

Appendix M
**Sewer and Wastewater
Capacity Letters**

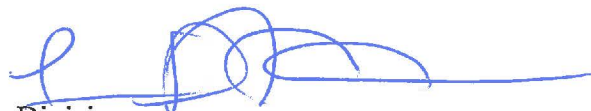
CITY OF LOS ANGELES
INTER-DEPARTMENTAL CORRESPONDENCE

DATE: September 19, 2019

TO: Vincent P. Bertoni, Director of Planning
Department of City Planning

Attn: Alejandro A. Huerta, City Planner
Department of City Planning

FROM: *for* Ali Poosti, Division Manager
Wastewater Engineering Services Division
LA Sanitation and Environment



**SUBJECT: KAISER PERMANENTE LOS ANGELES MEDICAL CENTER PROJECT
- NOTICE OF PREPARATION OF ENVIRONMENTAL IMPACT
REPORT AND PUBLIC SCOPING MEETING**

This is in response to your September 17, 2017 letter requesting a review of the proposed Medical Center project located at 1317,1321,1329, & 1345 N Vermont Ave; 1328 N New Hampshire Ave; 4760 Sunset Blvd; 1505 N Edgemont St; 1526 N Edgemont St; 1517 N Vermont Ave; 1430 & 1424 N Alexandria Ave, Los Angeles, CA 90027. The project will consist of medical office building, procedure center, and hospital additions. 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> | | | |
| Medical Office Building | 225 GPD/1000 SQ.FT | 219,112 SQ.FT | (49,300) |
| Residential: APT- 1 BDRM | 110 GPD/ DU | 5 DU | (550) |
| Commercial | 50 GPD/1000 SQ.FT | 12,926 SQ.FT | (646) |
| <i>Proposed (Option A)</i> | | | |
| Medical Office Building | 225 GPD/1000 SQ.FT | 398,800 SQ.FT | 89,730 |
| Commercial | 50 GPD/1000 SQ.FT | 2,300 SQ.FT | 115 |
| Total | | | 39,348 GPD |

| Proposed (Option B) | | | |
|----------------------------|--------------------|---------------|-------------------|
| Medical Office Building | 225 GPD/1000 SQ.FT | 430,800 SQ.FT | 96,930 |
| Commercial | 50 GPD/1000 SQ.FT | 2,300 SQ.FT | 115 |
| Total | | | 46,548 GPD |

SEWER AVAILABILITY

The sewer infrastructure in the vicinity of the proposed project includes a total of six existing 8-inch lines for the six sites of the project.

Site #1a & 1b (1317, 1321, 1329 & 1345 N Vermont Ave & 1328 N New Hampshire Ave):

The sewer infrastructure in the vicinity of the proposed project includes two existing 8-inch lines on 1317 N Vermont Ave and on 1328 N New Hampshire Ave. The two existing 8-inch lines meet on the 33-inch line on Normandie Ave before discharging into a 42-inch line on Norton Ave. Figures (1a) & (1b) show the details of the sewer system within the vicinity of the site. The current flow level (d/D) in the 8-inch lines 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 |
|--------------------|--------------------|-------------------------|---------------------|
| 8 | Vermont Ave. | * | 507,627 GPD |
| 8 | New Hampshire Ave. | * | 615,337 GPD |
| 33 | Normandie Ave. | 25 | 11.55 MGD |
| 42 | Norton Ave. | 11 | 27.34 MGD |

* No gauging available

Site #2 (4760 Sunset Blvd): The sewer infrastructure in the vicinity of the proposed project includes an existing 8-inch line on Sunset Blvd. The sewage from the existing 8-inch line on Sunset Blvd feeds into a 33-inch line on Vine St before discharging into a 45-inch sewer line on Willoughby Ave. Figure 2 shows the details of the sewer system within the vicinity of the site. The current flow level (d/D) in the 8-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 |
|--------------------|-----------------|-------------------------|---------------------|
| 8 | Sunset Blvd. | * | 475,534 GPD |
| 18 | Sunset Blvd. | 37 | 2.27 MGD |
| 33 | Vine St. | 21 | 21.11 MGD |
| 45 | Willoughby Ave. | 41 | 24.88 MGD |

* No gauging available

Site #3 & #4 (1505 & 1526 N Edgemont St): The sewer infrastructure in the vicinity of the proposed project includes an existing 8-inch line on Edgemont St. The sewage from the existing 8-inch line on Edgemont St feeds into a 33-inch line on Vine St before discharging into a 45-inch sewer line on Willoughby Ave. Figures 3 & 4 show the details of the sewer system within the vicinity of the site. The current flow level (d/D) in the 8-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 |
|--------------------|-----------------|-------------------------|---------------------|
| 8 | Edgemont St. | * | 664,640 GPD |
| 18 | Sunset Blvd. | 37 | 2.27 MGD |
| 33 | Vine St. | 21 | 21.11 MGD |
| 45 | Willoughby Ave. | 41 | 24.88 MGD |

* No gauging available

Site #5 (1517 N Vermont Ave): The sewer infrastructure in the vicinity of the proposed project includes an existing 8-inch line on Vermont Ave. The sewage from the existing 8-inch line feeds into a 33-inch line on Normandie Ave before discharging into a 42-inch sewer line on Norton Ave. Figure 5 shows the details of the sewer system within the vicinity of the project. The current flow level (d/D) in the 8-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 |
|--------------------|----------------|-------------------------|---------------------|
| 8 | Vermont Ave. | * | 593,587 GPD |
| 18 | Vermont Ave. | 18 | 11.79 MGD |
| 33 | Normandie Ave. | 25 | 11.55 MGD |
| 42 | Norton Ave. | 11 | 27.34 MGD |

* No gauging available

Site #6 (1430 & 1424 N Alexandria Ave): The sewer infrastructure in the vicinity of the proposed project includes an existing 8-inch line on Alexandria Ave. The sewage from the existing 8-inch line feeds into a 33-inch line on Normandie Ave before discharging into a 42-inch line on Norton Ave. Figure 6 shows the details of the sewer system within the vicinity of the project. The current flow level (d/D) in the 8-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 |
|--------------------|-----------------|-------------------------|---------------------|
| 8 | Alexandria Ave. | * | 486,467 GPD |

| | | | |
|----|----------------|----|-----------|
| 33 | Normandie Ave. | 25 | 11.55 MGD |
| 42 | Norton Ave. | 11 | 27.34 MGD |

* No gauging available

Based on the 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 has insufficient capacity, then the developer will be required to build sewer lines to a point in the sewer system with sufficient capacity. Any sewer ejector shall be reviewed by LASAN staff prior to City of Los Angeles Department of Building and Safety (LADBS) approval. A final approval for sewer capacity and connection permit will be made at that time. Ultimately, this sewage flow will be conveyed to the Hyperion Water Reclamation Plant, which has sufficient capacity for the project.

If you have any questions, please call Christopher DeMonbrun at (323) 342-1567 or email at 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. 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 or by visiting the stormwater public counter at 201 N. Figueroa, 2nd 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 ground water 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/

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, 2nd 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 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 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.

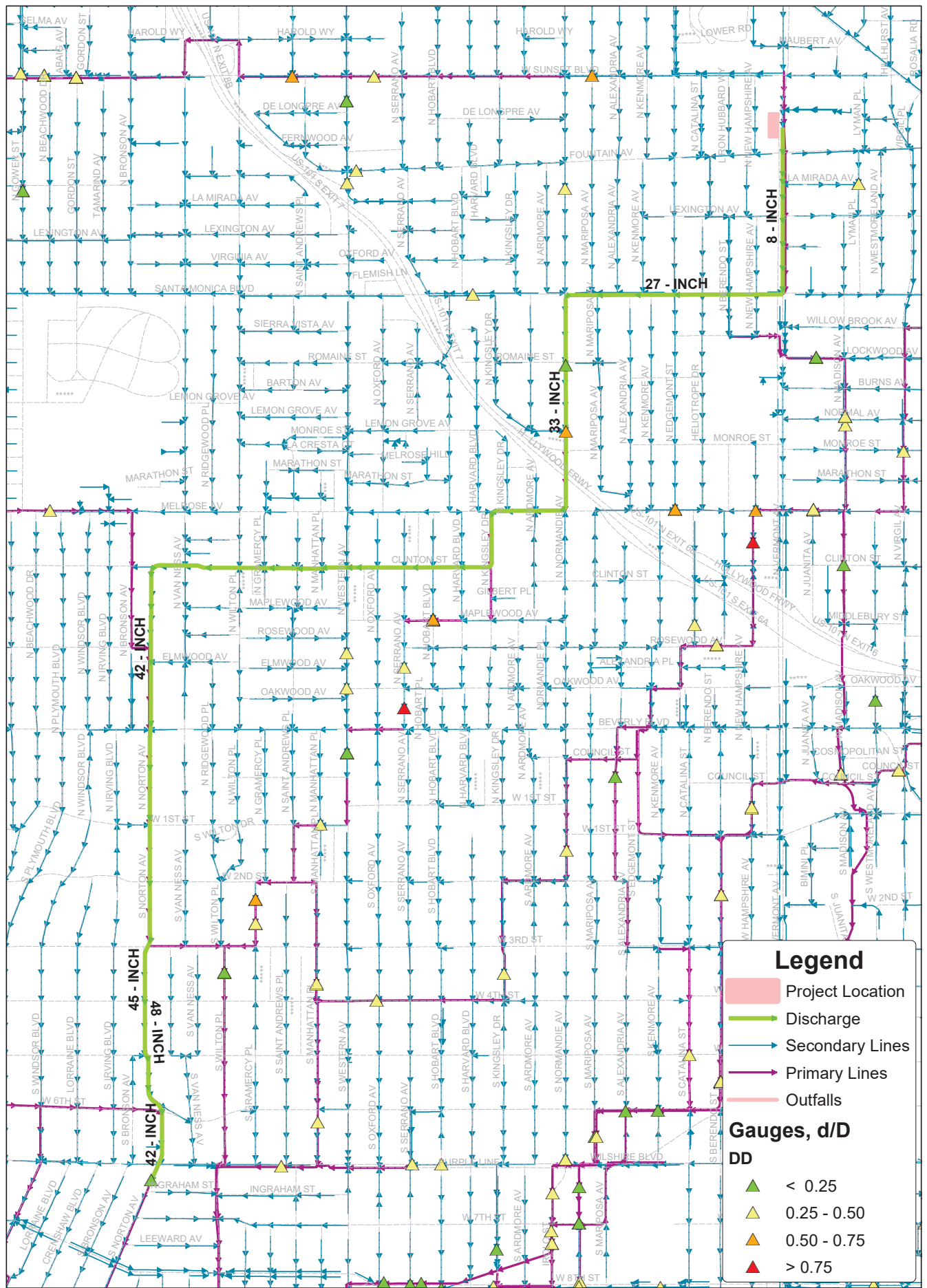
SOLID RESOURCE REQUIREMENTS

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.

CD/AP: sa

Attachment: Figure 1 - Sewer Map

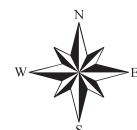
c: Kosta Kaporis, LASAN
Cyrus Gilani, LASAN
Christopher DeMonbrun, LASAN



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Bureau of Sanitation
City of Los Angeles

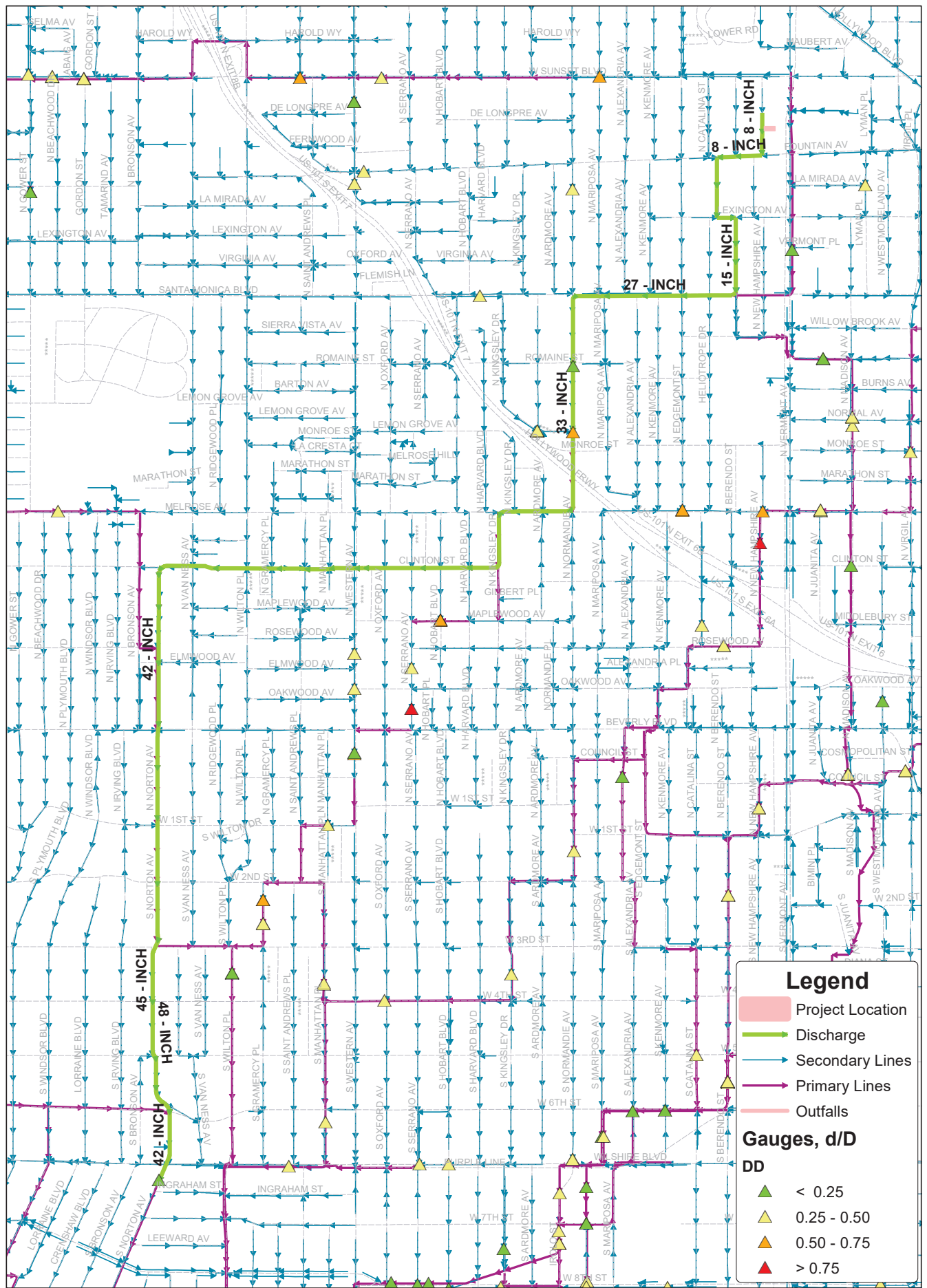


Figure 1a
1317&1345 N Vermont Ave
Sewer Map



0 312.5 25 1,250 1,875 2,500

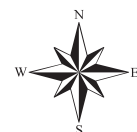
Feet



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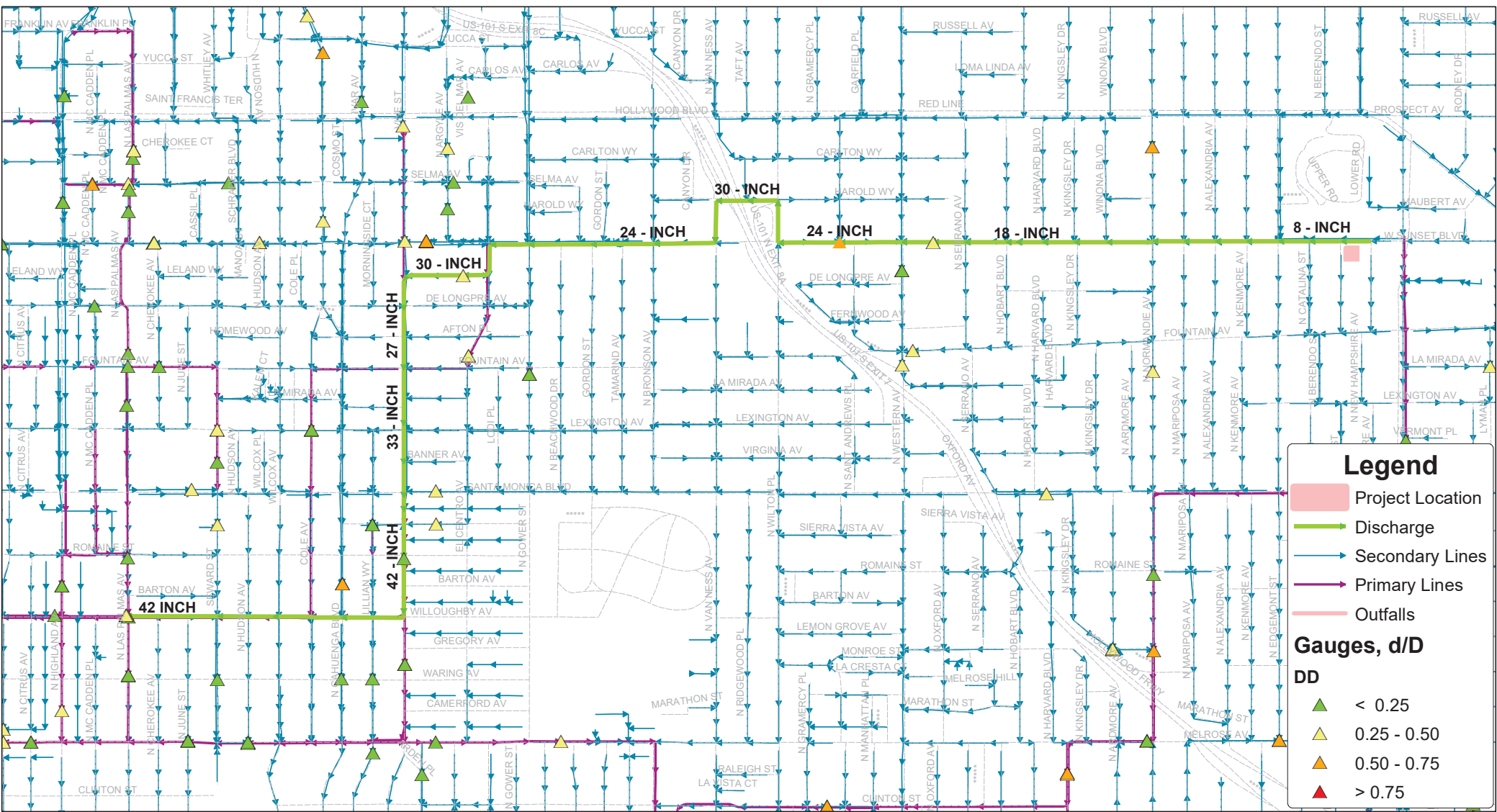


Figure 1b
1328 N New Hampshire Avenue
Sewer Map



0 312.525 1,250 1,875 2,500

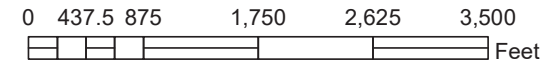
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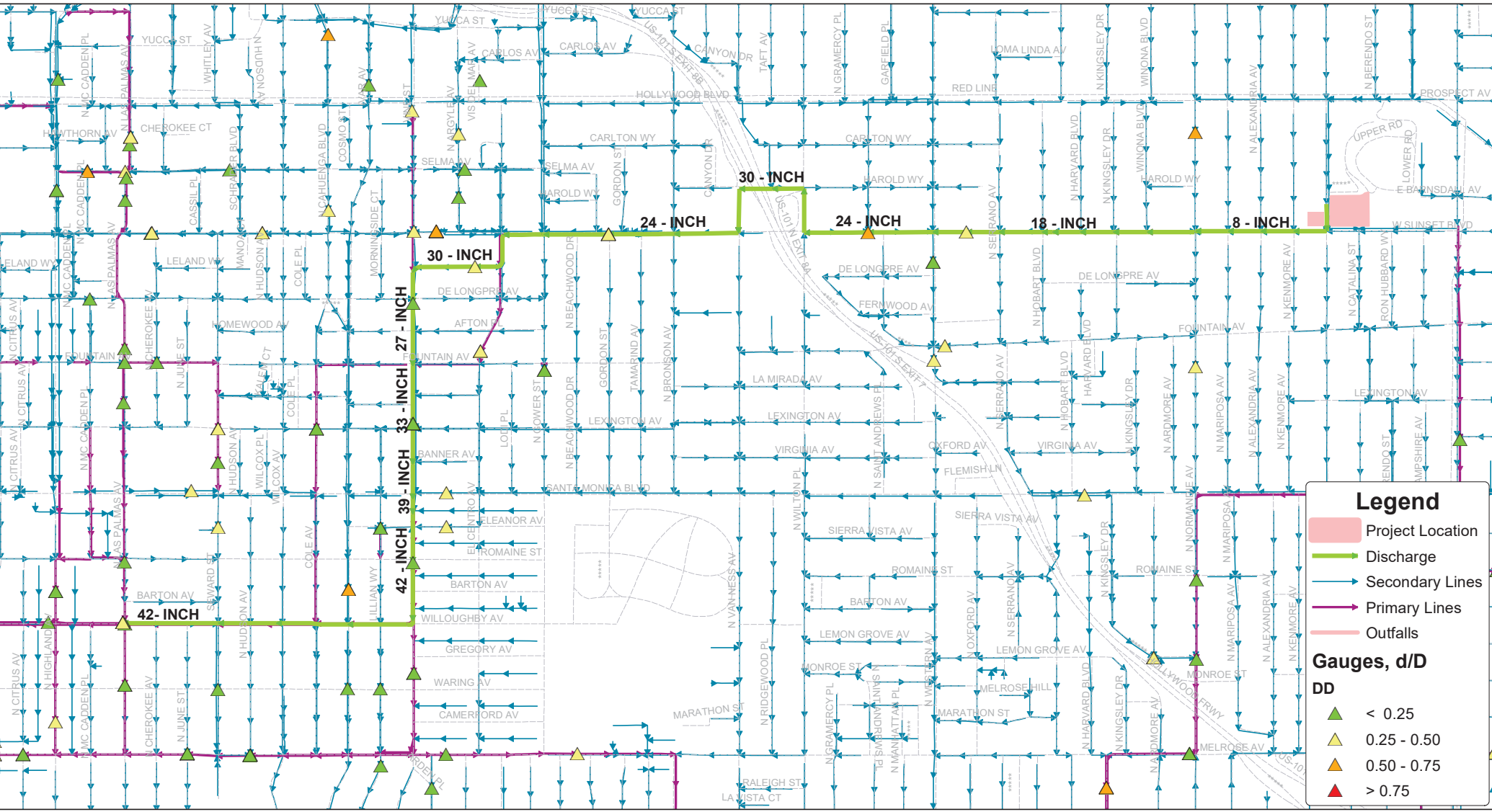


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Figure 2
4760 Sunset Boulevard
Sewer Map





Legend

- Project Location
- Discharge
- Secondary Lines
- Primary Lines
- Outfalls

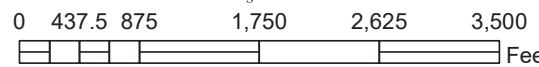
Gauges, d/DD

DD

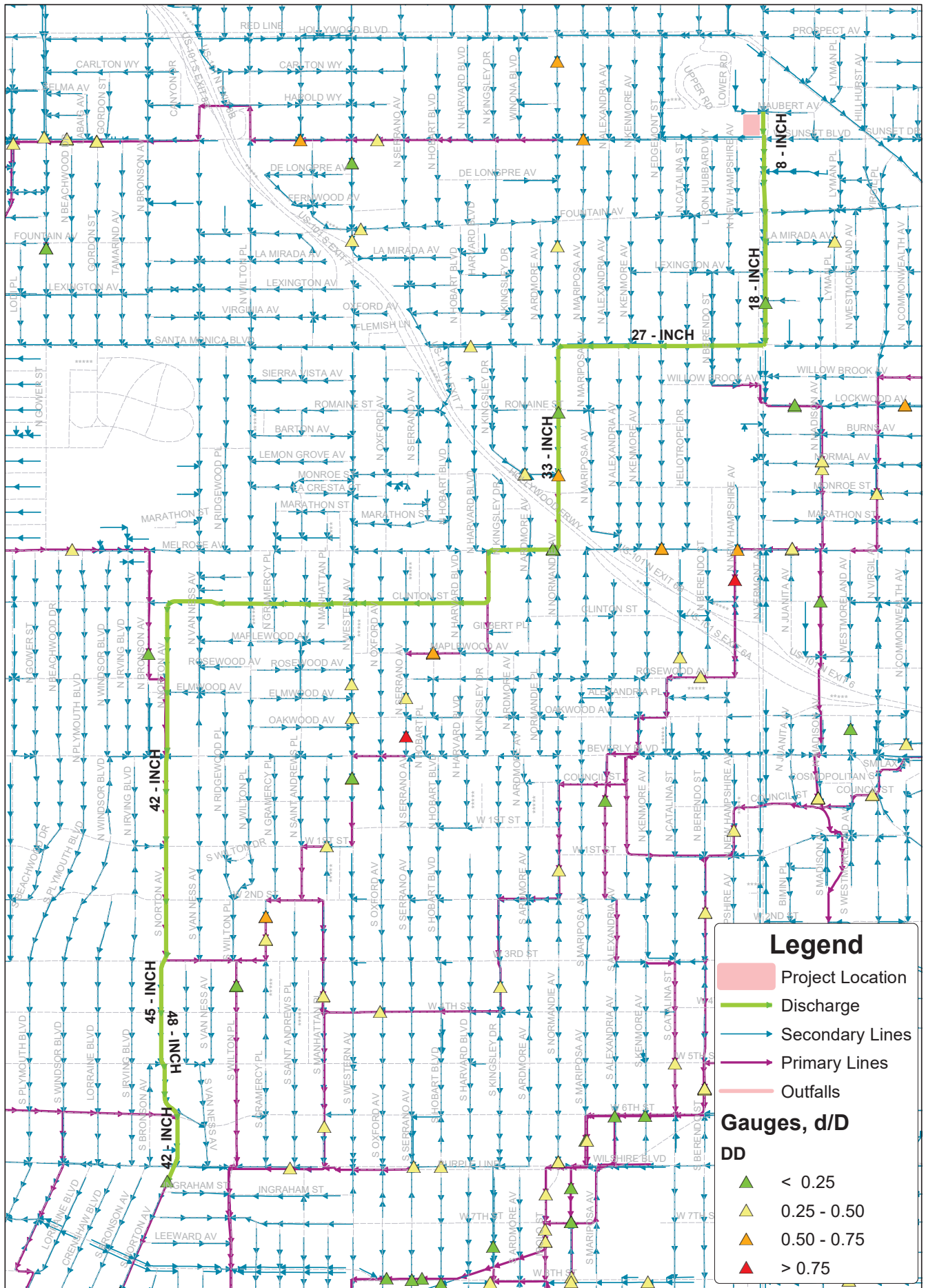
- ▲ < 0.25
- ▲ 0.25 - 0.50
- ▲ 0.50 - 0.75
- ▲ > 0.75

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Figure 3 & 4
1505 & 1526 N Edgemont St
Sewer Map



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Figure 5
1517 N Vermont Ave
Sewer Map

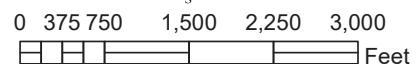
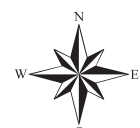
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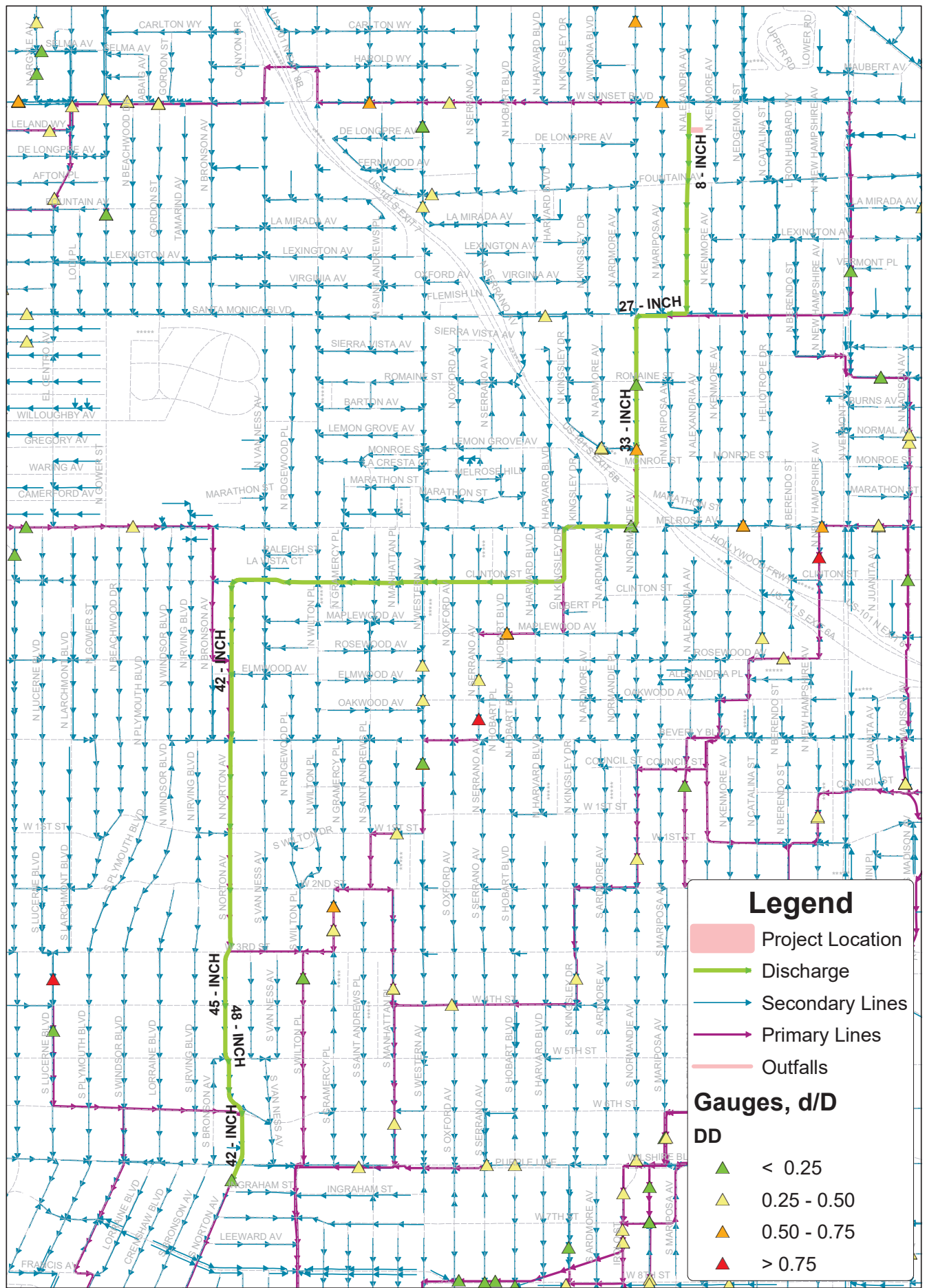
- Project Location
- Discharge
- Secondary Lines
- Primary Lines
- Outfalls

Gauges, d/D

DD

- < 0.25
- 0.25 - 0.50
- 0.50 - 0.75
- > 0.75

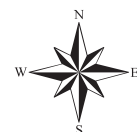




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Figure 6
1430 & 1424 N Alexandria Ave
Sewer Map



0 375 750 1,500 2,250 3,000
Feet