

**Building and Safety  
Permit Service Center**

All plans and supporting documents must be submitted in electronic format as unsecured, flattened PDF(s) with embedded fonts. Minimum 11"x17" sheet size.

The valuation used in computing the building permit fee shall include the total value of work, including materials and labor, for which the permit is being issued, such as electrical, gas, mechanical, plumbing equipment and permanent systems. BMC Section 19.28.20.

California Licensed General, Electrical, Mechanical, and Plumbing Contractors are required to have a City of Berkeley Business License and must provide Worker's Compensation Carrier and Policy Number prior to or at the time of permit issuance.

**Permit Service Center**  
1947 Center St. 3<sup>rd</sup> floor  
Berkeley, CA 94704  
510-981-7500 TTY 6903  
[permits@cityofberkeley.info](mailto:permits@cityofberkeley.info)

# PERMIT APPLICATION

Building - Electrical - Mechanical - Plumbing - Sign

**Project Information**

Permit #: [Redacted]

Address: [Redacted]

Valuation: 220,000 APN: [Redacted]

**Parcel Conditions**

Fire Zone:  1  2  3  Landslide Area  Alquist Priolo

Flood Zone:  A  B  C  Liquefaction Zone  Creek on the Parcel

**Project Specific Information**

Occupancy:  Single-Family/Duplex/ADU  Multi-Family  Commercial/Industrial

Work Type:  New  Addition  Alteration  Demolition  Sign

Other: [Redacted]

Permit(s):  Building  Electrical  Mechanical  Plumbing

Description of Work: Construct a new 800 sqft. detached ADU.

Work in the public right of way is required:  Yes  No

	Construction Type	Occupancy Class	Square Footage	No. of Stories	No. of Residential Units	No. of Bedrooms
Existing						
Proposed	V-B	R3	800	1	1	2

Residential Rental Units:  Yes  No Is tenant relocation required?  Yes  No

**Applicant Information**

Owner  Agent  Contractor  Design Professional

Name: [Redacted] Phone #: [Redacted]

Company: [Redacted] Bus Lic #: [Redacted]

State Lic #: [Redacted] Lic Class: [Redacted]

Address: [Redacted] City, Zip: [Redacted]

Email: [Redacted]

**Owner Information**

Name: [Redacted] Phone: [Redacted]

Address: [Redacted] City/ST/zip: [Redacted]

Email: [Redacted]

**Project Information**

Permit #:

Address

**Mechanical Permit Fees (Minimum \$127.00)**

Qty	Fee Item	Fee
	Minimum Mechanical Permit Fee includes:	
1	• Mechanical Filing Fee	\$22.00
1	• Mechanical Minimum Permit Fee	\$100.00
1	• Mechanical Technology Fee	5%
<input type="text"/>	Air Handling Equipment <i>Up to 10,000CFM</i>	\$26.30
<input type="text"/>	Air Handling Equipment <i>Over 10,000 CFM</i>	\$39.30
<input type="text"/>	Boilers and Equipment <sup>2</sup> <i>Up to 100 kBTU</i>	\$39.90
<input type="text"/>	Boilers and Equipment <sup>2</sup> <i>100 - 500 kBTU</i>	\$54.00
<input type="text"/>	Boilers and Equipment <sup>2</sup> <i>Over 500 kBTU</i>	\$129.00
1	Central Heating <sup>2</sup> <i>Up to 100 kBTU</i>	\$39.70
<input type="text"/>	Central Heating <sup>2</sup> <i>100 - 500 kBTU</i>	\$54.00
<input type="text"/>	Central Heating <sup>2</sup> <i>Over 500 kBTU</i>	\$129.00
8	Ducts, Fans, Registers, Dampers	\$11.90
<input type="text"/>	Gas Appliances (1-2)	\$13.00
<input type="text"/>	Gas Appliances (3+)	\$12.00
<input type="text"/>	Gas Pipe Outlets <sup>1,3</sup>	\$5.60
<input type="text"/>	Gas Piping Extension, Alteration or Repair <sup>1,3</sup>	\$12.20
<input type="text"/>	Gas Pressure Test <sup>1</sup>	\$14.10
<input type="text"/>	Gas Meters <sup>1,3</sup> <i>New or Changed</i>	\$13.10
<input type="text"/>	Hoods Commercial <sup>2</sup> <i>Type I</i>	\$129.00
<input type="text"/>	Hoods Commercial <sup>2</sup> <i>Type II</i>	\$79.70
1	Hoods Residential <sup>2</sup>	\$11.80
<input type="text"/>	Permit Extension	\$57.00
<input type="text"/>	Pre-fab. Fireplaces <sup>2</sup>	\$79.70
4	Vent, Flue, Chimney	\$13.10

1. Do not duplicate fees for gas work on mechanical and plumbing fee schedules
2. Includes attached ducts, flues, vents, registers, and associated electrical, except a new circuit run from panel
3. Includes Pressure Test

**Electrical Permit Fees (Minimum \$127.00)**

Qty	Fee Item	Fee
	Minimum Electrical Permit Fee includes:	
1	• Electrical Filing Fee	\$22.00
1	• Electrical Minimum Fee	\$100.00
1	• Electrical Technology Fee	5%
800	<b>A. New Residential Buildings &amp; Additions</b>	\$15.00
	• Includes Device Outlets	
	• Per 100 Sq Ft - Enter Total Sq Ft	
<input type="text"/>	<b>B. Non-Residential Electrical Permit</b>	1%
	• \$100,000 min valuation of electrical work	
	• Includes all itemized fees list below	
	• Enter total valuation of work	
	<b>C. Itemized Fees:</b>	
<input type="text"/>	Altering/Changing Wiring	\$26.10
<input type="text"/>	Branch Circuits	\$4.70
<input type="text"/>	Device Outlets <i>Receptacle, Switch, Light</i>	\$2.70
1	Electrical Meters <i>New or Changed</i>	\$7.20
1	Electrical Permit Extension	\$57.00
<input type="text"/>	Electrical Vehicle Charging Station	\$15.90
<input type="text"/>	Festoon Lighting	\$10.00
4	Fixed Appliance Outlet	\$11.10
<input type="text"/>	Generators - up to 10KV <i>Total KV</i>	\$7.20
<input type="text"/>	Generators - over 10KV <i>Total KV</i>	\$1.90
<input type="text"/>	Motors - up to 10 HP <i>Total HP</i>	\$7.20
<input type="text"/>	Motors - over 10 HP <i>Total HP</i>	\$1.90
<input type="text"/>	PG&E Service Recheck	\$11.90
200	Service - New or Changed <i>Total Amps</i>	\$11.90
<input type="text"/>	Signs and Outline Lighting	\$26.50
1	Solar Photovoltaic System	\$26.10
<input type="text"/>	Subpanel - New or Changed <i>Total Amps</i>	\$11.90
<input type="text"/>	Temporary Power Pole	\$26.50
<input type="text"/>	Transformers - up to 10 KV <i>Total KV</i>	\$4.80
<input type="text"/>	Transformers - over 10KV <i>Total KV</i>	\$1.90
<input type="text"/>	X-Ray Capacitors	\$26.50

**Plumbing Permit Fees (Minimum \$127.00)**

Qty	Fee Item	Fee
	Minimum Plumbing Permit Fee includes:	
1	• Plumbing Filing Fee	\$22.00
1	• Plumbing Minimum Permit Fee	\$100.00
1	• Plumbing Technology Fee	5%
800	<b>A. New Residential Buildings &amp; Additions</b>	
	• Includes fixtures & interior water lines	\$15.00
	• Per 100 Sq Ft - <i>Enter total Sq Ft</i>	
	<b>B. Itemized Fees:</b>	
5	Fixtures <i>include sanitary drainage/venting</i>	\$12.20
	Gas Pipe Outlets <sup>1</sup>	\$5.60
	Gas Piping Extension/Alteration/Repair <sup>1</sup>	\$12.20
	Gas Pressure Test Only <sup>1</sup>	\$14.10
	Gas Meters <i>New or Changed</i> <sup>1</sup>	1 \$13.10 2+ \$9.10
	Graywater System <i>Single Family Dwelling, Duplex or ADU</i>	\$39.90
	Graywater System <i>All Other Occupancies</i>	\$105.70
	Inside Rain Leader	\$27.40
	Lawn Sprinkler System <i>Single-Family Dwelling, Duplex or ADU</i>	\$39.90
	Lawn Sprinkler System <i>Other Occupancies</i>	\$105.70
	Nonpotable Rainwater Catchment System <i>Single-Family Dwelling, Duplex or ADU</i>	\$39.90
	Nonpotable Rainwater Catchment System <i>Other Occupancies</i>	\$105.70

Qty	Fee Item	Fee
	<b>B. Itemized Fees (continued):</b>	
	Plumbing Permit Extension	\$57.00
	Pressure Test <i>Water or Air</i>	\$14.40
	Removal of Illicit Connections	\$12.20
1	Sanitary Sewer Lateral	\$34.00
	Seismic Gas Shut-Off Valve	\$10.00
	Seismic Gas Shut-Off Valve <i>2+ Group Permit</i>	\$50.00
	Solar Water Heater	\$12.20
	Stand Pipe System	\$129.10
	Subsoil Storm Drainage Piping	\$34.00
	Swimming Pool Filtration System	\$129.10
1	Water Heater	\$12.20
6	Water Line <i>Total Outlets</i>	<26 \$24.90 26+ \$2.70
	Water Line <i>Hydronic Water Piping</i>	\$24.90
1	Water Main <i>Total Outlets</i>	<26 \$24.90 26+ \$2.70
	Water Meters <i>New or Changed</i>	1 \$14.40 2+ \$8.40ea
	Water Meters <i>Backflow Preventer</i>	\$12.20

1. Do not duplicate fees for gas work on mechanical and plumbing fee schedules

**Contractor Information for Electrical, Mechanical and Plumbing permits**

General  Mechanical  Electrical  Plumbing

Name:  Phone:  Bus Lic #:   
 Company:  State Lic #:  Lic. Class:   
 Address:   
 Email:

General  Mechanical  Electrical  Plumbing

Name:  Phone:  Bus Lic #:   
 Company:  State Lic #:  Lic. Class:   
 Address:   
 Email:

# RESIDENCE

# ACCESSORY DWELLING UNIT

DENG DESIGN STUDIO RETAINS OWNERSHIP OF ALL DRAWINGS. ANYONE RECOGNIZES THAT NO SUCH DOCUMENTS SHOULD BE SUBJECT TO RE-USE WITHOUT WRITTEN AUTHORIZATION OF DENG DESIGN STUDIO

### ABBREVIATIONS

A.F.F.	Above Finished Floor	I.D.	Inside Diameter
APPROX.	Approximate	INT.	Interior
BLDG.	Building	LAM.	Laminate
CAB.	Cabinet	MAX.	Maximum
CLG.	Ceiling	MFR.	Manufacturer
CLR.	Clear	MIN.	Minimum
COL.	Column	MISC.	Miscellaneous
CONC.	Concrete	MTD.	Mounted
CONT.	Continuous	(N)	New
CTR.	Center	N.I.C.	Not in Contract
DTL.	Detail	No. or #	Number
DIA.	Diameter	N.T.S.	Not to Scale
DIM.	Dimension	O.C.	On Center
DN.	Down	OPP.	Opposite
DWG.	Drawing	REQ'D.	Required
(E)	Existing	RM.	Room
EA.	Each	SSD.	See structural drawing
EP.	Electrical panel	STD.	Standard
EQ.	Equal	STOR.	Storage
EXT.	Exterior	SUSP.	Suspended
F.E.C.	Fire Extinguisher Cabinet	TYP.	Typical
		U.O.N.	Unless Otherwise Noted
FLUOR.	Fluorescent	V.I.F.	Verify in Field
F.O.S.	Face of Studs	W.	Width
FURR.	Furring		
GA.	Gauge		
GYP.	Gypsum		
HPWR.	Highwire		

### SYMBOL

	DETAIL SYMBOL—SEE ELEVATION AND DETAIL SHEETS		NORTH ARROW
	DRAWING NUMBER SHEET NUMBER		ALIGN
	DIMENSIONS FROM FACE TO FACE		ELEVATION REFERENCE SYMBOLS
	REVISION (CLUDED AROUND EXTENT OF REVISION)		

DEPARTMENT OF PUBLIC WORKS  
**ENGINEERING DIVISION**  
Sep 12, 2022  
REVIEWED FOR  
CODE COMPLIANCE

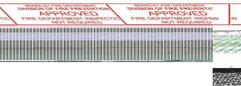
**PERMISSION AND RESPONSIBILITY**  
APPROVAL OF THIS PERMIT FOR WORK IN THE PUBLIC RIGHT-OF-WAY DOES NOT RELIEVE APPLICANT OF THE RESPONSIBILITY OF OBTAINING PERMISSION TO ENTER NEIGHBORING PROPERTIES IN THE COURSE OF THIS WORK IF NECESSARY. PERMITTEE SHALL NOTIFY AFFECTED PROPERTY OWNER(S) OF INTENTION 72 HOURS PRIOR TO ENTERING THE PROPERTY. APPROVAL SHALL NOT BE CONSTRUED AS A LICENSE TO ALTER OR ADVERSELY IMPACT ANY FACILITIES LOCATED IN THESE EASEMENTS. FULL RESTITUTION AND RESTORATION SHALL BE THE RESPONSIBILITY OF THE PERMITTEE.

**BEST MANAGEMENT PRACTICES REQUIRED**  
ALL PERSONS WORKING AT THIS SITE MUST IMPLEMENT APPLICABLE PORTIONS OF THE STATE STORM WATER BEST MANAGEMENT PRACTICES MANUAL TO THE MAXIMUM EXTENT PRACTICABLE TO PREVENT EROSION AND SEDIMENT INTO THE STORM DRAIN SYSTEM. FAILURE TO UTILIZE ADEQUATE CONTROLS IS A VIOLATION OF BMC 17.20. A COPY OF THIS MANUAL IS AVAILABLE FOR VIEWING AT THE PERMIT SERVICE CENTER.

### SCOPE OF WORK

- DEMOLISHING OF A 120 S.F. EXISTING STORAGE SHED
- CONSTRUCTION OF A NEW 800 S.F. 1-STORY DETACHED ADU, INCLUDING (2) BEDROOMS, (1) BATHROOMS, A LAUNDRY CLOSET, LIVING/DINING ROOM & KITCHEN.
- CONSTRUCTION OF A NEW 63 S.F. FRONT PORCH FOR ADU.
- UPGRADE EXISTING ELECTRICAL MAIN PANEL TO 400-AMP.
- INSTALL ANEW 200-AMP. ELECTRICAL PANEL FOR ADU.
- M.E.P. WORKS PER NEW CONSTRUCTION

PLANNING & DEVELOPMENT DEPARTMENT  
**LAND USE PLANNING**  
APPROVED PLANS



### PROJECT DATA

ADU FRONT SETBACK:	20'
ADU SIDE SETBACK:	4'
ADU REAR SETBACK:	4'
HEIGHT LIMIT:	16'
PROPOSED DETACHED ADU (HABITABLE AREA):	800 SF

**SMOKE & CARBON MONOXIDE ALARMS**  
ARE REQUIRED TO BE INSTALLED IN RESIDENTIAL GROUP R OCCUPANCIES WHEN ALTERATIONS, REPAIRS, OR ADDITIONS REQUIRING A BUILDING PERMIT OCCUR. SMOKE & CARBON MONOXIDE ALARMS SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS, AND APPLICABLE PROVISIONS OF CBC, CRC, CFC, AND REFERENCED STANDARDS.

**EMERGENCY ESCAPE WINDOW**  
AN EMERGENCY ESCAPE AND RESCUE WINDOW IS REQUIRED IN BASEMENTS AND EVERY SLEEPING ROOM BELOW THE FOURTH STORY OF GROUP R OCCUPANCIES UNLESS EXEMPTED BY CBC SECTION 1030.1. MINIMUM NET WIDTH IS 20 INCHES. MINIMUM NET HEIGHT IS 24 INCHES AND MINIMUM NET AREA OF 5.7 SQUARE FEET OF OPENING.

**WATER CONSERVING PLUMBING FIXTURES**  
PRIOR TO FINAL INSPECTION ALL NON-COMPLIANT PLUMBING FIXTURES SHALL BE UPGRADED WITH WATER CONSERVING FIXTURES AS REQUIRED BY CALGREEN SECTION 301.1.1. A COMPLETED AND SIGNED CERTIFICATE OF COMPLIANCE SHALL BE PROVIDED TO THE AREA INSPECTOR.

**PROPERTY LINES**  
IDENTIFICATION OF PROPERTY LINES ON THE PLANS AND IN THE FIELD IS THE RESPONSIBILITY OF THE OWNER.

**OWNER**  
PLEASE READ ALL THE RED MARKS, STAMPS AND UNDERSTAND PRIOR TO PROCEEDING WITH CONSTRUCTION.

**BAAQMD NOTIFICATION**  
THE PERMITTEE IS RESPONSIBLE TO COMPLY WITH THE REQUIREMENTS OF THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT (BAAQMD) REGULATION 11, RULE 2 PERTAINING TO DISTURBING REGULATED ASBESTOS-CONTAINING MATERIALS (RACM). PLEASE CONTACT THE BAAQMD AT (415) 748-4762 OR VISIT WWW.BAAQMD.GOV FOR MORE INFORMATION.

**LEAD HAZARD WARNING**  
ANYONE CONDUCTING RENOVATION, REPAIR OR PAINTING WORK FOR COMPENSATION (INCLUDING RENTAL PROPERTY OWNERS AND MANAGERS) IN A PRE-1978 RESIDENCE, CHILDCARE FACILITY OR SCHOOL MUST BE TRAINED, EPA CERTIFIED, AND USE LEAD-SAFE WORK PRACTICES. FAILURE TO IMPLEMENT LEAD SAFE WORK PRACTICES IS A VIOLATION OF THE CALIFORNIA HEALTH AND SAFETY CODE, SECTIONS 17920.10 AND 105254. FOR MORE INFORMATION VISIT: WWW.ACHHD.ORG.

### PROJECT DIRECTORY



PLANNING & DEVELOPMENT DEPARTMENT  
**BUILDING & SAFETY DIVISION**  
REVIEWED FOR CODE COMPLIANCE

*Elysia Miller*  
Elysia Miller  
Sep 9, 2022

THIS SET OF CONSTRUCTION DOCUMENTS MUST BE KEPT ON THE PROJECT SITE AT ALL TIMES. ANY DESIGN CHANGES MADE DURING CONSTRUCTION SHALL BE RESUBMITTED FOR APPROVAL AS AN AMENDED SET OF CONSTRUCTION DOCUMENTS.

**VALIDITY OF PERMIT**  
ISSUANCE OF PERMIT OR APPROVAL OF PLANS SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE ANY ORDINANCES, CODES OR LAWS OF THE CITY OF BERKELEY OR THE STATE OF CALIFORNIA. IT IS ASSUMED THE INFORMATION PROVIDED ON THE PLANS IS ACCURATE. PERMIT EXPIRES ONE YEAR AFTER DATE OF PERMIT ISSUANCE, UNLESS AN EXTENSION HAS BEEN GRANTED.

**APPLICABLE CODES**  
ALL CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF THE 2019 CALIFORNIA BUILDING STANDARDS CODE (CALIFORNIA CODE OF REGULATIONS, TITLE 24) AS ADOPTED BY THE CITY OF BERKELEY (BMC TITLE 19)

### BERKELEY CITY NOTES

- CONTRACTOR SHALL OBTAIN AN AIC (AMPERAGE INTERRUPTING CAPACITY) LETTER FROM PG&E FOR INSTALL A MAIN SERVICE PANEL EXCEEDING 225A. CONTRACTOR SHALL PRESENT THE LETTER TO A BUILDING INSPECTOR AT ELECTRICAL METER RELEASE INSPECTION FOR VERIFICATION AND APPROVAL.

### VICINITY MAP



SITE



### DESIGN CRITERIA

APPLICABLE CODE: 2019 CALIFORNIA RESIDENTIAL CODE

#### LOADS:

<b>ROOF:</b>		<b>FLOOR:</b>	
ROOFING	3.0 PSF	FLOORING	1.0 PSF
PLYWOOD	1.5 PSF	PLYWOOD	2.0 PSF
RAFTER	1.5 PSF	FLOOR JOIST	3.0 PSF
CEILING JOIST	1.5 PSF	INSULATION	1.0 PSF
INSULATION	0.5 PSF	GYP. BOARD	2.5 PSF
GYP. BOARD	2.5 PSF	MISC.	0.5 PSF
MISC.	1.5 PSF	DEAD LOAD	10.0 PSF
SOLAR PANEL	5 PSF	LIVE LOAD	40.0 PSF
DEAD LOAD	17.0 PSF		
LIVE LOAD	20.0 PSF		
		<b>INTERIOR WALL:</b>	
EXTERIOR WALL:		DEAD LOAD	8.0 PSF
DEAD LOAD	16.0 PSF		

### REQUIRED SPECIAL FEATURES

- VARIABLE CAPACITY HEAT PUMP COMPLIANCE OPTION (VERIFICATION DETAILS FROM VCHP STAFF REPORT, APPENDIX B, AND RA3)
- NORTHWEST ENERGY EFFICIENCY ALLIANCE (NEEA) RATED HEAT PUMP WATER HEATER; SPECIFIC BRAND/MODEL, OR EQUIVALENT, MUST BE INSTALLED

### HERS FEATURE SUMMARY

(FILED-VERIFIED BY A CERTIFIED HERS RATER)

- QUALITY INSULATION INSTALLATION (QII)
- INDOOR AIR QUALITY VENTILATION
- KITCHEN RANGE HOOD
- VERIFIED EER
- VERIFIED REFRIGERANT CHARGE
- VERIFIED HEAT PUMP RATED HEATING CAPACITY
- WALL-MOUNTED THERMOSTAT IN ZONES GREATER THAN 150 FT2 (SC3.4.5)
- DUCTLESS INDOOR UNITS LOCATED ENTIRELY IN CONDITIONED SPACE (SC3.1.4.1.8)

### BUILDING CODE ANALYSIS

ALL WORKS SHALL CONFORM TO FOLLOWING CODES:

2019 C.R.C.; 2019 C.B.C.; 2019 CMC; 2019 CPC; 2019 CFC; AND 2019 CALIFORNIA ENERGY CODE; 2019 CALGREEN STANDARD CODE; AS AMENDED BY THE STATE OF CALIFORNIA AND THE LOCAL GOVERNMENT ARE APPLICABLE TO THIS PROJECT.

#### CONVENTIONAL LIGHT FRAMING CONSTRUCTION

CONSTRUCTION TYPE:	V-B
OCCUPANCY:	R-3
FIRE PROTECTION:	NONE (PRINCIPAL HOUSE & ADU)
ADU OFF-STREET PARKING:	NOT REQUIRED

### DEFERRED SUBMITTALS

GENERAL CONTRACTOR IS RESPONSIBLE TO OBTAIN BUILDING PERMIT FOR LISTED BELOW ITEM(S):

- ROOF SOLAR PANEL SYSTEM

### DRAWING INDEX

#### ARCHITECTURAL

A-0.0	TITLE SHEET
A-0.1	BOUNDARY LINE SURVEY
A-100	SITE PLAN
A-200	FLOOR PLAN
A-300	FOUNDATION PLAN
A-400	ROOF PLAN
A-400	ELECTRICAL POWER/REFLECTED CEILING PLAN
A-500	BUILDING EXTERIOR ELEVATIONS
A-600	BUILDING CROSS SECTIONS
A-700.1	CONSTRUCTION DETAILS
A-700.2	CONSTRUCTION DETAILS
A-700.3	CONSTRUCTION DETAILS
A-700.4	CONSTRUCTION DETAILS
GB-1	CALGREEN RESIDENTIAL MANDATORY MEASURES CHECKLIST
T24.1	TITLE 24 ENERGY COMPLIANCE CALCULATIONS
T24.2	TITLE 24 ENERGY COMPLIANCE CALCULATIONS
P-1	PLUMBING SINGLE-LINE DIAGRAM
	BERKELEY CITY'S POLLUTION PREVENTION SHEET

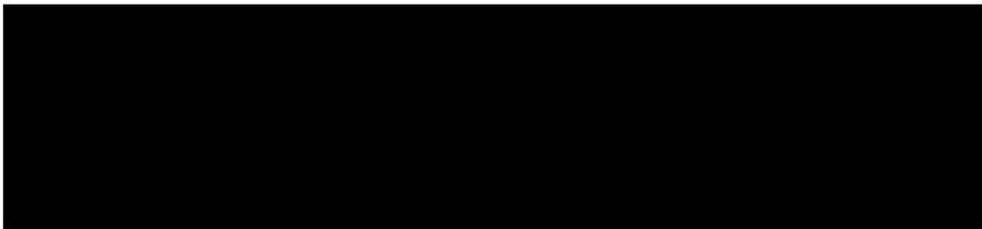
Project Name:

<b>Issue &amp; Revisions:</b>	<b>Date:</b>
ISSUED FOR BUILDING PERMIT	6/27/22
FOR PLANCHECK COMMENTS	8/02/22

Sheet Name  
**TITLE SHEET**

Project No.	240522
By:	JD
Reviewed:	MC
Scale:	

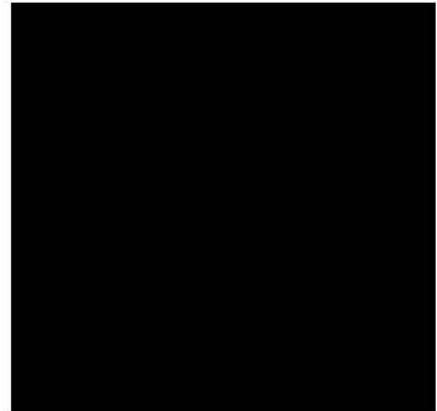
**A-0.0**



# Structural Calculations



 Project No. 23016



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Comment S43	26 - 35

Prepared for ██████████

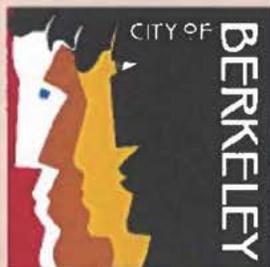
**GEOTECHNICAL INVESTIGATION  
PROPOSED RESIDENTIAL BUILDING  
██████████  
BERKELEY, CALIFORNIA**

***UNAUTHORIZED USE OR COPYING OF THIS DOCUMENT IS STRICTLY  
PROHIBITED BY ANYONE OTHER THAN THE CLIENT FOR THE SPECIFIC  
PROJECT***

March 22, 2023

Project No. ██████████





**Building and Safety  
Permit Service Center**

Where an application is made for construction as described in California Building Code (CBC) Chapter 17, the owner or the registered design professional in responsible charge acting as the owner's agent shall employ one or more approved agencies to perform inspections during construction on the types of work listed under CBC Section 1705. These inspections are in addition to the City of Berkeley inspections identified in CBC Section 110.

The registered design professional in responsible charge shall prepare the statement of special inspections in accordance with CBC Section 1704.3.1 for submittal by the applicant to the Building Official as a condition for permit issuance.

**Building and Safety**  
1947 Center St. 3<sup>rd</sup> floor  
Berkeley, CA 94704  
510-981-7440 TTY 6903  
[buildingandsafety@cityofberkeley.info](mailto:buildingandsafety@cityofberkeley.info)

# SPECIAL INSPECTIONS

## Project Information

Project Address: [Redacted]

Permit Number: [Redacted]

**Contractor's Responsibility:** Each contractor responsible for the construction of a main wind- or seismic- force resisting system or component listed in the statement of special inspections shall submit a statement of responsibility to the building official and the owner prior to the commencement of work on the system or component. The contractor's signature on this Statement of Special Inspection constitutes the statement of the responsibility and acknowledgement of awareness of the requirement for special inspections.

**Special Inspector Qualifications:** The special inspector shall provide written documentation to the Building Official demonstrating his or her competence and relevant experience or training. The registered design professional in responsible charge and engineer of record involved in the design of the project are permitted to act as the approved agency and their personnel are permitted to act as the special inspector for the work designed by them, provided they qualify as special inspectors.

## Special Inspection Agencies:

Agency: [Redacted] Inspections: Concrete, Welding, Seismic, Bolting

Agency: [Redacted] Inspections: Soils

Agency: [Redacted] Inspections: [Redacted]

## Acknowledgements:

Registered Design Professional in Responsible Charge:

[Redacted] 7/24/23

Name Signature Date

Owner's Authorization:

[Redacted] 8/8/23

Name Signature Date

Contractor:

[Redacted] 8/1/2023

Name Signature Date

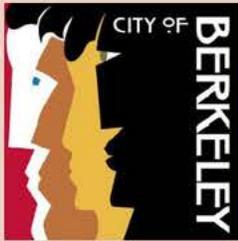
Building Official's Acceptance:

[Redacted] 11/13/2023

Name Signature Date

The **Registered Design Professional in Responsible Charge** shall indicate the applicability and frequency of special inspections by circling either C for continuous or P for periodic inspections for the required types of work.

Type of Work	Frequency (circle one)	Specific Test Procedures
<b>Special Cases (CBC 1705.1.1):</b>		
Epoxy or Mechanical Anchors	C <b>P</b>	CAST IN PLACE & POST-INSTALLED ANCHORS
Moisture Barriers	C P	
Green Roofs	C P	
Other: <input type="text"/>	C P	
<b>Concrete Construction (CBC 1705.3)</b>	C <b>P</b>	REINFORCING STEEL AND CONC PLACEMENT
<b>Masonry Construction (CBC 1705.4)</b>	C P	
<b>Wood Construction (CBC 1705.5)</b>	C P	
<b>Steel Construction:</b>		
Structural Steel (CBC 1705.2.1)	C <b>P</b>	ALL STRUCTURAL WELDING
Cold Formed Steel (CBC 1705.2.2-1705.2.4)	C P	
<b>Seismic Resistance (CBC 1705.12 &amp; 1705.13)</b>	C <b>P</b>	
<b>Wind Resistance (CBC 1705.11)</b>	C P	
<b>Retrofit of Unreinforced Masonry Buildings</b>	C P	
<b>Exterior Insulation and Finish Systems (CBC 1705.16)</b>	C P	
<b>Fire Resistive Construction:</b>		
Spray Applied Materials (CBC 1705.14)	C P	
Mastic and Intumescent Coatings (CBC 1705.15)	C P	
Penetrations and Joints (CBC 1705.17)	C P	
<b>Smoke Control (CBC 1705.18)</b>	C P	
<b>Deep Foundations:</b>		
Driven Piles (CBC 1705.7)	C P	
Cast-in-Place Piers (CBC 1705.8)	C P	
Helical Piles (CBC 1705.9)	C P	
<b>Soils (CBC 1705.6)</b>	C <b>P</b>	Verify materials below are adequate per Geotech report.



**Building and Safety  
Permit Service Center**

Complete this form and submit it along with your building permit application when performing the following activities:

1. Any non-residential projects requiring building permits.
2. Residential new buildings.
3. Residential projects that increase a building's conditioned area, volume, or size.
4. Residential projects valued over \$100,000.
5. Demolition permits valued over \$3,000.

A minimum of 65% of the waste generated by construction and demolition activities must be diverted away from landfill disposal through any combination of recycling, salvage, reuse or composting. 100% of asphalt, concrete, and land clearing debris must be recycled.

**Building and Safety**  
1947 Center St. 3<sup>rd</sup> floor  
Berkeley, CA 94704  
510-981-7440 TTY 6903  
[buildingandsafety@cityofberkeley.info](mailto:buildingandsafety@cityofberkeley.info)

# CONSTRUCTION WASTE MANAGEMENT PLAN

**Project Information**

Permit Number: [REDACTED]

Project Address: [REDACTED]

**Construction Methods**

The following methods will be used to reduce waste generated during construction:

- Efficient design
- Careful and accurate material ordering
- Careful material handling and storage
- Panelized or prefabricated construction
- Deconstruction/salvage/reuse

Other: [REDACTED]

**Universal and Hazardous Waste**

Disposal of asbestos-containing materials, batteries, electronic waste, fluorescent bulbs, lead based paints, pressure treated wood waste, mercury containing equipment and refrigerants, require special processing prior to commencement of construction or demolition activities. Additional information can be found at the [Bay Area Air Quality Management District](#), [Department of Toxic Substances Control](#), [Alameda County Healthy Homes Department](#), and the City of Berkeley [Toxics Management Division](#).

- This project does not involve disposal of universal or hazardous waste.
- This project includes disposal of universal or hazardous waste in a responsible, safe and verifiable manner.

**Diversion Documentation**

Submit a Construction Waste Management Plan via Green Halo at [www.berkeley.wastetracking.com](http://www.berkeley.wastetracking.com). Prior to permit final, weight tickets for all materials disposed and recycled must be uploaded. Photos are acceptable for salvaged/reused materials.

Green Halo Tracking Number: [REDACTED]

I understand the waste diversion requirements of Berkeley Municipal Code Section 19.37 and submit this Construction Waste Management Plan pursuant to California Green Building Standards Code Section 4.408.2 or 5.408.1.1.

Name

Signature

Date



# TAXABLE BUILDING SQUARE FOOTAGE CHANGE WORKSHEET

## 1. Permit Information:

Revision / / Date

Project Address:



Berkeley, CA 94710

Building Permit #:

Assessor's Parcel Number:

## 2. Building Square Footage Calculations:

For instructions on how to fill up this form, please refer to the "Taxable Building Square Footage Change Worksheet Instructions" and the FAQ's on the back of this form. You can use attachments, if necessary, to show the Taxable Square Footage **addition** or **demolition**. For further information regarding taxable building square footage issues, please call Customer Service Center at 510-981-7200.

Floor	Enter taxable building square footage area per building use type						
	Residential Area		Non-Residential Area		Area Exempted*		
	<i>SFR, Duplex, Triplex, Multiple Units, Condos, (including usable basements and cellars, pedestrian access walkways or corridors, porches, etc.)</i>		<i>Commercial, Industrial, Institutional, Condo's (Commercial, Industrial, Live/Work, etc.)</i>		<i>Garage/Off-Street Parking/ Balconies/Stoops/ Terraces/ Pools/Patios/ Arcades/Porticoes</i>		<i>Converted to Habitable Space</i>
	Added	Removed	Added	Removed	Added	Removed	(Yes/No)
Basement							
Garage							
1	800						
2							
TOTAL	800						

\* Any claim of exemptions must be accompanied by drawings, calculations and a statement specifying the basis for each exemption claimed. Exempted building areas, such as garages and off-street parking, are not included in taxable square footage totals. (Please refer to Berkeley Municipal Code - BMC Section 7.56.020 - Definitions).

Comments: Construct a new 800 sq ft detached ADU.

## 3. Owner/Agent Declaration

I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge.

Owner/Agent (Print Name):



Executed in Berkeley, California on:

6/28/22  
(Date)

Owner/Agent Signature:

### For Internal Use Only

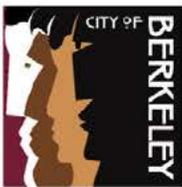
CHECKED BY: DATE:

REVIEWED BY: DATE:

FURTHER REVIEW BY: DATE:

For more information, please contact:

City of Berkeley  
1947 Center Street, Berkeley, CA 94704  
Customer Service Center  
Tel: 510-981-7200



# PLANNING & DEVELOPMENT

Land Use Planning, 1947 Center Street, Berkeley, CA 94704  
Tel: 510.981.7410 TDD: 510.981.6347 Fax: 510.981.7420  
Email: [planning@cityofberkeley.info](mailto:planning@cityofberkeley.info)



## ZONING CERTIFICATE APPLICATION – *Building Permits*

ZCBP # 20 - \_\_\_\_\_

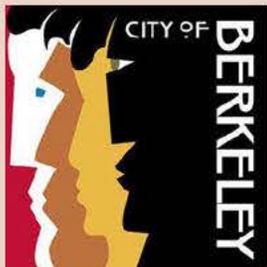
BF \_\_\_\_\_

<b>Address:</b> _____		<b>Suite/Unit #:</b> _____	
<b>Project Description:</b>			
<b>Use of Building/Property:</b>		Existing: _____ Proposed: _____	
<b>Related Permits:</b> Have any of the following been approved or requested for this project?			
<input type="checkbox"/> AUP <input type="checkbox"/> Use Permit <input type="checkbox"/> Design Review <input type="checkbox"/> Landmarks			
<b>Project Details (check all that apply):</b>			
<input type="checkbox"/> In-kind repair/replacement (includes windows, decks, siding, etc.) <input type="checkbox"/> New building or enclosed structure (gross floor area: _____ sq. ft.) <input type="checkbox"/> Addition to existing building or enclosed structure (gross floor area: _____ sq. ft.) <input type="checkbox"/> Conversion of garage, basement, or attic to habitable space (gross floor area: _____ sq. ft.) <input type="checkbox"/> Demolition (includes removal/replacement of exterior wall or roof framing: ____% walls; ____% roof) <input type="checkbox"/> Removal or pruning of coast live oak tree – indicate circumference at 4' above ground: ____ in.			
<u>Exterior changes:</u>		<u>Addition or removal of:</u>	
<input type="checkbox"/> Windows (new/enlarged openings)		<input type="checkbox"/> Bedrooms (as defined on reverse)	
<input type="checkbox"/> Decks (expanded or new)		<input type="checkbox"/> Interior walls separating commercial spaces?	
<input type="checkbox"/> Water heater		<input type="checkbox"/> Parking spaces	
<input type="checkbox"/> Other: _____		<input type="checkbox"/> Residential kitchens	
<b>Impervious Surfaces:</b> Does the project create or replace 2,500 square feet or more of impervious surface area? (See reverse for further details)			
<input type="checkbox"/> No <input type="checkbox"/> Yes: _____ sq. ft. (submit required stormwater checklist to PSC)			
<b>Applicant Information:</b>			
Name: _____		Address: _____	
Phone: _____		City/State/Zip: _____	

**I hereby certify that the above information is true and complete to the best of my knowledge.**

**Applicant's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_ / \_\_\_\_ / \_\_\_\_

STAFF USE ONLY			
Intake Planner: _____		Zone: _____	
Zoning Fee: <input type="checkbox"/> \$60 <input type="checkbox"/> \$200 <input type="checkbox"/> \$400		Approved by: _____	
Route to: <input type="checkbox"/> DR <input type="checkbox"/> LM <input type="checkbox"/> PW (C.3)		Date: ____ / ____ / ____	
		Ordinance Section(s): _____	
		Approval comments: _____	



# ENGINEERING PERMIT APPLICATION

## Public Works Engineering

A dimensioned schematic site plan must be completed with this application.

The Base Permit Fee will be applied to each permit type, except for Construction Parking.

Staging or storage of materials must be on private property or authorized by a Temporary Right of Way permit.

### Project Information

Permit #: B2023 [redacted]

Address: [redacted]

### Owner Information

Name: [redacted] Phone: [redacted]

Address: [redacted]

Email: [redacted]

### Applicant / Contractor Information

Name: [redacted] Phone: [redacted]

Company: [redacted] Bus Lic #: [redacted]

State Lic #: [redacted] Lic. Class: [redacted]

Address: [redacted] City, Zip: [redacted]

Email: [redacted]

### Description of Work

Trench Sidewalk to install new water line from meter and install sump pump discharge.

**Permit Service Center**  
1947 Center St. 3<sup>rd</sup> floor  
Berkeley, CA 94704  
510-981-7500 TTY 6903  
[permits](#)  
[@cityofberkeley.info](#)

**Engineering Permit Fees**

<b>Fee Item</b>	<b>Fee</b>	<b>Fee Code</b>	<b>Quantity</b>
<b>Minimum Engineering Permit Fee includes:</b>			
• Filing Fee	\$22	FP230	1
• Base Permit Fee	\$127	FP100	
• Technology Fee	5% of total	FP420	
• Refundable Deposit (as required)	\$1,376	FP110	
• Plan Check Fee (as required by Engineering)	\$190	FP1000	
<b>Concrete Area</b>			
Curb Gutter per 10 Lin Ft	\$28	FP150	
Flatwork per 100 Sq Ft	\$28	FP140	
<b>Sanitary Sewer</b>			
Sidewalk Inspection (up to curb)	\$190	FP440	
Upper Lateral Trench Sewer Inspection	\$190	FP450	
<b>Sewer/Storm</b>			
Storm Drain Lateral, Street Inspection	\$190	FP410	1
Trench Inspection (Roadway)	\$190	FP130	
Storm Drain Lateral - Sidewalk Inspection	\$190	FP400	
<b>Construction Parking</b>			
Base Permit Fee	\$34	FP160	
No Parking Sign	\$15	FP170	
Time Zone/ Metered Area (daily)	\$15.80	FP190	
Time Zone/ Metered Area (weekly)	\$79.00	FP180	
Replace previous issued sign/cab card	\$5	FP171	
<b>Temporary Right of Way Use</b>			
Temporary ROW Inspection Fee	\$190	FP430	
Monthly Fee	\$221	FP250	
_____ Curb LF x _____ mo.	\$7.50	FP 260	
Debris Box/ Moving Containers/ PODS	\$100.00	FP270	
<b>Miscellaneous</b>			
Miscellaneous Excavation or Construction Inspection	\$190	FP200	
Electrical Inspection Fee	\$153	FP210	

Schematic Site Plan for Engineering Permit

Permit #: B2023 [REDACTED]

Address: [REDACTED]

Description of Work:

Trench Sidewalk to install new water line from meter and install sump pump discharge.

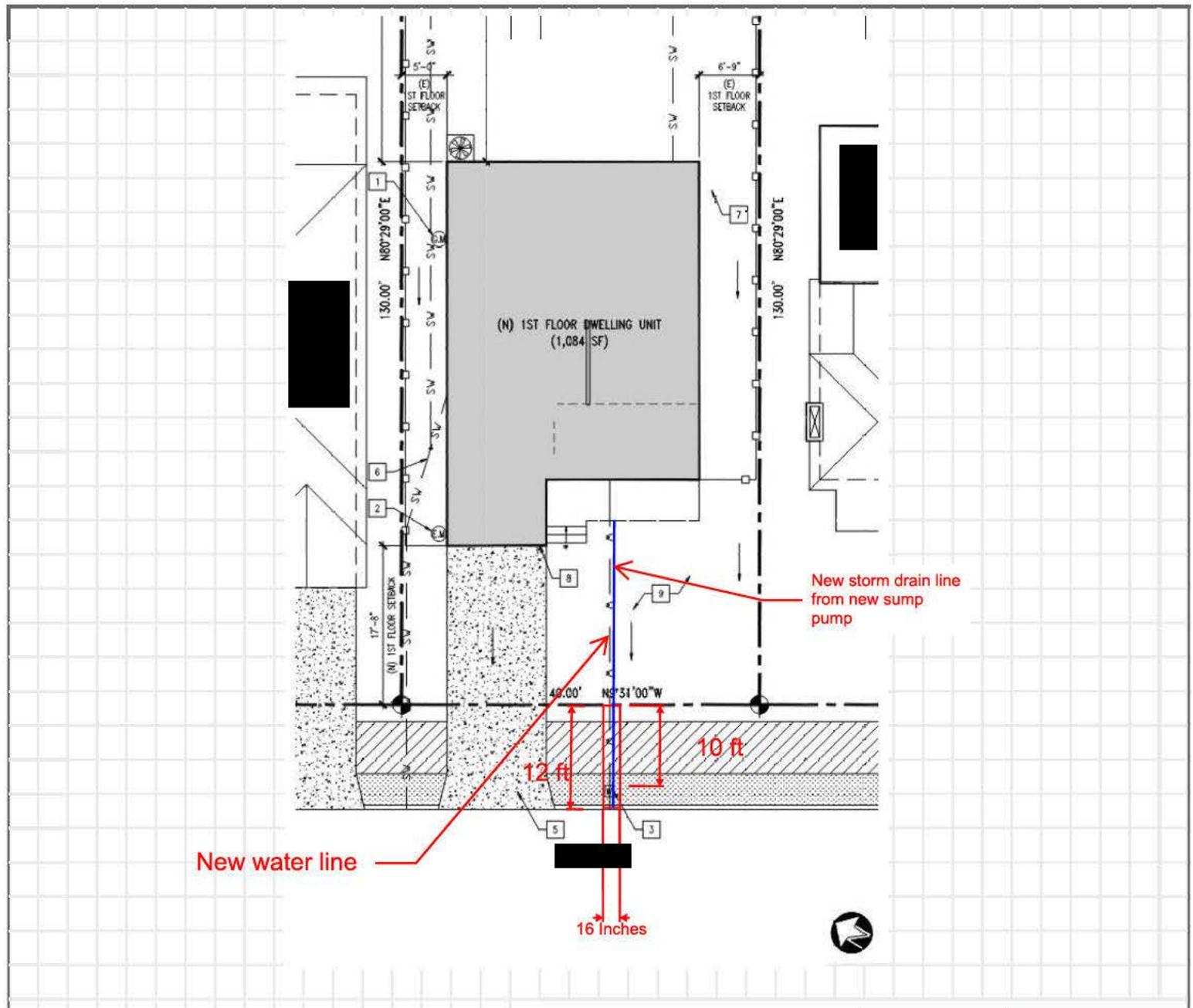
Contractor Information

Name: [REDACTED]

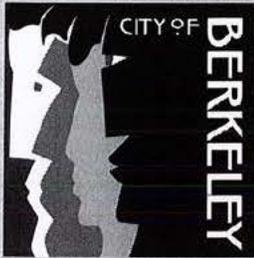
Phone #: [REDACTED]

Address: [REDACTED]

City, ST, Zip: [REDACTED]



Associated Building Permit #: [REDACTED]



**Public Works  
Engineering**

A dimensioned schematic site plan must be submitted with this application.

**Special Note:**

Trenchless technology cannot eliminate sags in the pipeline. Contractor is responsible for the line and grade, and shall inform owner if trenchless piping is not suitable for the site-specific application. The City of Berkeley prohibits trenchless installation on sewers with less than 1% slope.

Private Sewer Lateral Permits must be obtained by a C-36, C-42, or Class A General Engineering Licensed Contractor.

# Engineering Permit Application PRIVATE SEWER LATERAL (PSL)

**Project Information**

Permit #:

Address:

**Owner Information**

Name:

Address:

Email:

**Contractor Information**

Name:

Company:

State Lic #:

Address:

Email:

**Description of Work** (Complete schematic on page 2)

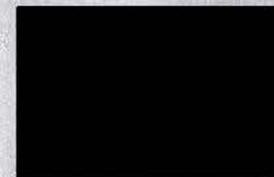
ADU Extension

**Private Sewer Lateral Permit Fees**

Fee Item	Fee	Fee Code	Quantity
Filing Fee	\$22	FP230	<input type="text"/>
Base Permit Fee	\$127	FP100	<input type="text"/>
Engineering Permit Technology Fee	5%	FP420	<input type="text"/>

**Sanitary Sewer**

Sidewalk Inspection (up to curb)	\$190/hr	FP120	<input type="text"/>
Trench Inspection (roadway)	\$190/hr	FP130	<input type="text"/>
Inspection, Private Sewer Lateral	\$34	FP550	<input type="text"/>



**Permit Service Center**  
1947 Center St. 3<sup>rd</sup> floor  
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510-981-7500 TTY 6903  
[permits](#)  
[@cityofberkeley.info](#)

**Schematic for Private Sewer Lateral**

Permit #: [Redacted]

Address: [Redacted]

Description of Work: *ADU Extension*

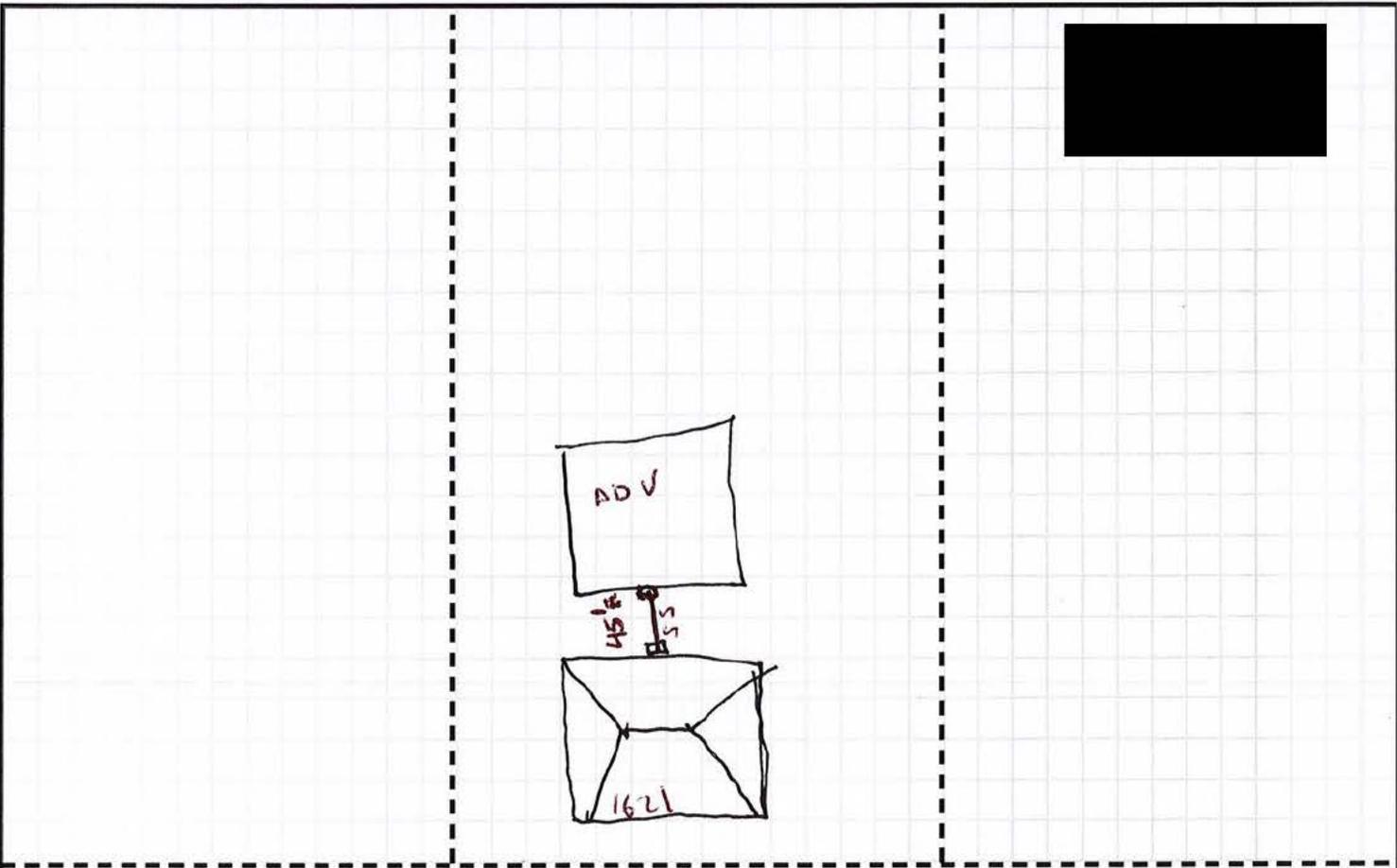
**Contractor Information**

Name: [Redacted]

Phone #: [Redacted]

Address: [Redacted]

City, ST, Zip: [Redacted]



SIDEWALK

PLANTER STRIP

STREET

Please show alignment of sanitary sewer on the plan; show location of all cleanouts. If drainage is re-routed, please show termination point of drainage on these plans. Indicate if sewer is located in an easement area.