



**FLOOD DEVELOPMENT PERMIT APPLICATION FOR SPECIAL FLOOD HAZARD ZONE  
 (City Code Section 8.163.1)**

**I. Project and Contact Information**

- A. Address: \_\_\_\_\_
- B. Assessor's Parcel No.(s): \_\_\_\_\_
- C. Owner: \_\_\_\_\_ Signature: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Email: \_\_\_\_\_
- D. Applicant: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Email: \_\_\_\_\_
- E. Description of Work: \_\_\_\_\_
- |  |   |
|--|---|
| <input type="checkbox"/> New Residential (including ADUs)      | <input type="checkbox"/> New Commercial/Industrial/Office           |
| <input type="checkbox"/> Residential Remodel                   | <input type="checkbox"/> Commercial/Industrial/Office with Addition |
| <input type="checkbox"/> Residential Remodel with Addition     | <input type="checkbox"/> Tenant Improvement Only                    |
| <input type="checkbox"/> New Mechanical Equipment <sup>1</sup> |   |

PCE—LDE Initial: \_\_\_\_\_

<u>Public Works Department Use</u>
Flood Development Permit No.: _____
Planning Application No.: _____
Building Permit No.: _____
Elevation Certificate Permit No.: _____
Floodproofing Certificate Permit No.: _____
Applicable Code: <input type="checkbox"/> CRC R332 <input type="checkbox"/> CBC 1612/ASCE 24
Public Works Director Approval Required? <input type="checkbox"/> Yes <input type="checkbox"/> No
Elevation Certificate Required? <input type="checkbox"/> Yes <input type="checkbox"/> No
Floodproofing Certificate Required? <input type="checkbox"/> Yes <input type="checkbox"/> No
Date Elevation Certificate Received: _____
Applicant Applying for: <input type="checkbox"/> CLOMR <input type="checkbox"/> LOMA <input type="checkbox"/> CLOMR-F <input type="checkbox"/> LOMR-F

**II. Substantial Improvement Calculation Over the Last Five Years (If Not New Construction)**

- A. Market value of each existing structure that is to remain within the flood zone: \$ \_\_\_\_\_  
 Based on County Assessor<sup>2</sup>     Other (Sale, etc.): \_\_\_\_\_
- B. Estimated cost of new improvements for each existing structure that is to remain within the flood zone: \$ \_\_\_\_\_  
 Valuation     Estimate by Contractor
- C. Have there been any improvements to the existing structure(s) in the last five years? \$ \_\_\_\_\_  
 Yes; List the sum of valuations within the last five years.<sup>3</sup>     No
- D. Cost of improvements to existing structure as a %: (item B + item C)/(item A) x 100 = \_\_\_\_\_%
- E. Additional Documentation: If (25% ≤ item D < 50%), applicant must provide additional documentation<sup>3</sup> for Items A and B.  
 Yes; 25% ≤ Item D < 50%, and the additional information is provided and attached.  
 No; Item D < 25% or D ≥ 50%; proceed to Item F.
- F. Substantial Improvement Determination  
 Item D < 50% and there are no additions to the structure nor new mechanical equipment; applicant does not need to fill out the rest of this form.  
 Item D ≥ 50% and/or there are additions to the structure or new mechanical equipment; applicant must fill out the remainder of this form.  
 Other (to be filled in by City staff): \_\_\_\_\_

<sup>1</sup> Includes, but is not limited to, EV chargers, AC units, etc. Must fill out Sections III and IV regardless of the substantial improvement calculation made in Section II.

<sup>2</sup> Shall use either the Structures + Fixtures value or the Improvements value from [sccassessor.org](http://sccassessor.org).

<sup>3</sup> Applicant may request this information from the Public Works Department if unknown.

### III. Flood Insurance Rate Map (FIRM) and Elevation Information

- A. 1. Provide with this application one PDF of plans drawn to scale showing the nature, location, dimensions, and elevations of: (1) the area in question; and (2) existing or proposed structures, including attached garage and lowest mechanical equipment, fill, storage of materials, and drainage facilities. All elevations must be expressed in the 1988 North American Vertical Datum (NAVD 88) and reference a [City benchmark](#).<sup>4</sup>

Yes, provided; Title of attached document: \_\_\_\_\_ Date of Plan: \_\_\_\_\_

2. Datum used to determine elevations (City benchmark number and corresponding elevation): \_\_\_\_\_

3. City Benchmark Used:  NAVD 88  NGVD 29  Other: \_\_\_\_\_

- B. Flood zone designation of the development as indicated on the Federal Insurance Rate Maps (FIRM) (may select more than one flood zone if applicable).

AE  AO (1')  AH  A  AO (2')  X Date of Map Issuance: \_\_\_\_\_

- C. **Residential:** Fill out this table for the applicable zone with elevations to the nearest tenth:

Zone:	AE	A	AO (1')	AO (2')	AH
<b>Design Parameters</b>					
1. Base Flood Elevation (BFE): (100-year as indicated on the FIRM)			1'	2'	
2. Base Flood Elevation Source: (CMV Storm Drain Study, LOMR/LOMA, other: explain)	N/A		N/A	N/A	N/A
3. Highest (finished) adjacent grade next to building (HAG):					
4. Lowest (finished) adjacent grade next to building (LAG):					
5. LAG at lowest elevation of deck or stairs, including structural support:					
6. Finished floor/design elevation per City Code (=BFE +1') or (=HAG + BFE + 1' for AO Zones):					
<b>Elevations Shown on Construction Documents</b>					
7. Top of bottom floor (including basement, crawlspace, or enclosure floor, below-grade garage floors):					
8. Top of next higher floor:					
9. Attached garage (top of slab):					
10. Lowest elevation of machinery or equipment servicing the building: <sup>5</sup>					
11. Other: _____					
12. Is top of bottom floor (C7) or slab of attached garage (C9) less than design elevation (C6)?	<input type="checkbox"/> Yes; flood openings required, fill out Item D. <input type="checkbox"/> No; skip Item D. <input type="checkbox"/> N/A due to scope.				
13. Is the lowest elevation of machinery or equipment servicing the building (C10) is less than the design elevation (C6)?	<input type="checkbox"/> Yes; additional information required, fill out Item G. <input type="checkbox"/> No; skip Item G. <input type="checkbox"/> N/A				

<sup>4</sup> Find the City benchmark data here: [www.mountainview.gov/home/showpublisheddocument/2548/637958123057870000](http://www.mountainview.gov/home/showpublisheddocument/2548/637958123057870000)

<sup>5</sup> Includes, but is not limited to, EV chargers, AC units, etc.

- D. Residential:** Fill out the below information if your development is residential and the top of bottom floor (C7) is less than the design elevation (C6):
1. Square footage of crawlspace or enclosure (not including attached garage): \_\_\_\_\_ square feet
  2. Number of permanent flood openings within 1.0' above adjacent grade (not including attached garage):  
List sizes of each flood opening: \_\_\_\_\_  
\_\_\_\_\_
  3. Total equivalent net area of flood openings in D2 (not including attached garage): \_\_\_\_\_ square feet
  4. Engineered flood openings?
    - Yes; copy of Flood Openings Certification or ICC ES Evaluation Report attached.
    - No; using nonengineered ratio at 1 square inch per 1 square foot
  5. Is the total net area of flood openings (D3) greater than or equal to the square footage of the crawlspace (D1)?
    - Yes; proceed to D6.
    - No; applicant to revise D3 design.
  6. Elevation of crawlspace (C7): \_\_\_\_\_'
  7. Elevation at the bottom of the flood opening: \_\_\_\_\_'
  8. Is the elevation at the bottom of the flood opening (D7) minus the elevation of the crawlspace (D6) less than or equal to 1'?
    - Yes
    - No; applicant to revise D7.
  9. Does the residential structure have an attached garage?
    - Yes; fill out D10-D16.
    - No; skip D10-D16.
  10. Square-footage of attached garage: \_\_\_\_\_ square feet
  11. Number of permanent flood openings within 1.0' above adjacent grade:  
List sizes of each flood opening: \_\_\_\_\_  
\_\_\_\_\_
  12. Total net area of flood openings in D11: \_\_\_\_\_ square feet
  13. Engineered flood openings?
    - Yes; copy of Flood Openings Certification or ICC ES Evaluation Report attached.
    - No; using nonengineered ratio at 1 square inch per 1 square foot
  14. Is D12 greater than or equal to D10?
    - Yes
    - No; applicant to revise D11 and D12 design.
  15. Elevation of garage slab (C9): \_\_\_\_\_'
  16. Elevation at the bottom of the flood opening: \_\_\_\_\_'
  17. Is the elevation at the bottom of the flood opening (D16) minus the elevation of the garage slab (D15) less than or equal to 1'?
    - Yes
    - No; applicant to revise D16.

**E. Commercial and Mixed-Use:** Fill out this table for the applicable zone with elevations to the nearest tenth:

Zone:	AE	A	AO (1')	AO (2')
<b>Design Parameters</b>				
1. Base Flood Elevation (BFE): (100-year as indicated on the FIRM)			1'	2'
2. Base Flood Elevation Source: (CMV Storm Drain Study, LOMR/LOMA, other)	N/A		N/A	N/A
3. Highest (finished) adjacent grade next to building (HAG):				
4. Lowest (finished) adjacent grade next to building (LAG):				
5. LAG at lowest elevation of deck or stairs, including structural support:				
6. Finished floor/design elevation per City Code (=BFE + 1') or (=HAG + BFE + 1' for AO Zones):				
<b>Elevations Shown on Construction Documents</b>				
7. Top of bottom floor (including basement, crawlspace, or enclosure floor, below grade garage floors):				
8. Top of next higher floor:				
9. Lowest elevation of machinery or equipment servicing the building: <sup>6</sup>				
10. Is top of bottom floor (E7) less than design elevation (E6)?	<input type="checkbox"/> Yes; floodproofing is required, fill out Item F. <input type="checkbox"/> No; skip item F. <input type="checkbox"/> N/A due to scope.			
11. Is the lowest elevation of machinery or equipment servicing the building (E9) less than the design elevation (E6)?	<input type="checkbox"/> Yes; additional information required, fill out Item G. <input type="checkbox"/> No; skip Item G. <input type="checkbox"/> N/A			

**F. Commercial and Mixed-Use:** Fill out the below information if your development is commercial or mixed-use and the top of bottom floor (E7) is less than the design elevation (E6):

1. Wet or dry floodproofing?
  - Wet
  - Dry
2. Describe floodproofing method: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
3. Are the supporting documents attached?
  - Yes; title of attached documents: \_\_\_\_\_

**G. New Machinery:** Fill out the below information if the lowest elevation of machinery or equipment servicing the building (C10 or E9) is less than the design elevation (C6 or E6):

1. If the elevation of proposed machinery or equipment servicing the building is less than design elevation, documentation showing compliance per Section 8.174.8 of the Mountain View City Code must be attached. Are supporting documents attached?
  - Yes; title of attached document: \_\_\_\_\_
  - N/A

<sup>6</sup> Includes, but is not limited to, EV chargers, AC units, etc.

**H. Other Permits:**

1. Will any watercourse be altered or relocated as a result of the proposed development? If so, provide the City or its designee with the necessary data, calculations, and information in order to determine that the proposed development does not adversely affect the carrying capacity of areas where base-flood elevation have been established but a floodway has not been designated (Section 8.164.3.c).  
 Yes; title of attached document: \_\_\_\_\_  
 N/A
2. Are any other State or Federal permits required?  
 Yes; title of attached document: \_\_\_\_\_  
 No
3. Is this part of a subdivision? If so, refer to Section 8.172 of the City Code for additional requirements.  
 Yes; City Code Section 8.172 acknowledged.  
 No
4. Will any structures be demolished as part of this building permit?  
 Yes; number of structures to be demolished: \_\_\_\_\_  
 No

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**IV. Civil Engineer, Architect, or Surveyor Certification**

I, \_\_\_\_\_, Registered Professional Engineer/Professional Land Surveyor/Architect No. \_\_\_\_\_, which expires on \_\_\_\_\_, certified on this \_\_\_ day of \_\_\_\_\_ 20\_\_\_, that I have reviewed Chapter 8, Article VIII of the City of Mountain View Code pertaining to floodplain management as established by Ordinance No. 4.2023 (April 25, 2023) and that all provisions of the said Ordinance will be satisfied based on the facts provided on the proposed development plans, and the facts on this permit are correct.

Further, at the completion of the proposed improvements, I, as the Civil Engineer/Architect/Professional Land Surveyor, shall provide the necessary certificates as required by the Ordinance.

\_\_\_\_\_  
Signature

(Seal)

Registration No.: \_\_\_\_\_

Expiration Date: \_\_\_\_\_

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**V. Public Works Director Approval or Denial**

1. \_\_\_\_\_  
Signature

Approved: \_\_\_\_\_  
Date

2. \_\_\_\_\_  
Signature

Denied: \_\_\_\_\_  
Date

Attachments:

1. Grading plan with finished floor, garage floor, Base Flood Elevation (BFE), Highest Adjacent Grade (HAG), Lowest Adjacent Grade (LAG), lowest mechanical equipment (i.e., A/C or HVAC or water heater) highlighted.
2. Substantial Improvement Worksheet     Yes     No
3. \_\_\_\_\_

cc: Owner  
Applicant  
F (Flood Development Permits), File (\_\_\_\_\_), APWD—Arango, SCE—Gunn