CITY OF LOS ANGELES

CALIFORNIA

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April 17, 2023

Colonel Julie A. Balten
District Commander
US Army Corps of Engineers
915 Wilshire Blvd.
Los Angeles, CA 90017

LASAN Letter of Intent to Operate and Maintain the In-River Features of *Bending the River Back into the City*

Dear Colonel Balten:

Metabolic Studio LLC is delivering the *Bending the River Back into the City* project (Project), in collaboration with LA Sanitation and the Environment (LASAN) and the Los Angeles Department of Water and Power (LADWP). A Section 408 Permit is required for the Project. A Memorandum of Agreement (MOA) was executed between Metabolic Studio LLC, LASAN, and LADWP in May 2021. Due to a revision and reduced project scope of work for the Project, a revised MOA is required. LASAN was advised by Metabolic Studio LLC that the US Army Corps will issue a Section 408 permit to allow in-River construction components of the project to proceed in advance of the execution of the updated MOA, provided LASAN submits this Letter of Intent to Operate and Maintain the in-River components of the project.

The revised MOA, which reflects the reduced scope of work and LASAN's continued Operations and Maintenance commitments for the Project, has been reviewed by LASAN. Specifically, LASAN reviewed the draft engineering drawings, design specifications, and Operations and Maintenance Manual, as well as the text of the MOA itself.

We are recommending approval of the updated MOA by the Board of Public Works.

In addition to approval by the Board of Public Works, the MOA is subject to approval by several City agencies. This multi-agency City review and approval process can take several months to

complete. Approval of similar agreements for two prior versions of the project was obtained in 2017 and 2021, and the City has approved related project elements (like the Spring Street project pipeline) on multiple occasions. It is LASAN's intent to perform the responsibilities described in the attached Scope of Services once the updated MOA receives final approval by the City and the project is built and operating.

If you require any additional information, please contact Mr. Michael Scaduto of my staff, at 562-440-6080 or Michael.Scaduto@lacity.org.

Sincerely,

Barbara Romero
Director and General Manager

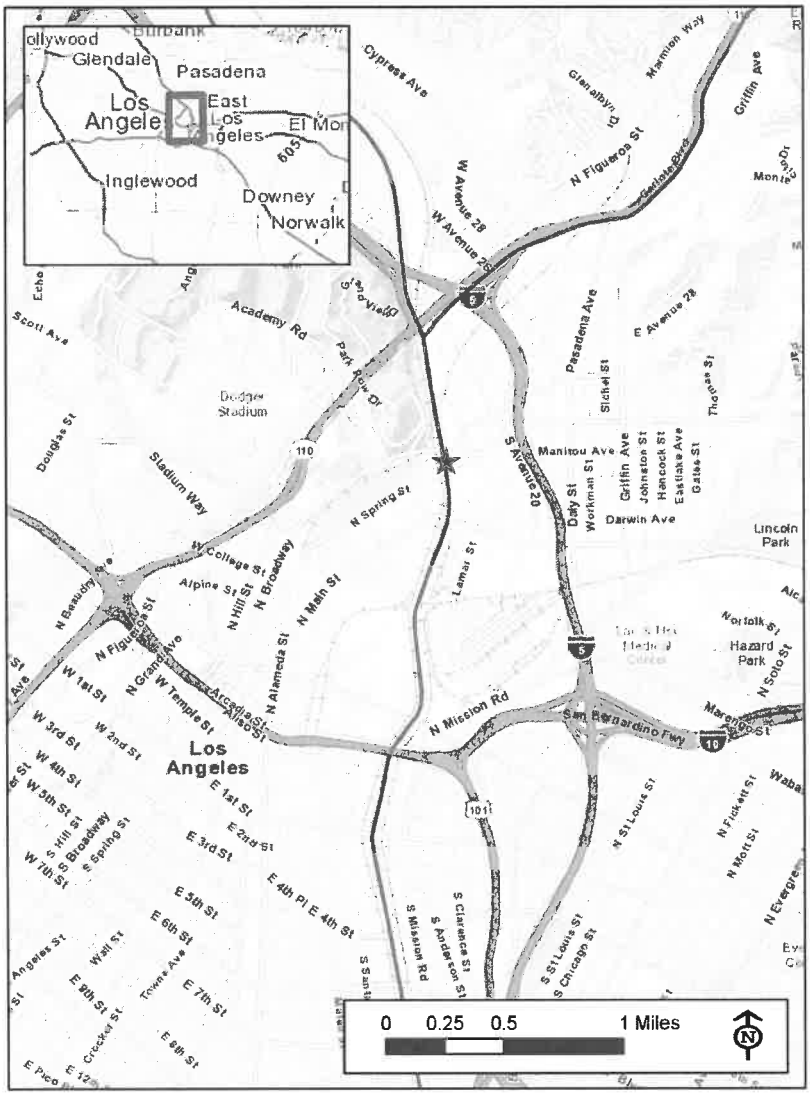
cc:
Traci Minamide
Julie Allen
Michael Scaduto
Gerald Watson
Kwasi Berko

ATT: Scope of Services

Scope of Services - March 2023
Low Flow Diversion and Auxiliary Structures
Bending the River Back into the City

Metabolic Studio will install a low flow diversion and other appurtenances as described below. This document details the anticipated scope of work for inspection, operation, and maintenance activities.

SYSTEM LOCATION



SYSTEM COMPONENTS

- The system components consist of the following:
  - In-River Appurtenances

    - Low flow intake screen structure
- Subgrade pipelines, gate valve, and access manholes
- Well Pit and Submersible Pump
- Treated water line
- Sediment removal

WORK DESCRIPTION

The system components, as identified above, will be maintained to provide maximum performance and provide preventative maintenance by conducting necessary facility upkeep. Work to be accomplished consists of maintenance, inspection, and repair. Operation and maintenance activities will include periodic inspection, screen cleaning, gate operation and sediment removal from within the intake structure, access manholes, and pipelines.

OPERATIONS

Low Flow Intake Operations

No personnel are required to operate the Project during non-storm low flow conditions. During normal operations, the gate valve will be open, allowing flows from the low flow channel enter the system and are conveyed through subgrade pipes until they reach the wet well. While pumps are on flows will continue to enter the system to maintain hydraulic equilibrium between the low flow channel and wet well. Under the conditions that pumps are turned off, flows will bypass the inlet screen structure. The wedge-wire screen allows up to 0.33 CFS to enter the subgrade intake pipe while flows greater than 0.33 CFS will bypass the intake structure and continue flowing into the existing low flow channel of the Los Angeles River.

During wet weather conditions, defined as periods when rain generates enough runoff that the channel bottom experiences flows, the hydrostatic level in the pump well will match LA River conditions. The pumps may or may not be operational during wet weather conditions without negatively affecting the system.

System Dewatering

In order to perform required maintenance, flow through the subgrade pipes will be shut off by closing the valve.

In order to perform required maintenance on the low flow intake structure, low flows in the river will need to be diverted back towards the centerline of the river by placing an aqua dam barrier at the inlet to the low flow intake screen. Metabolic Studio should be notified at least 1 week prior to maintenance activities being performed. The wet well pumps can be used to drain water in subsurface pipes. If necessary, portable pumps can be used in the access manholes to further dewater remaining water within the subgrade pipes.

Maintenance and Inspections

LASAN will perform operation and maintenance activities in accordance with the description and activity schedule outlined in the Table below.

Operation and Maintenance Activity Table

Frequency	Activity	Features	Description
Monthly	Visual Inspection and Cleaning	Intake Screen Structure, Gate Valve, and Access Manholes	Intake screen and access manholes should be inspected for debris and cleaned. Gate valve should be operated.
Annual	Visual Inspection and Cleaning	Intake Screen Structure, Intake Pipe, Access Manholes, and Reinforced Concrete Slab and Joint Seals	Intake screen, intake pipes, and access manholes should be inspected annually upon system dewatering. The inspection should look for any compacted debris or sediment which has not been removed by normal flows. Signs of damage to the intake screen as well as any structural deficiencies in the pipes should be identified and remedied. Visual inspections of the reinforced concrete slab and joints to look for cracking and fractures in concrete and deterioration of joint seals, repair if necessary.