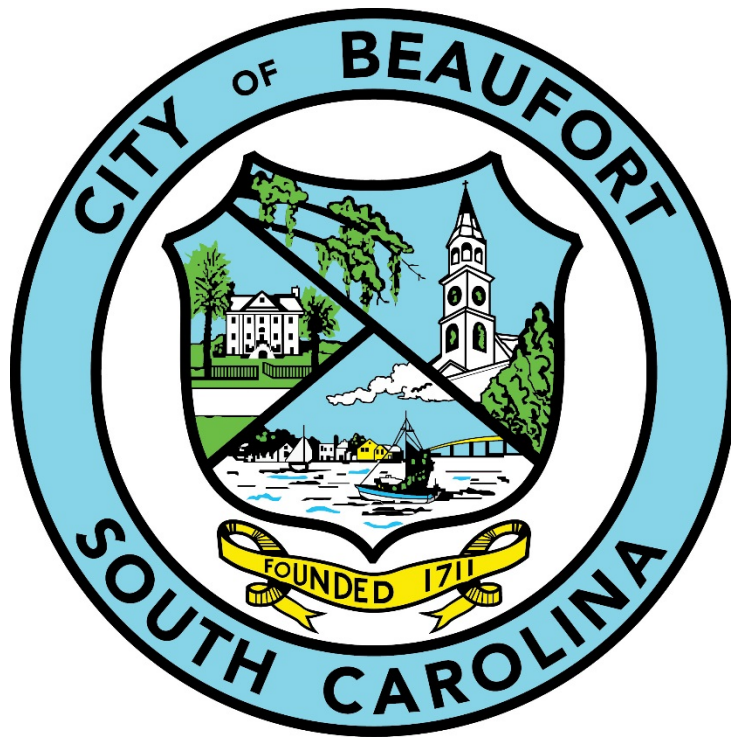


CITY OF BEAUFORT  
STATE OF SOUTH CAROLINA  
REQUEST FOR PROPOSAL



RFP NO. 2021-117

SC Highway 170 Sidewalk Extension Project

DUE: July 29, 2021

**CITY OF BEAUFORT, SC  
REQUEST FOR PROPOSAL  
SC HIGHWAY 170 SIDEWALK EXTENSION PROJECT  
RFP NO. 2021-117**

**SEALED PROPOSALS** will be received in the Finance Department, 2nd Floor, City Hall, 1911 Boundary Street, Beaufort, South Carolina until **2:00 P.M. ET Thursday, July 29, 2021**. All qualified contractors are invited to submit proposals to the City of Beaufort for the following:

**CITY OF BEAUFORT  
SC Highway 170 Sidewalk Extension Project**

**SUBMIT:** One (1) unbound original and three (3) bound copies of all requested documentation must be received on or before **2:00 P.M. ET Thursday, July 29, 2021**.

**OR;**

One (1) portable document format (pdf) format file as an email attachment on or **before 2:00 P.M. ET Thursday, July 29, 2021**. File size limitations may require use of a file sharing platform (i.e., Dropbox). Electronically submitted proposals must be followed will an additional email, without an attachment to advise of the submission and verify receipt by the Procurement Administrator. Procurement administrator will verify receipt with a return e-mail. Unverified receipt of electronic submissions may be excluded. The Procurement Administrator will follow up and advise accordingly if a Dropbox submission is necessary. RFPs submitted in PDF format should be complete documents for presentation or printing. Incomplete or unorganized electronic submissions will not be accepted.

**EMAIL ADDRESS:** [jrobinson@cityofbeaufort.org](mailto:jrobinson@cityofbeaufort.org) **PHONE NUMBER:** 843-525-7035

**ADDRESS TO:** City of Beaufort, City Hall, 2nd Floor Finance Department, Attention: John Robinson

**MAILING ADDRESS:** 1911 Boundary St., Beaufort, South Carolina 29902

**OFFICE ADDRESS:** 1911 Boundary St., Beaufort, South Carolina 29902

**FAX NUMBER:** 843-986-5606

**MARK OUTSIDE ENVELOPE:** "RFP 2021– 117 SC Highway 170 Sidewalk Extension"

**A NON-MANDATORY PRE-PROPOSAL MEETING WILL BE HELD AT 2:00 PM, THURSDAY JULY 1, 2021  
ALL POTENTIAL OFFERORS ARE ENCOURAGED TO ATTEND.**

The meeting will be held in-person in Beaufort City Hall, 1911 Boundary Street, Beaufort SC, 29902, 1<sup>st</sup> floor planning conference room.

**A SITE VISIT WITH THE PROJECT ENGINEER WILL TAKE PLACE ON THURSDAY JULY 1, 2021 IMMEDIATELY FOLLOWING THE PRE-BID MEETING. THIS WILL BE THE ONLY HOSTED SITE VISIT.**

**Pre-Bid attendees will drive to the location for the site visit.**

**A PUBLIC BID OPENING MEETING WILL BE HELD “IN-PERSON” AND VIA ZOOM AT 2:01 PM ET ON THURSDAY JULY 29, 2021. ALL POTENTIAL OFFERORS ARE ENCOURAGED TO ATTEND.**

The “in-person” bid-opening will be held in Beaufort City Hall, 1<sup>st</sup> Floor planning conference room. Proposer who do not wish to attend in person, may attend via ZOOM using the following link:

**BID OPENING ZOOM LINK:**

<https://us02web.zoom.us/j/83895678382?pwd=UGpJVFFyUnpNaE1tbHRjeis0QnFMdz09>

**DEADLINE ENFORCED**

PROPOSALS DELIVERED AFTER THE TIME AND DATE SET FOR RECEIPT OF PROPOSALS SHALL NOT BE ACCEPTED AND WILL BE RETURNED UNOPENED TO THE OFFEROR. IT IS THE OFFEROR’S RESPONSIBILITY TO ENSURE TIMELY DELIVERY OF THEIR PROPOSALS. WEATHER, FLIGHT DELAYS, CARRIER ERRORS AND OTHER ACTS OF OTHERWISE EXCUSABLE NEGLIGENCE ARE RISKS ALLOCATED TO OFFERORS AND WILL NOT BE EXEMPTED FROM DEADLINE REQUIREMENTS. TELEPHONE, OR FACSIMILE PROPOSALS WILL NOT BE ACCEPTED.

Any offer submitted as a result of this RFP shall be binding on the offeror for **NINETY (90)** calendar days following the specified opening date. Any proposal for which the offeror specifies a shorter acceptance period may be rejected.

**Proprietary and/or Confidential Information**

Your proposal package is a public document under the South Carolina Freedom of Information Act (FOIA), except as to information that may be treated as confidential as an exception to disclosure under the FOIA. If you cannot agree to this standard, please do not submit your qualification.

All information that is to be treated as confidential and/or proprietary must be **CLEARLY** identified, and each page containing confidential and/or proprietary information, in whole or in part, must be stamped and/or denoted as **CONFIDENTIAL**, in bold, in a font of at least 12-point type, in the upper right-hand corner of the page. *All information not so denoted and identified shall be subject to disclosure by the City.*

This Request for Proposal is being issued by the City of Beaufort. Direct all questions or request for clarification of this RFP by email, mail, or fax to contact information listed above.

Offerors are specifically directed not to contact any other City personnel for meetings, conferences, or technical discussions related to this request unless otherwise stated in this RFP. Failure to adhere to this policy may be grounds for rejection of your proposal.

Offerors ARE CAUTIONED that any statement made by City staff persons that materially changes any portion of this RFP shall not be relied upon unless they are subsequently ratified by a formal written amendment to this RFP. Any revisions to this RFP will be issued and distributed as an addendum. All addenda, additional communications, responses to questions, etc. pertaining to the Request for PROPOSAL may be accessed on the City of Beaufort website under Quick Links – “Bid Opportunities” at [www.cityofbeaufort.org](http://www.cityofbeaufort.org).

All Offerors should consult this website for updates before submitting bids.

**THE DEADLINE FOR QUESTIONS IS: 5:00 PM, JULY 8, 2021. ANSWERS TO SUBMITTED QUESTIONS WILL BE POSTED ON THE CITY WEBSITE BY 5:00 PM ON JULY 15, 2021**

If the Offeror discovers any ambiguity, conflict, discrepancy, omission or other error in the RFP, Offeror shall immediately notify the City of such error in writing and request modification or clarification of the document. The Offeror is responsible for clarifying any ambiguity, conflict, discrepancy; omission or other error in the RFP or it shall be deemed waived.

The City of Beaufort reserves the right to reject any or all proposals, or any parts thereof, waive informalities, negotiate terms and conditions, and to select an Offeror that best meets the needs of the City of Beaufort and its employees.

**Compliance with the South Carolina Illegal Immigration Reform Act**

Any Contractor, entering into a service contract with the City of Beaufort must certify to the City of Beaufort that the Contractor intends to verify any new employees’ status, and require any sub-consultants performing services under the service contract to verify their new employees’ status, per the terms of the South Carolina Illegal Immigration Reform Act, and as set out in Title 41, Chapter 8 of the Code of Laws of South Carolina, 1976.

**Policy Concerning Minority and Woman Owned Business Enterprises**

**Intent**

Businesses owned and operated by women and minority persons, in general, have been historically restricted from full participation in the nation's free enterprise system to a degree disproportionate to other businesses.

The City believes it is in the community's best interest to assist minority and woman owned businesses to develop fully, in furtherance of City's policies and programs which are designed to promote balanced economic and community growth.

The City, therefore, wishes to ensure that minority and woman owned businesses (M/WBEs) are afforded the opportunity to fully participate in the City's overall procurement process and will not be discriminated against on the grounds of race, color, sex, or national origin in consideration for an award.

**Goal for Participation**

The City adopts the State of South Carolina's goal for participation of M/WBEs: ten percent (10%) of annual controllable procurement expenditures which are defined as agreements between the City and a Vendor to provide or procure labor, materials, equipment, supplies and services to, for or on behalf of the City. However, a specific expectation has not been set for this RFP.

**Required Forms**

Contractors submitting proposals are required to include completed forms that are found at the end of the General Terms & Conditions. The City's General Terms & Conditions, a required component of all competitive procurement proposals, may be accessed on the City's website under Quick Links – Bid Opportunities – [www.cityofbeaufort.org](http://www.cityofbeaufort.org). All proposers are to certify that they have read the General Terms & Conditions and will adhere to them as a component of the contract documents.

Contractors should also be aware that, should a contract be awarded, the City will require reports of the utilization of any minority business enterprises to be filed along with requests for payment. The City reserves the right to audit accuracy of the utilization reports that are filed.

The City of Beaufort reserves the right to reject any or all bids; to waive any informality or irregularity not affected by law; to evaluate, in its absolute discretion, the bids submitted; to award the contract according to the bid which best serves the interests of the City; or to not award the contract if the City determines that it is not in its best interest to do so.

**Proposals that are not signed will not be accepted as complete and shall not be considered. Proposals must be signed in ink (not typed) in the appropriate space(s) by an authorized officer or employee of the offeror.**

The words "Bidder", "Offeror", "Proposer", "Vendor", "Operator", "Contractor", and "Company" are used interchangeably throughout this RFP, and are used in place of the person, vendor, or corporation submitting a bid.

**CITY OF BEAUFORT  
REQUEST FOR PROPOSAL  
SC HIGHWAY 170 SIDEWALK EXTENSION  
RFP 2021-117**

**INTRODUCTION**

SC-170 Sidewalk Extension Project is for the construction of an 8' sidewalk on Robert Smalls Parkway. The sidewalk is approximately 550' in length and will disturb 0.125 acres. The extension of sidewalk is on the southside of SC-170 and will be constructed to connect the existing sidewalk to the Spanish Moss Trail. Construction activities include sidewalk, storm drainage, site lighting, and landscaping improvements.

**SCOPE OF WORK**

The overall work in this contract consists of erosion and traffic control, clearing and grubbing, earthwork, grading, storm drainage improvements, removal and replacement of concrete sidewalk, site lighting and landscaping installation. Refer to Attachment B – Plan and Profile of SC-170 Sidewalk Extension.

- The scope of this contract consists of clearing & grubbing a pathway in a prescribed alignment within the right-of-way to allow for grading a defined width of subgrade to construct an 8-foot wide, 4-inch-thick concrete sidewalk. The overall intent is to replace the existing sidewalk and tie the new sidewalk into the Spanish Moss Trail. The sidewalk is to be constructed on the southern side of Robert Smalls Parkway, SC-170 Highway.
- It will be the responsibility of the contractor for coordination with the local utility providers and for making the necessary adjustments. All road work is to be performed within the existing or obtained Right-of-Way of the road and construction easements.
- Construction Engineering Inspections will be conducted by Infrastructure Consulting and Engineering, as needed.

This contract is a unit price contract.

**CONTRACT TIME**

The contract time to complete the project will be **90 days** from the given Notice To Proceed (NTP). The NTP will be coordinated with the City and the Contractor at the pre-construction meeting.

**STANDARDS AND REFERENCES**

This project is to be constructed under the SCDOT 2007 Standard Specifications for Highway Construction, the 2009 SCDOT Standard Drawings, the SCDOT 2004 Construction Manual, the SCDOT Supplemental Technical Specifications in effect at the time of the letting, and the following Special Provisions:

The above noted publications are available on the internet as follows, or may be obtained from the SCDOT Engineering Publications office at (803) 737-4533 or via e-mail at [engrpubsales@dot.state.sc.us](mailto:engrpubsales@dot.state.sc.us)

SCDOT 2007 Standard Specifications for Highway Construction	<a href="https://www.scdot.org/business/standard-specifications.aspx">https://www.scdot.org/business/standard-specifications.aspx</a>
2009 SCDOT Standard Drawings	<a href="https://www.scdot.org/business/standard-drawings.aspx">https://www.scdot.org/business/standard-drawings.aspx</a>
<i>SCDOT 2004 Construction Manual</i>	<a href="https://www.scdot.org/business/scdot-construction-manual.aspx">https://www.scdot.org/business/scdot-construction-manual.aspx</a>
<i>SCDOT Supplemental Technical Specifications</i>	<a href="https://www.scdot.org/business/road-technical-specs.aspx">https://www.scdot.org/business/road-technical-specs.aspx</a>
<i>South Carolina Manual on Uniform Traffic Control Devices (SCMUTCD)</i>	<a href="https://www.mutcd.fhwa.dot.gov">https://www.mutcd.fhwa.dot.gov</a>
<i>Approved Products List for Traffic Control Devices in Work Zones</i>	<a href="https://www.scdot.org/business/project_support/traffic_engineering/approved_products_list.pdf">https://www.scdot.org/business/project_support/traffic_engineering/approved_products_list.pdf</a>

**STANDARD DRAWINGS:**

- The Bidders are hereby advised that this project shall be constructed using the 2013 Standard Drawings with all updates effective at the time of the letting. The Standard Drawings are available for download at <http://www.scdot.org/business/projectsupport>. All drawings that are updated are labeled with their effective letting date in red.
- The Standard Drawings are available to purchase through the SCDOT Engineering Publications Sales Center. The Engineering Publication Sales Center is located in Room G- 19 (basement level) of the SCDOT Headquarters Building, 955 Park Street, Columbia, South Carolina.
- All references in the plans, standard specifications, supplemental specifications, supplemental technical specifications, or special provisions to drawings under the previous numbering system are hereby updated to the new drawing numbers. Refer to sheets 000-205-01 through 000-205-07 to find new drawing numbers when looking for references to older drawing numbers.



- **Site Map**



**QUALIFICATIONS**

At a minimum, and to be considered a responsible proposer, the individuals and/or company must:

1. Currently possess or obtain a City of Beaufort Business License if awarded, provide liability insurance, and register as a vendor, as required in the City of Beaufort General Terms and Conditions.
2. Have three (5) years of documented past, proven, and positive experiences in providing the services requested.
3. Provide at least five (5) public sector references for whom the firm has provided similar services within the past three (3) years.
4. Demonstrate the ability to provide the requested services by examples of work for referenced clients.



**I. ADDITIONAL DOCUMENTS**

Additional documents may be available online. Proposers are required to review and be familiar with any documents as they are a part of the RFP and will become part of the awarded contract. These additional documents may be accessed on the City of Beaufort website under How Do I – Bid Proposals – Current Bid Opportunities at [www.cityofbeaufort.org](http://www.cityofbeaufort.org).

**II. SUBMISSION REQUIREMENTS**

- I. **Required content of proposal:** The detailed requirements set forth in the Proposal Format are recommended. Failure by any Proposer to respond to a specific requirement may result in disqualification. Proposers are reminded that proposals will be considered exactly as submitted. Points of clarification will be solicited from proposers at the discretion of the City. Those proposals determined not to be in compliance with provisions of this RFP and the applicable law and/or regulations will not be processed. In addition to the information required as described below, a Respondent may submit supplemental information that it feels may be useful in evaluating its proposal. This information may include documents such as a firm profile or brochure.

All costs incurred by the Proposer associated with RFP preparations and subsequent interviews and/or negotiations, which may or may not lead to execution of a contract, shall be the responsibility entirely and exclusively by the proposer.

- II. **Proposal format:** The proposal format requirements were developed to aid Proposers in their proposal development. They also provide a structured format so reviewers can systematically evaluate several proposals. These directions apply to all proposals submitted.

The purpose of the Proposal is to demonstrate the technical capabilities, professional qualifications, past project experiences, and knowledge within this industry. Proposer's proposal must address all the points outlined herein as required, in the following order:

- a. **Transmittal Letter:** A transmittal letter must be submitted with a Proposer's proposal which shall include:
- i. Name of the firm responding, including mailing address, e-mail address, telephone number, and names of contact person.
  - ii. The name of the person or persons authorized to make representations on behalf of the Proposer, binding the firm to a contract.
  - iii. Prepare an executive summary stating the respondent's understanding of the project and opinion why the respondent's firm should be chosen. Include any general information the proposer wishes the City to consider about the proposal.

- iv. An affirmative statement that the proposer has read and agrees to the City of Beaufort’s General Terms and Conditions as posted on the City website (<http://www.cityofbeaufort.org/DocumentCenter/View/868/General-Terms-Conditions-May-9-2016-PDF>) and will adhere to them as a component of the contract documents.
- b. Proposer’s Work History and References:**
- i. Contractor should have at least a (5) year history of similar construction project. Provide client references (name, address, e-mail, and phone number) for a minimum of five (5) projects completed in the last three (3) years of a similar size and nature.
  - ii. Identify any additional or unique resources, options, capabilities, or assets which the Proposer would bring to this project.
- c. Required Forms:**
- i. Proposals must include the required forms.
    - 1. Certificates of Insurance showing present coverage as described in the “Insurance” section of the General Terms and Conditions.
    - 2. Ethics in Public Contracting Certification
    - 3. Non-Collusion Affidavit
    - 4. Small / Woman-Owned / Minority Business Enterprise Form
    - 5. Non-Resident Taxpayer Affidavit (S.S. Department of Revenue I-312)
    - 6. RFP Signature page (must be signed in ink)
    - 7. Price Summary Form (Attachment A)
- d. Other Information to Provide:**
- i. List any lawsuits or arbitration proceedings that have been initiated by or against your company in the past five years. Briefly describe the nature of the action and the outcome.

### III. PROPOSAL EVALUATION

The City will evaluate proposals based on the factors outlined within this RFP, which shall be applied to all eligible, responsive proposals in selecting the successful firm. The City reserves the right to disqualify any proposal for, but not limited to; person or persons it deems as non-responsive and/or non-responsible. The City reserves the right to make such investigations of the qualifications of the Proposer as it deems appropriate.

The selection committee will evaluate proposals and rank the bidders based on the following criteria:

#### **A.) Qualifications and Experience (25 points)**

Proposals will be evaluated for the Contractor pertinent qualifications and experience, based on submission of examples of previous work conducted.

#### **B.) Proposed Methodology and Scope of Work compliance (25 Points)**

Proposals will be evaluated based on the stated approach to the work, the detailed organization of tasks, schedules to implement the approach, and demonstrated understanding of the requirements of the City of Beaufort.

#### **C.) Cost of Services (25 Points)**

Proposals will be evaluated on the lump-sum amount proposed.

#### **D.) Quality and Satisfaction of reference responses (25 Points)**

Reference responses for selected proposers will be evaluated and considered as evidence of past performance.

**Lowest responsible bidder.** Contracts shall be awarded to the lowest responsible bidder. In determining “lowest responsible bidder”, in addition to price, the City shall consider:

- (a) The ability, capacity, and skill of the bidder to perform the contract or provide the service required;
- (b) Whether the bidder can perform the contract or provide the service promptly, or within the time specified, without delay or interference;
- (c) The character, integrity, reputation, judgment, experience, and efficiency of the bidder;
- (d) The quality of performance of previous contracts or services;
- (e) The previous and existing compliance by the bidder with laws and ordinances relating to the contract or services;
- (f) The sufficiency of the financial resources and ability of the bidder to perform the contract or provide the service;

- (g) The quality, availability and adaptability of the supplies or contractual services to the particular use required;
- (h) The ability of the bidder to provide future maintenance and service for the use of the subject: of the contract;
- (i) The number and scope of conditions attached to the bid.

It is the City's intent to contract with one proposer to provide the services as detailed herein. Award of any proposal may be made without discussion with Proposers after responses are received. The Proposers submitting sealed proposals will be evaluated by an evaluation committee. The committee will evaluate each component separately. After careful evaluation, the committee will rank the Proposers and make a recommendation to the City Manager of the lowest responsible bidder. The City reserves the right to accept or reject any and all bids that is in the best interest of the City.

The City may choose to interview one or more contractor(s) responding to this RFP. The City reserves the right to request and obtain, from one or more contractor(s), supplementary information as may be necessary for the City to analyze the proposal pursuant to the evaluation criteria. The City reserves the right to accept or reject any and all proposals that is in the best interest of the City.

Price Summary Form

**CITY OF BEAUFORT  
SOUTH CAROLINA  
RFP SIGNATURE PAGE  
RFP 2021-117 HWY 170 Sidewalk Extension**

PROPOSER'S NAME: \_\_\_\_\_

The undersigned, having become familiar with the existing conditions and the Proposal Scope of Services hereby proposed, agrees to complete the work as described in accordance with the Request for Proposal and Contract Documents.

**Proposer** warrants that no gratuities, in the form of gifts, entertainment, or otherwise, were offered or given by the **Proposer**, to any officer or employee of the City with a view toward securing the contract or securing favorable treatment with respect to any determination concerning the performance of the contract.

This offer is genuine and not made in interest of or on behalf of any undisclosed person, vendor or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization, or corporation; **Proposer** has not directly induced or solicited any other **Proposer** to submit false or sham bid; **Proposer** has not solicited or sought by collusion to obtain for itself any advantage over any other **Proposer** or other **Owner**.

**The words "Bidder", "Offeror", "Proposer", "Vendor", and "Company" are used interchangeably throughout this solicitation, and are used in place of the person, vendor, or corporation submitting a solicitation.**

Proposer has examined copies of all documents and of the following addenda (if applicable):

Addendum No.	Date
_____	_____
_____	_____
_____	_____

Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_  
Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_  
Email: \_\_\_\_\_

\*Signature: \_\_\_\_\_ Title: \_\_\_\_\_

**Proposal will not be accepted unless signed in ink (not typed) in the appropriate space by an authorized officer or employee of the bidder.**

Printed Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Attachment A - Price Summary Form

SC-170 SIDEWALK EXTENSION PROJECT – PRICE SUMMARY FORM						
LINE ITEM	PAY ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
1	1031000	MOBILIZATION	1	LS		
2	1032010	BONDS AND INSURANCE	1	LS		
3	1050800	CONSTRUCTION STAKES, LINES & GRADES	1	EA		
4	1071000	TRAFFIC CONTROL	1	LS		
5	1090200	ASBUILT CONSTRUCTION PLANS	1	LS		
6	2012000	CLEARING & GRUBBING WITHIN ROADWAY	1	LS		
7	2021010	REMOVAL & DISPOSAL OF EXISTING DROP INLET	1	EA		
8	2027000	REMOVAL & DISPOSAL OF EXISTING CONCRETE	225	SY		
9	2031000	UNCLASSIFIED EXCAVATION	20	CY		
10	2033000	BORROW EXCAVATION	90	CY		
11	6020005	PERMANENT CONSTRUCTION SIGNS (GROUND MOUNTED) SCHEME D	100	SF		
12	6651091	SINGLE DECORATIVE LIGHT POLE WITH SINGLE LIGHT	3	EA		
13	675027Y	FURNISH & INSTALL 4.0" SCHD 80 PVC CONDUIT (DIRECTION BORED)	120	LF		
14	6760020	2" SCHEDULE 80 PVC CONDUIT	540	LF		
15	6770319	#8Cu,1,600V, RHH, RHW, USE	1690	LF		
16	6800530	17X30X28D.ELEC. UNGRD.ENCLOS/HD	2	EA		
17	6888110	INSTALL STREET LIGHT LUMINAIRE	4	EA		
18	7198320	JUNCTION BOX - CONVERT DROP INLET 24" X 36"	2	EA		
19	7204100	CONCRETE SIDEWALK (4" UNIFORM)	358	SY		
20	7209000	PEDESTRIAN RAMP CONSTRUCTION	43	SY		
21	8100100	PERMANENT COVER	0.08	ACRE		
22	8100200	TEMPORARY COVER	0.08	ACRE		
23	8104005	FERTILIZER (NITROGEN)	8	LB		
24	8104010	FERTILIZER (PHOSPHORIC ACID)	8	LB		
25	8104015	FERTILIZER (POTASH)	8	LB		
26	8105005	AGRICULTURAL GRANULAR LIME	160	LB		
27	8110001	LANDSCAPING	1	LS		
28	8151203	HYDRAULIC EROSION CONTROL PRODUCT (HECP) - TYPE 3	0.05	ACRE		
29	8153000	SILT FENCE	400	LF		
30	8153090	REPLACE/REPAIR SILT FENCE	40	LF		
31	8154050	REMOVAL OF SILT RETAINED BY SILT FENCE	100	LF		
					<b>PROJECT TOTAL:</b>	



**Attachment B – Plan and Profile SC-170 Sidewalk Extension**

The balance of this page intentionally left blank. Plan and Profile follows.

STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			SC-170	1

## SHEET INDEX

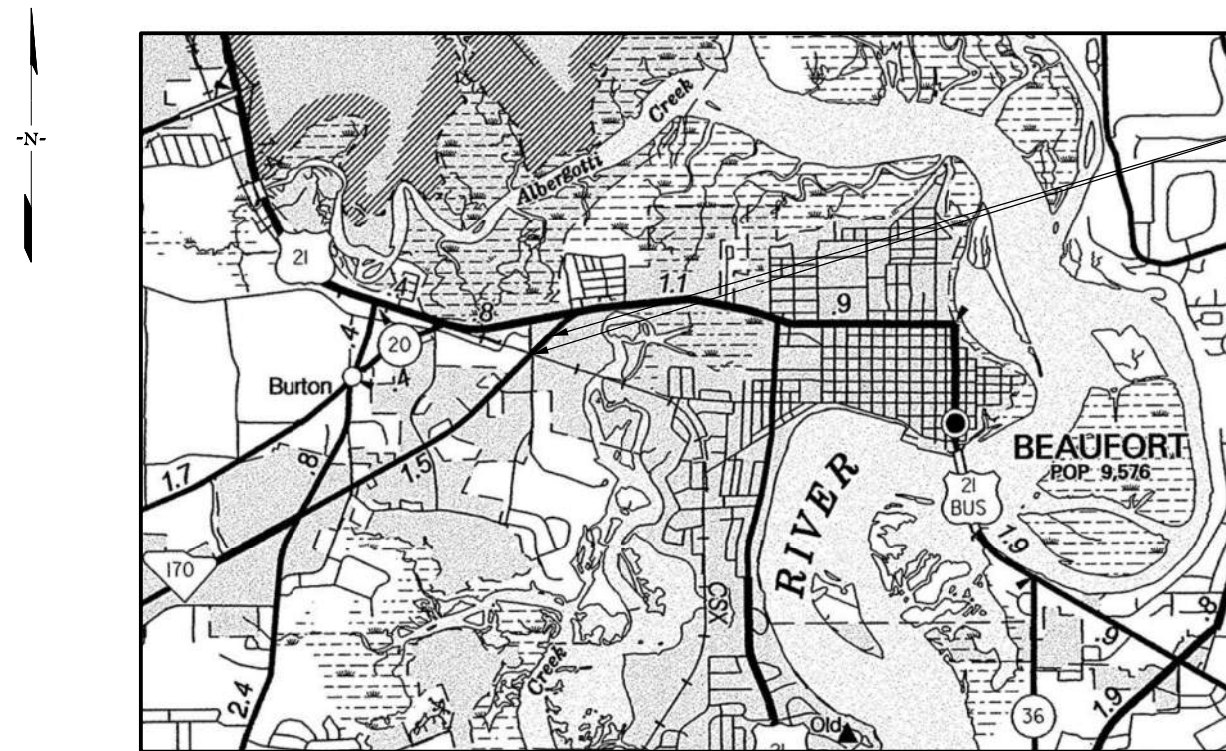
SHEET NO.	DESCRIPTION	SHEET TOTALS
1	TITLE SHEET	1
2	SUMMARY OF ESTIMATED QUANTITIES	1
3	TYPICAL SECTION	1
3A	DETAIL SHEET	1
4	RIGHT OF WAY DATA SHEET	1
5	GENERAL NOTES	1
5A	REFERENCE DATA SHEET	1
6	PLAN SHEET	1
EC1	EROSION CONTROL DATA SHEET	1
D1	DRAINAGE & EROSION CONTROL SHEET	1
LL1-LL6	LIGHTING SHEET	6
LA1	LANDSCAPING SHEET	1
X1-X2	CROSS SECTIONS	2
TOTAL		19

# CITY OF BEAUFORT



## PLAN AND PROFILE OF SC-170 SIDEWALK EXTENSION

FROM: ROBERT SMALLS PKWY (SC-170)  
TO: SPANISH MOSS TRAIL



ROBERT SMALLS PKWY (SC-170)  
BEGIN CONSTRUCTION  
STA. 10+33.13  
END CONSTRUCTION  
STA. 16+26.39

### NPDES PERMIT INFORMATION

Disturbed Area = 0.125 Acre(s)

### Approximate Location of Roadway is

Begin  
Latitude 32°26'15" N  
Longitude 80°42'27" W

End  
Latitude 32°26'19" N  
Longitude 80°42'23" W

Hydraulic and NPDES Design  
provided by:

I.C.E.

Designs may be obtained from the  
SCDOT Regional Production Group

THE INITIALS ABOVE DO NOT RELIEVE THE ENGINEER OF RECORD OF THE RESPONSIBILITY TO DESIGN THIS PROJECT IN ACCORDANCE WITH ALL APPLICABLE CRITERIA.

SCDOT REVIEW	RIGHT-OF-WAY		CONSTRUCTION	
	INITIAL	DATE	INITIAL	DATE
PRECONSTRUCTION SUPPORT - ROAD				
PRECONSTRUCTION SUPPORT - STRUCTURES				
RPG - DESIGN MANAGER				
RPG - PROGRAM MANAGER				

THE INITIALS ABOVE DO NOT RELIEVE THE ENGINEER OF RECORD OF THE RESPONSIBILITY TO DESIGN THIS PROJECT IN ACCORDANCE WITH ALL APPLICABLE CRITERIA.

### For Right Of Way Acquisition:

\_\_\_\_\_  
Consultant Engineer of Record Date

Hydraulic Design Reference for these plans is the:  
**2009**  
Edition of SCDOT's "Requirements for Hydraulic Design Studies"

Design Reference for these plans is the:  
**2011**  
AASHTO "A Policy on Geometric Design of Highways and Streets"

3 DAYS BEFORE DIGGING IN  
SOUTH CAROLINA  
**CALL 811**  
SOUTH CAROLINA 811 (SC811)  
WWW.SC811.COM  
ALL UTILITIES MAY NOT BE A MEMBER OF SC811

RAILROAD INVOLVEMENT?  
YES  NO

LAYOUT  
N.T.S.

	SC - 170	TOTAL (MILES)
NET LENGTH OF ROADWAY	0.11	0.11
NET LENGTH OF BRIDGES	-	-
NET LENGTH OF PROJECT	0.11	0.11
LENGTH OF EXCEPTIONS	-	-
GROSS LENGTH OF PROJECT	0.11	0.11

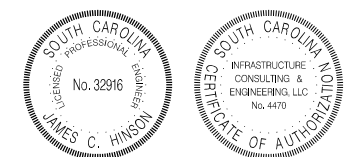
EQUALITIES IN STATIONING:  
NONE

NOTE: EXCEPT AS MAY OTHERWISE BE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL TO CONFORM WITH SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (2007 EDITION) AND STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN EFFECT AT THE TIME OF LETTING.

CONSULTING ENGINEERING FIRM



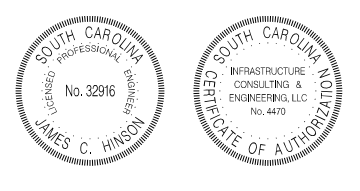
ENGINEER OF RECORD



FOR CONSTRUCTION : \_\_\_\_\_ DATE

# SUMMARY OF ESTIMATED QUANTITIES

PAYITEM	DESCRIPTION	QUANTITY	UNIT
1031000	MOBILIZATION	1.00	LS
1032010	BONDS AND INSURANCE	1.00	LS
1050800	CONSTRUCTION STAKES, LINES & GRADES	1.00	EA
1071000	TRAFFIC CONTROL	1.00	LS
2012000	CLEARING & GRUBBING WITHIN ROADWAY	1.00	LS
2021010	REMOVAL & DISPOSAL OF EXISTING DROP INLET	1.00	EA
2024100	REMOVAL & DISPOSAL OF EXISTING CURB	265.00	LF
2027000	REMOVAL & DISPOSAL OF EXISTING CONCRETE	360.00	SY
2031000	UNCLASSIFIED EXCAVATION	20.00	CY
2033000	BORROW EXCAVATION	90.00	CY
3100320	HOT MIX ASPHALT BASE COURSE - TYPE B	40.00	TN
4011004	LIQUID ASPHALT BINDER PG 64-22	5.90	TN
4030340	HOT MIX ASPHALT SURFACE COURSE - TYPE C	65.00	TN
6271015	8" WHITE SOLID LINES THERMOPLASTIC - 125 MIL.	236.00	LF
6271025	24" WHITE SOLID LINES THERMOPLASTIC - 125 MIL.	46.00	LF
6271074	4" YELLOW SOLID LINES(PVT.EDGE LINES) THERMO-90 MIL.	32.00	LF
6020005	PERMANENT CONSTRUCTION SIGNS (GROUND MOUNTED) SCHEME D	100.00	SF
6651091	SINGLE DECORATIVE LIGHT POLE WITH SINGLE LIGHT	3.00	EA
675027Y	FURNISH & INSTALL 4.0" SCHD 80 PVC CONDUIT(DIRECTION BORED)	120.00	LF
6760020	2" SCHEDULE 80 PVC CONDUIT	540.00	LF
6770319	#8Cu,1,600V,RHH,RHW,USE	1690.00	LF
6800530	17X30X28D.ELEC.UNGRD.ENCLOS/HD	2.00	EA
6888110	INSTALL STREET LIGHT LUMINAIRE	4.00	EA
7191605	CATCH BASIN -TYPE 16	1.00	EA
7198320	JUNCTION BOX - CONVERT DROP INLET 24" X 36"	2.00	EA
7198392	JUNCTION BOX - CONVERT CB T-16	1.00	EA
7203110	CONCRETE CURB AND GUTTER(1'-6") VERTICAL FACE	190.00	LF
7204100	CONCRETE SIDEWALK(4" UNIFORM)	358.00	SY
7209000	PEDESTRIAN RAMP CONSTRUCTION	43.00	SY
8100100	PERMANENT COVER	0.08	ACRE
8100200	TEMPORARY COVER	0.08	ACRE
8104005	FERTILIZER (NITROGEN)	8.00	LB
8104010	FERTILIZER (PHOSPHORIC ACID)	8.00	LB
8104015	FERTILIZER (POTASH)	8.00	LB
8105005	AGRICULTURAL GRANULAR LIME	160.00	LB
8110001	LANDSCAPING	1.00	LS
8151203	HYDRAULIC EROSION CONTROL PRODUCT (HECP) - TYPE 3	0.05	ACRE
8153000	SILT FENCE	400.00	LF
8153090	REPLACE/REPAIR SILT FENCE	40.00	LF
8154050	REMOVAL OF SILT RETAINED BY SILT FENCE	100.00	LF



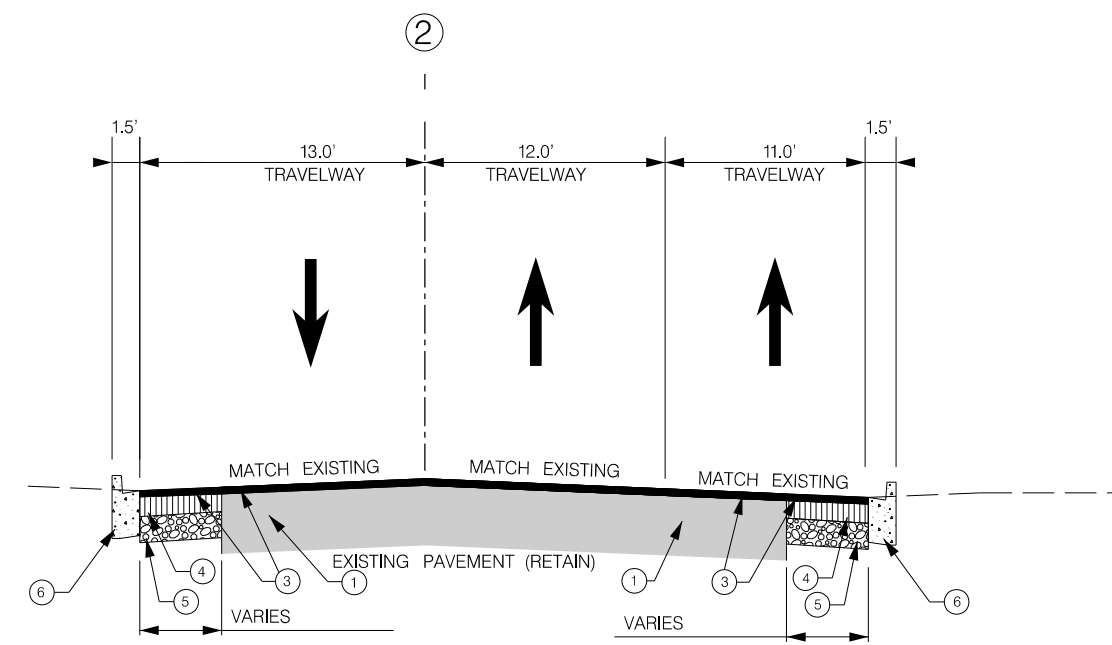
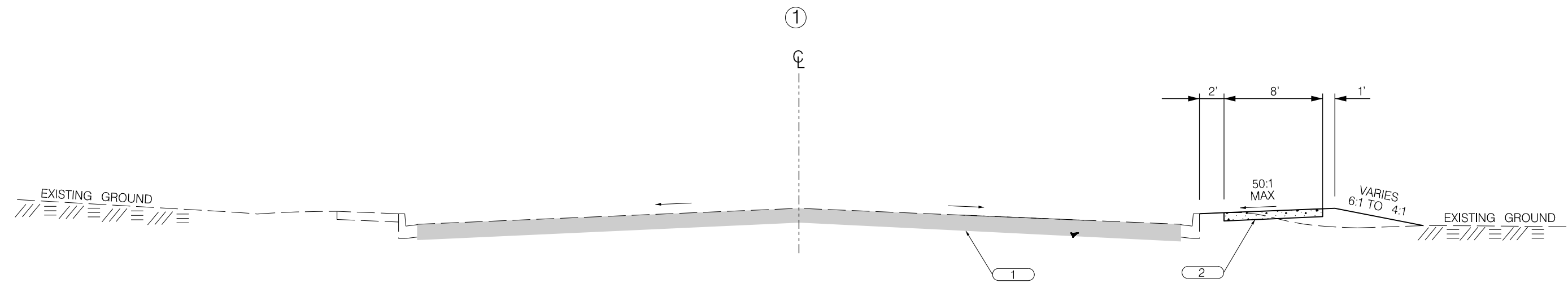
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	
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BEAUFORT COUNTY  
CITY OF BEAUFORT

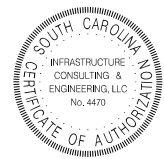
ROBERT SMALLS PKWY (SC-170)  
SUMMARY OF ESTIMATED QUANTITIES

SHEET 2 SCALE: NTS

# TYPICAL SECTIONS



1		EXISTING PAVEMENT - RETAIN
2		CONCRETE SIDEWALK (4" UNIFORM)
3		HOT MIX ASPHALT SURFACE COURSE - TYPE C (175 PSY)
4		HOT MIX ASPHALT SURFACE COURSE - TYPE C (175 PSY)
5		HOT MIX ASPHALT BASE COURSE - TYPE B (450 PSY)
6		CONCRETE CURB & GUTTER 1'-6"

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	
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BEAUFORT COUNTY CITY OF BEAUFORT	
ROBERT SMALLS PARKWAY (SC-170) TYPICAL SECTIONS	
SHEET 3	SCALE:

**REFERENCES**

**NATIONAL DOCUMENTS**  
 REVISED DRAFT GUIDELINES FOR ACCESSIBLE PUBLIC RIGHTS-OF-WAY NOVEMBER, 2005.  
 MUTCD 2009

**SCDOT DOCUMENTS**  
 SCDOT TRANSITION PLAN  
 QPL 61

**RELATED DRAWINGS & KEYWORDS**

THIS DRAWING IS ONLY VALID FOR CONSTRUCTION WHEN SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF SOUTH CAROLINA. CHECK WWW.SCDOT.ORG FOR LATEST UPDATE.



*James W. Kendall*  
 SIGNATURE  
 10/30/2015  
 DATE

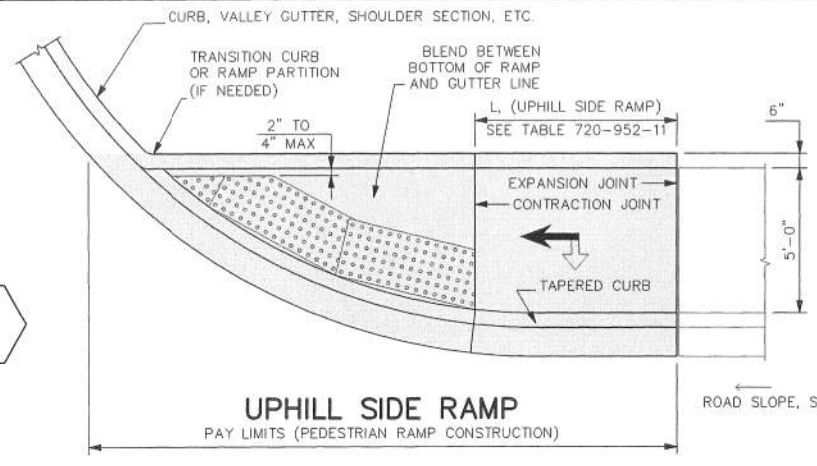
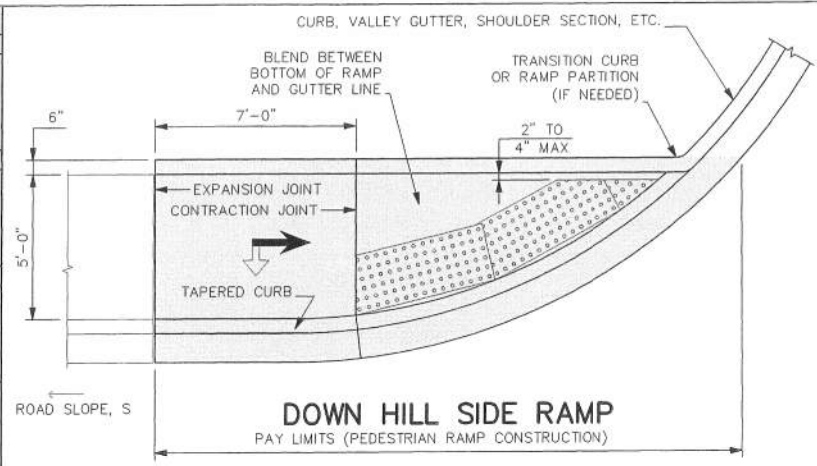
#	DATE	CHK	DESCRIPTION
6	---	---	---
5	---	---	---
4	---	---	---
3	1/16	HJC	REM DET 2, GENERAL
2	1/15	JMG	BLEND NOTES
1	10/14	JMG	REMOVED PAY ITEMS
0	1/13	DSO	NEW DRAWING



DESIGN STANDARDS OFFICE  
 955 PARK STREET  
 ROOM 405  
 COLUMBIA, SC 29201

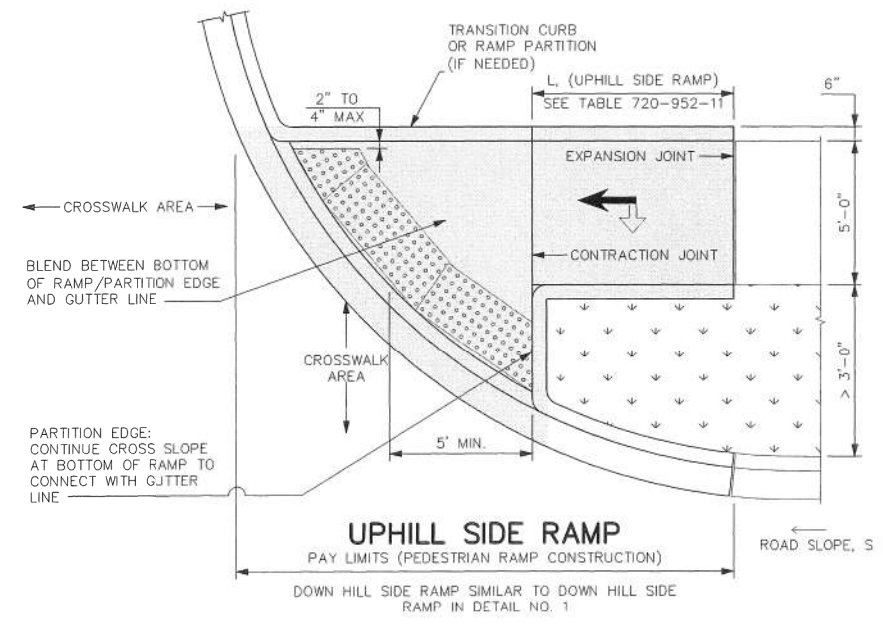
**STANDARD DRAWING**  
 PEDESTRIAN RAMP  
 CONDENSED  
 TERMINAL  
 (PARALLEL RAMP)

720-952-11  
 EFFECTIVE LETTING DATE | JANUARY 2016



**DETAIL 1**  
 SCALE: 3/16" = 1'-0"  
 PLAN  
 NO GRASS STRIP  
 SEE 720-901-03 FOR SYMBOLS  
 SINGLE CROSSWALK

- NOTES:**
- SEE STANDARD DRAWINGS 720-901-XX FOR GENERAL NOTES AND 720-901-03 FOR SYMBOLS.
  - SEE STANDARD DRAWINGS 720-91X-XX FOR INSTALLATION PROCEDURES FOR DETECTABLE WARNING SURFACE MATERIALS.
  - SEE STANDARD DRAWINGS 720-929-XX FOR VARIANTS TO THIS STANDARD.
  - QUANTITIES IN TABLE 720-952-11 ASSUME THAT DOWN HILL SIDE RAMP IS ALWAYS AT LEAST 7'-0" LONG.
  - CONSTRUCT RAMP PARTITION AT ALL LOCATIONS WHERE ROADWAY DRAINAGE COULD DISCHARGE ONTO ADJACENT PROPERTY. CONSTRUCT RAMP PARTITION IF NEEDED TO RETAIN EXISTING GROUND ELEVATION ON ADJACENT PROPERTY.



**DETAIL 2**  
 SCALE: 3/16" = 1'-0"  
 PLAN  
 > 3'-0" GRASS STRIP  
 SEE 720-901-03 FOR SYMBOLS  
 CONSIDER USING PERPENDICULAR RAMP TO CROSS MAIN LINE  
 DUAL CROSSWALK

TABLE: 720-952-11 (SEE 720-929-01, X=10')

ROAD SLOPE, S (%)	L, (UPHILL SIDE RAMP), [FT]
S ≤ 1%	7'-0"
1% > S ≤ 3%	10'-0"
S > 3%	15'-0"



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BEAUFORT COUNTY  
 CITY OF BEAUFORT



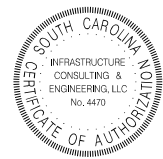
ROBERT SMALLS PKWY (SC-170)  
 DETAIL SHEET

# RIGHT OF WAY DATA SHEET

STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			SC-170	4

TRACT NO.	PROPERTY OWNER	TAX MAP REFERENCE	TOTAL TRACT ACRES	OBTAIN			REMAINDER LEFT ACRES	REMAINDER RIGHT ACRES	DATE ACQUIRED	TYPE OF INSTRUMENT	OUTFALL DITCH PERMISSION (YES)	SLOPE PERMISSION (YES)	DRAINAGE STRUCTURE PERMISSION (YES)	EROSION CONTROL PERMISSION (YES)	ENTRANCE CONSTRUCTION PERMISSION (YES)	REMARKS
				OUTFALL DITCH ACRES	LEFT	RIGHT										
1	CITY OF BEAUFORT - SPANISH MOSS TRIAL											YES		YES		
2	BEAUFORT PLAZA INC % LEITH PAUL TRASK	R122 029 000 0137 0000	2.95													
3	BEAUFORT PLAZA INC % LEITH PAUL TRASK	R122 029 000 0517 0000	0.5									YES		YES	YES	
4	BEAUFORT PLAZA INC	R122 029 000 128A 0000	7.30									YES		YES	YES	
5	BEAUFORT PLAZA INC % LEITH PAUL TRASK	R122 029 000 117A 000	0.61													

**NOTES:**  
 TOTAL OBTAIN INCLUDES HIGHLAND, MARSH AND OUTFALL DITCHES. OBTAINS WILL BE SHOWN IN SQUARE FEET AND ACRES. ACRES WILL BE SHOWN IN PARENTHESES UNDER SQUARE FEET. IN RURAL AREAS OBTAINS MAY BE SHOWN IN ACRES ONLY. OUTFALL DITCHES WILL BE SHOWN IN ACRES ONLY.  
  
 SHOW REMAINDER IN SQUARE FEET WHEN LESS THAN 0.25 ACRE.

	 	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">REV. NO.</td> <td style="width: 10%;">BY</td> <td style="width: 10%;">DATE</td> <td style="width: 75%;">DESCRIPTION OF REVISION</td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="3">DESIGNED BY: TKC</td> <td>DATE: _____</td> </tr> <tr> <td colspan="3">DRAWN BY: TKC</td> <td>DATE: _____</td> </tr> <tr> <td colspan="3">CHECKED BY: JCH</td> <td>DATE: _____</td> </tr> </table>	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	4				3				2				1				DESIGNED BY: TKC			DATE: _____	DRAWN BY: TKC			DATE: _____	CHECKED BY: JCH			DATE: _____	BEAUFORT COUNTY CITY OF BEAUFORT  ROBERT SMALLS PKWY (SC-170) RIGHT OF WAY DATA SHEET
REV. NO.	BY	DATE	DESCRIPTION OF REVISION																																
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STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			SC-170	5

# GENERAL NOTES

GENERAL CONSTRUCTION NOTES:

THE CITY ENGINEER MUST SPECIFICALLY AUTHORIZE CHANGES INVOLVING INCREASED COST OF THE PROJECT OR CHANGES IN ALIGNMENT.

THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM AVAILABLE INFORMATION AND ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE UTILITIES INFORMATION SHOWN ON THE DRAWINGS. IT IS THEREFORE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THAT THE PROPER COORDINATION WITH THE VARIOUS UTILITY OWNERS HAS BEEN PERFORMED.

THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY OWNERS DURING RELOCATION OPERATIONS. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY WHETHER SHOWN ON THE DRAWINGS OR LOCATED BY THE UTILITY COMPANY. COST OF DAMAGES TO ANY UTILITIES AS A RESULT OF CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

ALL WORKMANSHIP AND MATERIALS USED ON THIS PROJECT SHALL CONFORM TO THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (2007 EDITION), SCDOT 2007 SUPPLEMENTAL SPECIFICATIONS, SCDOT SUPPLEMENTAL TECHNICAL SPECIFICATIONS IN EFFECT AT THE TIME OF LETTING AND SCDOT 2009 STANDARD DRAWINGS EXCEPT WHERE OTHERWISE NOTED IN THE PLANS.

ALL EXISTING ROAD SIGNS AFFECTED BY CONSTRUCTION ACTIVITIES SHALL BE RETAINED, RELOCATED, OR REMOVED AS DIRECTED BY ENGINEER. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE LUMP SUM COST FOR CLEARING AND GRUBBING.

ALL NEW SIGNS SHALL BE PLACED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND SCDOT STANDARD DRAWINGS, NEW 2P & 3P SIGN SUPPORTS REQUIRED FOR RELOCATED SIGNS WILL BE PAID PER LINEAR FOOT INSTALLED AND ACCEPTED.

THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN ALL NECESSARY PROVISIONS FOR TRAFFIC CONTROL FOR THE DURATION OF THE PROJECT. THESE PROVISIONS, AS IN EACH CASE IS APPLICABLE, WILL CONFORM TO THE REQUIREMENTS CONTAINED IN THE SCDOT STANDARD SPECIFICATIONS, STANDARD DRAWINGS, SUPPLEMENTAL SPECIFICATIONS, SPECIAL PROVISIONS, THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL SUBMIT THE TRAFFIC CONTROL PLAN TO THE COUNTY FOR APPROVAL BEFORE BEGINNING CONSTRUCTION.

THE LUMP SUM COST FOR TRAFFIC CONTROL SHALL INCLUDE ALL WORK AS DIRECTED ABOVE. THIS LUMP SUM COST SHALL INCLUDE TEMPORARY CONSTRUCTION SIGNS, BARRICADES, DRUMS, CONES, LIGHTS, AND OTHER ITEMS AS REQUIRED TO COMPLETE THIS WORK.

CONTRACTOR SHALL REFER TO SCDOT STD. DWG. 605-010-02 FOR PLACEMENT OF PERMANENT CONSTRUCTION SIGNS. THIS PROJECT REQUIRES ONE (1) SCHEME C AND ONE (1) SCHEME E. SIGNS SHALL BE PAID FOR PER SQUARE FOOT INSTALLED AND ACCEPTED UNDER THE BID ITEM FOR PERMANENT CONSTRUCTION SIGNS.

NARRATIVE DESCRIPTION:

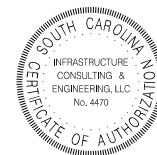
THE STORMWATER MANAGEMENT FOR THESE SIDEWALK IMPROVEMENTS INCLUDE MAINTAINING THE EXISTING STORM DRAINAGE COLLECTION AND CONVEYANCE SYSTEM DESIGNED TO ACCEPT STORM WATER RUNOFF FROM THE ROADWAY AND ADJACENT PROPERTIES ON A NETWORK OF INLETS AND CATCH BASINS AND CONVEY IT IN A CLOSED PIPE SYSTEM AND DISCHARGE IT INTO A MAINTAINED OUTFALL DITCH PERPENDICULAR TO SC-170.

THE TOPOGRAPHY OF THE SITE IS VERY FLAT AND PRIMARILY COMMERCIAL DEVELOPMENT WITH GRASSY LANDSCAPED AREAS. THIS PROJECT WILL NOT AFFECT THE EXISTING BUILDINGS BUT WILL ENCROACH ON THE LANDSCAPING. WEB SOIL SURVEY WAS USED TO DETERMINE THE SOIL CONDITIONS AT THIS SITE. THE SOILS ARE PREDOMINANTLY SANDY SOILS.

THE SEDIMENT CONTROL PLAN INCLUDES FOLLOWING THE EROSION CONTROL NOTES AND SEQUENCE OF CONSTRUCTION BY PLACING SILT FENCE AROUND THE PERIMETER, AND BY PLACING A COMBINATION OF TYPE A AND TYPE F INLET TUBES AT ADJACENT INLETS.

SEQUENCE OF CONSTRUCTION

1. OBTAIN NPDES COVERAGE FROM DHEC AND FINAL MS4 APPROVAL FROM THE CITY OF BEAUFORT DEPARTMENT OF PUBLIC WORKS.
2. NOTIFY SC DHEC REGIONAL OFFICE AND THE CITY OF BEAUFORT DEPARTMENT OF PUBLIC WORKS 48 HOURS PRIOR TO ANY LAND DISTURBING ACTIVITIES.
3. INSTALL TREE PROTECTION AND DELINEATE CLEARING LIMITS.
4. CLEARING & GRUBBING ONLY AS NECESSARY FOR INSTALLATION OF PERIMETER CONTROLS (E.G. SILT FENCE).
5. INSTALL PERIMETER CONTROLS (E.G. SILT FENCE).
6. PROVIDE SITE DRAINAGE WITH DIVERSION DITCHES, SWALES AND DRAINS.
7. CLEARING AND GRUBBING OF SITE (SEDIMENT & EROSION CONTROL MEASURES FOR THESE AREAS MUST ALREADY BE INSTALLED).
8. STRIP TOP SOIL AND STOCKPILE FOR LATER USE ON SHOULDERS AND SLOPES PER SECTION 209 OF THE STANDARD SPECIFICATIONS. "ALL DISTURBED AREA [ANY AREA OF LAND THAT WILL BE DISTURBED DURING CONSTRUCTION, THAT INCLUDES CLEARING, GRUBBING, STOCK PILING AND INSTALLATION OF ANY BMPS (SILT FENCE, SWALES, CHECK DAMS, ETC)] MUST BE INCLUDED WITHIN THE LIMITS OF DISTURBANCE."
9. ROUGH GRADING.
10. INSTALL STORM DRAINAGE.
11. FINE GRADING.
12. CONSTRUCT CURB & GUTTER.
13. ASPHALT PAVING.
14. CONSTRUCT SIDEWALK.
15. FINISH GRADING AND FINAL GRASSING AND LANDSCAPING.
16. MAINTAIN ALL SEDIMENT AND EROSION CONTROL DEVICES FOR THE EXTENT OF THE PROJECT.
17. REMOVAL OF SEDIMENT CONTROLS AFTER SITE HAS BEEN STABILIZED.
18. CONTACT THE BEAUFORT COUNTY CAPITAL PROJECTS DIRECTOR FOR FINAL PROJECT INSPECTION.
19. FILE NOTICE OF TERMINATION.



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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
DESIGNED BY:	TKC	DATE	
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BEAUFORT COUNTY  
CITY OF BEAUFORT

ROBERT SMALLS PKWY (SC-170)  
GENERAL CONSTRUCTION NOTES

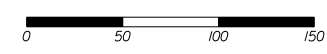
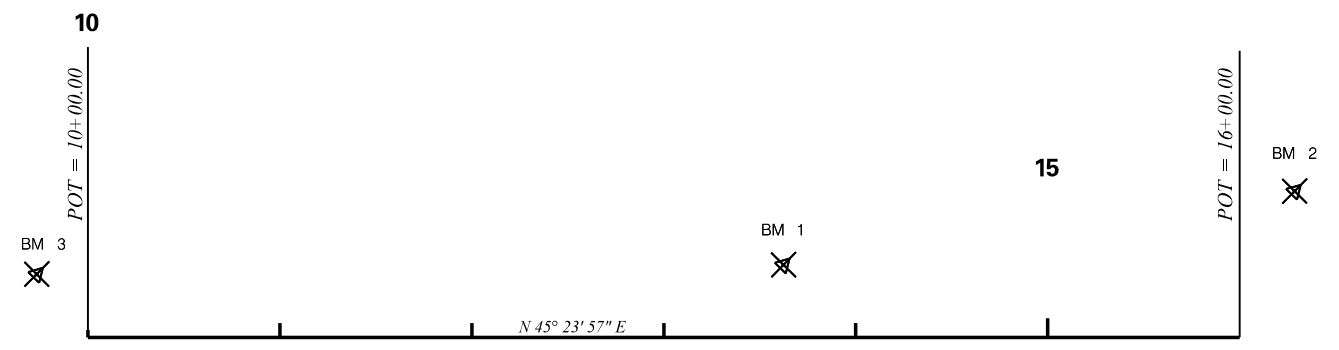
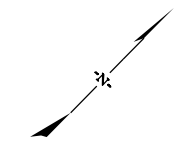
SHEET 5      SCALE:

STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			SC-170	5A

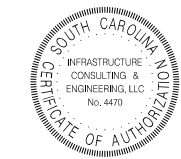
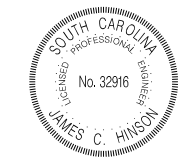
GENERAL INFORMATION	
CONTROL SURVEY SUMMARY	
VERTICAL	- NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88)
HORIZONTAL	- NORTH AMERICAN DATUM 1983 (NAD 83)
COORDINATES	- SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM

ALIGNMENT CONTROL POINTS		
CONTROL	NORTHING (Y)	EASTING (X)
PI = 10+00.00	220,006.826	2,090,194.824
PI = 16+00.00	220,428.124	2,090,622.033

SURVEY CONTROL POINTS				
CONTROL	NORTHING (Y)	EASTING (X)	ELEVATION	DESCRIPTION
BM 1	220,288.1904	2,090,426.214	15.117	X ON CROSS WALK CONC PAD VRS
BM 2	220,502.5017	2,090,588.869	15.977	RR SPIKE IN 11" OAK
BM 3	220,011.5551	2,090,152.624	14.337	X IN TOP OF CONC CURB



**IE INFRASTRUCTURE**  
CONSULTING & ENGINEERING



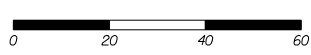
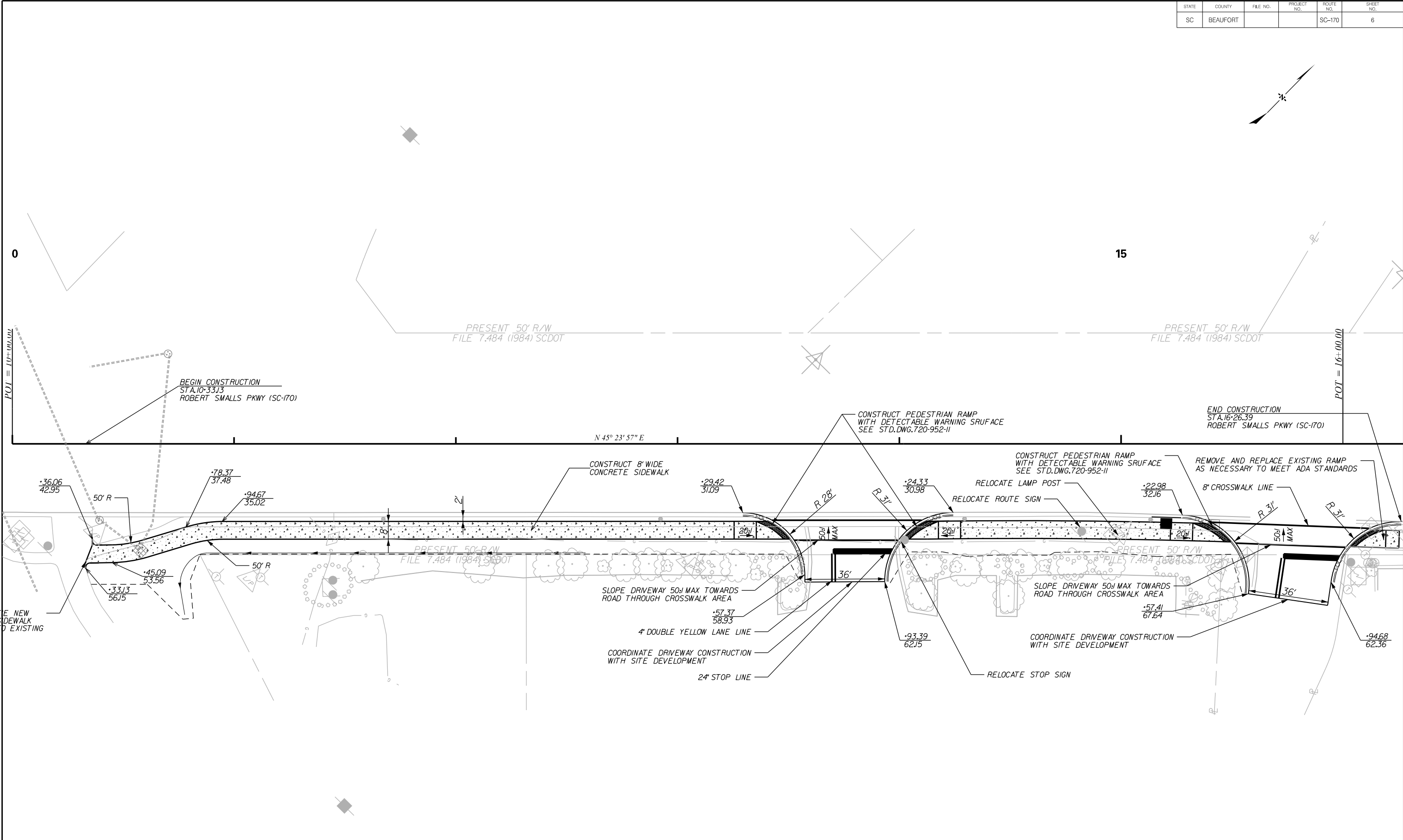
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BEAUFORT COUNTY  
CITY OF BEAUFORT

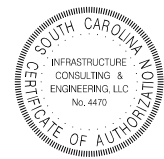
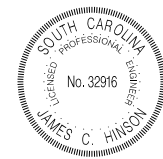
ROBERT SMALLS PKWY (SC-170)  
REFERENCE DATA SHEET

SHEET 5A      SCALE: 1" = 50'

STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			SC-170	6



**IE INFRASTRUCTURE CONSULTING & ENGINEERING**



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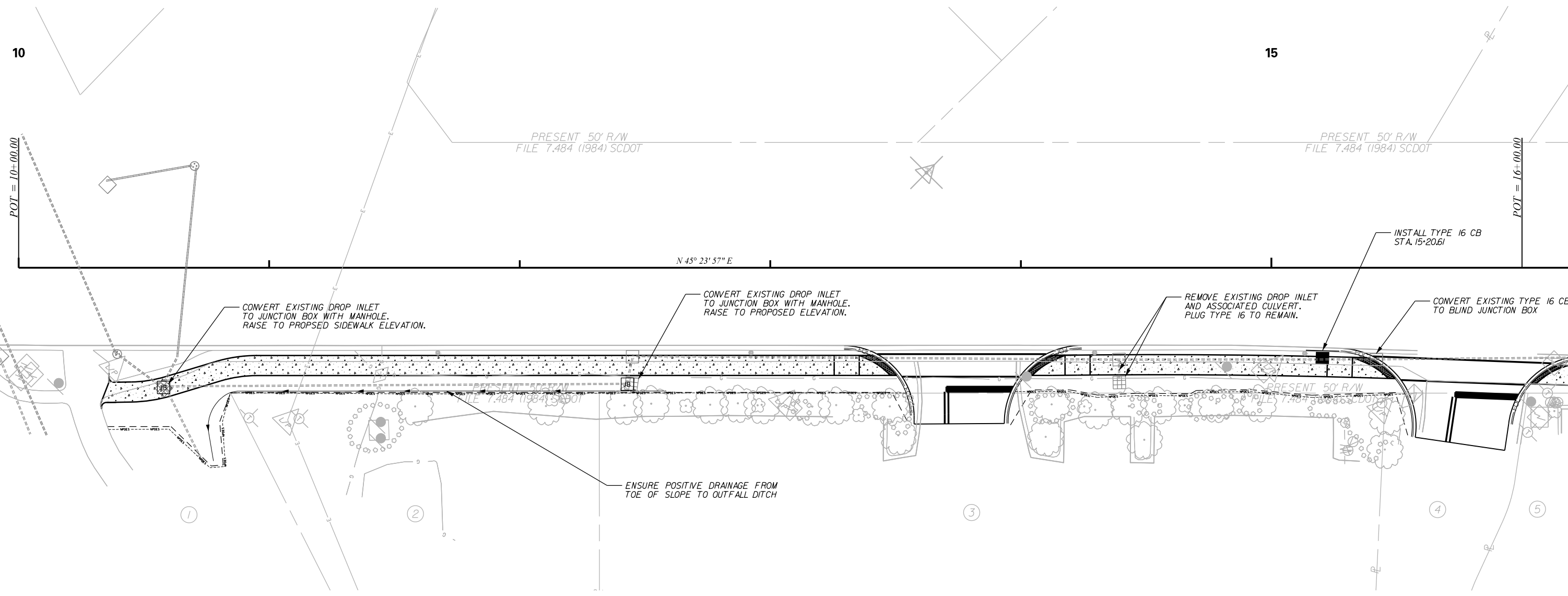
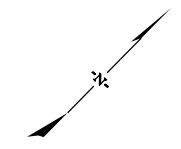
BEAUFORT COUNTY  
CITY OF BEAUFORT

ROBERT SMALLS PKWY (SC-170)  
PLAN SHEET

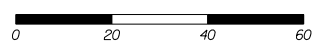
SHEET SCALE: 1" = 20'



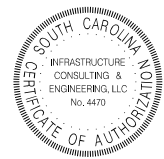
STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			SC-170	D1



LEGEND	
-----	SILT FENCE



**IE INFRASTRUCTURE**  
CONSULTING & ENGINEERING



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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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BEAUFORT COUNTY  
CITY OF BEAUFORT







ROBERT SMALLS PKWY (SC-170)  
DRAINAGE & EROSION CONTROL

SHEET D1 SCALE: 1" = 20'

**NOTES:**

- ALL WORK AND MATERIALS SHALL BE DONE IN ACCORDANCE WITH THE 2007 SOUTH CAROLINA DOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, SCDOT SUPPLEMENTAL SPECIFICATIONS – ROADWAY LIGHTING, NATIONAL ELECTRICAL CODE AND NATIONAL ELECTRIC SAFETY CODE.
- CONTACT TERRANCE HARRIS WITH DOMINION ENERGY FOR SERVICE POINT COORDINATION: TERRANCE.HARRIS@DOMINIONENERGY.COM: (843) 592-6728.
- CONTRACTOR SHALL BE AWARE OF OVERHEAD POWER LINES DURING CONSTRUCTION.
- CONDUIT ACCESSORIES SUCH AS EXPANSION JOINTS, ELBOWS, LB'S, FLEXIBLE CONDUIT, ETC SHALL BE INCLUDED IN THE PRICE BID FOR CONDUIT.
- LUMINAIRE MANUFACTURER SHALL PROVIDE A TEN YEAR WRITTEN WARRANTY FOR PARTS AND DEFECTIVE WORKMANSHIP ON LUMINAIRES.
- ALL PITS USED FOR INSTALLED PUSHED (JACKED) CASINGS UNDER EXISTING ROADWAYS SHALL HAVE A MINIMUM OF FIVE FEET BETWEEN EDGE OF SHOULDER. LOCATIONS AS SHOWN ARE APPROXIMATE AND MAY BE SHIFTED AS NECESSARY TO MEET CLEARANCE REQUIREMENTS. CONTRACTOR SHALL FOLLOW MUTCD, SCDOT STANDARD DRAWINGS, AND SCDOT REQUIREMENTS FOR ALL TRAFFIC CONTROL RELATED WORK.
- ALL ELECTRICAL CONNECTIONS SHALL BE MADE ABOVE GRADE INSIDE POLE BASES OR JUNCTION BOXES. NO UNDERGROUND SPlicing ALLOWED.
- CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO INSTALLATION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL PROVIDE THE SERVICE POLE UNLESS OTHERWISE NOTED. THE SERVICE RISER AND LATERAL, WEATHERHEAD, WATERPROOF ENCLOSURES, CIRCUIT BREAKERS, LIGHTNING ARRESTER, AND THE NECESSARY WIRING FOR CONNECTING TO THE POWER SOURCE, SHALL BE INCLUDED UNDER THE "ELECTRICAL SERVICE CONNECTIONS" PAY ITEM.

**LEGEND:**

-  PROPOSED DECORATIVE POLE, 14' POLE, 16' MOUNTING HEIGHT. WITH LED LUMINAIRE. LUMINAIRES SHALL BE (OR APPROVED EQUAL) – HOLOPHANE MDLE2 P40 40K AS 3 BK RBK CH FBK PR12 (7280 LUMENS, 77 W, 4000K) POLE SHALL BE (OR APPROVED EQUAL) – HOLOPHANE CHA14F4J16P07ABGBK CH16 BRKWAY KIT FGIUS BK
-  RELOCATED LIGHT POLE
-  EXIST LIGHT POLE TO REMAIN
-  EXIST LIGHT POLE TO BE RELOCATED
-  PROPOSED PULL BOX. SEE CONSTRUCTION DETAILS ON SHEET LL6.
-  DIRECTIONAL BORE, SIZE AND TYPE AS SHOWN.

**POLE DATA TABLE**

Pole	Sta. No.	Offset	Center / Base Line	Sheet No.	Fixture Mounting Height	No. of Lum's	Arm Length	Circuit	Installation Notes
P1	11+67.32	33.96' RT	ROBERT SMALLS PKWY	LL2	16'	1	N/A	EXISTING	
P2	12+92.33	33.98' RT	ROBERT SMALLS PKWY	LL2	16'	1	N/A	EXISTING	
P3	14+29.45	33.97' RT	ROBERT SMALLS PKWY	LL2	16'	1	N/A	EXISTING	
P4	15+13.21	34.32' RT	ROBERT SMALLS PKWY	LL2	EXISTING	1	N/A	EXISTING	RELOCATED LIGHT POLE

**CONDUIT AND CABLE SCHEDULE**

- Ⓐ 2" SCH 80 PVC CONDUIT WITH 2 #8 AND 1 #8 GND, INSTALLED IN TRENCH.
- Ⓑ 2" SCH 80 PVC CONDUIT WITH 2 #8 AND 1 #8 GND, PULLED IN 4" CASING (STEEL OR HDPE), DIRECTIONALLY BORED.

ELECTRICAL ITEMS			
6651091	SINGLE DECORATIVE LIGHT POLE	3	EA
6888110	INSTALL STREET LIGHT LUMINAIRE	4	EA
675027Y	4.0" SCHED80 PVC COND-DIR.BORED	120	LF
6760020	2.0" SCHEDULE 80 PVC CONDUIT	540	LF
6770319	#8Cu, 1,600V, RHH, RHW, USE	1690	LF
6800530	17X30X28D. ELEC. UNGRD. ENCLOS/HD	2	EA



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REV. NO.	BY	DATE	DESCRIPTION OF REVISION
DESIGNED BY:	_____	DATE _____	
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BEAUFORT COUNTY CITY OF BEAUFORT	
ROBERT SMALLS PKWY (SC-170) LIGHTING PLAN SHEET	
SHEET LL1	NO SCALE

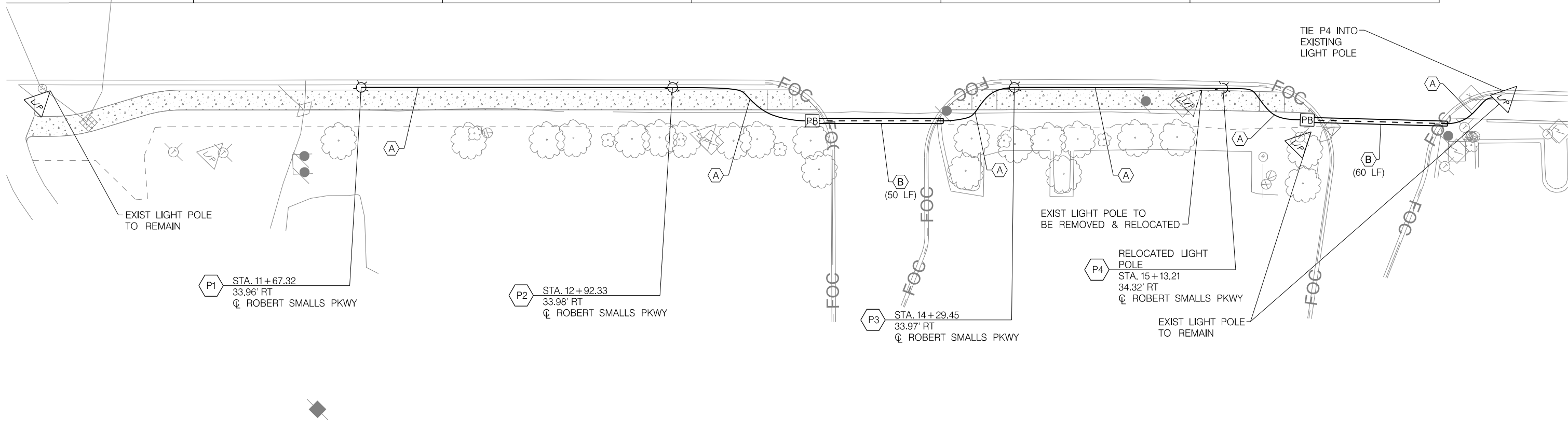


STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			SC-170	LL2

15

POT = 16+00.00

N 45° 23' 57" E



**JE INFRASTRUCTURE**  
CONSULTING & ENGINEERING

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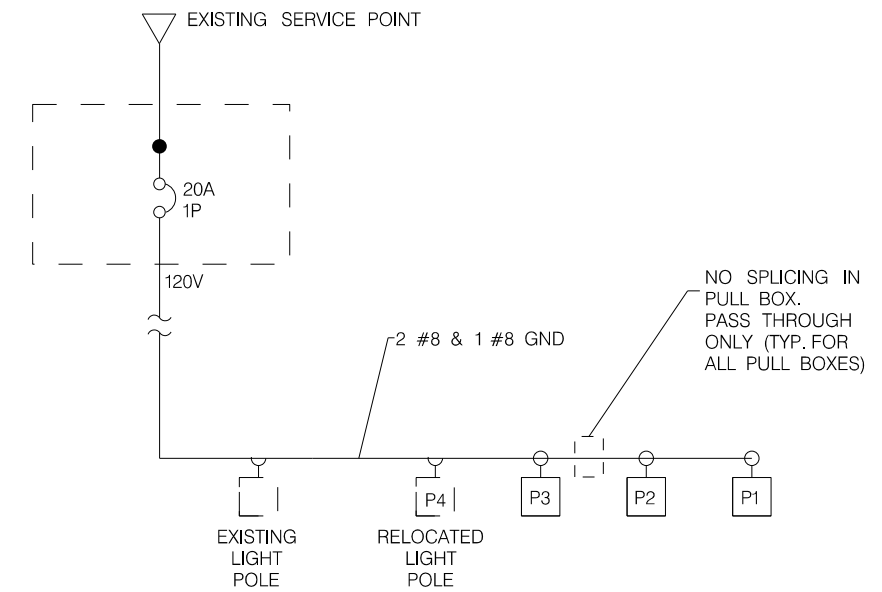
BEAUFORT COUNTY  
CITY OF BEAUFORT

ROBERT SMALLS PKWY (SC-170)  
LIGHTING PLAN SHEET

SHEET LL2      SCALE: 1" = 20'

NOTES

1. CONTRACTOR SHALL UTILIZE EXISTING CIRCUIT BREAKER TO POWER RELOCATED AND NEW FIXTURES.
2. CONTRACTOR TO VERIFY AND NOTE ON DRAWINGS ALL CIRCUIT INFORMATION PRIOR TO BEGINNING WORK. THIS INCLUDES BUT NOT LIMITED TO, PANEL NAME, CIRCUIT NUMBER, CABLE SIZE AND NUMBER OF POLES.



SYSTEM SINGLE LINE DIAGRAM



Wi-Skies, LLC

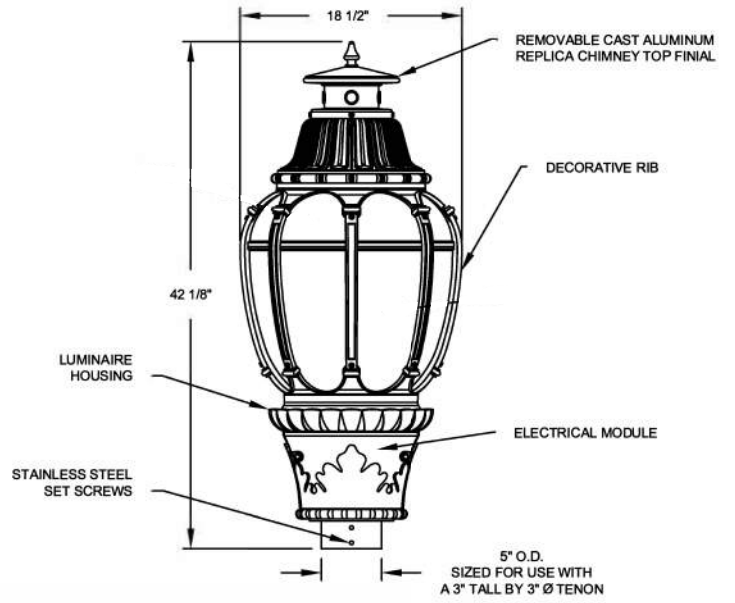
**JE INFRASTRUCTURE**  
CONSULTING & ENGINEERING

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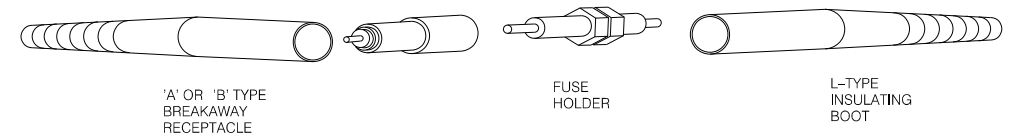
BEAUFORT COUNTY  
CITY OF BEAUFORT

ROBERT SMALLS PKWY (SC-170)  
LIGHTING PLAN SHEET  
SERVICE POINT DETAILS

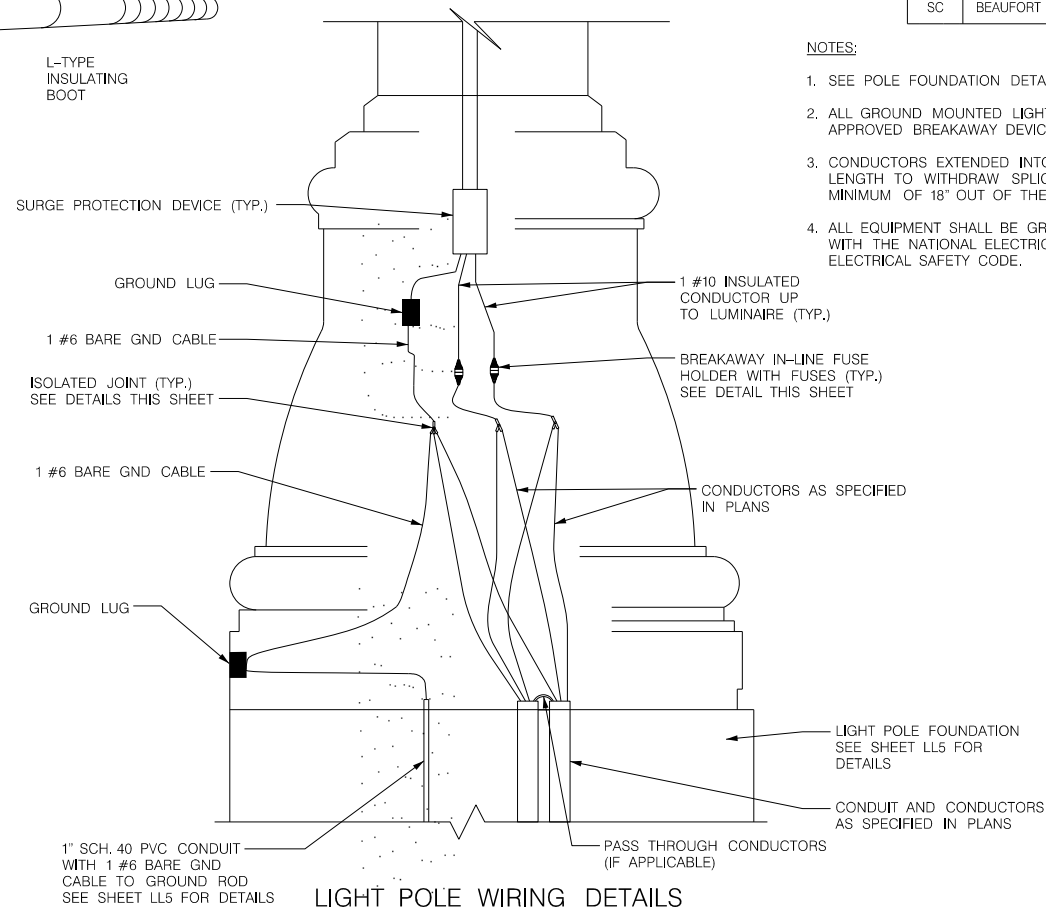
STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			SC-170	LL4



LUMINAIRE DETAIL

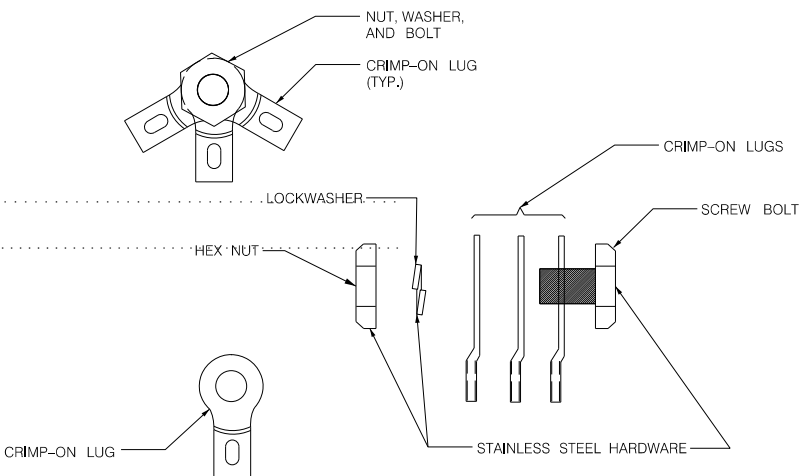


IN-LINE FUSE HOLDER WITH BREAKAWAY FEATURE DETAIL

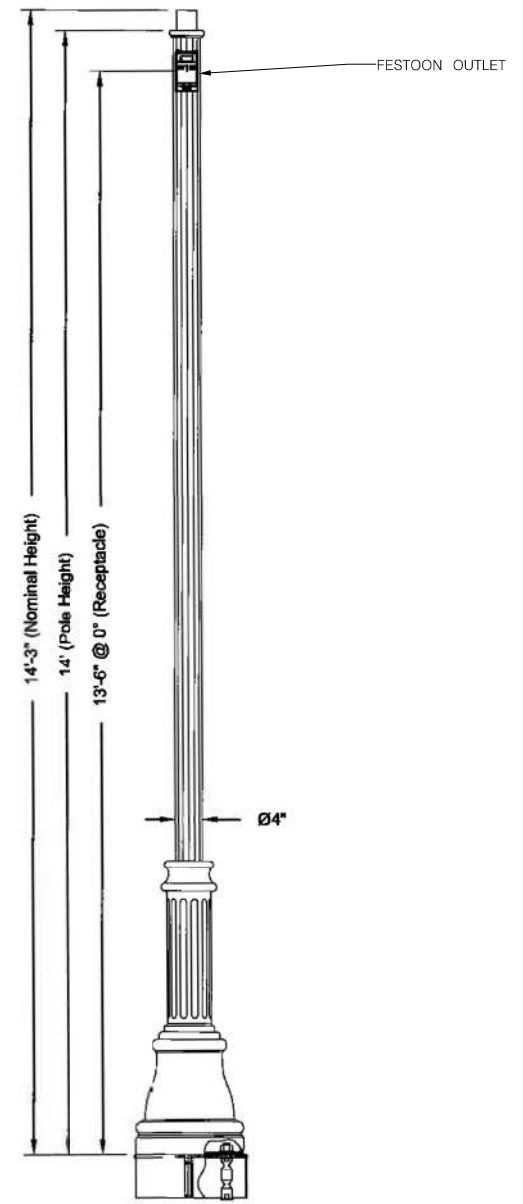


LIGHT POLE WIRING DETAILS

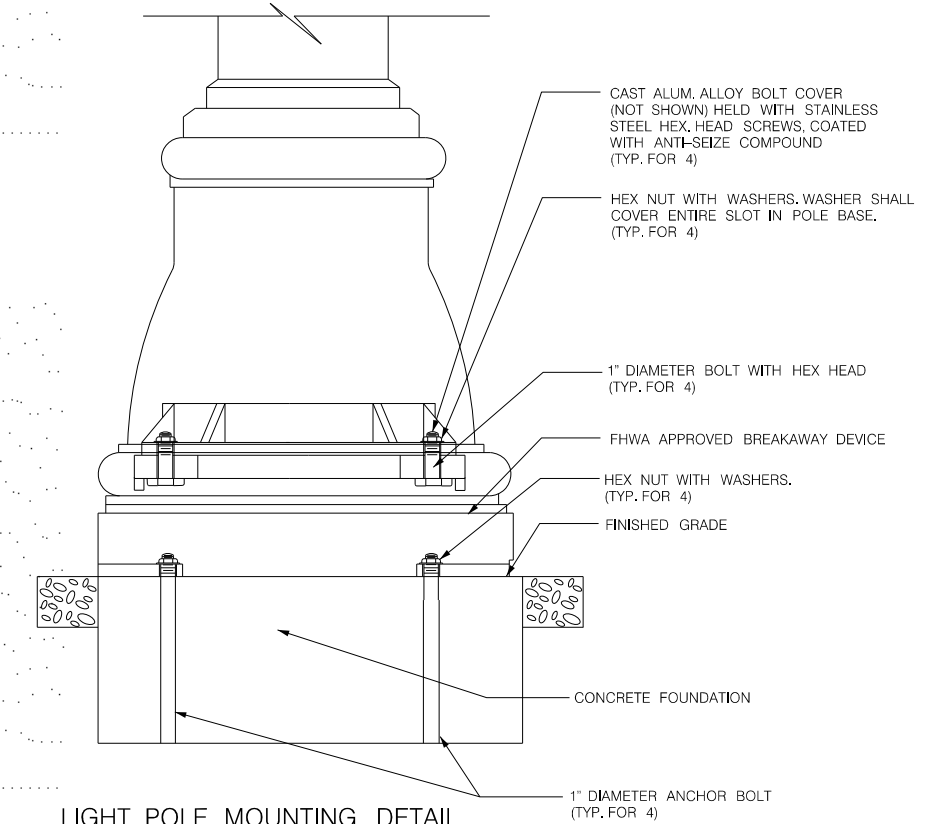
- NOTES:
- SEE POLE FOUNDATION DETAILS ON SHEET LL5.
  - ALL GROUND MOUNTED LIGHT POLES ARE TO BE MOUNTED ON FHWA APPROVED BREAKAWAY DEVICE.
  - CONDUCTORS EXTENDED INTO POLE BASE SHALL BE OF SUFFICIENT LENGTH TO WITHDRAW SPLICES AND/OR ISOLATED JOINTS A MINIMUM OF 18\"/>



ISOLATED JOINT DETAIL



POLE DETAIL



LIGHT POLE MOUNTING DETAIL



**JE INFRASTRUCTURE**  
CONSULTING & ENGINEERING

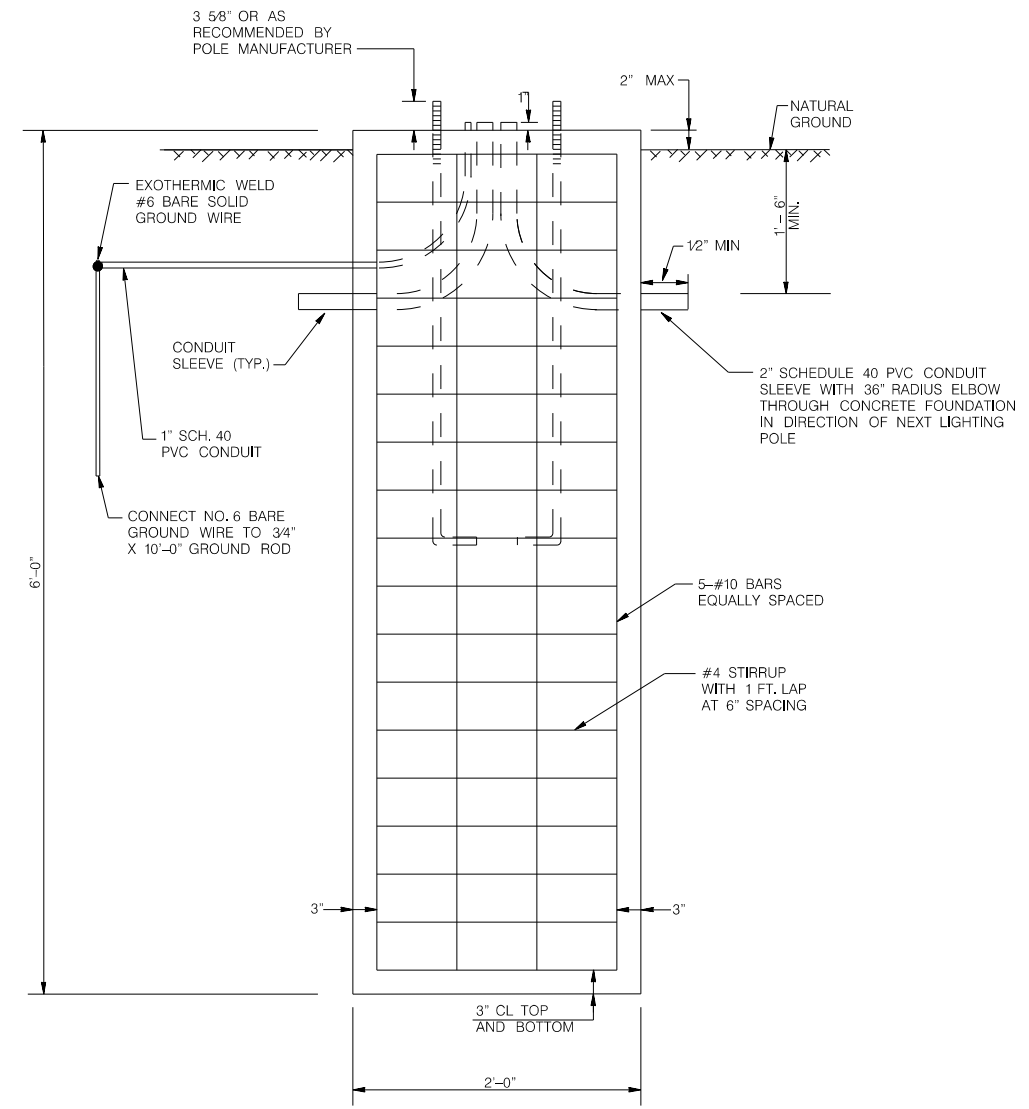
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BEAUFORT COUNTY  
CITY OF BEAUFORT

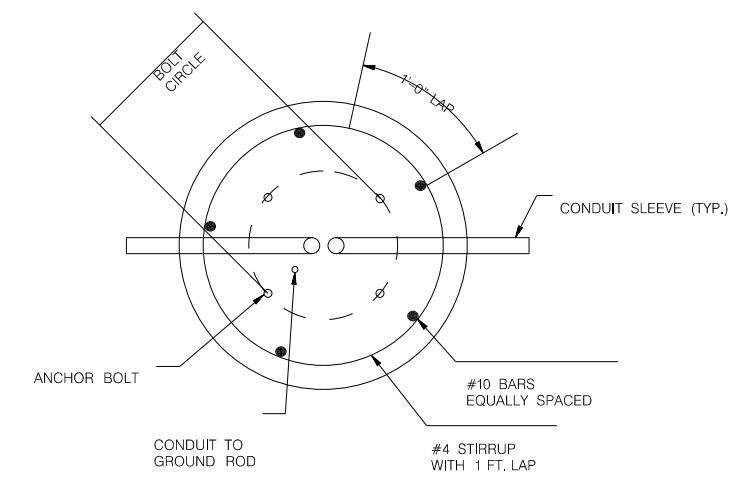
ROBERT SMALLS PKWY (SC-170)  
LIGHTING PLAN SHEET  
LIGHTING POLE DETAILS

SHEET LL4 NO SCALE

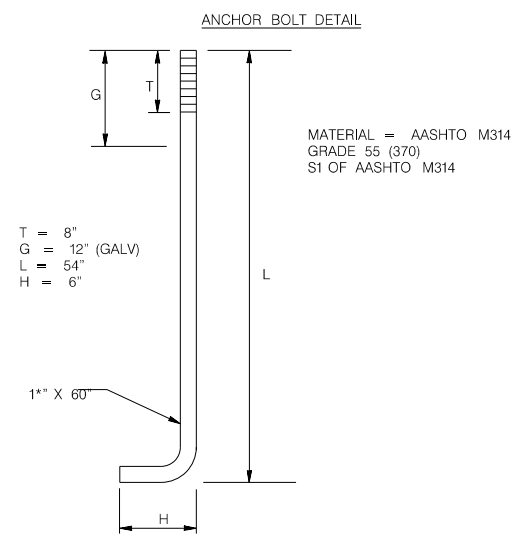
STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			SC-170	LL5



ELEVATION



PLAN



NOTE:  
EACH 2' X 6' FOUNDATION REQUIRES:  
0.70 CU. YDS. CLASS A CONCRETE AND  
114 LBS OF BAR REINFORCING STEEL.  
THESE ARE CONSIDERED INCIDENTAL TO  
COST OF FOUNDATION.



**JE INFRASTRUCTURE**  
CONSULTING & ENGINEERING

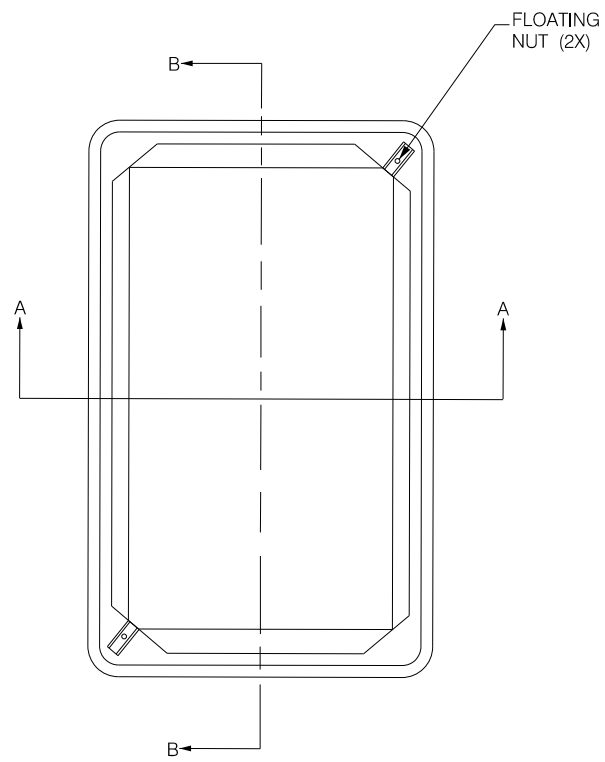
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BEAUFORT COUNTY  
CITY OF BEAUFORT

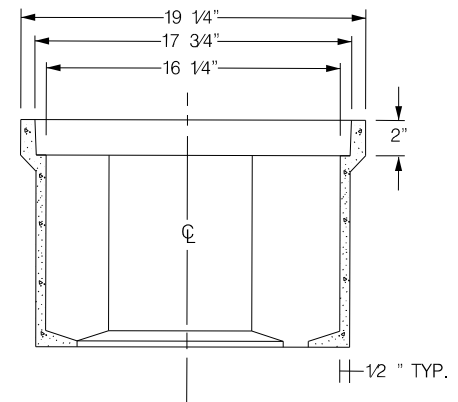
ROBERT SMALLS PKWY (SC-170)  
LIGHTING PLAN SHEET  
POLE FOUNDATION DETAILS

SHEET LL5 NO SCALE

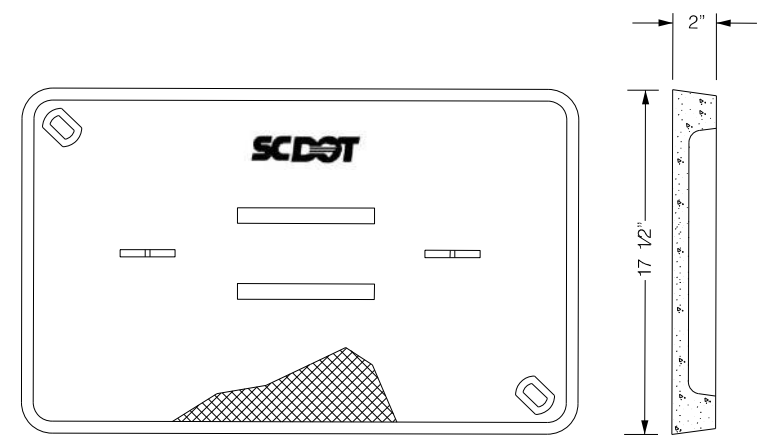
STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			SC-170	LL6



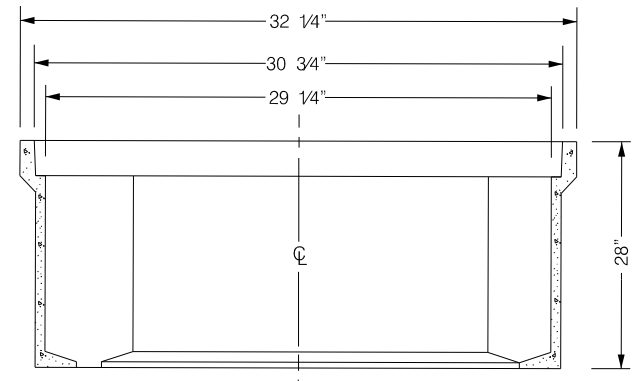
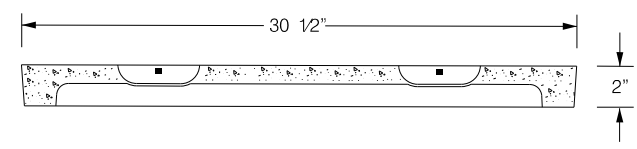
PLAN VIEW



SECTION A-A



POLYMER CONCRETE COVER



SECTION B-B

NOTES:

- 1) POLYMER BOX TOP AND FRAME MAY HAVE A DIFFERENT CROSS SECTION THAN WHAT IS SHOWN.
- 2) THERE SHALL BE NO CABLE SPLICING WITHIN PULL BOX. PULL BOX SHALL BE USED ONLY AS A CABLE PASS THROUGH.
- 3) ALL PULL BOXES SHALL HAVE SCDOT ELECTRIC LOGO CAST ON THE LID.




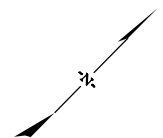
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BEAUFORT COUNTY CITY OF BEAUFORT	
ROBERT SMALLS PKWY (SC-170) LIGHTING PLAN SHEET JUNCTION BOX/PULL BOX DETAILS	
SHEET LL6	NO SCALE

STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			SC-170	LA1

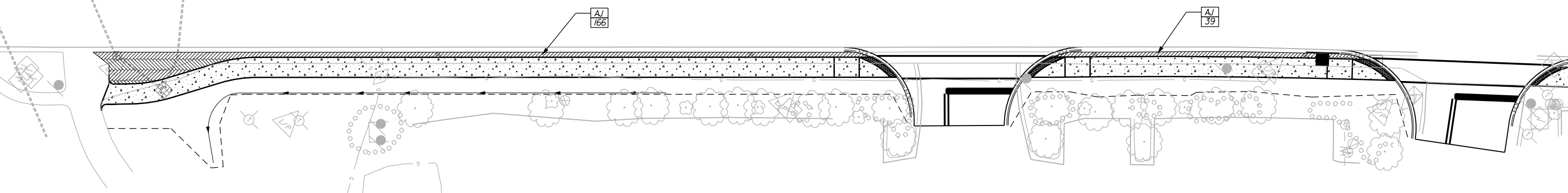
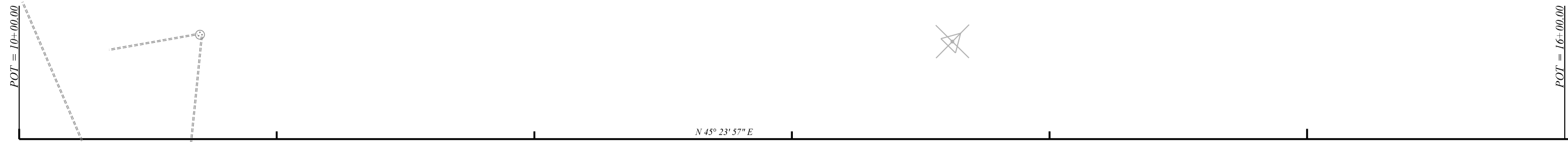
PLANT LIST - THIS SHEET

KEY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	BALL/CONT.	QUANTITY EACH
AJ		TRACHELOSPERMUM ASIATICUM	ASIATIC JASMINE		CONT. 8" X 12"	205

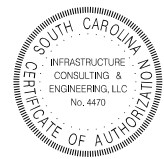


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**JE INFRASTRUCTURE**  
CONSULTING & ENGINEERING



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BEAUFORT COUNTY  
CITY OF BEAUFORT

ROBERT SMALLS PKWY (SC-170)  
LANDSCAPE PLAN SHEET

SHEET LA1 SCALE: 1" = 20'

80

70

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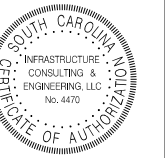
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STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			SC-170	X1



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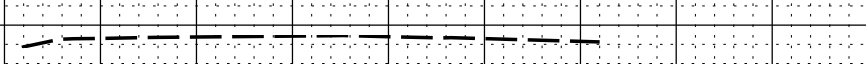
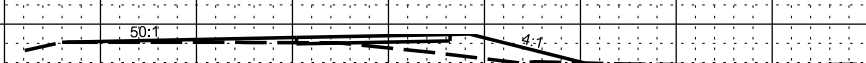
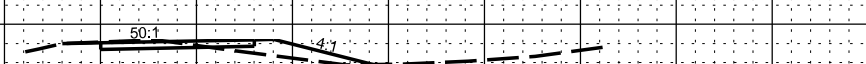
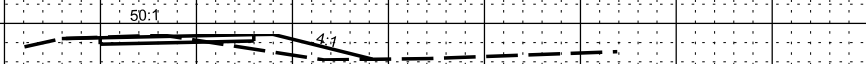
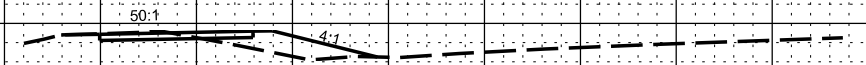
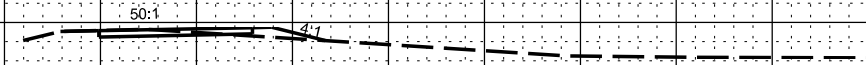
12+00.00

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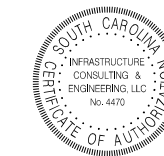
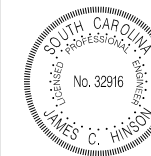
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STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.
SC	BEAUFORT			SC-170	X2



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14 + 00.00

13 + 50.00

13 + 00.00

