

Case # BZA-09-25-00903 Charleston County BZA Meeting of November 3, 2025

Applicant/Property Owner: Donald E. Benjamin, Jr. of Charleston Water System

Representative: John Weldon of AECOM

Property Location: 1136 Old Towne Road – St. Andrews Area

TMS#: 418-06-00-109

Zoning District: St. Andrews Area Overlay (Community Commercial [CC])

Zoning District

Request:

Variance request to allow a 6-foot chain-linked fence within the required right-of-way buffer to secure a proposed wastewater pump station.

Requirement:

The Charleston County Zoning and Land Development Regulations Ordinance (ZLDR), Chapter 9 Development Standards, Article 9.5 Architectural and Landscape Design Standards, Sec. 9.5.2. Architectural Design Guidelines, H. Fencing

1. Any proposed Fencing that will be constructed within a Right-of-Way Buffer shall not exceed four feet in height. Chain-link, wire, and barbed wire Fencing are prohibited within the Right-of-Way Buffers. An architectural detail and Fence location plan shall be submitted to the Zoning and Planning Director for review and approval for all such Fencing.



CHAPTER 9 | DEVELOPMENT STANDARDS

ARTICLE 9.5 ARCHITECTURAL AND LANDSCAPE DESIGN STANDARDS

Sec. 9.5.2 Architectural Design Guidelines

The intent of the Architectural Design Guidelines is to assure respect for the character, integrity, and quality of the built and natural environments of the county; it is not intended to stifle innovative architecture. The following criteria shall be used in evaluating applications:

A. General Design.

- 1. Single, large Building masses shall be avoided. Structures with walls of more than 1,500 square feet incorporate fascias, canopies, arcades, Building Setbacks of three feet or more or other multidimensional design features to break up large wall surfaces on their Street-facing elevations. Wall surfaces shall be visually divided by such features into areas of 750 square feet or less. Properties in Industrial Zoning Districts shall be exempt from these standards, except for any Street-Facing Facade.
- 2. All elevations of a Structure shall be in harmony, one with another, in terms of scale, proportion, detail, material, color, and high design quality.
- 3. The side and rear elevations of Buildings shall be as visually attractive as the front elevation, especially where those side or rear elevations are most often viewed by the public. Rooflines and architectural detailing shall present a consistency in quality design. Properties in Industrial Zoning Districts shall be exempt from these standards.
- 4. All Structures within a proposed Development, including gasoline canopies, shall utilize a uniform architectural theme and shall be designed to create a harmonious whole. It is not to be inferred that Buildings must look alike to achieve a harmony of style. Harmony of style can be created through property considerations of scale, proportion, detail, materials, color, site planning, and landscaping.
- 5. The scale of Buildings and Accessory Structures (including canopies) shall be appropriate to the scale of Structures located in the surrounding area. Canopies designed as domineering or overpowering architectural features are strongly discouraged.
- 6. Long, monotonous Facade design, including, but not limited to, those characterized by unrelieved repetition of shape or form, or by unbroken extension of line, shall not be permitted.
- 7. The architectural design and material finish of Buildings, signage, gasoline pump canopies, and other necessary Structures shall be compatible with one another and with adjacent and surrounding Structures where such Structures are substantially in compliance with these requirements.
- 8. Structures that are of symbolic design for reasons of advertising shall not be permitted. A symbol or symbols attached to a Building shall not be allowed unless it is secondary in appearance to the Structure and landscape and is an aesthetic asset to the Building and surrounding area.
- 9. The location and dimension of Wall Signs shall be indicated upon the architectural elevations of proposed Structures and shall maintain compatibility with the architectural features of the Structure.

$B. \ \textbf{Building Materials.} \\$

- 1. Concrete finishes or precast concrete panels (tilt wall) that are not exposed aggregate, hammered, sandblasted or covered with a cement-based acrylic coating shall be prohibited as an exterior Building material along any Building elevation visible from public Rights-of-Way.
- 2. Metal siding shall not cover more than 40 percent of the exterior Building along any Building elevation visible from public Rights-of-Way.
- 3. Mirrored glass with a reflectance greater than 40 percent shall be prohibited from covering more than 40 percent of the exterior walls of any Building.
- 4. Materials shall express their function clearly and honestly and shall not appear as materials which are foreign to the character of the rest of the Building.



- 5. Any Building exterior elevation shall consist of architectural materials that are equal in quality, appearance, and detail to all other exterior elevations of the same Structure. Nothing in this Section shall preclude the use of different materials on different exterior elevations of the same Structure so long as those materials maintain the architectural unity and integrity of the entire Structure.
- 6. Shingles, metal standing seam, tile, or other roofing materials with similar appropriate texture and appearance shall be utilized. Flat roofs will not be discouraged where they are appropriate to the design theme of a Structure.

C. Building Color.

- 1. Color shades shall be used to unify the Development.
- 2. Color combinations of paints shall be complementary. In no case shall garish colors be permitted. In general, no more than three different colors per Building shall be allowed.
- D. **Multiple-Building Developments.** Each individual Building within a Development shall feature predominant characteristics including, but not limited to, consistent rooflines, use of compatible proportions in Building mass and outdoor spaces, complementary relationships to the Street, similar window and door patterns, and the use of complementary Building materials in terms of color, shades, and textures. Monotony of identically designed multiple Building projects shall be avoided. Variation of detail, form, and siting shall be used to provide visual interest. The use of different textures, shadow lines and contrasting shapes may also be used to provide visual interest.

E. Building Orientation.

- 1. Where it is reasonably practical, proposed Buildings shall not impede scenic rural views from the adjacent road, from existing Buildings, or from natural settings.
- 2. Buildings should be oriented in a manner that minimizes land disturbance and limits impact to the natural features on the site.
- 3. To the maximum extent feasible, primary Facades and entries should face the adjacent street. Except in Industrial districts, a main entrance shall face the adjacent Street or a connecting walkway with a direct pedestrian connection to the Street limiting crossings through Parking Lots or driveways.
- 4. Buildings shall be oriented so that loading areas shall not face Residential districts or uses, existing Rights-of-Way, or from planned future Rights-of-Way, except for properties within the IN District and for Safety Services. Loading areas may be oriented toward adjoining developed properties which are commercially zoned or toward adjoining properties eligible for future commercial Development if and only if they are screened from view by the use of fencing or Walls which are compatible with the overall architectural scheme of the project.
- 5. All corner Developments shall have Buildings located close to the corner. The majority of the parking shall be located behind the front-most Facades of the Building.
- 6. Buildings in all Developments shall address the Street with the majority of the parking to the side and rear.
- 7. All Buildings shall be sited so that a direct relationship with the primary street is established. The architecture, landscaping, and Building siting must work in concert to create a unified appearance.
- 8. Buildings shall be sited so that gasoline pump dispensers are located to the side of the Building or located behind the Building(s) so that the Building(s) is between the pumps and the primary Street or Easement Frontage. If located on a Corner Lot, the Building(s) shall be situated in the corner of the Lot at the intersection.
- 9. The following shall be required for Gasoline Service Stations without convenience stores: A combination of landscaping and architectural Wall at least four feet in height shall be required to screen the gasoline pump dispensers from the Right of Way or Easement.
- F. Mechanical Equipment and Trash Receptacle Screening. Locations of all mechanical equipment and dumpsters shall be shown on all site plans. All mechanical equipment and trash receptacles shall be shielded and screened from public view, Mechanical equipment shall be shielded with Walls, Fencing, or landscaping that entirely screens the equipment. Dumpsters shall be screened with a minimum six-foot opaque Fence or Wall on all four sides and located toward the side or rear of the Principal Structure.
- G. All order boxes, menu stands, pickup windows, and service/teller windows shall be located to the side or rear of Buildings. The majority of required vehicle stacking associated with drive-through services shall be located to the side or rear of Buildings. Any required vehicle stacking located in front of Buildings shall require an architectural wall of at least 30 inches in height to be constructed along the back edge of the Right-of-Way Buffer and span either the frontage of the property or the Building frontage plus 50 feet on each side, whichever is less. For the purpose of this Section, the side or rear shall mean the area behind a projected line running parallel from the front (Street facing) side(s) of the Structure to the side property lines. This concept is depicted in the graphic below:



Figure 9.5.2, Drive-through Equipment



H. Fencing.

- 1. Any proposed Fencing that will be constructed within a Right-of-Way Buffer shall not exceed four feet in height. Chainlink, wire, and barbed wire Fencing are prohibited within Right-of-Way Buffers. An architectural detail and Fence location plan shall be submitted to the Zoning and Planning Director for review and approval for all such Fencing.
- 2. When 10 or more parking spaces are located between the Right-of-Way and front Façade of a Building, an architectural Wall of at least 30 inches shall be required within the Right-of-Way Buffer to further screen the parking.

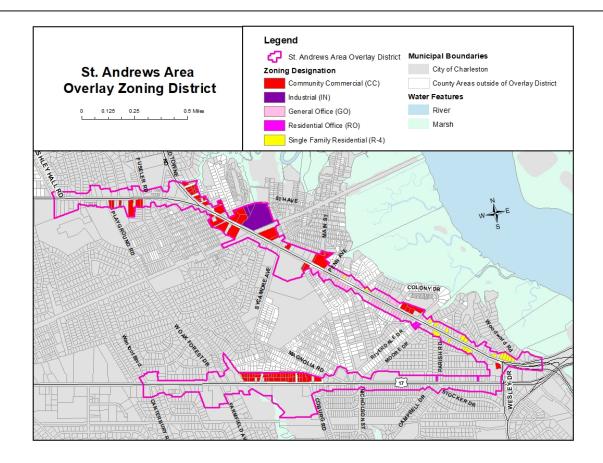
Effective on: 12/6/2022, as amended



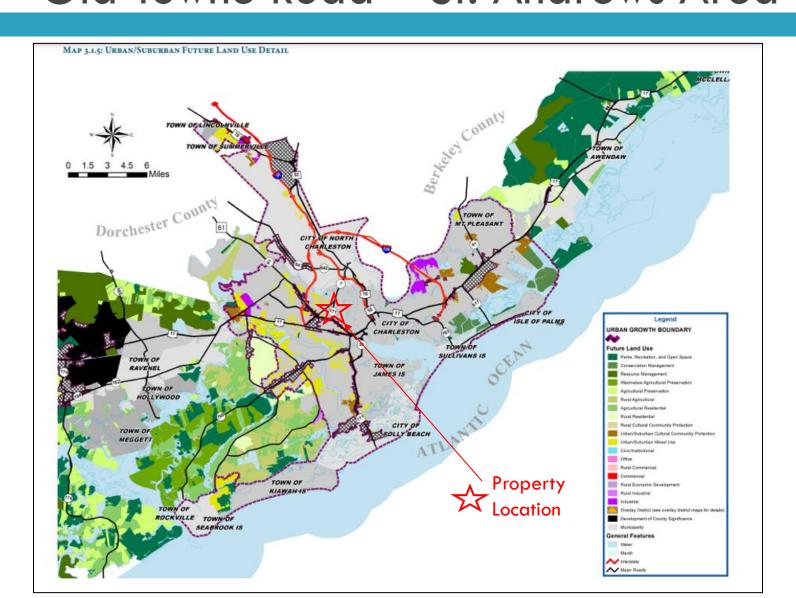
CHAPTER 5 | OVERLAY AND SPECIAL PURPOSE ZONING DISTRICTS

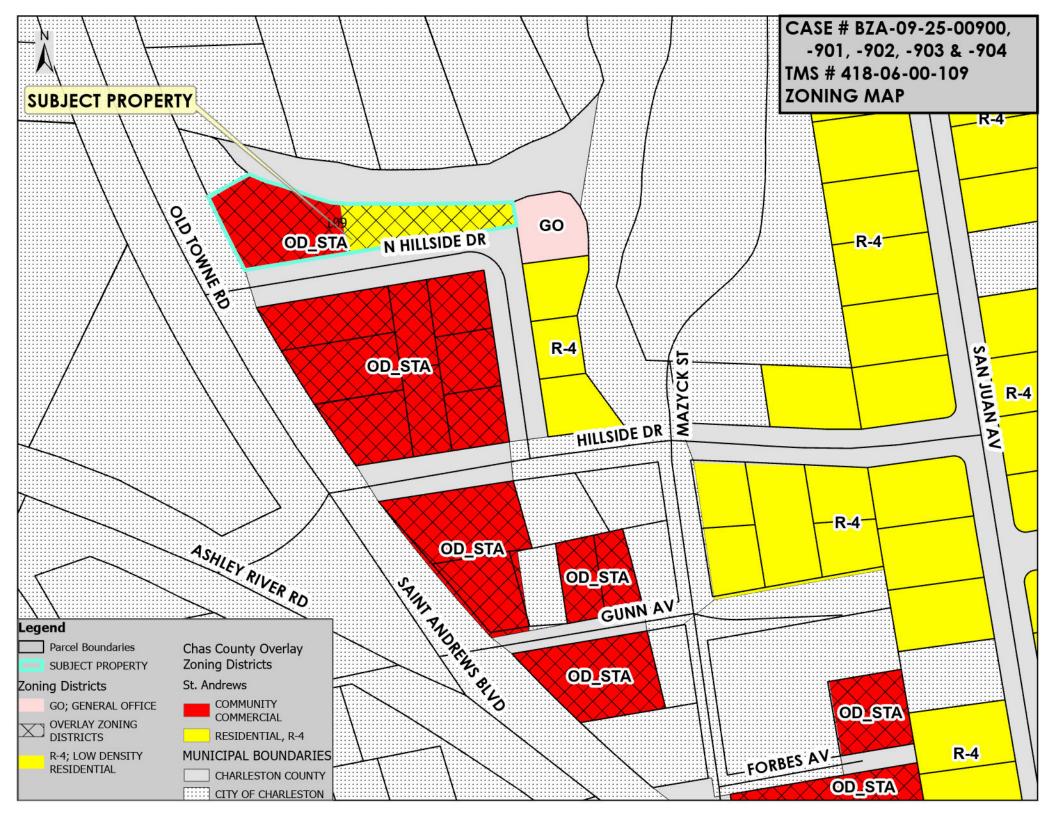
ARTICLE 5.9 ST. ANDREWS AREA OVERLAY ZONING DISTRICT

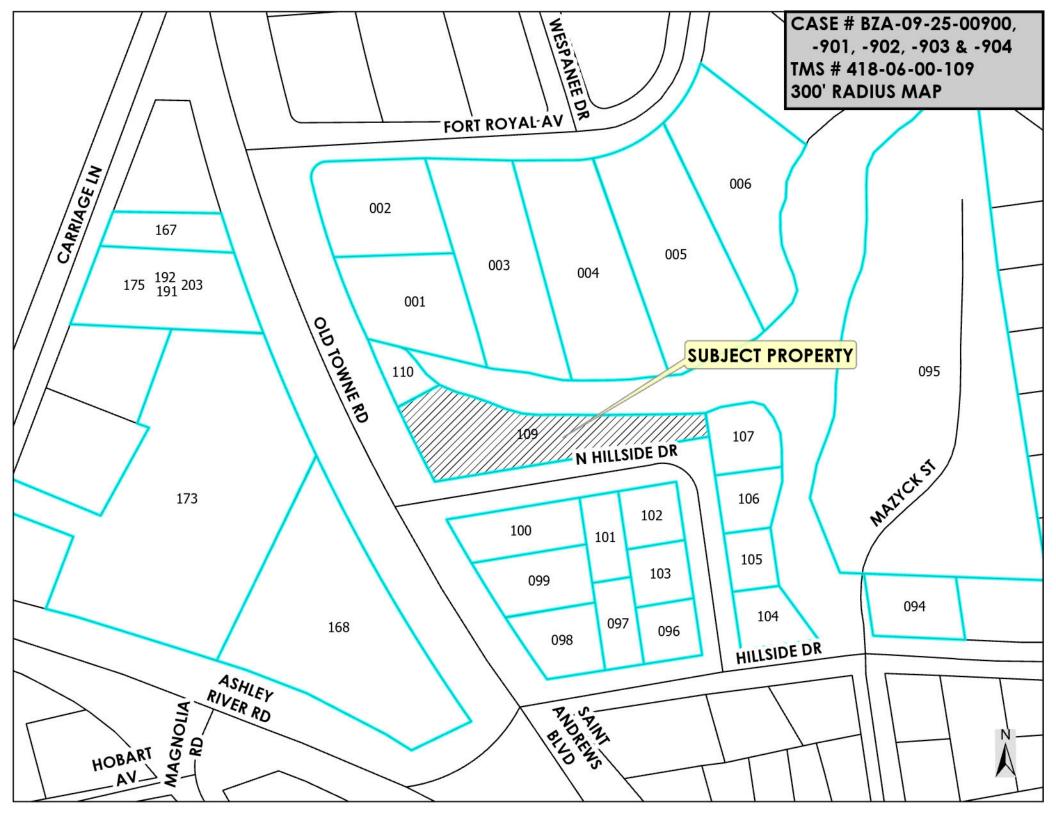
Map 5.9

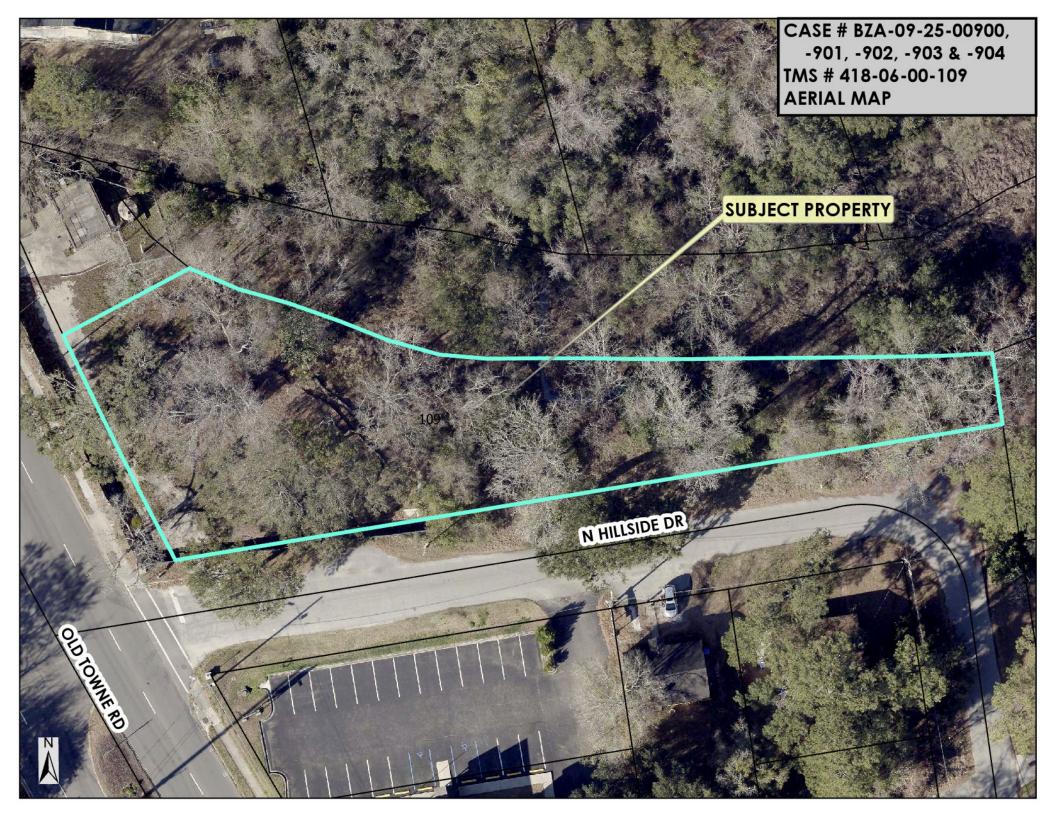


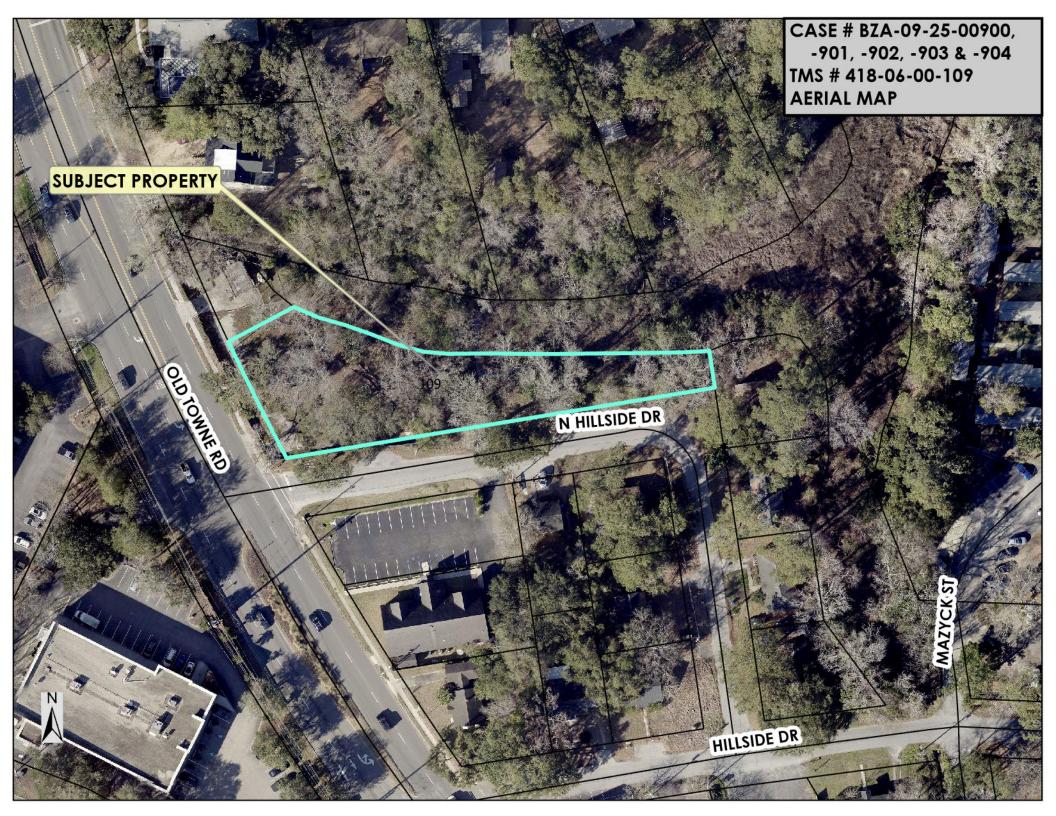
Location Map Old Towne Road – St. Andrews Area











Case # BZA-09-25-00900
BZA Meeting of November 3, 2025
Subject Property: 1136 Old Towne Road — St. Andrews Area

Proposal: Variance to encroach more than 25% of the protected root zone of a 48" DBH Grand Live Oak Tree for construction of a driveway serving a proposed wastewater pump station.



Encroach 48" DBH Live Oak B Grade per Staff Arborist





Encroach 48" DBH Live Oak B Grade per Staff Arborist

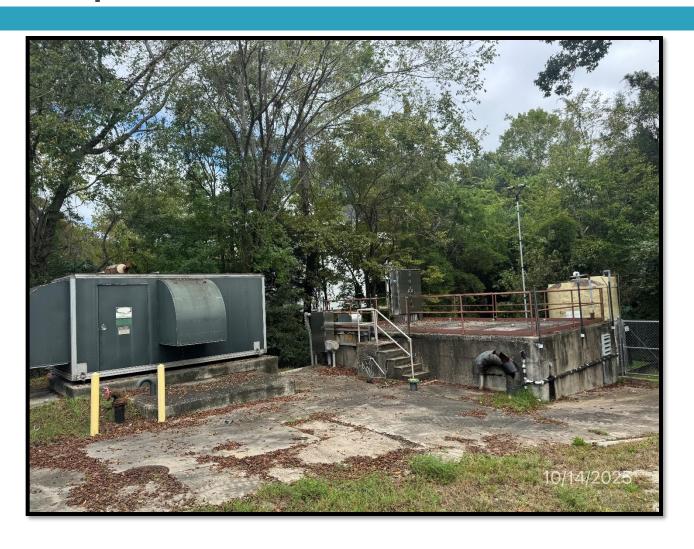


Subject Property





Adjacent Property – Existing Regional Pump Station to be Demolished



Old Towne Road





North Hillside Road





Case # BZA-09-25-00901
BZA Meeting of November 3, 2025
Subject Property: 1136 Old Towne Road — St. Andrews Area

Proposal: Variance to allow a curb cut less than 75 feet from the intersection of N Hillside Drive and Old Towne Road.



Case # BZA-09-25-00902
BZA Meeting of November 3, 2025
Subject Property: 1136 Old Towne Road — St. Andrews Area

Proposal: Variance to reduce the required 25-foot vegetated buffers.



Case # BZA-09-25-00903
BZA Meeting of November 3, 2025
Subject Property: 1136 Old Towne Road — St. Andrews Area

Proposal: Variance to allow a 6-foot chain-linked fence within the required right-of-way buffer.



Case # BZA-09-25-00904
BZA Meeting of November 3, 2025
Subject Property: 1136 Old Towne Road — St. Andrews Area

Proposal: Variance to waive the requirement to install a sidewalk along N Hillside Drive.



Staff Review:

The applicant and property owner, Donald E. Benjamin, Jr. of Charleston Water System, represented by John Weldon of AECOM, has submitted variance requests for the property identified as TMS # 418-06-00-109, located at 1136 Old Towne Road in the St. Andrews Area of Charleston County, South Carolina. The requests are associated with the development of a proposed wastewater pump station.

The applicant requests the following variances:

<u>BZA-09-25-00900:</u> Encroach more than 25% of the protected root zone of a 48" DBH Grand Live Oak Tree for construction of a driveway;

<u>BZA-09-25-00901:</u> Allow a curb cut less than 75 feet from the intersection of N Hillside **Drive and Old Towne Road** for access;

<u>BZA-09-25-00902:</u> Reduce the required vegetated buffers for the construction of a major utility service use as follows:

- North Hillside Drive: Reduce the required 25-foot buffer by 10 feet (resulting in a 15-foot buffer)
- Old Towne Road: Reduce the required 25-foot buffer by 15 feet (resulting in a 10-foot buffer);

<u>BZA-09-25-00903:</u> Allow a 6-foot chain-linked fence within the required right-of-way buffer to secure the pump station; and

<u>BZA-09-25-00904:</u> Waive the requirement to install a sidewalk along N Hillside Drive.

The subject property is currently under Site Plan Review (ZSPR-02-25-01125) for the proposed wastewater pump station. The parcel and adjacent properties to the south are located within the St. Andrews Area Overlay Zoning District, with an underlying Community Commercial (CC) zoning designation. The adjacent property to the north (TMS #418-06-00-110) lies within the City of Charleston's jurisdiction and contains an existing wastewater pump station that will be demolished upon completion of the new facility.

The applicant's letter of intent explains, "Charleston Water System (CWS) is proposing to demolish and relocate the existing regional Pump Station 39 (PS 39) on adjacent parcels along Old Towne Road in West Ashley, SC to provide reliable and essential wastewater service to the surrounding community. PS 39 is a critical public utility facility that must be located near the existing pump station to continue to serve the existing system, protect public health, and support future growth. Due to the unique size, configuration, and location of the parcels, as well as the engineering and operational requirements of a regional pump station, several zoning variances are necessary to accommodate the project. Granting these variances will allow Charleston

Water System to construct and operate essential public infrastructure on the subject property while minimizing impacts to surrounding properties and maintaining consistency with the overall intent of the zoning ordinance and Comprehensive Plan."

Applicant's request -00900:

Tree/LO Encroachment — The requested variance for the tree protection limits, and no disturbance zone are shown on the plans. See sheet COO.30. The 3 times DBH no disturbance zone can be adhered to but the 1' per DBH tree protection cannot be due to the width of the driveway. CWS is requesting a variance to place the tree protection at 3 times DBH along with the no disturbance zone. Minor encroachment into the buffer zone is required to accommodate essential infrastructure. Tree protection measures will be implemented to minimize impacts.

ZLDR requirement -00900:

The Charleston County Zoning and Land Development Regulations Ordinance (ZLDR), Chapter 9 Development Standards, Article 9.2 Tree Protection and Preservation, Sec. 9.2.4.E. Required Tree Protection states, "Limited encroachments into the area located within Tree barricades may be allowed by the Zoning and Planning Director provided that encroachments do not constitute more than 25 percent of the protected area beneath a Tree and do not occur in the area located within three times the DBH in inches from the trunk of the Tree unless otherwise approved by the BZA. Any paving, Grading, trenching, or filling of the protected area must be pre-approved by the Zoning and Planning Director or the Board of Zoning Appeals, as required by this Ordinance, and may require specific construction techniques to preserve the health of the Tree. When grading and construction within the protected area of a Tree has been approved, all damaged roots shall be severed clean."

Applicant's request -00901:

Curb Cut Setback — CWS is requesting a variance for the curb cut 75' from the street intersection on N Hillside Dr at Old Towne Rd for the proposed PS 39 entrance. The proposed driveway is located approximately 40' east from the Old Towne Rd. The proposed driveway radius must be large enough for a semi- truck to drive through the site for staging during weather emergencies. Shifting the proposed driveway 75' from the intersection would require the 48" LO tree to be removed. The proposed site will not have daily traffic since no employees will be working there on a daily basis.

ZLDR requirement -00901:

Chapter 5 Overlay and Special Purpose Zoning Districts, Article 5.9 St. Andrews Area Overlay Zoning District, Sec. 5.9.6 Development Standards and Requirements, A. Vehicle Access,

2. Proposed new access drives shall be located a minimum distance of 75 feet from any existing street intersection as measured from the edge of the intersecting Roadway to the beginning of the driveway radius.

Applicant's request -00902:

Landscape Buffer Reduction — CWS is requesting a variance to reduce the setback requirements. CWS proposes a 15' setback along North Hillside Drive and a 10' setback along Old Towne Road with landscape buffers included. See sheet L01.00. Due to the site constraints, including the presence of wetlands, significant slopes, the necessity to avoid designated flood zones and keeping the electrical equipment out of the flood plain, the available space to construct this critical infrastructure is extremely limited. These factors make it challenging to accommodate the required 25' landscape buffer while ensuring the facility operates efficiently and remains accessible for maintenance and emergency response.

ZLDR requirement -00902:

Chapter 6 Use Regulations, Article 6.1 Use Types and Use Table, Sec. 6.1.2 Uses Subject to Conditions,

A "C" indicates that a use type is allowed in the respective Zoning District only if it complies with use-specific conditions and all other applicable regulations of this Ordinance. The number provides a cross-reference to the use-specific conditions contained in this Chapter.

Sec. 6.1.6 Table 6-1-1, Use Table and Article 6.4 Use Conditions: The table indicates that Major Utility Service is a use subject to conditions in the Community Commercial (CC) Zoning District.

Sec. 6.4.17.B.2. Utility Service, Major: Above ground Structures that have a cumulative area of greater than 100 square feet established in connection with Utility Substations, Electrical or Telephone Switching Facility, Sewage Collector or Trunk Lines, or Utility Pumping Station shall have a vegetated buffer of 25 feet from all property lines, or the minimum Setback of the base Zoning District, whichever is greater.

"Utility Service, Major" Facilities and Structures that are necessary for the generation, transmission, and/or distribution of utilities to support principal Development, such as Electric or Gas Power Generation Facilities, Electrical or Telephone Switching Facilities, Utility Substations, Utility Pumping Stations, Sewage Collection or Disposal Facilities, Water or Sewage Treatment Plants, Water Storage Tanks, Sewage Collector or Trunk Lines, Water Mains, Wind Farms, and similar facilities. This definition does not include Solar Farms as defined by this Ordinance.

Treatment Plants, Water Storage Tanks, Sewage Collector or Trunk Lines, Water Mains, Wind Farms, and similar facilities. This definition does not include Solar Farms as defined in this Ordinance.

Chapter 9 Development Standards, Article 9.4 Landscaping, Screening, and Buffers, Sec. 9.4.4 Landscape Buffers, Table 9.4.4-3, Buffer Depth and Landscaping Standards

Applicant's request -00903:

Fencing within Buffer — CWS is requesting a variance for the 6' tall site fencing that would be relocated on the proposed variance buffer line. The fence height is required to prevent unauthorized personnel access to the critical infrastructure. There will be green vinyl slats between the chain links.

ZLDR requirement -00903:

Chapter 9 Development Standards, Article 9.5 Architectural and Landscape Design Standards, Sec. 9.5.2. Architectural Design Guidelines, H. Fencing

 Any proposed Fencing that will be constructed within a Right-of-Way Buffer shall not exceed four feet in height. Chain-link, wire, and barbed wire Fencing are prohibited within the Right-of-Way Buffers. An architectural detail and Fence location plan shall be submitted to the Zoning and Planning Director for review and approval for all such Fencing.

Applicant's request -00904:

Sidewalk Requirement — CWS is requesting a variance for the sidewalk along Hillside Drive to not install one. The proposed pump station will not have daily employees on site and the residential neighborhood adjacent to the site doesn't currently have any sidewalks.

ZLDR requirement -00904:

Chapter 9 Development Standards, Article 9.3 Off-Street Parking and Loading, Sec. 9.3.11 Pedestrian Ways

- A. Where Required. Pedestrian ways shall:
- 1. Be provided in all non-residential Development and Major Subdivisions within the Urban and Suburban Areas of the County; and
- 2. Link surrounding Roadways with Building entrances and between the proposed Development and uses on adjoining Lots.

A site visit was conducted by staff on October 14, 2025. Additional information pertaining to this request is provided in the attached materials.

Planning Director Review and Report regarding Approval Criteria of §3.10.6:

§3.10.6(1): There are extraordinary and exceptional conditions pertaining to the particular piece of property;

Response:

There are extraordinary and exceptional conditions pertaining to the 0.52-acre subject property. The parcel contains multiple site-specific constraints, including the presence of a 48-inch DBH Grand Live Oak Tree, limited frontage at a key intersection, and mandatory vegetated buffers that significantly reduce the developable area. These constraints are unique due to the property's location, existing natural features, and the

functional design requirements associated with constructing a wastewater pump station. The applicant's letter of intent states, "The subject property is uniquely constrained due to its limited size, irregular topography, and the necessity to accommodate essential public utility infrastructure to the West Ashley area. Unlike typical private development, the placement and design of a pump station is dictated by engineering, hydraulics, and public health requirements, rather than site preference. Existing gravity sewer and force main lines go to the existing PS site already and relocating them on a property "down the street", isn't a viable option. An adjacent parcel is required to build the proposed PS and keep the existing PS operational during construction. The existing PS 39 is old, deteriorating and has to be replaced soon to maintain sewer services to the surrounding West Ashley Area." Therefore, the request meets this criterion.

§3.10.6(2):

These conditions do not generally apply to other property in the vicinity;

Response:

These conditions do not generally apply to other properties in the vicinity. The combination of a large, protected 48-inch DBH Grand Live Oak Tree, limited site frontage, proximity to a roadway intersection, and infrastructure placement requirements for a major utility service facility make this property distinct. Adjacent parcels are not similarly constrained by the presence of significant protected trees or the operational limitations inherent to siting essential wastewater infrastructure. The applicant's letter of intent states, "These conditions are unique to the subject property and project. Other properties in the vicinity do not have critical public wastewater infrastructure built on them nor can this project be built on them since the existing sewer system already flows there by gravity." Therefore, the request meets this criterion.

§3.10.6(3):

Because of these conditions, the application of this Ordinance to the particular piece of property would effectively prohibit or unreasonably restrict the utilization of the property;

Response:

The application of this Ordinance to the subject property would unreasonably restrict the utilization of the property. Strict compliance with vegetated buffer requirements, tree protection standards, and access regulations would prevent or severely constrain the construction and operation of the proposed wastewater pump station. The requested variances are therefore necessary to allow for essential public utility infrastructure. The applicant's letter of intent states, "The County's ordinances would prevent the property from being used as a public utility pump station. The variances requested would allow the property to be used as essential infrastructure and provide a workable layout for future maintenance. Without the variances being approved, the project could not proceed, and the property would not serve its intended public purpose of providing sanitary sewer to the surrounding West Ashley area." Therefore, the request <u>meets</u> this criterion.

§3.10.6(4): The authorization of a variance will not be of substantial detriment to adjacent property or to the public good, and the character of the zoning

district will not be harmed by the granting of the variance;

Response:

Authorization of these variance requests is not expected to cause substantial detriment to adjacent properties or to the public good, nor is it anticipated to harm the character of the zoning district. The proposed wastewater pump station is a major utility service facility with minimal daily occupancy. The requested variances, including tree encroachment, reduced buffers, curb cut proximity, fence placement, and sidewalk waiver, are designed to maintain safety. Staff finds no evidence that granting these variances would substantially harm adjacent properties or the surrounding zoning district. The applicant's letter of intent states, "Granting the proposed variances will not harm adjacent properties, the public good, or the character of the zoning district. The pump station and related improvements will improve public health, safety, and wastewater service reliability. Impacts such as fencing and buffer encroachment will be minimized and mitigated through landscaping and tree protection measures. The existing PS 39 is already located there, and the proposed PS 39 will be constructed on the adjacent property." Therefore, the request meets this criterion.

§3.10.6(5):

The Board of Zoning Appeals shall not grant a variance the effect of which would be to allow the establishment of a use not otherwise permitted in a zoning district, to extend physically a nonconforming use of land, or to change the zoning district boundaries shown on the official zoning map. The fact that property may be utilized more profitably, should a variance be granted, may not be considered grounds for a variance;

Response:

The requested variances do not allow a use that is not permitted in this zoning district, nor do they extend physically a nonconforming use of land or change the zoning district boundaries. Therefore, the request <u>meets</u> this criterion.

§3.10.6(6):

The need for the variance is not the result of the applicant's own actions;

Response:

The need for the requested variances is not the result of the applicant's own actions. The applicant's letter of intent states, "The need for the

variances is not the result of the applicant's own actions, but rather the result of the parcel's constraints, engineering requirements, and the site requirements needed for the construction of a new PS. The new PS must be located near the existing PS, meet the design regulations of the permitting agencies, have a construct-able design and meet the operational requirements needed to keep wastewater services functioning for the West Ashley area." Therefore, the request meets this criterion.

§3.10.6(7): Granting of the variance does not substantially conflict with the Comprehensive Plan or the purposes of the Ordinance;

Response: Granting the requested variances does not substantially conflict with the Charleston County Comprehensive Plan or the purposes of the Zoning Ordinance. The Comprehensive Plan encourages the provision of essential public utilities. Staff finds no substantial conflict with the Comprehensive Plan or the Zoning Ordinance purposes. In addition, the applicant's letter of intent states, "The variances requested do not substantially conflict with the Charleston County Comprehensive Plan or the purposes of the Ordinance. The Comprehensive Plan prioritizes public health, safety, and provision of reliable infrastructure, all of which are furthered by this project. The variances requested are minor, site-specific adjustments that allow the project to proceed while maintaining the overall intent of the ordinance." Therefore, the request meets this

Board of Zoning Appeals' Action:

criterion.

According to Article 3.10 Zoning Variances, Section §3.10.6 Approval Criteria of the Charleston County Zoning and Land Development Regulations Ordinance (ZLDR), (adopted July 18, 2006), The Board of Zoning Appeals has the authority to hear and decide appeals for a Zoning Variance when strict application of the provisions of this Ordinance would result in unnecessary hardship (§3.10.6A). A Zoning Variance may be granted in an individual case of unnecessary hardship if the Board of Zoning Appeals makes and explains in writing their findings (§3.10.6B Approval Criteria).

In granting a variance, the Board of Zoning Appeals may attach to it such conditions regarding the location, character, or other features of the proposed building or structure as the Board may consider advisable to protect established property values in the surrounding area or to promote the public health, safety, or general welfare (§3.10.6C). The Board of Zoning Appeals may approve, approve with conditions or deny Case #BZA-09-25-00900, -00901, -00902, -00903, and -00904 [Variance requests for the proposed wastewater pump station at 1136 Old Towne Road (TMS # 418-06-00-109) in the St.

Andrews Area of Charleston County] based on the BZA's "Findings of Fact", unless additional information is deemed necessary to make an informed decision.

In the event the BZA decides to approve the application, Staff recommends the following conditions:

- 1. Prior to zoning permit approval, the applicant shall complete the site plan review process.
- 2. Tree barricades constructed of chain link fencing shall be installed around all protected trees within 40 feet of disturbance prior to any construction, pursuant to Sec. 9.2.4 of the ZLDR.
- The applicant shall retain a Certified Arborist to monitor and treat all Grand Trees within 40 feet of disturbance throughout construction. A copy of the Tree Preservation Plan shall be submitted to Zoning Staff for review and approval prior to Zoning Permit issuance.
- 4. If the 48-inch DBH Live Oak Tree dies within three (3) years from the date the wastewater pump station is constructed, the applicant shall mitigate the tree as follows:
- (a) Submit a mitigation plan for review and approval indicating the installation of canopy trees no smaller than 2.5 inches in caliper, providing inch-for-inch replacement;
- (b) Deposit funds into the Charleston County Tree Fund as described in Sec. 9.2.6 of the ZLDR; or
- (c) A combination of (a) and (b).
 Mitigation shall be completed prior to the removal of the dead tree.
- 5. The applicant shall work with staff to explore materials other than chain-link fencing to provide opaque screening that is visually compatible with the surrounding residential areas.

Staff Recommendation:

Based on the review of the applicant's request and analysis of the §3.10.6 Variance Approval Criteria, staff finds that the requested variances for the proposed wastewater pump station at 1136 Old Towne Road (TMS #418-06-00-109) generally meet the criteria for approval.

The property is uniquely constrained by site-specific conditions, including the presence of a 48-inch DBH Grand Live Oak Tree, limited frontage at a key intersection, mandatory vegetated buffers, and the operational requirements of a public utility facility. Strict adherence to all zoning standards would limit or prevent the construction and operation of the pump station, which is necessary to maintain public health, safety, and sanitary sewer services to the West Ashley area. Ultimately, approving the variances supports the Charleston County Comprehensive Plan by facilitating the development of essential public infrastructure.

Therefore, staff recommends approval of the variances, subject to conditions that ensure the project proceeds in a manner that protects trees and provides appropriate screening and oversight consistent with County standards.

ZONING VARIANCE APPLICATION Charleston County Board of Zoning Appeals (BZA)

Property Information						
Subject Property Address: 1208 Old Towne Road & 1136 Old Towne Road, Charleston, SC 29407-6063						
Tax Map Number(s): 418-06-00-109 & 418	-06-00-110					
Current Use of Property: Existing regional F	S 39 owned and mai	ntained by (CWS (TMS i	#418-06-00-110)		
Proposed Use of Property: Install new region	al PS 39 (TMS#418-0	6-00-109) an	ıd demolish t	he existing PS (TMS #418-06-00-110)		
Zoning Variance Description: See Attached. Appendix A.						
Applicant Information (Required)						
Applicant Name (please print): Donald E. B	enjamin, Jr.					
Name of Company (if applicable): Charleston Water System						
Mailing Address						
City:	State:			Zip Code:		
Email Address:			Phone #:			
Applicant Signature: Date: 8/21/25						
Representative Information (Complete	only if applicable. Atto	rney, Builder	Engineer S	urveyor etc.)		
Print Representative Name and Name of Con	npany: AECOM					
Mailing Address:						
City:	State:		z	ip Code:		
Email Address:			Phone #:			
Designation of Agent (Complete only if t	he Applicant listed abo	ve is not the	Property Ow	ner.)		
I hereby appoint the person named as Applicant and/or Representative as my (our) agent to represent me (us) in this application.						
Property Owner(s) Name(s) (please print):						
Name of Company (if applicable, LLC etc.):						
Property Owner(s) Mailing Address:						
City:	State:	Zip Code:		Phone #:		
Property Owner(s) Email Address:						
Property Owner(s) Signature: Date:						
FOR OFFICE USE ONLY:						
Zoning District: D - STA Flood Zone: AE-II (511k) Date Filed: 929 25 Fee Paid: 5250						
Application #: BZA-09.25-00903 TMS #: 418-06-00-109 Staff Initials:						

Description of Request

supporting materials that are applicable to your request (photographs, letter of support, etc.)	, ,
Several variances are being proposed. See Appendix A.	
Applicant's response to Article 3.10 Zoning Variances, §3.10.6 Approval Criteria	

Please describe your proposal in detail. You may attach a separate sheet if necessary. Additionally, you may provide any

Zoning Variances may be approved only if the Board of Zoning Appeals finds that the proposed use meets all 7 of the approval criteria. In evaluating your request, the members of the board will review the answers below as a part of the case record. You may attach a separate sheet if necessary.

1. Are there extraordinary and exceptional conditions pertaining to the subject property? Explain:

Yes. The subject property is uniquely constrained due to its limited size, irregular topography, and the necessity to accommodate essential public utility infrastructure to the West Ashley area. Unlike typical private development, the placement and design of a pump station is dictated by engineering, hydraulics, and public health requirements, rather than site preference. Existing gravity sewer and force main lines go to the existing PS site already and relocating them on a property "down the street", isn't a viable option. An adjacent parcel is required to build the proposed PS and keep the existing PS operational during construction. The existing PS 39 is old, deteriorating and has to be replaced soon to maintain sewer services to the surrounding West Ashley Area.

2. Do these conditions generally apply to other property in the vicinity or are they unique to the subject property? Explain:

These conditions are unique to the subject property and project. Other properties in the vicinity do not have critical public wastewater infrastructure built on them nor can this project be built on them since the existing sewer system already flows there by gravity.

3. Because of these extraordinary and exceptional conditions, would the application of this Ordinance to the subject property effectively prohibit or unreasonably restrict the utilization of the property? Explain:

Yes. The County's ordinances would prevent the property from being used as a public utility pump station. The variances requested would allow the property to be used as essential infrastructure and provide a workable layout for future maintenance. Without the variances being approved, the project could not proceed and the property would not serve its intended public purpose of providing sanitary sewer to the surrounding West Ashley area.

as fe exis	encing and buffer encroachment will be minimized and mitigated through landscaping and tree protection measures. The ting PS 39 is already located there and the proposed PS 39 will be constructed on the adjacent property.
5.	The BZA shall not grant a variance the effect of which would be to allow the establishment of a use not otherwise permitted in a zoning district, to extend physically a Nonconforming Use of land, or to change the zoning district boundaries shown on the Official Zoning Map. The fact that property may be utilized more profitably if a Zoning Variance is granted shall not be considered grounds for granting a Zoning Variance. Does the variance request meet this criterion?
	The proposed variances do not permit a new or prohibited use, extend a nonconforming use, or change zoning daries. The proposed use is a permitted public utility facility and remains consistent with the zoning designation.
6.	Is the need for the variance the result of your own actions? Explain:
engin near t	he need for the variances is not the result of the applicant's own actions, but rather the result of the parcel's constraints, eering requirements, and the site requirements needed for the construction of a new PS. The new PS must be located he existing PS, meet the design regulations of the permitting agencies, have a construct-able design and meet the tional requirements needed to keep wastewater services functioning for the West Ashley area.
7.	Does the variance substantially conflict with the Charleston County Comprehensive Plan or the purposes of the Ordinance? Explain
the or are fu	The variances requested do not substantially conflict with the Charleston County Comprehensive Plan or the purposes of redinance. The Comprehensive Plan prioritizes public health, safety, and provision of reliable infrastructure, all of which urthered by this project. The variances requested are minor, site-specific adjustments that allow the project to proceed maintaining the overall intent of the ordinance.
cha	granting a variance, the Board of Zoning Appeals may attach to it such conditions regarding the location, iracter, or other features of the proposed building or structure as the Board may consider advisable to protect ablished property values in the surrounding area or to promote the public health, safety, or general welfare.

Will the authorization of a variance be a substantial detriment to adjacent property or to the public good? Will

No. Granting the proposed variances will not harm adjacent properties, the public good, or the character of the zoning district. The pump station and related improvements will improve public health, safety, and wastewater service reliability. Impacts such

the character of the zoning district be harmed if this variance is granted? Explain:

4.



Variances Requested Pump Station No. 39 Replacement Charleston Water System CPW Job No. 2022000370; AECOM Project No. 60695962

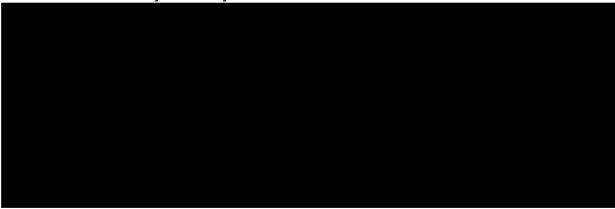
Charleston Water System (CWS) is proposing to demolish and relocate the existing regional Pump Station 39 (PS 39) on adjacent parcels along Old Towne Road in West Ashley, SC to provide reliable and essential wastewater service to the surrounding community. PS 39 is a critical public utility facility that must be located near the existing pump station to continue to serve the existing system, protect public health, and support future growth.

Due to the unique size, configuration, and location of the parcels, as well as the engineering and operational requirements of a regional pump station, several zoning variances are necessary to accommodate the project. The variances being requested for approval include the following:

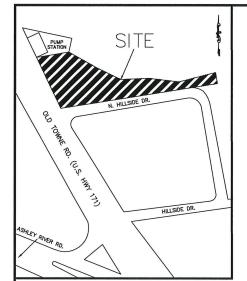
- 1. Tree/LO Encroachment The requested variance for the tree protection limits, and no disturbance zone are shown on the plans. See sheet C00.30. The 3 times DBH no disturbance zone can be adhered to but the 1' per DBH tree protection cannot be due to the width of the driveway. CWS is requesting a variance to place the tree protection at 3 times DBH along with the no disturbance zone. Minor encroachment into the buffer zone is required to accommodate essential infrastructure. Tree protection measures will be implemented to minimize impacts.
- 2. Curb cut Setback CWS is requesting a variance for the curb cut 75' from the street intersection on N Hillside Dr at Old Towne Rd for the proposed PS 39 entrance. The proposed driveway is located approximately 40' east from the Old Towne Rd. The proposed driveway radius must be large enough for a semi-truck to drive through the site for staging during weather emergencies. Shifting the proposed driveway 75' from the intersection would require the 48" LO tree to be removed. The proposed site will not have daily traffic since no employees will be working there on a daily basis.
- 3. Landscape Buffer Reduction CWS request a variance to reduce the setback requirements. CWS proposes a 15' setback along North Hillside Drive and a 10' setback along Old Towne Road with landscape buffers included. See sheet

L01.00. Due to the site constraints, including the presence of wetlands, significant slopes, the necessity to avoid designated flood zones and keeping the electrical equipment out of the flood plain, the available space to construct this critical infrastructure is extremely limited. These factors make it challenging to accommodate the required 25' landscape buffer while ensuring the facility operates efficiently and remains accessible for maintenance and emergency response.

- 4. **Fencing within Buffer** CWS is requesting a variance for the 6' tall site fencing that would be relocated on the proposed variance buffer line. The fence height is required to prevent unauthorized personnel access to the critical infrastructure. There will be green vinyl slats between the chain links.
- 5. **Sidewalk Requirement** CWS is requesting a variance for the sidewalk along Hillside Drive to not install one. The proposed pump station will not have daily employees on site and the residential neighborhood adjacent to the site doesn't currently have any sidewalks.



Granting these variances will allow Charleston Water System to construct and operate essential public infrastructure on the subject property while minimizing impacts to surrounding properties and maintaining consistency with the overall intent of the zoning ordinance and Comprehensive Plan.



E

TOWNE

(V.S.

· 171) (100°

CONC. COLUMN

8" CLAY IE=8.21

8" CLAY IE=8.49'

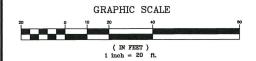
B CLAY

LOCATION MAP NOT TO SCALE

LEGEND	
FRESHWATER WETLAND LINE	
CALCULATED POINT	◬
IRON PIPE SET	0
IRON PIPE FOUND	•
SEWER LINE	ss
OVERHEAD WIRE	онж
WATER METER	€
SEWER MANHOLE	S
WATER VALVE	××
FIRE HYDRANT	*
POWER POLE	○ PP
GUY WIRE	GW _O
TREE (AS DESCRIBED)	Ф
CRIMP TOP PIPE FOUND	CTPF
REBAR FOUND	RBF
OPEN PIPE FOUND	OPF
6' CHAIN LINK FENCE	-00

4' CHAIN LINK FENCE

	LINE TABLE				
LINE	DIRECTION	LENGTH	LINE	DIRECTION	LENGTH
L1	NO9' 17' 33"W	25.82	L11	N67" 32" 20"W	18.43
L2	S39 53' 15"E	6.16	L12	554' 04' 48"W	22.44
L3	N59' 52' 17"W	37.81	L13	N49' 04' 08"W	10.89
L4	N66' 57' 47"W	19.61	L14	N75" 17" 59"W	9.15
L5	N68' 01' 06"W	33.48	L15	S82' 05' 56"W	29.23
L6	N69' 07' 35"W	18.51	L16	582' 58' 11"W	20.80
L7	N82' 48' 42"W	25.85	L17	575' 47' 06"W	12.90
L8	N85' 11' 31"W	38.29	L18	545' 19' 42"W	16.29
L9	585' 06' 04"W	19.13	L19	N63" 30" 57"W	6.92
L10	N86' 35' 55"W	11.36	L20	N60' 32' 11"W	10.43



GENERAL PROPERTY SURVEY (TOPOGRAPHIC)

I, hereby state that to the best of my knowledge, information and belief, the survey shown hereon was made in accordance with the requirements of the Minimum Standards Manual for the Practice of Land Surveying in South Carolina, and meets or exceeds the requirements for a Class _A_ survey as specified therein."



04/28/2022 COURTLAND T. MURRAY P.L.S. S.C. No.38065 COMMISSIONERS OF PUBLIC WORKS, CITY OF CHARLESTON P.O. DRAWER B, 103 ST. PHILIP ST. CHARLESTON, S.C. 29402 (843) 727-6859



PUMP STATION #39 PROPERTY OF CPW TMS #418-06-00-110

PROPERTY OF COMMISSIONERS OF PUBLIC WORKS OF THE CITY OF CHARLESTON LOT 10, TMS #418-06-00-109

TREE AND TOPOGRAPHIC SURVEY SHOWING LOT 10, TMS#418-06-00-109 IN HILLSIDE SUBDIVISION

OWNED BY COMMISSIONERS OF PUBLIC WORKS OF THE CITY OF CHARLESTON LOCATED IN ST. ANDREWS PARISH CHARLESTON COUNTY, SOUTH CAROLINA DATE SURVEYED: JUNE 16, 2021 SCALE 1"=20'

FRESHWATER MARSH

EDGE HIGHLAND/WETLAND THE LINE PER PB.Q PG. 74

TOP OF BANK

NORTH HILLSIDE DRIVE (50' R/W)

NBI 00' 46"E 49.91' NBO 49' 08"E 74.96' 1° CTPF X

LOT 18 TMS #418-06-00-101

LOT 17 TMS #418-06-00-102

LOT 7 TMS #418-06-00-105

-TERRA FIRMA SURVEY MARKER FOUND (DISC)

LOT 9 TMS #418-06-00-107

LOT 6 TMS #418-06-00-104

1" CTPF

LOT 8 TMS #418-06-00-106

REFERENCES: CHARLESTON COUNTY RMC

2.)PLAT BY FRANCIS HARLESTON, DATED JAN. 21, 1950 PLAT BOOK G, PAGE 97A

3.)PLAT BY COMMISSIONERS OF PUBLIC WORKS, DATED JUL. 5, 1962 PLAT BOOK P, PAGE 93

4.)PLAT BY JOHN SABOE, DATED FEB. 4, 1972 PLAT BOOK Q, PAGE 74

5.)PLAT BY WILLIAM BOINEAU, DATED OCT. 23, 1984 PLAT BOOK BD, PAGE 127

NOTES:

LOT 11 TMS #418-06-00-100

TBM NAIL ELEV=12.64' NGVD'29 N 352251.50 E 2308724.96

- THERE HAS BEEN NO ENVIRONMENTAL INVESTIGATION DONE FOR THIS PROPERTY: FRESHWATER WETLANDS SHOWN FLAGGED BY RED BAY ENVIRONMENTAL LLC
- 2) BEARINGS SHOWN HEREON ARE STATEPLANE NAD 1983(2011)
- 3) THIS PROPERTY IS LOCATED IN A SPECIAL FLOOD HAZARD AREA; ZONE "AE ELEVATION 11"(NAVD 88B)) AS PER F.I.R.M. PANEL #45019C 0511K, EFFECTIVE JANUARY 29, 2021
- 5) NO SUBSURFACE INVESTIGATION DONE
- 6) ANYTHING SHOWN OUTSIDE THE DEFINED RIGHT OF WAY ARE FOR DESCRIPTIVE PURPOSES ONLY

- 4) THE PUBLIC RECORDS REFERENCED ON THIS PLAT WERE USED TO ESTABLISH THIS BOUNDARY AND DO NOT CONSTITUTE A TITLE SEARCH
- 7) ALL ELEVATIONS SHOWN ARE REFERENCED TO NGVD 1929
- 8) THE SURVEY SHOWS EASEMENTS WHICH ARE OBVIOUS OR APPARENT TO THE SURVEYOR
- 9) PROPERTY LIES WITHIN THE ST. ANDREWS AREA OVERLAY DISTRICT (20MING SPLIT) BETWEEN COMMUNITY COMMERCIAL (CC) AND SINGLE FAMILY RESIDENTIAL (R-4), SETBACKS AND BUFFERS WILL ADHER TO THE CHARLESTON COUNTY ZONING AND LAND DEVELOPMENT REGULATIONS OF THE ST. ANDREWS OVERLAY DISTRICT AS NOTED THEREIN.





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AECOM

PROJECT

Pump Station No. 39 Replacement

CLIENT

CHARLESTON WATER SYSTEM

103 St. Phillip Street Charleston, South Carolina 843.727.6879 tel www.charlestonwater.org

CONSULTANT

AECOM 4000 Faber Place, Suite 135 North Charleston, SC 29405, USA T +1-843-767-4602 843.767.4723 fax www.aecom.com

CONSULTANTS

STRUCTURAL

K & P Engineering, Inc.

478 Highway 378 West

Lexington, SC 29072

803.808.8022 tel 803.808.8022 fax

www.kp-inc.com

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2	7/8/2025	FOR AGENCY APPROVAL
		90% SUBMITTAL
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I/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER

60695962

SHEET TITLE

OVERALL PROJECT SITE

SHEET NUMBER

C00.10

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1 I/R	, .,	60% SUBMITTAL

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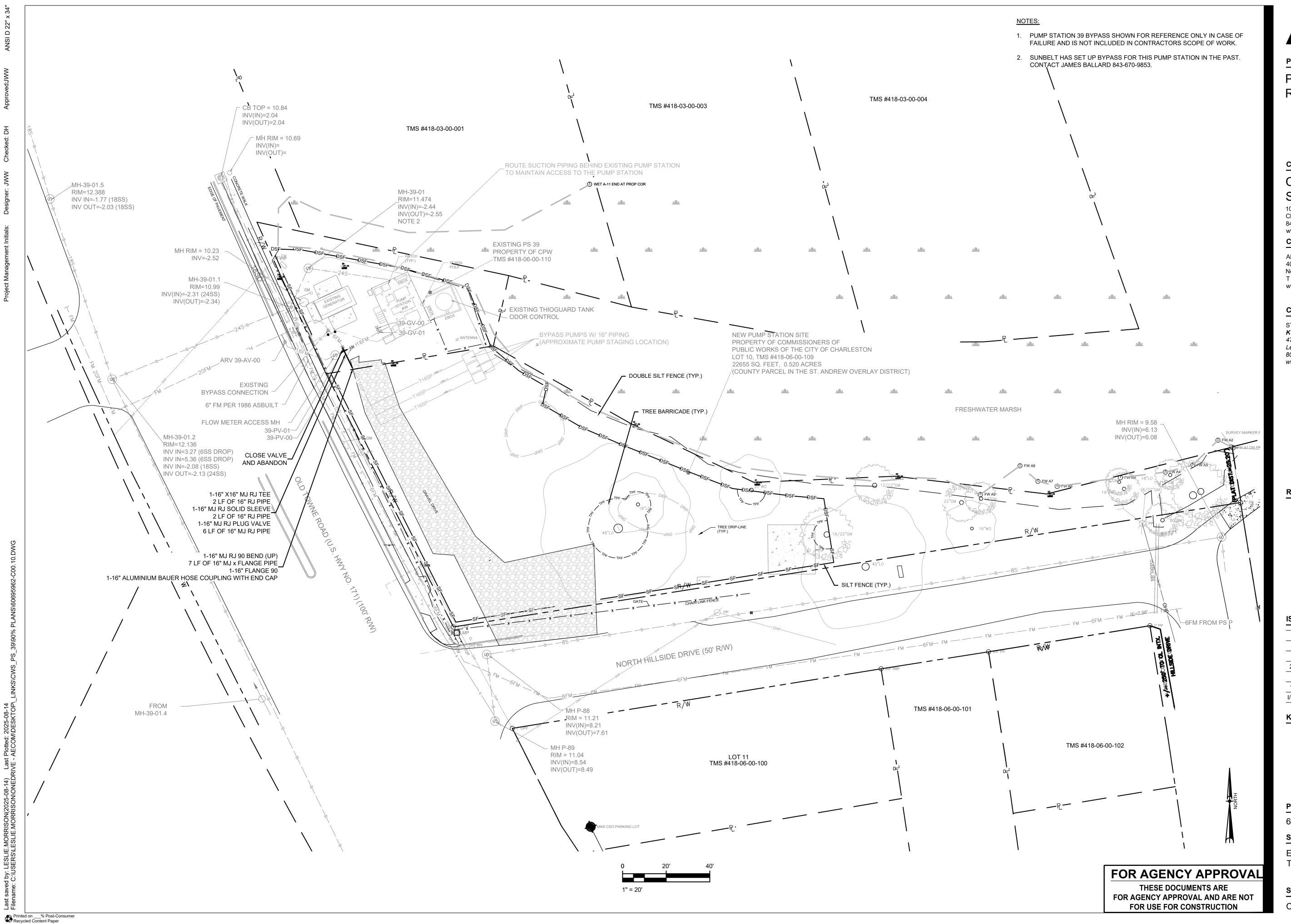
SHEET TITLE

EXISTING PUMP STATION NO.39 EXISTING CONDITIONS

SHEET NUMBER

C00.11

FOR USE FOR CONSTRUCTION



AECON

PROJECT

Pump Station No. 39 Replacement

CLIENT

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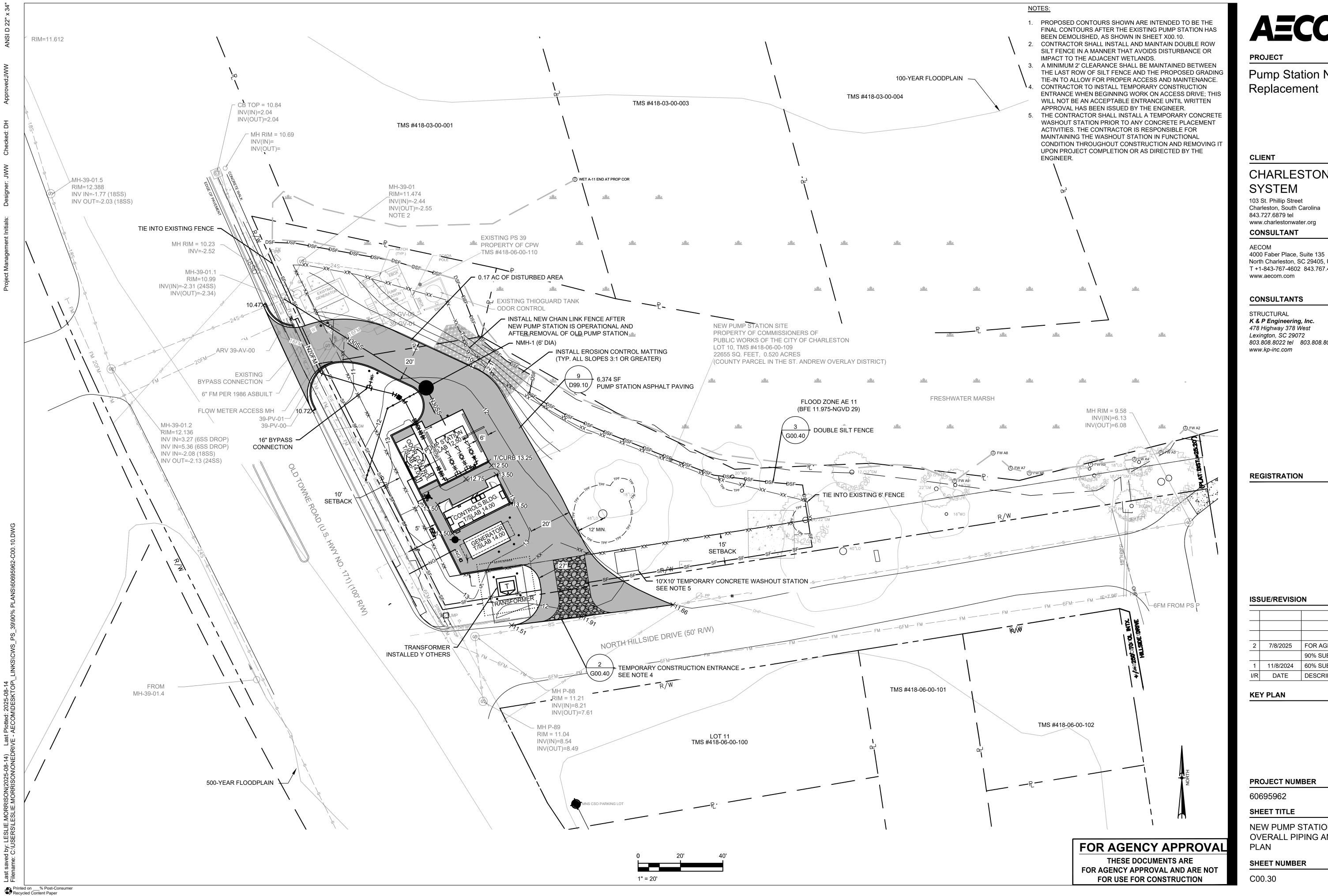
60695962

SHEET TITLE

EXISTING PUMP STATION NO.39 TEMPORARY BYPASS PLAN

SHEET NUMBER

C00.20



Pump Station No. 39

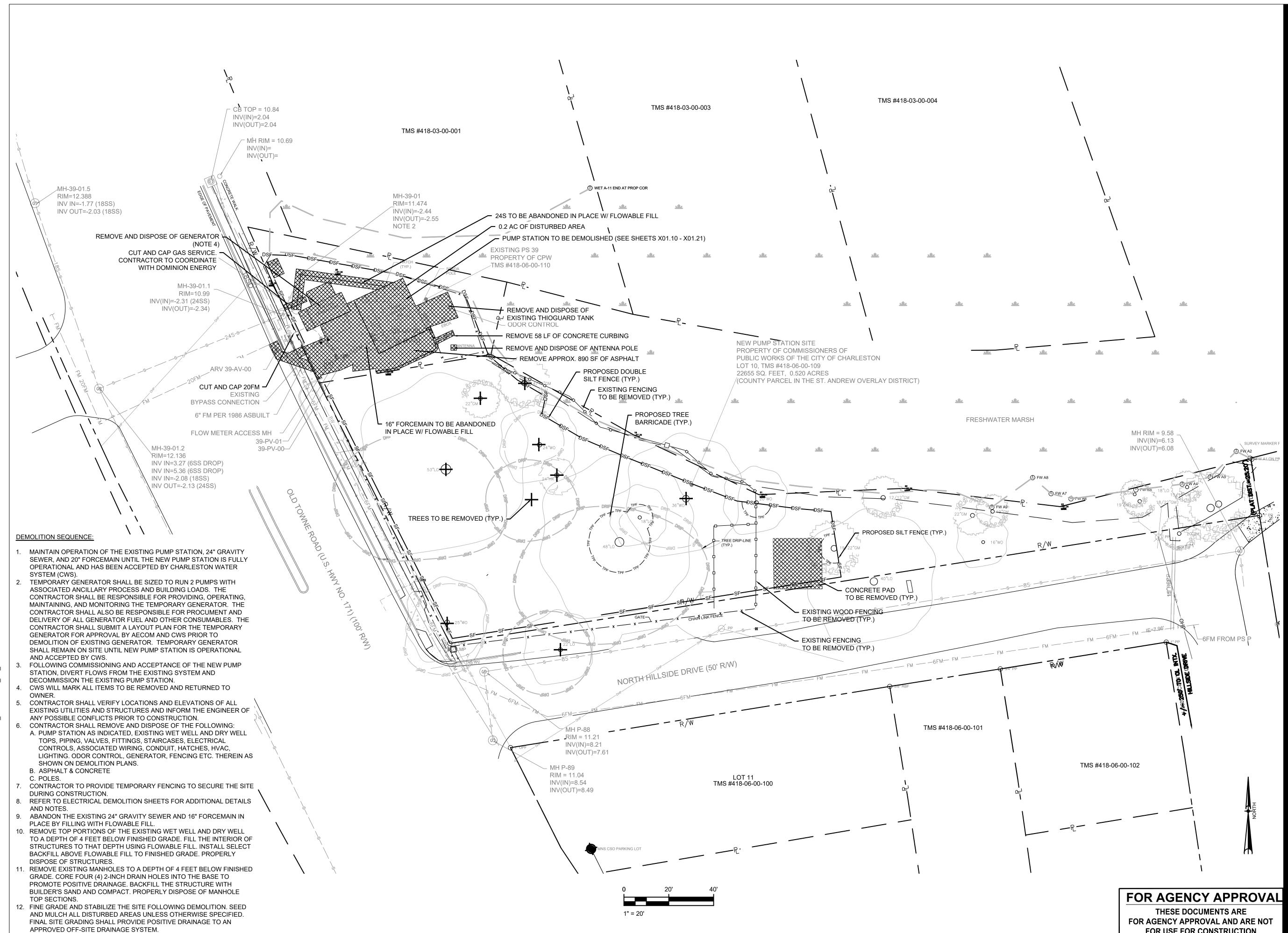
CHARLESTON WATER

North Charleston, SC 29405, USA T +1-843-767-4602 843.767.4723 fax

803.808.8022 tel 803.808.8022 fax

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NEW PUMP STATION NO.39 OVERALL PIPING AND GRADING



Pump Station No. 39 Replacement

CLIENT

CHARLESTON WATER SYSTEM

103 St. Phillip Street Charleston, South Carolina 843.727.6879 tel www.charlestonwater.org

CONSULTANT

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KEY PLAN

PROJECT NUMBER

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SHEET TITLE

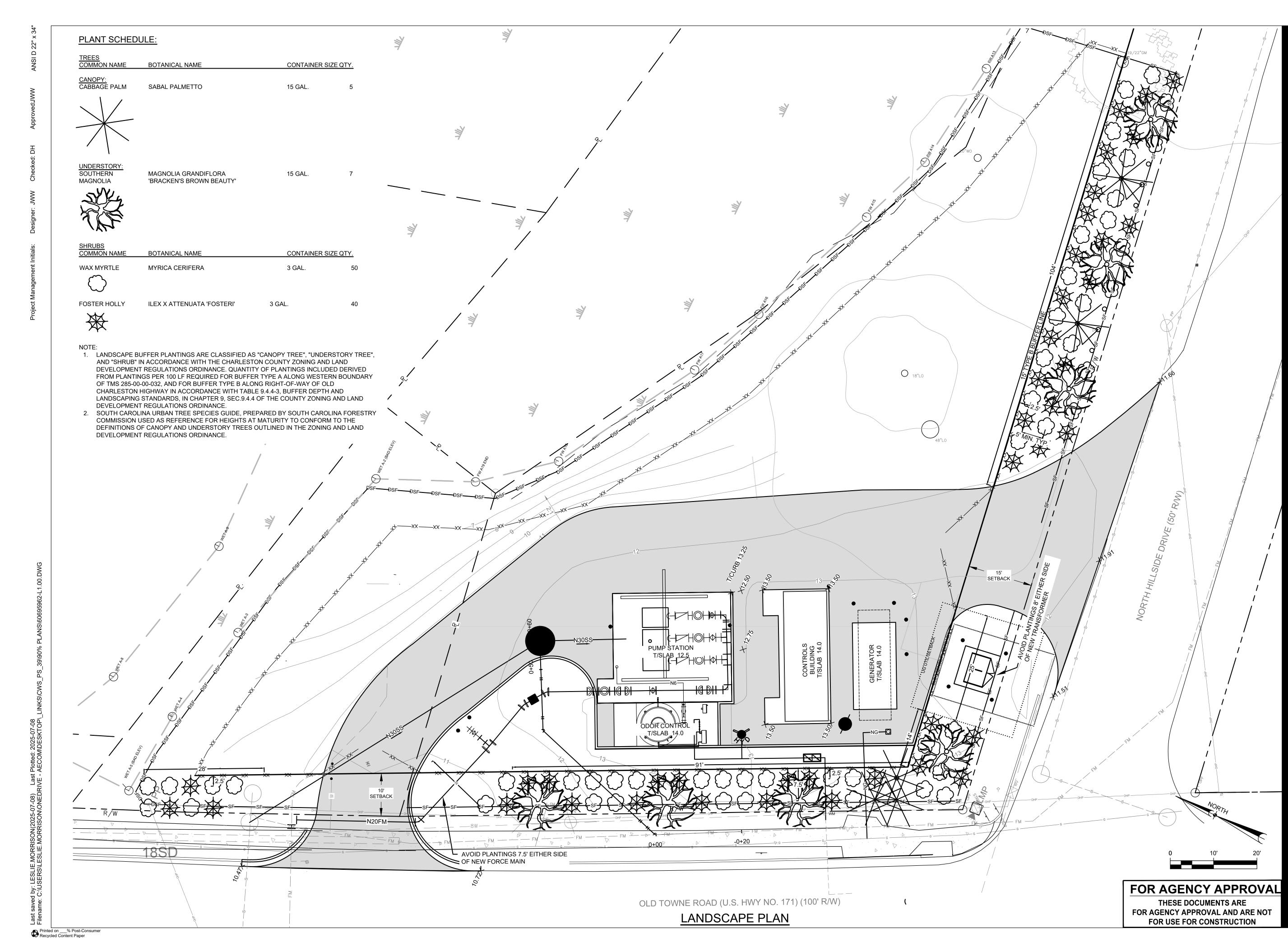
EXISTING PUMP STATION NO.39 DEMOLITION PLAN

SHEET NUMBER

X00.10

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Pump Station No. 39 Replacement

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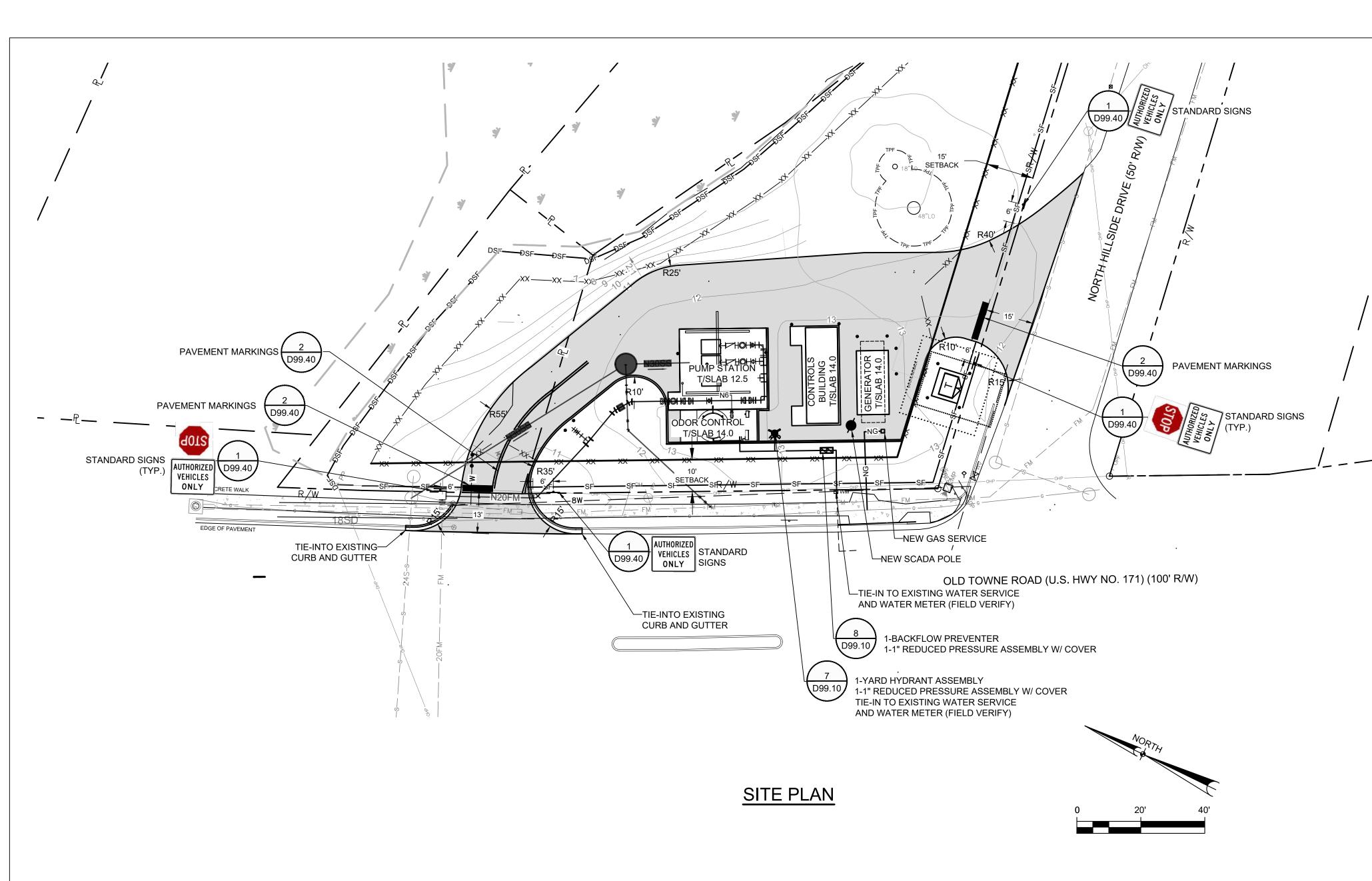
60695962

SHEET TITLE

NEW PUMP STATION LANDSCAPE PLAN

SHEET NUMBER

L01.00



GENERAL NOTES:

- WETWELL LEVEL AND ALARMS TO BE CONTROLLED BY ULTRASONIC CONTROLLER MANUFACTURED BY MILLTRONICS WITH TWO (2) FLOAT SWITCH BACKUPS.
- 2. ALL POWER TO THE PUMP STATION SHALL BE 3 PHASE POWER.
- 3. THE SIZE OF CONCRETE PAD SUPPORTING VALVES AND PIPING SHALL BE CONTINGENT ON THE SIZE OF PIPE AND THE LENGTH OF FITTINGS, COMPONENTS, VALVES, ETC. THE PAD SHALL EXTEND A MINIMUM OF TWO FEET PAST THE LAST COMPONENT IN THE VALVE ASSEMBLY. PAD SHALL BE FIELD VERIFIED WITH THE CONTRACTOR AND THE CWS FIELD REPRESENTATIVE.
- THE PUMP STATION SITE SHALL BE GRADED TO PROMOTE POSITIVE DRAINAGE AWAY FROM THE WETWELL TO AN OFFSITE DRAINAGE SYSTEM. PERMANENT EROSION CONTROL METHODS SHALL BE IN PLACE TO PROTECT PUMP STATION FEATURES AND ASPHALT FOUNDATION.
- ALL PIPING SHALL HAVE FLANGE JOINTS EXCEPT WHERE MECHANICAL JOINTS ARE NOTED.
- 3. ALL HARDWARE IN WETWELL AND ABOVE GROUND PIPING SUCH AS AS: BOLTS, NUTS, ANCHORS, ETC. SHALL BE 316 SS.
- 7. CONTRACTOR TO INSTALL LINK SEAL AT DISCHARGE LINE PENETRATIONS
 THROUGH CONCRETE WALLS OR SLAB. THE LINK SEAL SHALL BE SUPPLIED WITH
 316 STAINLESS STEEL HARDWARE. APPLY NON-SHRINK GROUT TO SEAL AROUND
 PIPE
- 8. ALL UNDERGROUND DIP SHALL BE RESTRAINED JOINT DIP AND ENCASED IN POLYWRAP.
- 9. ALL ABOVE GRADE PIPING AND COMPONENTS TO BE PAINTED.
- 10. ALL CONCRETE SURFACES OF WETWELL INTERIOR INCLUDING TOP & BOTTOM
 SLABS TO BE COATED WITH RAVEN EPOXY.
- 11. LIGHTS WILL BE UTILIZED TEMPORARILY IN CASE OF EMERGENCY ONLY.
- 12. MAIN GAS SUPPLY SHOULD BE 5 PSI+ AT THE INLET OF A STEP-DOWN REGULATOR LOCATED WITHIN 5 TO 10 FEET OF THE ENGINE IN A STRAIGHT RUN OF PIPING. THE REGULATOR SHALL BE SIZED TO DROP NO MORE THAN 0.25PSI FROM O LOAD TO FULL LOAD AND DELIVER THE REQUIRED VOLUME OF FLOW. COORDINATE SERVICE WITH DOMINION.

THE SITE IS LOCATED WITHIN FLOOD ZONE AE FLOOD ZONE AE 11 (BFE 11.975-NGVD 29)

FLOOD MAP/FLOOD PLAIN INFORMATION FLOOD MAP PANEL: 511 OF 855 #45019C0511K.

1 OF 655 #450 19C0511K.

AECOM

PROJE

Pump Station No. 39 Replacement

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PROJECT NUMBER

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SHEET TITLE

NEW PUMP STATION SITE PLAN AND NOTES

SHEET NUMBER

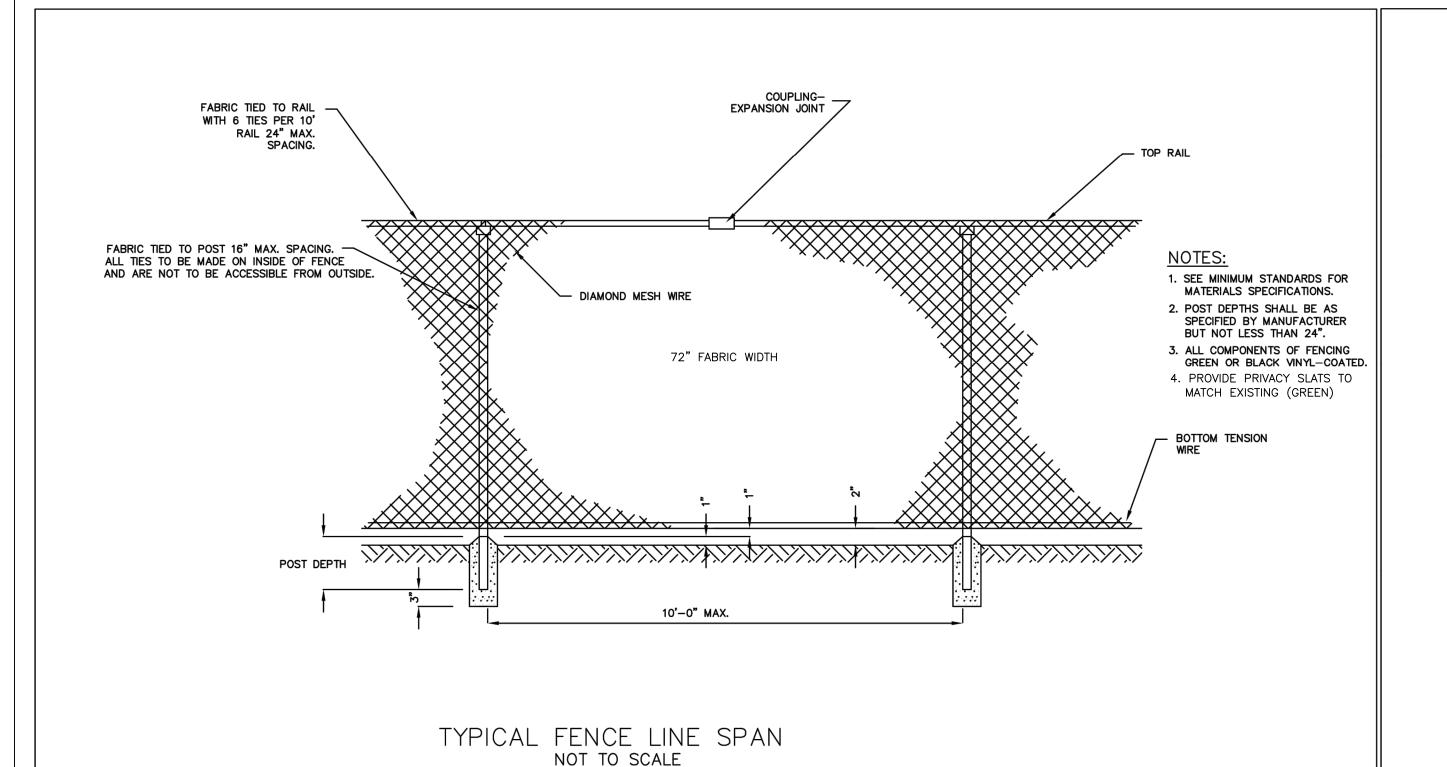
D02.10

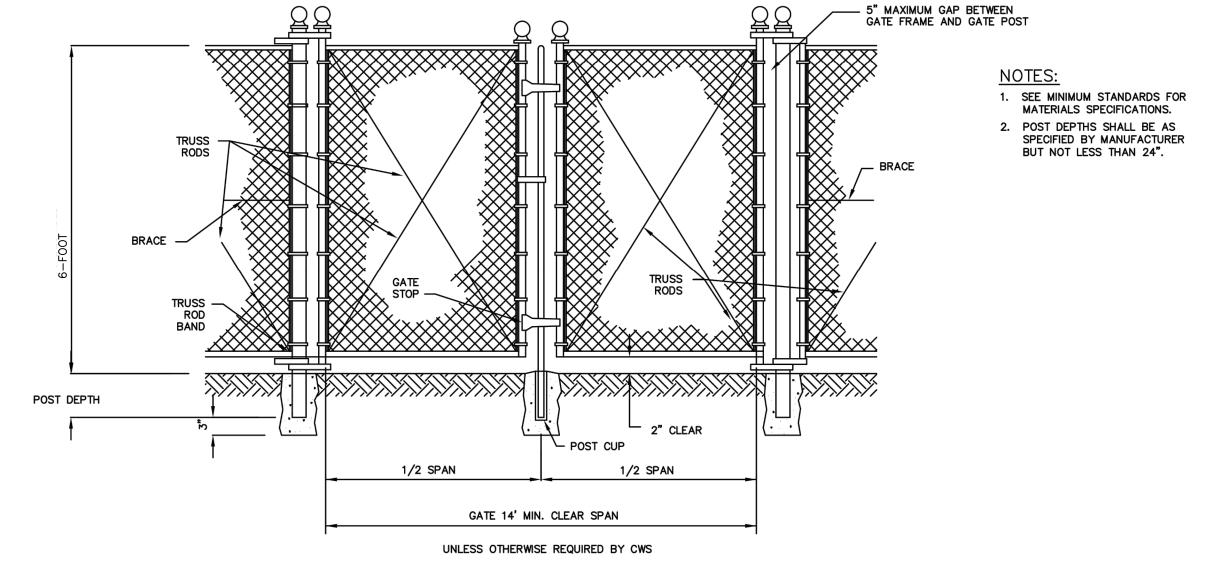
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FOR AGENCY APPROVAL AND ARE NOT FOR USE FOR CONSTRUCTION

THESE DOCUMENTS ARE





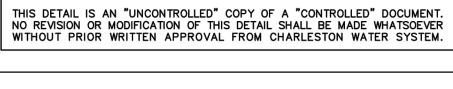
PUMP STATION VEHICLE GATE NOT TO SCALE



EC-4.3.2-CD-WW REVISION DATE:

NOV 1, 2015

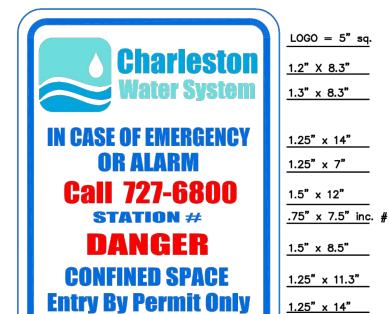
THIS DETAIL IS AN "UNCONTROLLED" COPY OF A "CONTROLLED" DOCUMENT.
NO REVISION OR MODIFICATION OF THIS DETAIL SHALL BE MADE WHATSOEVER
WITHOUT PRIOR WRITTEN APPROVAL FROM CHARLESTON WATER SYSTEM.



CHARLESTON WATER SYSTEM

CWS PUMP STATION SIGN SPECIFICATIONS: MATERIAL: Anodized Aluminum, #5052 ,080 thick SIZE: 18" wide x 24" high with 1.5" radius on all corners BACKGROUND: 3—M engineer grade Scotchlite reflective film All copy and border is 3—M scotchcal vinyl film, Sapphire blue with the exception of the phone number and "DANGER" which are 3—M Scotchcal Cardinal red. The entire sign is overlaid with Flexcon EVL 400 vinyl #V-29, laminated at 40 psi. All lettering is standard bold condensed except the line STATION #, which is Helvetica medium.

NOTE: ATTACH SIGN TO CHAIN LINK FENCE USING SS BOLTS AND 2" WASHERS



The recommended source for these signs is Print Charleston, Inc. In North Charleston, SC Phone number 843-554-9321

.35" w/1" rad.

PUMP STATION SIGN NOT TO SCALE

Charleston **Water System** DOCUMENT NO .: EC-4.3.2-CD-WW REVISION DATE: NOV 1, 2015

Charleston

DETAIL NO.

Water System

DOCUMENT NO.:

REVISION DATE:

NOV 1, 2015

EC-4.3.2-CD-WW

THIS DETAIL IS AN "UNCONTROLLED" COPY OF A "CONTROLLED" DOCUMENT. NO REVISION OR MODIFICATION OF THIS DETAIL SHALL BE MADE WHATSOEVER WITHOUT PRIOR WRITTEN APPROVAL FROM CHARLESTON WATER SYSTEM.

FOR AGENCY APPROVAL

THESE DOCUMENTS ARE FOR AGENCY APPROVAL AND ARE NOT FOR USE FOR CONSTRUCTION

Pump Station No. 39 Replacement

CLIENT

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	1	1 11/8/2024

KEY PLAN

PROJECT NUMBER

60695962

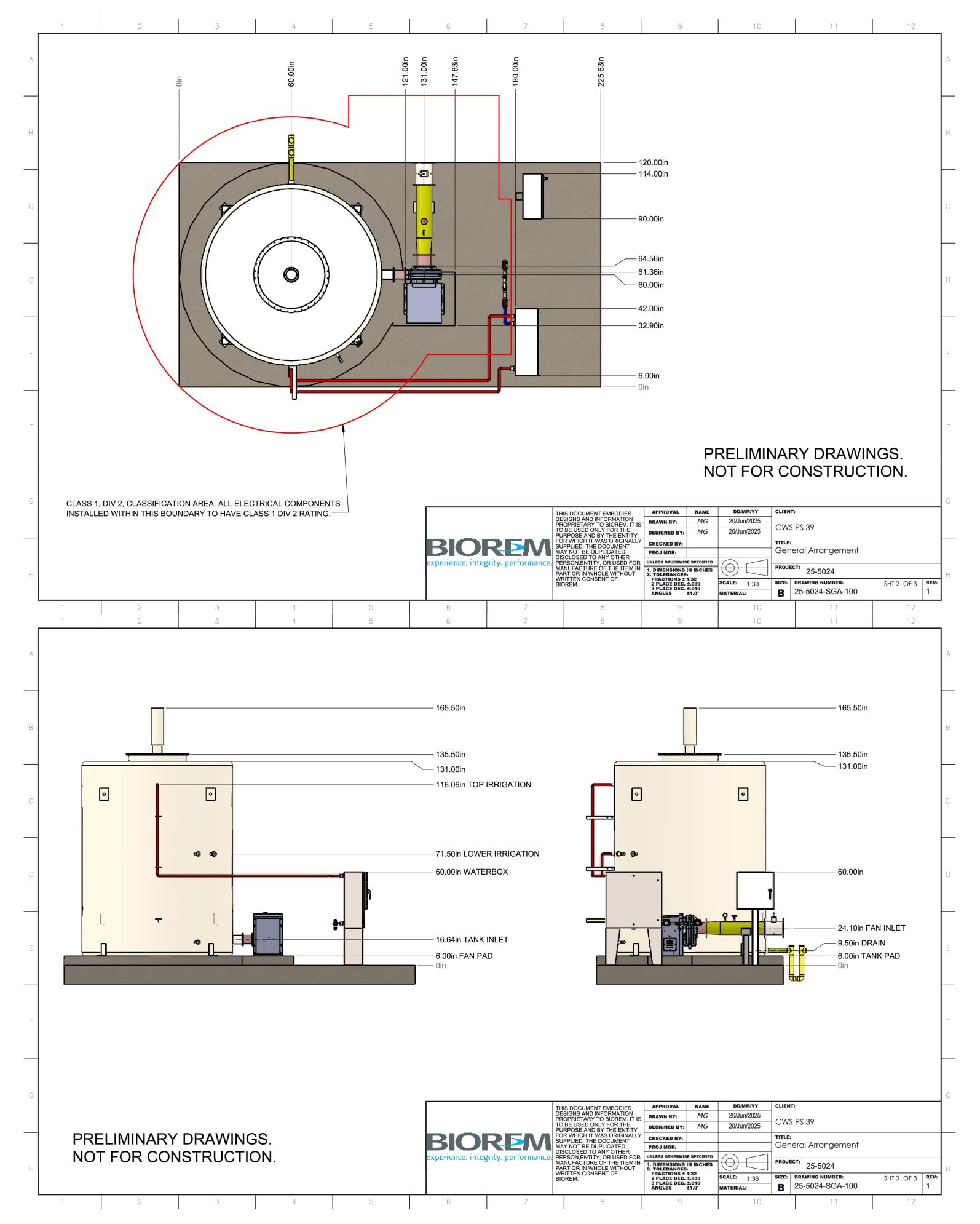
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PROJECT

Pump Station No. 39 Replacement

CLIENT

CHARLESTON WATER SYSTEM

103 St. Phillip Street Charleston, South Carolina 843.727.6879 tel www.charlestonwater.org

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STRUCTURAL K & P Engineering, Inc. 478 Highway 378 West Lexington, SC 29072 803.808.8022 tel 803.808.8022 fax www.kp-inc.com

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KEY PLAN

PROJECT NUMBER

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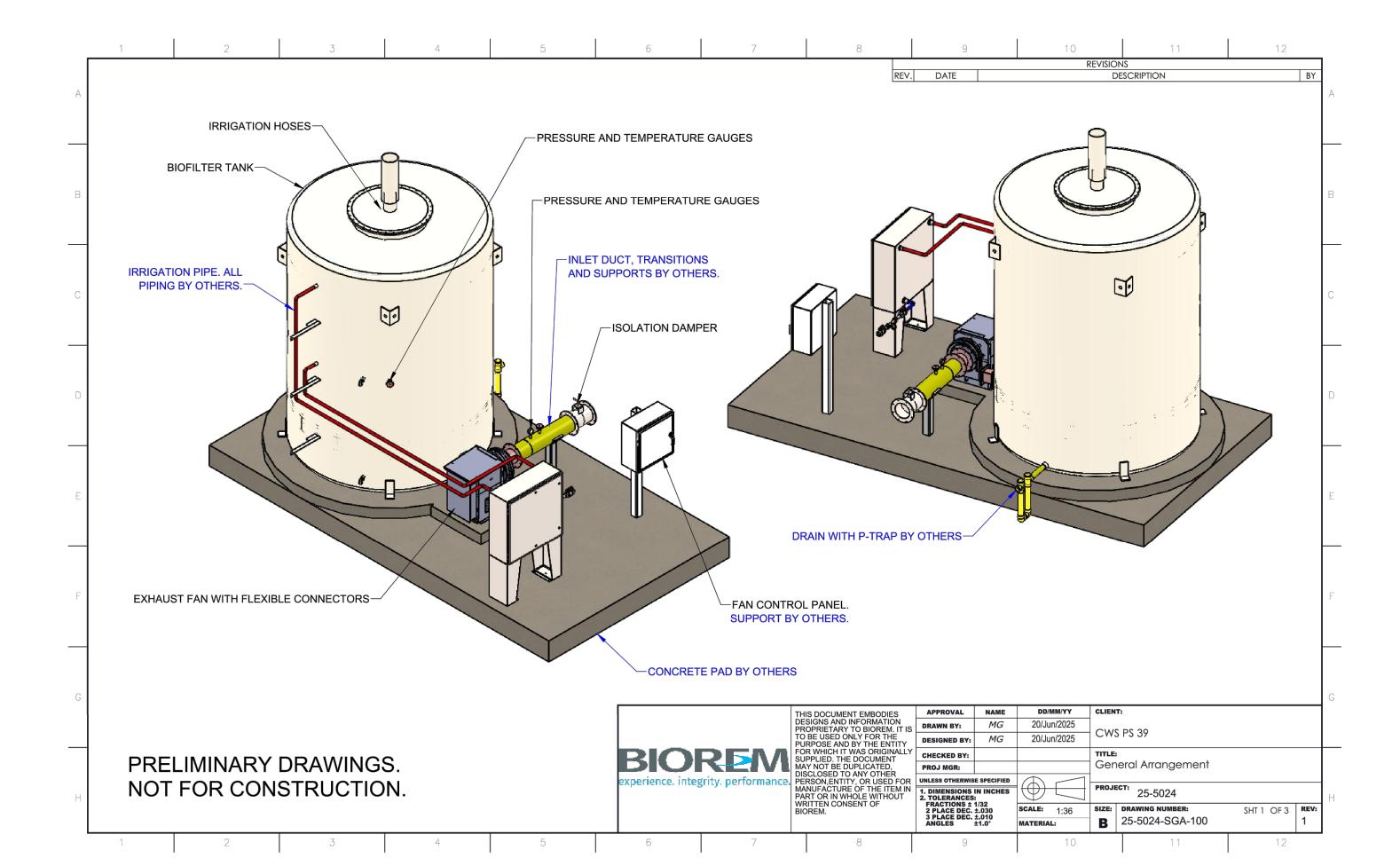
SHEET TITLE

ODOR CONTROL PLAN AND SECTION

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PROJECT

Pump Station No. 39 Replacement

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SHEET TITLE

ODOR CONTROL ISOMETRIC

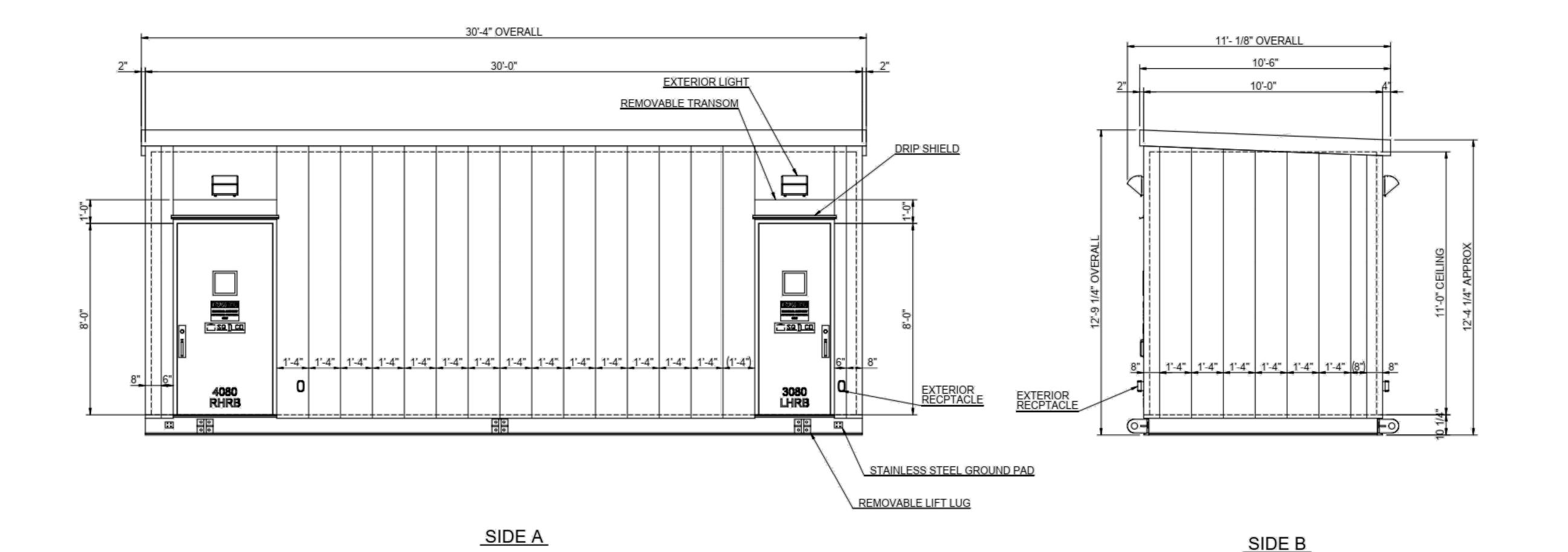
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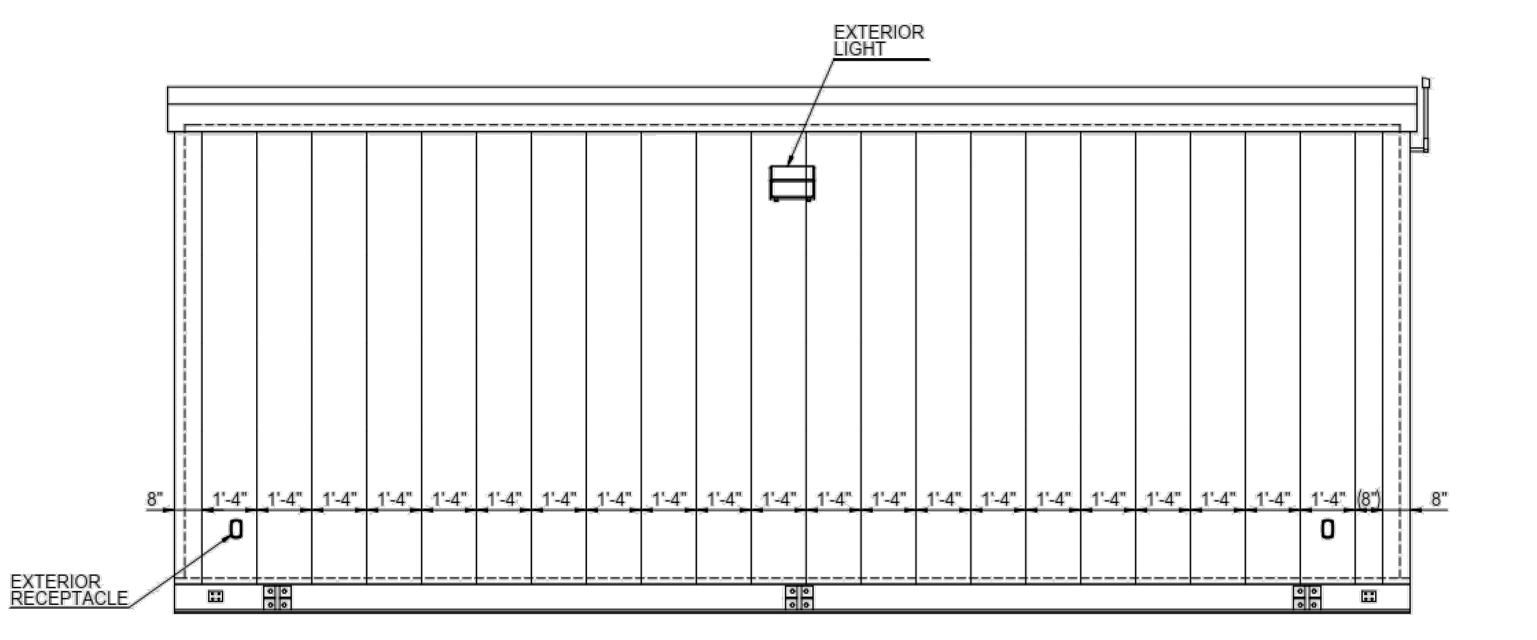
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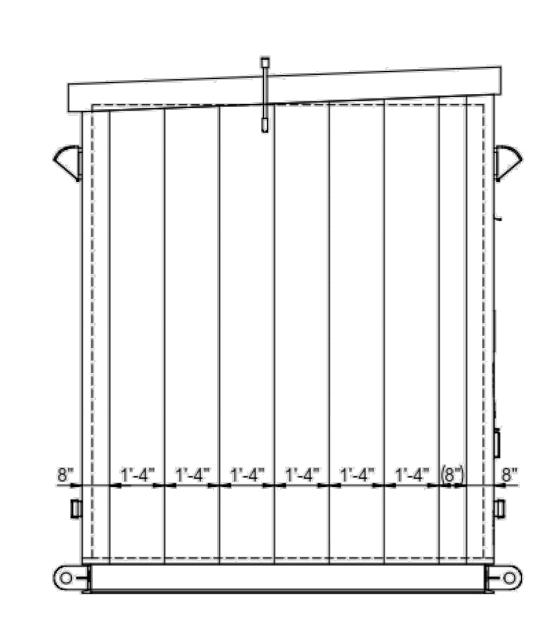
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PROJECT

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