JOINT PUBLIC NOTICE

CHARLESTON DISTRICT, CORPS OF ENGINEERS 69A Hagood Avenue Charleston, South Carolina 29403-5107 and

THE S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Office of Environmental Quality Control
Water Quality Certification and Wetlands Programs Section
2600 Bull Street
Columbia, South Carolina 29201

REGULATORY DIVISION Refer to: P/N # 2014-00892-2T

July 8, 2015

Pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403), Sections 401 and 404 of the Clean Water Act (33 U.S.C. 1344), and the South Carolina Coastal Zone Management Act (48-39-10 et.seq.), an application has been submitted to the Department of the Army and the S.C. Department of Health and Environmental Control by

MWV-EAST EDISTO SUMMERS CORNER, LLC SUSAN WATTS C/O NEWKIRK ENVIRONMENTAL, INC. RYAN CLAREY PO BOX 746 MT. PLEASANT, SC 29465

for a permit to fill and excavate aquatic resources associated with the

STONO RIVER

located approximately 7 miles from downtown Summerville in the south-central portion of Dorchester County and can be accessed via multiple points along U.S. Hwy 17A, Summers Road, SC Hwy 15, 165, and 61 (32.93957 Latitude/ -80.27314 Longitude)

In order to give all interested parties an opportunity to express their views

NOTICE

is hereby given that written statements regarding the proposed work will be received by the **Corps** until

30 Days from the Date of this Notice,

and SCDHEC will receive written statements regarding the proposed work until

30 Days from the Date of this Notice

from those interested in the activity and whose interests may be affected by the proposed work.

Proposed Project

The proposed work consists of the placement of fill material into and excavation of a total of 27.93 acres of wetlands and 1,081 linear feet of other waters for a mixed use development. In detail, the proposed work includes the following: the excavation and filling of 22.35 acres of wetlands; the relocation, culverting, or filling of 642 linear feet (0.25 acres) of man-made jurisdictional ditches and 439 linear feet (0.18 acre) of tributaries that have been excavated through uplands; filling of 3.89 acres of jurisdictional upland excavated ponds/borrow pits; and change of use authorization and filling of 1.26 acres of post 1972 previously exempted silviculture roads. The proposed project is known as Summers Corner.

Note: The information in this public notice was included in the permit application submitted by the applicant.

Project Background

East Edisto is a reference to a regional planning area spanning portions of both Dorchester and Charleston Counties, much like East Cooper or West Ashley. The planning effort for East Edisto was undertaken with the encouragement of, and in coordination with, the counties and NGO's, to direct growth and development, control sprawl and preserve rural landscapes. This has been accomplished in Dorchester County with its Comprehensive Plan, adopted in 2008 which identifies areas appropriate for growth and development and applicant's Development Agreement and Form District Master Plan (zoning) adopted in 2012. The applicant's East Edisto Dorchester properties include areas appropriate for community development (Summers Corner), timberlands, rural lands (restricted by a recorded density restriction) and conservation easements on portions of the Edisto River shoreline (held by DNR). Similar planning efforts in Charleston County are underway with the update to the Charleston County Comprehensive Plan and proposed zoning.

The East Edisto planning effort originally contemplated three independent potential projects in Dorchester and Charleston Counties, Pine Hill Business Park)constructed) and Summers Corner in Dorchester County and Spring Grove in Charleston County. Additionally, the applicant had an interest in pursuing a commercial mitigation bank in Charleston County. Over the last several years, changing economic conditions have significantly influence how and when the applicant would or could proceed with the planning and development of these properties.

In 2013, the applicant sold much of its remaining timberland in the states of Georgia, Alabama, West Virginia, Virginia and South Carolina to Plum Creek. Additionally, the applicant and Plum Creek entered into agreements to create two joint ventures: Venture 1, which includes Summers Corner and Venture 2 which includes the remaining lands within the East Edisto region. Venture 1 is designated for short term development; Venture 2 is designated for longer term uses such as timber use, rural land use, rural land sales, and Spring Grove in Charleston (future community). The current status of these projects is as follows:

- Pine Hill Business Park, Dorchester County: A Nationwide Permit verification for this project was issued by the Corps on January 20, 2010 (SAC-2009-00521) and the development is ongoing.
- Summers Corner (proposed project), Dorchester County: With significant changes in the

market and economy, the applicant began to focus on Summers Corer, coordinating closely with the Corps, County and other interested parties, wetland delineations, threatened and endangered species assessments, cultural resource surveys, land planning, and preliminary engineering was completed. Summers Corner was identified and a boundary was established based on compliance with the Dorchester County Comprehensive Plan and zoning; proximity to the Town of Summerville and existing, planned and funded infrastructure; available acreage to meet the project purpose; and natural geomorphic boundaries, including existing highways, major wetland systems and Dorchester District 2 schools. Summers Corner is not a phase of a larger more comprehensive development plan but a fully integrated, independent and economically viable project.

- Caw Caw Swamp Mitigation Bank, Charleston County: A prospectus for the Caw Caw Swamp Mitigation Bank in Charleston County was submitted to the IRT in 2013 and is currently under review.
 - * The applicant is currently pursuing and proposing two separate, single and complete independent projects within the East Edisto Planning area, the Summers Corner mixed use development and the Caw Caw Swamp Mitigation Bank. There are no other projects currently proposed by the applicant within the East Edisto Planning area.
- Spring Grove, Charleston County: The applicant is continuing to work through the Charleston County Comprehensive Plan review and zoning processes.

Site Description

The Summers Corner project area consists of 6,199.10 total acres comprised of 3,839.72 acres of uplands and 2,359.38 acres of aquatic resources. The 2,359.38 acres of aquatic resources onsite include 2,289.30 acres of federally defined jurisdictional wetlands, 8.89 acres of Post-1972 exempted silviculture roads in wetlands, 44,980 linear feet (13.04 acres) of jurisdictional ditches through uplands, 47,695 linear feet (13.30 acres) of tributaries, and 34.85 acres of jurisdictional upland excavated pond/borrow pits. These acreages include 42.31 acres of federally defined jurisdictional wetlands and 50 linear feet (0.20 acre) of tributaries within existing easements and right-of-ways onsite. The total aquatic resources contained within the project area represent 38% of the total site area.

Summers Corner Phase I

Also owned by the applicant is the +/- 351 acres Phase I at Summers Corner. Phase I is located north and adjacent to the project site and includes acreage around the intersection of Hwy 61 and Summers Road and between Hwy 61 and Hwy 17A and as depicted on the Master Plan and project drawings. Phase I includes several parcels with separate jurisdictional determinations. Development activities within Phase I began in May of 2014 and there are no impacts to jurisdictional aquatic resources as a result of these ongoing activities. Although Phase I will be connected to the rest of Summers Corner, Phase I is an independent undertaking and is not dependent upon the proposed impacts and development to be a viable and sustainable project.

Project Purpose

The purpose of the proposed project is to create a large scale, flexible, economically viable, long-term, master planned, mixed-use development consisting of interspersed residential, business/commercial and institutional components, including kindergarten through post secondary education facilities, churches and health care facilities, as well as infrastructure improvements to support these uses, in conformance with the Comprehensive Plan and applicable laws, regulations and ordinances.

Project Description

The Comprehensive Plan anticipates an approximately 30 year project buildout. Dorchester County's Form based Zoning Code designation for the property establishes the framework and flexibility for land uses to shift within the master plan in response to market conditions and the needs of the County over the life of the project. Often referred to as "smart growth", the Form Based Zoning Code is a regulatory code designed to use physical forms rather than separation uses as an organizing principle. As such, there are not areas designated as residential, commercial, etc. as would be the case in a planned development unit or traditional zoning. The Code, through very detailed and rigorous requirements, provides the framework for an integration of land uses within the same parcel or block, supporting the goal of sustainable, viable, mixed use plan which is convenient and encourages multi-modal access.

Infrastructure for Summers Corner will be provided by the various utility providers for Dorchester County such as the Dorchester County Water Authority, SCE&G and the Dorchester County Public Works Department. The Wetland Master Plan proposed with this application identifies all aquatic resources and conceptual development and specifies and quantifies impacts and activities necessary to implement the Plan and construct the proposed project.

Adequate culverts will be placed in all proposed road crossings to accommodate existing and anticipated water flows, to maintain and enhance sheet flow through the wetlands and prevent flooding of adjacent upland properties. The project engineer will design appropriately sized culverts to maintain the functional characteristics at each road crossing as part of the comprehensive stormwater management plan for the project. Additionally, as a result of the applicant's intent to avoid and minimize impacts to aquatic resources, the engineer has planned to incorporate arch culvert spans (spans), where feasible, of jurisdictional linear features. A total of 12 proposed spans are included in the Wetland Master Plan and project drawings. Typical plan view and cross-section drawings of the proposed spans are included.

During preliminary drainage analyses performed by the project engineer, the linear drainage features on-site, including jurisdictional ditches and tributaries, have been incorporated into the overall drainage plan. It will be necessary to conduct regular maintenance of these features to maintain existing and expected flow capacity of the site. During the project 30-year build-out of the project, it may also be necessary to tie-in upland cut linear features. Specific tie-in locations with future stormwater needs will be determined during final engineering. These activities will not result in a discharge of dredged or fill material or placement of structures within any jurisdictional area but may involve excavation of side slopes to accomplish a future tie-in. To facilitate and accommodate future stormwater needs, these features will not be buffered or place under restrictive covenants. Maintenance of linear features through jurisdictional wetlands to be preserved on-site will be specified in restrictive covenants protecting the wetlands.

As part of the applicant's attempt to <u>avoid and minimize</u> impacts to aquatic resources, the project engineer has planned for the installation of the site's utilities without additional loss of wetlands. All applicable utility lines will be included in the footprints of proposed wetland road crossings. Gravity sewer lines will be trenched across or drilled under linear features at the sites of proposed spans and force mains and other utilities will be attached to the superstructure of the spans.

As is usual with development projects of this size, Summers Corner will be constructed over time, subject to economic conditions and market fluctuations. Therefore, the applicant requests a **30-year permit.**

As build-out of Summers Corner is anticipated to occur over a 30-year period, it is necessary to continue existing silviculture practices within managed forests on undeveloped areas of the project, including but not limited to thinning, prescribed burning, harvesting, site preparation and planting. For this reason, it will be necessary to maintain the network of existing silviculture roads in undeveloped portions of Summers Corner. Once development is initiated in accordance with the 404 and 401 permits/certifications, any post CWA silviculture roads constructed in wetlands, that are no longer needed for forest management purposes, will be removed and pre-existing (pre-road) conditions will be restored.

Project Need

According to Woods & Poole, a national independent research firm that specializes in long-term county economic and demographic projections, Dorchester County is one of the fastest growing area in South Carolina and the southeast United States. Dorchester County is growing at an average annual rate of 2% with a projected population of 193,505 in 2030, a 45% increase above the 2010 population of 133,026. Population growth in the county is consistent with the Charleston Metropolitan Statistical Area (MSA) but is twice the projected growth rate of South Carolina as a whole and the rest of the southeast United States. The Dorchester County Comprehensive Plan (Comprehensive Plan), updated in 2008, sets forth a vision for growth in the county through 2030 and establishes long-term planning goals, including, preservation and protection of rural communities and natural areas, planning for growth in appropriate areas and ensuring that infrastructure will be available to accommodate development in identified growth areas.

The need for the Summers Corner development project is supported by the projected population growth for Dorchester County and surrounding areas, the desire of the county and public for "smart growth" and the need to plan for growth in proximity to existing development in accordance with the Comprehensive Plan. Concomitant with growth is the need to protect, upgrade, or create, as necessary and required, adequate infrastructure (roads and utilities), businesses and commercial facilities, residential areas and institutional facilities (elementary, middle and high schools) and institutions for higher learning (colleges/universities and technical colleges). The overall development plan for Summers Corner envisions the need for these services and facilities to be co-located so as to reduce environmental impacts and achieve the necessary synergy of each development component of the project and the beneficial effects provided to local and regional economies. As explained above, the need and means of accommodating the need have been clearly identified in the County's Comprehensive Plan and the proposed project will contribute to addressing the anticipated need.

Avoidance and Minimization

The applicant began the wetland master planning process for development of the project site with the goal of avoiding and minimizing overall project impacts, including potential impacts to water quality, freshwater wetlands, wildlife habitats and archaeological and cultural resources. To this end, significant resources have been expended on various plans, surveys, assessments and reports, including, a wetland delineation and survey, threatened and endangered species evaluation, archaeological and cultural resources survey, preliminary engineering reports, topographic surveys, land planning and wetland mitigation planning.

The applicant prepared multiple draft Wetland Master Plans which successively reduced impacts to aquatic resources. Each Plan revision was an effort to improve the overall land plan, provide for access, utilities, amenities, lot/parcel development, and the flexibility necessary to construct an economically viable project while avoiding and minimizing impacts to wetlands and other environmentally sensitive resources. The initial draft of the Plan dated February 1, 2011 did not quantify impacts to aquatic resources as this was a preliminary Plan and wetland and project boundaries were still being refined. This initial Plan was provided to the project development team for review and comment well in advance of presentation to any agency group. The development team identified potential approaches to reduce adverse impacts from the project and directed that a second draft Plan be prepared. The Plan was presented to the Corps as part of the process of preparing the Summers Corner permit application during the pre-application meeting August 23, 2011. This second draft Plan indicated 48.37 acres of impacts to aquatic resources. The applicant conducted additional pre-application meetings with the Corps staff on February 12, 2012 and April 17, 2012. After incorporating comments received from the pre-application meetings with the Corps, the applicant began preparing the final Plan submittal in support of the permit application. However, before finalizing the Wetland Master Plan, the project development team updated site boundaries, zoning, wetland delineations and the status of cultural resources within the proposed project site. While verification of the jurisdictional determination (JD) was pending, a permit application was submitted to the Corps in May, 2014, with 31.15 acres of impacts to aquatic resources proposed. Revisions to the application date November 2014, which reflected updated wetland information, indicated 31.38 acres of impacts. The final Wetland Master Plan, revised June 2015, indicates additional information based upon verified JD as well as more current land planning information. This Wetland Master Plan proposes 27.93 acres of impacts to aquatic resources, including 22.35 acres of impact to jurisdictional wetlands, 1.26 acres of impacts/change of use for post 1972 silviculture roads, 1,081 linear feet (0.43 acre) of impact to jurisdictional ditches and tributaries, and 3.89 acres of jurisdictional upland excavated ponds/borrow pits. The planning and permitting process undertaken by the applicant has resulted in substantial minimization of impacts to aquatic resources from each plan to the next. The reduction in impacts from the August 23, 2011, draft Plan (48.37 acres) to the Wetland Master Plan submitted with this revised application (27.93 acres) is 20.44. This represents a 42% reduction in impacted acreage to aquatic resources.

Additional avoidance and minimization has occurred by locating proposed interior roads and road crossings in concert with County and SCDOT long term projections plans. Consistent with anticipated land uses, roads have been designed to minimize impacts to aquatic resources while providing necessary and desirable access throughout the site. Existing roads are utilized where possible. Thirteen existing pre-1972 road crossings have been utilized for proposed development roads and six existing post 1972 silviculture roads have also been utilized for

development roads. Additional minimization of impacts is provided with the incorporation of utilities within proposed right-of-ways and incorporation of arch culvert spans at 14 road crossing of jurisdictional linear features.

Despite substantial planning efforts and a rigorous reduction in aquatic impacts, it is not practicable to completely avoid impacts associated with proposed land development activities. The implementation of a professionally designed and master planned development is critical to the overall success of the project. Implementation of the Wetland Master Plan is a key component t creating an economically successful project, achieving the project purpose, ensuring the protection and preservation of remaining aquatic resources onsite and constructing the project in concert and compatible with adjacent properties, existing and planned infrastructure and the current and future needs of the County.

The Wetland Master Plan proposed with this application identifies wetlands and conceptual development and represents a substantial effort on the part of the applicant to avid and minimize overall environmental impacts. Requested impacts (27.93 acres) are minimal when compared to the total site area (6,199.10 acres), representing less than 0.5% of the total project site and approximately 1.2% of its aquatic resources. It is not practicable to avoid all of the jurisdictional wetlands and linear features within the site and maintain a rational project design and flexibility necessary to construct a large, fully functioning master planned community with a long term build-out. The Wetland Master Plan demonstrates avoidance and minimization of impacts to significant wetland resources to the maximum extent practicable while maintaining important wetland functions and providing for reasonable and necessary flexibility for constructing an economically viable, mixed use development and associated amenities and services.

Compensatory Mitigation

Compensatory mitigation for the impacts associated with the proposed project includes a combination of on-site and off-site measures to replaces losses of aquatic resource functions and services at Summers Corner. The applicant proposed to mitigate for proposed impacts to wetlands and jurisdictional, man-made, linear features in accordance with the Charleston District Compensatory Mitigation Guidelines dated October 7, 2010 (Guidelines). Compensatory mitigation is not proposed for existing upland excavated jurisdictional ponds/borrow pits. There are no proposed impacts to identified streams. The Guidelines define a requirement of 304.7 mitigation credits to compensate for the proposed impacts to wetlands and man –made jurisdictional linear features. The applicant also agrees to establish and preserve 437.32 acres of upland buffers (average 50' in width and minimum of 25' in width) adjacent to the remaining 2,224.63 acres of onsite wetlands through deed restrictive covenants. The wetland acreage does not include the 42.32 acres located within easements and right-of-ways.

In accordance with current Guidelines, the proposed on-site wetland preservation with buffers affords a 25% reduction (76.2 credits) in wetland mitigation credits that will be purchased from a mitigation bank. With the 25% reduction, the applicant will purchase 228.5 wetland mitigation credits. This requirement will be met through the purchase of wetland mitigation credits from either the proposed Caw Caw Swamp Mitigation Bank, if authorized and in service in time for use by this project, or the Pigeon Pond Mitigation Bank.

The proposed project will be constructed over a period of approximately 30 years and, as such, it is the intention of the applicant to complete the wetland mitigation requirements as

development and construction occurs over time. Specifically, covenants and restrictions will be recorded on all wetland and buffer preservation areas within each area to be developed, prior to the onset of work within each area. Likewise, mitigation bank credits required to compensate for permitted impacts within each area to be developed will be purchase prior to the onset of work within each area.

NOTE: This public notice and associated plans are available on the Corps' website at: http://www.sac.usace.army.mil/Missions/Regulatory/PublicNotices. For those unable to access the website, a copy of this notice and the associated plans will be provided, upon receipt of a written request. The request must identify the project of interest by public notice number and a self-addressed stamped envelope must also be provided. Your request should be addressed to the

U.S. Army Corps of Engineers ATTN: REGULATORY DIVISION 69A Hagood Avenue Charleston, South Carolina 29403-5107

The District Engineer has concluded that the discharges associated with this project, both direct and indirect, should be reviewed by the South Carolina Department of Health and Environmental Control in accordance with provisions of Section 401 of the Clean Water Act. As such, this notice constitutes a request, on behalf of the applicant, for certification that this project will comply with applicable effluent limitations and water quality standards. The work shown on this application must also be certified as consistent with applicable provisions of the Coastal Zone Management Program (15 CFR 930). This activity may also require evaluation for compliance with the S. C. Construction in Navigable Waters Permit Program. State review, permitting and certification is conducted by the S. C. Department of Health and Environmental Control. The District Engineer will not process this application to a conclusion until such certifications are received. The applicant is hereby advised that supplemental information may be required by the State to facilitate the review.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. Implementation of the proposed project would impact 27.93 acres of freshwater wetlands upstream of estuarine substrates and emergent wetlands utilized by various life stages of species comprising the shrimp, and snapper-grouper management complexes. Our initial determination is that the proposed action would not have a substantial individual or cumulative adverse impact on EFH or fisheries managed by the South Atlantic Fishery Management Council and the National Marine Fisheries Service (NMFS). Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

Pursuant to the Section 7 of the Endangered Species Act of 1973 (as amended), the Corps has reviewed the project area, examined all information provided by the applicant, and the District Engineer has determined, based on the most recently available information that the project will have no effect on any Federally endangered, threatened, or proposed species and will not result in the destruction or adverse modification of designated or proposed critical habitat. This public notice serves as a request to the U.S. Fish and Wildlife Service and the National Marine Fisheries Service for any additional information they may have on whether any listed or proposed endangered or threatened species or designated or proposed critical habitat may be present in the

area which would be affected by the activity.

Pursuant to Section 106 of the National Historic Preservation Act (NHPA), this public notice also constitutes a request to Indian Tribes to notify the District Engineer of any historic properties of religious and cultural significance to them that may be affected by the proposed undertaking.

In accordance with the NHPA, the District Engineer has consulted the latest published version of the National Register of Historic Places for the presence or absence of registered properties, or properties listed as being eligible for inclusion therein and initially determined that there are historic properties and/or properties eligible for inclusion in the National Register present, but they will not be affected; therefore, there will be no effect on historic properties. This public notices serves as a request for concurrence within 30 days from the SHPO (and/or Tribal Historic Preservation Officer).

The District Engineer's final eligibility and effect determination will be based upon coordination with the SHPO and/or THPO, as appropriate and required, and with full consideration given to the proposed undertaking's potential direct and indirect effects on historic properties within the Corps-identified permit area.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for a public hearing shall state, with particularity, the reasons for holding a public hearing.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the activity on the public interest and will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency (EPA), under authority of Section 404(b) of the Clean Water Act and, as appropriate, the criteria established under authority of Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972, as amended. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the project must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the project will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production and, in general, the needs and welfare of the people. A permit will be granted unless the District Engineer determines that it would be contrary to the public interest. In cases of conflicting property rights, the Corps of Engineers cannot undertake to adjudicate rival claims.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this project. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

If there are any questions concerning this public notice, please contact Tracy Sanders at 843-329-8044 or toll free at 1-866-329-8187.

JUMMERS CORNER

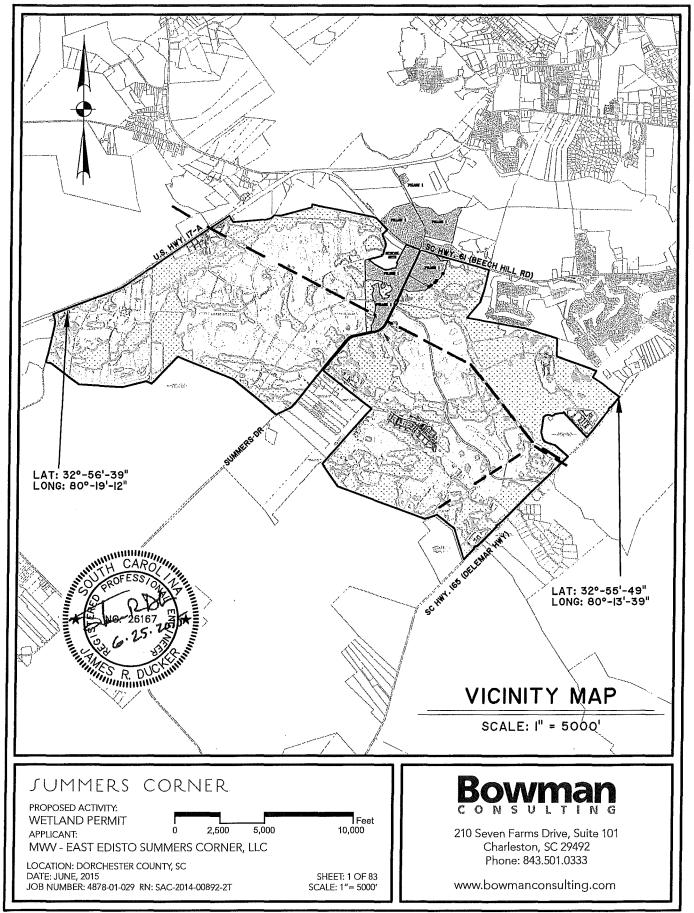
DORCHESTER COUNTY, SC

WETLAND PERMIT PROJECT DRAWINGS

VICINITY MAP	
WETLAND SUMMERY &	LEGEND 2-8
SHEET LEYOUT PLAN	9-13
PROJECT DRAWINGS	14-72
TYPICAL SECTIONS	73-83
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June 2015

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WETLAND SUMMARY AND LEGEND

TOTAL TRACT 6,199.10 AC

TOTAL UPLAND

TOTAL JURISDICTIONAL WETLAND

3,839.72 AC
2,289.30 AC

TOTAL JURISDICTIONAL WETLAND

TOTAL JURISDICTIONAL PONDS (UPLAND EXCAVATED BORROW PITS)

TOTAL POST 72 SILIVICULTURE ROADS IN WETLAND

2,289.30 AC

34.85 AC

TOTAL POST 72 SILIVICULTURE ROADS IN WETLAND

8,89 AC

TOTAL JURISDICTIONAL DITCH THROUGH UPLAND

13.04 AC (44,980 LF)

TOTAL RELATIVELY PERMANENT WATER (RPW)

13.30 AC (47,695 LF)

TOTAL OF WETLANDS, PONDS, POST-72 ROAD, RPW'S & DITCHES 2,359.38 AC (92,675 LF)

SUMMERS CORNER

PROPOSED ACTIVITY: WETLAND PERMIT APPLICANT:

MWV - EAST EDISTO SUMMERS CORNER, LLC

LOCATION: DORCHESTER COUNTY, SC DATE: JUNE, 2015

JOB NUMBER: 4878-01-029 RN: SAC-2014-00892-2T

SHEET: 2 OF 83 SCALE: NTS

Bowman CONSULTING

210 Seven Farms Drive, Suite 101 Charleston, SC 29492 Phone: 843.501.0333

IMPACTS

WETLAND

JURISDICTIONAL

DEVELOPMENT FILL	3.72 AC
ROAD FILL	17.95 AC
POST 1972 SILIVICULTURE ROADS IMPACT	1.26 AC
LAGOON EXCAVATION	0.68 AC

SUBTOTAL WETLAND

23.61 AC

27.93 AC (1,081 LF)

LINEAL FEATURES

IMPACT TOTAL

JURISDICTIONAL DITCH THROUGH UPLAND - DEVELOPMENT FILL		0 AC
JURISDICTIONAL DITCH THROUGH UPLAND - ROAD FILL		0.25 AC (642 LF)
RPW - ROAD FILL	11111111111	0.18 AC (439 LF)
SUBTOTAL LINEAL FEATURES		0.43 AC (1,081 LF)
SUBTOTAL WETLANDS AND LINEAL		24.04 AC (1,081 LF)
EXISTING JURISDICTIONAL POND FILL		3.89 AC

SUMMERS CORNER

PROPOSED ACTIVITY:
WETLAND PERMIT
APPLICANT:
MWV - EAST EDISTO SUMMERS CORNER, LLC

LOCATION: DORCHESTER COUNTY, SC DATE: JUNE, 2015 JOB NUMBER: 4878-01-029 RN: SAC-2014-00892-2T

SHEET: 3 OF 83 SCALE: NTS



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SUMMARY AND LEGEND ONSITE AVOIDANCE AND MINIMIZATION

ONSITE AVOIDANCE AND MINIMIZATION

WETLAND

JURISDICTIONAL

WETLAND PRESERVATION 2,224.63 AC

POST 1972 SILIVICULTURE ROAD 7.63 AC

SUBTOTAL WETLAND 2,232.26 AC
JURISDICTIONALPONDS 2,232.26 AC

LINEAL FEATURES

JURISDICTIONAL DITCH THROUGH UPLAND PRESERVATION 12.79 AC (44,338 LF)

RELATIVELY PERMANENT WATER PRESERVATION 13.12 AC (47,256 LF)

SUBTOTAL LINEAL FEATURES 25.91 AC (91,594 LF)

ONSITE AVOIDANCE AND MINIMIZATION TOTALS 2,289.13 AC (91,594 LF)

SILVICULTURAL ROAD LEGEND

POST-1972 SILVICULTURAL ROAD =====



STORMWATER POND

OPEN SPACE / PARK AREAS

PHASE 1 DEVELOPMENT



SUMMERS CORNER

PROPOSED ACTIVITY:
WETLAND PERMIT
APPLICANT:
MWW - EAST EDISTO SUMMERS CORNER, LLC

LOCATION: DORCHESTER COUNTY, SC DATE: JUNE, 2015 JOB NUMBER: 4878-01-029 RN: SAC-2014-00892-2T

SHEET: 4 OF 83 SCALE: NTS

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WITHIN EASEMENTS - SUMMARY AND LEGEND

WITHIN EASEMENTS

WETLAND

WETLANDS

42.32 AC

SUBTOTAL WETLAND

42.32 AC

LINEAL FEATURES

RPW THROUGH UPLAND

11111

· · · · · · ·

0.20 AC (50 LF)

SUBTOTAL RPW THROUGH UPLAND

0.20 AC (50 LF)

WITHIN EASEMENTS TOTALS

42.52 AC (50 LF)

SUMMERS CORNER

PROPOSED ACTIVITY:
WETLAND PERMIT
APPLICANT:
MWV - EAST EDISTO SUMMERS CORNER, LLC

LOCATION: DORCHESTER COUNTY, SC DATE: JUNE, 2015 JOB NUMBER: 4878-01-029 RN: SAC-2014-00892-2T

SHEET: 5 OF 83 SCALE: NTS

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BUFFERS - SUMMARY AND LEGEND

WETLAND

50' AVERAGE, 25' MINIMUM UPLAND BUFFER OF JURISDICTIONAL WETLANDS



437.32 AC

BUFFER TOTAL

437.32 AC

MISCELLANEOUS

BRIDGE / ARCH CULVERT SPANS OF JURISDICTIONAL LINEAL FEATURE - NO IMPACT

12

JUMMERS CORNER.

PROPOSED ACTIVITY:
WETLAND PERMIT
APPLICANT:

MWV - EAST EDISTO SUMMERS CORNER, LLC

LOCATION: DORCHESTER COUNTY, SC DATE: JUNE, 2015 JOB NUMBER: 4878-01-029 RN: SAC-2014-00892-2T

SHEET: 6 OF 83 SCALE: NTS

Bowman CONSULTING

210 Seven Farms Drive, Suite 101 Charleston, SC 29492 Phone: 843.501.0333

KEY TO WETLAND FEATURE NAMES S1 = SECTION 1S2 = SECTION 2**SECTION OR** S4 = SECTION 4 TRACT NAME S7 = SECTION 7S9A = SECTION 9A S9B = SECTION 9B DW = DICK WEST TRACT ST = SUMMERS TRACT **FEATURE TYPE** BP = BORROW PIT W = WETLAND **FEATURE** MAY HAVE AN ALPHABETICAL LETTER NUMBER AFTER THE NUMBER IF THE FEATURE HAS MULTIPLE SEGMENTS. S2-W50AJ = JURISDICTIONAL JD SRP72 = SILIVICULTURE ROAD -POST 1972 **FEATURE CLASS**

JUMMERS CORNER

PROPOSED ACTIVITY: WETLAND PERMIT APPLICANT:

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SHEET: 7 OF 83 SCALE: NTS

Bowman

210 Seven Farms Drive, Suite 101 Charleston, SC 29492 Phone: 843.501.0333

KEY TO JURISDICTIONAL DITCH AND RPW FEATURE NAMES S1 = SECTION 1S2 = SECTION 2**SECTION OR** S4 = SECTION 4TRACT NAME S7 = SECTION 7S9A = SECTION 9A S9B = SECTION 9BDW = DICK WEST TRACT ST = SUMMERS TRACT **FEATURE TYPE** JDD = JURISDICTIONAL DITCH RPW = RELATIVELY PERMANENT WATER **FEATURE** MAY HAVE AN ALPHABETICAL LETTER NUMBER AFTER THE NUMBER IF THE FEATURE HAS MULTIPLE SEGMENTS. S2-RPW18U = UPLAND U W = WETLAND **FEATURE CLASS**

JUMMERS CORNER

PROPOSED ACTIVITY: WETLAND PERMIT APPLICANT:

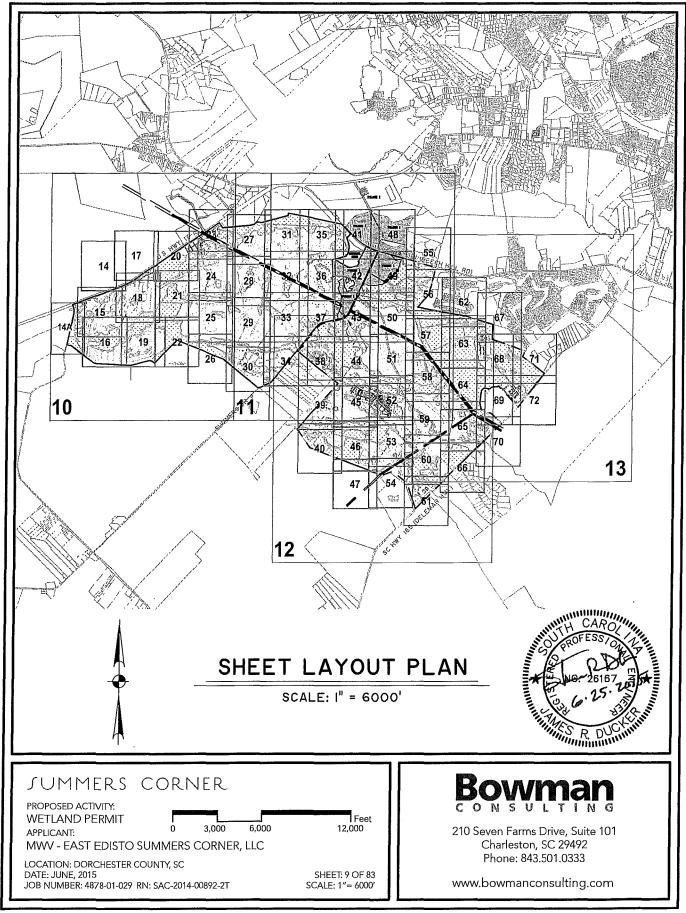
MWV - EAST EDISTO SUMMERS CORNER, LLC

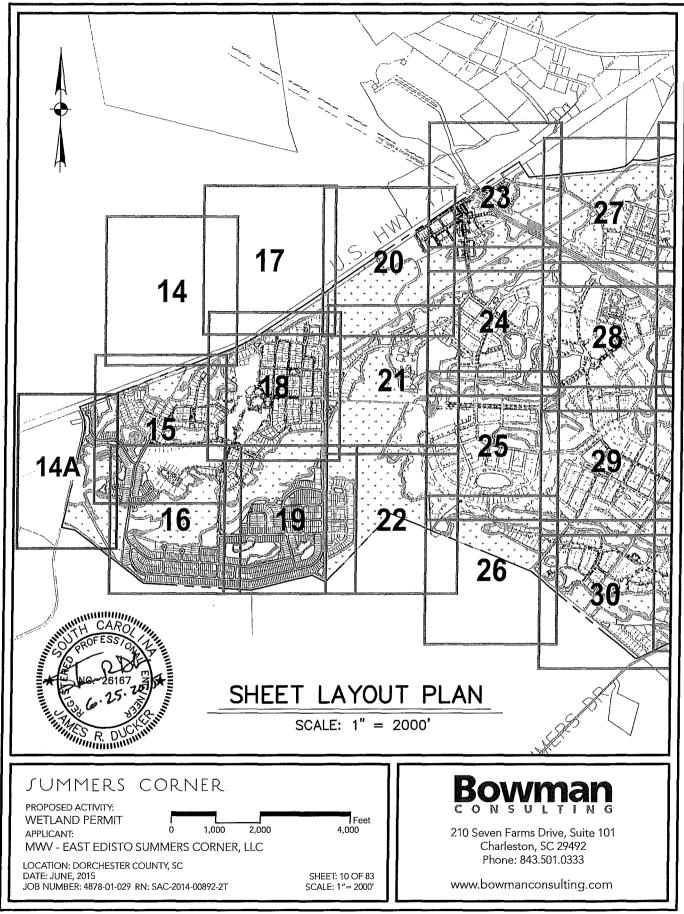
LOCATION: DORCHESTER COUNTY, SC DATE: JUNE, 2015 JOB NUMBER: 4878-01-029 RN: SAC-2014-00892-2T

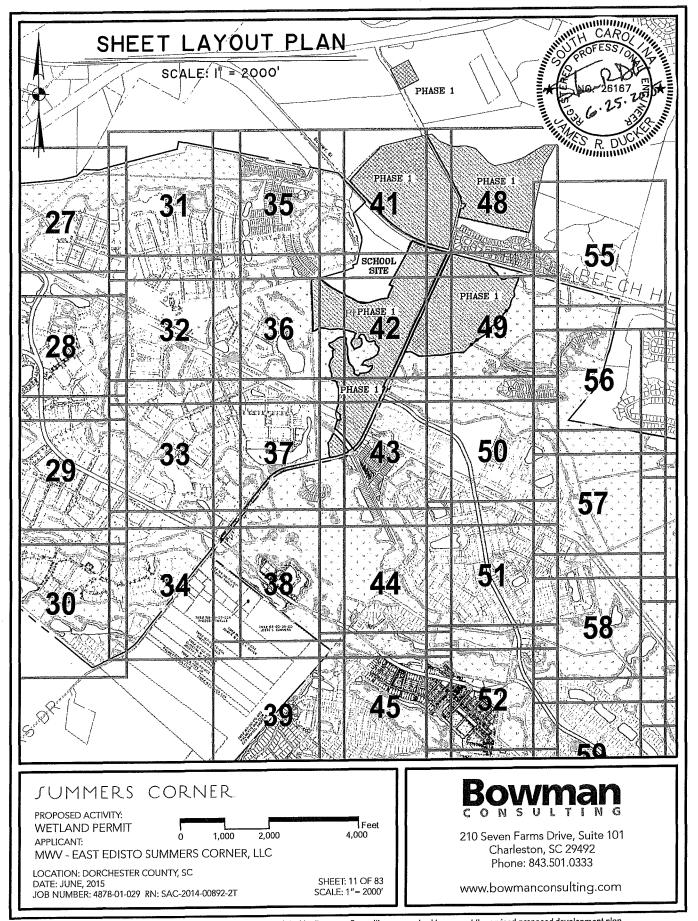
SHEET: 8 OF 83 SCALE: NTS

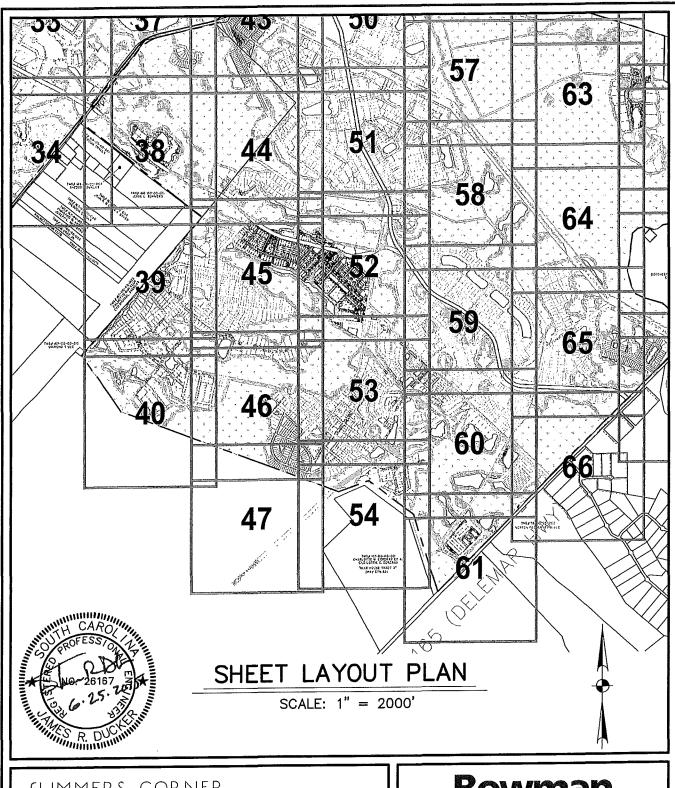
Bowman

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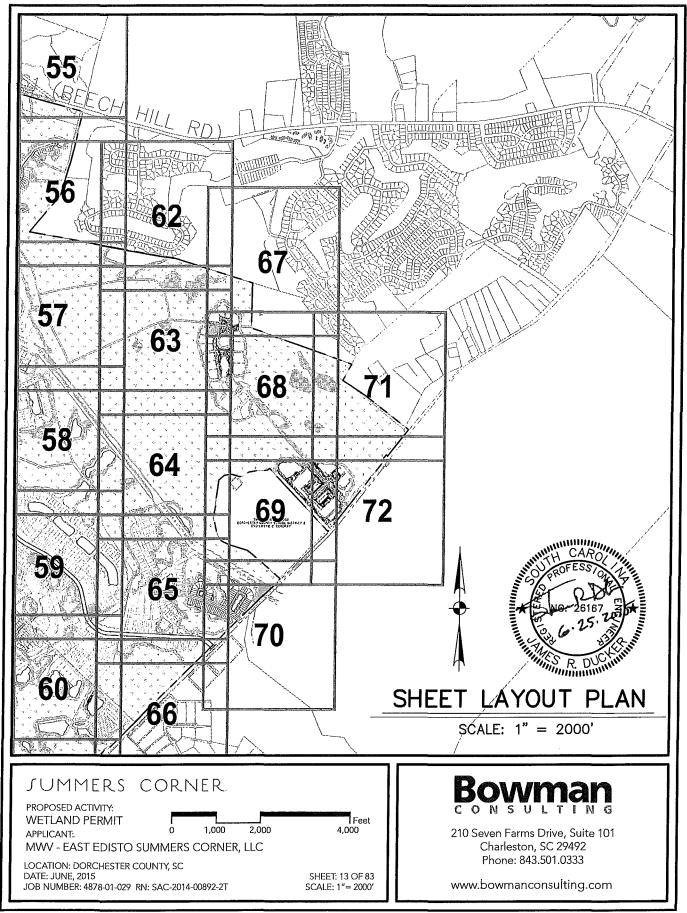




CORNER. SUMMERS PROPOSED ACTIVITY: Feet WETLAND PERMIT 2,000 4,000 1,000 APPLICANT: MWV - EAST EDISTO SUMMERS CORNER, LLC

LOCATION: DORCHESTER COUNTY, SC DATE: JUNE, 2015 JOB NUMBER: 4878-01-029 RN: SAC-2014-00892-2T SHEET: 12 OF 83 SCALE: 1"= 2000'

210 Seven Farms Drive, Suite 101 Charleston, SC 29492 Phone: 843.501.0333



TMS# 140-00-00-038 MWV-EAST EDISTO DORCHESTER LLC ATTN: CAROL BROCK





O Ø B eron i

PRE-72 SILVICULTURAL ROAD

MATCH LINE-SEE SHT 15 **ROAD IMPACT** "S9A-W4JD" 0.28 AC

SUMMERS CORNER

PROPOSED ACTIVITY: WETLAND PERMIT APPLICANT:

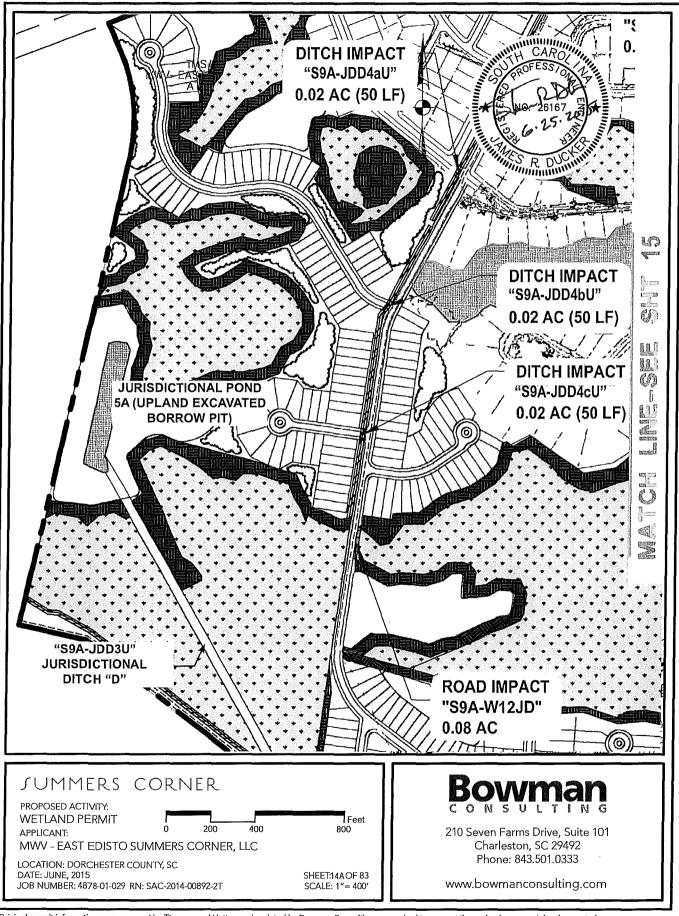
Feet 400 800 200

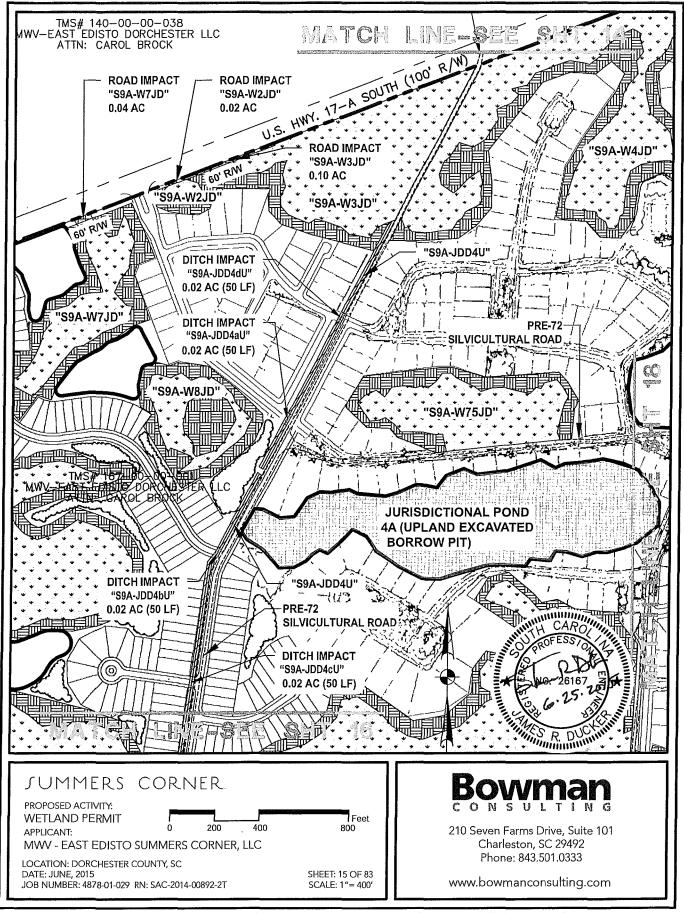
MWV - EAST EDISTO SUMMERS CORNER, LLC

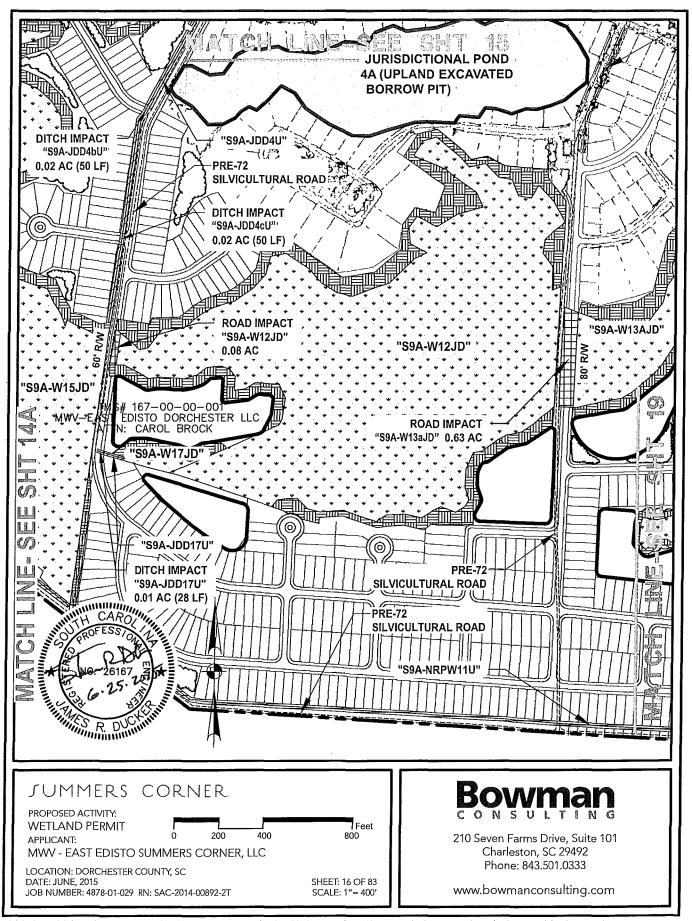
LOCATION: DORCHESTER COUNTY, SC DATE: JUNE, 2015 JOB NUMBER: 4878-01-029 RN: SAC-2014-00892-2T

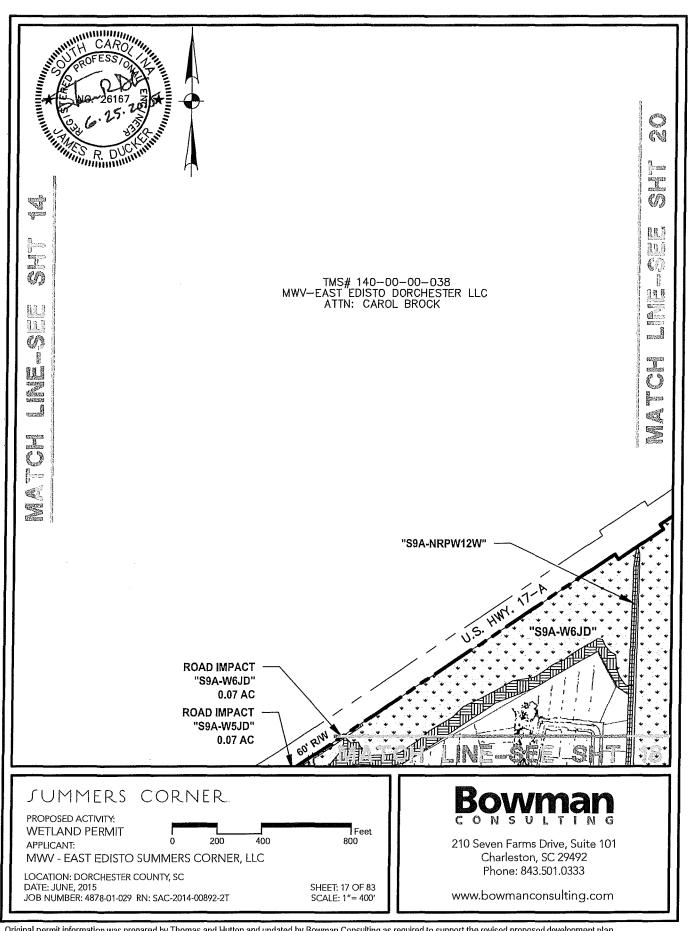
SHEET: 14 OF 83 SCALE: 1"= 400'

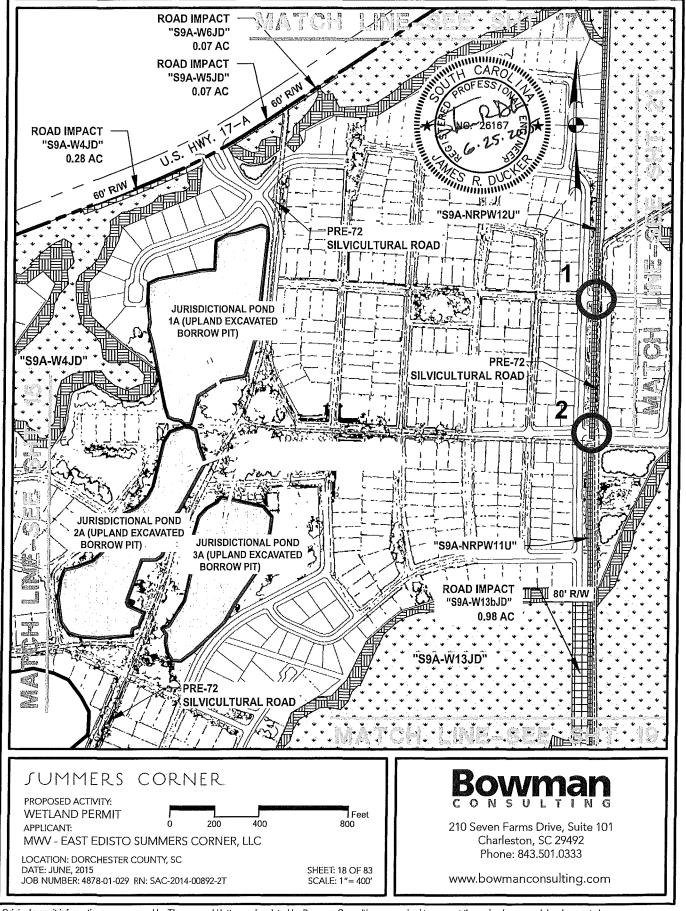
210 Seven Farms Drive, Suite 101 Charleston, SC 29492 Phone: 843.501.0333

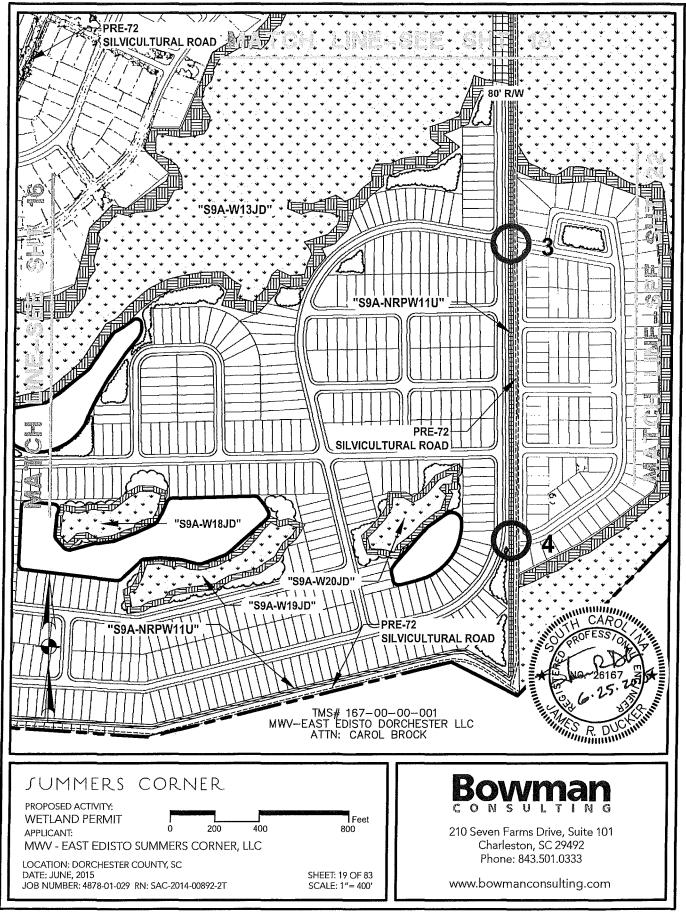


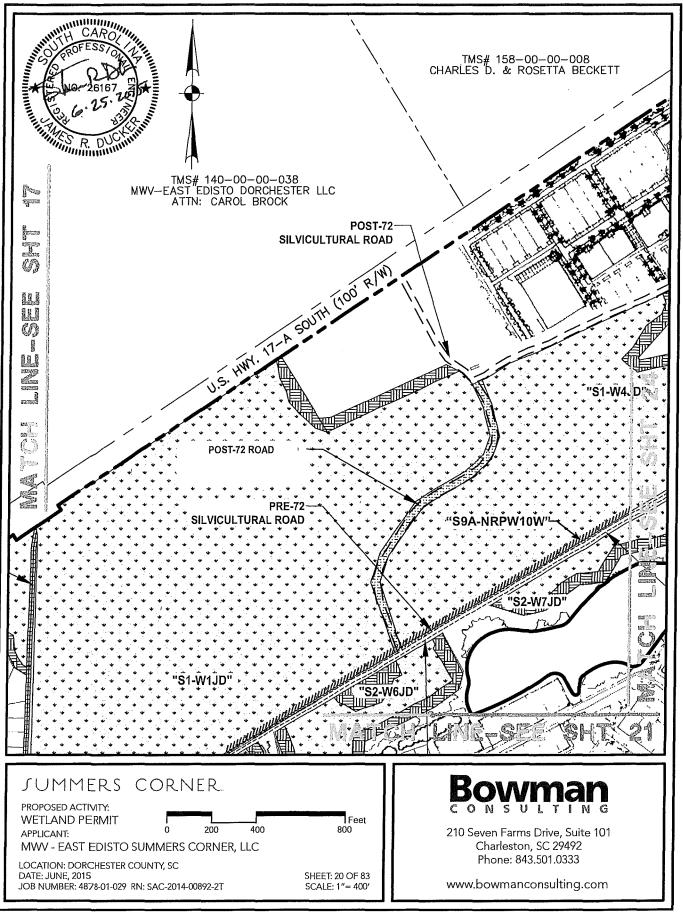


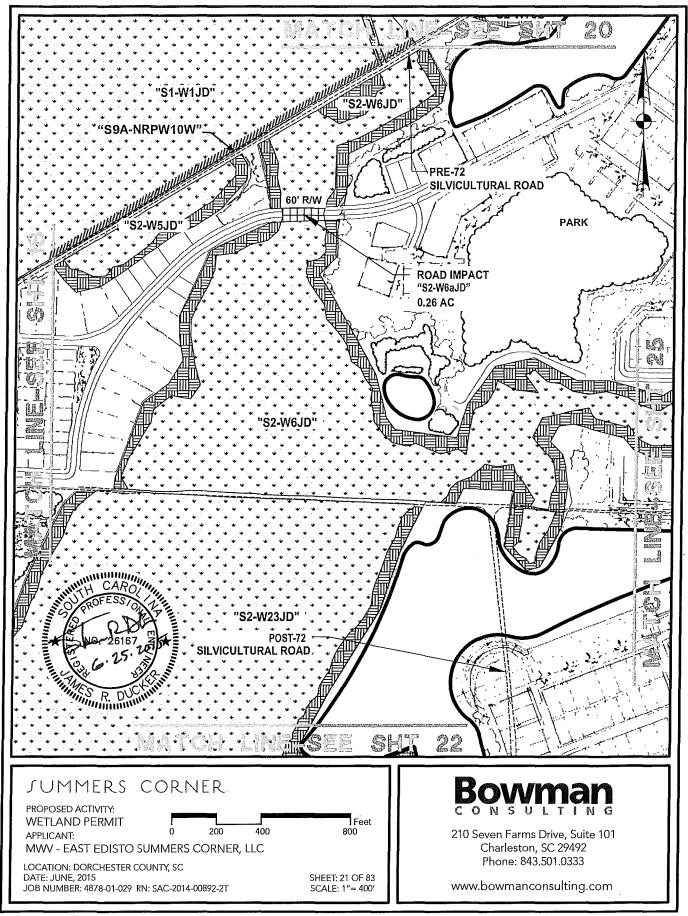


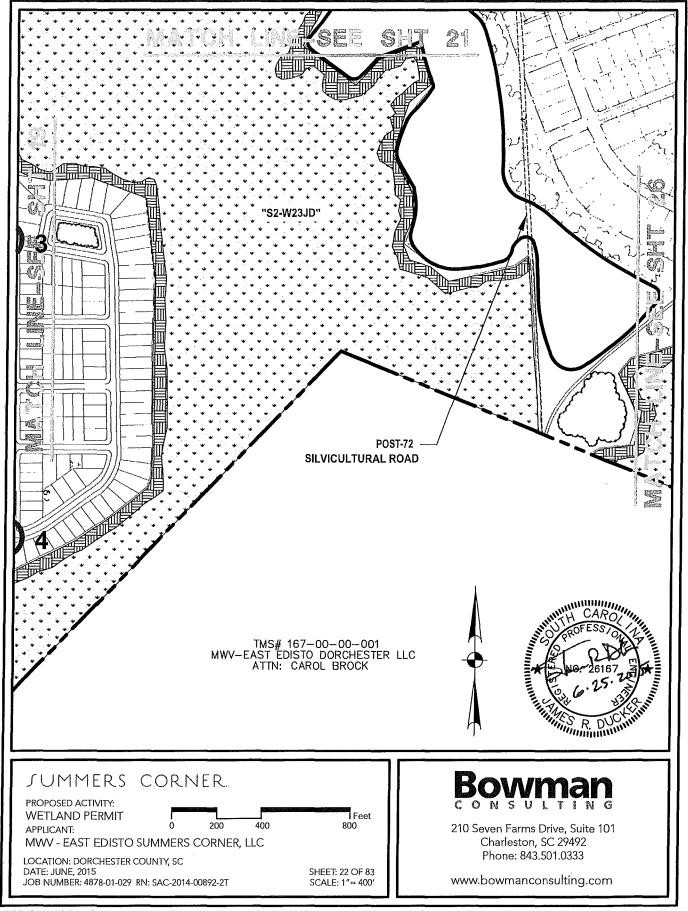


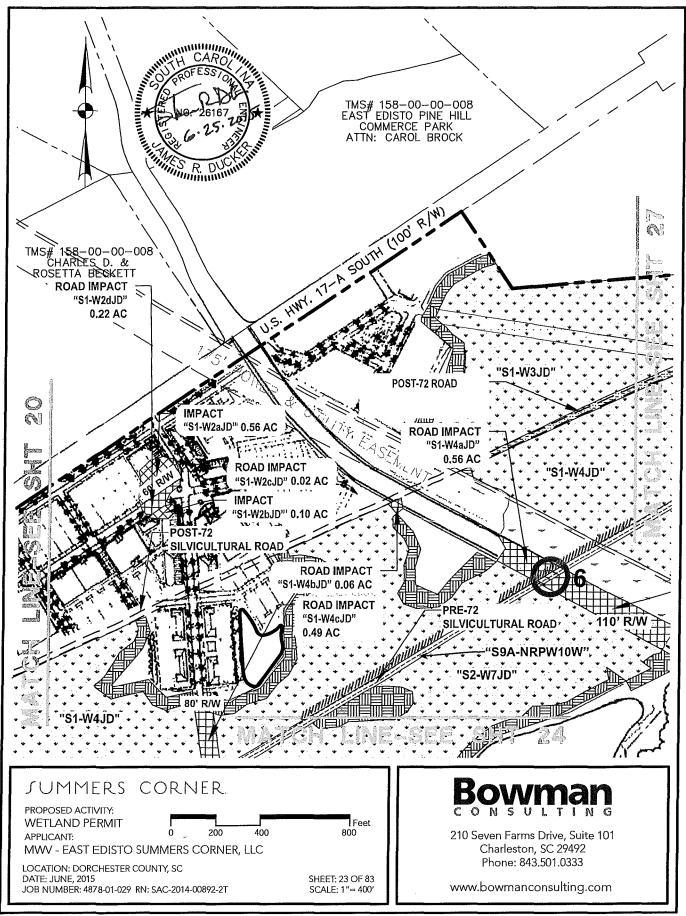


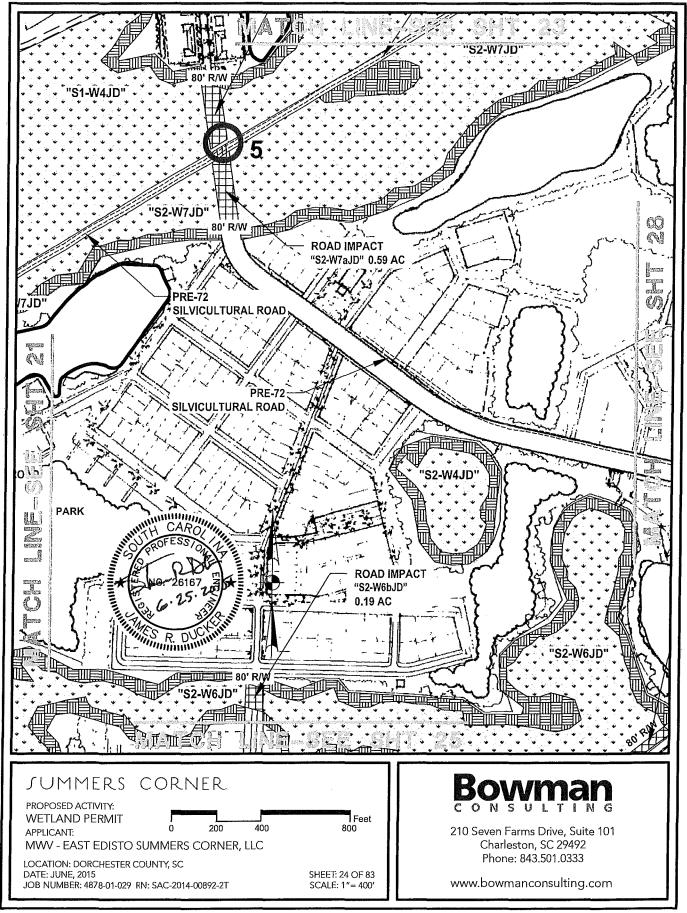


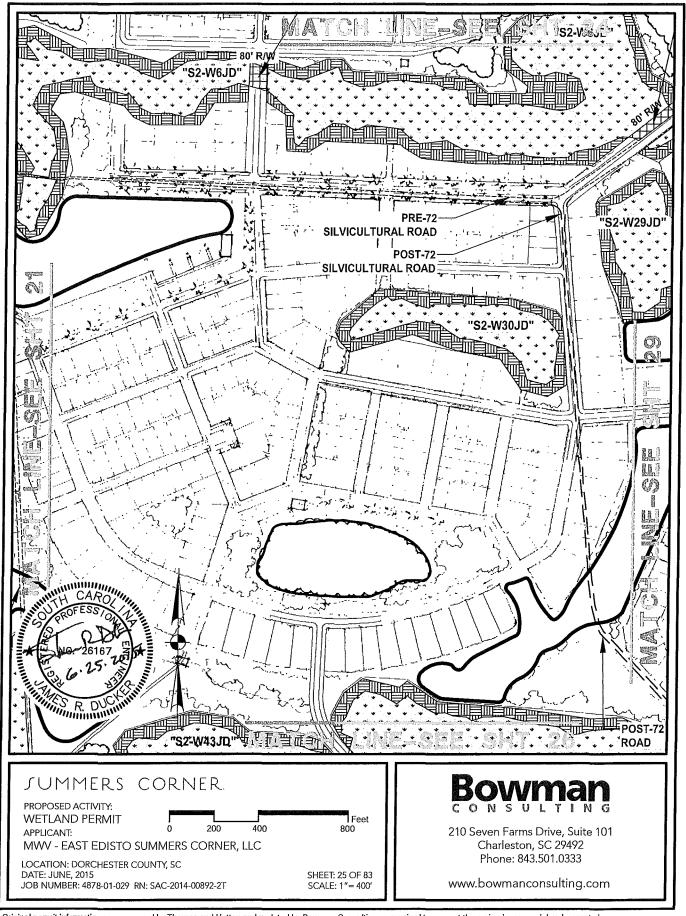


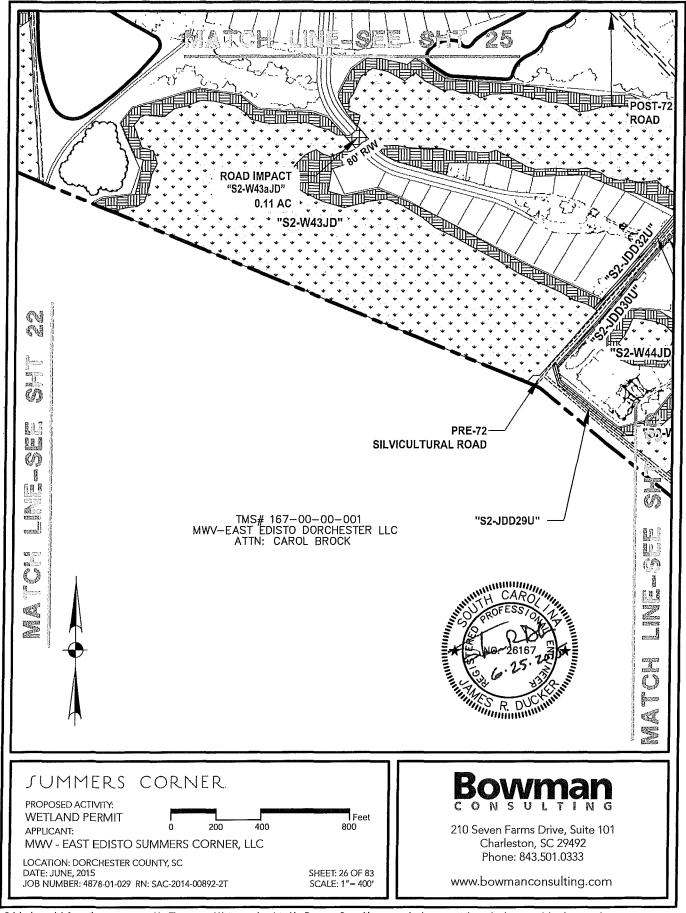


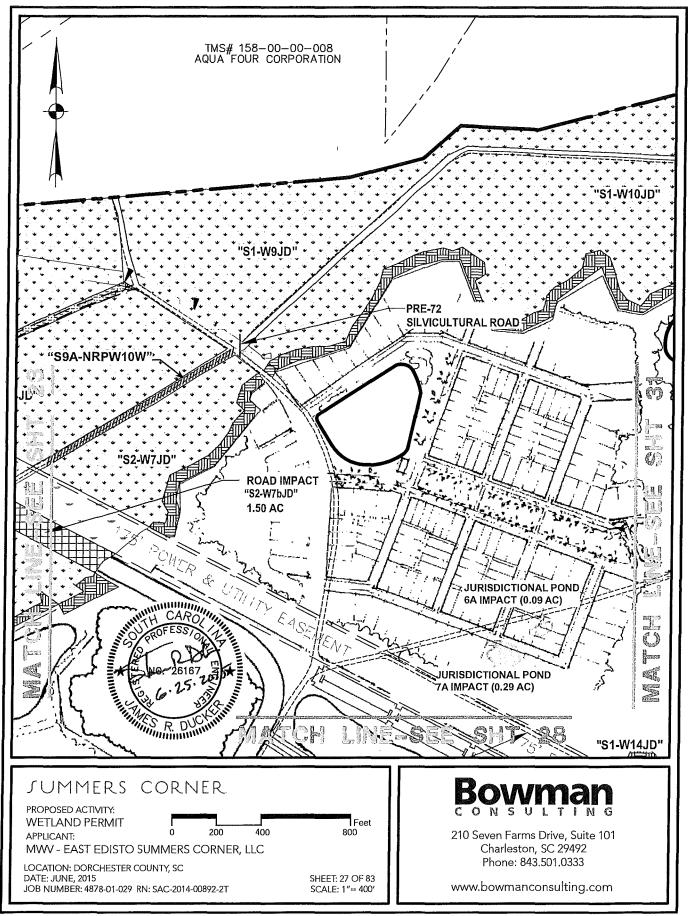


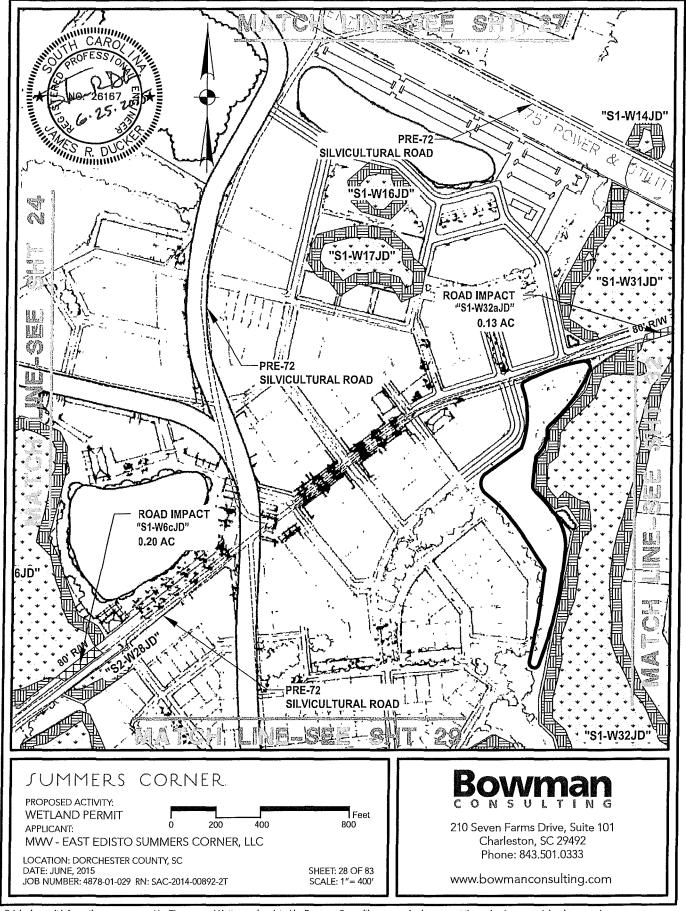


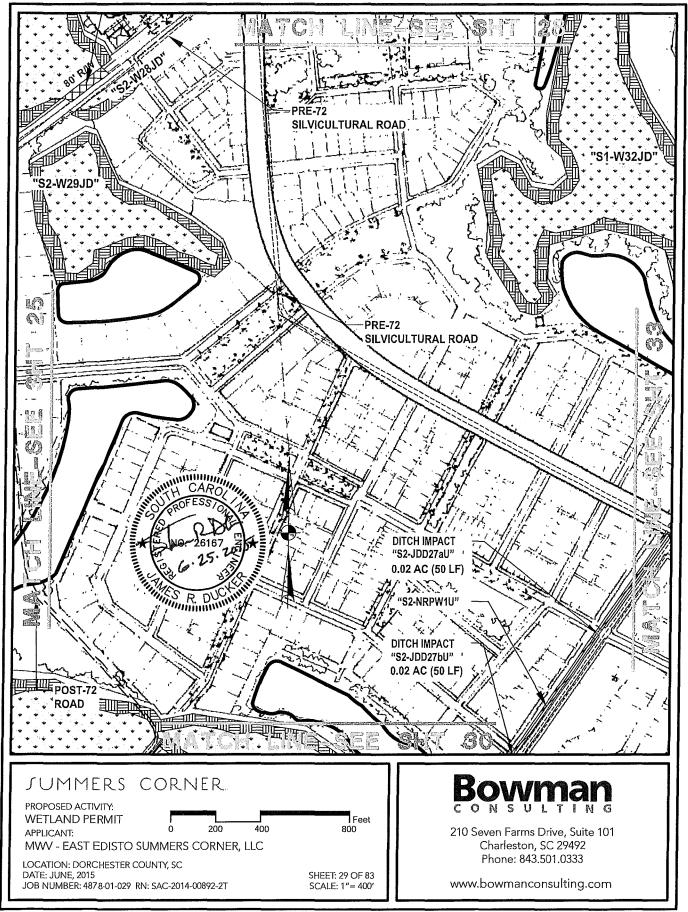


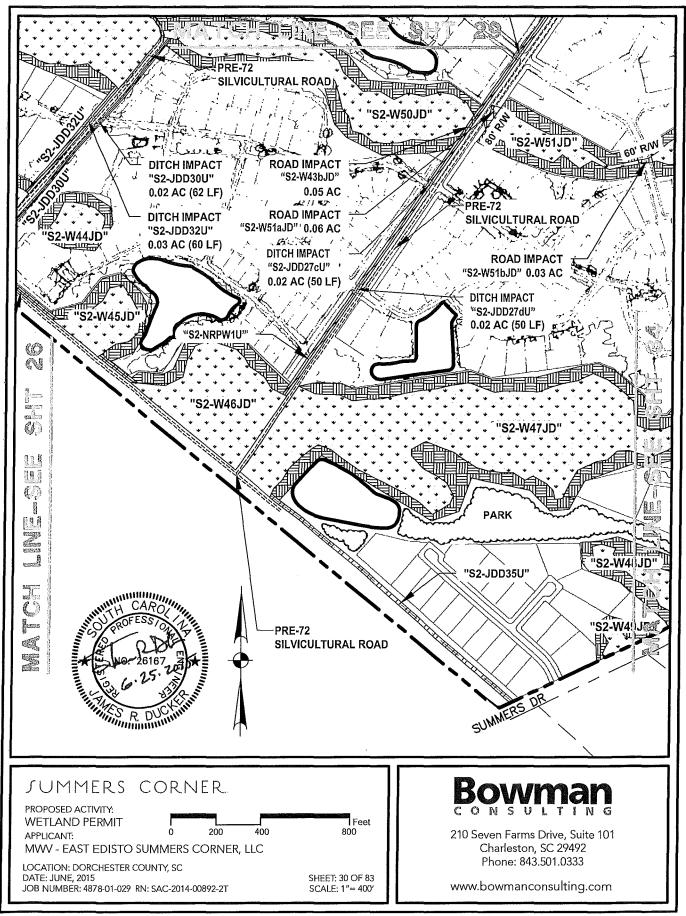


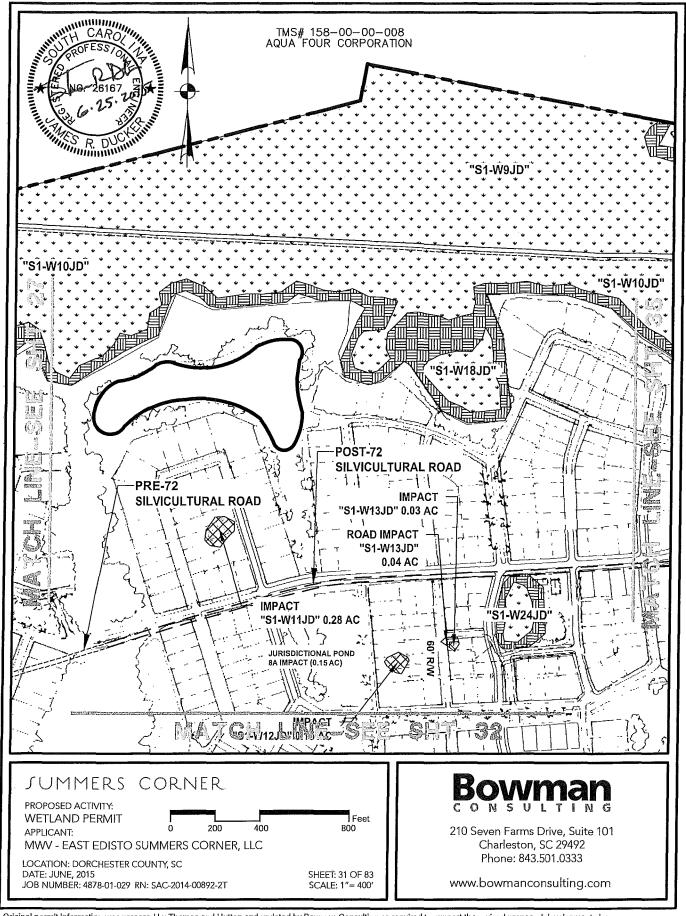


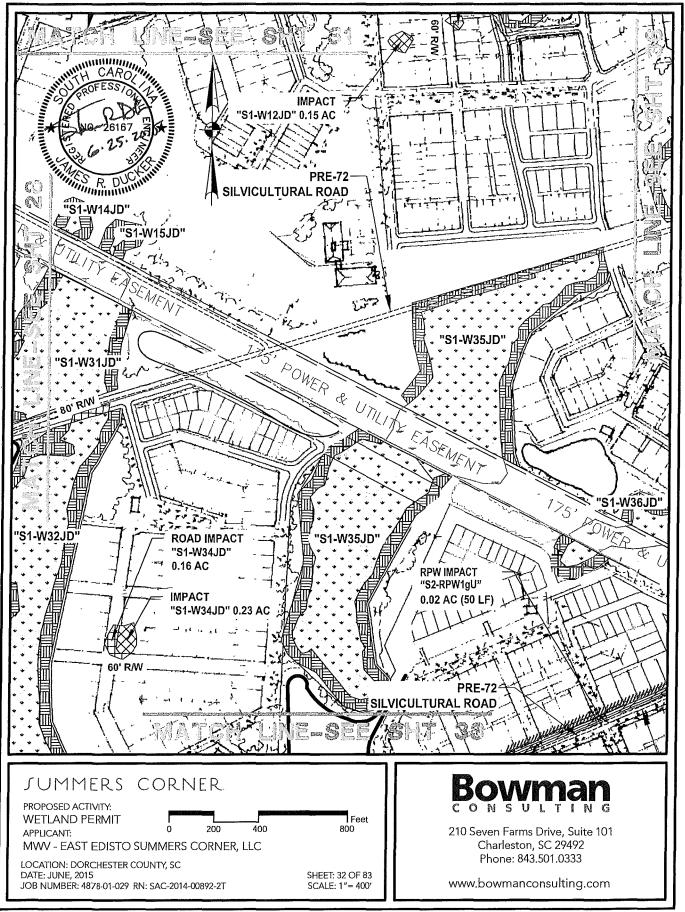


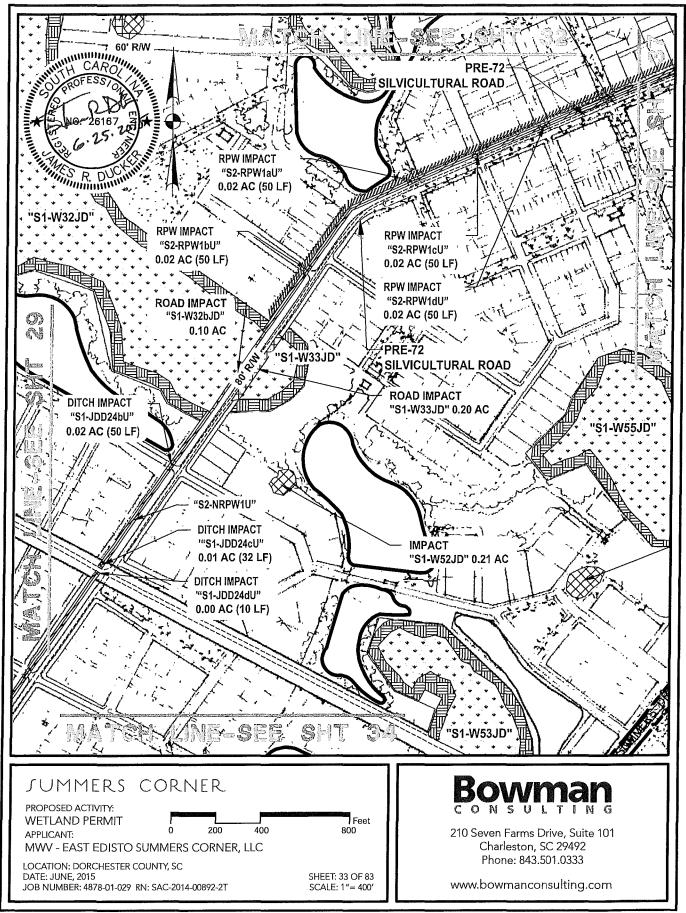


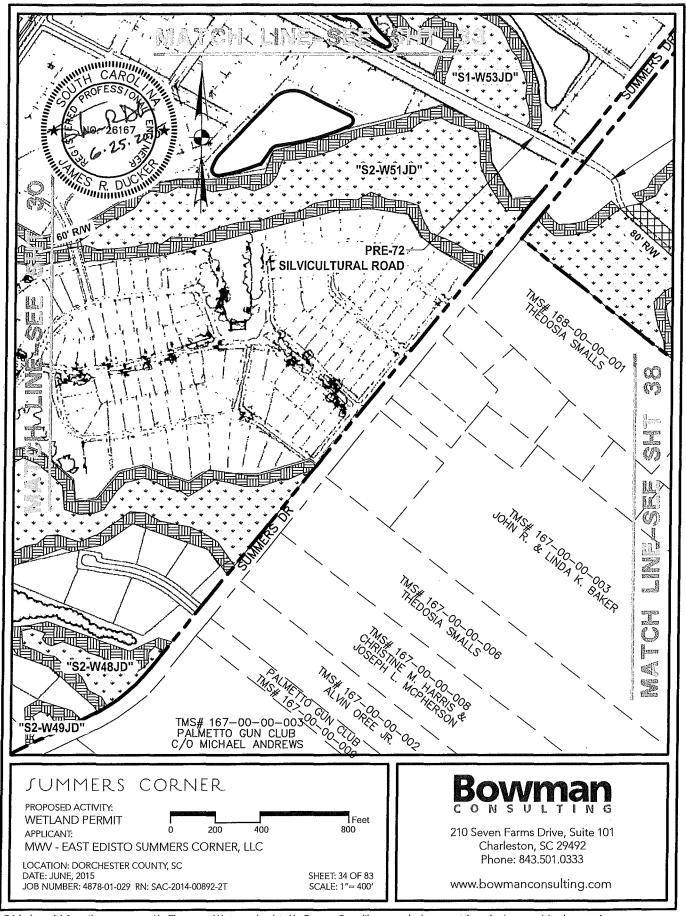


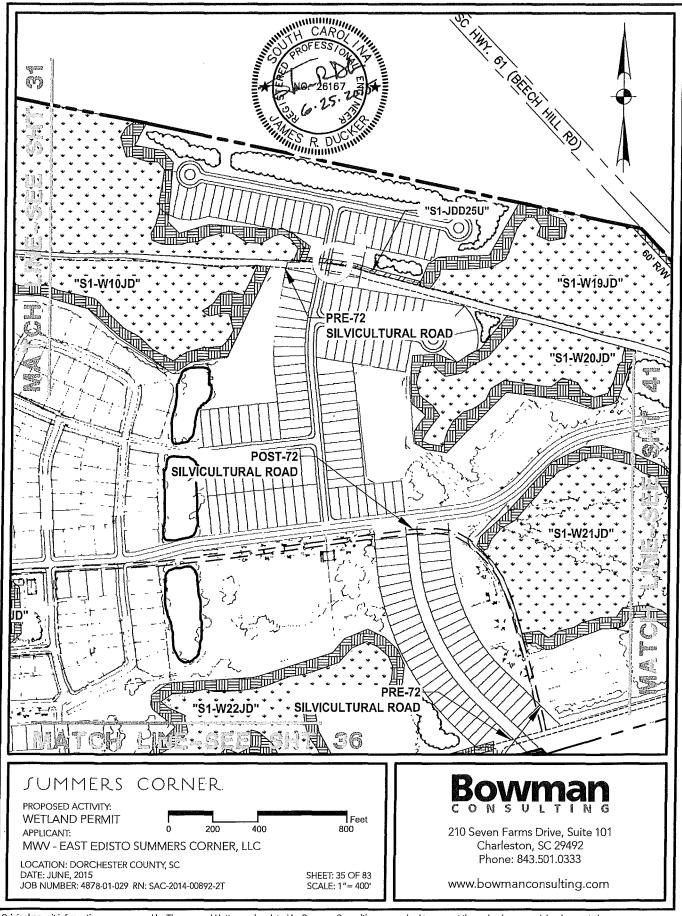


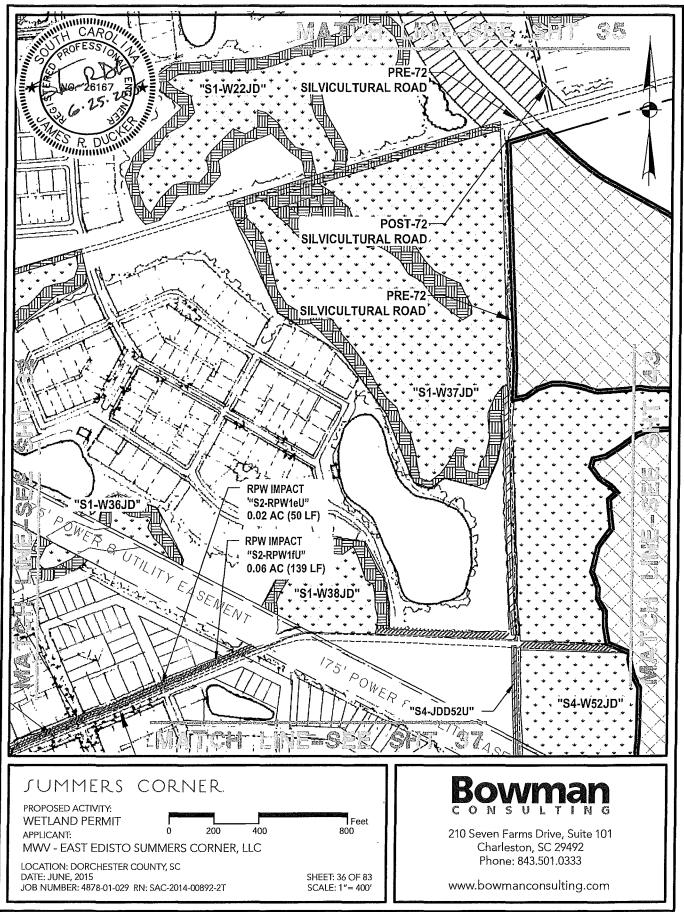


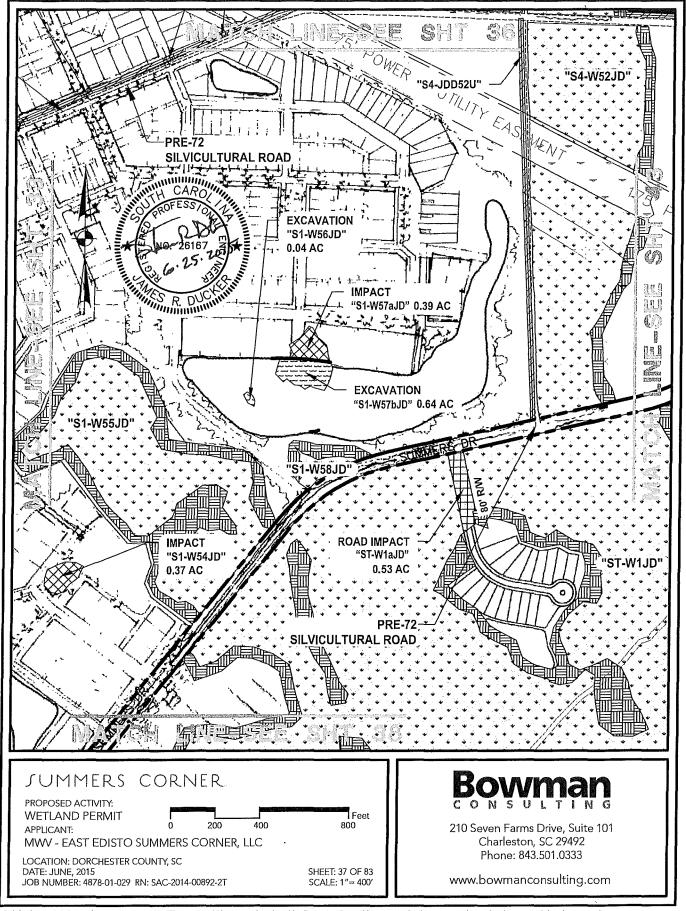


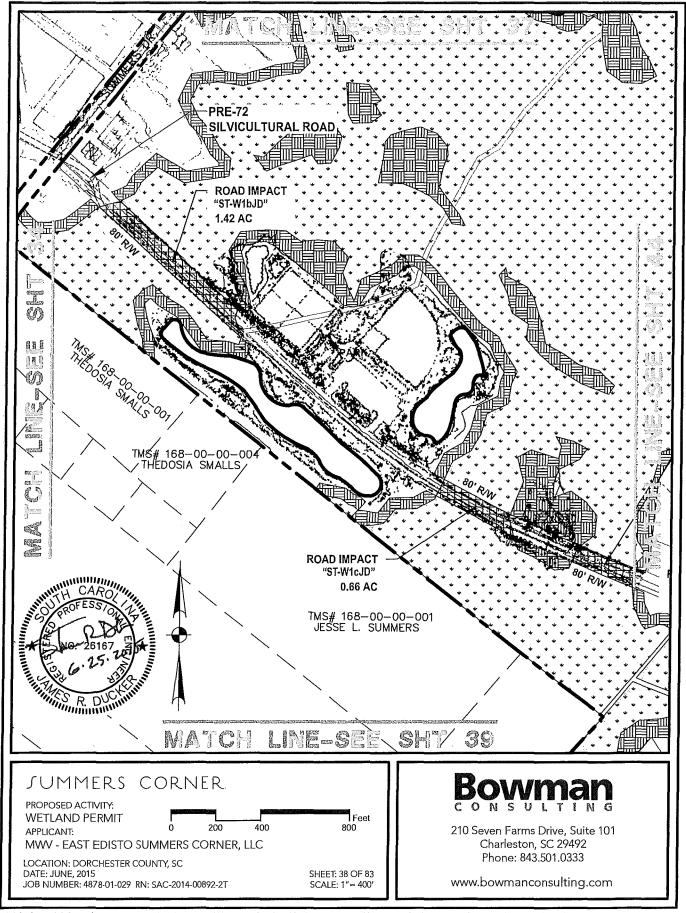


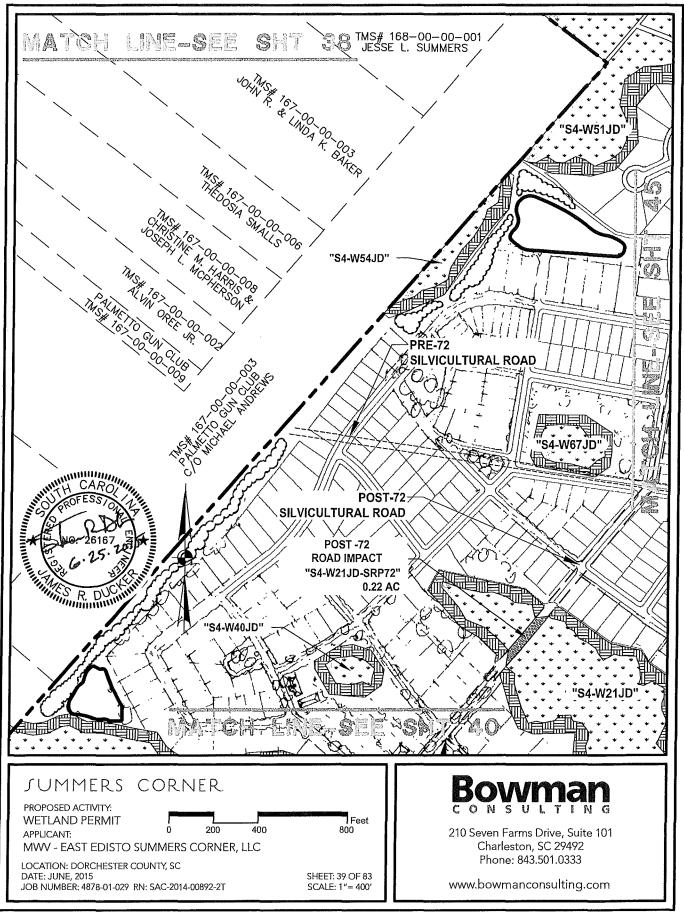


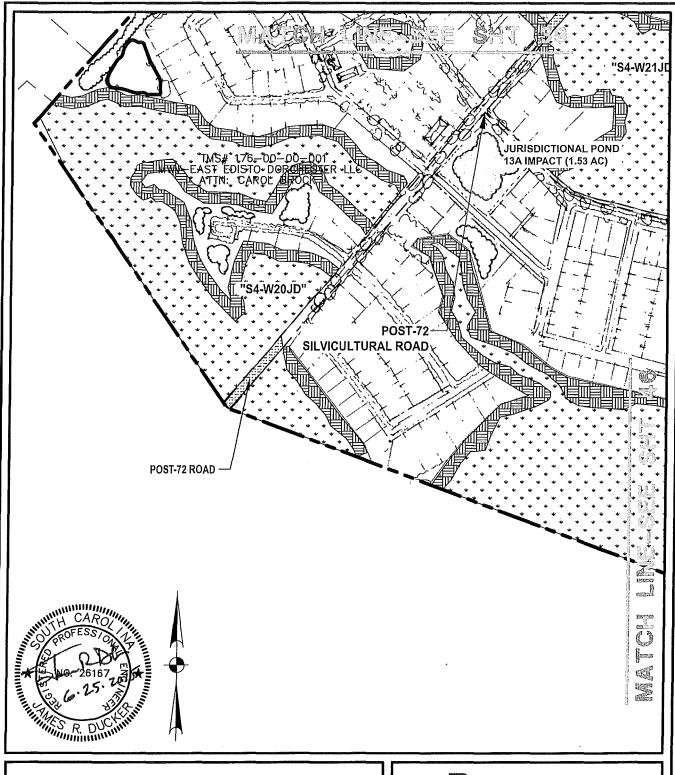












PROPOSED ACTIVITY: WETLAND PERMIT APPLICANT: MWW - EAST EDISTO SUMMERS CORNER, LLC

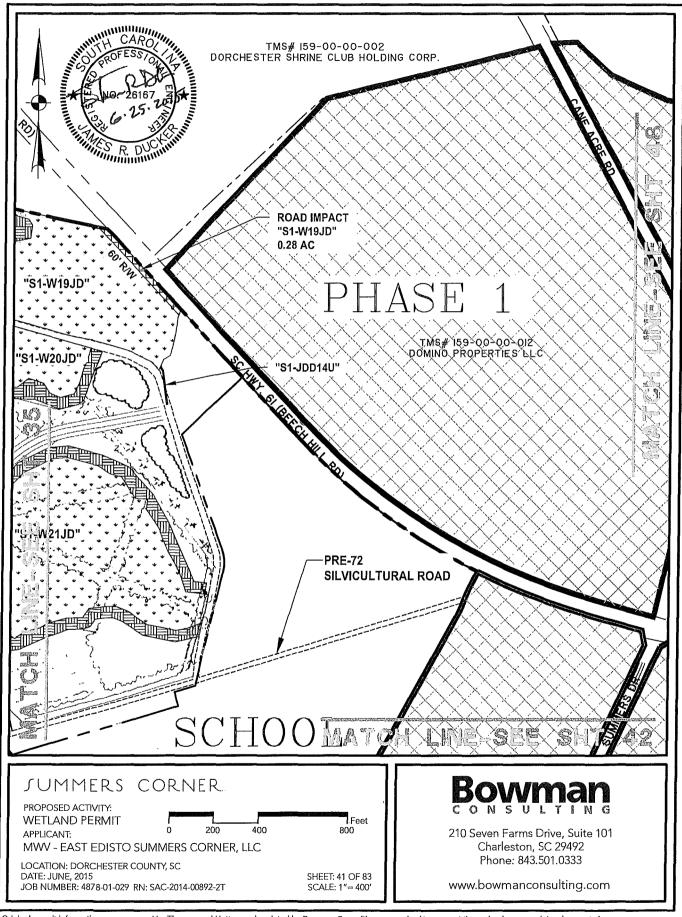
LOCATION: DORCHESTER COUNTY, SC DATE: JUNE, 2015 JOB NUMBER: 4878-01-029 RN: SAC-2014-00892-2T

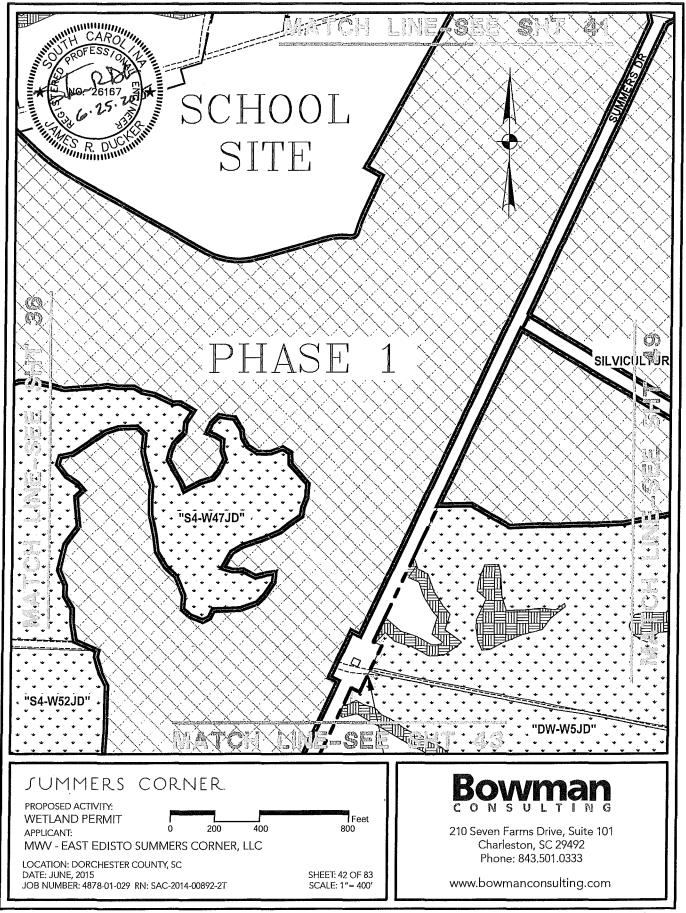
SHEET: 40 OF 83 SCALE: 1"= 400'

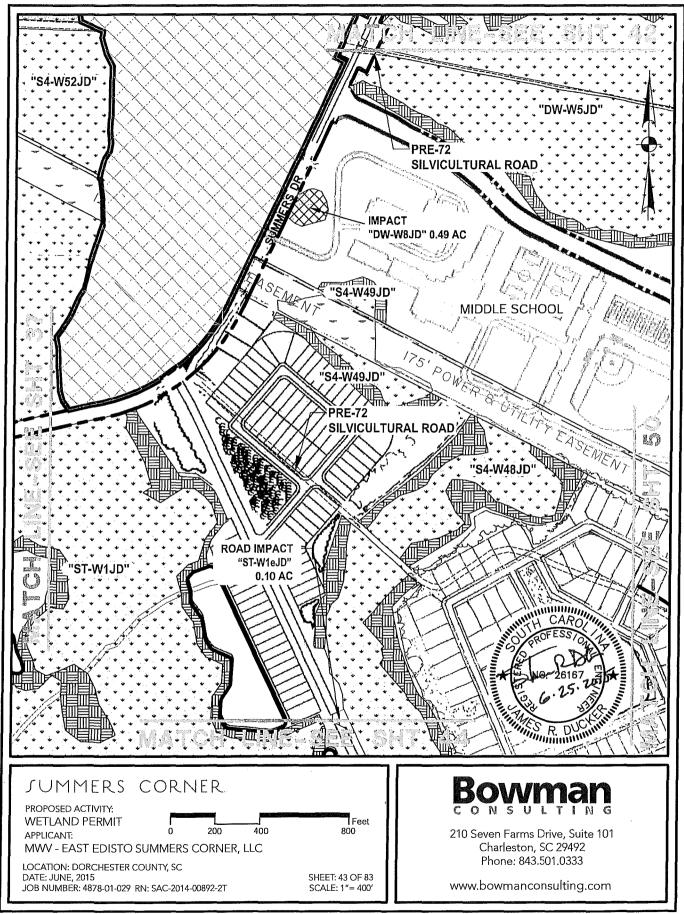
Bowman

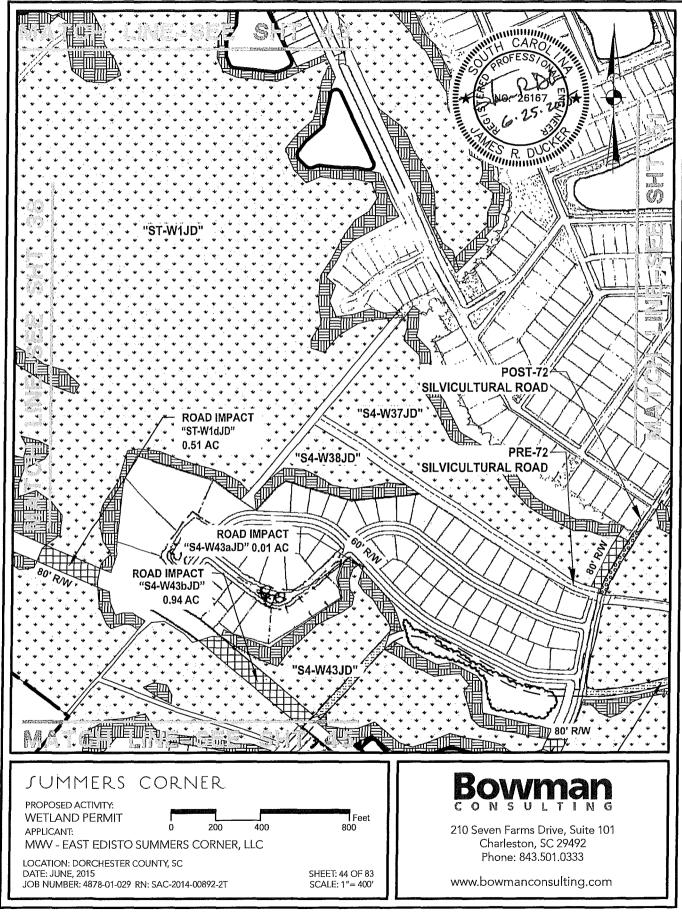
210 Seven Farms Drive, Suite 101 Charleston, SC 29492 Phone: 843.501.0333

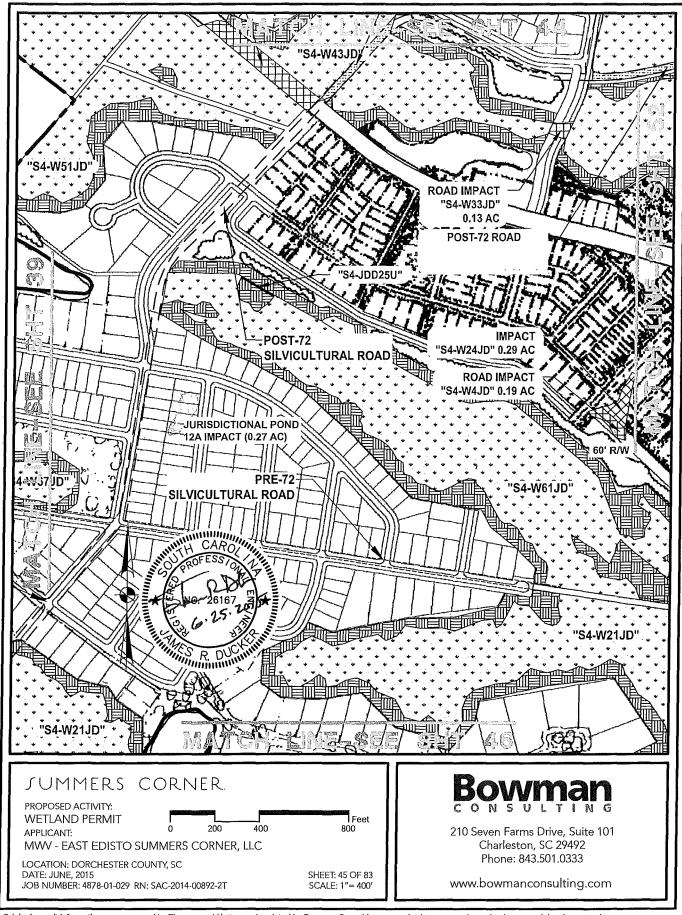
www.bowmanconsulting.com

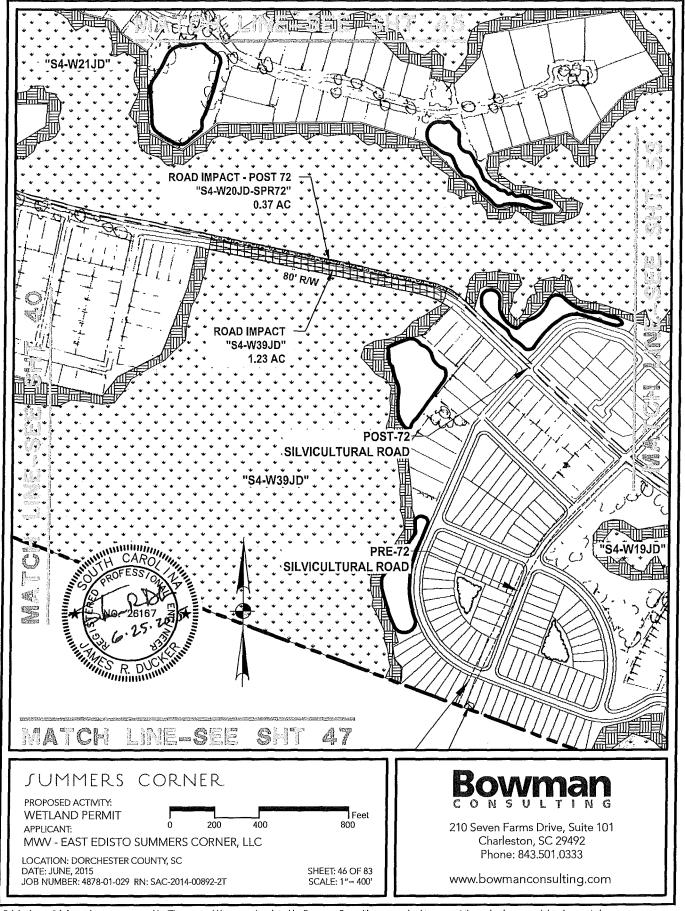


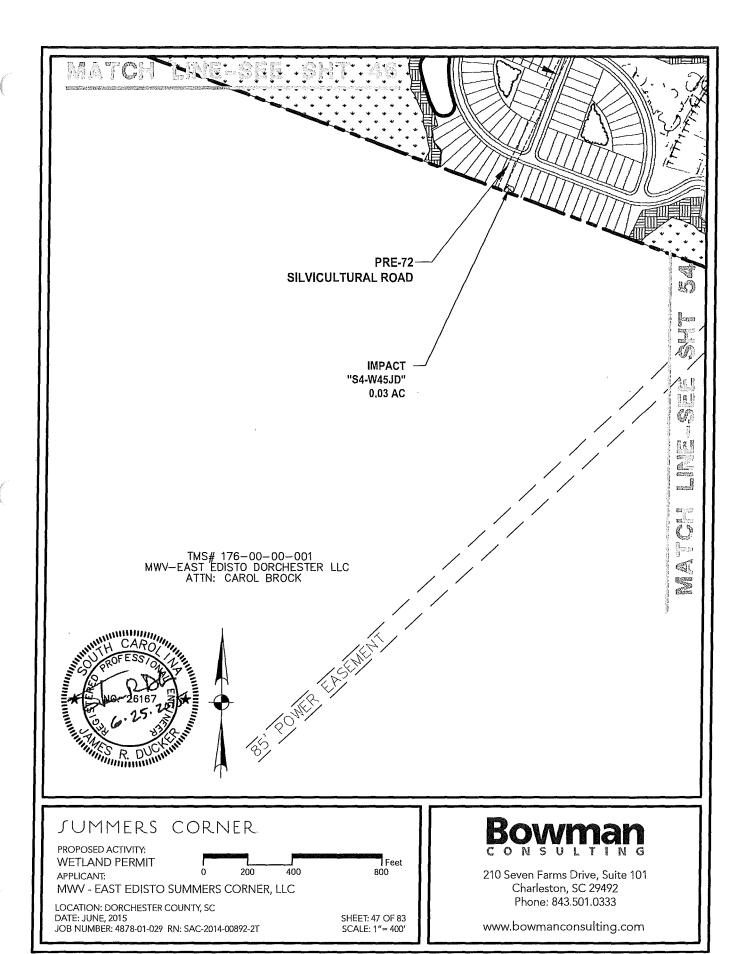


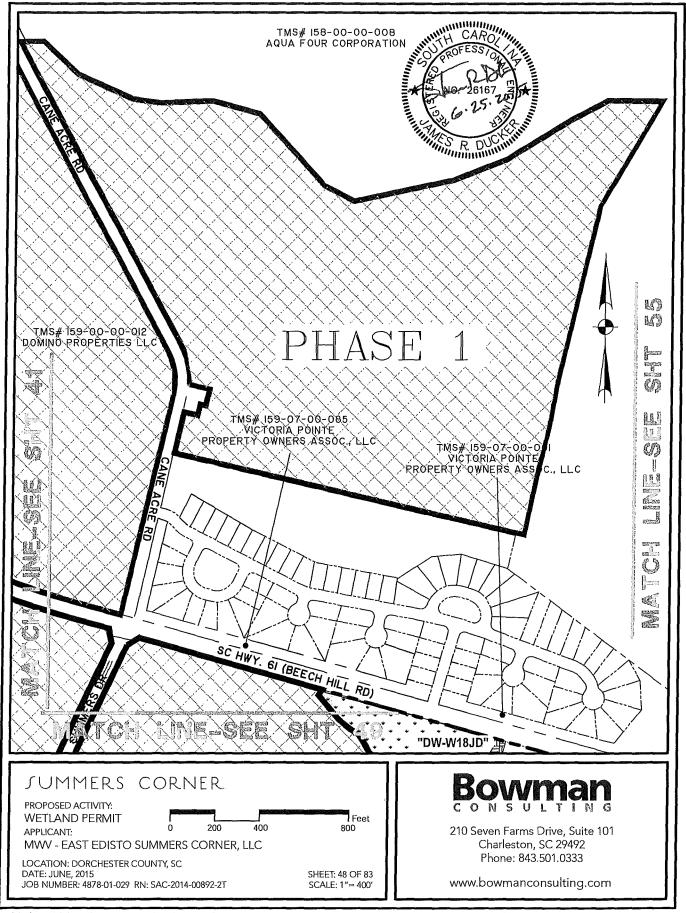


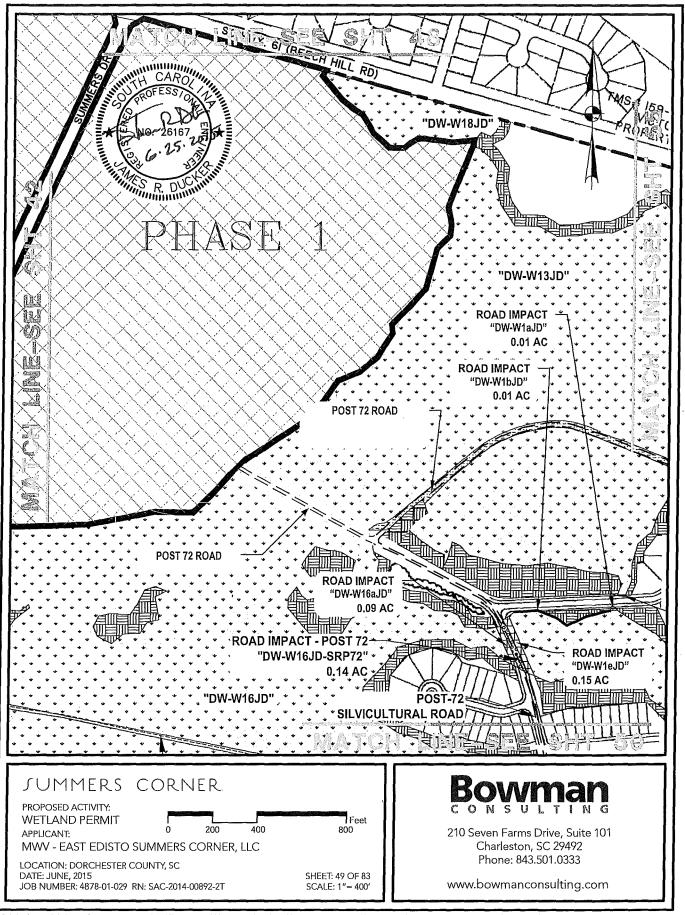


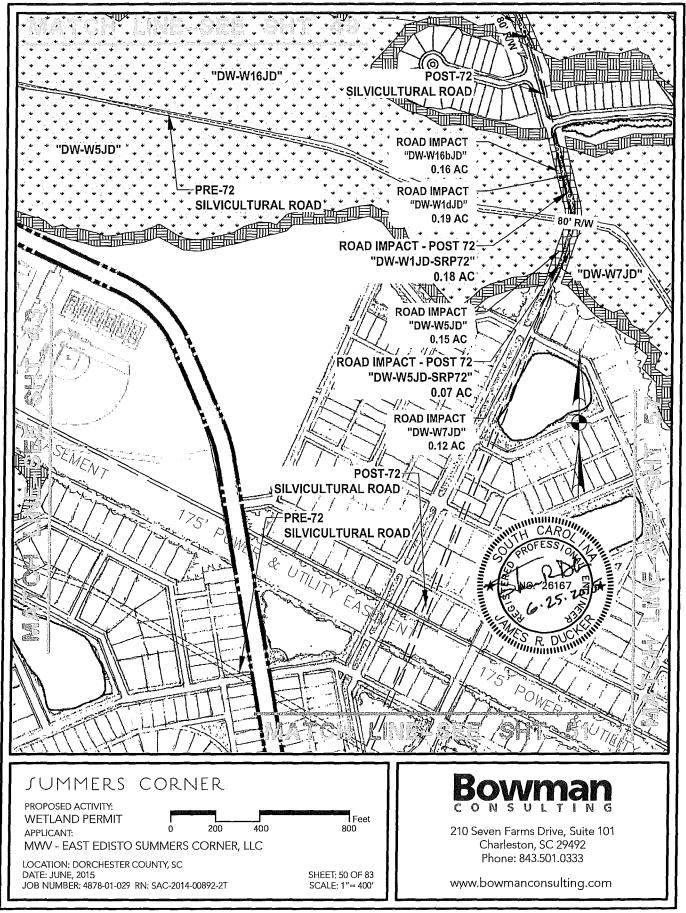


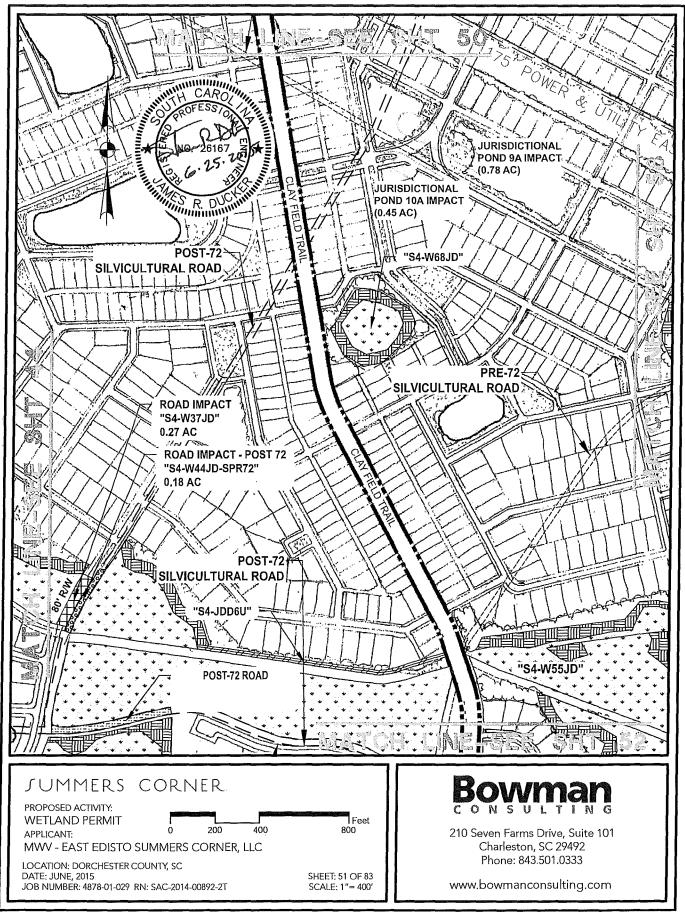


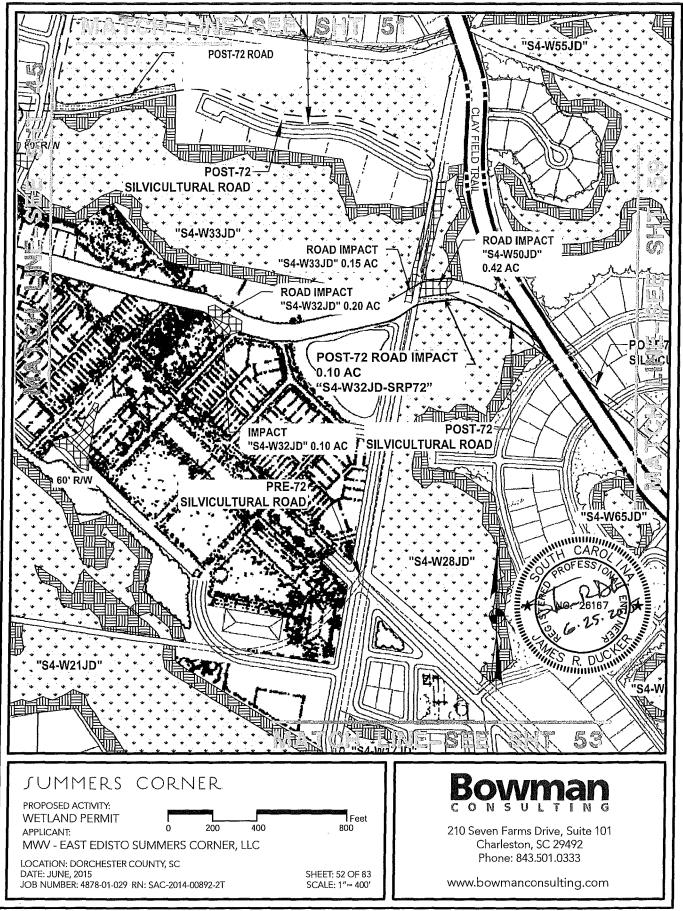


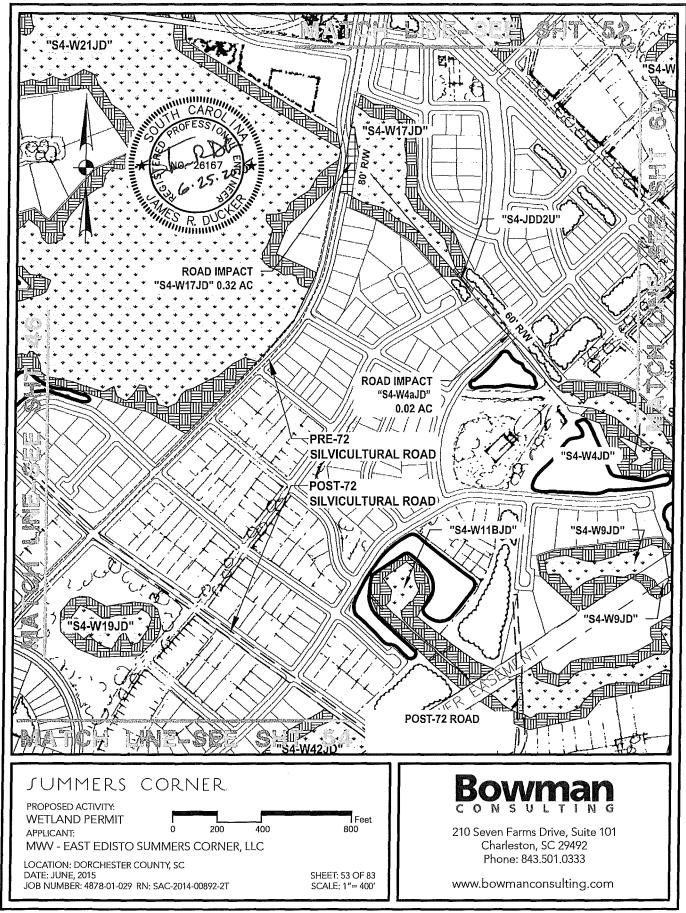


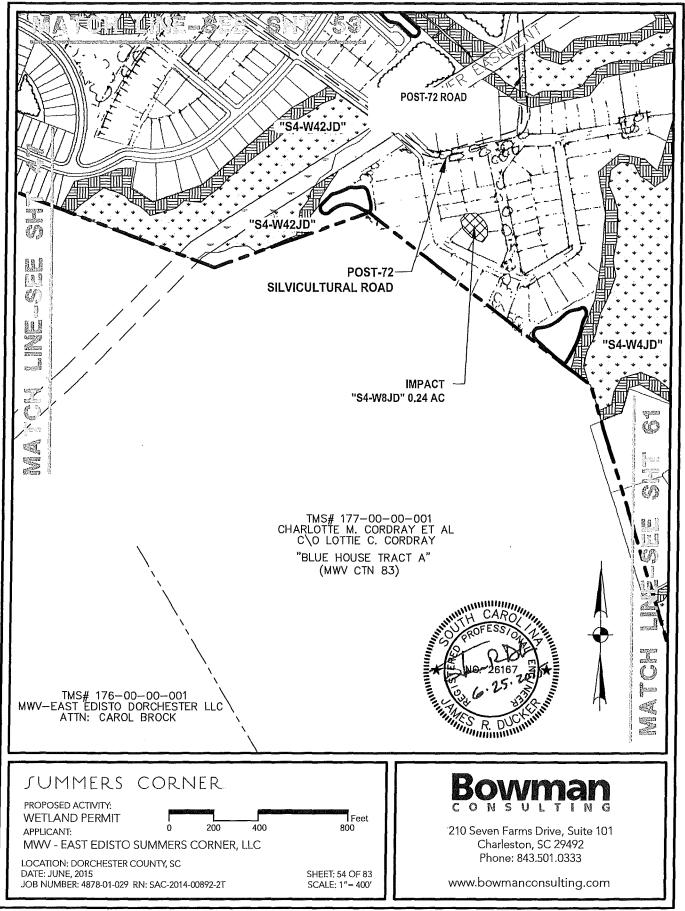


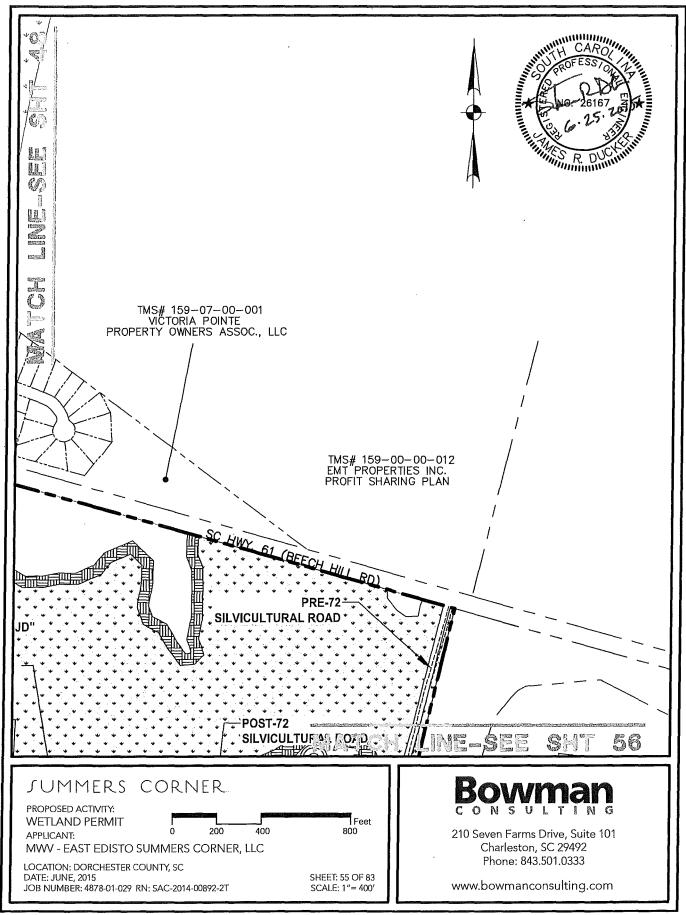


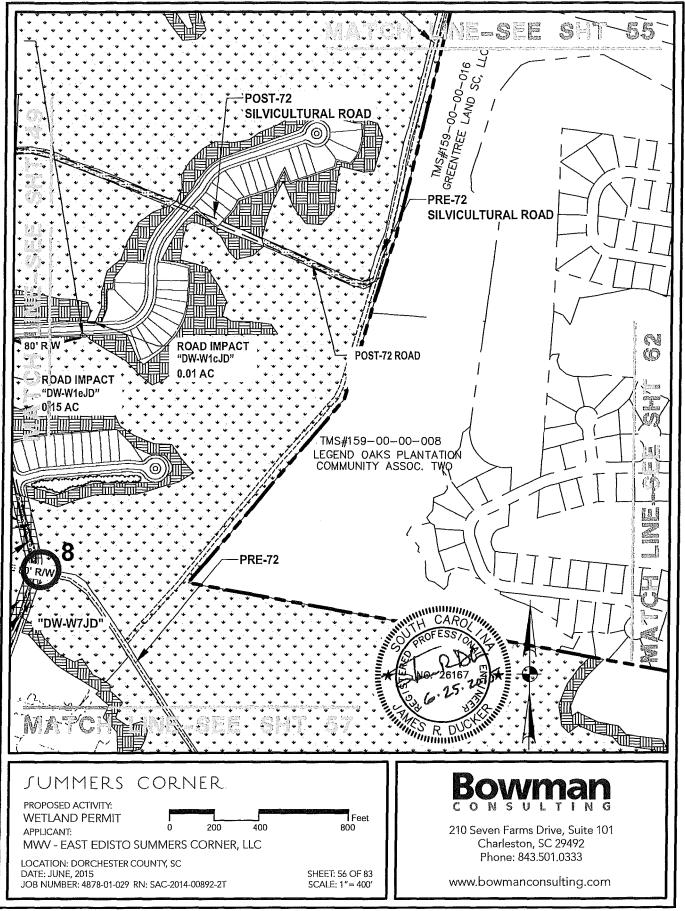


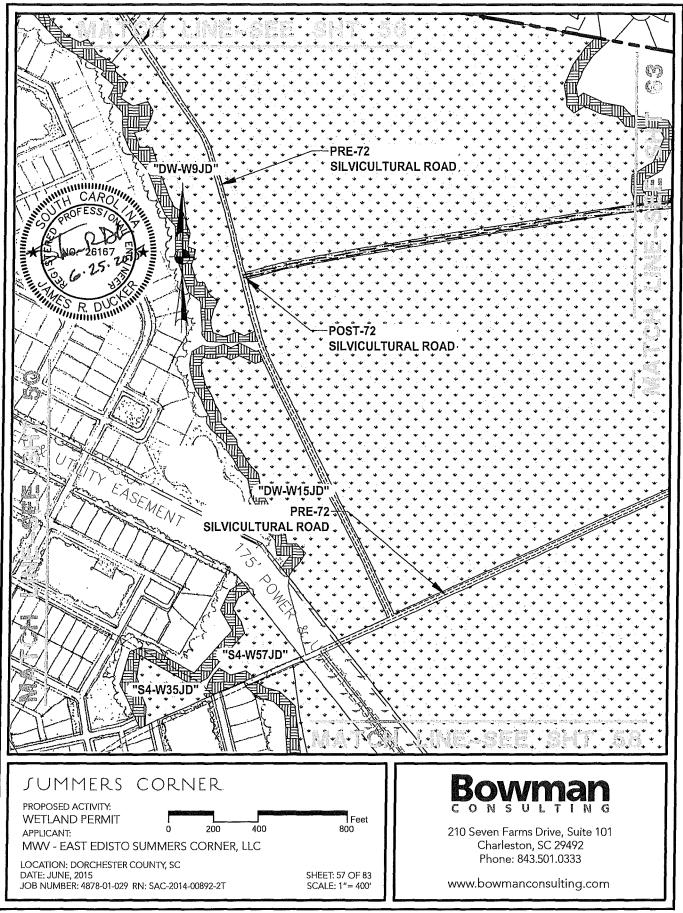


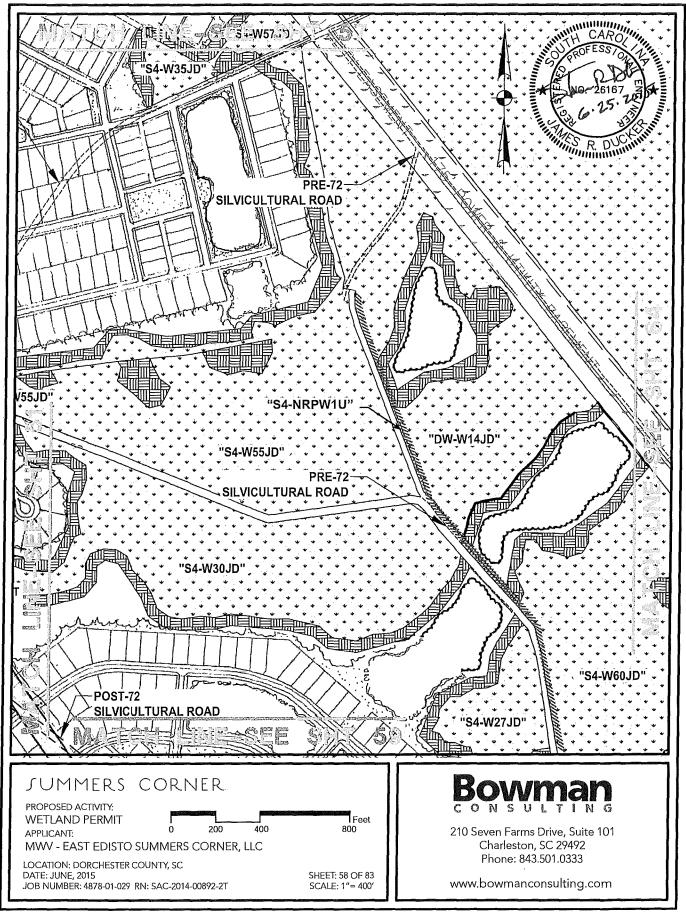


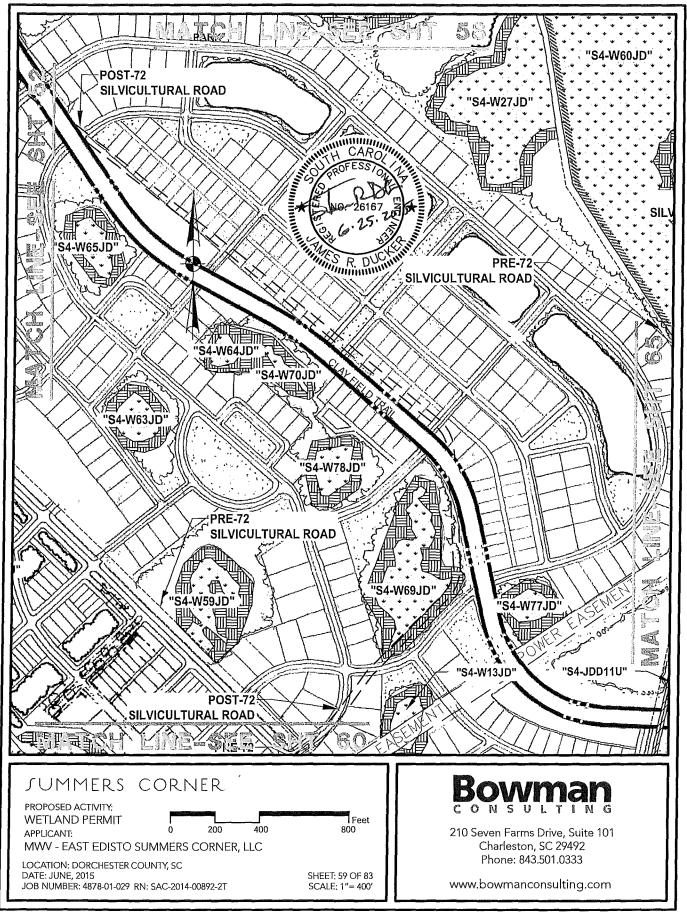


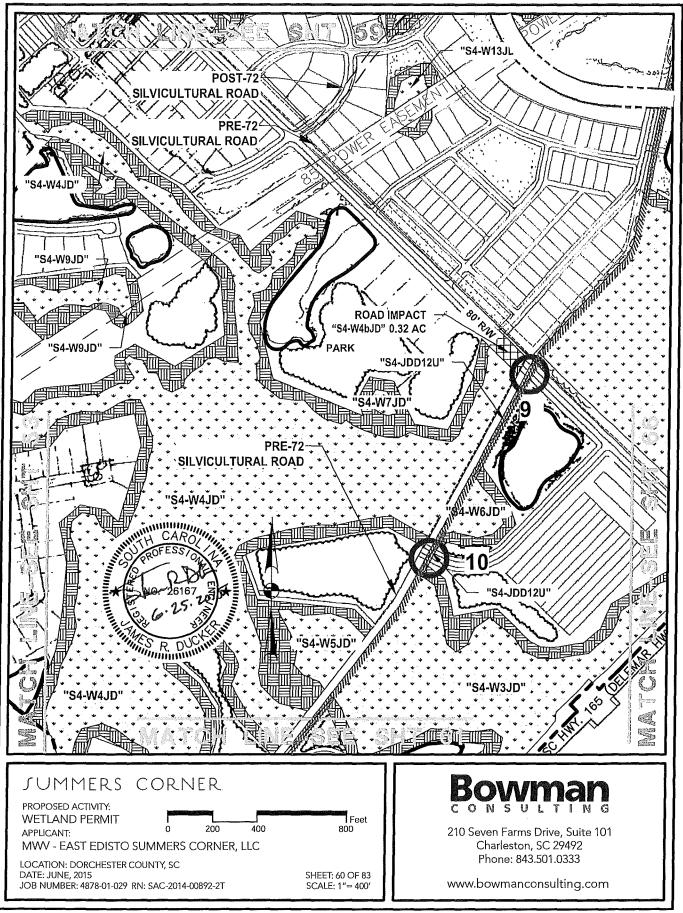


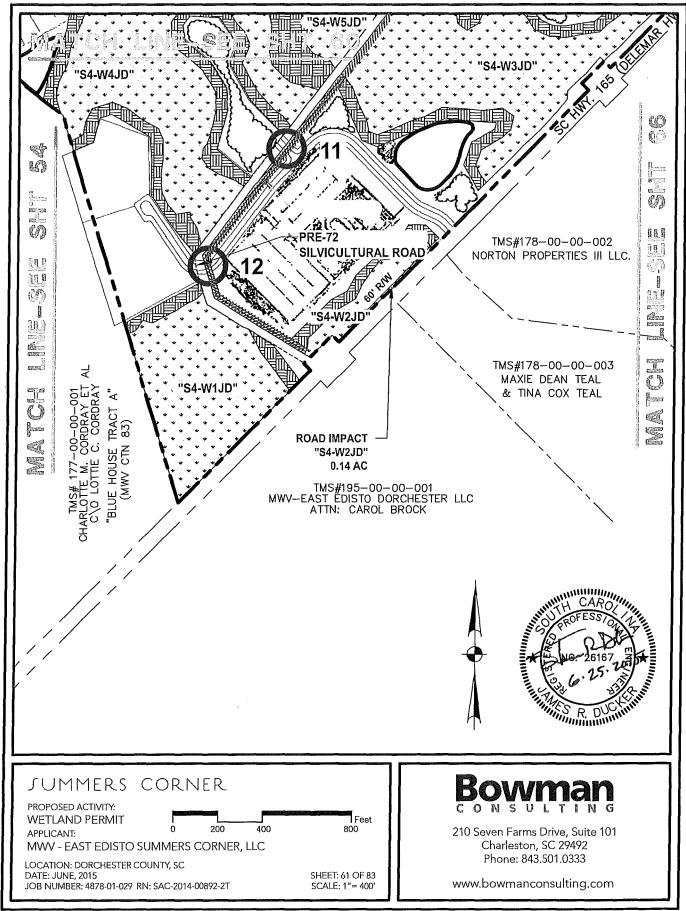


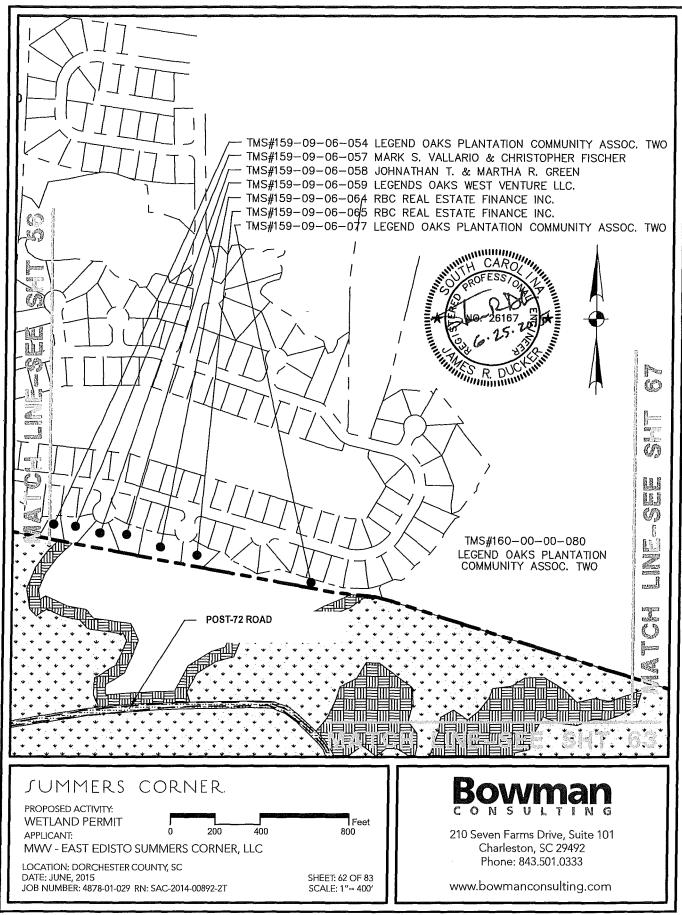


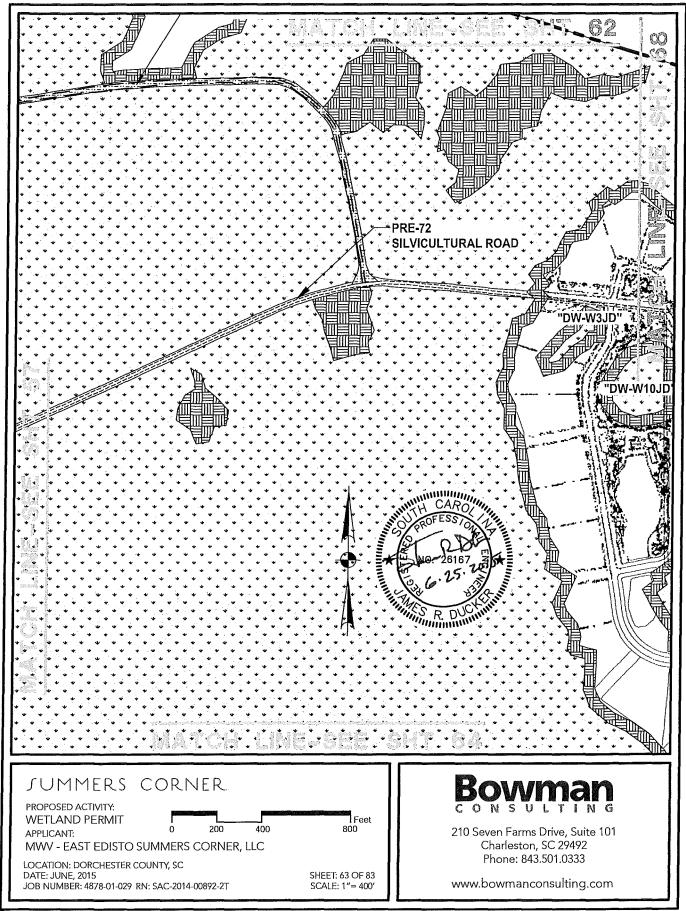


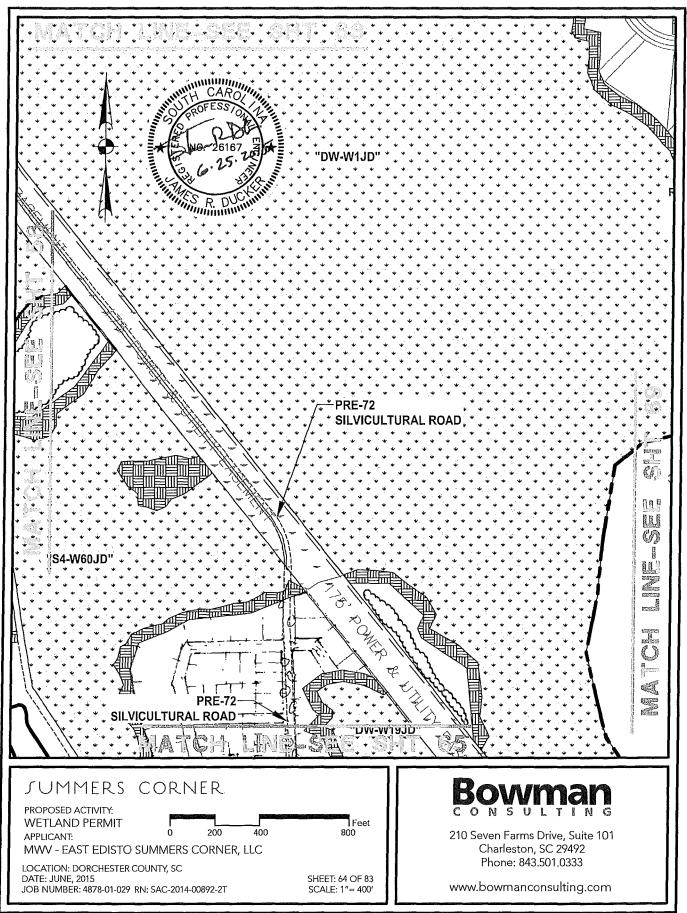


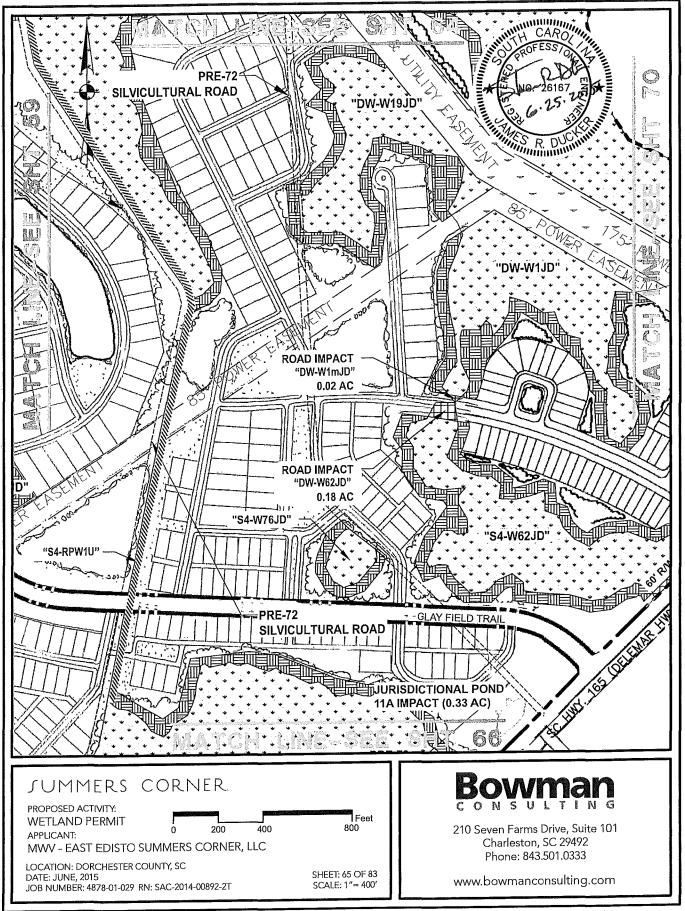


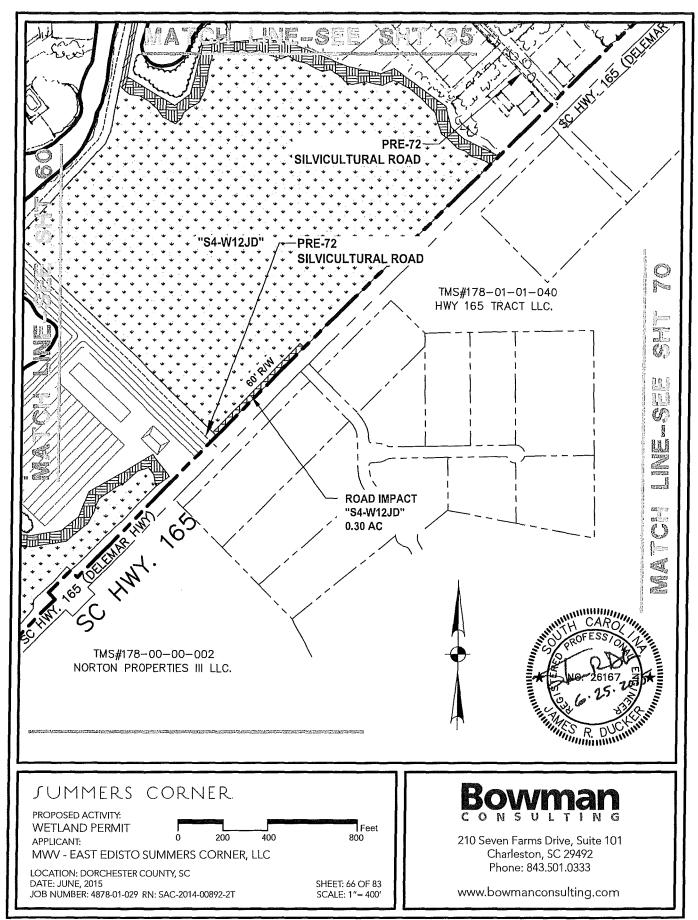


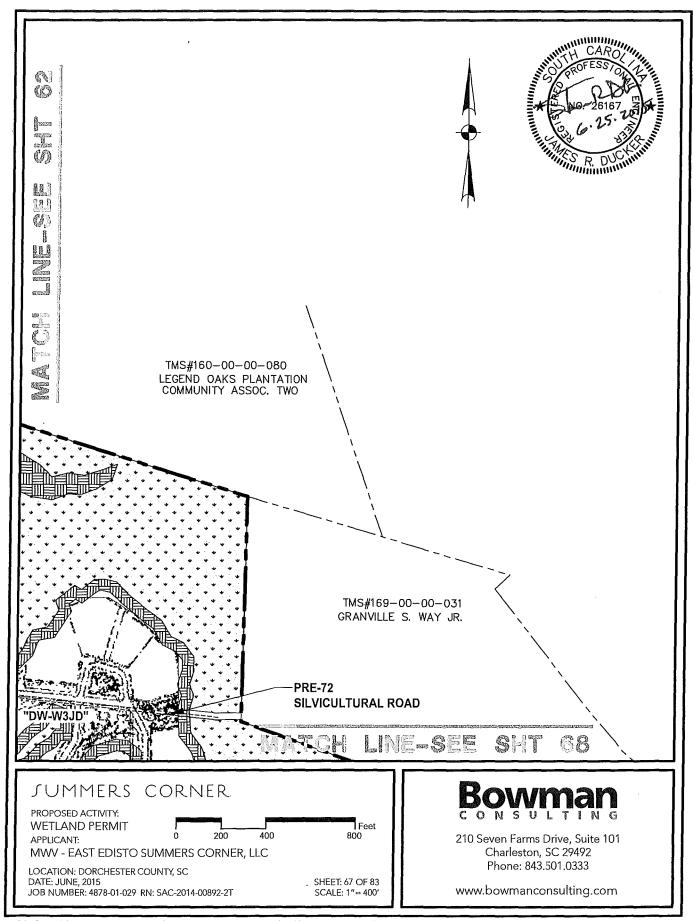


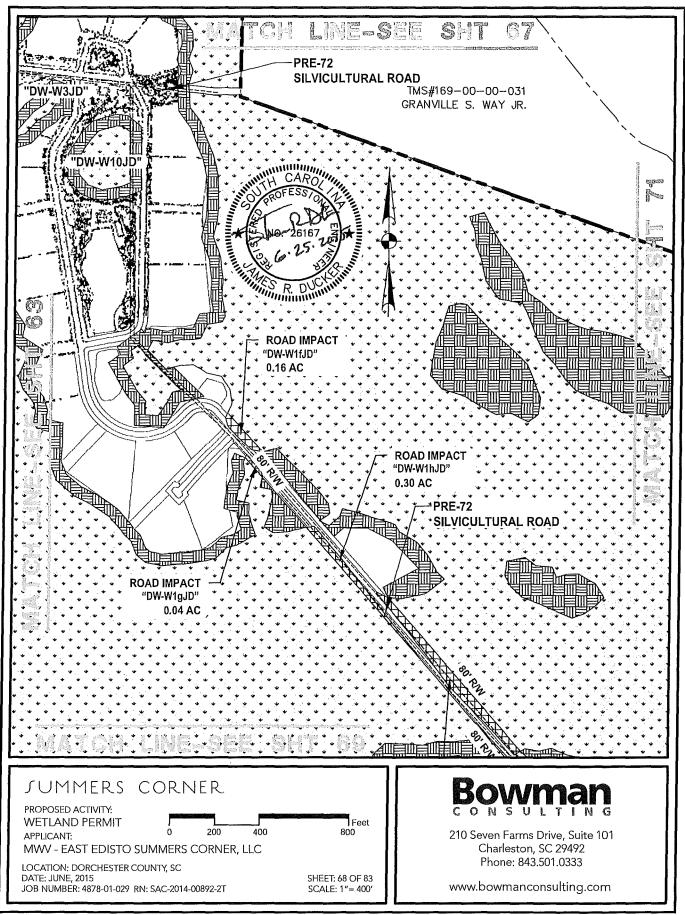


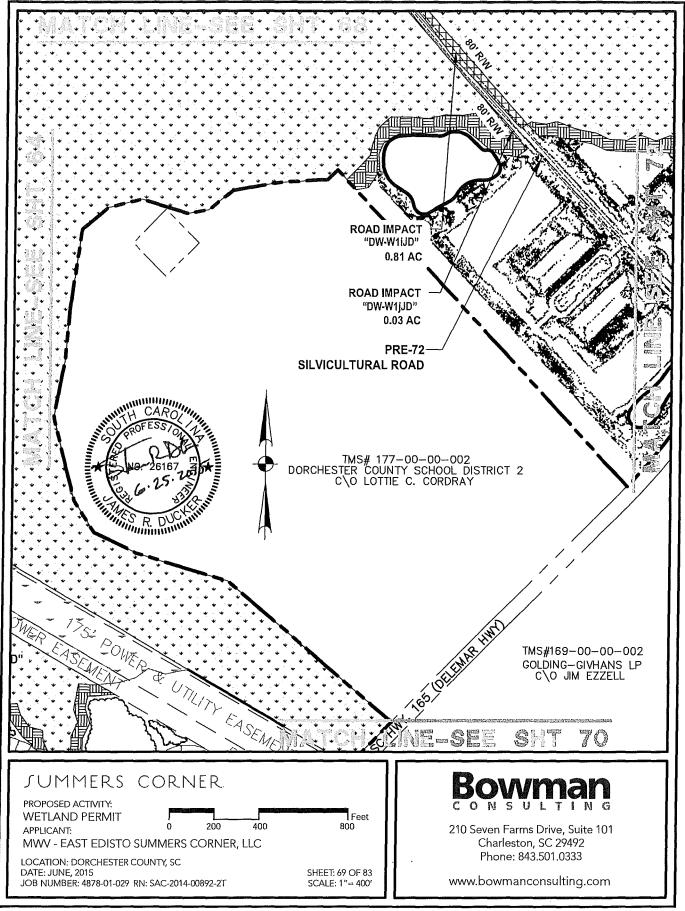


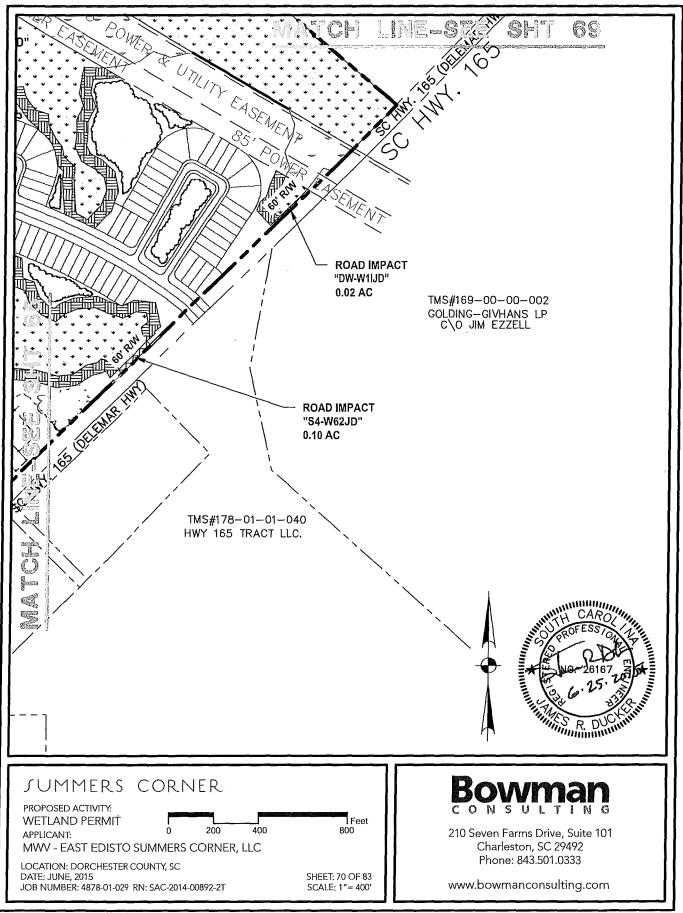


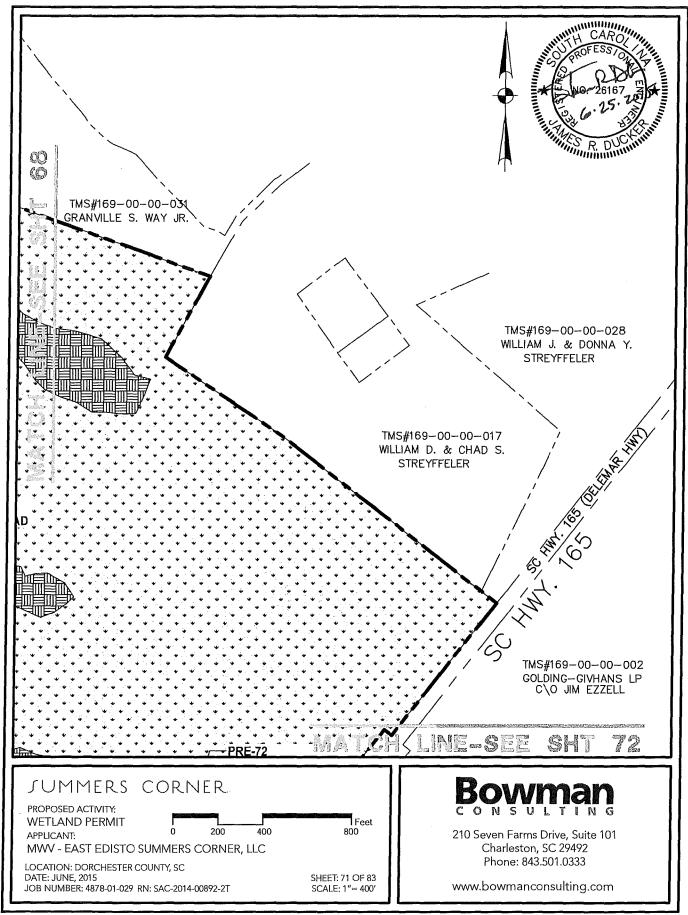


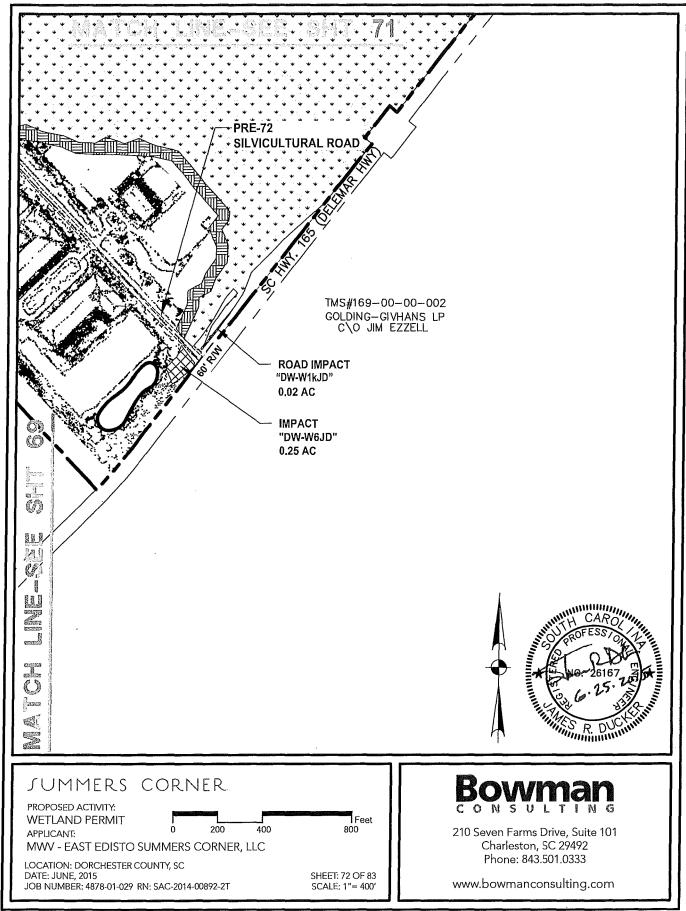


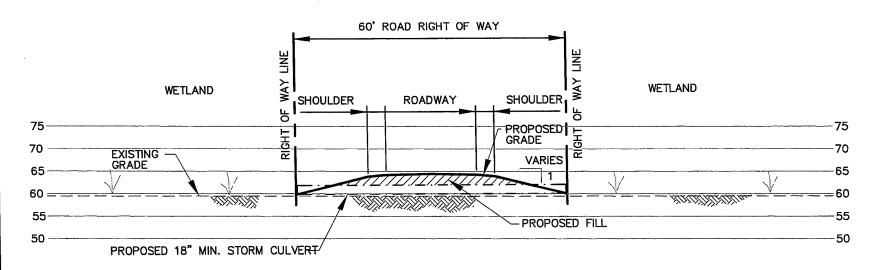












60' RIGHT OF WAY TYPICAL WETLAND FILL SECTION

SCALE: 1" = 20'

Original permit information was prepared by Thomas and Hutton and updated by Bowman Consulting as required to support the revised proposed development plan.

SUMMERS CORNER

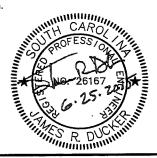
PROPOSED ACTIVITY:
WETLAND PERMIT
APPLICANT:
MWV - EAST EDISTO SUMMERS CORNER, LLC

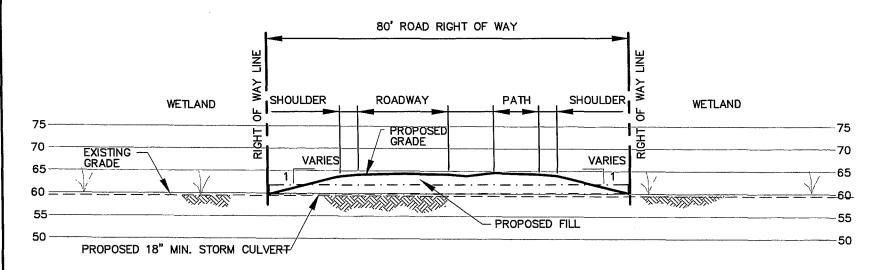
LOCATION: DORCHESTER COUNTY, SC DATE: JUNE, 2015 JOB NUMBER: 4878-01-029 RN: SAC-2014-00892-2T

SHEET: 73 OF 83 SCALE: 1" = 20"

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80' RIGHT OF WAY TYPICAL WETLAND FILL SECTION

SCALE: 1" = 20'

Original permit information was prepared by Thomas and Hutton and updated by Bowman Consulting as required to support the revised proposed development plan.

JUMMERS CORNER.

PROPOSED ACTIVITY:
WETLAND PERMIT
APPLICANT:
MWW - EAST EDISTO SUMMERS CORNER, LLC

LOCATION: DORCHESTER COUNTY, SC DATE: JUNE, 2015

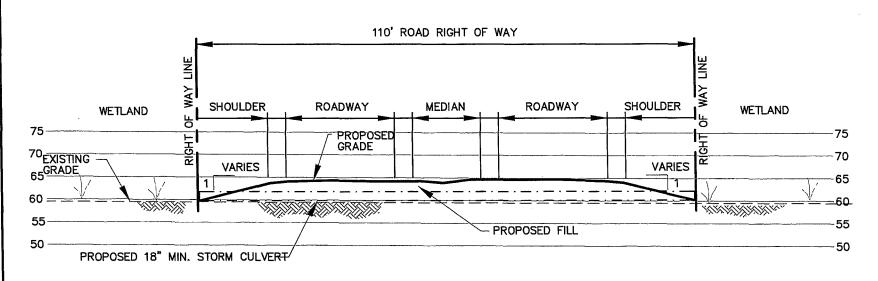
JOB NUMBER: 4878-01-029 RN: SAC-2014-00892-2T

SHEET: 74 OF 83 SCALE: 1" = 20'

Bowman CONSULTING

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110' RIGHT OF WAY TYPICAL WETLAND FILL SECTION

SCALE: 1" = 20'

Original permit information was prepared by Thomas and Hutton and updated by Bowman Consulting as required to support the revised proposed development plan.

SUMMERS CORNER.

PROPOSED ACTIVITY:
WETLAND PERMIT
APPLICANT:
MWV - EAST EDISTO SUMMERS CORNER, LLC

LOCATION: DORCHESTER COUNTY, SC DATE: JUNE, 2015

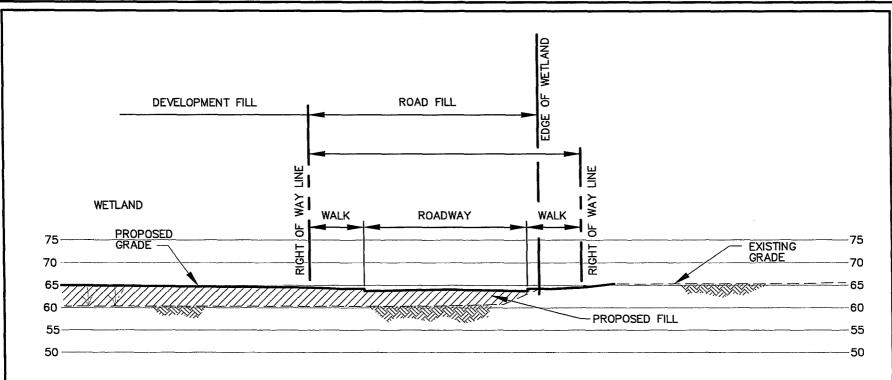
JOB NUMBER: 4878-01-029 RN: SAC-2014-00892-2T

SHEET: 75 OF 83 SCALE: 1"= 20'

Bowman

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RESIDENTIAL STREET AND DEVELOPMENT FILL TYPICAL WETLAND FILL SECTION

SCALE: 1" = 20'

Original permit information was prepared by Thomas and Hutton and updated by Bowman Consulting as required to support the revised proposed development plan.

SHEET: 76 OF 83

SCALE: 1"= 20"

JUMMERS CORNER.

PROPOSED ACTIVITY:
WETLAND PERMIT
APPLICANT:
MWW - EAST EDISTO SUMMERS CORNER, LLC

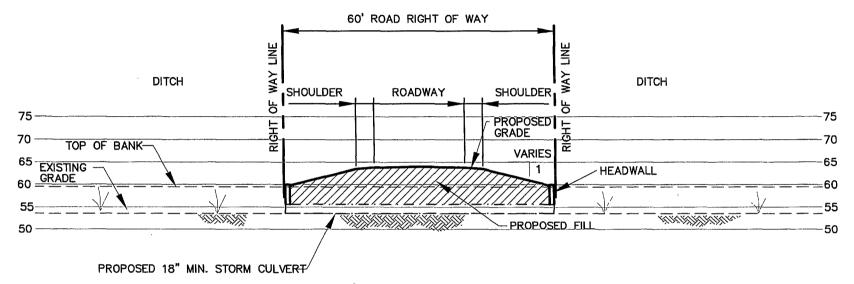
LOCATION: DORCHESTER COUNTY, SC DATE: JUNE, 2015

JOB NUMBER: 4878-01-029 RN: SAC-2014-00892-2T

Bowman CONSULTING

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60' RIGHT OF WAY TYPICAL JURISDICTIONAL DITCH FILL SECTION

SCALE: 1" = 20'

Original permit information was prepared by Thomas and Hutton and updated by Bowman Consulting as required to support the revised proposed development plan.

SHEET: 77 OF 83

SCALE: 1"= 20"

SUMMERS CORNER.

PROPOSED ACTIVITY:
WETLAND PERMIT
APPLICANT:

MWV - EAST EDISTO SUMMERS CORNER, LLC

LOCATION: DORCHESTER COUNTY, SC

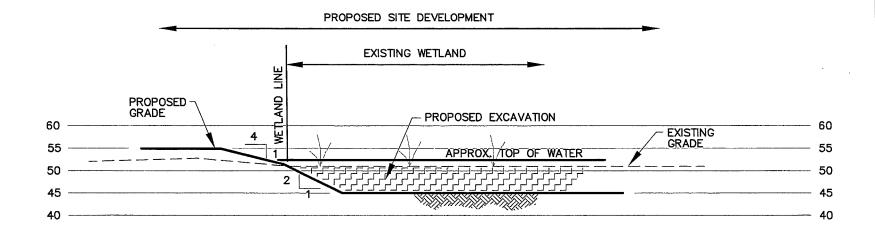
DATE: JUNE, 2015

JOB NUMBER: 4878-01-029 RN: SAC-2014-00892-2T

Bowman CONSULTING

210 Seven Farms Drive, Suite 101 Charleston, SC 29492 Phone: 843.501.0333





TYPICAL EXCAVATION OF WETLAND

SCALE: 1" = 20'

Original permit information was prepared by Thomas and Hutton and updated by Bowman Consulting as required to support the revised proposed development plan.

SHEET: 78 OF 83

SCALE: 1"= 20'

SUMMERS CORNER.

PROPOSED ACTIVITY: WETLAND PERMIT APPLICANT: MWV - EAST EDISTO SUMMERS CORNER, LLC

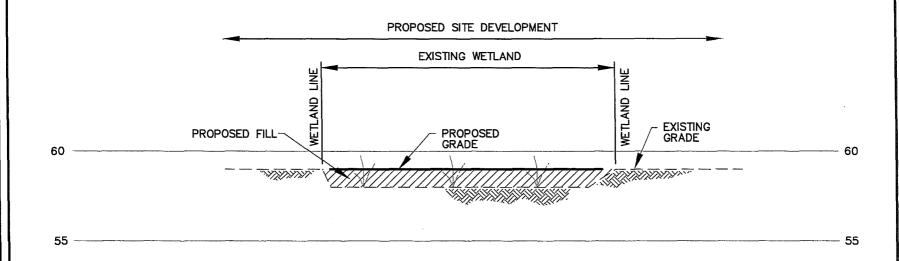
LOCATION: DORCHESTER COUNTY, SC

DATE: JUNE, 2015

JOB NUMBER: 4878-01-029 RN: SAC-2014-00892-2T

210 Seven Farms Drive, Suite 101 Charleston, SC 29492 Phone: 843.501.0333





TYPICAL FILL ISOLATED WETLAND

SCALE: HOR: 1" = 20' VERT: 1" = 5'

Original permit information was prepared by Thomas and Hutton and updated by Bowman Consulting as required to support the revised proposed development plan.

JUMMERS CORNER.

PROPOSED ACTIVITY:
WETLAND PERMIT
APPLICANT:
MWW - EAST EDISTO SUMMERS CORNER, LLC

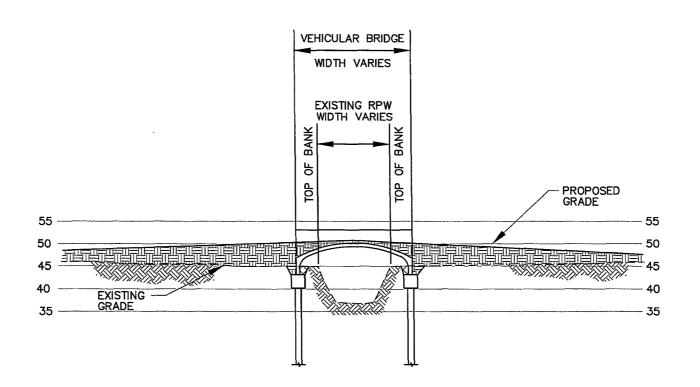
LOCATION: DORCHESTER COUNTY, SC DATE: JUNE, 2015 JOB NUMBER: 4878-01-029 RN: SAC-2014-00892-2T

SHEET: 79 OF 83 SCALE: 1"= 20'

Bowman CONSULTING

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TYPICAL CONCRETE ARCH PROFILE

SCALE: 1" = 20'

Original permit information was prepared by Thomas and Hutton and updated by Bowman Consulting as required to support the revised proposed development plan.

JUMMERS CORNER.

PROPOSED ACTIVITY:
WETLAND PERMIT
APPLICANT:
MWV - EAST EDISTO SUMMERS CORNER, LLC

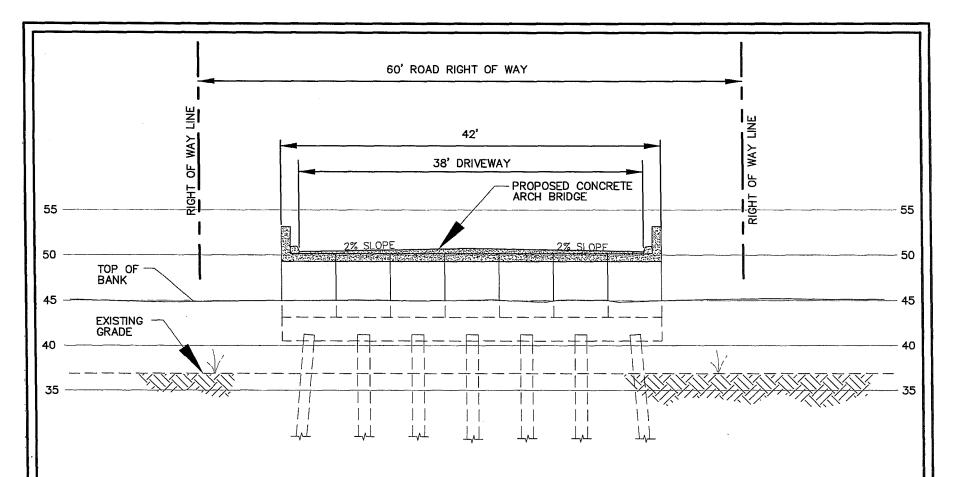
LOCATION: DORCHESTER COUNTY, SC DATE: JUNE, 2015 JOB NUMBER: 4878-01-029 RN: SAC-2014-00892-2T

SHEET: 80 OF 83 SCALE: 1"= 20'

Bowman CONSULTING

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TYPICAL CONCRETE ARCH CROSS SECTION

SCALE: 1" = 10'

Original permit information was prepared by Thomas and Hutton and updated by Bowman Consulting as required to support the revised proposed development plan.

SHEET: 81 OF 83

SCALE: 1"= 10'

SUMMERS CORNER.

PROPOSED ACTIVITY: WETLAND PERMIT APPLICANT:

MWV - EAST EDISTO SUMMERS CORNER, LLC

LOCATION: DORCHESTER COUNTY, SC

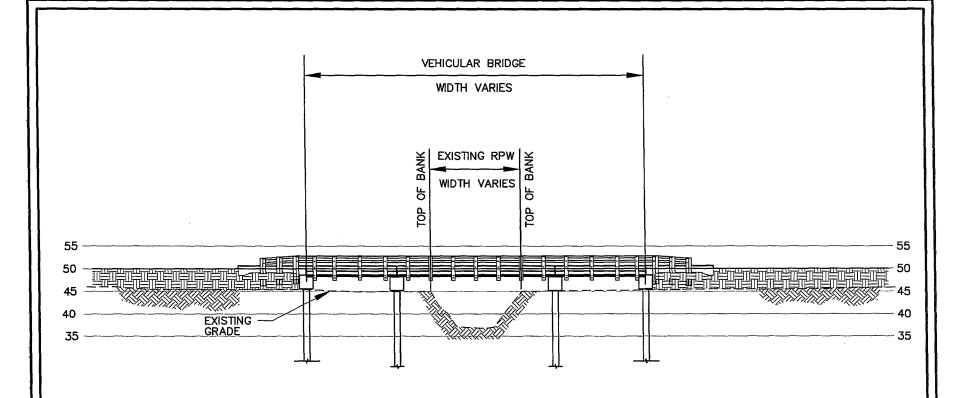
DATE: JUNE, 2015

JOB NUMBER: 4878-01-029 RN: SAC-2014-00892-2T

Bowman

210 Seven Farms Drive, Suite 101 Charleston, SC 29492 Phone: 843.501.0333





TYPICAL BRIDGE PROFILE

SCALE: 1" = 20'

Original permit information was prepared by Thomas and Hutton and updated by Bowman Consulting as required to support the revised proposed development plan.

SHEET: 82 OF 83

SCALE: 1"= 20'

JUMMERS CORNER.

PROPOSED ACTIVITY:
WETLAND PERMIT
APPLICANT:
MWW - EAST EDISTO SUMMERS CORNER, LLC

LOCATION: DORCHESTER COUNTY, SC

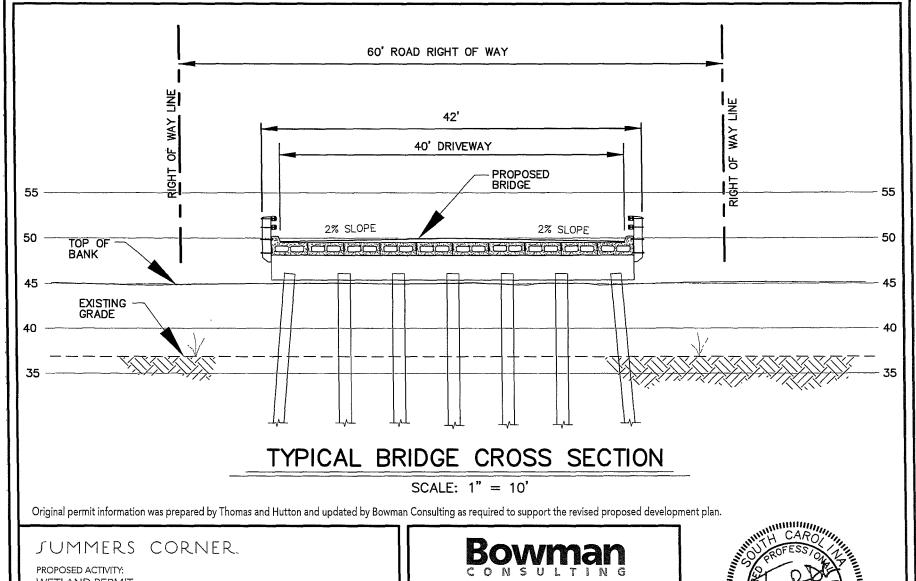
DATE: JUNE, 2015

JOB NUMBER: 4878-01-029 RN: SAC-2014-00892-2T

Bowman CONSULTING

210 Seven Farms Drive, Suite 101 Charleston, SC 29492 Phone: 843.501.0333





SHEET: 83 OF 83

SCALE: 1"= 10'

WETLAND PERMIT

APPLICANT:

MWV - EAST EDISTO SUMMERS CORNER, LLC

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