

# **South Carolina Office of Resilience**

## **Request for Qualifications for**

### **Laurens County Stormwater Infrastructure**

### **Projects**

### **State Project #s: D30-N041-MJ**

#### **SECTION 1: GENERAL SCOPE**

##### **Overview:**

The South Carolina Office of Resilience (SCOR) seeks a qualified, licensed firm to provide engineering and design services related to stormwater improvements and best management practices in Laurens County, South Carolina. The County plans to make stormwater improvements to reduce flooding using grey and green infrastructure in two areas: 1) the northern County along Sullivan Road, and 2) the Wattsville community. The State intends to use the American Rescue Plan Act (ARPA) grant to fund these projects through SCOR's ARPA-Funded Stormwater Infrastructure Program (ASIP). ASIP funding is limited and those competing for this project must have a thorough and demonstrated understanding of the constraints and limitations associated with ARPA funding.

This solicitation for engineering services is for the following projects:

##### **I. Northern Laurens County - Culvert Upgrades, Stream Restoration, and Bioswales**

The stream crossing at Sullivan Road and Chapman Road in northern Laurens County frequently experiences road closures, damage to the roads and stream bank erosion caused by flooding. SCOR and Laurens County seek to improve stormwater retention and water quality and reduce flooding for the surrounding area. A conceptual design for this project has been completed and is included with this RFQ. The proposed stormwater infrastructure improvements, at minimum should include:

1. Design stormwater system to reduce flooding in/around the project area including improvements to the existing culverts along Sullivan and Chapman Roads
2. Restoration of the degraded portion of the stream immediately west of the Sullivan Road crossing and the roadside bioswale along Sullivan Road to the north of stream crossing
3. Benefit Cost Analysis (BCA) – revised to reflect final project scope.
4. Analysis of downstream impacts of the final design must be evaluated and well documented in the deliverables
5. NEPA level environmental review

6. Stormwater Pollution Prevention Plan (SWPPP) and all required permits

## **II. Wattsville Community Stormwater Improvements:**

The Wattsville community is a textile mill village established in the early 1900's. The existing drainage system in the Wattsville community is failing due to the age, which results in frequent flooding of the streets and residences in the area and causes sinkholes to form throughout the community. The old drainage system consisting of clay pipes has exceeded its functional life. SCOR and Laurens County seek to improve the system. Limited H&H analysis has been conducted by the County. A conceptual plan has been developed and is included in the RFQ. The proposed stormwater infrastructure improvement, at minimum should include:

1. Design a new stormwater system to reduce flooding and improve water quality, and abandon the existing system aside from the potential tie-ins at the outfall locations. The new system will utilize existing backyard alleyways and existing rights-of-way.
2. Design bioretention areas distributed throughout the project area to provide additional nature-based stormwater control, water quality improvements, and aesthetic, ecological and educational benefits to the project area. Approximately 80% of the pipe network should connect to one of the bioretention areas
3. Educational signage of the subsurface/nature-based stormwater solutions shall be considered as part of the overall project design. Signage must be published in both English and Spanish
4. An Operation & Maintenance manual for the system, including the nature-based solutions
5. Benefit Cost Analysis (BCA) – revised to reflect final project scope
6. Analysis of downstream impacts of the final design must be evaluated and well documented in the deliverables
7. NEPA level environmental review
8. Stormwater Pollution Prevention Plan (SWPPP) and all required permits

The final plan deliverable must have the highest level of credibility based upon data-driven, expert analysis. Therefore, the State seeks an experienced firm that is familiar with these types of projects and can work within the intent of the program. The selected firm will provide comprehensive data analysis which will stand intense public scrutiny, and the final product must be easily defensible due to its intellectual rigor.

### **Background:**

In March 2021, as the Coronavirus crisis continued the American Rescue Plan Act of 2021 (ARPA) established the Coronavirus State and Local Fiscal Recovery Funds (SLFRF) to provide state, local and Tribal governments awarding \$240 billion and identified specific allocation for the funds. SLFRF funds must be obligated by December 31, 2024, and funds must be expended spent by December 31, 2026. In 2022, the ARPA Office of Resilience Account was established for the purpose of completing stormwater infrastructure projects and acquisitions of property in the floodplain throughout the State to lessen the impacts of future funding.

## **SECTION 2: SPECIFICATIONS**

### **Scope of Work and Deliverables:**

Within 365 days of contract award, the selected firm will provide the South Carolina Office of Resilience and the Laurens County with final deliverables for the two identified projects that meets or exceeds the specifications outlined:

1. Conduct Field Survey to include surveying and documentation of size, materials, conditions, and locations of existing drainage systems related to the project area, if any.
2. Utility Coordination
3. Hydraulic Design
4. Preliminary Design Plans and Conceptual Cost Estimate
  - a. 30% Conceptual Cost Estimate submitted to SCOR and the County for review
  - b. 60% Design Plans and updated Cost Estimate submitted to SCOR and the County
  - c. 90% Design Plans and updated Cost Estimated submitted to SCOR and the County
  - d. Development of Change Order requests with SCOR and County staff, as needed
5. Public Involvement to include
  - a. A minimum of two in-person public meetings to allow the Laurens County citizens opportunity to identify areas of concern within the project areas and provide public comment on the proposed project activities. SCOR personnel will attend public meetings.
  - b. Distribution of project information to citizen in/around the project area as needed to keep citizens informed on the project. All publicly shared project information must be published in both English and Spanish.
6. Conduct a Benefit Cost Analysis (BCA) using the latest FEMA BCA Toolkit on the final project design
  - a. Provide BCA calculation dataset to SCOR and the County
7. Environmental Review
  - a. Develop an Environmental Review in compliance with NEPA and Section 106 requirements
  - b. Wetland delineation and coordination with U.S. Army Corp of Engineers (USACE), as required
  - c. Provide final environmental review report including documentation of agency consultations and public notification processes to SCOR and the County
  - d. Environmental review public notices must be published in both English and Spanish

8. Analysis of downstream impacts of the project's final design
  - a. A minimum of a 20% downstream analyst of impacts should accompany Final Design Plan as a stormwater requirement
9. Final Design Plans, in accordance with SC Office of State Engineers (OSE) requirements, to include
  - a. Design Drawings, to be approved by SCOR and the County prior to submittal to OSE
  - b. Project Manual
  - c. Final Construction Cost Estimate
  - d. Stormwater Pollution Prevention Plan (SWPPP) in accordance with SC DHEC and Laurens County SMS4 requirements
  - e. Required Federal/State/Local permits including, but not limited to, USACE, SC DHEC, SC DOT, and Laurens County
  - f. Assist SCOR during the bid process
    - i. Respond to questions from bidders
    - ii. Attend a prebid conference
  - g. Final as-built plans provided to SCOR and the County following completion of construction
  - h. Operation and Maintenance Plan provided to SCOR and the County for nature-based systems
10. Construction Administration –
  - a. Grant Compliance/Davis Bacon, if applicable
  - b. Construction Engineering Inspection
11. Coordination with the South Carolina Office of Resilience's Mitigation Department for the duration of the contract to include:
  - a. Monthly coordination calls (virtual) where the firm will present a progress report to SCOR
  - b. Site visits with SCOR and the County's staff as needed

NOTE: This project will be bid using the Office of State Engineer's Manual and Forms. These can be accessed at <https://procurement.sc.gov/manual#ditem-11624>

### **SECTION 3: SUBMITTAL INFORMATION**

Submittal shall include, at a minimum, information required in the solicitation, responses to all selection criteria required by the SC Consolidated Procurement Code (found in Chapter 4 of the OSE Manual), and the following:

1. Firm's Unique Entity Identifier (UEI) generated by SAM.gov

2. Firm's staffing proposal for this project to include:
  - a. Staffing diagram; and
  - b. Names and resumes of staff working on the project
  - c. Current workload capacity of each staff member working on the project
3. All subcontractor staff proposed for this project
  - a. Subcontractor's UEI
  - b. Staff name(s) and resume working on the project
  - c. Current workload capacity of each staff member working on this project
4. Firm's listing of completed drainage projects performed within the last 5 years with Executive Summary. Include staff involved in the project.

**Submittal Format:**

Provide one (1) electronic copy and six (6) printed copies to the South Carolina Office of Resilience's Mitigation Department.

Printed submittals must be clearly labeled on the outside of the envelope with the following wording: "D30-N041-MJ *Engineering Services Submittal for ARPA-Funded Stormwater Infrastructure Program (ASIP)*," and the State Project Name and Number. All late submittals will be rejected. The South Carolina Office of Resilience is not responsible for late submissions caused by delays in mail delivery or a delay in any other method of delivery.

Print size shall be 12 pt. font minimum, on 8½ by 11 papers, double-sided, must include all the information required in this RFQ and may include any additional information that the A/E deems pertinent to the understanding and evaluation of its response.

Provide a cover page that includes Company Name, Address, Point of Contact (Email Address and Phone Number); D30-N041-MJ Engineering Services for ARPA-Funded Stormwater Infrastructure Program (ASIP), Prime UEI, Date of Submission, and include the signed certification below:

**I certify that this submittal is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a response to this RFQ, and is in all respects fair and without collusion or fraud. I agree to abide by all conditions of the RFQ and certify that I am authorized to submit this response.**

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***Authorized Signature (Print)***

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***Authorized Signature w/ Title***

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***E-mail Address***

Electronic submittals must be delivered on a USB flash drive along with the printed copies to South Carolina Office of Resilience, 632 Rosewood Drive, South Carolina 29201, Attention: Mitigation Department.

**Submittal Deadline:**

Deadline for submission: Tuesday, October 3, 2023, at 4:00 PM to the South Carolina Office of Resilience Mitigation Department at either of the following:

- 632 Rosewood Drive, Columbia, SC 29201, Attention: Kristin Johnson, Mitigation Department
- MIT\_Infrastructure@scor.sc.gov;

**SECTION 4: PRE-SUBMITTAL CONFERENCE**




The State will conduct a virtual Non-Mandatory Pre-Submittal conference via Zoom as part of this process to provide additional project information and expound upon potential questions. This conference will be held on Monday, September 18, 2023, at 2:00 PM at <https://us02web.zoom.us/j/81895479383?pwd=bWVGak5Eek9OaINSR00vOUNYM2I2Zz09>. Although attendance is not mandatory, all interested firms are strongly encouraged to attend. Any questions regarding this project must be submitted in writing via email no later than 4:00PM on Wednesday, September 13, 2023. Questions should be emailed to MIT\_Infrastructure@scor.sc.gov. All submitted questions will be addressed at the pre-submittal conference.

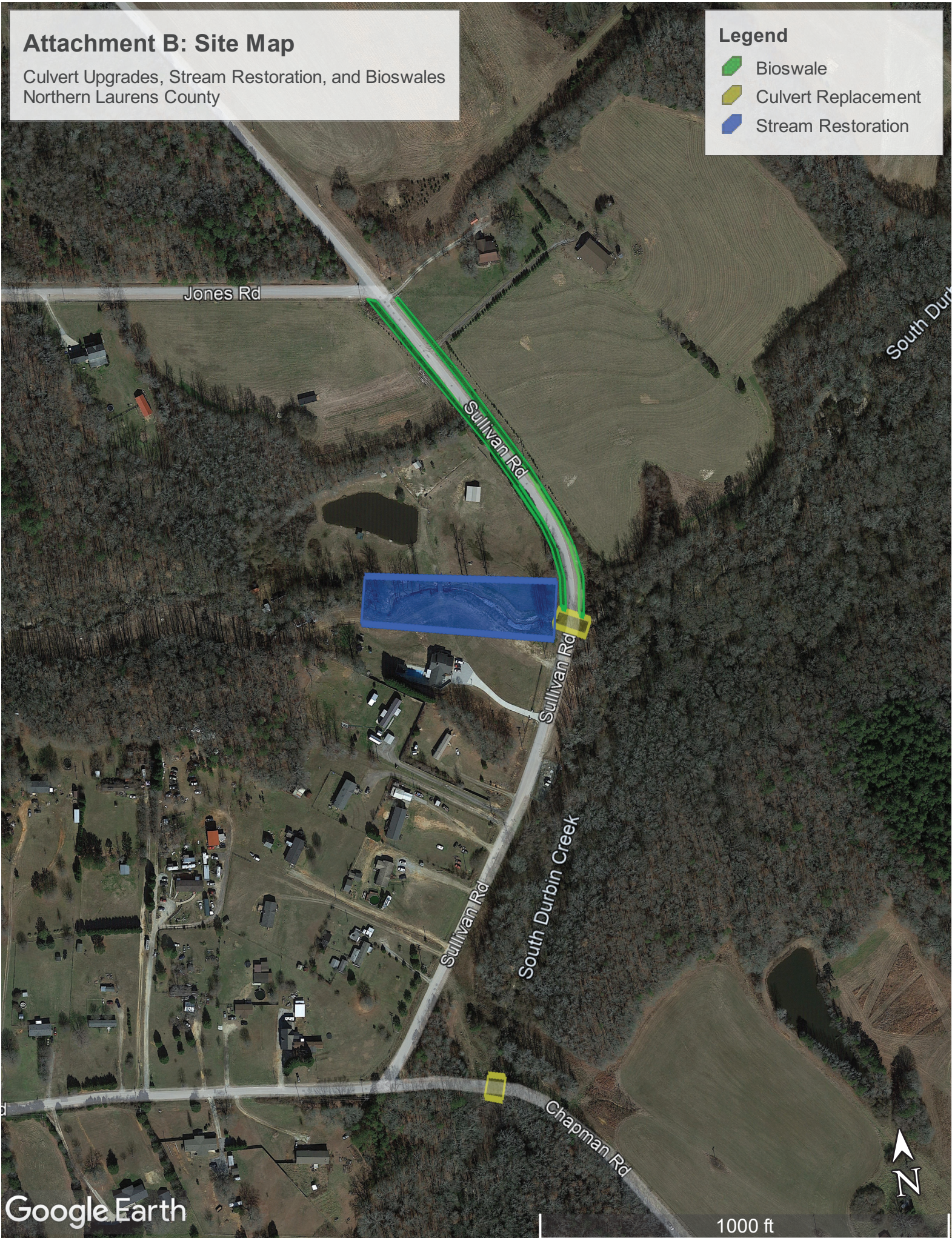


## Attachment B: Site Map

Culvert Upgrades, Stream Restoration, and Bioswales  
Northern Laurens County

### Legend

-  Bioswale
-  Culvert Replacement
-  Stream Restoration







- Junctions
- ▲ Outfalls
- Storages
- Conduits
  - Pipe
  - Open Channel
- Subcatchments



PROJECT NAME: SCOR ARPA FUNDING SUPPORT  
FOR  
LAURENS COUNTY

DRAWING TITLE: PCSWMM MODEL SCHEMATIC - EXISTING DRAINAGE SYSTEM

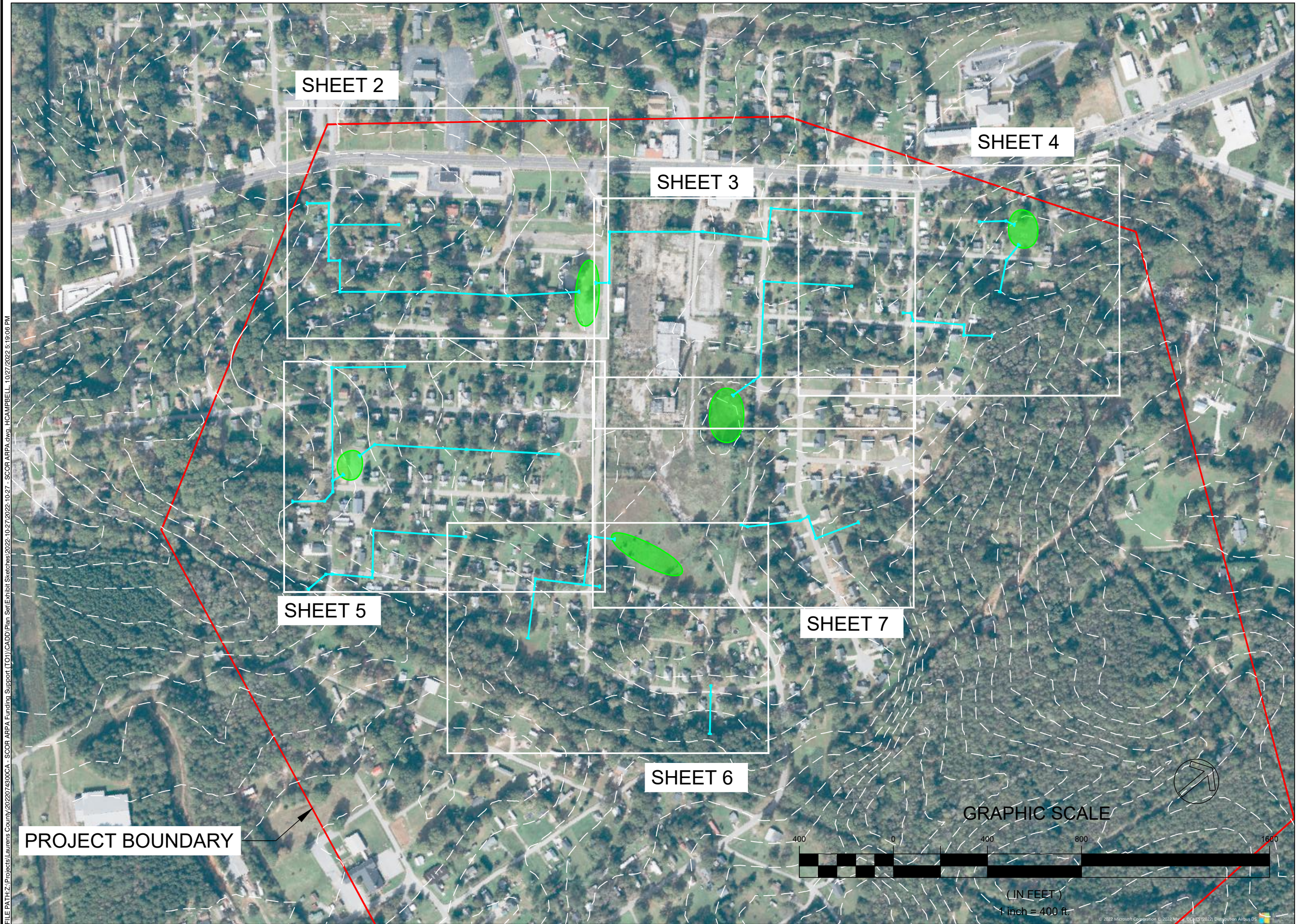
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PROJ. DATE:	OCT 2022
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PROJECT NAME: SCOR ARPA FUNDING SUPPORT

FOR LAURENS COUNTY

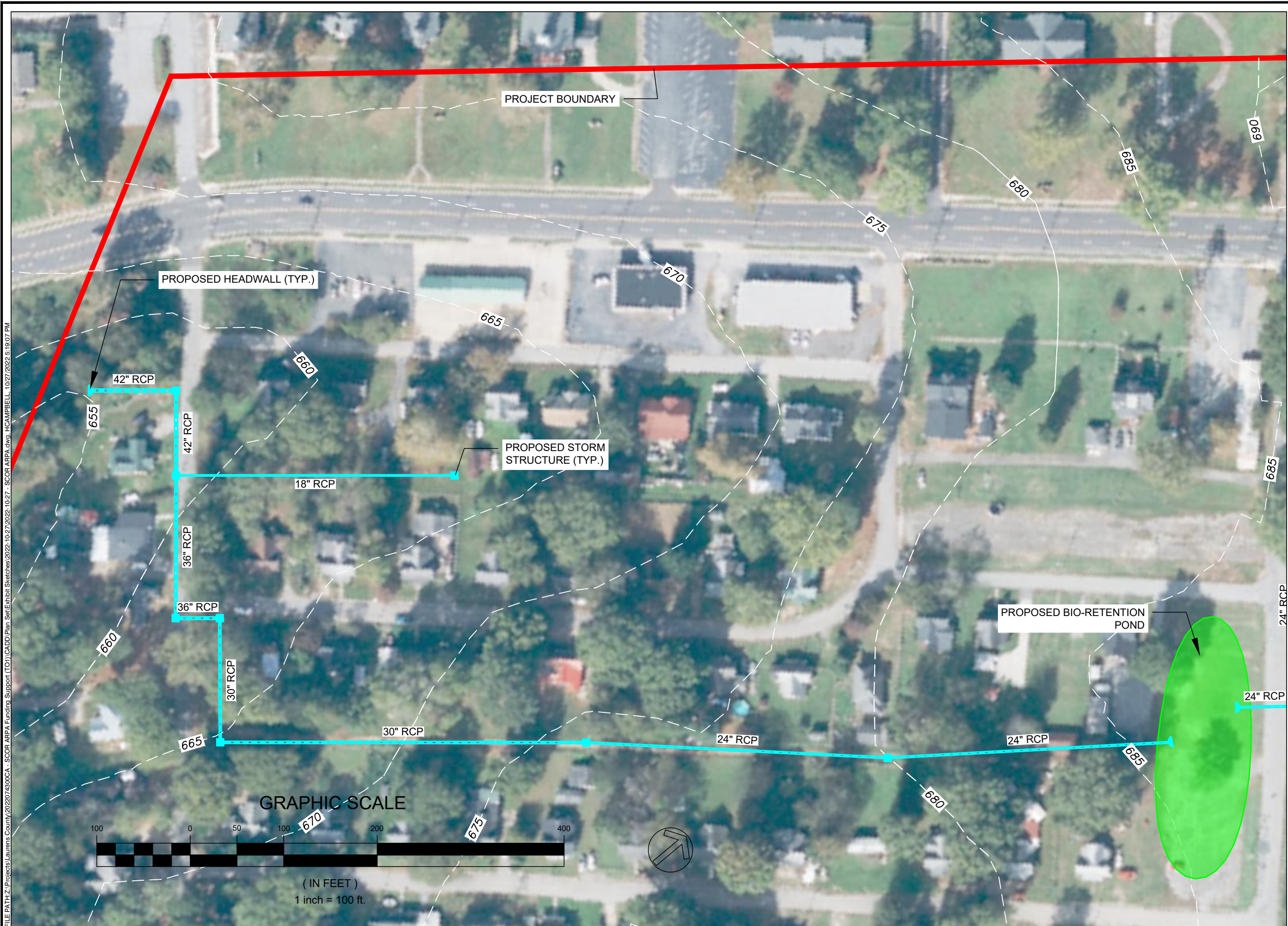
CONCEPTUAL DRAINAGE PLAN - OVERALL

DRAWING TITLE:


PROJ. MGR.:	MJ
DESIGN BY:	HC
DRAWN BY:	HC
PROJ. DATE:	OCT 2022
DRAWING NUMBER:	1 OF 7
WKD PROJ. NO.:	20220743.00.CA



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PROJECT NAME: SCOR ARPA FUNDING SUPPORT FOR LAURENS COUNTY

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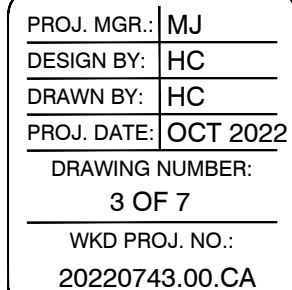
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FOR  
LAURENS COUNTY

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FOR  
LAURENS COUNTY

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CONCEPTUAL DRAINAGE PLAN

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