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**STORMWATER DRAINAGE IMPROVEMENTS PROJECT  
FOR FRANCIS MARION UNIVERSITY (H18-N079-MJ) (EDA#04-01-07484.01)**

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**To:** All Prospective Bidders

**Subject:** Addendum #1

**Date:** November 4, 2022

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This addendum modifies the Contract Documents only in the manner and to the extent stated herein and on any accompanying drawings. This addendum will become part of the Contract Documents. Except as specified or otherwise indicated by this addendum, all work shall be in accordance with the basic requirements of the Contract Documents.

**Bidder shall acknowledge receipt of the Addendum in the space provided on the bid form. Failure to do so may constitute informality in the bid.**

**a. Changes to prior Addenda**

1. None with this addendum.

**b. Changes to Bidding Requirements**

1. Form SE-310, Pre-Bid Place - The Pre-Bid Conference will be held in Room 213A in the Lee Nursing Building (not the Honors Learning Center) on Francis Marion University's campus.

**c. Changes to the Specifications**

1. None with this addendum.

**d. Changes to the Drawings**

1. Sheet C5.03 – Revised Detail 1, note 2 to clarify that the entire parking lot resurfacing will not be part of this project. Note 3 was added to clarify that the contractor will need to replace striping in the parking lot which was removed during demo.

**e. Clarifications to Written Questions**

1. None with this addendum.

END OF ADDENDUM 1

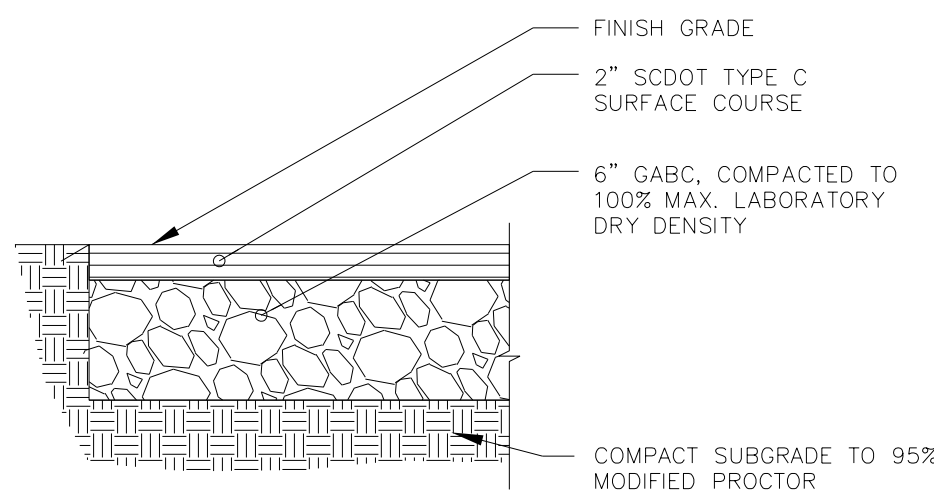
**DETENTION POND OPERATIONS + MAINTENANCE**

**I. OPERATION & MAINTENANCE**

- 1.) THE OUTLET STRUCTURE AND ITS ORIFICES WILL BE INSPECTED QUARTERLY AND AFTER MAJOR STORM EVENTS BY THE OWNER TO ENSURE THAT THEY ARE NOT CLOGGED OR BLOCKED. IN THE EVENT THAT AN ORIFICE IS CLOGGED OR BLOCKED IMMEDIATE ACTION WILL BE TAKEN TO RESTORE THE OUTLET STRUCTURE TO ITS DESIGNED SPECIFICATIONS. IN THE EVENT THAT THE OUTLET STRUCTURE IS DAMAGED THE OWNER WILL CONTACT THE TOWNSHIP ENGINEER FOR THE BEST PROCEDURE TO REMEDY THE SITUATION.
- 2.) THE POND BERMS WILL BE INSPECTED QUARTERLY AND AFTER MAJOR STORM EVENTS BY THE OWNER TO ENSURE THAT THE INSIDE AND OUTSIDE SLOPES AS WELL AS THE TOP OF BERM REMAIN STABILIZED. IF EROSION IS TAKING PLACE IMMEDIATE ACTION WILL BE TAKEN TO BRING THE BERM BACK TO DESIGNED CONDITIONS AND TO THEN STABILIZE THE BANK. A SLOPE LINER MAY BE REQUIRED IF EROSION PERSISTS. IF AN ANIMAL BURROW OR HOLE OF ANY KIND IS FOUND IN THE BERM THE HOLE SHOULD BE FILLED WITH MATERIAL SIMILAR TO THE POND BERM AND THEN IMMEDIATELY STABILIZED.
  - a) THE ENTIRE POND WILL BE INSPECTED ANNUALLY BY A QUALIFIED INDIVIDUAL. THIS INSPECTION WILL AT MINIMUM INCLUDE THAT WHICH IS INCLUDED IN 1) AND 2) ABOVE.
  - b) CATCH BASINS AND INLETS (UP GRADIENT OF POND) SHALL BE INSPECTED AND CLEANED AT LEAST TWO TIMES PER YEAR AND AFTER RUNOFF EVENTS.
  - c) THE VEGETATION ALONG THE SURFACE OF THE POND SHALL BE MAINTAINED IN GOOD CONDITION, AND ANY BARE SPOTS RE-VEGETATED AS SOON AS POSSIBLE.
  - d) VEHICLES SHOULD NOT BE PARKED OR DRIVEN ON ANY POND, AND CARE SHOULD BE TAKEN TO AVOID EXCESSIVE COMPACTION BY MOWERS.
  - e) INSPECT THE POND AFTER RUNOFF EVENTS AND MAKE SURE THAT RUNOFF DRAINS DOWN WITHIN 72 HOURS.
  - f) INSPECT FOR ACCUMULATION OF SEDIMENT, DAMAGE TO OUTLET CONTROL STRUCTURES, EROSION CONTROL MEASURES, SIGNS OF WATER CONTAMINATION/SPILLS, AND SLOPE STABILITY IN THE BERMS.
  - g) MOW ONLY AS APPROPRIATE FOR VEGETATIVE COVER SPECIES. (NOT WITHIN THE DETENTION/BIO-INFILTRATION FACILITY)
  - h) REMOVE ACCUMULATED SEDIMENT FROM BASIN AS REQUIRED. RESTORE ORIGINAL CROSS SECTION AND INFILTRATION RATE. PROPERLY DISPOSE OF SEDIMENT.
  - i) WHILE VEGETATION IS BEING ESTABLISHED, PRUNING AND WEEDING IS REQUIRED.
  - j) DETRITUS IS TO BE REMOVED EVERY YEAR. PERENNIAL PLANTINGS MAY BE CUT DOWN AT THE END OF THE GROWING SEASON.
  - k) MULCH WILL BE RE-SPREAD WHEN EROSION IS EVIDENT AND BE REPLISHED AS NEEDED. ONCE EVERY 2 TO 3 YEARS THE ENTIRE AREA MAY REQUIRE MULCH REPLACEMENT.
  - l) DURING PERIODS OF EXTENDED DROUGHT THE PLANTINGS IN THE PONDS WILL REQUIRE WATERING TREES AND SHRUBS ARE TO BE INSPECTED TWICE PER YEAR TO EVALUATE HEALTH AND REPLACED IF THEY ARE UNHEALTHY AND UNABLE TO BE REPAIRED.

**INSPECTION SCHEDULE**

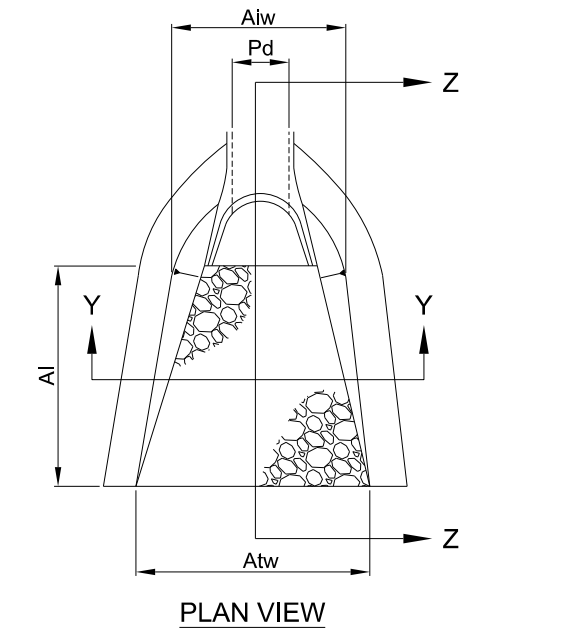
STORMWATER BEST MANAGEMENT PRACTICE	INSPECTION TO BE PERFORMED	MAJOR STORM EVENT	QUARTERLY	BI-ANNUALLY	ANNUALLY	SEMI-ANNUALLY
<b>INFILTRATION PONDS</b>						
	INSPECT OUTLET STRUCTURE FOR CLOGS	✓		✓		
	INSPECT SLOPES FOR EROSION	✓		✓		
	INSPECT CATCH BASINS DRAINING TO PONDS AND REMOVE DEBRIS	✓		✓		
	ENSURE 72 HOUR DRAIN DOWN TIME FOR WATER DRAINING TO POND					✓
	INSPECT FOR ACCUMULATION OF SEDIMENT			✓		
	REMOVE ANY ACCUMULATED SEDIMENT			✓		
	DURING A DRAUGHT WATER THE PLANTINGS	✓	✓	✓	✓	✓
	INSPECT TREES AND SHRUBS AND REPLACE IF IN POOR HEALTH			✓		



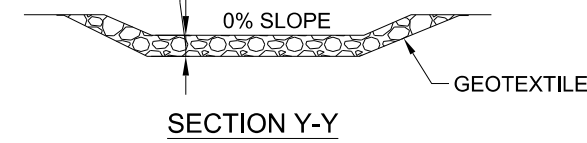
**NOTE:**

1. CONTRACTOR SHALL UTILIZE THIS SECTION FOR FULL DEPTH PAVEMENT REPAIR AND REPLACEMENT. ~~ONCE REPAIRS ARE MADE AS NECESSARY TO CONSTRUCT THE CIVIL SITE IMPROVEMENTS, THE CONTRACTOR SHALL OVERLAY THE ENTIRE PARKING LOT WITH 1" OR SCDOT TYPE C SURFACE COURSE.~~
2. GRADED AGGREGATE BASE COURSE (GABC) SHALL BE IN ACCORDANCE WITH SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION SECTION 305.
3. CONTRACTOR SHALL REPAIR PARKING LOT STRIPING IN KIND AFTER PAVEMENT PATCH IS COMPLETED. CONTRACTOR SHALL SUBMIT PAINT FOR REVIEW BY THE ENGINEER.

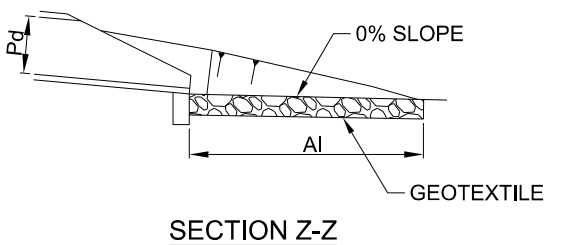
**01 BITUMINOUS PAVEMENT**  
C-503 NOT TO SCALE



PLAN VIEW



SECTION Y-Y



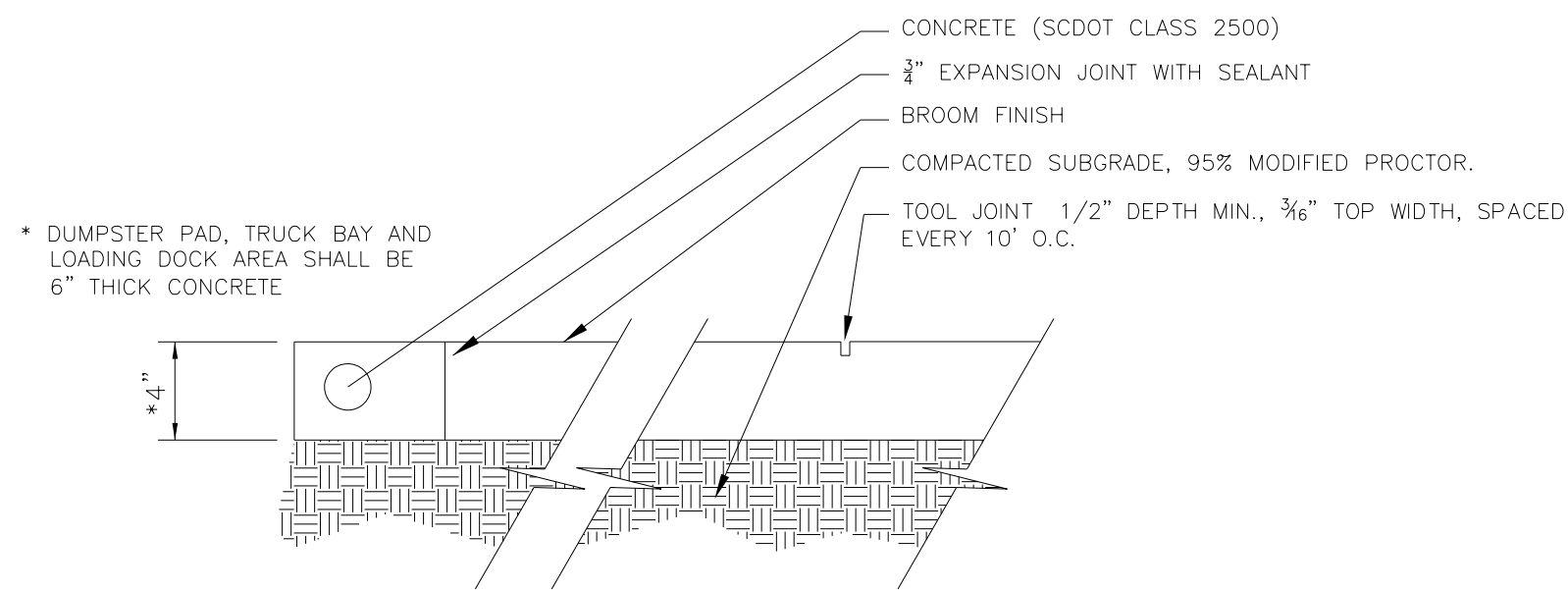
SECTION Z-Z

OUTLET NO.	PIPE DIA. Pd (IN)	RIPRAP			APRON	
		CLASS	THICK Rt (IN)	LENGTH Al (FT)	INITIAL WIDTH Alw (FT)	TERMINAL WIDTH Awt (FT)
EW-1	36	B	27	20	9	29
EW-2	30	B	27	16	7.5	23.5
RG INLET	15	A	18	8	3.75	11.75
RR-1	30	B	27	16	7.5	23.5

**NOTES:**

1. ALL APRONS SHALL BE CONSTRUCTED TO THE DIMENSIONS SHOWN. TERMINAL WIDTHS SHALL BE ADJUSTED AS NECESSARY TO MATCH RECEIVING CHANNELS.
2. ALL APRONS SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EACH RUNOFF EVENT. DISPLACED RIPRAP WITHIN THE APRON SHALL BE REPLACED IMMEDIATELY.

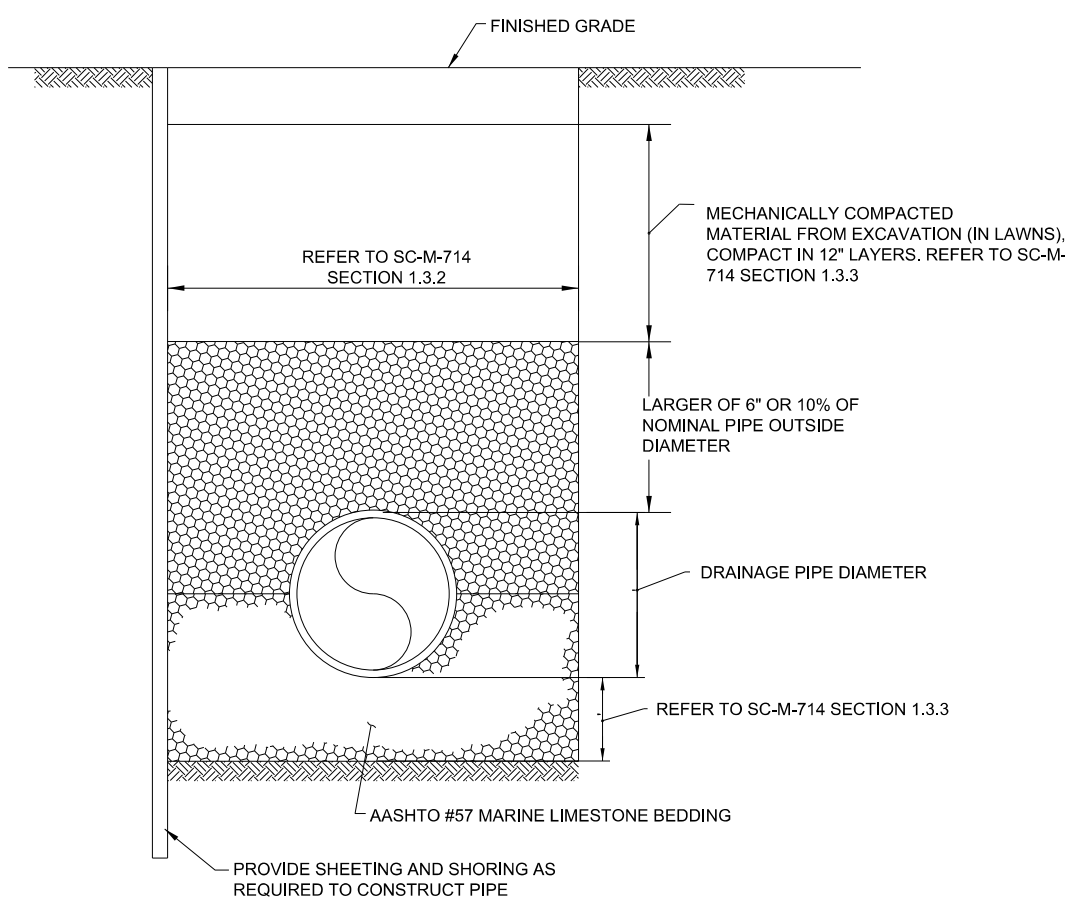
**04 RIPRAP APRON AT PIPE OUTLET WITH FLARED END SECTION OR ENDWALL**  
C-503 STANDARD CONSTRUCTION DETAIL #9-1 NOT TO SCALE



**NOTE:**

1. CONCRETE SIDEWALK SHALL BE 5' WIDE, TYP.

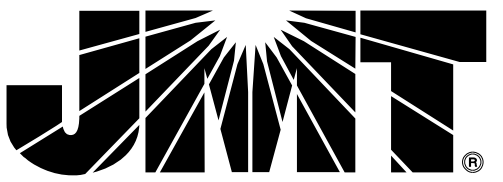
**02 CONCRETE PAVEMENT**  
C-503 NOT TO SCALE



**NOTES:**

1. PIPE TRENCHING AND BACKFILL SHALL BE IN ACCORDANCE WITH SCDOT SUPPLEMENTAL TECHNICAL SPECIFICATION SC-M-714. FOR EACH INLET STRUCTURE, THE CONTRACTOR WILL BE REQUIRED TO EXCAVATE TO SUITABLE SUBGRADE SOIL. THE CONTRACTOR WILL BE REQUIRED TO BACKFILL THE BOTTOM OF THE TRENCH WITH #57 MARINE LIMESTONE, WRAPPED IN GEOTEXTILE.

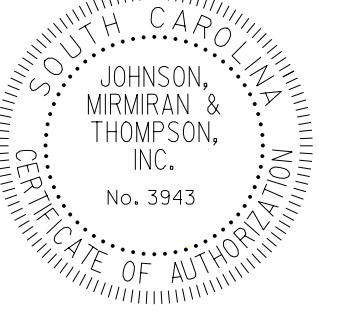
**03 STORM DRAINAGE PIPE TRENCH SECTION**  
C-503 NOT TO SCALE



235 MAGRATH DARBY BLVD., SUITE 275  
MT. PLEASANT, SC 29464  
P: 843-556-2624 | F: 843-556-4329 | www.jmat.com



**SEAL:**



8/10/2022

PREPARED FOR:  
**FRANCIS MARION UNIVERSITY**  
4822 E PALMETTO ST.  
FLORENCE, SC 29506  
PHONE: (843)-661-1460

**REVISIONS**

NO.	DATE	DESCRIPTION
1	11/4/22	DTL 1 NOTE REVISION

PROJECT:  
**FRANCIS MARION UNIVERSITY**  
**STORMWATER DRAINAGE IMPROVEMENTS**  
**H18-N079-MJ**

EDA AWARD #  
**04-01-07484.01**

PROJECT LOCATION:  
4822 E PALMETTO ST.  
FLORENCE, SC 29506

PROJECT NUMBER:  
21-01560-001

DATE: 8/10/2022  
SCALE: AS NOTED

PLAN SET:  
CONSTRUCTION PLAN

DRAWING TITLE:  
**DETAILS SHEET**

DRAWING NUMBER:

**C-503**

C:\2022\12\10\1560\_001\_Francis\_Marion\_University\CADD\Civil\Plan\01\560r\_01\560r\_01\DETAIL\_3.dgn 8/10/2022

SE-310

## INVITATION FOR DESIGN-BID-BUILD CONSTRUCTION SERVICES

AGENCY/OWNER: Francis Marion UniversityPROJECT NAME: Stormwater Drainage Improvements - RE-ADVERTISE TO CHANGE PRE-BID LOCATIONPROJECT NUMBER: H18-N079-MJ CONSTRUCTION COST RANGE: \$ 1,300,000 to \$ 1,600,000PROJECT LOCATION: Francis Marion University Main Campus - Florence, SC

DESCRIPTION OF PROJECT/SERVICES: Drainage improvements along Francis Marion Road to Wallace Woods Road, including work on Alumni Drive and Access Road. Project includes cleaning and maintaining components of the existing system as well as adding pipe runs and inlets to the system to improve drainage and reduce flooding for the site. The South Carolina Office of Resilience and the US Dept. of Commerce Economic Development Administration are providing partial project funding (EDA #04-01-07484.01).

BID/SUBMITTAL DUE DATE: 12/1/2022 TIME: 2:00 PM NUMBER OF COPIES: 1PROJECT DELIVERY METHOD: Design-Bid-BuildAGENCY PROJECT COORDINATOR: Taylor L. HucksEMAIL: taylor.hucks@fmarion.edu TELEPHONE: 843-661-1488DOCUMENTS MAY BE OBTAINED FROM: https://www.fmarion.edu/facilitiesmanagement/

BID SECURITY IS REQUIRED IN AN AMOUNT NOT LESS THAN 5% OF THE BASE BID.

PERFORMANCE AND LABOR & MATERIAL PAYMENT BONDS: The successful Contactor will be required to provide Performance and Labor and Material Payment Bonds, each in the amount of 100% of the Contract Price.

DOCUMENT DEPOSIT AMOUNT: \$ 0.00 IS DEPOSIT REFUNDABLE Yes  No  N/A 

Bidders must obtain Bidding Documents/Plans from the above listed source(s) to be listed as an official plan holder. Bidders that rely on copies obtained from any other source do so at their own risk. All written communications with official plan holders & bidders will be via email or website posting.

Agency WILL NOT accept Bids sent via email.

All questions &amp; correspondence concerning this Invitation shall be addressed to the A/E.

A/E NAME: JMT - Johnson, Mirmiran & Thompson, Inc. A/E CONTACT: Ryan Mattie, PEEMAIL: rmattie@jmt.com TELEPHONE: 843-779-3705PRE-BID CONFERENCE: Yes  No  MANDATORY ATTENDANCE: Yes  No PRE-BID DATE: 11/15/2022 TIME: 10:00 AMPRE-BID PLACE: Lee Nursing Building - Room #213A - Francis Marion UniversityBID OPENING PLACE: Francis Marion University - Physical Plant Building

BID DELIVERY ADDRESSES:

HAND-DELIVERY:

Attn: Ms. Taylor L. Hucks4822 East Palmetto StreetFlorence, SC 29506

MAIL SERVICE:

Attn: Ms. Taylor L. Hucks4822 East Palmetto StreetFlorence, SC 29506IS PROJECT WITHIN AGENCY CONSTRUCTION CERTIFICATION? (Agency MUST check one) Yes  No 

APPROVED BY: \_\_\_\_\_

  
(OSE Project Manager)

DATE: 11/2/22