260}=1'$     $2^{261}=1'$     $2^{262}=1'$     $2^{263}=1'$     $2^{264}=1'$     $2^{265}=1'$     $2^{266}=1'$     $2^{267}=1'$     $2^{268}=1'$     $2^{269}=1'$     $2^{270}=1'$     $2^{271}=1'$     $2^{272}=1'$     $2^{273}=1'$     $2^{274}=1'$     $2^{275}=1'$     $2^{276}=1'$     $2^{277}=1'$     $2^{278}=1'$     $2^{279}=1'$     $2^{280}=1'$     $2^{281}=1'$     $2^{282}=1'$     $2^{283}=1'$     $2^{284}=1'$     $2^{285}=1'$     $2^{286}=1'$     $2^{287}=1'$     $2^{288}=1'$     $2^{289}=1'$     $2^{290}=1'$     $2^{291}=1'$     $2^{292}=1'$     $2^{293}=1'$     $2^{294}=1'$     $2^{295}=1'$     $2^{296}=1'$     $2^{297}=1'$     $2^{298}=1'$     $2^{299}=1'$     $$



**PLAN**


SCALE: 1"=200'

0 200' 400'

Category	0	200	400	800
0	~45%	~35%	~15%	~5%
200	~35%	~45%	~15%	~5%
400	~25%	~35%	~35%	~5%
800	~15%	~25%	~45%	~15%

License No.: 24514      Expiration Date: 2-28-20



				UPDATE YOUR PRINT TO REFLECT AS BUILT STATE & RETURN A COPY TO THE APPLICABLE DESIGN UNIT	
REV	DATE	ACCOUNT NO.	DESCRIPTION	APPROVED	AUTOCAD
				PREP	ENGINEERING
				REV'D	CIVIL, GEOTECHNICAL ENGINEERING
				APVD	ELECT.
					PROD. ENG.
					PROD. MGR.
					PRIN. ENG.
					SUPV. ENG.
				DESIGN GROUP	
				CHECKED: <u>G.S.B.</u>	
				DRAWN: <u>M.S.S.</u>	
				CHECKED: <u>G.S.B.</u>	
				APPROVED:	
				DATE:	
					
				SCALE: 1"=100'	
				CIVIL: <u>SDP-004</u>	
				REV. B	

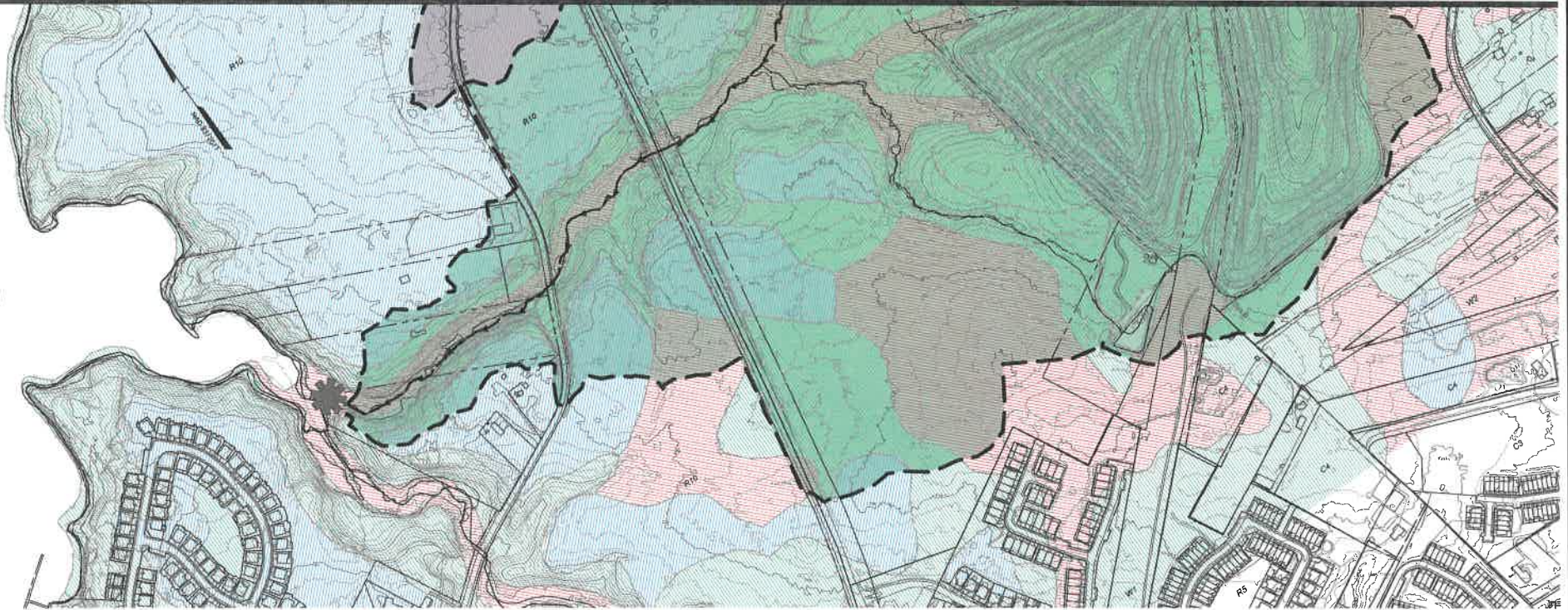
1°=30' 1°=30'







MATCH LINE SEE SHEET SWM-002A



PLAN

SCALE: 1"=200'



PROFESSIONAL CERTIFICATION

I hereby certify that these documents were prepared or approved by me, and that I am a duly Licensed Professional Engineer under the laws of the State of Maryland.

License No. 200518 Expiration Date 2-28-26

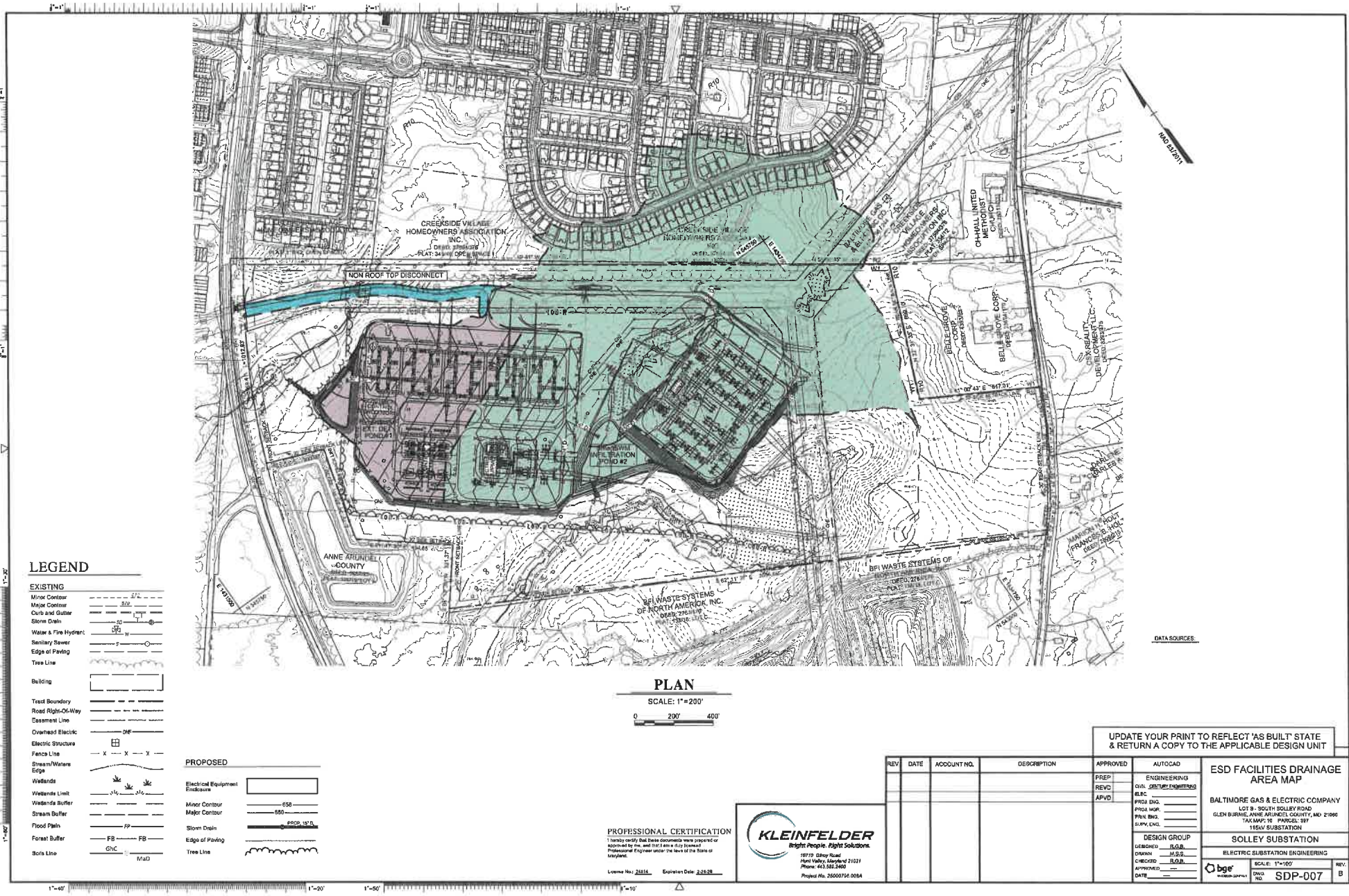


REV	DATE	ACCOUNT NO.	DESCRIPTION

UPDATE YOUR PRINT TO REFLECT 'AS BUILT' STATE & RETURN A COPY TO THE APPLICABLE DESIGN UNIT	
APPROVED	AUTOCAD
PREP	ENGINEERING
REVD	CIVIL
APVD	ELEC.
	PROJ. ENG.
	PRIN. ENG.
	SUPV. ENGR.
DESIGN GROUP	
DESIGNED	S.S.
DRAWN	M.S.S.
CHECKED	S.S.
APPROVED	
DATE	
BALTIMORE GAS & ELECTRIC COMPANY	
LOT B- SOUTH SOLLEY ROAD	
GLEN BURNE, ANNE ARUNDEL COUNTY, MD 21046	
TAX MAP 15 PARCEL 387	
115KV SUBSTATION	
SOLLEY SUBSTATION	
ELECTRIC SUBSTATION ENGINEERING	
bge	SCALE: 1"=100'
DWG. NO.	SDP-006
REV.	B

T:\2024\Medium\24000501.005A bge.sldwg: user: solley road substation (16)\C:\A\2007\Drawings\DWG Concept Plans\24000501.005A.dwg: 10/24/2024 2:25pm abraham





LEGEND

- EXISTING**
- Minor Contour
  - Major Contour
  - Curb and Gutter
  - Storm Drain
  - Water & Fire Hydrant
  - Sanitary Sewer
  - Edge of Paving
  - Tree Line
  - Building
  - Tract Boundary
  - Road Right-Of-Way
  - Easement Line
  - Overhead Electric
  - Electric Structure
  - Fence Line
  - Stream/Waters Edge
  - Wetlands
  - Wetlands Limit
  - Wetlands Buffer
  - Stream Buffer
  - Flood Plain
  - Forest Buffer
  - Soils Line
- PROPOSED**
- Electrical Equipment Enclosure
  - Minor Contour
  - Major Contour
  - Storm Drain
  - Edge of Paving
  - Tree Line

PLAN

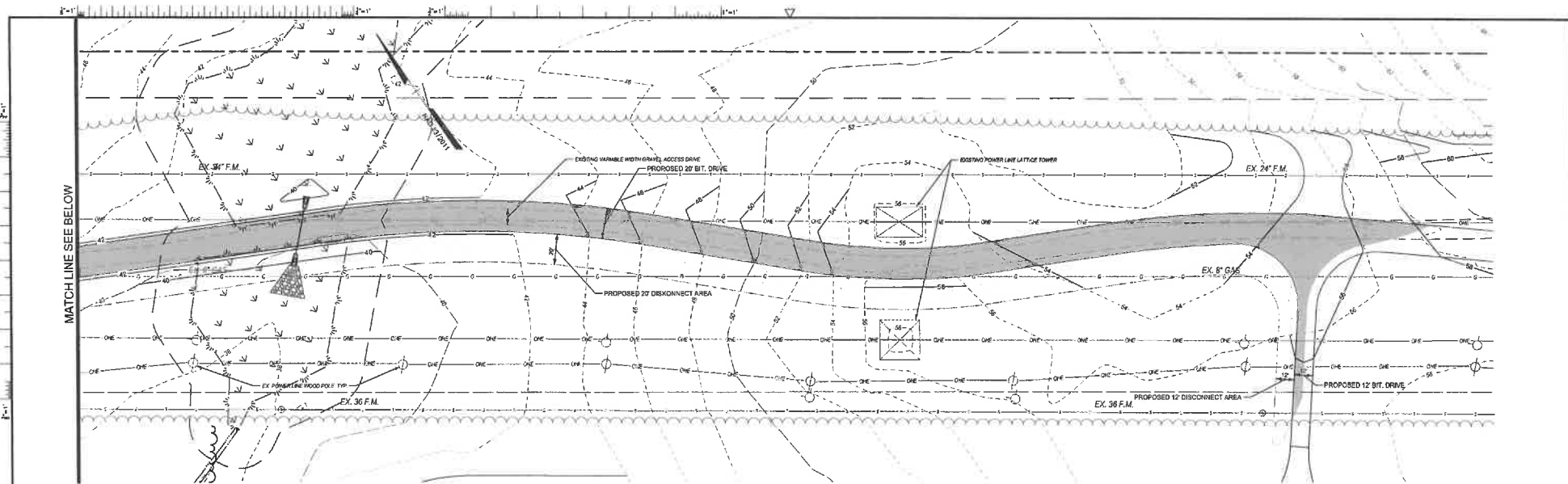
SCALE: 1"=200'

PROFESSIONAL CERTIFICATION  
I hereby certify that these documents were prepared or approved by me, and that I am a duly Licensed Professional Engineer under the laws of the State of Maryland.  
License No.: 20214      Expiration Date: 2-28-28

**KLEINFELDER**  
Bright People. Right Solutions.  
10719 Olney Road  
Hunt Valley, Maryland 21031  
Phone: 443.585.5400  
Project No. 25000754.0034

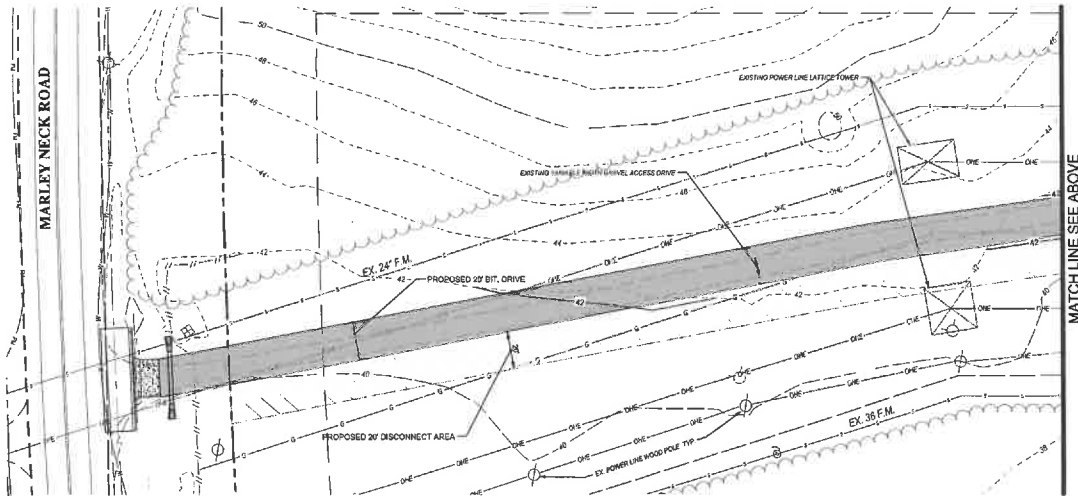
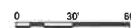
UPDATE YOUR PRINT TO REFLECT 'AS BUILT' STATE & RETURN A COPY TO THE APPLICABLE DESIGN UNIT				APPROVED		AUTOCAD		ESD FACILITIES DRAINAGE AREA MAP			
REV	DATE	ACCOUNT NO.	DESCRIPTION	PREP	ENGINEERING	PREP	ENGINEERING	BALTIMORE GAS & ELECTRIC COMPANY LOT 9 - SOUTH SOLLEY ROAD GLEN BURNIE, ANNE ARUNDEL COUNTY, MD 21066 TAX MAP: 18 PARCEL: 387 115KV SUBSTATION			
				REV	ENGINEERING	REV	ENGINEERING				
				APVD	ENGINEERING	APVD	ENGINEERING				
				DESIGN GROUP		SOLLEY SUBSTATION		ELECTRIC SUBSTATION ENGINEERING			
				DESIGNED	B.G.B.						
				DRAWN	M.S.S.						
				CHECKED	B.G.B.						
				APPROVED							
				DATE				SCALE: 1"=100'			
								SDP-007			





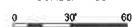
**PLAN**

SCALE: 1" = 30'



**PLAN**

SCALE: 1" = 30'



**PROFESSIONAL CERTIFICATION**

I hereby certify that these documents were prepared or approved by me, and that I am a duly Licensed Professional Engineer under the laws of the State of Maryland.

License No. 28834      Expiration Date: 2-28-26

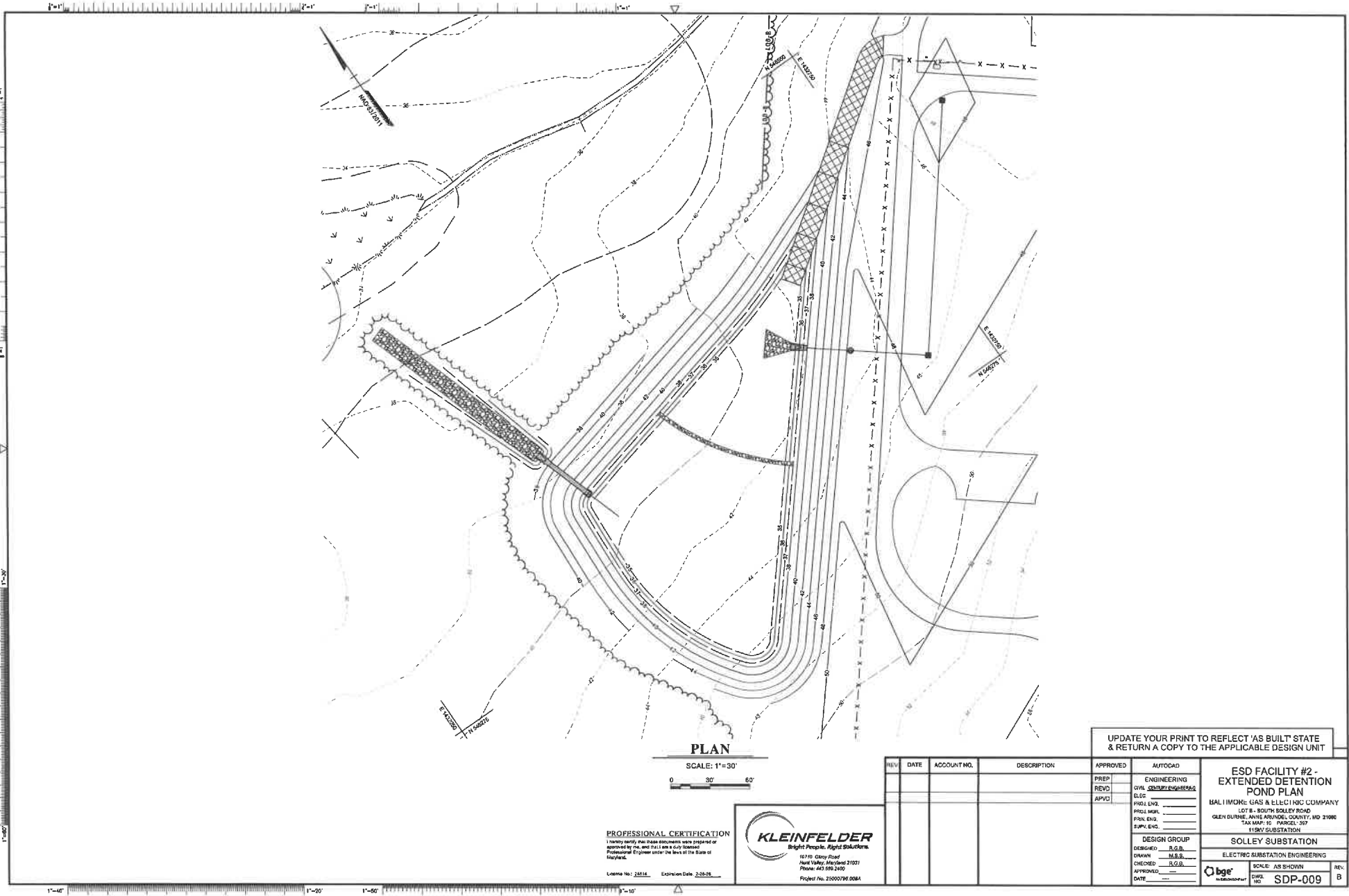
**KLEINFELDER**  
Bright People. Right Solutions.

10719 Clay Road  
Hunt Valley, Maryland 21071  
Phone: 410.585.2400  
Project No. 26000795-0084

REV	DATE	ACCOUNT NO.	DESCRIPTION

UPDATE YOUR PRINT TO REFLECT 'AS BUILT' STATE & RETURN A COPY TO THE APPLICABLE DESIGN UNIT

APPROVED	AUTOCAD
PREP	ENGINEERING
REVD	CIVIL: CENTURY ENGINEERING
APVD	ELEC
	PROJ. ENG.
	PROJ. MGR.
	PRIN. ENG.
	SUPV. ENG.
DESIGN GROUP	
DESIGNED	R.S.B.
DRAWN	M.S.S.
CHECKED	R.O.B.
APPROVED	
DATE	
<b>ESD FACILITY #1 - NON-ROOFTOP DISCONNECT</b> BALTIMORE GAS & ELECTRIC COMPANY LOT B - SOUTH SOLLEY ROAD GLEN BURTON, ANNE ARUNDEL COUNTY, MD 21060 TAX MAP 10 PARCEL 307 115KV SUBSTATION	
<b>SOLLEY SUBSTATION</b> ELECTRIC SUBSTATION ENGINEERING	
SCALE: AS SHOWN	REV. B
DWG. NO. SDP-008	



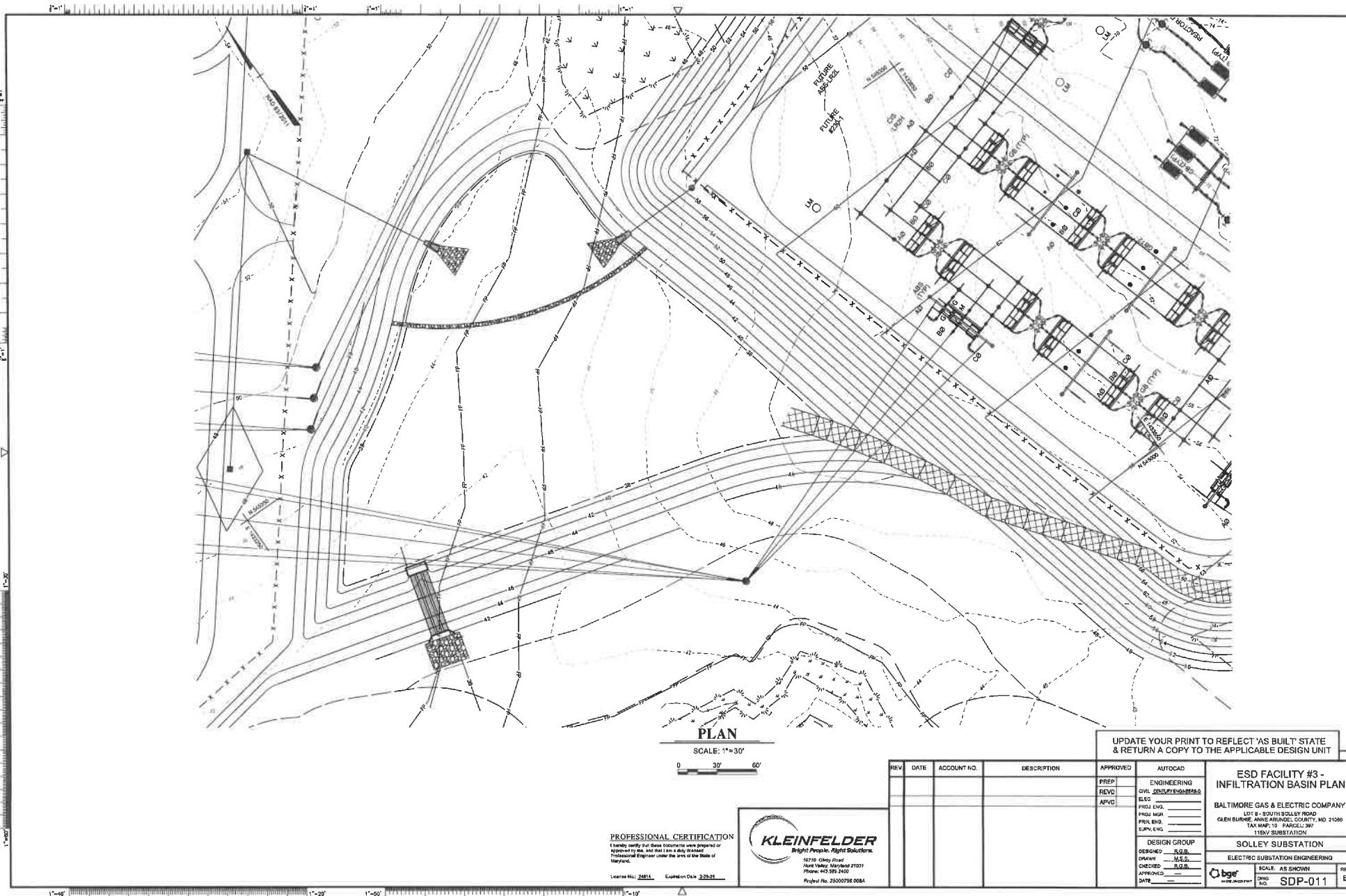
**PROFESSIONAL CERTIFICATION**  
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed Professional Engineer under the laws of the State of Maryland.  
License No. 28516      Expiration Date: 2-28-25

**KLEINFELDER**  
Bright People. Right Solutions.  
10110 Glary Road  
Rock Valley, Maryland 21021  
Phone: 443.395.2400  
Project No. 25000798.006A

REV	DATE	ACCOUNT NO.	DESCRIPTION

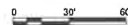
UPDATE YOUR PRINT TO REFLECT 'AS BUILT' STATE & RETURN A COPY TO THE APPLICABLE DESIGN UNIT	
APPROVED	AUTOCAD
PREP	ENGINEERING
REVD	CIVIL
APVD	SDP-009
DESIGN GROUP	
DESIGNED	A.S.B.
DRAWN	M.S.S.
CHECKED	R.G.B.
APPROVED	
DATE	
ESD FACILITY #2 - EXTENDED DETENTION POND PLAN BALTIMORE GAS & ELECTRIC COMPANY LOT B - SOUTH BOLLEY ROAD OLEN BURNING, ANNE ARUNDEL COUNTY, MD 21086 TAX MAP 15 - PARCEL 107 115KV SUBSTATION	
SOLEY SUBSTATION	
ELECTRIC SUBSTATION ENGINEERING	
SCALE: AS SHOWN	
DWG. NO. SDP-009	
REV. B	





# PLAN

SCALE: 1"=30'



## PROFESSIONAL CERTIFICATION

I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed Professional Engineer under the laws of the State of Maryland.

License No.: 24814 Expiration Date: 2-28-21

**KLEINFELDER**  
Bright People. Right Solutions.

10710 Clary Road  
Hunt Valley, Maryland 21071  
Phone: 410.585.1400  
Project No. 25000795.008A

REV	DATE	ACCOUNT NO.	DESCRIPTION

UPDATE YOUR PRINT TO REFLECT 'AS BUILT' STATE & RETURN A COPY TO THE APPLICABLE DESIGN UNIT

APPROVED	AUTOCAD
PREP	ENGINEERING
REVC	CIVIL ENGINEERING
APVD	BLDG
	PROJ. ENG.
	PROJ. MGR.
	PRIN. ENG.
	SUPV. ENG.

DESIGN GROUP	DESIGNED	B.G.B.
	DRAWN	M.S.G.
	CHECKED	B.G.B.
	APPROVED	
	DATE	

ESD FACILITY #3 - INFILTRATION BASIN PLAN	
BALTIMORE GAS & ELECTRIC COMPANY	
LOT 8 - SOUTH SOLLEY ROAD	
CROWN BURNES, ANNE ARUNDEL COUNTY, MD 21066	
TAX MAP: 19 PARCEL: 397	
115KV SUBSTATION	
SOLEY SUBSTATION	
ELECTRIC SUBSTATION ENGINEERING	
SCALE: AS SHOWN	REV. B
DATE:	SDP-011





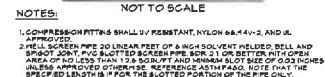





- NOTES:
1. INSTALLATION OF THE ELECTRICAL COMPONENTS (E.G. CABLES, CONDUIT) MUST BE PERFORMED BY A LICENSED ELECTRICIAN. IN PARTICULAR, ELECTRICAL SHALL BE RESPONSIBLE FOR SUBMITTING TO THE PROJECTING FROM THE SOLAR PANEL A PROPERLY CONNECTED TO THE SMART STORAGE WATER MANAGEMENT (SBWM) CONTROL, GADGET, GROUNDING AND THAT THE CONDUIT AND CABLES BEING USED IS IDENTIFIED FOR THE NEG.
  2. ALL BURIED CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF 18".
  3. CABLES SHALL BE INSTALLED WITH A MINIMUM SPACING OF 15 DEGREES FOR USE IN NET LOCATIONS AND HAVE COPPER CONDUCTORS.
  4. ALL LIFTWAT SHALL BE 1/8" X 1/8" X 1/8" HOLE AND BOLT SIZES. P. 000000
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  6. BELL END OF CONDUIT SHALL FACE THE GROUND.
  7. PULL STRINGS SHALL BE INSTALLED IN ALL CONDUIT RUNS.
  8. HOLES TO BE MADE BY THE CONTRACTOR.

### MOUNTING POLE DETAIL

SCALE: 1" = 2'



				UPDATE YOUR PRINT TO REFLECT 'AS BUILT' STATE & RETURN A COPY TO THE APPLICABLE DESIGN UNIT	
REV	DATE	ACCOUNT NO.	DESCRIPTION	APPROVED	AUTOCAD
				PREP	ENGINEERING
				REVD	CIVIL <u>GENUINE ENGINEERING</u>
				APVD	SLEC
				PROJ. ENG.	_____
				PROJ. MGR.	_____
				PRIN. ENG.	_____
				SUPV. ENG.	_____
				DESIGN GROUP	
				DESIGNED <u>R.S.</u>	
				DRAWN <u>M.S.</u>	
				CHECKED <u>R.S.</u>	
				APPROVED _____	
				DATE _____	

SMARTSWM DETAILS	
BALTIMORE GAS & ELECTRIC COMPANY	
LOT 8 - SOUTH SOLEY ROAD	
GLEN BURNE, ANNE ARDUEL COUNTY, MO 21060	
TAX MAP: 13 PARCEL: 387	
115V SUBSTATION	
SOLEY SUBSTATION	
ELECTRIC SUBSTATION ENGINEERING	
	SCALE: _____ DWG. NO. <u>SDP-014</u>
REF	

**PROFESSIONAL CERTIFICATION**  
I hereby certify that these documents were prepared or  
approved by me, and that I am a duly licensed  
Professional Engineer under the laws of the State of  
Maryland.

License No.: 34814      Expiration Date: 3-28-25

