

Appendix 4.19-1

Wastewater Civil Technical Memorandum

WASTEWATER CIVIL TECHNICAL MEMORANDUM

Date: June 5, 2024

To: Trojan Storage

From: Kimley-Horn and Associates, Inc.

CC: Mr. Ingo Giani

Subject: 7528 North Bellaire Avenue – Wastewater Civil Technical Memorandum

Introduction

The Project site is comprised of approximately 3.92-acre within one parcel (A.P.N. 2305-024.030) at the northeastern corner of Saticoy Street at North Bellaire Avenue intersection, at 7528 North Bellaire Avenue, Sun Valley – La Tula Canyon Community, City of Los Angeles. The project site is vacant/unimproved, except one vacant single-family residential dwelling occupying the site's southwest corner. The Project proposes to construct a mixed-use development comprised of two buildings with a total gross building area of 233,632 square feet (sf), with approximately 219,532 sf of self-storage space, a 700 sf office located within Building A1, approximately 13,400 sf of residential space and approximately 6,700 sf of parking.

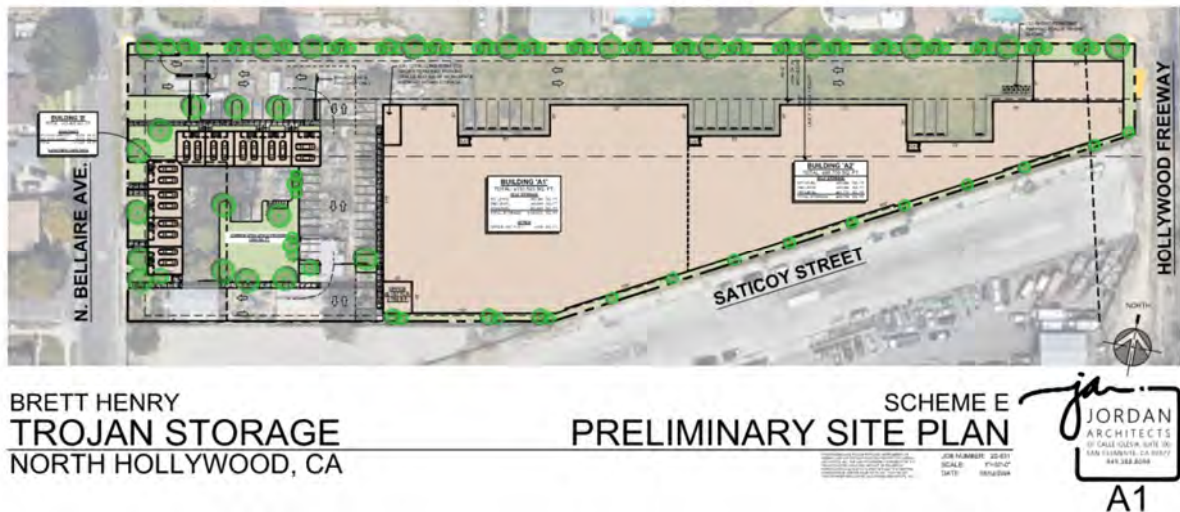


Figure 1: Preliminary Site Plan

Kimley-Horn and Associates, Inc. is providing this wastewater civil technical memorandum based on our review of the Preliminary Site Plan prepared by Jordan Architects and our understanding of the existing utilities surrounding the site. A summary of our water utility analysis for the proposed development is provided below.

Existing Improvements

Existing sewer lines adjacent to the Project site are maintained by City of Los Angeles. The existing sewer system adjacent to the project site is based on available record documents obtained from the City's online Geographic Information System (GIS), Navigate LA and is described further below:

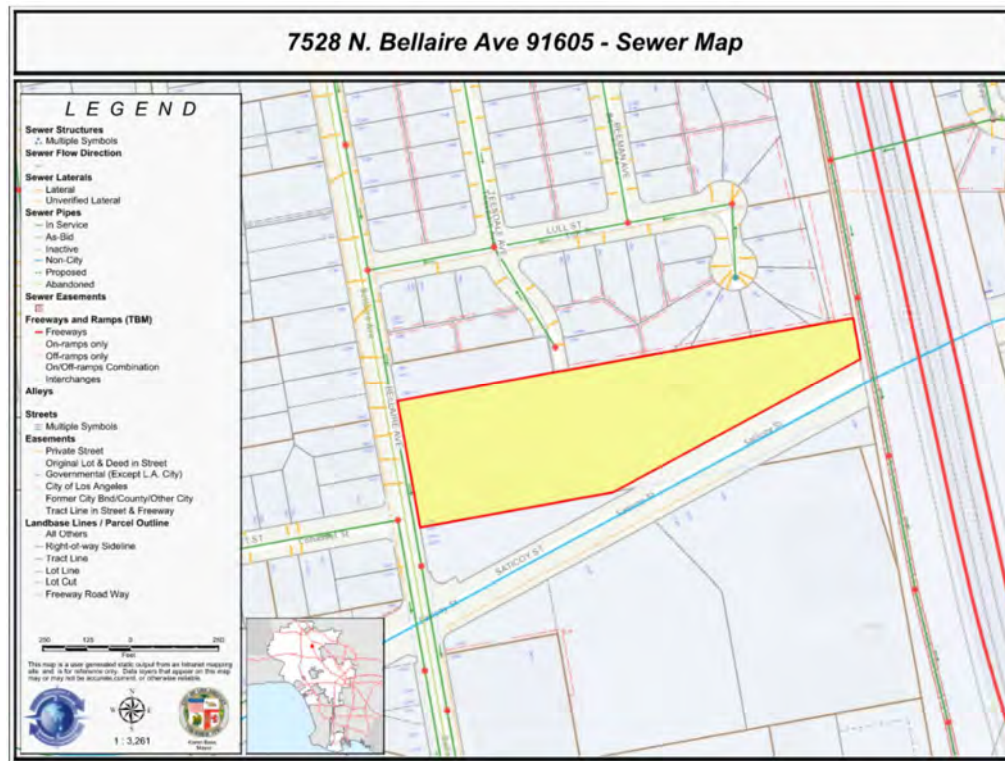


Figure 2: NavigateLA Sewer Map

- **Bellaire Avenue:** Along Bellaire Avenue, there are two Vitriified Clay Pipe (VCP) sewer lines with diameters of 8" and 10". The 10" sewer main lines is located approximately 14' east of the Bellaire centerline and has a slope of 1.08%, while the distance from centerline is unknown for the 8" sewer main. The 8" sewer main is located along the west side of the Bellaire Avenue centerline with a slope of 0.48%. Both sewer mains flow in the southern direction, past Saticoy Street.

Proposed Improvements

The following are based on Preliminary Site Plan prepared by Jordan Architects:

Proposed Project Development Programming: The project will develop or include the following:

- Self-Storage Space – 219,532 sf
- Office – 700 sf
- Residential – 13,400 sf
- Auto Parking – 6,700 sf

Proposed Sewer Demand:

Based on the above summary, the proposed project will generate 0.012 cfs (7,794 GPD) of additional sewer discharge to the existing 10" sewer line within Bellaire Avenue. Our detailed analysis based on the LA County wastewater generation factors is summarized in the tabulation provided below.

Table 1 – Estimated Wastewater Generation

Land Use	Units	Wastewater Generation Rate (GPD)	Total Wastewater Generation (GPD)	Peak Wastewater Generation (GPD)*
Existing Development				
Vacant Lot***	170,684sf	0 gal/sf	0	0
Total Existing Development Wastewater Generation			0	0
Proposed Development				
Residential: 1 BDRM	9 Dwelling Units	110/Dwelling Unit	990	2,475
Office	700 sf	120 gal/1,000 sf	84	210
Self-Storage	219,532 sf	30 gal/1,000 sf gross floor area	6,586	16,465
Auto Parking	6,700 sf	20 gal/1,000 sf	134	335
Total Proposed Development Wastewater Demand			7,794	19,485
Net Increase in Wastewater Demand (Proposed - Existing)			7,794	19,485

*Peak Wastewater Factor is 2.5 per LA County Sanitation District requirements.

Proposed Off-Site Improvements: There are no off-site improvements proposed for this project.

**Vacant Lot was determined to be zero due to the lot currently being vacant and undeveloped.

¹: Wastewater generation rates are based on City of Los Angeles Sewer Generation rates. Refer to Appendix 3 for City of Los Angeles Sewer Generation Rates.

Sewer Capacity Confirmation

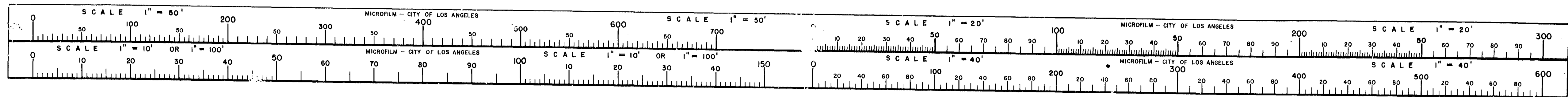
Kimley-Horn received the Wastewater Services Information (WWSI) letter request from the Bureau of Sanitation on May 28, 2024, for will serve confirmation, as well as sewer capacity availability. Based on information received within the WWSI letter, it was stated that it appears, the sewer system might be able to accommodate the total flow for the proposed project. Additionally, it was mentioned that

further detailed gauging and evaluation will be needed as part of the permit process to identify a specific sewer connection point. However, the 50% design capacity for the 10-inch sewer line along Bellaire is 670,441 GPD, while our project is anticipated to generate 19,485 GPD. This sewage flow will ultimately be conveyed to the Hyperion Water Reclamation Plant, which has sufficient capacity for the project. Refer to Appendix 4 for the WWSI letter.

Conclusion

The City has stated the sewer capacity might be able to accommodate for the project as the 10-inch sewer line within Bellaire Avenue, adjacent to the Project Site, will need additional gauging. However, it was stated the 10-inch sewer line within Bellaire Avenue feeds into a 15-inch sewer line starting at the Bellaire Avenue and Saticoy Street South intersection and extends into an 18-inch and 21-inch sewer line along Whitsett Avenue. The 18-inch and 21-inch sewer lines were gauged at 24% and 23% d/D, respectively. Lastly, if it is deemed that the public sewer lacks sufficient capacity, then the developer will be required to construct sewer lines to a point in the sewer system with sufficient capacity.

Appendix 1 – City of Los Angeles Sewer Substructure Map



INDEX TO SHEETS

Sheet No. 1 - TITLE SHEET

Sheet No. 2 - Line 1 - SATICOY STREET from Whitsett Ave. to 972 ft. West of Whitsett Ave.

Sheet No. 3 - " 1 - SATICOY STREET from 325 ft. E. of, to Bellaire Ave.

Sheet No. 4 - " 2 - BELLAIRE AVENUE from Lull St. to Saticoy St.

Sheet No. 5 - " 2 - Bellaire Ave. from Wixom St. to Lull St. (proposed)

Sheet No. 3 - " 3 - Bellaire Ave. from Saticoy St. to 155' S/O

NOTICE TO CONTRACTORS CONTINUED

STANDARD PLANS TO BE USED THIS PROJECT

M.H.B. Std. Plan No. B-2925

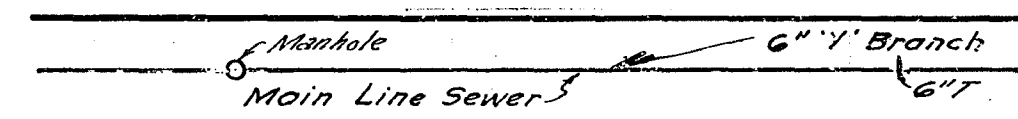
J.C.F. " " B-2999

D.M.H.S. " " B-2949

SPECIFICATIONS " " B-3221, B-3459, B-3495

M.H.F.C. " " B-2855

LEGEND



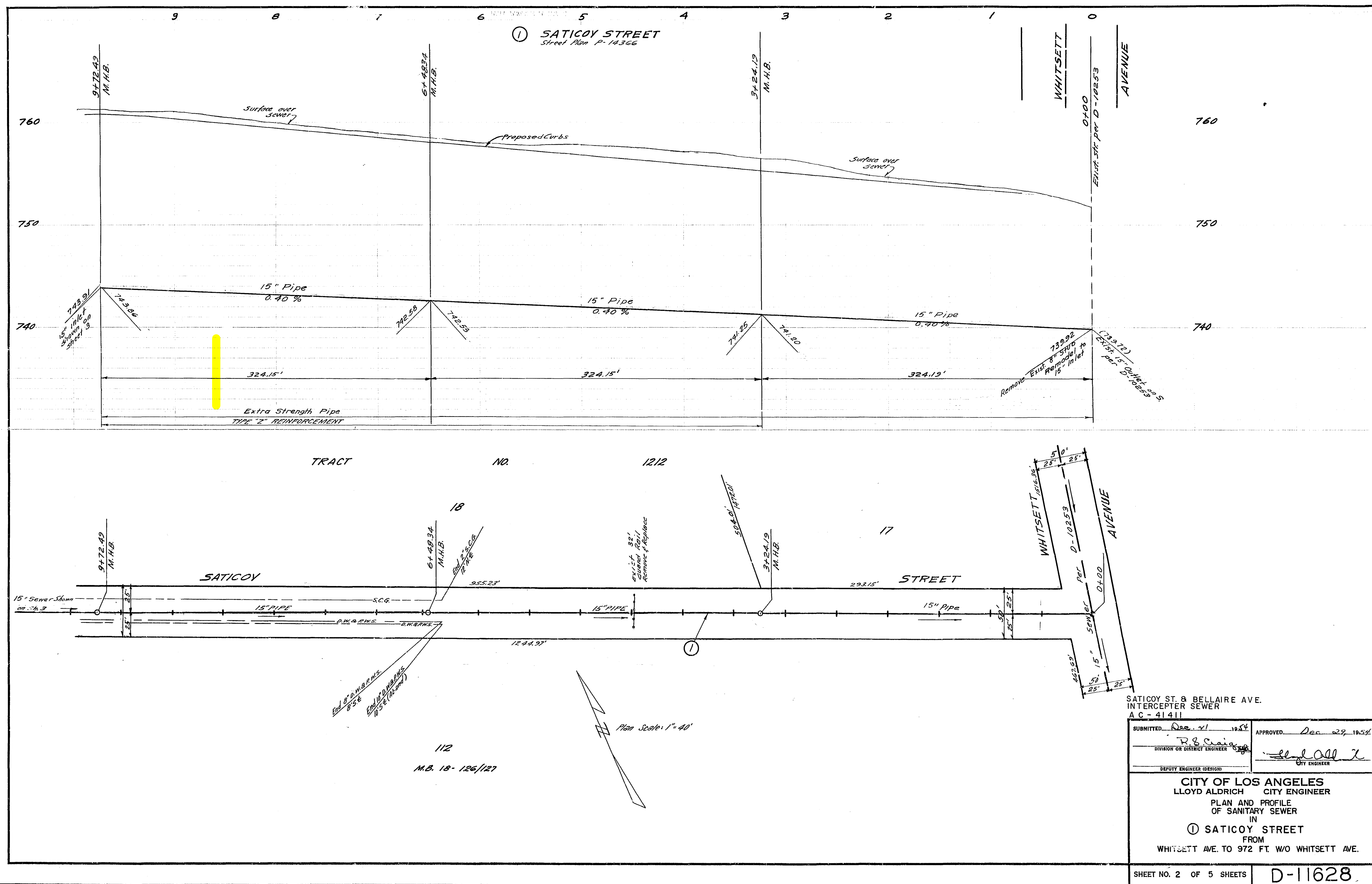
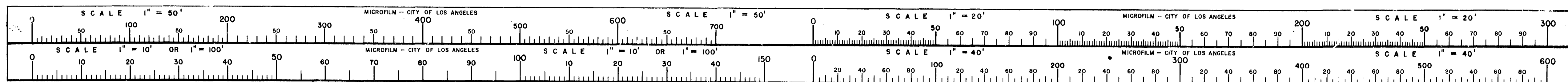
BENCH MARK: Std. Sur. Mon. on E. Sherman Way & Whitsett Ave.
Elev. 742.059 (1950 Adj.) C.E.T.B. 10685-32

RESURFACING SCHEDULE

LINE NO.	FROM STA.	TO STA.	LENGTH	CLASS
1	4781	12181	800'	RO-2
2	0+00	0+10	10'	AC-4
3	0+10	0+20	10'	AC-4
4	0+20	0+30	10'	AC-4
5	0+30	0+40	10'	AC-4
6	0+40	0+50	10'	AC-4
7	0+50	0+60	10'	AC-4
8	0+60	0+70	10'	AC-4
9	0+70	0+80	10'	AC-4
10	0+80	0+90	10'	AC-4
11	0+90	0+100	10'	AC-4
12	0+100	0+110	10'	AC-4
13	0+110	0+120	10'	AC-4
14	0+120	0+130	10'	AC-4
15	0+130	0+140	10'	AC-4
16	0+140	0+150	10'	AC-4
17	0+150	0+160	10'	AC-4
18	0+160	0+170	10'	AC-4
19	0+170	0+180	10'	AC-4
20	0+180	0+190	10'	AC-4
21	0+190	0+200	10'	AC-4
22	0+200	0+210	10'	AC-4
23	0+210	0+220	10'	AC-4
24	0+220	0+230	10'	AC-4
25	0+230	0+240	10'	AC-4
26	0+240	0+250	10'	AC-4
27	0+250	0+260	10'	AC-4
28	0+260	0+270	10'	AC-4
29	0+270	0+280	10'	AC-4
30	0+280	0+290	10'	AC-4
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33	0+310	0+320	10'	AC-4
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35	0+330	0+340	10'	AC-4
36	0+340	0+350	10'	AC-4
37	0+350	0+360	10'	AC-4
38	0+360	0+370	10'	AC-4
39	0+370	0+380	10'	AC-4
40	0+380	0+390	10'	AC-4
41	0+390	0+400	10'	AC-4
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234	0+2320	0+2330	10'	AC-4
235	0+2330	0+2340	10'	AC-4

D-11058

D-11058



D 1 1 6 2 8

CERTIFICATE
I hereby certify that this is a true and accurate copy of the official
city record described there, made in accordance with Section 431 of
the Charter of the City of Los Angeles, and Section 34070.5 of the
Government Code.
DATE 1-28-71
Rex E. Lamm, City Clerk
Deputy

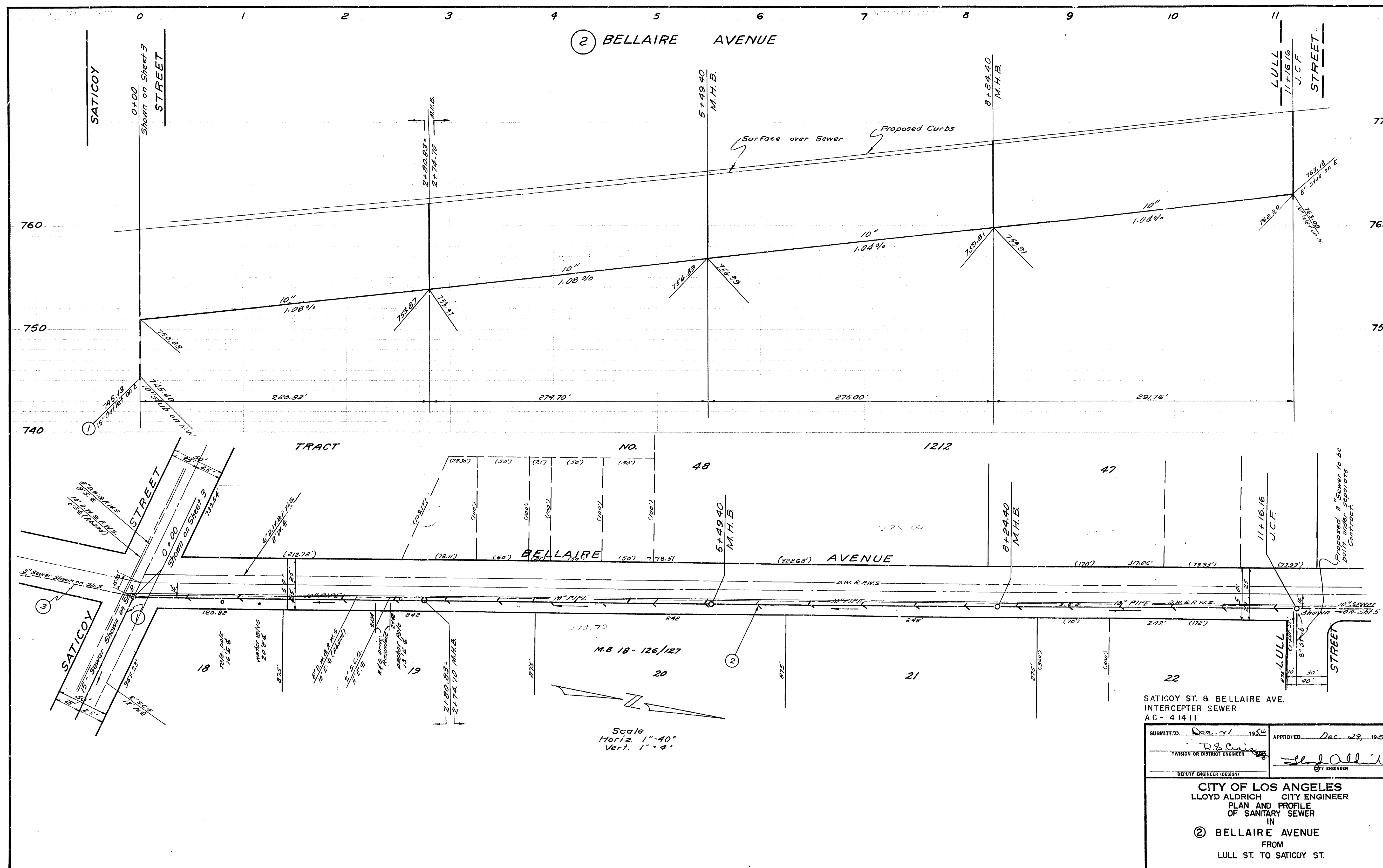
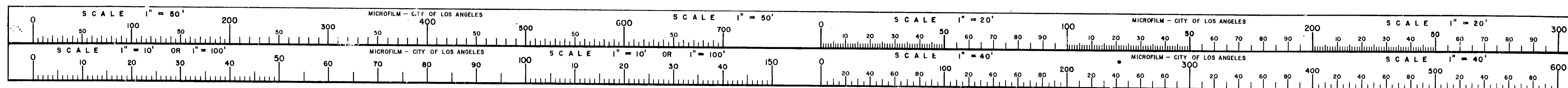


CERTIFICATE

I hereby certify that this is a true and accurate copy of the official city record described therein, made in accordance with Section 434, of the Charter of the City of Los Angeles, and Section 34092.5 of the Government Code.

DATE 1-28-71 REX E. JOHNSON, City Clerk
by [Signature] Deputy

D-11628



SATICOY ST. & BELLAIRE AVE.
INTERCEPTER SEWER
A.C. - 41411

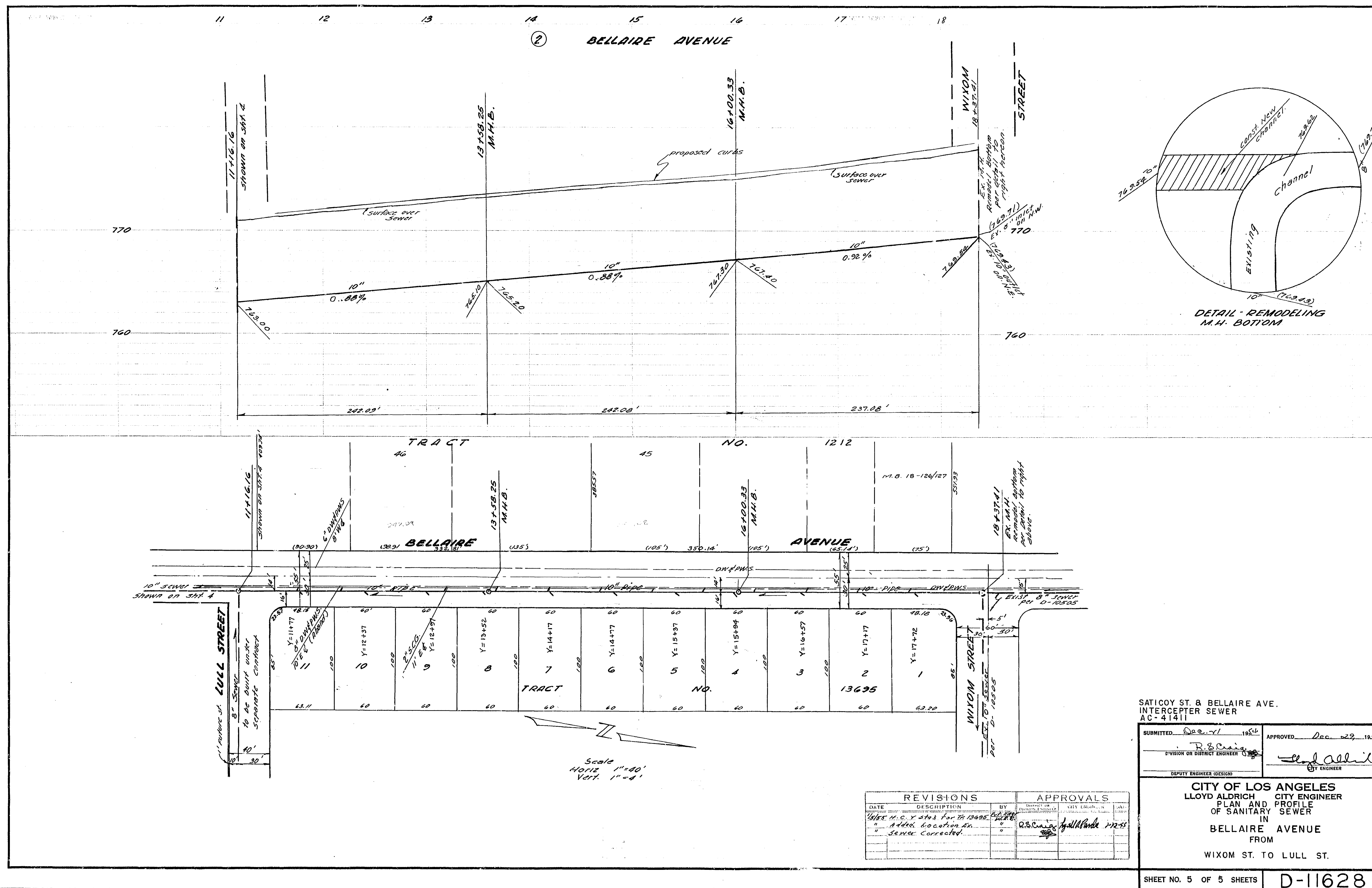
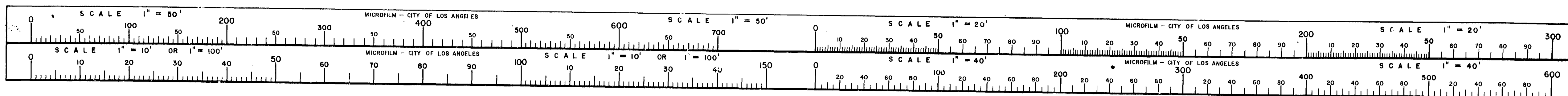
SUBMITTED: Dec. 21, 1954	APPROVED: Dec. 29, 1954
D. B. C. (City Engineer)	(Signature) (City Engineer)
CITY OF LOS ANGELES LLOYD ALDRICH CITY ENGINEER PLAN AND PROFILE OF SANITARY SEWER IN ② BELLAIRE AVENUE FROM LULL ST. TO SATICOY ST.	

SHEET NO. 4 OF 5 SHEETS D-11628

D11628

CERTIFICATE
I hereby certify that this is a true and accurate copy of the official
city record described there, made in accordance with Section 434 of
the Charter of the City of Los Angeles, and Section 34090.5 of the
Government Code.
DATE 1-28-71
BY (Signature) City Clerk
Deputy

D-11628



SUBMITTED Dec. 21, 1954		APPROVED Dec. 29, 1954	
DIVISION OR DISTRICT ENGINEER		CITY ENGINEER	
CITY OF LOS ANGELES LOYD ALDRICH, CITY ENGINEER PLAN AND PROFILE OF SANITARY SEWER IN BELLAIRE AVENUE FROM WIXOM ST. TO LULL ST.			
SHEET NO. 5 OF 5 SHEETS		D-11628	

REVISIONS			APPROVALS		
DATE	DESCRIPTION	BY	DATE	BY	DATE
10/15/54	U.C. Y 243 for 13498	R&C			
	Added location of				
	sewer corrected				

D 1 1 6 2 8

CERTIFICATE
I hereby certify that this is a true and accurate copy of the official
city record described there, made in accordance with Section 434, of
the Charter of the City of Los Angeles, and Section 34090.5 of the
Government Code.
DATE 1-28-71
BY [Signature] City Clerk

**Appendix 2 – City of Los Angeles Public Works
Bureau of Sanitation Wastewater Service
Information (WWSI) Results**

**BOARD OF PUBLIC WORK
MEMBERS**

AURA GARCIA
PRESIDENT

M. TERESA VILLEGAS
VICE PRESIDENT

DR. MICHAEL R. DAVIS
PRESIDENT PRO TEMPORE

VAHID KHORSAND
COMMISSIONER

SUSANA REYES
COMMISSIONER

TJ KNIGHT
EXECUTIVE DIRECTOR

**CITY OF LOS ANGELES
CALIFORNIA**



KAREN BASS
MAYOR

BUREAU OF SANITATION

BARBARA ROMERO
DIRECTOR AND GENERAL MANAGER

VACANT
CHIEF OPERATING OFFICER

SARAI BHAGA
CHIEF FINANCIAL OFFICER

JULIE ALLEN
NICOLE BERNSON
MAS DOJIRI
ALEXANDER E. HELOU
ROBERT POTTER
ASSISTANT DIRECTORS

HI SANG KIM
SUPERIOR EXECUTIVE PLANT MANAGER

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

May 13, 2024

Mr. Andrew Coleman, Civil Analyst
KIMLEY-HORN AND ASSOCIATES, INC
660 South Figueroa Street, Suite 2050
Los Angeles, CA 90017

Dear Mr. Coleman,

7528 BELLAIRE AVENUE - REQUEST FOR WASTEWATER SERVICE INFORMATION

This is in response to your May 4, 2024 letter requesting a review of your proposed mixed-use project located at 7528 Bellaire Ave, North Hollywood, CA 91605. The project will consist of nine residential units and self-storage space. 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 capacity 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>Proposed</i>			
Residential: 1-BDRM	110 GPD/1 DU	9 DU	990
Storage Space	30 GPD/1000 SQ.FT	219,532 SQ.FT	6,586
Office	120 GPD/1000 SQ.FT	700 SQ.FT	84

zero waste • zero wasted water

AN EQUAL EMPLOYMENT OPPORTUNITY - AFFIRMATIVE ACTION EMPLOYER

File Location: CEQA Review\FINAL CEQA Response LTRs\FINAL DRAFT\7528 Bellaire Avenue - Request for WWSI.docx

Auto Parking	20 GPD/1000 SQ.FT	6,700 SQ.FT	134
Total			7,794 GPD

SEWER AVAILABILITY

The sewer infrastructure in the vicinity of the proposed project includes an existing 10-inch line on Bellaire Ave. The sewage from the existing 10-inch line feeds into a 15-inch line on Whitsett Ave then into an 18-inch line before discharging into a 21-inch sewer line on Whitsett Ave. 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 and 15-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	Bellaire Ave.	*	670,441 GPD
15	Whitsett Ave.	*	1.73 MGD
18	Whitsett Ave.	24	2.92 MGD
21	Whitsett Ave.	23	4.25 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.

This response letter is not intended to address any potential utility conflicts associated with the wastewater or stormwater conveyance systems. Construction of any type near any wastewater or stormwater conveyance infrastructure in the public right of way, or in/near any conveyance easement must be evaluated separately.

If you have any questions, please call Than Win at (323) 342-6268 or email at than.win@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 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: <https://eng2.lacity.org/techdocs/stdplans/index.htm>

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.

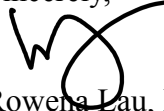
To help offset costs of water conservation and reuse systems, LADWP offers a Technical Assistance Program (TAP), which provides engineering and technical assistance for qualified projects. Financial incentives are also available. Currently, LADWP provides an incentive of \$1.75 for every 1,000 gallons 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.

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,



Rowena Lau, Division Manager
Wastewater Engineering Services Division
LA Sanitation and Environment

RL/TW: sa

Attachment: Figure 1 - Sewer Map

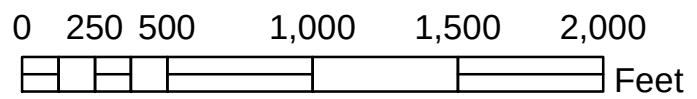
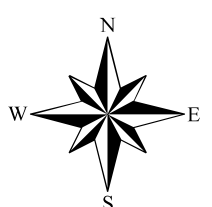
c: Julie Allen, LASAN
Michael Scaduto, LASAN
Spencer Yu, LASAN
Than Win, LASAN



Wastewater Engineering Services Division
Bureau of Sanitation
City of Los Angeles



Figure 1
7528 Bellaire Avenue
Sewer Map



Appendix 3 – City of Los Angeles Sewer Generation Table

**SEWERAGE FACILITIES CHARGE
SEWAGE GENERATION FACTOR FOR
RESIDENTIAL AND COMMERCIAL CATEGORIES**

EFFECTIVE DATE: April 6, 2012

<i>Line No.</i>	FACILITY DESCRIPTION	PROPOSED SGF IN GPD	BOD (mg/l)	SS (mg/l)
1	Acupuncture Office/Clinic	120/1,000 Gr SF	265	275
2	Arcade - Video Games	50/1,000 Gr SF	265	275
3	Auditorium (a)	3/Seat	265	275
4	Auto Parking (a)	20/1,000 Gr SF	265	275
5	Auto Mfg., Service Maintenance (b)	Actual	1,260	1,165
6	Bakery	280/1,000 Gr SF	3,020	2,540
7	Bank: Headquarters	120/1,000 Gr SF	265	275
8	Bank: Branch	50/1,000 Gr SF	265	275
9	Ballroom	350/1,000 Gr SF	265	275
10	Banquet Room	350/1,000 Gr SF	265	275
11	Bar: Cocktail, Fixed Set (a) (c)	15/Seat	265	275
12	Bar: Juice, No Baking Facilities (d)	720/1,000 Gr SF	265	275
13	Bar: Juice, with Baking Facilities (d)	720/1,000 Gr SF	265	275
14	Bar: Cocktail, Public Table Area (c)	720/1,000 Gr SF	265	275
15	Barber Shop	120/1,000 Gr SF	265	275
16	Barber Shop (s)	15/Stall	265	275
17	Beauty Parlor	425/1,000 Gr SF	265	275
18	Beauty Parlor (s)	50/Stall	265	275
19	Bldg. Const/Field Office (e)	120/Office	265	275
20	Bowling Alley: Alley, Lanes & Lobby Area	50/1,000 Gr SF	265	275
21	Bowling Facility: Arcade/Bar/Restaurant/Dancing	Total	Average	Average
22	Cafeteria: Fixed Seat	30/Seat	1,000	600
23	Car Wash: Automatic (b)	Actual	265	285
24	Car Wash: Coin Operated Bays (b)	Actual	265	285
25	Car Wash: Hand Wash (b)	Actual	265	285
26	Car Wash: Counter & Sales Area	50/1,000 Gr SF	265	275
27	Chapel: Fixed Seat	3/Seat	265	275
28	Chiropractic Office	120/1,000 Gr SF	265	275
29	Church: Fixed Seat	3/Seat	265	275
30	Church School: Day Care/Elem	9/Occupant	265	275
31	Church School: One Day Use (s)	9/Occupant	265	275
32	Cocktail Lounge: Fixed Seat (f)	15/Seat	265	275
33	Coffee House: No Food Preparation (d)	720/1,000 Gr SF	265	275
34	Coffee House: Pastry Baking Only (d)	720/1,000 Gr SF	265	275
35	Coffee House: Serves Prepared Food (d)	25/Seat	1,000	600
36	Cold Storage: No Sales (g)	30/1,000 Gr SF	265	275
37	Cold Storage: Retail Sales (g)	50/1,000 Gr SF	265	275
38	Comfort Station: Public	80/Fixture	265	275
39	Commercial Use (a)	50/1,000 Gr SF	265	275

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<i>Line No.</i>	FACILITY DESCRIPTION	PROPOSED SGF IN GPD	BOD (mg/l)	SS (mg/l)
40	Community Center	3/Occupant	265	275
41	Conference Room of Office Bldg.	120/1,000 Gr SF	265	275
42	Counseling Center (h)	120/1,000 Gr SF	265	275
43	Credit Union	120/1,000 Gr SF	265	275
44	Dairy	Average Flow	1,510	325
45	Dairy: Barn	Average Flow	1,510	325
46	Dairy: Retail Area	50/1,000 Gr SF	265	275
47	Dancing Area (of Bars or Nightclub) (c)	350/1,000 Gr SF	265	275
48	Dance Studio (i)	50/1,000 Gr SF	265	275
49	Dental Office/Clinic	250/1,000 Gr SF	265	275
50	Doughnut Shop	280/1,000 Gr SF	1,000	600
51	Drug Rehabilitation Center (h)	120/1,000 Gr SF	265	275
52	Equipment Booth	30/1,000 Gr SF	265	275
53	Film Processing (Retail)	50/1,000 Gr SF	265	275
54	Film Processing (Industrial)	Actual	265	275
55	Food Processing Plant (b)	Actual	2,210	1,450
56	Gas Station: Self Service	100/W.C.	265	275
57	Gas Station: Four Bays Max	430/Station	1,950	1,175
58	Golf Course Facility: Lobby/Office/Restaurant/Bar	Total	700	450
59	Gymnasium: Basketball, Volleyball (k)	200/1,000 Gr SF	265	275
60	Hanger (Aircraft)	50/1,000 Gr SF	265	275
61	Health Club/Spa (k)	650/1,000 Gr SF	265	275
62	Homeless Shelter	70/Bed	265	275
63	Hospital	70/Bed	820	1,230
64	Hospital: Convalescent (a)	70/Bed	265	275
65	Hospital: Animal	300/1,000 Gr SF	820	1,230
66	Hospital: Psychiatric	70/Bed	265	275
67	Hospital: Surgical (a)	360/Bed	265	275
68	Hotel: Use Guest Rooms Only (a)	120/Room	265	275
69	Jail	85/Inmate	265	275
70	Kennel: Dog Kennel/Open	100/1,000 Gr SF	265	275
71	Laboratory: Commercial	250/1,000 Gr SF	265	275
72	Laboratory: Industrial	Actual	265	275
73	Laundromat	185/Machine	550	370
74	Library: Public Area	50/1,000 Gr SF	265	275
75	Library: Stacks, Storage	30/1,000 Gr SF	265	275
76	Lobby of Retail Area (l)	50/1,000 Gr SF	265	275
77	Lodge Hall	3/Seat	265	275
78	Lounge (l)	50/1,000 Gr SF	265	275

**SEWERAGE FACILITIES CHARGE
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<i>Line No.</i>	FACILITY DESCRIPTION	PROPOSED SGF IN GPD	BOD (mg/l)	SS (mg/l)
79	Machine Shop (No Industrial Waste Permit Required) (b)	50/1,000 Gr SF	265	275
80	Machine Shop (Industrial)	Actual	265	275
81	Mfg or Industrial Facility (No IW Permit Required) (b)	50/1,000 Gr SF	265	275
82	Mfg or Industrial Facility (Industrial)	Actual	265	275
83	Massage Parlor	250/1,000 Gr SF	265	275
84	Medical Building (a)	225/1,000 Gr SF	265	275
85	Medical: Lab in Hospital	250/1,000 Gr SF	340	275
86	Medical Office/Clinic	250/1,000 Gr SF	265	275
87	Mini-Mall (No Food)	50/1,000 Gr SF	265	275
88	Mortuary: Chapel	3/Seat	265	275
89	Mortuary: Embalming	300/1,000 Gr SF	800	800
90	Mortuary: Living Area	50/1,000 Gr SF	265	275
91	Motel: Use Guest Room Only (a)	120/Room	265	275
92	Museum: All Area	30/1,000 Gr SF	265	275
93	Museum: Office Over 15%	120/1,000 Gr SF	265	275
94	Museum: Sales Area	50/1,000 Gr SF	265	275
95	Office Building (a)	120/1,000 Gr SF	265	275
96	Office Bldg w/Cooling Tower	170/1,000 Gr SF	265	275
97	Plating Plant (No IW Permit Required) (b)	50/1,000 Gr SF	265	275
98	Plating Plant (Industrial) (b)	Actual	265	275
99	Pool Hall (No Alcohol)	50/1,000 Gr SF	265	275
100	Post Office: Full Service (m)	120/1,000 Gr SF	265	275
101	Post Office: Private Mail Box Rental	50/1,000 Gr SF	265	275
102	Prisons	175/Inmate	265	275
103	Residential Dorm: College or Residential (n)	70/Student	265	275
104	Residential: Boarding House	70/Bed	265	275
105	Residential: Apt - Bachelor (a)	75/DU	265	275
106	Residential: Apt - 1 BDR (a) (o)	110/DU	265	275
107	Residential: Apt - 2 BDR (a) (o)	150/DU	265	275
108	Residential: Apt - 3 BDR (a) (o)	190/DU	265	275
109	Residential: Apt - >3 BDR (o)	40/BDR	265	275
110	Residential: Condo - 1 BDR (o)	110/DU	265	275
111	Residential: Condo - 2 BDR (o)	150/DU	265	275
112	Residential: Condo - 3 BDR (o)	190/DU	265	275
113	Residential: Condo - >3 BDR (o)	40/BDR	265	275
114	Residential: Duplex/Townhouse - 1 BR (o)	110/DU	265	275
115	Residential: Duplex/Townhouse - 2 BR (o)	150/DU	265	275
116	Residential: Duplex/Townhouse - 3 BR (o)	190/DU	265	275
117	Residential: Duplex/Townhouse - >3 BR (o)	40/BDR	265	275

**SEWERAGE FACILITIES CHARGE
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EFFECTIVE DATE: April 6, 2012

<i>Line No.</i>	FACILITY DESCRIPTION	PROPOSED SGF IN GPD	BOD (mg/l)	SS (mg/l)
118	Residential: SFD - 1 BR (o)	140/DU	265	275
119	Residential: SFD - 2 BR (o)	185/DU	265	275
120	Residential: SFD - 3 BR (o)	230/DU	265	275
121	Residential: SFD - >3 BR (o)	45/BDR	265	275
122	Residential Room Addition: Bedroom (o)	45/BDR	265	275
123	Residential Room Conversion: Into a Bedroom (o)	45/BDR	265	275
124	Residential: Mobile Home	Same as Apt	265	275
125	Residential: Artist (2/3 Area)	75/DU	265	275
126	Residential: Artist Residence	75/DU	265	275
127	Residential: Guest Home w/ Kitchen	Same as Apt	265	275
128	Residential: Guest Home w/o Kitchen	45/BDR	265	275
129	Rest Home	70/Bed	555	490
130	Restaurant: Drive-In	50/Stall	1000	600
131	Restaurant: Drive-In Seating Area	25/Seat	1000	600
132	Restaurant: Fast Food Indoor Seat	25/Seat	1000	600
133	Restaurant: Fast Food Outdoor Seat	25/Seat	1000	600
134	Restaurant: Full Service Indoor Seat (a)	30/Seat	1000	600
135	Restaurant: Full Service Outdoor Seat	30/Seat	1000	600
136	Restaurant: Take Out	300/1,000 Gr SF	1000	600
137	Retail Area (greater than 100,000 SF)	50/1,000 Gr SF	265	275
138	Retail Area (less than 100,000 SF)	25/1,000 Gr SF	265	275
139	Rifle Range: Shooting Stalls/Lanes, Lobby	50/1,000 Gr SF	265	275
140	Rifle Range Facility: Bar/Restaurant	Total	Average	Average
141	School: Arts/Dancing/Music (i)	11/Student	265	275
142	School: Elementary/Jr. High (a) (p)	9/Student	265	275
143	School: High School (a) (p)	11/Student	265	275
144	School: Kindergarten (s)	9/Student	265	275
145	School: Martial Arts (i)	9/Student	265	275
146	School: Nursery-Day Care (p)	9/Child	265	275
147	School: Special Class (p)	9/Student	265	275
148	School: Trade or Vocational (p)	11/Student	265	275
149	School: Training (p)	11/Student	265	275
150	School: University/College (a) (p)	16/Student	265	275
151	School: Dormitory (a) (n)	70/Student	265	275
152	School: Stadium, Pavilion	3/Seat	265	275
153	Spa/Jacuzzi (Commercial with backwash filters)	Total	265	275
154	Storage: Building/Warehouse	30/1,000 Gr SF	265	275
155	Storage: Self-Storage Bldg	30/1,000 Gr SF	265	275
156	Store: Ice Cream/Yogurt	25/1,000 Gr SF	1000	600

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157	Store: Retail (l)	50/1,000 Gr SF	265	275
158	Studio: Film/TV - Audience Viewing Room (q)	3/Seat	265	275
159	Studio: Film/TV - Regular Use Indoor Filming Area (q)	50/1,000 Gr SF	265	275
160	Studio: Film/TV - Ind. Use Film Process/Machine Shop (q)	50/1,000 Gr SF	265	275
161	Studio: Film/TV - Ind. Use Film Process/Machine Shop	Total	265	275
162	Studio: Recording	50/1,000 Gr SF	265	275
163	Swimming Pool (Commercial with backwash filters)	Total	265	275
164	Tanning Salon: Independent, No Shower (r)	50/1,000 Gr SF	265	275
165	Tanning Salon: Within a Health Spa/Club	640/1,000 Gr SF	265	275
166	Theater: Drive-In	6/Vehicle	265	275
167	Theater: Live/Music/Opera	3/Seat	265	275
168	Theater: Cinema	3/Seat	265	275
169	Tract: Commercial/Residential	1/Acre	265	275
170	Trailer: Const/Field Office (e)	120/Office	265	275
171	Veterinary Clinic/Office	250/1,000 Gr SF	265	275
172	Warehouse	30/1,000 Gr SF	265	275
173	Warehouse w/ Office	Total	265	275
174	Waste Dump: Recreational	400/Station	2650	2750
175	Wine Tasting Room: Kitchen	200/1,000 Gr SF	265	275
176	Wine Tasting Room: All Area	50/1,000 Gr SF	265	275

SEWERAGE FACILITIES CHARGE GUIDE
RESIDENTIAL AND COMMERCIAL CATEGORIES

(GR.SQ.FT.) = Gross Square Feet: area included within the exterior of the surrounding walls of a building excluding court.

EFFECTIVE DATE: April 6, 2012

<i>Line No.</i>	FACILITY DESCRIPTION	FEE RATE
1	Acupuncture Office/Clinic	\$495/1000 GR.SQ.FT.
2	Arcade - Video Games	\$206/1000 GR.SQ.FT.
3	Auditorium (a)	\$12/SEAT
4	Auto Parking (a)	\$83/1000 GR.SQ.FT.
5	Auto Mfg., Service Maintenance (b)	Actual
6	Bakery	\$2956/1000 GR.SQ.FT.
7	Bank: Headquarters	\$495/1000 GR.SQ.FT.
8	Bank: Branch	\$206/1000 GR.SQ.FT.
9	Ballroom	\$1445/1000 GR.SQ.FT.
10	Banquet Room	\$1445/1000 GR.SQ.FT.
11	Bar: Cocktail, Fixed Seat (a) (c)	\$62/SEAT
12	Bar: Juice, No Baking Facilities (d)	\$2973/1000 GR.SQ.FT.
13	Bar: Juice, with Baking Facilities (d)	\$2973/1000 GR.SQ.FT.
14	Bar: Cocktail, Public Table Area (c)	\$2973/1000 GR.SQ.FT.
15	Barber Shop	\$495/1000 GR.SQ.FT.
16	Barber Shop (s)	\$62/STALL.
17	Beauty Parlor	\$1755/1000 GR.SQ.FT.
18	Beauty Parlor (s)	\$206/STALL.
19	Bldg. Const/Field Office (e)	\$495/OFFICE
20	Bowling Alley: Alley, Lanes & Lobby Area	\$206/1000 GR.SQ.FT.
21	Bowling Facility: Arcade/Bar/Restaurant/Dancing	Total
22	Cafeteria: Fixed Seat	\$165/SEAT
23	Car Wash: Automatic (b)	Actual
24	Car Wash: Coin Operated Bays (b)	Actual
25	Car Wash: Hand Wash (b)	Actual
26	Car Wash: Counter & Sales Area	\$206/1000 GR.SQ.FT.
27	Chapel: Fixed Seat	\$12/SEAT
28	Chiropractic Office	\$495/1000 GR.SQ.FT.
29	Church: Fixed Seat	\$12/SEAT
30	Church School: Day Care/Elem	\$37/OCCUPANT
31	Church School: One Day Use (s)	\$37/OCCUPANT
32	Cocktail Lounge: Fixed Seat (f)	\$62/SEAT
33	Coffee House: No Food Preparation (d)	\$2973/1000 GR.SQ.FT.
34	Coffee House: Pastry Baking Only (d)	\$2973/1000 GR.SQ.FT.
35	Coffee House: Serves Prepared Food (d)	\$138/SEAT
36	Cold Storage: No Sales (g)	\$124/1000 GR.SQ.FT.
37	Cold Storage: Retail Sales (g)	\$206/1000 GR.SQ.FT.

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RESIDENTIAL AND COMMERCIAL CATEGORIES**

(GR.SQ.FT.) = Gross Square Feet: area included within the exterior of the surrounding walls of a building excluding court.

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38	Comfort Station: Public	\$330/FIXTURE
39	Commercial Use (a)	\$206/1000 GR.SQ.FT.
40	Community Center	\$12/OCCUPANT
41	Conference Room of Office Bldg.	\$495/1000 GR.SQ.FT.
42	Counseling Center (h)	\$495/1000 GR.SQ.FT.
43	Credit Union	\$495/1000 GR.SQ.FT.
44	Dairy	Average Flow
45	Dairy: Barn	Average Flow
46	Dairy: Retail Area	\$206/1000 GR.SQ.FT.
47	Dancing Area (of Bars or Nightclub) (c)	\$1445/1000 GR.SQ.FT.
48	Dance Studio (i)	\$206/1000 GR.SQ.FT.
49	Dental Office/Clinic	\$1032/1000 GR.SQ.FT.
50	Doughnut Shop	\$1540/1000 GR.SQ.FT.
51	Drug Rehabilitation Center (h)	\$495/1000 GR.SQ.FT.
52	Equipment Booth	\$124/1000 GR.SQ.FT.
53	Film Processing (Retail)	\$206/1000 GR.SQ.FT.
54	Film Processing (Industrial)	Actual
55	Food Processing Plant (b)	Actual
56	Gas Station: Self Service	\$413/W.C.
57	Gas Station: Four Bays Max	\$3211/STATION
58	Golf Course Facility: Lobby/Office/Restaurant/Bar	Total
59	Gymnasium: Basketball, Volleyball (k)	\$826/1000 GR.SQ.FT.
60	Hanger (Aircraft)	\$206/1000 GR.SQ.FT.
61	Health Club/Spa (k)	\$2684/1000 GR.SQ.FT.
62	Homeless Shelter	\$289/BED
63	Hospital	\$422/BED
64	Hospital: Convalescent (a)	\$289/BED
65	Hospital: Animal	\$1811/1000 GR.SQ.FT.
66	Hospital: Psychiatric	\$289/BED
67	Hospital: Surgical (a)	\$1486/BED
68	Hotel: Use Guest Rooms Only (a)	\$495/ROOM
69	Jail	\$351/INMATE
70	Kennel: Dog Kennel/Open	\$413/1000 GR.SQ.FT.
71	Laboratory: Commercial	\$1032/1000 GR.SQ.FT.
72	Laboratory: Industrial	Actual
73	Laundromat	\$855/MACHINE
74	Library: Public Area	\$206/1000 GR.SQ.FT.
75	Library: Stacks, Storage	\$124/1000 GR.SQ.FT.
76	Lobby of Retail Area (l)	\$206/1000 GR.SQ.FT.

**SEWERAGE FACILITIES CHARGE GUIDE
RESIDENTIAL AND COMMERCIAL CATEGORIES**

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EFFECTIVE DATE: April 6, 2012

77	Lodge Hall	\$12/SEAT
78	Lounge (l)	\$206/1000 GR.SQ.FT.
79	Machine Shop (No Industrial Waste Permit Required) (b)	\$206/1000 GR.SQ.FT.
80	Machine Shop (Industrial)	Actual
81	Mfg or Industrial Facility (No IW Permit Required) (b)	\$206/1000 GR.SQ.FT.
82	Mfg or Industrial Facility (Industrial)	Actual
83	Massage Parlor	\$1032/1000 GR.SQ.FT.
84	Medical Building (a)	\$929/1000 GR.SQ.FT.
85	Medical: Lab in Hospital	\$1057/1000 GR.SQ.FT.
86	Medical Office/Clinic	\$1032/1000 GR.SQ.FT.
87	Mini-Mall (No Food)	\$206/1000 GR.SQ.FT.
88	Mortuary: Chapel	\$12/SEAT
89	Mortuary: Embalming	\$1644/1000 GR.SQ.FT.
90	Mortuary: Living Area	\$206/1000 GR.SQ.FT.
91	Motel: Use Guest Room Only (a)	\$495/ROOM
92	Museum: All Area	\$124/1000 GR.SQ.FT.
93	Museum: Office Over 15%	\$495/1000 GR.SQ.FT.
94	Museum: Sales Area	\$206/1000 GR.SQ.FT.
95	Office Building (a)	\$495/1000 GR.SQ.FT.
96	Office Bldg w/Cooling Tower	\$702/1000 GR.SQ.FT.
97	Plating Plant (No IW Permit Required) (b)	\$206/1000 GR.SQ.FT.
98	Plating Plant (Industrial) (b)	Actual
99	Pool Hall (No Alcohol)	\$206/1000 GR.SQ.FT.
100	Post Office: Full Service (m)	\$495/1000 GR.SQ.FT.
101	Post Office: Private Mail Box Rental	\$206/1000 GR.SQ.FT.
102	Prisons	\$722/INMATE
103	Residential Dorm: College or Residential (n)	\$289/STUDENT
104	Residential: Boarding House	\$289/BED
105	Residential: Apt - Bachelor (a)	\$310/DU
106	Residential: Apt - 1 BDR (a) (o)	\$454/DU
107	Residential: Apt - 2 BDR (a) (o)	\$619/DU
108	Residential: Apt - 3 BDR (a) (o)	\$784/DU
109	Residential: Apt - >3 BDR (o)	\$165 PER ADDITIONAL BEDROOM
110	Residential: Condo - 1 BDR (o)	\$454/DU
111	Residential: Condo - 2 BDR (o)	\$619/DU
112	Residential: Condo - 3 BDR (o)	\$784/DU
113	Residential: Condo - >3 BDR (o)	\$165 PER ADDITIONAL BEDROOM
114	Residential: Duplex/Townhouse - 1 BR (o)	\$454/DU
115	Residential: Duplex/Townhouse - 2 BR (o)	\$619/DU

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EFFECTIVE DATE: April 6, 2012

116	Residential: Duplex/Townhouse - 3 BR (o)	\$784/DU
117	Residential: Duplex/Townhouse - >3 BR (o)	\$165 PER ADDITIONAL BEDROOM
118	Residential: SFD - 1 BR (o)	\$578/DU
119	Residential: SFD - 2 BR (o)	\$764/DU
120	Residential: SFD - 3 BR (o)	\$950/DU
121	Residential: SFD - >3 BR (o)	\$186/BDR
122	Residential Room Addition: Bedroom (o)	\$186/BDR
123	Residential Room Conversion: Into a Bedroom (o)	\$186/BDR
124	Residential: Mobile Home	Same as Apt
125	Residential: Artist (2/3 Area)	\$310/DU
126	Residential: Artist Residence	\$310/DU
127	Residential: Guest Home w/ Kitchen	Same as Apt
128	Residential: Guest Home w/o Kitchen	\$186/BDR
129	Rest Home	\$334/BED
130	Restaurant: Drive-In	\$275/STALL
131	Restaurant: Drive-In Seating Area	\$138/SEAT
132	Restaurant: Fast Food Indoor Seat	\$138/SEAT
133	Restaurant: Fast Food Outdoor Seat	\$138/SEAT
134	Restaurant: Full Service Indoor Seat (a)	\$165/SEAT
135	Restaurant: Full Service Outdoor Seat	\$165/SEAT
136	Restaurant: Take Out	\$1650/1000 GR.SQ.FT.
137	Retail Area (greater than 100,000 SF)	\$206/1000 GR.SQ.FT.
138	Retail Area (less than 100,000 SF)	\$103/1000 GR.SQ.FT.
139	Rifle Range: Shooting Stalls/Lanes, Lobby	\$206/1000 GR.SQ.FT.
140	Rifle Range Facility: Bar/Restaurant	Total
141	School: Arts/Dancing/Music (i)	\$45/1000 GR.SQ.FT.
142	School: Elementary/Jr. High (a) (p)	\$37/STUDENT
143	School: High School (a) (p)	\$45/STUDENT
144	School: Kindergarten (s)	\$37/STUDENT
145	School: Martial Arts (i)	\$37/STUDENT
146	School: Nursery-Day Care (p)	\$37/CHILD
147	School: Special Class (p)	\$37/STUDENT
148	School: Trade or Vocational (p)	\$45/STUDENT
149	School: Training (p)	\$45/STUDENT
150	School: University/College (a) (p)	\$66/STUDENT
151	School: Dormitory (a) (n)	\$289/STUDENT
152	School: Stadium, Pavilion	\$12/SEAT
153	Spa/Jacuzzi (Commercial with backwash filters)	Total
154	Storage: Building/Warehouse	\$124/1000 GR.SQ.FT.

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155	Storage: Self-Storage Bldg	\$124/1000 GR.SQ.FT.
156	Store: Ice Cream/Yogurt	\$138/1000 GR.SQ.FT.
157	Store: Retail (l)	\$206/1000 GR.SQ.FT.
158	Studio: Film/TV - Audience Viewing Room (q)	\$12/SEAT
159	Studio: Film/TV - Regular Use Indoor Filming Area (q)	\$206/1000 GR.SQ.FT.
160	Studio: Film/TV - Ind. Use Film Process/Machine Shop (q)	\$206/1000 GR.SQ.FT.
161	Studio: Film/TV - Ind. Use Film Process/Machine Shop	Total
162	Studio: Recording	\$206/1000 GR.SQ.FT.
163	Swimming Pool (Commercial with backwash filters)	Total
164	Tanning Salon: Independent, No Shower (r)	\$206/1000 GR.SQ.FT.
165	Tanning Salon: Within a Health Spa/Club	\$2642/1000 GR.SQ.FT.
166	Theater: Drive-In	\$25/VEHICLE
167	Theater: Live/Music/Opera	\$12/SEAT
168	Theater: Cinema	\$12/SEAT
169	Tract: Commercial/Residential	\$4/ACRE
170	Trailer: Const/Field Office (e)	\$495/OFFICE
171	Veterinary Clinic/Office	\$1032/1000 GR.SQ.FT.
172	Warehouse	\$124/1000 GR.SQ.FT.
173	Warehouse w/ Office	Total
174	Waste Dump: Recreational	\$4130/STATION
175	Wine Tasting Room: Kitchen	\$826/1000 GR.SQ.FT.
176	Wine Tasting Room: All Area	\$206/1000 GR.SQ.FT.