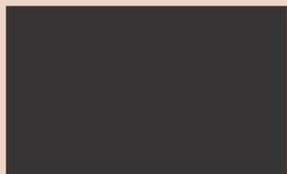


**Building and Safety  
Permit Service Center**

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 #:

Address:

Valuation:  APN:

**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:

Permit(s):  Building  Electrical  Mechanical  Plumbing

Description of Work:

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	VB	R	900	1	1	3
Proposed	VB	R	1517	3	4	3

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

**Applicant Information**  Owner  Agent  Contractor  Design Professional

Name:  Phone #:

Company:  Bus Lic #:

State Lic #:  Lic Class:

Address:  City, Zip:

Email:

**Owner Information**

Name:  Phone:

Address:  City/ST/zip:

Email:

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**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
1	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
<input type="text"/>	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
<input type="text"/>	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
<input type="text"/>	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%
1517	<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
<input type="text"/>	Electrical Permit Extension	\$57.00
<input type="text"/>	Electrical Vehicle Charging Station	\$15.90
<input type="text"/>	Festoon Lighting	\$10.00
<input type="text"/>	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
1	Service - New or Changed <i>Total Amps</i>	\$11.90
<input type="text"/>	Signs and Outline Lighting	\$26.50
<input type="text"/>	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%
1517	<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>	
<input type="checkbox"/>	Fixtures <i>include sanitary drainage/venting</i>	\$12.20
<input type="checkbox"/>	Gas Pipe Outlets <sup>1</sup>	\$5.60
<input type="checkbox"/>	Gas Piping Extension/Alteration/Repair <sup>1</sup>	\$12.20
<input type="checkbox"/>	Gas Pressure Test Only <sup>1</sup>	\$14.10
<input type="checkbox"/>	Gas Meters <i>New or Changed</i> <sup>1</sup>	1 \$13.10 2+ \$9.10
<input type="checkbox"/>	Graywater System <i>Single Family Dwelling, Duplex or ADU</i>	\$39.90
<input type="checkbox"/>	Graywater System <i>All Other Occupancies</i>	\$105.70
<input type="checkbox"/>	Inside Rain Leader	\$27.40
<input type="checkbox"/>	Lawn Sprinkler System <i>Single-Family Dwelling, Duplex or ADU</i>	\$39.90
<input type="checkbox"/>	Lawn Sprinkler System <i>Other Occupancies</i>	\$105.70
<input type="checkbox"/>	Nonpotable Rainwater Catchment System <i>Single-Family Dwelling, Duplex or ADU</i>	\$39.90
<input type="checkbox"/>	Nonpotable Rainwater Catchment System <i>Other Occupancies</i>	\$105.70

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

BERKELEY FIRE DEPARTMENT  
DIVISION OF FIRE PREVENTION  
**APPROVED**  
SUBJECT TO FIELD INSPECTION

DEPARTMENT OF PUBLIC WORKS  
**ENGINEERING DIVISION**  
Sep 20, 2021  
REVIEWED FOR  
CODE COMPLIANCE

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

DEPARTMENT OF PUBLIC WORKS  
**PLANNING & DEVELOPMENT DEPARTMENT**  
LAND USE PLANNING  
APPROVED PLANS  
Sep 20, 2021  
REVIEWED FOR  
CODE COMPLIANCE

**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.

**PUBLIC RIGHT-OF-WAY PERMIT**  
A SEPARATE RIGHT-OF-WAY PERMIT FROM THE DEPARTMENT OF PUBLIC WORKS IS REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT OF WAY.

**SMOKE & CARBON MONOXIDE ALARMS**  
ARE REQUIRED TO BE INSTALLED IN RESIDENTIAL GROUP 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.

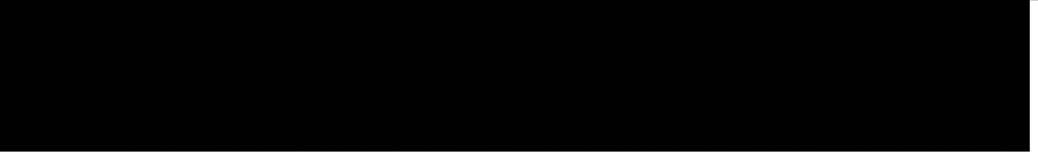
**EMERGENCY ESCAPE WINDOW**  
AN EMERGENCY ESCAPE AND RESCUE WINDOW IS REQUIRED IN BASEMENTS AND EVERY SLEEPING ROOM BELOW THE FOURTH STORY OF GROUP R OCCUPANCIES UNLESS EXEMPT BY CBC SECTION 1030.1. MINIMUM NET WIDTH IS 20 INCHES. MINIMUM NET HEIGHT IS 24 INCHES AND MINIMUM NET AREA OF 5.7 SQUARE FEET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

**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)

PLANNING & DEVELOPMENT DEPARTMENT  
**BUILDING & SAFETY DIVISION**  
REVIEWED FOR CODE COMPLIANCE  
Kong Chung  
Sep 17, 2021

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.



# NEW SINGLE FAMILY DWELLING

- GENERAL NOTES**
- ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE PROJECT SPECIFICATIONS.
  - ALL WORK SHALL MEET OR EXCEED THE MINIMUM STANDARDS OF THE 2019 CALIFORNIA BUILDING CODE AND ALL APPLICABLE CODES AND ORDINANCES.
  - INFORMATION CONTAINED WITHIN THESE DOCUMENTS SHALL NOT BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE APPLICABLE CODES.
  - CONTRACTOR SHALL EXAMINE THE DOCUMENTS AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WHICH MAY BE FOUND PRIOR TO THE START OF WORK.
  - CONTRACTOR SHALL REVIEW ALL DOCUMENTS TO COORDINATE w/ THE (E) CONDITIONS, ANY VARIATIONS AND DISCREPANCIES THAT ARISE IN THIS REVIEW ARE TO BE BROUGHT IMMEDIATELY TO THE OWNER'S ATTENTION.
  - THE CONTRACTOR AND ALL SUBCONTRACTORS ARE REQUIRED TO VISIT AND INSPECT THE SITE PRIOR TO CONSTRUCTION OR ORDERING ANY MATERIALS.
  - ALL DETAILS, SCHEDULES, ADDENDA AND SPECIFICATIONS BOUND SEPARATELY ARE A PART OF THE CONTRACT DOCUMENTS.
  - ITEMS MARKED "NIC" ARE NOT IN CONTRACT. SUCH ITEMS ARE INCLUDED IN THE DOCUMENTS WHEN CONTRACTOR'S COORDINATION IS REQUIRED OR FOR CLARIFICATION OF PROJECT LIMITS.
  - DIMENSIONS:
    - IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM THE DRAWINGS.
    - ALL DIMENSIONS ARE TO THE ROUGH OPENING, UON.
    - ALL DIMENSIONS TO STUD WALLS ARE TO THE FACE OF STUD, UON.
    - CEILING HEIGHT DIMENSIONS ARE FROM FINISHED FLOOR TO FINISHED FACE OF CEILING, UON.
    - ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD BY GENERAL CONTRACTOR AND ALL SUBCONTRACTORS PRIOR TO PROCEEDING WITH CONSTRUCTION.
    - COORDINATE WITH EQUIPMENT CONTRACTORS FOR ROUGH-IN DIMENSIONS AND TEMPLATES.
    - ALL DIMENSIONS NOTED "CLEAR" OR "CLR" MUST BE STRICTLY MAINTAINED. "CLEAR" MEANS DIMENSION FROM FACE OF FINISH TO FACE OF FINISH OR OBJECT.
    - ALL DIMENSIONS NOTED "VERIFY" OR "VIF" ARE TO BE CHECKED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY VARIANCE FROM THE REQUIRED DIMENSIONS MUST BE BROUGHT IMMEDIATELY TO THE ARCHITECT'S ATTENTION.
  - DETAILS MARKED "TYPICAL" SHALL APPLY IN ALL CASES, UON.
  - WHERE NO SPECIFIC DETAIL IS SHOWN, THE FRAMING OR CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO THAT INDICATED FOR LIKE CASES OF CONSTRUCTION ON THE PROJECT.
  - NEW WORK IS NOTED (N) UNLESS NOTED AS (E) FOR EXISTING.
  - THE CONTRACTOR SHALL MEET w/ THE OWNER PRIOR TO THE START OF DEMOLITION TO NOTE WHAT ITEMS, IF ANY, ARE TO BE SALVAGED OR REUSED.
  - THE DRAWINGS INDICATE THE GENERAL EXTENT OF (N) CONSTRUCTION NECESSARY FOR THE WORK, BUT ARE NOT INTENDED TO BE ALL-INCLUSIVE. ALL DEMO AND (N) WORK NECESSARY FOR A FINISHED JOB, IN ACCORDANCE w/ THE INTENTIONS OF THE CONTRACT DOCUMENTS, IS INCLUDED REGARDLESS OF WHETHER SHOWN IN THE CONTRACT DOCUMENTS.
  - PROTECT ALL (E) BUILDING AND SITE CONDITIONS TO REMAIN.
  - CONSTRUCTION NOISE - WORK HOURS ARE REGULATED BY NOISE LEVELS CREATED DURING CONSTRUCTION.
  - ADDRESS ASSIGNMENT IS REQUIRED PRIOR TO FINAL BUILDING PERMIT INSPECTION.



- 1.) Fire Permit Required - The design and installation of the fire sprinkler system in accordance with NFPA 13D-2016 edition must be completed as a deferred submittal under a separate fire permit.
- 2.) Ensure a carbon monoxide alarm is provided in the 2nd Floor (Sheet A6).

## VICINITY MAP



**PROJECT INFORMATION**

ADDRESS: [REDACTED]

PROJECT RECEIVES NO PUBLIC FUNDING

OCCUPANCY: R-3 SINGLE FAMILY RESIDENCE, U ATTACHED GARAGE

CONSTRUCTION: VB

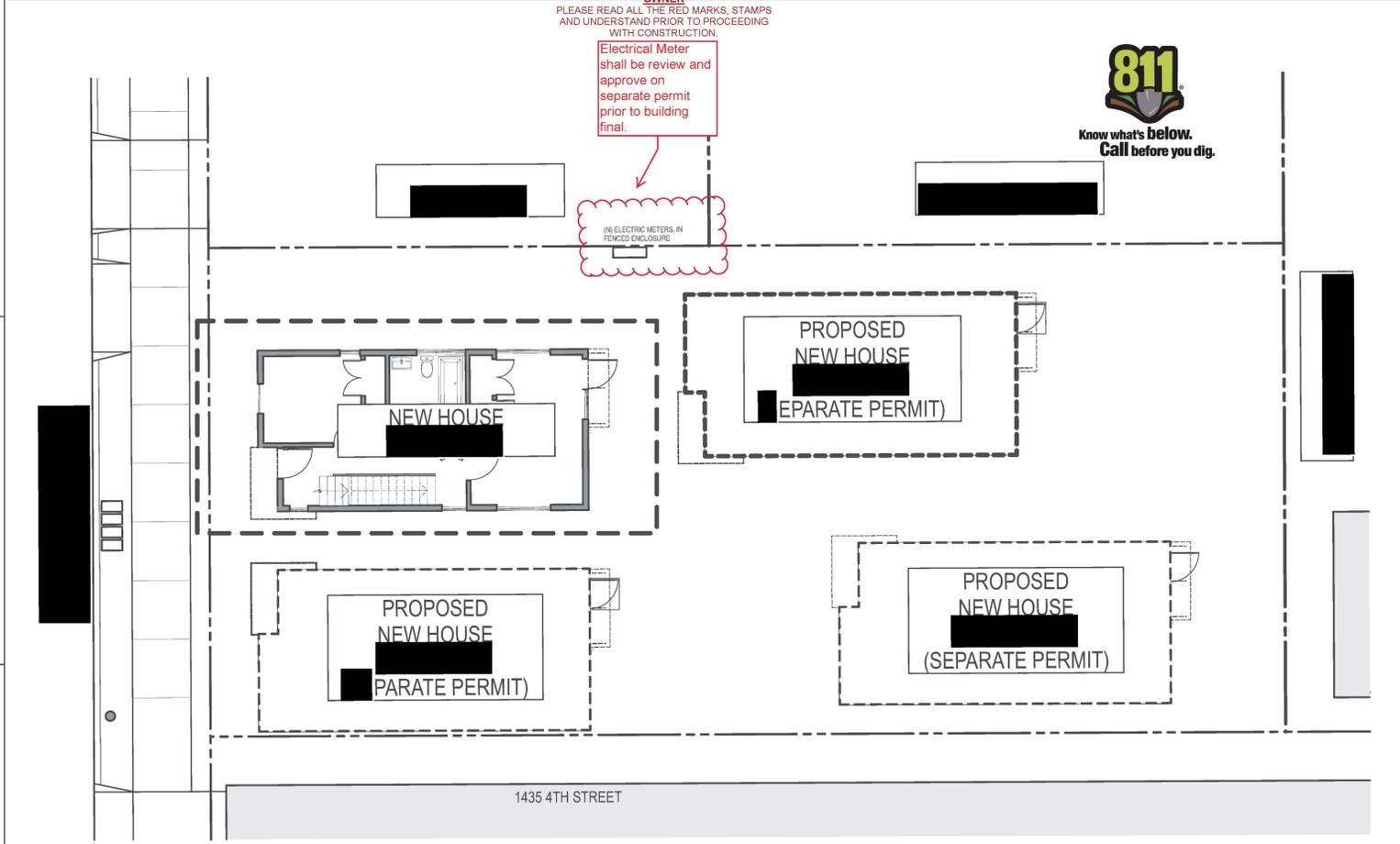
OWNERSHIP: DWELLING SHALL BE PRIVATELY OWNED AS "SITE" CONDOMINIUM, COMMON AREAS SHALL BE OWNED JOINTLY BY HOME OWNER'S ASSOCIATION.

**PROJECT DESCRIPTION**

CONSTRUCT NEW DETACHED, 3 STORY HOUSE.

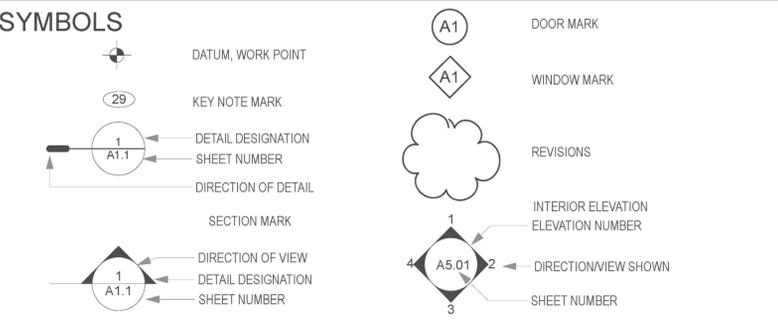
PROJECT SHALL COMPLY WITH 2019 CALIFORNIA FIRE CODE (CFC), 2019 CA RESIDENTIAL CODE (CRC), CA STRUCTURAL CODE (CSC), CA MECHANICAL CODE (CMC), CA ELECTRICAL CODE (CEC), CA PLUMBING CODE (CPC), ENERGY AND CALIFORNIA GREEN BUILDING STANDARDS AND ALL LOCAL ORDINANCES.

PROJECT SHALL COMPLY WITH CALGreen MANDATORY MEASURES DOCUMENTED ON SHEET G1. HERS VERIFICATION REQUIRED BY T-24 ENERGY REPORT. PROVIDE EVIDENCE OF 3RD PARTY VERIFICATION (HERS) TO BUILDING INSPECTOR PRIOR TO FINAL INSPECTION.



**ABBREVIATIONS**

AC	ASPHALTIC CONCRETE	EA	EACH	PTD	PAINTED
AFF	ABOVE FINISH FLOOR	ELEC	ELECTRICAL	QTY	QUANTITY
BLDG	BUILDING	EQ	EQUAL	R	RISER OR RADIUS
BLK	BLOCK	EQUIP	EQUIPMENT	RM	ROOM
BLKG	BLOCKING	EXT	EXTERIOR	S	SOUTH
BM	BEAM	FDN	FOUNDATION	SCD	SEE CIVIL DWGS
CE	CIVIL ENGINEER	FF	FINISHED FLOOR	SE	STRUCTURAL ENGINEER
CLG	CEILING	FLR	FLOOR	SIM	SIMILAR
COL	COLUMN	FT	FOOT OR FEET	SOG	SLAB ON GRADE
CONC	CONCRETE	FTG	FOOTING	SPEC	SPECIFICATION
CTSK	COUNTERSINK	GC	GENERAL CONTRACTOR	SQ	SQUARE
DEMO	DEMOLITION	HB	HOSE BIB	SSD	SEE STRUCTURAL DWGS
DH	DOUBLE HUNG	HDS	HOT DIPPED GALVANIZED	STD	STANDARD
DI	DRAIN INLET	HDR	HEADER	T	TREAD
DIA	DIAMETER	HT	HEIGHT	T	TOP OF
DIM	DIMENSION	MECH	MECHANICAL	TYP	TYPICAL
DN	DOWN	MTL	METAL	UN	UNLESS OTHERWISE NOTED
DR	DOOR	N	NORTH	W	WEST/WIDTH
DS	DOWNSPOUT	(N)	NEW	W	WITH
DTL	DETAIL	NIC	NOT IN CONTRACT	WO	WITHOUT
DWG	DRAWING	NTS	NOT TO SCALE	WF	WIDE FLANGE STEEL
E	EAST	O	OVER	WDW	WINDOW
(E)	EXISTING	OC	ON CENTER	WO	WHERE OCCURS
		OPNG	OPENING		



**SITE PLAN**  
SCALE: 1/8" = 1'-0"

**DRAWING INDEX**

COVER SHEET	A0.1
CONDITIONS OF APPROVAL	A0.2
EXISTING SURVEY	A0.3
SITE PLAN	A1.0
SITE UTILITY PLAN	A1.1
FLOOR PLANS	A2
ELEVATIONS	A3
BUILDING SECTION	A4
STAIRS	A5
ELECTRICAL / LIGHTING / RCP	A6
EXTERIOR DETAILS	A8.1
ROOF DETAILS	A8.2
LANDSCAPE PLAN	L1
TITLE 24 COMPLIANCE	T24
CALGREEN & BMP	G1
STRUCTURAL GENERAL NOTES	S1.0
NOTES AND SCHEDULES	S1.1
TYPICAL DETAILS II	S1.2
TYPICAL DETAILS III	S1.3
TYPICAL DETAILS IV	S1.4
TYPICAL DETAILS V	S1.5
TYPICAL DETAILS VI	S1.6
STRUCTURAL PLANS	S2.0
FOUNDATION DETAILS	S3.0
FOUNDATION DETAILS	S3.1
FRAMING DETAILS	S4.0
DETAILS	S4.1
STRUCTURAL DETAILS	S5.0
SHEARWALL ELEVATIONS	S6.0

**DEFERRED SUBMITTALS**

FIRE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13D, SUBMITTED BY CONTRACTOR/SUB-CONTRACTORS. SOLAR SYSTEM PERMIT.

DEFERRED SUBMITTALS TO BE REVIEWED APPROVED BY OWNER AND ENGINEER OF RECORD PRIOR TO BEING SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL.

**AREA INFORMATION**

LOT AREA: 110.5' X 50' = 5,532 SF

SETBACKS	REQUIRED	PROPOSED
FRONT (5TH ST)	5'	5'
WEST SIDE	0.0'	0.5'
NORTH SIDE	5'	5'
REAR	10'	11.5'

EXISTING: SINGLE FAMILY  
PROPOSED BUILDING AREA

FIRST FLOOR:	561 SF
SECOND FLOOR:	561 SF
THIRD FLOOR:	395 SF
TOTAL:	1,517 SF

GROSS FLOOR AREA: 5,532  
PROJECT FAR: 6,000 SF / 6,250 SF = 1.1

PROPOSED HEIGHT:  
3 STORIES, 35' - 0" (3 STORIES, 35' ALLOWED)

PLANNING & DEVELOPMENT DEPARTMENT  
**BUILDING & SAFETY DIVISION**  
Sep 17, 2021  
REVIEWED FOR  
CODE COMPLIANCE

BERKELEY CA 94710

## PERMIT SET

## COVER SHEET

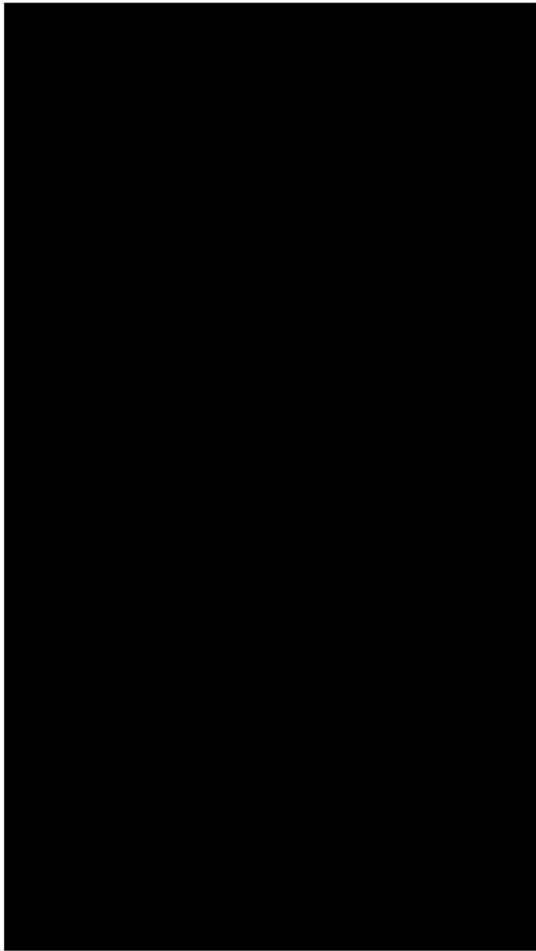
REVISIONS

NO.	DATE	DESCRIPTION
1	7.23.21	PLANCHECK
2	9.01.21	PLANCHECK

DATE 9/1/21  
DRAWN BY: MW  
CHECKED BY: MW

# A0.1

# Structural Engineering Calculations



**PERMIT SUBMITTAL MARCH 29, 2021**



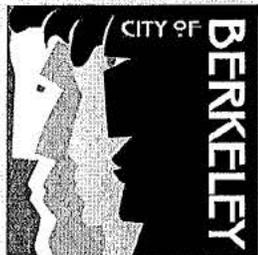
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*Geotechnical & Geoenvironmental Consultants*

## **Geotechnical Investigation for**





**Building and Safety  
Permit Service Center**

Where an application is made for construction as described in California Building Code 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: as required
Agency: _____	Inspections: _____
Agency: _____	Inspections: _____

**Acknowledgements:**

Registered Design Professional in Responsible Charge:  
 [Redacted] 05/25/2021  
 Name Signature Date

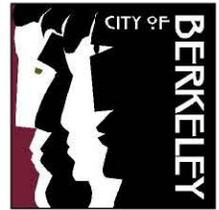
Owner's Authorization:  
 [Redacted] 7/21/23  
 Name Signature Date

Contractor:  
 [Redacted] 9/24/21  
 Name Signature Date

Building Official's Acceptance:  
 [Redacted] 10/06/2021  
 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.

<b>Type of Work</b>	<b>Frequency</b> (circle one)		<b>Specific Test Procedures</b>
<b>Special Cases (CBC § 1705.1.1):</b>			
Epoxy or Mechanical Anchors	C	P	
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>	Visual inspection of reinf. steel, anchors in concrete
<b>Masonry Construction (CBC § 1705.4)</b>	C	P	
<b>Wood Construction (CBC § 1705.5)</b>	C	<b>(P)</b>	Visual inspection
<b>Steel Construction:</b>			
Structural Steel (CBC § 1705.2.1)	C	<b>(P)</b>	Visual inspection of fillet welds
Cold Formed Steel (CBC § 1705.2.2-1705.2.4)	C	P	
<b>Seismic Resistance (CBC § 1705.12 &amp; 1705.13)</b>	<b>(C)</b>	P	Visual inspection of edge nailing, shear wall fastening
<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>	By Geotechnical Engineer



**I. C.3.i Project Information**

This form applies to development projects creating and/or replacing  $\geq 2500 \text{ ft}^2$  to  $< 10,000 \text{ ft}^2$  of impervious surface which are not Special Land Use Categories projects (auto service facilities, retail gasoline outlets, restaurants, and uncovered parking lots). This form also applies to detached single-family home projects, which create and /or replace  $\geq 2500 \text{ ft}^2$  of impervious surface. Interior remodeling projects and routine maintenance or repair projects such as roof or exterior wall surface replacement and pavement resurfacing within the existing footprint are exempt from C.3.i stormwater requirement.

**I.A. Enter Project Data**

I.A.1 Project Name: \_\_\_\_\_

I.A.2 Project Address (include cross street): \_\_\_\_\_

I.A.3 Project APN: \_\_\_\_\_ I.A.4 Project Watershed<sup>1</sup>: \_\_\_\_\_

I.A.5 Applicant Name: \_\_\_\_\_ I.A.6 Date Submitted: \_\_\_\_\_

I.A.7 Applicant Address: \_\_\_\_\_

I.A.8 Applicant Phone: \_\_\_\_\_ I.A.9 Applicant Email Address: \_\_\_\_\_

I.A.10 Development type: (check all that apply)

Residential  Commercial  Industrial  Mixed-Use  Streets, Roads, etc.

'Redevelopment' as defined by MRP: creating, adding and/or replacing exterior existing impervious surface on a site where past development has occurred<sup>2</sup>

'Special land use categories' as defined by MRP: (1) auto service facilities<sup>3</sup>, (2) retail gasoline outlets, (3) restaurants<sup>3</sup>, (4) uncovered parking area (stand-alone or part of a larger project)

I.A.11 Project Description<sup>4</sup>: \_\_\_\_\_  
 (Also note any past or future phases of the project.)

I.A.12 Total Area of Site: \_\_\_\_\_ acres I.A.13 Slope on Site: \_\_\_\_\_ %

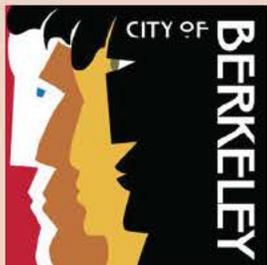
I.A.14 Total Area of land disturbed during construction (include clearing, grading, excavating and stockpile area: \_\_\_\_\_ acres.

**I.B. Enter the amount of impervious and pervious surface<sup>1</sup> created and/or replaced by the project.**

**Table of Impervious and Pervious Surfaces**

Type of Impervious Surface	a	b	c	d
	Pre-Project Impervious Surface (sq.ft.)	Existing Impervious Surface to be Replaced <sup>7</sup> (sq.ft.)	New Impervious Surface to be Created <sup>7</sup> (sq.ft.)	Post-project pervious surface (sq.ft.)
Roof area(s) – excluding any portion of the roof that is vegetated ("green roof")				N/A
Impervious <sup>5</sup> sidewalks, patios, paths, driveways				
Impervious <sup>5</sup> uncovered parking <sup>6</sup>				
Streets (public)				
Streets (private)				
Totals:				
Area of Existing Impervious Surface to remain in place	N/A			
Total New Impervious Surface (sum of totals for columns b and c):				

<sup>1</sup> Watershed is defined by the maps from the Alameda County Flood Control District at <http://acffloodcontrol.org/resources/explore-watersheds>



**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.

		9/20/21
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	1800						
2							
TOTAL	1800						

\* 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: New Single Family Residence

## 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'

Owner/Agent Signature:

(Date)

### 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



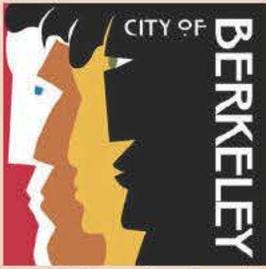
BP # \_\_\_\_\_

<b>Address:</b>		<b>Suite/Unit #:</b> _____	
<b>Project Description:</b> Construct new single family detached house			
<b>Use of Building/Property:</b>		<b>Proposed:</b> Residential	
Existing: Office / Studio			
<b>Related Permits:</b> Have any of the following been approved or requested for this project?			
<input checked="" type="checkbox"/> AUP <input type="checkbox"/> Use Permit <input checked="" type="checkbox"/> Design Review <input checked="" type="checkbox"/> Landmarks			
<b>Project Details (check all that apply):</b>			
<input type="checkbox"/> In-kind repair/replacement (includes windows, decks, siding, etc.) <input checked="" type="checkbox"/> New building or enclosed structure (gross floor area: <u>1,517</u> 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 checked="" 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: Berkeley, CA 94710	

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

Applicant's Signature: Date: 4 / 9 / 2021

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



# FIRE PERMIT APPLICATION

## CONSTRUCTION - EQUIPMENT INSTALLATION

Permit Service Center  
Fire Prevention Division  
Berkeley Fire Dept.

For online information on the permitting process and fire prevention information, please visit: <https://www.cityofberkeley.info/Fire/Home/FirePrevention.aspx>

Fire Permit #: [REDACTED]

### Project Information:

Property Address: [REDACTED]

APN Number: [REDACTED]

Total Project Square Feet: 20,995

Number of Stories: 5

Project Valuation:

NEW INSTALL OF 4" FIRE SERVICE UNDERGROUND PER NFPA

Project Summary:

INSTALL OF FULL NFPA-13 (2022) FIRE SPRINKLER SYSTEM

Single Family Residential

Multi-Family Residential

Commercial

### Owner Information:

Name:  
Address:  
City:  
Phone:  
Email:

[REDACTED]

### Applicant Information:

Name:  
Address:  
City:  
Phone:  
Email:

[REDACTED]

### Contractor Information:

Name:  
State Lic #:  
Address:  
City, State:  
Phone:  
Email:

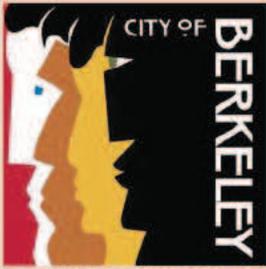
[REDACTED]

Permit Service Center  
1947 Center St. 3<sup>rd</sup> floor  
Berkeley, CA 94704  
[permits@cityofberkeley.info](mailto:permits@cityofberkeley.info)

Fire Inspectors:  
510.981.5585  
Fire Plans Examiner:  
510.981.7447

Associated Building Permit #:  
(if any)

[REDACTED]



# FIRE PERMIT APPLICATION

## CONSTRUCTION - EQUIPMENT INSTALLATION

Permit Service Center  
Fire Prevention Division  
Berkeley Fire Dept.

For online information on the permitting process and fire prevention information, please visit: <https://www.cityofberkeley.info/Fire/Home/FirePrevention.aspx>

Fire Permit #: [Redacted]

### Project Information:

Property Address: [Redacted]

APN Number: [Redacted]

Total Project Square Feet: 1517 Number of Stories: 3

Project Valuation: \$7,700

Project Summary:  
New Automatic Fire Sprinkler System (13D)

Single Family Residential  Multi-Family Residential  Commercial

### Owner Information:

### Applicant Information:

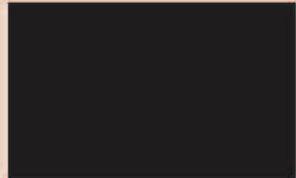
Name: [Redacted]  
Address: [Redacted]  
City: [Redacted]  
Phone: [Redacted]  
Email: [Redacted]

Name: [Redacted]  
Address: [Redacted]  
City: [Redacted]  
Phone: [Redacted]  
Email: [Redacted]

### Contractor Information:

Name: [Redacted] Company: [Redacted]  
State Lic #: [Redacted] Business License #: [Redacted]  
Address: [Redacted]  
City, State: [Redacted] Zip Code: 94513  
Phone: [Redacted]  
Email: [Redacted]

Associated Building Permit #: [Redacted]  
(if any)



Permit Service Center  
1947 Center St. 3<sup>rd</sup> floor  
Berkeley, CA 94704  
[permits@cityofberkeley.info](mailto:permits@cityofberkeley.info)

Fire Inspectors:  
510.981.5585

Fire Plans Examiner:  
510.981.7447

## FEES FOR FIRE PERMIT

Fee Item	Quantity	Unit	Fee/Unit	Sub-Total (Optional)
Minimum Fire Permit Fee includes:				
• Filing Fee	1	Each	\$22	
• Technology Fee	1	Each	5% total permit fee	
• Plan Check Fee	1	Each	\$392/hr	
• Inspection Fee	1	Each	\$392/hr	

## EQUIPMENT INSTALLATION

Automatic Sprinkler		Each	\$392 min	
Extinguishing Systems		Each	\$392 min	
Minor Extinguishing Systems--Alt.		Each	\$196 min	
Underground Water Main		Each	\$392 min	
Fire Pump		Each	\$392 min	
Standpipe		Each	\$392 min	
Window Bars		Each	\$196	
High Pile Storage		Each	\$392 min	

## FIRE ALARM SYSTEMS (REQUIRED)

0-12 Devices		Each	\$392	
13-30 Devices		Each	\$588	
31-49 Devices		Each	\$980	
50+ Devices		Each	\$1176 min	
Water Flow Alarms		Each	\$196	

## TANKS

Additional Inspection plus Min.		Each	\$392/hr	
Remove/Change Flammables/Liquids		Each	\$196 ea	
Add Above/ Below Grade Tank < 4,000 gal.		Each	\$196 ea	
Add Above/ Below Grade Tank 4,000 - 8,000 gal.		Each	\$392 ea	
Add Above/ Below Grade Tank > 8,000 gal.		Each	\$588 ea	
Remove Above Grade Tank (per tank)		Each	\$196 ea	
Remove Below Grade Tank (per tank)		Each	\$392 ea	
Piping & Equipment		Each	\$196 ea	

**Total:**



HYDRAULIC CALCULATIONS

FOR

NEW RESIDENCE

BERKELEY, CA

DESIGN/LAYOUT BY: C

FILE NUMBER:

DATE: NOV 15, 2021

-DESIGN DATA-

OCCUPANCY CLASSIFICATION: RESIDENTIAL

GPM REQ. PER HEAD: 20 gpm

SPRINKLER SPACING: 20' X 20' SQ. FT.

NUMBER OF SPRINKLERS CALCULATED: 1 sprinklers

AUTHORITY HAVING JURISDICTION: CITY OF BERKELEY FIRE DEPARTMENT

CONTRACTOR CERTIFICATION NUMBER: 541016

-SPRINKLERS-

MANUFACTURER: RELIABLE  
MODEL: FLAT PLATE (RA0616)  
SIZE: 1/2"  
K-FACTOR: 4.9K  
TEMP. RATING: 165 DEG.

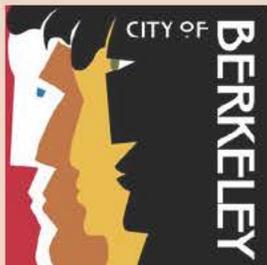
-WATER FLOW-

STATIC: 80  
RESIDUAL: 75  
FLOW: 100 GPM  
PROVIDED BY: EBMUD

-DEMAND-

SPRINKLER REQUIRED PRESSURE: 39.8  
SPRINKLER REQUIRED FLOW: 20.0  
ADDITIONAL FLOWS: 5 GPM  
TOTAL FLOW: 25.0

CALCULATIONS BY



**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.

# ENGINEERING PERMIT APPLICATION

**Project Information**

Permit #: [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**

Driveway Approach, Sidewalk Curb and Gutter Demo and Replaced.



**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

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

**Schematic Site Plan for Engineering Permit**

Permit #:

Address:

Description  
of Work:

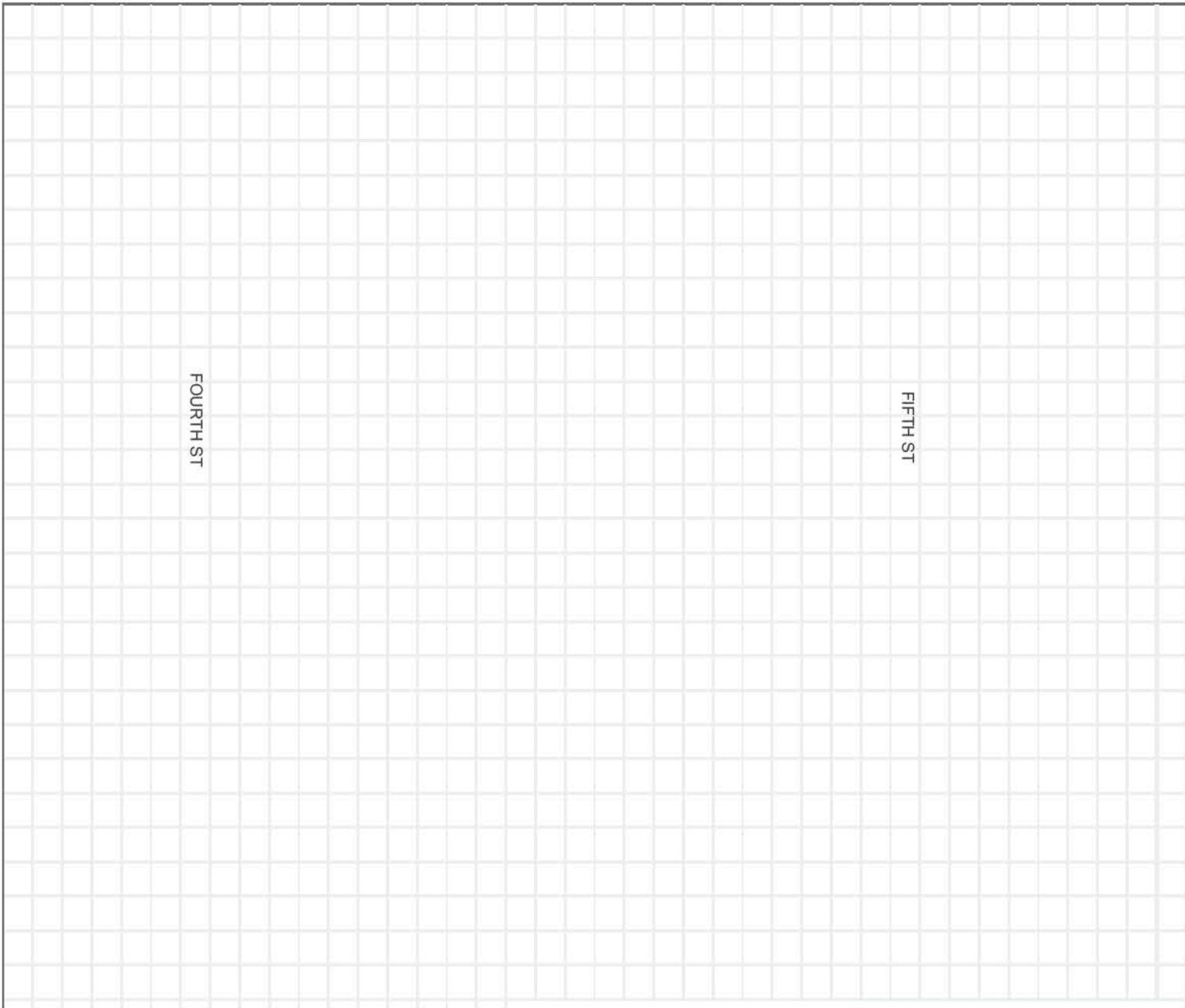
**Contractor Information**

Name:

Phone #:

Address:

City, ST, Zip:

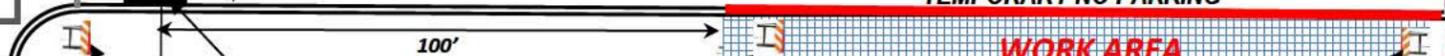
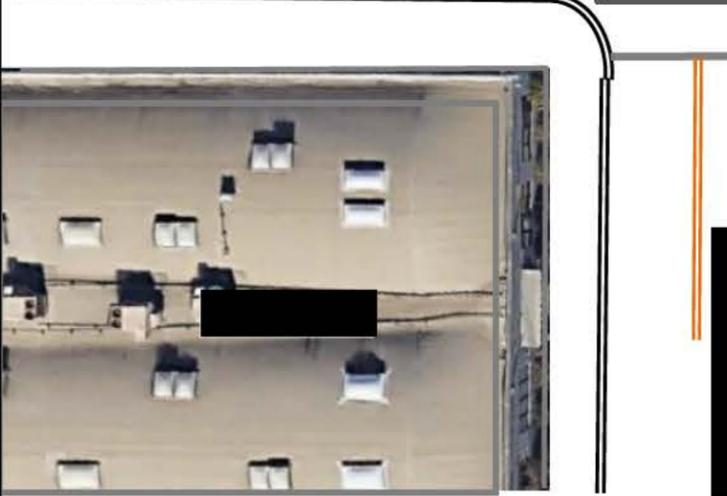


Associated Building Permit #:

TABLES CHART - 2014 MUTCD

Posted Speed	Taper (L) Formula	Buffer Space	Minimum Taper Lengths											Sign Spacing (Per section 6C.04)	
			14' Offset					12' Offset							
			1/2 L	1/3 L	1/3 L	1/3 L	1/3 L	1/2 L	1/3 L	1/3 L	1/3 L	1/3 L	1/3 L		
25	L-W	150'	100'	62'	38'	1-8'	87'	38'	125'	63'	42'	25'	80'	12'	150'-200'
30	L-W	200'	150'	78'	50'	1-8'	87'	38'	180'	90'	60'	30'	80'	15'	120'-240'
35	L-W	250'	200'	100'	68'	2-25'	112'	75'	245'	122'	82'	35'	70'	17'	140'-280'
40	L-W	300'	250'	125'	80'	2-25'	147'	88'	300'	160'	107'	40'	80'	20'	180'-360'
45	L-W	350'	300'	150'	90'	2-25'	182'	95'	360'	180'	130'	45'	90'	25'	240'-480'
50	L-W	400'	350'	175'	100'	2-25'	217'	105'	420'	210'	150'	50'	100'	30'	300'-600'
55	L-W	450'	400'	200'	110'	2-25'	252'	110'	480'	240'	170'	55'	110'	35'	360'-720'
60	L-W	500'	450'	225'	120'	2-25'	287'	115'	540'	270'	190'	60'	120'	40'	420'-840'
65	L-W	550'	500'	250'	130'	2-25'	322'	120'	600'	300'	210'	65'	130'	45'	480'-960'
70	L-W	600'	550'	275'	140'	2-25'	357'	125'	660'	330'	230'	70'	140'	50'	540'-1080'

Both are based on:  
 1.) 95th % Tile or if not available, then use Posted Speed Limit (PSL)  
 L = Taper Length  
 S = Speed  
 W = Width (Offset from path of travel)  
 \*Cones shown on the templates are illustrative purposes only. Exact number of cones required shall be based on cone spacing, taper lengths, actual field conditions, etc.,



GENERAL NOTES:

1. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS.
2. HIGH LEVEL WARNING DEVICES (FLAG TREES) SHALL CONSIST OF A MINIMUM OF TWO FLAGS. THE DISTANCE FROM THE ROADWAY TO THE BOTTOM OF THE FLAG TREE SHALL BE NO LESS THAN 8 FEET. THE FLAG SHALL BE A MINIMUM 16 INCHES SQUARE AND BE ORANGE OR FLUORESCENT RED-ORANGE IN COLOR.
3. ALL WORKERS SHALL BE EQUIPPED WITH A REFLECTIVE VEST AND HARD HAT. ALL FLAGGERS SHALL ALSO BE EQUIPPED WITH A C28 (STOP/SLOW) PADDLE AND BE TRAINED IN THE PROPER FUNDAMENTALS OF FLAGGING TRAFFIC.
4. NO PARKING SIGNS SHALL BE PLACED 72 HOURS PRIOR TO SET-UP SIGNS SHALL BE POSTED EVERY 20 LINEAR FEET OF OCCUPIED SPACE WITH AT LEAST ONE SIGN AT EACH END OF OCCUPIED SPACE.
5. ANY CONFLICTING SIGNS WILL BE COVERED FOR THE DURATION OF THE JOB.
6. ACCESS TO RESIDENCES AND BUSINESSES SHALL BE MAINTAINED AT ALL TIMES. ACCESS TO BE DETERMINED IN FIELD BY EXISTING CONDITIONS. MUST MAKE PRIOR ARRANGEMENT WITH THE PROPERTY OWNER BEFORE CLOSING DOWN ANY DRIVEWAYS.
7. MAINTAIN A SAFE PEDESTRIAN ROUTE. MAINTAIN 11FT LANE UNLESS OTHERWISE NOTED.
8. ALL TRENCHES MUST BE BACK FILLED OR PLATED DURING NON- WORKING HOURS. W8-24(STEEL PLATE AHEAD) SIGN MUST BE PLATE THAT POSTED 250 FEET IN ADVANCE OF ANY IS IN THE ROADWAY.
9. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ALLOW EMERGENCY VEHICLES TO PASS THROUGH THE CONSTRUCTION ZONES WITHOUT ANY DELAYS.
10. PLACE W20-1(ROAD WORK AHEAD) SIGN ON ANY SIDE STREET OR HIGH-VOLUME DRIVEWAY THAT IS WITHIN TRAFFIC CONTROL ZONE.
11. CITY OF BERKELEY ENGINEER OR HIS REPRESENTATIVE HAS THE AUTHORITY TO INITIATE FIELD CHANGES TO ASSURE PUBLIC SAFETY

**SIGN CHART**

ROAD WORK AHEAD W20-1	CONSTRUCTION AHEAD C9A	LANE CLOSED AHEAD W3-4	LANE CLOSED C30(CA)
SHOULDER CLOSED C30A	ROAD WORK AHEAD W16-1	ROAD WORK AHEAD W11-1	ROAD WORK AHEAD RS-11R
KEEP RIGHT R4-7A	ROADWORK AHEAD RS-9	ROADWORK AHEAD RS-11L	ROADWORK AHEAD RS-11L

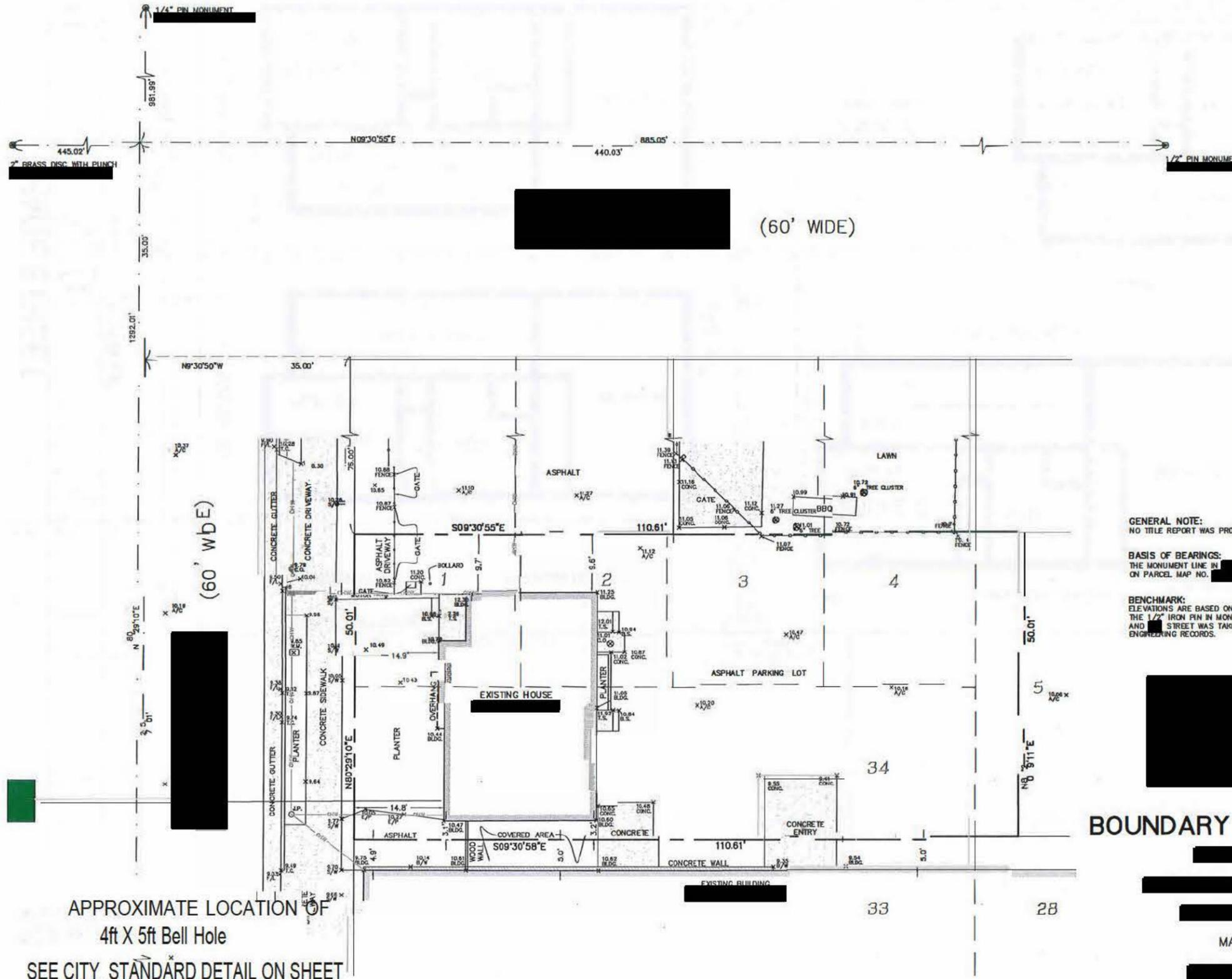
**LEGEND**

	FLAGSTAND WITH SIGN
	TYPE II BARRICADE
	DIRECTION OF TRAVEL
	CHANNELIZING DEVICE
	DRIVEWAY
	FLAGGER

**CA MUTCD 2014 TABLE 6C-1**  
 MEANING OF LETTER CODES ON TYPICAL APPLICATION DIAGRAMS

ROAD TYPE	DISTANCE BETWEEN SIGNS		
	A	B	C
URBAN (LOW SPEED) - 25 MPH OR LESS	100 FEET	100 FEET	100 FEET
URBAN (LOW SPEED) - MORE THAN 25 MPH TO 40 MPH	250 FEET	250 FEET	250 FEET
URBAN (HIGH SPEED) - MORE THAN 40 MPH	350 FEET	350 FEET	350 FEET
RURAL	500 FEET	500 FEET	500 FEET
EXPRESSWAY / FREEWAY	1,000 FEET	1,500 FEET	2,640 FEET

TEMPORARY TRAFFIC CONTROL PLAN  
 SW CURB GUTTER



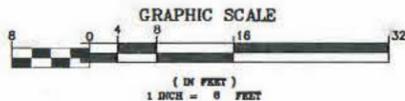
- LEGEND**
- A/C ASPHALT/CONCRETE
  - BBQ BARBECUE
  - BLDG. BUILDING
  - B.S. BASE OF STEPS
  - B/W BASE OF WALL
  - C.O. CLEAN OUT
  - CONC. CONCRETE
  - E/P EDGE OF PAVEMENT
  - F/L FLOW LINE
  - J.P. JOINT POLE
  - OHW OVERHEAD WRES
  - S/W SIDEWALK
  - T.C. TOP OF CURB
  - T.S. TOP OF STEPS
  - W.M. WATER METER
  - ( ) RECORD DATA
  - CHAIN LINK FENCE
  - WOOD FENCE
  - ⊙ FOUND CITY MONUMENT

**GENERAL NOTE:**  
NO TITLE REPORT WAS PROVIDED, EASEMENTS MAY EXIST.

**BASIS OF BEARINGS:**  
THE MONUMENT LINE IN [REDACTED] WAS TAKEN AS NORTH [REDACTED]° WEST AS SHOWN ON PARCEL MAP NO. [REDACTED]

**BENCHMARK:**  
ELEVATIONS ARE BASED ON CITY OF BERKELEY DATUM.  
THE 1/2" IRON PIN IN MONUMENT WELL [REDACTED] AT THE INTERSECTION OF [REDACTED] STREET AND [REDACTED] STREET WAS TAKEN AS ELEV. [REDACTED] 7 FEET PER CITY OF BERK. ENGINEERING RECORDS.

APPROXIMATE LOCATION OF  
4ft X 5ft Bell Hole  
SEE CITY STANDARD DETAIL ON SHEET  
A0.3A FOR PAVING RESTORATION



**BOUNDARY AND TOPOGRAPHIC SURVEY**

MARCH 5, 2018 SCALE: 1" = 8'

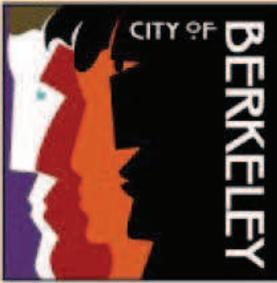
PERMIT SET  
STANDARD  
DETAIL

NO.	DATE	DESCRIPTION
1		REVISIONS

DATE 3/31/21  
DRAWN BY: MW  
CHECKED BY: MW

**A0.3**

NOTE: Paving restoration shall be per moratorium detail



# Miscellaneous PROW Utility Engineering Permit Application

## Public Works Engineering Division

**Required:** Attach your Construction drawing and Traffic Control Plan with Pedestrian Controls to this application. Stamped Drawings may be required. Public Notification required for Telecom at submittal.

Must be a Class A or C-34 to Excavate Berkeley— Business License Required.

By accepting this permit, the applicant agrees to comply with Ordinances of the City of Berkeley, standard plans and specifications of the City Engineer.

City of Berkeley will only recognize City of Berkeley "NO PARK" signs for Work in the Public Right of Way all others will be removed.

**Engineering**  
1947 Center St. 4th floor  
Berkeley, CA 94704  
510-981-6400 TDD 6903  
[pwengineering@ci.berkeley.ca.us](mailto:pwengineering@ci.berkeley.ca.us)

### Project Information

Permit Number: [Redacted]

Utility Company: EBMUD CMS/EMERGENCY

Contact Person: EBMUD NBO

Contact Email: [Redacted] Phone: [Redacted]

Application Group:  Water  Gas  Electric  Telecom  Other

Type of Service:  New Service  Repair  Alteration  Restoration

New Main Line  Infrastructure Install  Other

### Applicant Information

Name: EBMUD NBO Phone: [Redacted]

### Contact Person Information

Name: EBMUD NBO Phone: [Redacted]

### Contractor Information

Name: [Redacted] Phone: [Redacted]

State Lic #: [Redacted] Bus Lic #: [Redacted]

Address: [Redacted]

City, State: [Redacted] Zip Code: [Redacted]

### Billing Information

Name: [Redacted]

Address: [Redacted] 94607

City, State: [Redacted] Zip Code: 94607

Phone: [Redacted] Email: [Redacted]

### Permissions is hereby given to excavate on

Side of Street: South House No. or Str. with Cross Str.: [Redacted]

Permit Activity/Purpose: Install 4-meter branch service with 4-1" dual services to serve [Redacted]

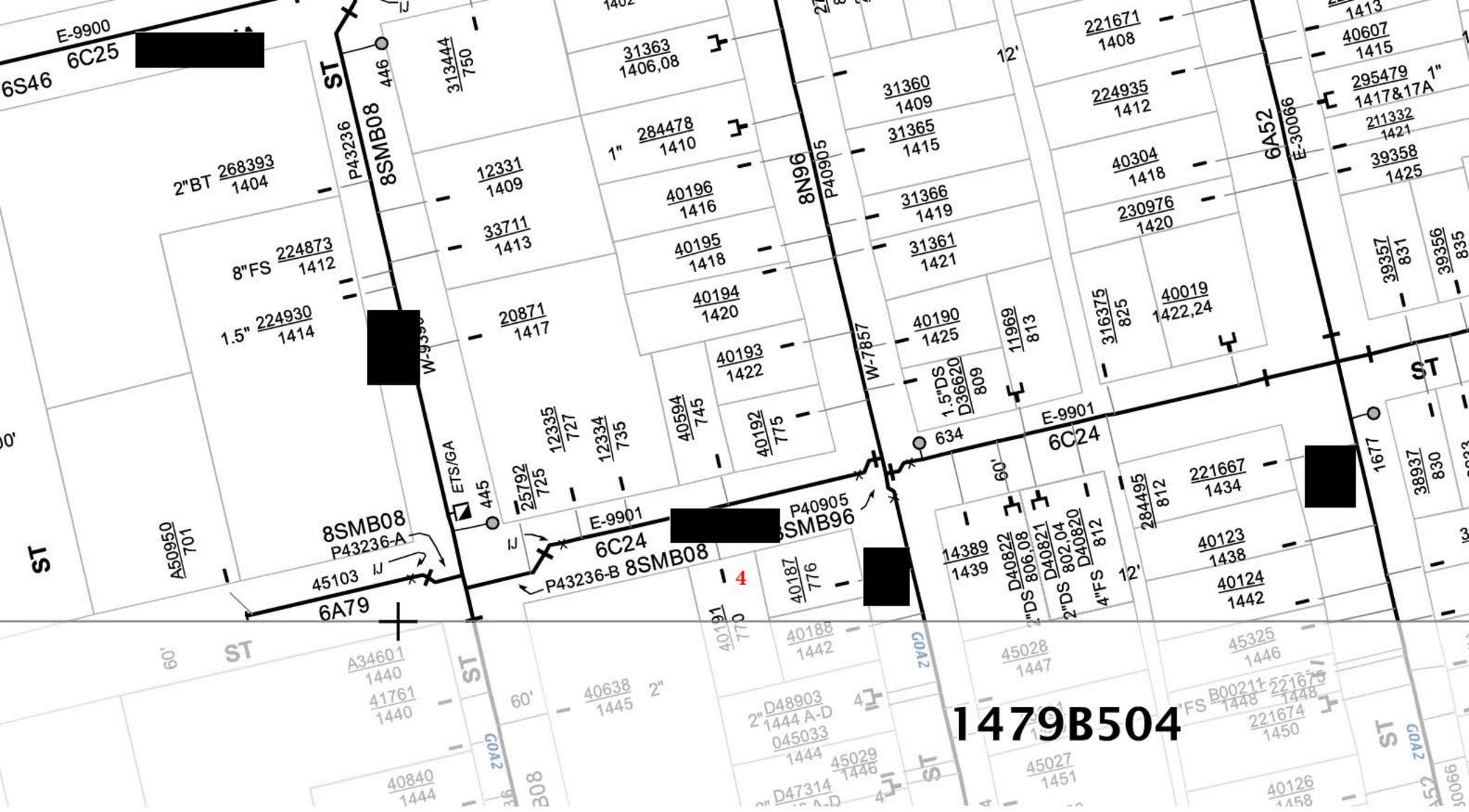
PM # or GWO: [Redacted] Plans: [Redacted]

Estimated Start Date: 09/07/2022 Estimated Completion Date: 03/07/2023

# Miscellaneous PROW Utility Engineering Permit Application

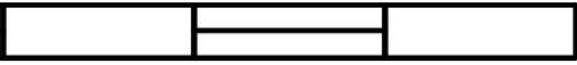
## FEES FOR ENGINEERING PERMIT

Fee Item	Quantity	Unit	Fee/Unit	Code	Sub-Total
<b>Minimum Payable at Submittal (no survey review) = \$554.35</b>					
For submittal includes:					
• Minimum Permit Fee (assessed if subtotal is less than \$100)	1	Each	\$127.00	FP100	
• Base Filing Fee	1		\$22.00	FP230	
• Technology Fee	1		\$23.35 (5%)	FP420	
• Initial Plan Review	2		\$190.00	FP1000	
<b>Minimum Payable at Submittal (with survey review) = \$753.85</b>					
For submittal includes:					
• Minimum Permit Fee (assessed if subtotal is less than \$100)	1	Each	\$127.00	FP100	
• Base Filing Fee	1		\$22.00	FP230	
• Technology Fee	1		\$35.85 (5%)	FP420	
• Initial Plan Review	3		\$190.00	FP1000	
<b>Additional Fees below that are applicable are due prior to Permit Issuance</b>					
Miscellaneous Inspection		Each	\$190.00/hr	FP200	
Electrical Inspection (meter)		Each	\$153.00/hr	FP210	
Resubmittal Plan Review		Each	\$190.00/hr	FP1000	
Additional Survey		Each	\$190.00/hr	FP1000	
Construction Parking Base Fee		Each	\$34.00	FP160	
No Park Signs		Each	\$15.00	FP170	
Time Zone/ Metered Area (daily)		Each	\$15.80	FP190	
Time Zone/ Metered Area (weekly)		Each	\$79.00	FP180	
Replacement No Park Sign		Each	\$5.00	FP610	
<b>Total:</b>					<b>\$0.00</b>



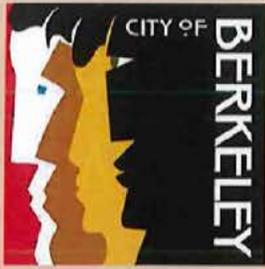
**1479B504**

00 800 900 1000



H EXTENSION NUMBERS IN THE

CITY	BERKELEY	TYPE	DESIGNATION
COUNTY	ALAMEDA		



**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:  Phone:

Address:

Email:

**Contractor Information**

Name:  Phone:

Company:  Bus Lic #:

State Lic #:  Lic. Class:

Address:  City, Zip:

Email:

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

Installation of Sewer Lateral (PRIVATE)

**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"/>
<b>Sanitary Sewer</b>			
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  
Berkeley, CA 94704  
510-981-7500 TTY 6903  
[permits@cityofberkeley.info](mailto:permits@cityofberkeley.info)

**Schematic for Private Sewer Lateral**

Permit #: [Redacted]

Address: [Redacted]

Description of Work:

Installation of sewer lateral.

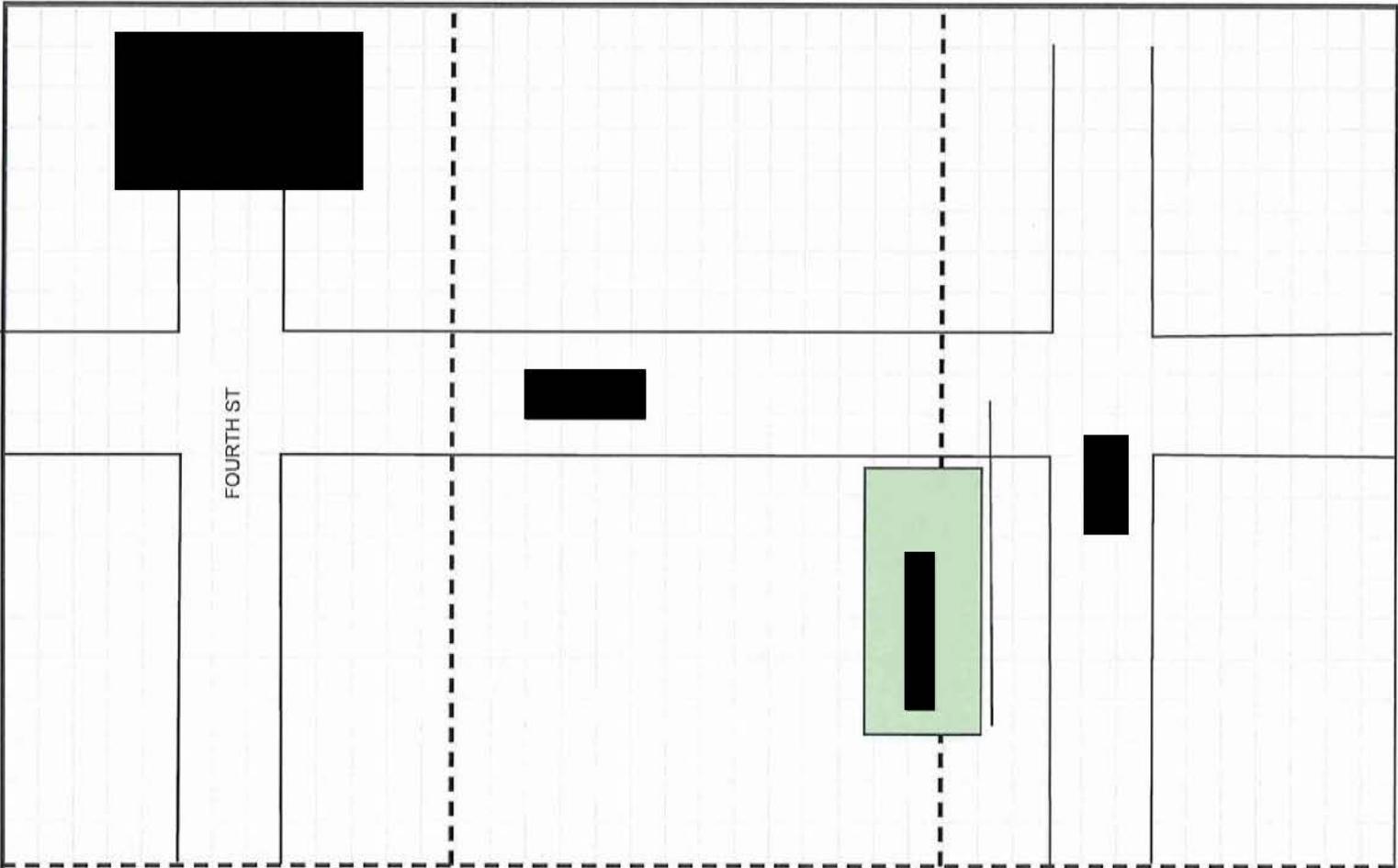
**Contractor Information**

Name: [Redacted]

Phone #: [Redacted]

Address: [Redacted]

City, ST, Zip: [Redacted]

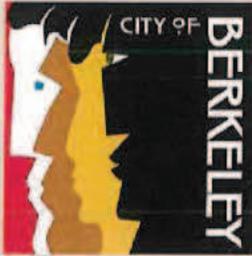


SIDEWALK

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.



**Public Works  
Engineering**

A dimensioned schematic must be completed on page 2 of this application.

No Parking signs must be posted **72 hours** before prohibitions are enforced. The printed permit and attachments must be on site for towing enforcement.

Call (510) 981-5900 (Berkeley Police Non-Emergency) to tow vehicles parked in permitted spaces.

Permits issued to private parties may be temporarily suspended when reasonably necessary for public convenience or safety (BMC 16.16.050).

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

# Engineering Permit Application

## TEMPORARY NO PARKING SIGNS

### Project Information

Permit #:	[REDACTED]		
Address:	[REDACTED]		
Start Date:	9/3/2021	End Date:	9/17/2021
Start Time:	7:00AM	End Time:	5:00PM M-Friday

### 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]		

### Parking Request Details (Complete Schematic on page 2)

Temporary No Parking Signs per attached approved TCP for permit [REDACTED]
--

### Permit Fees for Temporary Right of Way and No Parking

Fee Item	Fee	Fee Code	Quantity
Filing Fee	\$22	FP230	[REDACTED]
Base Permit Fee	\$34	FP160	[REDACTED]
No Parking Sign	\$15	FP170	[REDACTED]
Replacement Sign/Cab Card	\$5	FP610	[REDACTED]
Timed Zone/ Metered Area (Weekly)	\$79	FP180	[REDACTED]
Timed Zone/ Metered Area (Daily)	\$15.80	FP190	[REDACTED]
<b>Temporary Right of Way Use</b>			
Base Permit Fee	\$127	FP160	[REDACTED]
Monthly Fee	\$221	FP250	[REDACTED]
R/W Inspection Fee (hourly)	\$190	FP430	[REDACTED]
_____ Curb LF x _____ mo	\$7.50	FP260	[REDACTED]
Debris Box/ Moving Containers/ PODs	\$100	FP270	[REDACTED]

**No Parking Schematic**

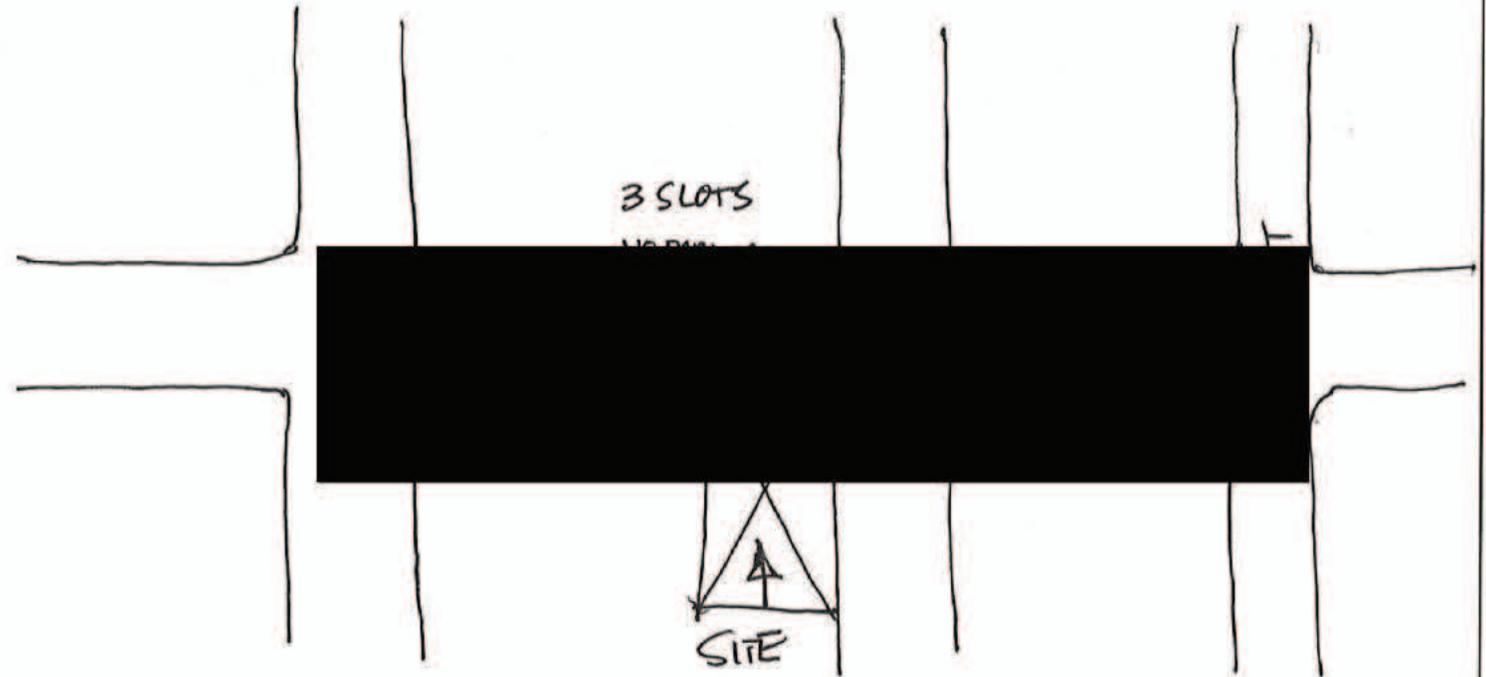
Permit #:

Address:  Berkeley, CA

**Primary Contact**

Name:  Phone #:

Address:  City/ST/Zip:



Associated Building Permit #:

**Parking Spaces**

**Meter Numbers**

**Start**

**End**

Standard Spaces:	<input type="text"/>	<input type="text"/>	Date:	<input type="text"/>	<input type="text"/>
Restricted Spaces:	<input type="text"/>	<input type="text"/>	Time:	<input type="text"/>	<input type="text"/>
Metered Spaces:	<input type="text"/>	<input type="text"/>			