

# **Appendix IS-7**

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WWSI

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**WASTEWATER ENGINEERING  
SERVICES DIVISION**  
2714 MEDIA CENTER DRIVE  
LOS ANGELES, CA 90065  
FAX: (323) 342-6210  
WWW.LACITYSAN.ORG

January 25, 2021

Mr. Eric Pearson  
KPF Consulting Engineers  
700 S Flower Street, #2100  
Los Angeles, CA 90017

Dear Mr. Pearson,

**1235 VINE STREET – REQUEST FOR WASTEWATER SERVICE INFORMATION**

This is in response to your January 21, 2021 letter requesting a review of your proposed mixed-use project located at 1235 North Vine Street, Los Angeles, CA 90038. The project will consist of office building and restaurant. LA Sanitation has conducted a preliminary evaluation of the potential impacts to the wastewater and stormwater systems for the proposed project.

**WASTEWATER REQUIREMENT**

LA Sanitation, Wastewater Engineering Services Division (WESD) is charged with the task of evaluating the local sewer conditions and to determine if available wastewater capacity exists for future developments. The evaluation will determine cumulative sewer impacts and guide the planning process for any future sewer improvement projects needed to provide future capacity as the City grows and develops.

**Projected Wastewater Discharges for the Proposed Project:**

| Type Description       | Average Daily Flow per Type Description (GPD/UNIT) | Proposed No. of Units | Average Daily Flow (GPD) |
|------------------------|--|-----------------------|--------------------------|
| <i>Existing</i>        |  |                       |                          |
| Bar                    | 15 GPD/1Seat                                       | 283 Seats             | (4,245)                  |
| Retail                 | 25 GPD/1000 SQ.FT                                  | 4,211 SQ.FT           | (106)                    |
| Warehouse              | 30 GPD/1000 SQ.FT                                  | 11,620 SQ.FT          | (349)                    |
| Residential:SFD-2 BDRM | 185 GPD/1 DU                                       | 5 DU                  | (925)                    |

***zero waste • zero wasted water***

**AN EQUAL EMPLOYMENT OPPORTUNITY - AFFIRMATIVE ACTION EMPLOYER**

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|                           |                    |               |               |
|---------------------------|--------------------|---------------|---------------|
| Auto Parking              | 20 GPD/1000 SQ.FT  | 5,000 SQ.FT   | (100)         |
| <b>Proposed</b>           |                    |               |               |
| Restaurant – Full Service | 30 GPD/1 Seat      | 398 Seats     | 11,940        |
| Auto Parking              | 20 GPD/1000 SQ.FT  | 115,900 SQ.FT | 2,318         |
| Office Building           | 120 GPD/1000 SQ.FT | 109,190 SQ.FT | 13,103        |
| <b>Total</b>              |                    |               | <b>21,636</b> |

## SEWER AVAILABILITY

The sewer infrastructure in the vicinity of the proposed project includes an existing 10-inch line on Vine St. The sewage from the existing 10-inch line feeds into a 42-inch line on Vine St then into a 45- inch line on Willoughby Ave before discharging into a 45-inch sewer line on Detroit St. Figure 1 shows the details of the sewer system within the vicinity of the project. The current flow level (d/D) in the 10-inch line cannot be determined at this time without additional gauging.

The current approximate flow level (d/D) and the design capacities at d/D of 50% in the sewer system are as follows:

| Pipe Diameter (in) | Pipe Location  | Current Gauging d/D (%) | 50% Design Capacity |
|--------------------|----------------|-------------------------|---------------------|
| 10                 | Vine St.       | *                       | 920,390 GPD         |
| 18                 | Vine St.       | 28                      | 766,678 GPD         |
| 42                 | Vine St.       | 24                      | 21.35 MGD           |
| 45                 | Willoughby Ave | 42                      | 24.88 MGD           |
| 45                 | Detroit St.    | 21                      | 31.00 MGD           |

\* No gauging available

Based on estimated flows, it appears the sewer system might be able to accommodate the total flow for your proposed project. Further detailed gauging and evaluation will be needed as part of the permit process to identify a specific sewer connection point. If the public sewer lacks sufficient capacity, then the developer will be required to build sewer lines to a point in the sewer system with sufficient capacity. A final approval for sewer capacity and connection permit will be made at the time. Ultimately, this sewage flow will be conveyed to the Hyperion Water Reclamation Plant, which has sufficient capacity for the project.

All sanitary wastewater ejectors and fire tank overflow ejectors shall be designed, operated, and maintained as separate systems. All sanitary wastewater ejectors with ejection rates greater than 30 GPM shall be reviewed and must be approved by LASAN WESD staff prior to other City plan check approvals. Lateral connection of development shall adhere to Bureau of Engineering Sewer Design Manual Section F 480.

If you have any questions, please call Christopher DeMonbrun at (323) 342-1567 or email at [chris.demonbrun@lacity.org](mailto:chris.demonbrun@lacity.org).

## **STORMWATER REQUIREMENTS**

LA Sanitation, Stormwater Program is charged with the task of ensuring the implementation of the Municipal Stormwater Permit requirements within the City of Los Angeles. We anticipate the following requirements would apply for this project.

## **POST-CONSTRUCTION MITIGATION REQUIREMENTS**

In accordance with the Municipal Separate Storm Sewer (MS4) National Pollutant Discharge Elimination System (NPDES) Permit (Order No. R4-2012-0175, NPDES No. CAS004001) and the City of Los Angeles Stormwater and Urban Runoff Pollution Control requirements (Chapter VI, Article 4.4, of the Los Angeles Municipal Code), the Project shall comply with all mandatory provisions to the Stormwater Pollution Control Measures for Development Planning (also known as Low Impact Development [LID] Ordinance). Prior to issuance of grading or building permits, the applicant shall submit a LID Plan to the City of Los Angeles, Public Works, LA Sanitation, Stormwater Program for review and approval. The LID Plan shall be prepared consistent with the requirements of the Planning and Land Development Handbook for Low Impact Development.

Current regulations prioritize infiltration, capture/use, and then biofiltration as the preferred stormwater control measures. The relevant documents can be found at: [www.lacitysan.org](http://www.lacitysan.org). It is advised that input regarding LID requirements be received in the preliminary design phases of the project from plan-checking staff. Additional information regarding LID requirements can be found at: [www.lacitysan.org](http://www.lacitysan.org) or by visiting the stormwater public counter at 201 N. Figueroa, 2<sup>nd</sup> Fl, Suite 280.

## GREEN STREETS

The City is developing a Green Street Initiative that will require projects to implement Green Street elements in the parkway areas between the roadway and sidewalk of the public right-of-way to capture and retain stormwater and urban runoff to mitigate the impact of stormwater runoff and other environmental concerns. The goals of the Green Street elements are to improve the water quality of stormwater runoff, recharge local groundwater basins, improve air quality, reduce the heat island effect of street pavement, enhance pedestrian use of sidewalks, and encourage alternate means of transportation. The Green Street elements may include infiltration systems, biofiltration swales, and permeable pavements where stormwater can be easily directed from the streets into the parkways and can be implemented in conjunction with the LID requirements. Green Street standard plans can be found at: [www.eng2.lacity.org/techdocs/stdplans/](http://www.eng2.lacity.org/techdocs/stdplans/)

## CONSTRUCTION REQUIREMENTS

All construction sites are required to implement a minimum set of BMPs for erosion control, sediment control, non-stormwater management, and waste management. In addition, construction sites with active grading permits are required to prepare and implement a Wet Weather Erosion Control Plan during the rainy season between October 1 and April 15. Construction sites that disturb more than one-acre of land are subject to the NPDES Construction General Permit issued by the State of California, and are required to prepare, submit, and implement the Storm Water Pollution Prevention Plan (SWPPP).

If there are questions regarding the stormwater requirements, please call WPP's plan-checking counter at (213) 482-7066. WPD's plan-checking counter can also be visited at 201 N. Figueroa, 2<sup>nd</sup> Fl, Suite 280.

## **GROUNDWATER DEWATERING REUSE OPTIONS**

The Los Angeles Department of Water and Power (LADWP) is charged with the task of supplying water and power to the residents and businesses in the City of Los Angeles. One of the sources of water includes groundwater. The majority of groundwater in the City of Los Angeles is adjudicated, and the rights of which are owned and managed by various parties. Extraction of groundwater within

the City from any depth by law requires metering and regular reporting to the appropriate Court-appointed Watermaster. LADWP facilitates this reporting process, and may assess and collect associated fees for the usage of the City's water rights. The party performing the dewatering should inform the property owners about the reporting requirement and associated usage fees.

On April 22, 2016 the City of Los Angeles Council passed Ordinance 184248 amending the City of Los Angeles Building Code, requiring developers to consider beneficial reuse of groundwater as a conservation measure and alternative to the common practice of discharging groundwater to the storm drain (SEC. 99.04.305.4). It reads as follows: "Where groundwater is being extracted and discharged, a system for onsite reuse of the groundwater, shall be developed and constructed. Alternatively, the groundwater may be discharged to the sewer."

Groundwater may be beneficially used as landscape irrigation, cooling tower make-up, and construction (dust control, concrete mixing, soil compaction, etc.). Different applications may require various levels of treatment ranging from chemical additives to filtration systems. When onsite reuse is not available the groundwater may be discharged to the sewer system. This allows the water to be potentially reused as recycled water once it has been treated at a water reclamation plant. If groundwater is discharged into the storm drain it offers no potential for reuse. The onsite beneficial reuse of groundwater can reduce or eliminate costs associated with sewer and storm drain permitting and monitoring. Opting for onsite reuse or discharge to the sewer system are the preferred methods for disposing of groundwater.

To help offset costs of water conservation and reuse systems, LADWP offers a Technical Assistance Program (TAP), which provides engineering and technical assistance for qualified projects. Financial incentives are also available. Currently, LADWP provides an incentive of \$1.75 for every 1,000 gallons of water saved during the first two years of a five-year conservation project. Conservation projects that last 10 years are eligible to receive the incentive during the first four years. Other water conservation assistance programs may be available from the Metropolitan Water District of Southern California. To learn more about available water conservation assistance programs, please contact LADWP Rebate Programs 1-888-376-3314 and LADWP TAP 1-800-544-4498, selection "3".

For more information related to beneficial reuse of groundwater, please contact Greg Reed, Manager of Water Rights and Groundwater Management, at (213)367-2117 or [greg.reed@ladwp.com](mailto:greg.reed@ladwp.com).

**SOLID RESOURCE REQUIREMENTS**

The City has a standard requirement that applies to all proposed residential developments of four or more units or where the addition of floor areas is 25 percent or more, and all other development projects where the addition of floor area is 30 percent or more. Such developments must set aside a recycling area or room for onsite recycling activities. For more details of this requirement, please contact LA Sanitation Solid Resources Recycling hotline 213-922-8300.

Sincerely,

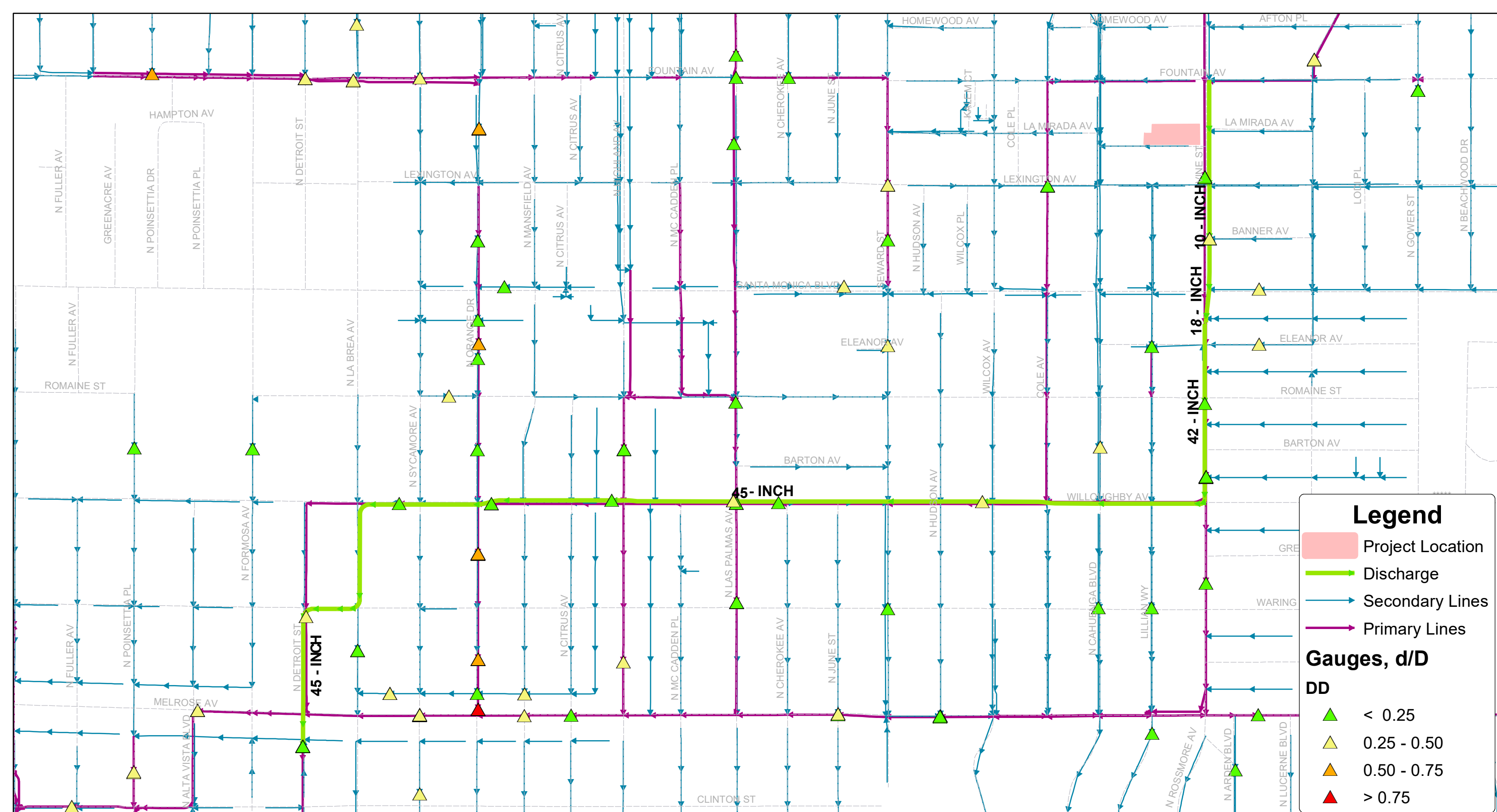


Ali Poosti, Division Manager  
Wastewater Engineering Services Division  
LA Sanitation and Environment

AP/CD: sa

Attachment: Figure 1 - Sewer Map

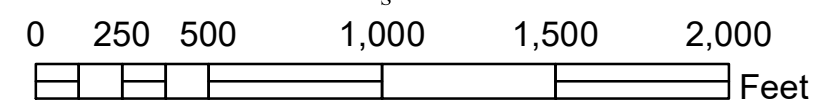
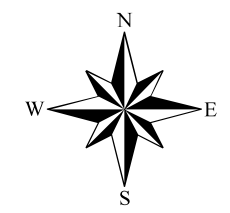
c: Shahram Kharaghani, LASAN  
Michael Scaduto, LASAN  
Wing Tam, LASAN  
Christopher DeMonbrun, LASAN



Wastewater Engineering Services Division  
 Bureau of Sanitation  
 City of Los Angeles



**Figure 1**  
**1235 Vine Street**  
**Sewer Map**



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