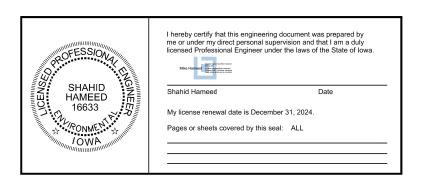
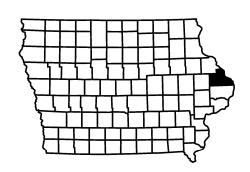
IOWA DEPARTMENT OF NATURAL RESOURCES

CONSTRUCTION DOCUMENTS FOR LAGOON LINER REPLACEMENT MAQUOKETA CAVES STATE PARK JACKSON COUNTY, IOWA

PROJECT # 24-06-49-01



DIRECTORY					
MANAGER	CONSTRUCTION INSPECTOR				
IOWA DEPARTMENT OF NATURAL RESOURCES	COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES			
502 EAST 9TH STREET	ADDRESS				
DES MOINES, IA, 50319	CITY,STATE,ZIP				
MIKE HAMEED	CONTACT	MARK MOELLER			
515-336-2839	TELEPHONE	515-214-9532			
	FAX				
mike.hameed@dnr.iowa.gov	EMAIL	mark.moeller@dnr.iowa.gov			
	MANAGER IOWA DEPARTMENT OF NATURAL RESOURCES 502 EAST 9TH STREET DES MOINES, IA, 50319 MIKE HAMEED 515-336-2839	MANAGER IOWA DEPARTMENT OF NATURAL RESOURCES 502 EAST 9TH STREET DES MOINES, IA, 50319 MIKE HAMEED CONTACT 515-336-2839 TELEPHONE FAX			



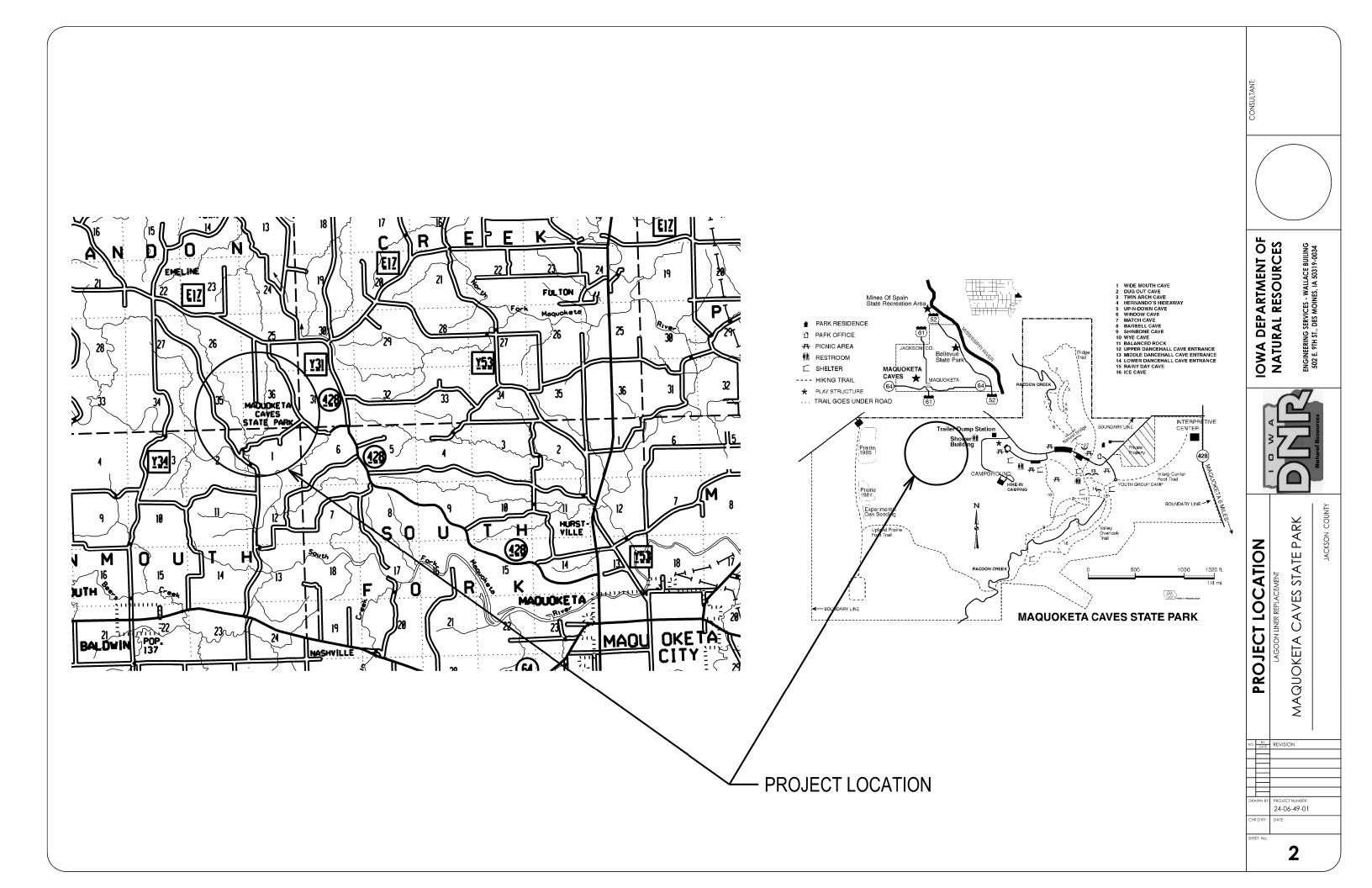
PROJECT DESCRIPTION THIS PROJECT CONSISTS OF BIOSOLIDS REMOVAL AND REPLACEMENT OF THE EXISTING SYNTHETIC LINER WITH A NEW LINER FOR BOTH LAGOONS. THE PROJECT ALSO INCLUDES BOUNDARY FENCE REPLACEMENT.

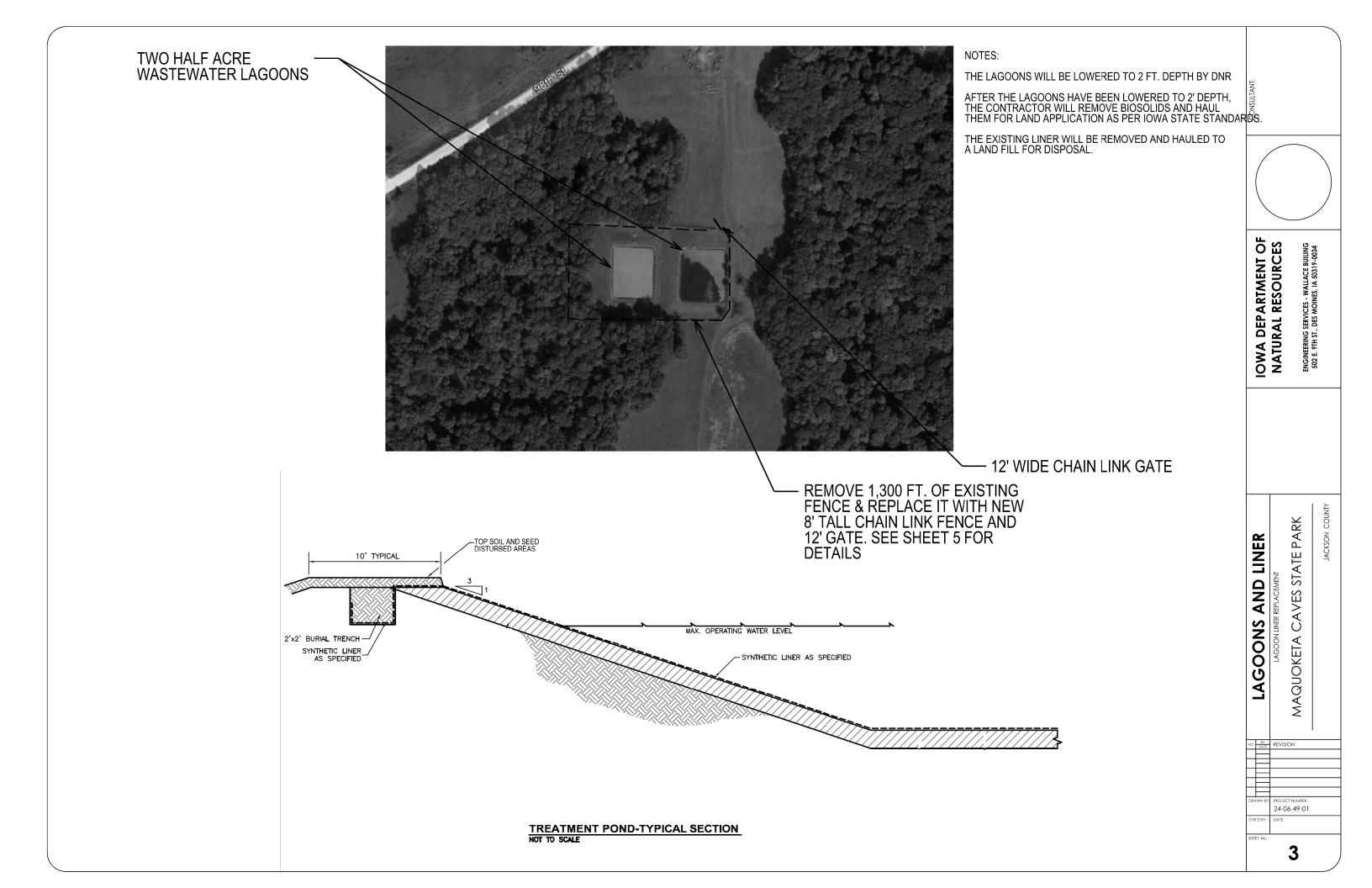


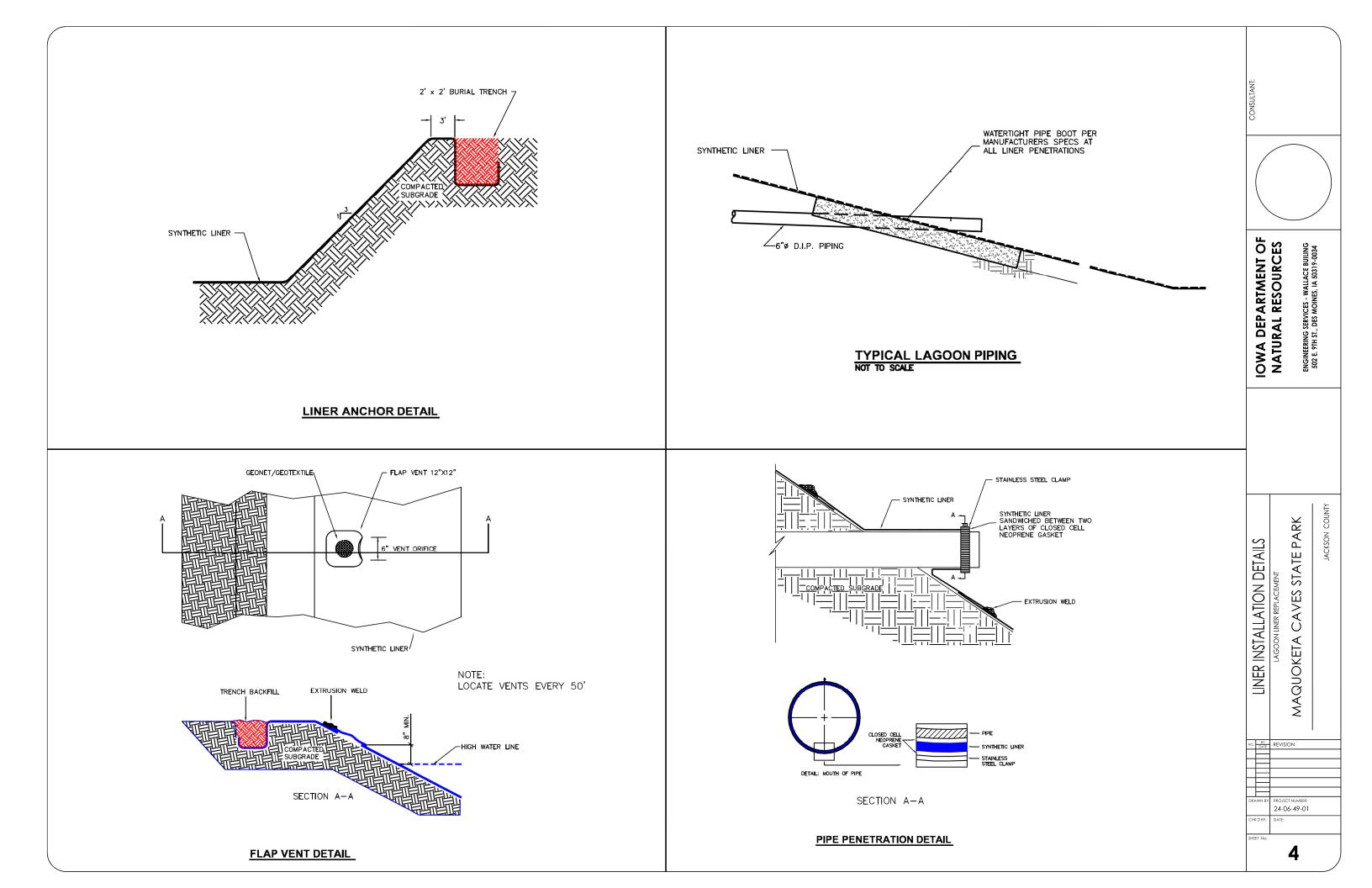
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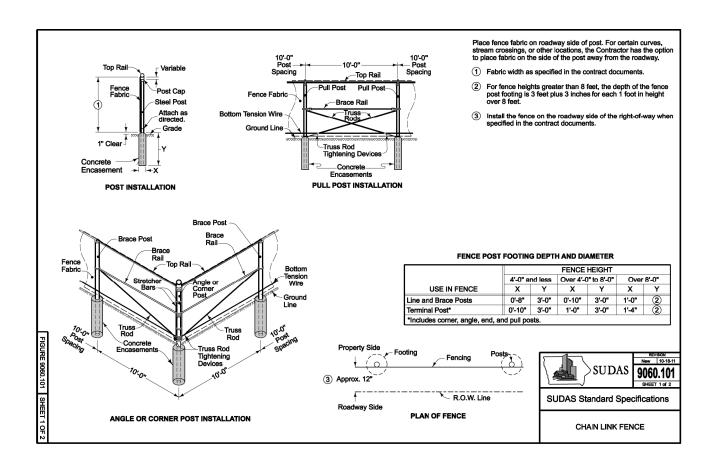
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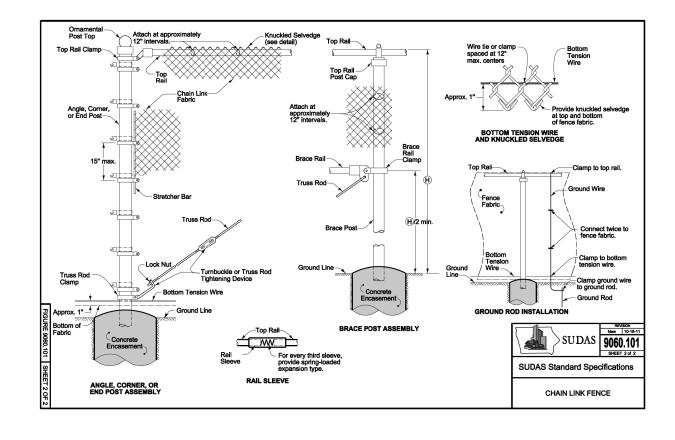
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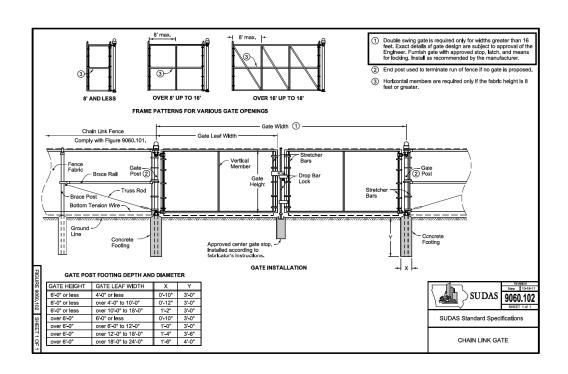




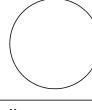














IOWA DEPARTMENT OF NATURAL RESOURCES



STATE PARK

CHAIN LINK FENCE CAVES MAQUOKETA

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ESTIMATED PROJECT QUANTITIES

ITEM NO.	ITEM	UNIT	TOTAL
1	Mobilization	LS	1
2	Biosolid Removal & Disposal	GALLONS	360,000
3	Removal & Disposal of Existing Liner	LS	1
4	New Liner & Installation	LS	1
	ATLERNATES		
5	Remove & Replace Existing Fence with 8 FT. High Chain Link Fence	LF	1300
6	12 ft. Wide Fence Gate	LS	1

ESTIMATE REFERENCE INFORMATION

ITEM NO.	DESCRIPTION
2.	A. lowa DNR will lower the lagoons to 2 'level. Contractor will be responsible for pumping, hauling and land application of Biosolds as specified in section 11380 of the specifications. Contractor is also responsible for testing and reporting to lowa DNR Field Office 1 in Manchester Phone 563-927-2640.
3.	A. Contractor will remove and dispose of the old liner to a landfill.
4.	A. Refer to secction 02661 of the specification.
5,6	A. R efer to Division 9 Section 9060 of SUDAS. Contractor is responsible for disposal of old fence.

GENERAL NOTES

Verify actual locations and elevations with DNR Engineer.

The contractor shall visit the site and inspect the project area and thoroughly familiarize themselves with the actual job conditions prior to bidding and the start of work. Failure to visit the project site shall not relieve the contractor from performing the work in accordance to the plans, specification, special provisions and contract.

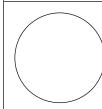
The contractor shall verify, at the site, all dimensions and conditions shown on the plans and shall notify the DNR Engineer of any discrepancies, omissions, and/or conflicts prior to proceeding with the work.

It shall be the contractor's responsibility to provide waste areas or disposal sites for excess material (excavated material or broken concrete) which is not desirable to be incorporated into the work involved on this project. No payment for overhaul will be allowed for material hauled to these sites. No material shall be placed within the right-of-way, unless specifically stated in the plans or approved by the DNR Engineer.

The contractor shall not disturb desirable grass areas and desirable trees outside the construction limits. The contractor will not be permitted to park or service vehicles and equipment or use these areas for storage of materials. Storage, parking and service areas will be subject to the approval of the DNR Engineer.

Where utilities and fixtures are shown as Existing on the plans or encountered within the construction area, it shall be the responsibility of the contractor to notify the DNR Engineer of those utilities prior to the beginning of any construction. The contractor shall be afforded access to these facilities for necessary modification of services. Underground facilities, structures and utilities have been plotted from available surveys and records and therefore their locations must be considered approximate only. It is possible there may be others, the existence of which is presently not known or shown. It is the contractor's responsibility to determine their existence and exact location and to avoid damage thereto. No claims for additional compensation will be allowed to the contractor for any interference or delay caused by such work.

The contractor is expected to have materials, equipment, and labor available on a daily basis to install and maintain erosion control features on the project. This may involve seeding, silt fence, rock ditch checks, silt basins or silt dikes.



IOWA DEPARTMENT OF NATURAL RESOURCES ENGINEERING SERVICES - WALLACE BUILING 502 E. 9TH ST., DES MOINES, IA 50319-0034

NANTITIES AND GENERAL INFORMATION

CAVES STATE PARK MAQUOKETA

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