



January 11, 2024

South Carolina Office of Resilience
632 Rosewood Dr
Columbia, SC 29201

Attn: Pam Kendrick
Pam.Kindrick@scor.sc.gov

Re: Proposal for SWPPP Inspections
Mingo Pond Drainage Outfall
Pawleys Island, South Carolina 29585
Terracon Proposal Number: PER231031

Dear Ms. Kendrick:

Terracon Consultants, Inc. (Terracon) appreciates the opportunity to submit this proposal for the construction materials testing and special inspection services during the construction phase of the above referenced project.

1.0 PROJECT INFORMATION

Our Scope of Services is based on our understanding of the project as described by information provided by Pam Kindrick with South Carolina Office of Resilience.

Item	Description
Information Provided	Project Manual Dated 1/31/2023 Civil Bid Plans Dated 2/6/2023
Location	Intersection of US-17 (Ocean Highway) and McKissick Drive, Pawleys Island, SC
Description	The project consists of approximately 151 LF of twin 30" reinforced concrete pipes jack and bored under US Hwy 17, approximately 483 LF of 48" reinforced concrete pipe running from Mingo pond and parallel with US Hwy 17 South with associated catch basins and junction boxes, a new outfall headwall, a new outlet structure in Mingo Pond, and a section of 8' wide bike path to be removed and replaced. There will also be approximately 700 SF of asphalt replaced along US Hwy 17.



2.0 SCOPE OF SERVICES

Material Testing and Special Inspection Services

The requested inspection and testing services requested for this project will be conducted by Terracon in accordance with the recommendations and requirements offered by the project contract documents, the SCDT Specifications, and the applicable ASTM testing and material standards, as well as other applicable referenced standards.

We understand our scope of services for this project will include observations and/or testing of the following areas of construction:

- SWPPP / NPDES Inspections

2.1 SWPPP / NPDES Inspections

- Terracon will conduct weekly Certified Erosion Prevention and Sediment Control Inspections (CEPSCI) to assure that the Storm Water Pollution Prevention Plan (SWPPP) is being followed and that Best Management Practices are in place, as part of the National Pollutant Discharge Elimination System (NPDES) requirements. These inspections would be conducted by a Certified Erosion Prevention and Sediment Control Inspector. Storm water inspection reports would be generated during each inspection as required by the Construction General Permit (CGP). During the inspection, the inspector will identify any deficiencies noted and recommend appropriate actions to address each deficiency.

3.0 TERMS

3.1 Compensation

Based on our review of the project drawings and the specifications, Terracon has estimated the following budgets to provide material testing, special inspection, and engineering services as detailed in this proposal. A detailed budget estimate for Terracon's services for this project is attached. Based upon our experience with other similar local projects, we estimate the following cost for our services.

Item	Budget Estimate
SWPPP / NPDES Inspections *Based Upon a 3Months Construction Schedule*	\$2,884.00

3.2 Assumptions

For billing purposes, Terracon assumes that:

- Your designated scheduling representative will make good effort to provide clear notification to Terracon at least 24 hours prior to the desired on-site arrival time of our technicians to perform the requested inspection / testing services (this is so we may schedule qualified personnel trained in the appropriate discipline), and
- The material(s) requested to be inspected and or tested are ready to be inspected upon our technician's arrival to the site. Additional re-inspection charges may be incurred if the materials requested to be inspected and or tested are not ready upon our technician's arrival to the site.

Please note that we will only be on-site as you or your representative schedule our services, and as our cost for services are most dependent on the contractor's schedule, our costs may vary accordingly.

All additional services outside of the scope listed in Section 2.0 and detailed in the attached budget estimate of this proposal will be billed according to the respective unit rates established in the cost estimate.

If you believe we need to increase or decrease our scope of services / trip frequency, please notify us so we can make the appropriate changes. Our fees include all anticipated charges for mileage, travel, equipment, personnel, etc. for the anticipated scope of services. Terracon will provide you with monthly invoices for approval of payment.

3.3 Exclusions

Unless arrangements are made to perform the work in a different manner, the responsibility of our field personnel will consist of making observations, performing tests, and then reporting their findings to an authorized person such as the site superintendent for appropriate action. If substandard work is being performed or if materials of inferior quality are being used, it will be the responsibility of your authorized person to have these conditions corrected. Should it be possible to correct such conditions amicably on the basis of oral recommendations by our technician, it can be done in this manner. However, if it becomes necessary to reject material or to discontinue the work, we expect that someone other than our personnel make such decisions.

Client shall secure all necessary site related approvals, permits, licenses, and consents necessary to commence and complete the Services and will execute any necessary site access agreement. Consultant will be responsible for supervision and site safety measures for its own employees but shall not be responsible for the supervision or health and safety precautions for any third parties, including Client's contractors, subcontractors, or other parties present at the site. In addition, Consultant retains the right to stop work without penalty at any time Consultant believes it is in the best interests of Consultant's employees or subcontractors to do so in order


to reduce the risk of exposure to the coronavirus. Client agrees it will respond quickly to all requests for information made by Consultant related to Consultant's pre-task planning and risk assessment processes. Client acknowledges its responsibility for notifying Consultant of any circumstances that present a risk of exposure to the coronavirus or individuals who have tested positive for COVID-19 or are self-quarantining due to exhibiting symptoms associated with the coronavirus.

3.4 Authorization


Please indicate your acceptance of this proposal by signing and returning the attached Terracon Master Service Agreement both electronically and by mail. Upon receipt of the executed Master Service Agreement, Terracon will proceed with our professional services for this project as detailed in this proposal.

We appreciate the opportunity to provide this proposal and look forward to working with you on this project

Sincerely,
Terracon Consultants, Inc.



Nathaniel Tracy
Office Manager



Chris Wollard
Project Manager

Attachments: Budget Estimate for Material Testing and Special Inspection Services



EXHIBIT C - FEE ESTIMATE
Materials Testing and Special Inspection Services
 Mingo Pond Drainage Outfall ■ Litchfield Beach, SC
 Terracon Proposal No. PER231031

SERVICES	UNIT RATES		QTY	TOTAL
2.1 SWPPP / NPDES Inspections				
Field Observations and Inspections	\$200.00 per visit	14 visits	14	\$2,800.00
Administrative Fee	3% of invoiced amount			\$84.00
TOTAL ESTIMATED BUDGET:				\$2,884.00

Note: This worksheet is a cost estimate based upon the above-listed hours, trips, and quantities and is not a guaranteed maximum price. Cost estimates for above mentioned testing were based on project documents, no work schedule was provided.

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INSPECTION/MATERIAL TESTING ORDER AMENDMENT WORKSHEET

AGENCY:	South Carolina Office of Resilience	
PROJECT NAME:	Georgetown County Mingo Pond Drainage Improvements	
PROJECT NUMBER:	D30-N019-MJ / IP20-2200-01	
INSPECTION FIRM:	Terracon Consultants	
PROJECT MANAGER FOR INSPECTION FIRM:		
	Nathan Tracy	
ICC CHAPTER 1 INSPECTORS		
	NAME	CREDENTIALS (Insert or Attach)
Building		
Electrical		
Mechanical		
Plumbing		
Fire Protection Systems		
ICC CHAPTER 17 INSPECTORS		
	NAME	CREDENTIALS (Insert or Attach)
Prestressed Concrete		
Reinforced Concrete		
Structural Masonry		
Spray-applied Fireproofing		
Structural Steel & Bolting		
Structural Steel Welding		
Soils		
Smoke Control		
Cold Formed Steel Framing		
Wood Construction		
Architectural Components		
Fire Protection Systems		
Mechanical & Electrical Components		
FIELD TESTING TECHNICIANS		
	NAME	CREDENTIALS (Insert or Attach)
Soil		
Masonry Grout		
Concrete		
Footings		
Pile		
Deep Foundations		

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INSPECTION/MATERIAL TESTING ORDER AMENDMENT WORKSHEET

IBC CHAPTER 1	INSPECTION TYPE	NO. OF INSPECTIONS	HOURS	HOURLY RATE	TOTAL
110.2	Site				\$ -
110.3.1	Footing and Foundation				\$ -
110.3.2	Concrete Slab and Under-Floor				\$ -
110.3.3	Lowest Floor Elevation				\$ -
110.3.4	Frame				\$ -
110.3.5	Lath and Gypsum Board				\$ -
110.3.6	Exposed Balcony & Walking Surface Waterproofing				\$ -
110.3.7	Fire- and Smoke-Resistant Penetrations				\$ -
110.3.8	Energy Efficiency				\$ -
110.3.9	Other (<i>specify</i>)				\$ -
	Other (<i>specify</i>)				\$ -
	Other (<i>specify</i>)				\$ -
	Plan Review & Major Task Pre-Planning Mtgs.				\$ -
SECTION TOTAL					\$ -
NEC CHAPTER 1	INSPECTION TYPE	NO. OF INSPECTIONS	HOURS	HOURLY RATE	TOTAL
107.2(1)	Underground				\$ -
107.2(2)	Rough-In				\$ -
107.2(3)	Final				\$ -
107.2.1	Other (<i>specify</i>)				\$ -
	Other (<i>specify</i>)				\$ -
	Other (<i>specify</i>)				\$ -
	Plan Review & Major Task Pre-Planning Mtgs.				\$ -
SECTION TOTAL					\$ -
IFGC CHAPTER 1	INSPECTION TYPE	NO. OF INSPECTIONS	HOURS	HOURLY RATE	TOTAL
107.2(1)	Underground				\$ -
107.2(2)	Rough-In				\$ -
107.2(3)	Final				\$ -
107.2.1	Other (<i>specify</i>)				\$ -
	Other (<i>specify</i>)				\$ -
	Other (<i>specify</i>)				\$ -
	Plan Review & Major Task Pre-Planning Mtgs.				\$ -
SECTION TOTAL					\$ -

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INSPECTION/MATERIAL TESTING ORDER AMENDMENT WORKSHEET

IMC CHAPTER 1	INSPECTION TYPE	NO. OF INSPECTIONS	HOURS	HOURLY RATE	TOTAL
107.2(1)	Underground				\$ -
107.2(2)	Rough-In				\$ -
107.2(3)	Final				\$ -
107.3	Observation of Tests				\$ -
107.2.1	Other (<i>specify</i>)				\$ -
	Other (<i>specify</i>)				\$ -
	Other (<i>specify</i>)				\$ -
	Plan Review & Major Task Pre-Planning Mtgs.				\$ -
SECTION TOTAL					\$ -
IPC CHAPTER 1	INSPECTION TYPE	NO. OF INSPECTIONS	HOURS	HOURLY RATE	TOTAL
107.2(1)	Underground				\$ -
107.2(2)	Rough-In				\$ -
107.2(3)	Final				\$ -
107.3	Observation of Tests				\$ -
107.4	Testing of plumbing work & systems				\$ -
107.2.1	Other (<i>specify</i>)				\$ -
	Other (<i>specify</i>)				\$ -
	Other (<i>specify</i>)				\$ -
	Plan Review & Major Task Pre-Planning Mtgs.				\$ -
SECTION TOTAL					\$ -
IFC CHAPTER 9	INSPECTION/TESTING TYPE	NO. OF INSPECTIONS	HOURS	HOURLY RATE	TOTAL
901.5	Fire Detection & alarm systems				\$ -
901.5	Gas Detection systems				\$ -
901.5	Fire-extinguishing Systems				\$ -
901.5	Fire Hydrant Systems				\$ -
901.5	Fire Standpipe Systems				\$ -
901.5	Other (<i>specify</i>)				\$ -
	Other (<i>specify</i>)				\$ -
	Plan Review & Major Task Pre-Planning Mtgs.				\$ -
SECTION TOTAL					\$ -

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INSPECTION/MATERIAL TESTING ORDER AMENDMENT WORKSHEET

IBC CHAPTER 17	INSPECTION TYPE	NO. OF INSPECTIONS	HOURS	HOURLY RATE	TOTAL
1704.2.5	Fabricators				\$ -
1705.2	Steel Construction				\$ -
1705.3	Concrete Construction				\$ -
1705.4	Masonry Construction				\$ -
1705.5	Wood Construction				\$ -
1705.6	Soils				\$ -
1705.7	Driven Deep Foundations				\$ -
1705.8	Cast-in-place Deep Foundations				\$ -
1705.9	Helical Pile Foundations				\$ -
1705.11	Wind Resistance				\$ -
1705.12 & 13	Seismic Resistance				\$ -
1705.14	Spray Fire-resistant Materials				\$ -
1705.15	Mastic & Intumescent fire-resistant coatings				\$ -
1705.16	Exterior Insulation and Finish Systems (EIFS)				\$ -
1705.17	Fire-resistant penetrations and joints				\$ -
1705.18	Special Inspection for Smoke Control				\$ -
Other	<i>Specify</i>				\$ -
Other	<i>Specify</i>				\$ -
	Plan Review & Major Task Pre-Planning Mtgs.				\$ -
SECTION TOTAL					\$ -

MISC.	INSPECTION TYPE	NO. OF INSPECTIONS	HOURS	HOURLY RATE	TOTAL
CWA § 402	NPDES Erosion Control	14	4	\$ 50	\$ 2,800
Other	<i>Specify</i>				
Other	<i>Specify</i>				
	Plan Review & Major Task Pre-Planning Mtgs.				
SECTION TOTAL					\$ 2,800

TESTING TECHINCIAN FIELD TESTS	NUMBER OF TESTS	HOURS /TESTS	TECH. HOURLY RATE	TOTAL
Soil				
Masonry Grout				
Concrete				
Footings				
Pile				
Other (<i>specify</i>)				
Other (<i>specify</i>)				
Plan Review & Major Task Pre-Planning Mtgs.				
SECTION TOTAL				\$ -

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INSPECTION/MATERIAL TESTING ORDER AMENDMENT WORKSHEET

INSPECTION AND TESTING EQUIPMENT	UNIT OF MEASURE	NO. OF UNITS	COST /UNIT	TOTAL
Concrete Coring Equipment	Days			
PDA Pile Test Equipment	Days			
Bolt Torque Wrench	Hours			
Ultrasonic Testing Equipment	Hours			
Nuclear Density Test Equipment (Soil)	Days			
Other (<i>specify</i>)				
Other (<i>specify</i>)				
Other (<i>specify</i>)				
SECTION TOTAL				\$ -

LAB TESTS	NO. OF TESTS	PRICE / TEST	TOTAL
Standard Proctor - ASTM D698			\$ -
Modified Proctor - ASTM D1557			\$ -
Stone-Aggregate Density - ASTM D698/1557			\$ -
California Bearing Ratio - ASTM D1883			\$ -
Soil Moisture Content - ASTM D2216			\$ -
Atterberg Limits - ASTM D4318			\$ -
Wash 200 Fines - ASTM D1140/C117			\$ -
Grain Sieve Analysis w/o hydro. - ASTM C136			\$ -
Grain Sieve Analysis w/hydro. - ASTM D422			\$ -
Soil Specific Gravity - ASTM D854/D550			\$ -
Concrete Beam Strength - ASTM C78			\$ -
Concrete Cores Strength - ASTM C42			\$ -
Concrete Cylinders, Cure & Test - ASTM C31/39			\$ -
Grout Prism Strength - ASTM C 1019			\$ -
Mortar Cub Strength - ASTM C 109			\$ -
CMU Compressive Strength - ASTM C140			\$ -
Masonry Compressive Strength - ASTM C1314			\$ -
Masonry Testing - ASTM C67/78			\$ -
Other (<i>specify</i>)			\$ -
Other (<i>specify</i>)			\$ -
SECTION TOTAL			\$ -


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INSPECTION/MATERIAL TESTING ORDER AMENDMENT WORKSHEET

PROJECT SUPPORT				
SUPPORT TYPE	TASKS	HOURS	HOURLY RATE	TOTAL
Project Manager	Plan Review			\$ -
	Pre-Con. Meeting			\$ -
	Milestone Meetings			\$ -
	Inspector Management			\$ -
Clerical	Reports			\$ -
	General	2	\$ 42	\$ 84
SECTION TOTAL				\$ 84
TOTAL OF ALL SECTIONS		\$ 2,884		
REIMBURSABLES		TOTAL UNITS	UNIT RATE	TOTAL
Trip Charge / Mileage (circle one)				\$ -
Lodging Fees				\$ -
Per Diem Fees				\$ -
Other (specify)				\$ -
Other (specify)				\$ -
SECTION TOTAL				\$ -
GRAND TOTAL (Section Totals + Reimbursables)		\$ -		

The Forgoing is Based on the Following Assumptions & Attachments

NOTE: Required tests and frequency shall be determined by the Design Professional.

APPROVAL	
Agency Representative: <u></u>	Date: <u>1/17/2024</u>
Inspection Agency: <u> Terracon Consultants</u>	Date: <u>1/11/2023</u>

SE-960

AMENDMENT NO.: 1

INSPECTION / MATERIAL TESTING ORDER AMENDMENT

AGENCY: South Carolina Office of Resilience

PROJECT NAME: Georgetown County Mingo Pond Drainage Improvements

PROJECT NUMBER: D30-N019-MJ / IP20-2200-01

MASTER AGREEMENT CONTRACT NUMBER: _____

AGENCY INSPECTION ORDER NUMBER: _____

INSPECTION FIRM: Terracon Consultants

ADDRESS: 1246 Howard Ave, Myrtle Beach, SC 29577

SERVICES & FEE INFORMATION

Inspection Firm's additional services and associated fees are set forth in the attached SE-960A, Inspection / Material Testing Order Amendment Worksheet, dated 1/11/2024, and the attachments to the Worksheet, all of which are incorporated herein by reference.

FEE INFORMATION

1. INSPECTION / TESTING FEE:	Contract Fee Prior to This Amendment	\$14,250.00	
	Change in Fee Per This Amendment	\$2,884.00	
	Total Revised Inspection/Testing Fee:		\$ 17,134.00
2. REIMBURSABLE EXPENSES:	Contract Amount Prior to This Amendment	\$1,563.00	
	Change in Amount Per This Amendment		
	Total Revised Reimbursable Expenses:		\$ 1,563.00
3. REVISED CONTRACT TOTAL			\$ 18,697.00

ADJUSTED SCHEDULE

START DATE: Fall 2023

ORIGINAL COMPLETION DATE: Spring 2024

ADJUSTED COMPLETION DATE: Spring 2024

The Agency and Inspection Firm hereby agree to amend the SE-955, Inspection / Material Testing Order dated the 19 day of September, 2023, as set forth herein. This Inspection / Material Testing Order and the attached SE-960A shall be assigned to the Master Agreement for Inspection / Material Testing Services identified above.

AGENCY:

INSPECTION FIRM:

BY: *Eric G. Fosmire*
(Signature of Representative)

BY: _____
(Signature of Representative)

PRINT NAME: Eric G. Fosmire

PRINT NAME: Nathaniel Tracy

PRINT TITLE: Chief of Staff & General Counsel

PRINT TITLE: Office Manager

DATE: 17 January 2024

DATE: ~~1/11/2023~~

INSPECTION ORDER CONSISTS OF:

1. SE-955, Inspection / Material Testing Order
2. This Amendment, SE-960
3. SE-960A, Inspection / Material Testing Order Amendment Negotiation Worksheet
4. SE-962, Statement of Special Inspections Responsibilities (for Chapter 17 inspections only).

