

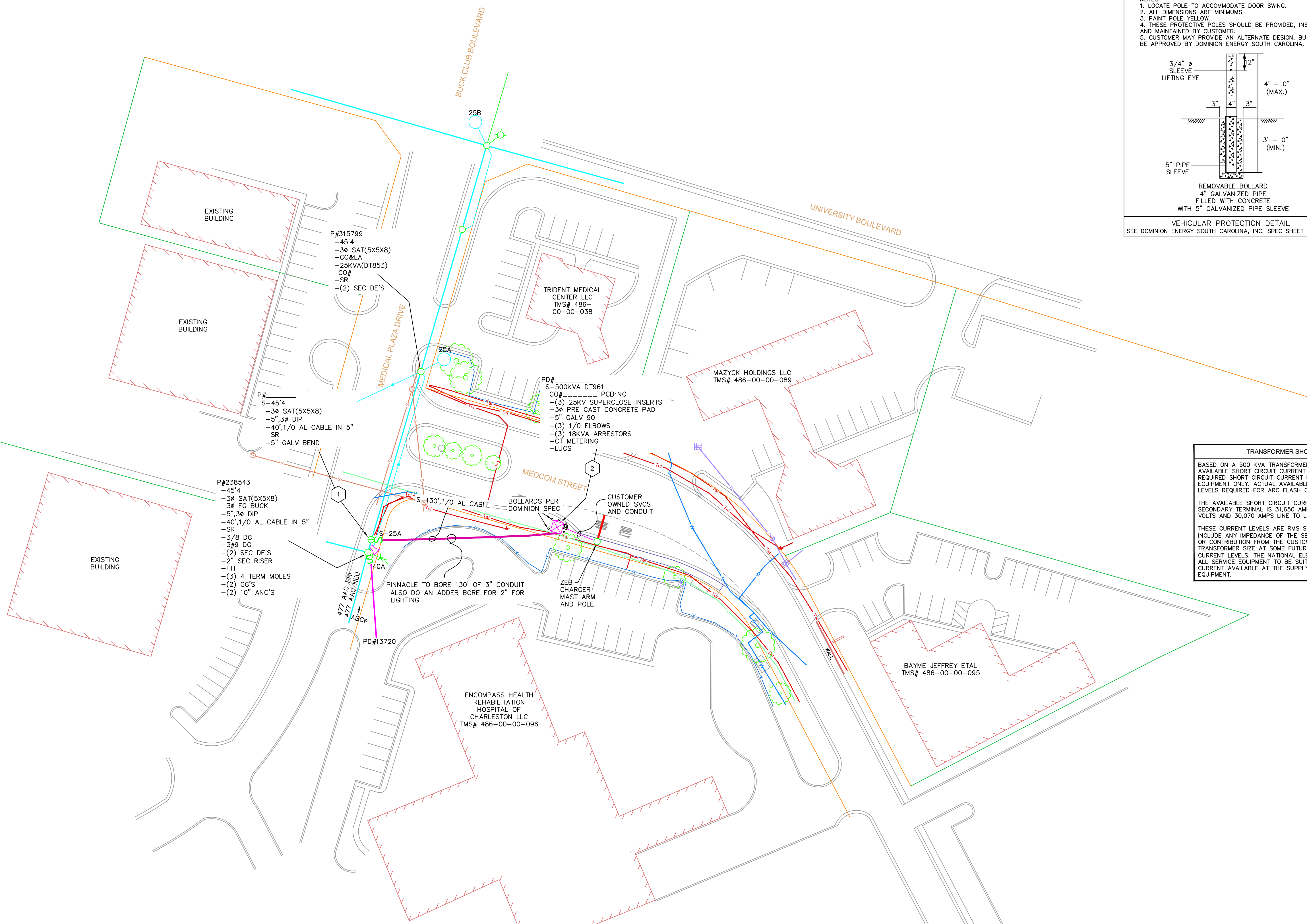
| DOMINION ENERGY SOUTH CAROLINA, INC.<br>ELECTRIC DISTRIBUTION SYMBOLS  |   |
|--|---|
| POLES  | OVERHEAD SYMBOLS                                      |
| DISTRIBUTION POLE  | SINGLE PHASE TRANSFORMER                              |
| TRANSMISSION POLE  | TWO PHASE TRANSFORMER                                 |
| FOREIGN UTILITY POLE   | THREE PHASE TRANSFORMER                               |
| ANCHOR & DOWN GUY  | OH SERVICE  |
| <b>PRIMARY CONDUCTOR</b>   |   |
| SINGLE PHASE   | PRIMARY METER   |
| THREE PHASE  |   |
| CONDUIT  |   |
| <b>SECONDARY CONDUCTOR</b>   |   |
| DUPLEX   | SINGLE PHASE PAD MOUNTED TRANSFORMER                  |
| TRIPLEX  | THREE PHASE PAD MOUNTED TRANSFORMER                   |
| QUADRUPLEX   |   |
| <b>SECTIONALIZING FUSES &amp; SWITCHES</b>   |   |
| CUTOUT   | SWITCH GEAR   |
| OIL CIRCUIT RECLOSER   | LOOP CABINET  |
| BLADE SWITCH   | LG SERVICE  |
| GANG SWITCH  | SECONDARY PREESTAL/HANDHOLE                           |
| SCADA SWITCH   | ** FOR TEMPORARY,<br>* FOR PERMANENT, ** FOR METERED. |
| <b>LIGHTING</b>  |   |
| STREET LIGHT   | HAT BOX LIGHT   |
| FLOOD LIGHT  | SHOE BOX LIGHT  |
| ORNAMENTAL LIGHT   |   |
| <p>EXAMPLES OF TYPICAL SYMBOL SCHEMES ARE AS FOLLOWS:<br/>           FACILITIES TO BE INSTALLED REPRESENTED BY AN OPEN SYMBOL.<br/>           FACILITIES TO BE REPLACED REPRESENTED BY A HALF SOLID FILL SYMBOL.<br/>           FACILITIES TO BE REMOVED REPRESENTED BY A FULL SOLID FILL SYMBOL.<br/>           ALWAYS REFER TO CONSTRUCTION NOTES FOR A COMPLETE DESCRIPTION.</p>  |   |
| EXISTING POLE  | INSTALL POLE  |
| EXISTING PAD MOUNT TRANSFORMER   | INSTALL PAD MOUNT TRANSFORMER                         |
| REPLACE PAD MOUNT TRANSFORMER  | REMOVE PAD MOUNT TRANSFORMER                          |
| <p> THIS INDICATES THE LOCATION OF A TRANSMISSION OR PRIMARY DISTRIBUTION LINE CROSSING FOLLOW "SAFETY" PRECAUTIONS.</p>   |   |
| <p>THE AVAILABLE SHORT CIRCUIT CURRENT AT THE TRANSFORMER SECONDARY TERMINAL IS 31,650 AMPS LINE TO GROUND AT 277 VOLTS AND 30,070 AMPS LINE TO LINE AT 480 VOLTS.</p> <p>THESE CURRENT LEVELS ARE RMS SYMMETRICAL VALUES AND DO NOT INCLUDE ANY IMPEDANCE OF THE SECONDARY/SERVICE CONDUCTORS OR CONTRIBUTION FROM THE CUSTOMER'S EQUIPMENT. INCREASED TRANSFORMER SIZE AT SOME FUTURE DATE MAY INCREASE THESE CURRENT LEVELS. THE NATIONAL ELECTRICAL CODE (NEC) REQUIRES ALL SERVICE EQUIPMENT TO BE SUITABLE FOR THE SHORT CIRCUIT CURRENT AVAILABLE AT THE SUPPLY TERMINALS OF THE SERVICE EQUIPMENT.</p> |   |

**TRANSFORMER SHORT CIRCUIT NOTE**

BASED ON A 500 KVA TRANSFORMER WITH 2.0% IMPEDANCE, THE AVAILABLE SHORT CIRCUIT CURRENT FOR USE IN CALCULATING REQUIRED SHORT CIRCUIT CURRENT RATING OF ELECTRICAL EQUIPMENT ONLY. ACTUAL AVAILABLE SHORT CIRCUIT CURRENT LEVELS REQUIRED FOR ARC FLASH CALCULATIONS MAY VARY.

THE AVAILABLE SHORT CIRCUIT CURRENT AT THE TRANSFORMER SECONDARY TERMINAL IS 31,650 AMPS LINE TO GROUND AT 277 VOLTS AND 30,070 AMPS LINE TO LINE AT 480 VOLTS.

THESE CURRENT LEVELS ARE RMS SYMMETRICAL VALUES AND DO NOT INCLUDE ANY IMPEDANCE OF THE SECONDARY/SERVICE CONDUCTORS OR CONTRIBUTION FROM THE CUSTOMER'S EQUIPMENT. INCREASED TRANSFORMER SIZE AT SOME FUTURE DATE MAY INCREASE THESE CURRENT LEVELS. THE NATIONAL ELECTRICAL CODE (NEC) REQUIRES ALL SERVICE EQUIPMENT TO BE SUITABLE FOR THE SHORT CIRCUIT CURRENT AVAILABLE AT THE SUPPLY TERMINALS OF THE SERVICE EQUIPMENT.



THE DEVELOPER SHALL BE FULLY RESPONSIBLE, AS REQUIRED BY LOCAL ORDINANCES, TO ESTABLISH AND MAINTAIN TREE BARRICADES AROUND ALL TREES THAT ARE REQUIRED TO BE PRESERVED. ANY REQUIRED BARRICADES SHALL BE IN PLACE PRIOR TO DOMINION ENERGY SOUTH CAROLINA, INC. BEGINNING DESIGN OR INSTALLATION OF UNDERGROUND FACILITIES. THE STANDARD METHOD OF CONSTRUCTION WILL BE BY AN OPEN TRENCH (TRENCHER OR BACK HOE). ANY ENCROACHMENTS IN BARRICADED AREAS WILL REQUIRE DIRECTIONAL BORES TO PROTECT TREES AND SHALL BE CONSIDERED AS NONSTANDARD SERVICE TO THE DEVELOPER AND AT THE DEVELOPER'S EXPENSE. THE DEVELOPER SHALL BE SOLELY RESPONSIBLE AND LIABLE FOR ANY TREE DAMAGES INCURRED DURING THE INSTALLATION OF UNDERGROUND ELECTRIC FACILITIES WHICH ARE CAUSED BY THE DEVELOPER'S FAILURE TO PROPERLY BARRICADE ANY SIGNIFICANT TREES, AS PRESCRIBED BY LOCAL ORDINANCES.

THE DEVELOPER WILL BE FULLY RESPONSIBLE FOR COMPLIANCE WITH ANY TREE OR BUFFER ORDINANCES AFFECTING DOMINION ENERGY SOUTH CAROLINA, INC. EASEMENTS. ANY FUNDING OR TREE REPLACEMENT WILL BE THE RESPONSIBILITY OF THE DEVELOPER. BUFFER REQUIREMENTS ARE IN ADDITION TO AND SEPARATE FROM DOMINION ENERGY SOUTH CAROLINA, INC. EASEMENTS. THE DEVELOPER SHALL MAKE HIMSELF/HERSELF FULLY AWARE OF ALL APPROPRIATE ORDINANCES WHICH CAN AFFECT DOMINION ENERGY SOUTH CAROLINA, INC. RIGHT OF WAY AND SHOULD TAKE THIS INTO ACCOUNT WHEN ASSIGNING THE EASEMENT.

DEVELOPER/CUSTOMER SIGNATURE REQUIRED

APPROVED BY \_\_\_\_\_ SIGNATURE ON FILE \_\_\_\_\_

\_\_\_\_\_ BRYAN KIZER  
(PRINT NAME)

TITLE PRINCIPLE DATE 9/23/2022

W.O.# WFM.E174680 W.R.# E174680

STARTED \_\_\_\_\_ BY: \_\_\_\_\_

COMPLETED \_\_\_\_\_ BY: \_\_\_\_\_

CLOSED OUT \_\_\_\_\_ BY: \_\_\_\_\_

COORDINATOR WESTY WESTMORELAND

ELECTRIC ENG.-TECH. RYAN BRANHAM

GAS ENG.-TECH. \_\_\_\_\_

**RIGHT OF WAY INFORMATION**

R/W AGENT ALAN MYRICK

FILE NUMBER \_\_\_\_\_

EASEMENT NO. \_\_\_\_\_

STANDARD DOMINION ENERGY SOUTH CAROLINA, INC. DISTRIBUTION RIGHT OF WAY: OVERHEAD ELECTRIC IS 15' EACH SIDE OF THE POLE. UNDERGROUND ELECTRIC IS 5' EACH SIDE OF THE CABLE. PAD MOUNTED EQUIPMENT IS 12' AROUND THE PERIMETER OF THE EQUIPMENT.

3 DAYS BEFORE DIGGING IN SOUTH CAROLINA

**CALL 811**  
IT'S THE LAW  
PALMETTO UTILITY PROTECTION SERVICE

ALL DOMINION ENERGY SOUTH CAROLINA, INC. FACILITY LOCATIONS SHOWN ON THIS DRAWING ARE APPROXIMATE. FINAL LOCATIONS ARE DETERMINED AT THE TIME OF INSTALLATION BY A DOMINION ENERGY SOUTH CAROLINA, INC. REPRESENTATIVE.

**DEVELOPER'S SIGNATURE BLOCK**

DEVELOPER HEREBY APPROVES THIS LAYOUT FOR CONSTRUCTION AND CERTIFIES THAT HE/SHE HAS THE AUTHORITY TO DO SO. ANY CHANGE AFFECTING THIS LAYOUT MUST BE REPORTED IMMEDIATELY TO DOMINION ENERGY SOUTH CAROLINA, INC. ALL COST ASSOCIATED WITH ANY REQUESTED CHANGE OR INSUFFICIENT FINAL GRADE INFORMATION WILL BE BORNE BY THE DEVELOPER. DOMINION ENERGY SOUTH CAROLINA, INC. POLICY, STATE AND LOCAL LAW, AS WELL AS REGULATORY RESTRICTIONS AT THE TIME OF CONSTRUCTION WILL PREVAIL. DEVELOPER CERTIFIES THAT HE/SHE HAS REVIEWED THE DOMINION ENERGY SOUTH CAROLINA, INC. DEVELOPERS HANDBOOK AND ALL REQUIREMENTS LISTED IN THE HANDBOOK UNDER DEVELOPER RESPONSIBILITY MUST BE MET BEFORE CONSTRUCTION CAN BE SCHEDULED.

APPROVED BY \_\_\_\_\_ SIGNATURE ON FILE \_\_\_\_\_  
(SIGNATURE)  
BRYAN KIZER  
(PRINT NAME)

TITLE PRINCIPLE

COMPANY STANTEC DATE: 9/23/2022

**DOMINION ENERGY SOUTH CAROLINA, INC.**

TITLE MEDCOM STREET BUS CHARGING STATION - 9181 MEDCOM STREET

DETAIL CHARGING STATION CKTF# 70242

SUB. DEER PARK SUB. (505) 23.9KV DIST# 90

DRN 0818-09-2022 SCALE: 1" = 40'

APP 08/02/2022 084868-01.DWG SHEET 1 OF 1 SHEETS C-84868 DATE PLOTTED 03/22/23

APPROVED

| NO | DATE | BY | REVISION | FOR |
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