

# STAFF REPORT PLANNING MANAGER DECISION

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June 17, 2016

FILE NO.:

MIS-16-02

**REQUEST:** 

The applicant requires Flood Management Area (FMA) and Willamette and

Tualatin River Protection area permits to construct a new house at 5005

Mapleton Drive.

PLANNER:

Peter Spir, Associate Planner



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## **GENERAL INFORMATION**

OWNER: Garrin Royer, 3050 Roxbury Drive, West Linn, OR. 97068

APPLICANT: Scott Edwards Architecture, Attn: Joe Broders, 2525 E. Burnside St., Portland OR

97214

**SITE LOCATION:** 5005 Mapleton Drive

SITE SIZE: 26,180 square feet

**LEGAL** 

**DESCRIPTION:** Assessor's Map 2-1E-24AC Tax Lot 600

**COMP PLAN** 

**DESIGNATION:** Low Density Residential

**ZONING:** R-10, Single-Family Residential Detached (10,000 square foot minimum

lot size)

**APPROVAL** 

**CRITERIA:** Community Development Code (CDC) Chapter 27 Flood Management

Area (FMA), Chapter 28 Willamette and Tualatin River Protection Area,

Chapter 11 (R-10)

**120-DAY RULE:** The application became complete on April 28, 2016. The 120-day period

therefore ends on August 30, 2016.

**PUBLIC NOTICE:** Notice was mailed to property owners within 300 feet of the subject

property and all neighborhood associations on May 17, 2016. A sign was placed on the property on May 17, 2016. The notice was also posted on the City's website. Therefore, public notice requirements of CDC Chapter

99 have been met.

# **EXECUTIVE SUMMARY**

The property at 5005 Mapleton Drive (See Figure 1) is currently occupied by a single family home which is located within the 100-year floodplain. The applicant proposes to demolish the house and build a new one, substantially in the same location. (See Figure 2.) A FMA permit is required; primarily to demonstrate that the new house will not adversely modify floodwaters and to ensure that the home's first habitable floor is at least one foot above the 100-year flood elevation. The base flood (100-year) elevation (BFE) is 46 feet.

There is also a Habitat Conservation Area (HCA) on the property. HCAs are administered under the provisions of CDC Chapter 28: Willamette and Tualatin River Protection Area. The proposed area of construction is outside the Willamette River Greenway boundary and within the area "Not Designated as an HCA". (See Figure 3.)

# **Public comments:**

Staff has not received any public comments.

### DECISION

The Planning Manager (designee) approves this application (MIS-16-02), based on: 1) the findings submitted by the applicant, which are incorporated by this reference, and 2) supplementary staff findings included in the Addendum below. With these findings, the applicable approval criteria are met. The following conditions of approval shall apply:

- 1. <u>Elevation Certificate</u>. Prior to issuance of an occupancy permit, the applicant's engineer shall submit a signed post construction Elevation Certificate to the Planning Department to demonstrate that all the structural elements of the finished habitable floor are at least one foot above the base flood elevation of 46 feet.
- 2. <u>Floodplain displacement.</u> The applicant's engineer shall provide a "no rise" certification that confirms that the proposed design has adequate venting ("one for one") on two sides of the "at grade" spaces/garage that automatically equalize flood levels per the Engineer's stamped plan so that encroachment into the floodway fringe will not result in a significant increase in the flood levels. The perimeter foundation wall will contain the required openings/louvers no more than one foot above grade.
- 3. <u>Landscaping</u>. All landscaping within the HCA will be native per 28.050(5) while landscaping in the "Habitat and Impact Areas Not Designated as HCAs" may include nonnative vegetation.
- Mechanicals. All mechanicals (HVAC etc.) must be elevated above the Base Flood Elevation (BFE).
- 5. <u>Standards.</u> The applicant/builder will comply with applicable state, federal and local standards regarding construction and building elements below the BFE and within the floodplain.

The provisions of the Community Development Code Chapter 99 have been met.

Peter Spir

June 17, 2016

PETER SPIR, Associate Planner

DATE

Appeals to this decision must be filed with the West Linn Planning Department within 14 days of the mailing date listed below. The cost of an appeal is \$400. The appeal must be filed by an individual who has established standing by submitting comments prior to the date identified in the public notice. Appeals will be heard by City Council.

Mailed this 17th day of June, 2016.

Therefore, the 14-day appeal period ends at 5 p.m., on July 1, 2016.

 Note to Builder/Applicant: As part of the building permit process, a six-foot wide sidewalk must be installed along the 82 feet of Mapleton Drive frontage.
 Alternately, the applicant may propose to pay fees in lieu based upon engineered bids for the improvement and approved by the City's development engineer.

# ADDENDUM: STAFF FINDINGS IN RESPONSE TO APPROVAL CRITERIA

## CHAPTER 11, SINGLE-FAMILY RESIDENTIAL DETACHED R-10

11.030 Permitted Uses

The following are uses permitted outright in this zoning district

1. Single-family detached residential unit.

Staff Finding 1: The property proposes one single-family detached residential home which is permitted per this criteria. The criterion is met.

11.070 Dimensional Requirements, Uses Permitted Outright and Uses Permitted Under Prescribed Conditions

Except as may be otherwise provided by the provisions of this code, the following are the requirements for uses within this zone:

- 1. The minimum lot size shall be 10,000 square feet for a single-family detached unit. (...)
- 5. Except as specified in CDC  $\underline{25.070}(C)$  (1) through (4) for the Willamette Historic District, the minimum yard dimensions or minimum building setback area from the lot line shall be:
- a. For the front yard, 20 feet; except for steeply sloped lots where the provisions of CDC  $\underline{41.010}$  shall apply.
- b. For an interior side yard, seven and one-half feet.
- c. For a side yard abutting a street, 15 feet.
- d. For a rear yard, 20 feet.

Staff Finding 2: The property comprises 26,180 square feet which exceeds the minimum lot size of the R-10 zone. The applicant proposes to place the new house 41 feet from Mapleton Drive which meets the front setback of 20 feet. The side setbacks will be 15 and 16 feet which exceed the required 7.5 foot setback. The rear of the house is 112 feet from the rear lot line which exceeds the required 20 foot rear setback. The criteria is met.

6. The maximum building height shall be 35 feet, except for steeply sloped lots in which case the provisions of Chapter 41 CDC shall apply.

Staff Finding 3: The proposed house will be 35 feet tall from grade which meets the 35 foot height requirements of the R-10 zone. The criteria is met.

- 7. The maximum lot coverage shall be 35 percent.
- The floor area ratio shall be 0.45.
- 10. The sidewall provisions of Chapter 43 CDC shall apply.

Staff Finding 4: The lot is 26,180 square feet. The proposed house has a footprint of 3,200 square feet for a lot coverage of 12.2 percent, which is below the maximum 35 percent allowed. The FAR is 15 percent which is below the 45 percent allowed FAR. The sidewall transitions are met with two foot pop outs for every 700 square feet of elevation area. The subsequent building permit review process will provide confirmation of the applicant's ability to meet the dimensional and design standards of the R-10 zone. The criterion is met. (...)

# CHAPTER 27, FLOOD MANAGEMENT AREAS

# 27.060 Approval Criteria

A. Development, excavation, and fill shall be performed in a manner to maintain or increase flood storage and conveyance capacity and not increase design flood elevations.

Staff Finding 5: The proposed house will have finished floor elevations more than one foot above the BFE of 46 feet as required by the CDC 27.080 (A). The foundations for the proposed house are below the BFE. The perimeter foundation wall will contain the required openings/louvers to allow for the conveyance of floodwater and to equalize hydrostatic flood force on the exterior walls. Condition of approval 2 reinforces the requirement that louvers and openings will be no more than one foot above grade. The applicant's professional civil engineer, Jeffrey Fitch of SFA Design Group, provided stamped and signed concurrence with the foundation plans which will be equipped with screens, louvers or other covers that allow for the automatic entry and exit of floodwaters. The proposal is not expected to have any impact on the flood storage capacity or increase design flood elevations. This criterion is met by conditions of approval 1, 2 and 6. (Please see also Staff Findings 10 and 11.)

B. No net fill increase in any floodplain is allowed. All fill placed in a floodplain shall be balanced with an equal amount of soil material removal. Excavation areas shall not exceed fill areas by more than 50 percent of the square footage. Any excavation below the ordinary high water line shall not count toward compensating for fill.

Staff Finding 6: The "fill" amount comprises the perimeter foundation wall. This criteria is satisfied by the condition of approval 2 that the applicant's engineer provide a written "no rise" determination.

C. Excavation to balance a fill shall be located on the same lot or parcel as the fill unless it is not reasonable or practicable to do so. In such cases, the excavation shall be located in the same drainage basin and as close as possible to the fill site, so long as the proposed excavation and fill will not increase flood impacts for surrounding properties as determined through hydrologic and hydraulic analysis.

Staff Finding 7: The applicant shall provide a written "no rise" determination that confirms that adequate venting ("one for one") equalizes flood levels. Thus, encroachment into the 100-year floodplain will not result in a significant increase in the flood levels. This criterion is met by condition of approval 2.

(...)

F. Prohibit encroachments, including fill, new construction, substantial improvements, and other development in floodways unless certification by a professional civil engineer licensed to practice in the State of Oregon is provided demonstrating that encroachments shall not result in any increase in flood levels during the occurrence of the base flood discharge.

Staff Finding 8: The proposed house is located in the Special Flood Hazard Area (100-year floodplain), but outside of the floodway. (See Figure 2.) This criteria does not apply.

G. All proposed improvements to the floodplain or floodway which might impact the flood-carrying capacity of the river shall be designed by a professional civil engineer licensed to practice in the State of Oregon.

Staff Finding 9: The applicant's professional civil engineer, Jeffrey Fitch of SFA Design Group, provided stamped and signed concurrence with the proposed improvements in the floodplain. This criterion is met.

27.070 Construction Materials and Methods

(...)

### 27.080 Residential Construction

A. New construction and substantial improvement of any residential structure shall have the lowest floor, including basement, elevated to at least one foot above the base flood elevation.

Staff Finding 10: The proposed house will have all structural elements of the finished floor at least one foot above the base flood elevation of 46 feet. The applicant shall submit a post construction elevation certificate showing finished construction elevations prior to issuance of an occupancy permit. The louvers/openings must be on at least two wall sides. This criterion is met by condition of approval 1.

- B. Fully enclosed areas below the lowest floor that are subject to flooding are prohibited, or shall be designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of floodwaters. Designs for meeting this requirement must be certified by either a professional civil engineer or an architect licensed to practice in the State of Oregon, and must meet or exceed the following minimum criteria:
- 1. A minimum of two openings having a total net area of not less than one square inch for every square foot of enclosed area subject to flooding shall be provided.

Staff Finding 11: The applicant's professional civil engineer, Jeffrey Fitch of SFA Design Group, provided stamped and signed concurrence that the house plans will meet this criteria. The perimeter foundation envelopes 3,200 square feet. This translates into a requirement for a minimum of 3,200 square inches in openings. The openings will be equipped with screens, louvers or other covers that allow for the automatic entry and exit of floodwaters. The louvers/openings must be on at least two wall sides. The criteria is met by condition of approval 2 and 3.

2. The bottom of all openings shall be no higher than one foot above grade.

Staff Finding 12: According to the applicant's response, the bottom of all openings shall be no higher than one foot above grade. This criterion is met.

(...)

- C. Crawlspaces. Crawlspaces are a commonly used method of elevating buildings in special flood hazard areas (SFHAs) to or above the base flood elevation (BFE), and are allowed subject to the following requirements:
- 1. The building is subject to the Flood-Resistant Construction provisions of the Oregon Residential Specialty Code.
- 2. They shall be designed by a professional engineer or architect licensed to practice in the State of Oregon to meet the standards contained in the most current Federal Emergency Management Agency's (FEMA) Technical Bulletin.
- 4. Flood vent openings shall be provided on at least two sides that equalize hydrostatic pressures by allowing for the automatic entry and exit of floodwaters. The total area of the flood vent openings must be no less than one square inch for each square foot of enclosed area.

The bottom of each flood vent opening can be no more than one foot above the lowest adjacent exterior grade. For guidance on flood openings, see FEMA Technical Bulletin 1-93, Openings in Foundation Walls.

(....)

Staff Finding 13: The applicant will comply with applicable state, federal and local standards regarding construction and building elements within the BFE. HVAC and similar equipment shall be above the BFE. The criteria is met by conditions 5 and 6.

# Chapter 28 WILLAMETTE AND TUALATIN RIVER PROTECTION

# 28.040 EXEMPTIONS/USES PERMITTED OUTRIGHT

S. In cases where the required development standards of this chapter are applied and met with no encroachment into HCAs, and also meeting subsections T and U of this section, where applicable, then no permit under the provisions of this chapter will be required. For example, if the proposed development or action will be located in the "Habitat and Impact Areas Not Designated as HCAs" and keeps out of the habitat conservation areas, a Willamette or Tualatin River Protection Area permit shall not be required. Floodplain management area or other permits may still be required.

Staff Response 14: Addressing 28.040 (S), staff finds that the construction of the proposed house will take place completely in the "Habitat and Impact Areas Not Designated as HCAs". Consistent with this section, staff finds "The proposed development or action will be located in the "Habitat and Impact Areas Not Designated as HCAs" and keeps out of the habitat conservation areas, a Willamette or Tualatin River Protection Area permit shall not be required". This proposal is exempt under these provisions. 28.040 (S) states that subsections (T) (U) only need to be met "where applicable". Those subsections are not applicable as explained below.

T. The construction, remodeling or additions of home and accessory structures that take place completely within the "Habitat and Impact Areas Not Designated as HCAs" shall be exempt from a Willamette or Tualatin River Protection Area permit. Where the "Habitat and Impact Areas Not Designated as HCAs" goes to the edge of a clearly defined top of bank, the applicant's home and accessory structures shall be set back at least 15 feet from top of bank. At-grade patios and deck areas within 30 inches of grade may extend to within five feet from

top of bank. No overhang or cantilevering of structures is permitted over HCA or over setback area. If these terms are met then no permit will be required under this chapter.

Staff Response 15: Staff finds that the construction of the proposed house will take place completely in the "Habitat and Impact Areas Not Designated as HCAs" and is therefore exempt from a Willamette or Tualatin River Protection Area permit under this provision. Therefore the provision does not apply and the criteria is met.

- U. Maintenance, alteration, expansion, repair and replacement of existing structures are exempt, provided impermeable surfaces do not exceed 5,000 square feet and that it complies with the provisions of Chapters 27 and 28 CDC. The following standards shall also apply:
- 1. Rebuilding of existing residential and non-residential structures within the same foundation lines as the original structure(s) including, but not limited to, those damaged or destroyed by fire or other natural hazards; or
- 2. The alteration, expansion, repair and replacement of a house or structure per the standards of CDC <u>28.110(E)</u> not to exceed 5,000 square feet of impermeable surface per that section; or
- 3. The alteration, expansion, repair and replacement of a house or structure vertically where the applicant is adding additional floors or expanding above the footprint of the existing structure regardless of whether the structure's footprint is in an HCA or not.

Staff Response 16: Staff finds that 28.040 (U) limits development of replacement homes to 5,000 square feet of disturbed area; and references, in subsection (U) (2), the standards of 28.110(E). Section 28.110(E) is a clarifying criteria in that explains that the 5,000 square foot limit only applies to non-conforming structures which are defined as: "existing structures whose building footprint is completely or partially on HCA lands. Any additions, alterations, replacement, or rehabilitation of existing non-conforming non-water-related structures (including decks), roadways, driveways, accessory uses and accessory structures shall avoid encroachment upon the HCAs, especially high HCAs". The proposed house, which replaces a house (conforming structure), is in the "Habitat and Impact Areas Not Designated as HCAs/ Allow Development" (non-HCA). It is neither partially nor completely in an HCA. The nearest HCA is 51 feet away. Therefore the provision does not apply and the criteria is met.

### 28.050 PROHIBITED USES

The following are prohibited:

5. Any new lawn area or garden area consisting primarily of non-native vegetation within HCA lands. A lawn area in the "Allowed Development" area is permitted.

- 6. Planting of any species identified as nuisance or prohibited plants on the Metro Native Plant List.
- 8. Excessive trimming or removal of existing native vegetation within the HCA unless it is to reestablish native vegetation in place of non-native or invasive vegetation.

Staff Response 17: No non-native landscaping within the HCA is proposed. The criteria is met.

## 28.110 APPROVAL CRITERIA

No application for development on property within the protection area shall be approved unless the decision-making authority finds that the following standards have been met or can be met by conditions of approval. The development shall comply with the following criteria as applicable:

- A. Development: All sites.
- 1. Sites shall first be reviewed using the HCA Map to determine if the site is buildable or what portion of the site is buildable. HCAs shall be verified by the Planning Director per CDC  $\underline{28.070}$  and site visit. Also, "tree canopy only" HCAs shall not constitute a development limitation and may be exempted per CDC  $\underline{28.070}$ (A). The municipal code protection for trees and Chapters 55 and 85 CDC tree protection shall still apply.

Staff Response 18: The adopted 2005 HCA Map (see Figure 3) identifies the proposed development area as "Habitat and Impact Areas Not Designated as HCAs", as such, it is buildable. Only the area between the Willamette River and top of bank has HCA designation and is not buildable. That area is 51 feet from the proposed development site. The criteria is met.

2. HCAs shall be avoided to the greatest degree possible and development activity shall instead be directed to the areas designated "Habitat and Impact Areas Not Designated as HCAs," consistent with subsection (A) (3) of this section.

Staff Response 19: Staff finds that the development area will be in an area designated "Habitat and Impact Areas Not Designated as HCAs". Development in the HCA is completely avoided. (The nearest HCA is 51 feet from the development site.) This criteria is met.

3. If the subject property contains no lands designated "Habitat and Impact Areas Not Designated as HCAs" and development within HCA land is the only option it shall be directed towards the low HCA areas first, then medium HCA areas and then to high HCA as the last choice. The goal is to, at best, avoid or, at least, minimize disturbance of the HCAs. (Water-dependent uses are exempt from this provision.)

4. All development, including exempted activities of CDC <u>28.040</u>, shall have approved erosion control measures per Clackamas County Erosion Prevention and Sediment Control Planning and Design Manual, rev. 2008, in place prior to site disturbance and be subject to the requirements of CDC <u>32.070</u> and <u>32.080</u> as deemed applicable by the Planning Director.

Staff Response 20: Staff finds that the subject property contains lands designated "Habitat and Impact Areas Not Designated as HCAs". Development will occur in these areas. Standard erosion control measures around the development site have already been put in place for the demolition of the house and will remain in place through home construction. This criteria is met.

- B. Single-family or attached residential. Development of single-family homes or attached housing shall be permitted on the following HCA designations and in the following order of preference with "a" being the most appropriate and "d" being the least appropriate:
  - a "Habitat and Impact Areas Not Designated as HCAs"
  - b Low HCA
  - c Moderate HCA
  - d High HCA
  - 1. Development of land classifications in "b," "c" and "d" shall not be permitted if at least a 5,000-square-foot area of buildable land ("a") exists for home construction, and associated impermeable surfaces (driveways, patios, etc.).

(...)

Staff Response 21: Staff finds that the development area will be in an area designated "Habitat and Impact Areas Not Designated as HCAs". Development in the HCA is completely avoided. (The nearest HCA is 51 feet from the development site.) This criteria is met.

6. Table showing development allowed by land classification:

**Development Allowed** 

Non-HCA ("a")

Yes

Low-Medium HCA ("b" and "c")

Yes, if less than 5,000 sq. ft. of non-HCA land available. Avoid "d."

High HCA ("d")

Yes, but only if less than 5,000 sq. ft. of "a," "b" and

"c" land available.

Non-conforming Structures (structures Yes: vertically, laterally and/or away from river.

on HCA land)

Avoid "d" where possible.

(The underlying zone FAR and allowable lot coverage shall also apply.)

Staff Response 22: The adopted HCA map shows that the area of proposed development, including the house footprint, is "Habitat and Impact Areas Not Designated as HCAs/ Allow Development" (Non-HCA). Therefore, development of the proposed house and associated improvements is allowed. The criteria is met.

- C. Setbacks from top of bank.
- 1. Development of single-family homes or attached housing on lands designated as "Habitat and Impact Areas Not Designated as HCAs" shall require a structural setback of 15 feet from any top of bank that represents the edge of the land designated as "Habitat and Impact Areas Not Designated as HCAs."

(....)

Staff Response 23: The proposed single-family home is on land designated as "Habitat and Impact Areas Not Designated as HCAs" The rear of the house will be 51 feet from the top of bank and HCA, which exceeds the required 15 foot setback. The criteria is met.

(....)

- E. Hardship provisions and non-conforming structures.
- 1. For the purpose of this chapter, non-conforming structures are existing structures whose building footprint is completely or partially on HCA lands.

(....)

Staff Response 24: The applicant is proposing to build a single-family homes on land designated as "Habitat and Impact Areas Not Designated as HCAs". (The nearest HCA is 51 feet away.) No hardship provisions exist and there are no non-conforming structures on the property. These criteria do not apply.

F. Access and property rights.

- 1. Private lands within the protection area shall be recognized and respected.
- 2. Where a legal public access to the river or elsewhere in the protection area exists, that legal public right shall be recognized and respected.

(....)

Staff Response 25: The proposed house is 110 feet from the Ordinary Low Water Mark below which public access is allowed. The proposed development will constitute no impediment to public access along the river's edge. The City's 2013 Trails Plan identifies an on-street trail along nearby Mapleton and Nixon Streets but identifies no trail along the shoreline. The criteria is met.

- H. Partitions, subdivisions and incentives.
- 1. When dividing a property into lots or parcels, an applicant shall verify the boundaries of the HCA on the property.
- 2. Applicant shall partition or subdivide the site so that all lots or parcels have a buildable site or envelope available for home construction located on non-HCA land or areas designated "Habitat and Impact Areas Not Designated as HCAs" per the HCA Map.

(....)

Staff Response 26: No subdivision or partition is proposed, so this criteria is not applicable.

- I. Docks and other water-dependent structures.
- 1. Once the preference rights area is established by DSL, the property owner identifies where the water-dependent use will be located within the authorized portion of the preference rights area. The water-dependent use should be centered or in the middle of the preference rights/authorized area or meet the side yard setbacks of the underlying zone.

(....)

Staff Response 27: No dock is proposed, so this criteria is not applicable.

L. Roads, driveways, utilities, or passive use recreation facilities. Roads, driveways, utilities, public paths, or passive use recreation facilities may be built in those portions of HCAs that include wetlands, riparian areas, and water resource areas when no other practical alternative exists but shall use water-permeable materials unless City engineering standards do not allow that. (...)

Staff Response 28: No development of roads, driveways, utilities, or passive use recreation facilities are proposed in the HCAs. All development will be on lands designated as "Habitat and Impact Areas Not Designated as HCAs", so this criteria is not applicable.

M. Structures. All buildings and structures in HCAs and riparian areas, including all exterior mechanical equipment, should be screened, colored, or surfaced so as to blend with the riparian environment. Surfaces shall be non-polished/reflective or at least expected to lose their luster within a year. In addition to the specific standards and criteria applicable to water-dependent uses (docks), all other provisions of this chapter shall apply to water dependent uses, and any structure shall be no larger than necessary to accommodate the use.

Staff Response 29: No development is proposed within an HCA or within a riparian area. All development will be on lands designated as "Habitat and Impact Areas Not Designated as HCAs", so this criteria is not applicable.

- N. Water-permeable materials for hardscapes.... O. Signs and graphics.... P. Lighting....
- Q. Parking... R. Views.... S. Aggregate deposits.... T. Changing the landscape/grading....
- U. Protect riparian and adjacent vegetation.

Staff Response 30: All above sections relate to development in an HCA and/or adjacent to the Willamette River. All development will be on lands designated as "Habitat and Impact Areas Not Designated as HCAs". The proposed house site is not in an HCA (51 feet away) and is 110 feet from the river. There will be no landscaping or grading within the Willamette River Greenway boundary or within HCAs or areas below the OLWM. All existing riparian vegetation within the Willamette River Greenway boundary and within HCAs or areas below the OLWM will be untouched. Therefore these criteria do not apply.

**FIGURE 1: Location Map** 





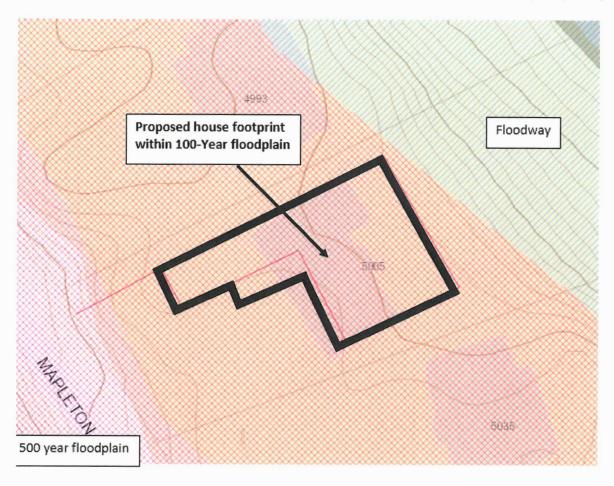
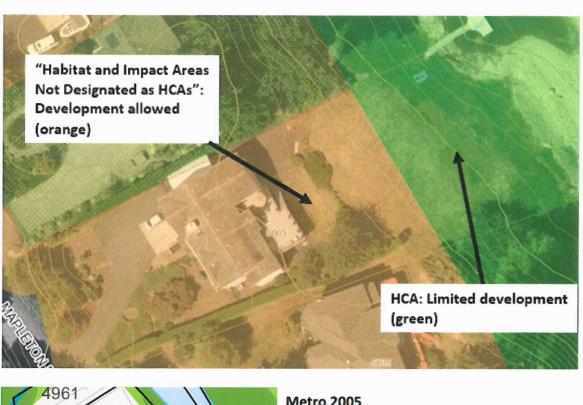
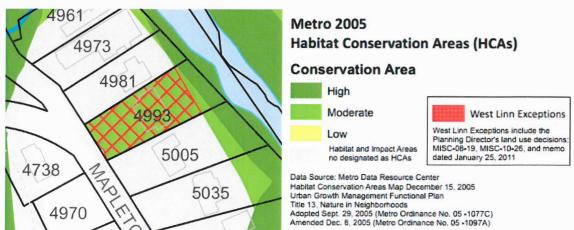


FIGURE 3: Habitat Conservation Area (HCA) Map





# **PD-1 AFFADAVIT OF NOTICE**

# AFFIDAVIT OF NOTICE

We, the undersigned do hereby certify that, in the interest of the party (parties) initiating a proposed land use, the following took place on the dates indicated below:

Development Name	Edwards Architecture			
NOTICE: Notices were sent at least 20 days prior to the sche 99.080 of the Community Development Code. (check below)	eduled hearing, meeting, or decision date per Section			
TYPE A				
A. The applicant (date)	(signed)			
B. Affected property owners (date)	(signed)			
C. School District/Board (date)	(signed)			
D. Other affected gov't. agencies (date)	(signed)			
E. Affected neighborhood assns. (date)	(signed)			
F. All parties to an appeal or review (date)	(signed)			
At least 10 days prior to the scheduled hearing or meeting, notice	e was published/posted:			
Tidings (sublished data)	(formail)			
Tidings (published date) City's website (posted date)	(signed)			
SIGN party				
	valuion data a nion was posted on the property per			
At least 10 days prior to the scheduled hearing, meeting or de Section 99.080 of the Community Development Code.	ecision date, a sign was posted on the property per			
(date) 5-17-16 (signed)				
NOTICE: Notices were sent at least 14 days prior to the scheous 99.080 of the Community Development Code. (check below)	duled hearing, meeting, or decision date per Section			
TYPE B V4*	,			
<ul> <li>A. The applicant (date) 5-17-16</li> <li>B. Affected property owners (date) 5-17-16</li> </ul>	(signed) J. Shinyw			
B. Affected property owners (date) <u>5-17-16</u>	(signed) S. Sherrer			
C. School District/Board (date) (signed)				
D. Other affected gov't. agencies (date) 5-17-16	(signed) S. Shine			
E. Affected neighborhood assns. (date) 5-17-16	(signed) S. She dev			
Notice was posted on the City's website at least 10 days prior to the Date:	ne scheduled hearing or meeting. (signed) 5.5 kg ry			
<u>STAFF REPORT</u> mailed to applicant, City Council/Planning Coprior to the scheduled hearing.				
(date) (signed)				
FINAL DECISION notice mailed to applicant, all other particular surveyor's office.				
(date) 6-17-16 (signed) 5. Shope				

# **PD-2 NOTICE**

# CITY OF WEST LINN NOTICE OF UPCOMING PLANNING MANAGER DECISION FILE NO. MIS-16-02

The West Linn Planning Manager is considering a request for a Flood Management Area Permit to allow the construction of a new home at 5005 Mapleton Drive.

The decision will be based on the approval criteria in Chapters 11, 27 and 28 of the Community Development Code (CDC). The approval criteria from the CDC are available for review at City Hall, at the City Library, and at <a href="http://www.westlinnoregon.gov/cdc">http://www.westlinnoregon.gov/cdc</a>.

You have received this notice because County records indicate that you own property within 300 feet of this property (Tax Lot 600 of Clackamas County Assessor's Map 21E 24AC) or as otherwise required by Chapter 99 of the CDC.

All relevant materials in the above noted file are available for inspection at no cost at City Hall, and on the city web site <a href="http://westlinnoregon.gov/planning/5005-mapleton-drive-flood-management-area-permit">http://westlinnoregon.gov/planning/5005-mapleton-drive-flood-management-area-permit</a> or copies may be obtained for a minimal charge per page. A public hearing will not be held on this decision. Anyone wishing to present written testimony for consideration on this matter shall submit all material before 4:00 p.m. on May 31, 2016. Persons interested in party status should submit their letter along with any concerns related to the proposal by the comment deadline. For further information, please contact Peter Spir, Associate Planner, City Hall, 22500 Salamo Rd., West Linn, OR 97068, (503) 723-2539, or pspir@westlinnoregon.gov.

Any appeals to this decision must be filed within 14 days of the final decision date with the Planning Department. It is important to submit all testimony in response to this notice. City Council will not accept additional evidence if there is an appeal of this proposal. Failure to raise an issue in person or by letter, or failure to provide sufficient specificity to afford the decision-maker an opportunity to respond to the issue, precludes the raising of the issue at a subsequent time on appeal or before the Land Use Board of Appeals.



# **PD-3 COMPLETENESS LETTER**

gut



May 10, 2016

Scott Edwards Architecture ATTN: Joe Broders 2525 East Burnside St. Portland, OR 97214

SUBJECT: MIS-16-02 application for Flood Management Area permit to construct a house at 5005 Mapleton Drive.

Dear Mr. Broders:

Your submittal was received on April 28, 2016 and found to be **complete**. The City has 120 days from today's date to exhaust all local review; that period ends on August 30, 2016.

Please be aware that a determination of a complete application does not guarantee a recommendation of approval from staff for your proposal as submitted — it signals that staff believes you have provided the necessary information for the Planning Manager to render a decision on your proposal.

Twenty day public notice will be prepared and mailed. The notice will identify the earliest possible decision date by the Planning Manager.

Please contact me at 503-723-2539, or by email at <a href="mailto:pspir@westlinnoregon.gov">pspir@westlinnoregon.gov</a> if you have any questions or comments.

Sincerely,

PeterSpir

Peter Spir

Associate Planner

# PD-4 APPLICANT'S SUBMITTAL



Planning & Development • 22500 Salamo Rd #1000 • West Linn, Oregon 97068 Telephone 503.656.4211 • Fax 503.656.4106 • westlinnoregon.gov

# **DEVELOPMENT REVIEW APPLICATION**

	<b>北京政府</b> 第四部		ce Use Only		
STAFF COMPACT	erSpir	PROJECT NO(s).	MISC-16-	02	
Non-Refundae		REFUNDABLE DEP	OSIT(S) / 050 00	TOTAL 1050	40
Type of Review (P	Please check all tha	at apply):			
Home Occup	ew (AP) * (CUP)  DR)  ion  ixt. of Utilities  n (FP)  eent Area  on & Erosion Control  pation, Pre-Application	Historic Review Legislative Plan or Chan Lot Line Adjustment (LL Minor Partition (MIP) (Plan Non-Conforming Lots, Land Planned Unit Developm Pre-Application Confered Street Vacation  n, Sidewalk Use, Sign Review forms, available on the City	A) */** reliminary Plat or Plan) lses & Structures ent (PUD) nce (PA) */** w Permit, and Temp	Water Resource Area Pr Water Resource Area Pr Willamette & Tualatin I Zone Change	, ,
Site Location/Ad 5005 MAPLETON	DRIVE			Assessor's Map No.: 2	-1E-24AC
WEST LINN, ORI 97068	EGON			Tax Lot(s): 600	
37000				Total Land Area: 26,18	0 sf
		ROOM, 4.5 BATHROOM OS ARCHITECTURE, LLF			
City State Zip:	PORTLAND, ORE			zmam jarodarowa	anp.com
Owner Name (red	quired): GARRIN RO	DYER		Phone: (503) 816-7	726
Address:	3050 ROXB	URY DRIVE		Email: groyer@reds	idecre.com
City State Zip:	WEST LINN	I, OREGON 97968			
Consultant Name	SCOTT   EDWAR	DS ARCHITECTURE, LL	P	Phone: (503) 226-3	617
Address:	2525 E BURNSIDI	E ST		Email: Jbroders@Se	eallp.com
City State Zip:	PORTLAND, ORE	GON 97214			
2. The owner/applic 3. A denial or appro 4. Three (3) comple One (1) complete If large sets of pl No CD required /	ant or their represent val may be reversed of the hard-copy sets (single set of digital applications are required in a ** Only one hard-compared the hard-compared in a the hard-compar	ntative should be present a on appeal. No permit will ngle sided) of application of ation materials must also be pplication please submit of copy set needed	t all public hearings. be in effect until the materials must be so be submitted on CD only two sets.	e pp ad p riod has e pired up mi tel vith this applica in PDF format.  MAR 2 3	2016
comply with all code to the Community De	requirements applicable evelopment Code and to said subsequent devel	e to my application. Acceptants other regulations adopted aft lopment is not vested under the control of the co	ce of this application do er the application is ap the provisions in place a DocuSigned by:	oes not infer a complete submi	March 22, 2016   11:07
- Ph. 100111 2 21911		Date	C HATCH CONSTRUCTION	racare (regarieu)	Date



## Flood Management Area Permit Application

Date:

March 22, 2016

Owner/

Applicant:

Garrin & Cortney Royer 3050 Roxbury Drive West Linn, OR 97968 E: goyer@rredside.com P: 503.816.7726

Architect:

Scott | Edwards Architecture, LLP

2525 E. Burnside St. Portland, OR 97214 Attn: Joe Broders E: <u>jbroders@seallp.com</u> P: 503.226.3617

Site Location:

5005 Mapleton Drive

Legal Description:

Lot 21, Maple Grove

NE  $\frac{1}{4}$  of Section 24, T.2S., R.1E., WM City of West Linn, Clackamas Co., OR

Base Zoning:

R-10

Comp Plan:

Low-Density Residential

Applicable Ord:

West Linn CDC Chapter 27 - Flood Management Areas

Request:

Flood Management Area permits to allow replacement of existing single family residence with a new single family residence with no decrease in Flood Storage

or Conveyance capacity from existing conditions.

Narrative addressing Chapter(s) 27.060, 27.070 & 27.080.

27.060 A.

Development, excavation and fill shall be performed in a manner to maintain or increase flood storage and conveyance capacity and not increase design flood elevations.

The siting of the proposed design closely approximates the existing conditions with primary east wall moved riverward approximately 12'. The structure is held landward of the required Floodway Setback. Access to the basement parking level mirrors the existing driveway in design elevation. (see Exhibit A1.1) Flood storage area is increased by the addition of a guest parking area and by increased garage apron area (see Exhibit A0.3). No adverse effects in either Flood Storage Area or Floodway result.



## Flood Management Area Permit Application 3/18/2016

27.060 B. No net fill increase in any floodplain is allowed. All fill shall be balanced with an

equal amount of soil material removal. Excavation areas shall not exceed fill areas by more than 50 percent of the square footage. Any excavation below the

ordinary high water line shall not county toward compensating for fill.

Cut and fill are balanced in the proposed design resulting in a slightly greater net

flood storage capacity from existing to proposed.

27.060 C. Excavation to balance a fill shall be located on the same lot or parcel....

All project work is located on-site.

**27.060 D.** Minimum finished floor elevations must be at least one foot above the design

flood height or highest flood of record......

The finished habitable floor line (1st floor) is proposed at elevation 52.0', 6.0 feet

above the established BFE of 46.0'.

**27.060 E.** Temporary fills permitted during construction shall be removed.

All temporary fills will be removed prior to completion of construction.

27.060 F, G. Prohibit encroachments, including fill, new construction, substantial

improvements, and other development in floodways.....

No encroachments into floodway are requested.

27.060 H. New culverts, stream crossings, and transportation projects.....

No new culverts, stream crossings, etc. as defined in this section are proposed.

**27.060 I.** Excavation and fill required for the construction of detention facilities ....shall be

designed to reduce or mitigate flood impacts and improve water quality.

A small residential detention facility is proposed for bio-filtration of auto paving runoff and will be designed per City of Portland Storm Water Management guidelines adopted by City of West Linn. It is located well landward of the Floodway setback and presents no reduction of Flood storage capacity (see

Exhibit A1.1).

**27.060 J.** The applicant shall provide evidence that all necessary permits have been

obtained from those federal, State, or local governmental agencies from which

prior approval is required.

All permits for this proposal are to be obtained from City of West Linn and/or

Clackamas County as applies.

27.070 A. All new construction and substantial improvements shall be constructed with

materials and utility equipment resistant to flood damage using methods and

practices that minimize flood damage.

All structural components below the BFE will be either concrete, steel or pressure

treated lumber.

# SEA

## Flood Management Area Permit Application 3/18/2016

27.070 B.

Electrical, heating, ventilation, plumbing, and air conditioning equipment and other service facilities shall be designed and/or otherwise elevated or located so as to prevent water from entering or accumulating within the components during conditions of flooding.

All components (other than sealed plumbing lines) will be elevated a minimum of 1.0' above the BFE of 46.0'.

27.070 C.

New and replacement water supply systems shall be designed to minimize or eliminate infiltration of flood waters into the system.

All water supply components shall be fully pressure tight.

27.070 D.

New and replacement sanitary sewage systems shall be designed to minimize or eliminate infiltration of flood waters into the systems and discharge from the systems into flood waters.

All on-site sanitary sewerage system components shall be fully water tight.

27.070 E.

On-site waste disposal systems shall be located to avoid impairment to them or contamination from them during flooding.

No on-site waste disposal systems are proposed. The public sanitary system shall be utilized.

27.070 F.

All new construction and substantial improvements shall be anchored to prevent flotation, collapse, and lateral movement of the structure.

The structure will be fully engineered. Further, the basement level has been included as part of the Flood Storage volume and as such will be designed with the necessary components to automatically equalize hydrostatic flood forces by allowing entry and exit of floodwaters.

27.080 A.

New construction and substantial improvement of any residential structure shall have the lowest floor, including basement, elevated to at least one foot above the base flood elevation.

The finished habitable floor line (1st floor) is proposed at elevation 52.0', 6.0 feet above the established BFE of 46.0'.

27.080 B.

Fully enclosed areas below the lowest floor that are subject to flooding are prohibited, or shall be designed to automatically equalize hydrostatic flood forces....

The basement level has been included as part of the Flood Storage volume and as such will be designed by a registered architect or engineer with the necessary components to automatically equalize hydrostatic flood forces by allowing entry and exit of floodwaters. Reference is made to FEMA Technical Bulletin 1, August 2008 – Openings in Foundation Walls and Walls of Enclosures.

- 1. Openings shall be provided at 1 square inch / square foot of enclosure minimum.
- 2. Bottom of openings will be a maximum of 12" above grade.
- 3. Openings shall have screens and/or louvers that permit automatic entry and exit of floodwaters.

# SEA

### Flood Management Area Permit Application 3/18/2016

- Enclosed areas below BFE shall only be used for parking, access or limited storage.
- 5. Service equipment is not permitted below BFE.
- 6. All construction below BFE must be unfinished and constructed of materials resistant to flood damage. Materials shall be concrete, steel and/or pressure treated lumber.

#### 27.080 C.

Crawlspaces below BFE:

The entire area below the habitable structure (levels 1 & 2) will be built as a basement subject to the restrictions of 27.080 B above. This is consistent with the existing structure and thus provides Flood Storage volume equivalent to current site conditions.

Specific provisions of 27.080 C therefore do not apply.

27.080 D.

A poured slab placed over fill can be used to elevate the lowest floor of a structure above the BFE.

Filling of site in order to construct habitable structure as opposed to elevating it upon an enclosed structure similar to existing conditions would violate provisions of 27.060 B by substantially reducing the site's Flood Storage volume. Proposed basement will be designed for to resist hydrostatic forces & allow flood water to flow though.

27.080 E.

Placing a structure on piers, piles, and posts is allowed provided supporting members are designed to resist hydrostatic and hydrodynamic forces.

Those portions of the proposed design to be supported on posts shall be designed to withstand hydrostatic forces but, are landward of the Floodway setback and not subject to hydrodynamic forces.

27.120 A.

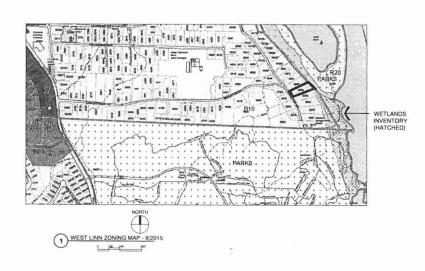
Alteration of Watercourses

No alteration of existing watercourses are proposed.

### Additional Information:

# Joint Dock at 4993 / 5005 Mapleton Drive

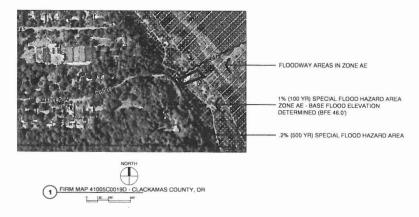
No modification to the existing dock structure is proposed under this application. We list prior dock permit application WRG-11-01 / MISC-11-05 for reference only.





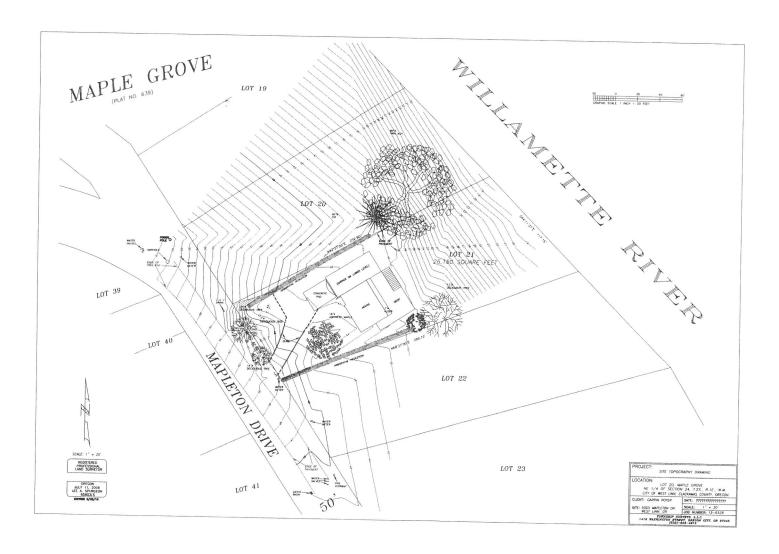
2 AERIAL PHOTO







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Job No: Date:	15144
	1010



· F





ROYER RESIDENCE

5005 MAPLETON DR. WEST LINN, OR

Drawing:

TOPO SURVEY

Job No: 151
Date 03/22/20
Drawn By:
Checked By:

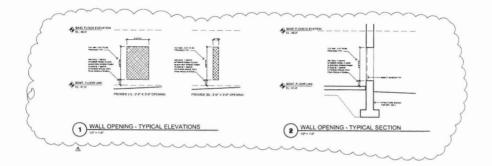


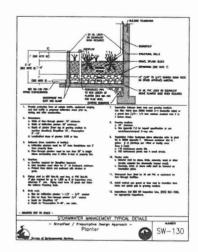
ROYER RESIDENCE 5005 MAPLETON DR. WEST LINN, OR

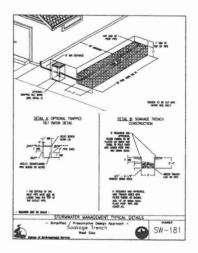
PLAN

FLOOD MANAGEMENT
PLAN

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Date: 03/22/2016
Drewn By
Charled Br.





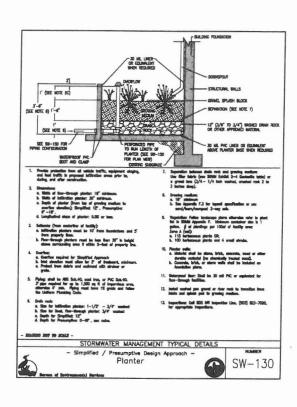


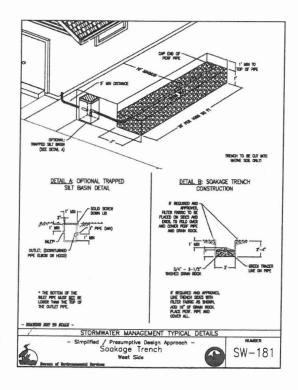


A REVISION - 04.27.2018
Drawing:

STORM SYSTEM COMPONENTS

Job No. 15
Date: 03/22/2
Drawn By:
Checked By:





SEA

SCOTT EDWARDS ARCHITECTURE LLP.

2525 E. Burnside St., Portland, OR 97214 phone:(503) 226-3617 www.seallp.com



Digitally signed by Peter Grimm Date: 2016.04.27 16:19:43-07'00

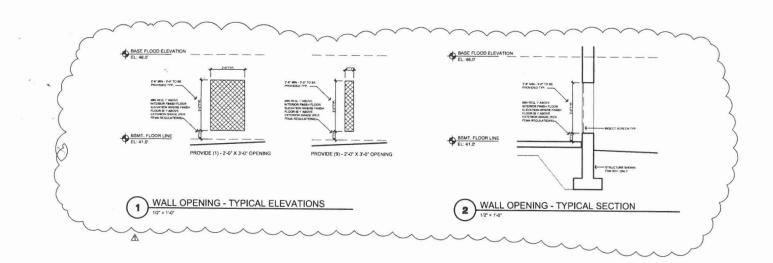
### ROYER RESIDENCE

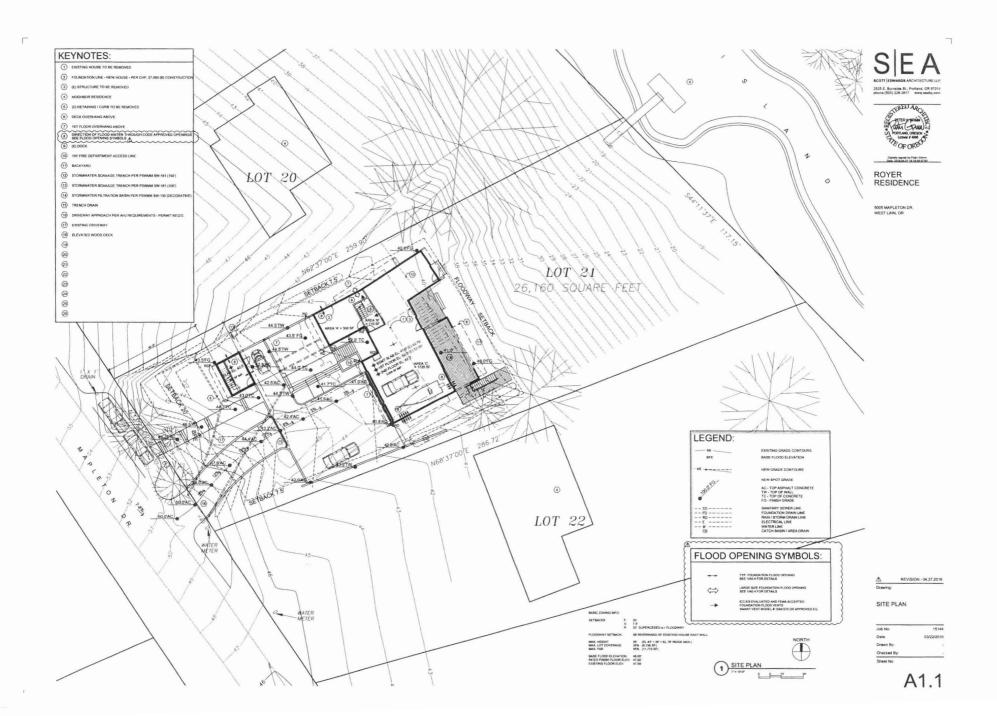
5005 MAPLETON DR. WEST LINN, OR

A REVISION - 04.27.2016
Drawing:

# STORM SYSTEM COMPONENTS

Job No:	1514
Date:	03/22/2010
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Checked By:	
Sheet No:	





# U.S. DEPARTMENT OF HOMELAND SECURITY FEDERAL EMERGENCY MANAGEMENT AGENCY

ELEVATION CERTIFICATE

OMB No. 1660-0008

Expiration Date: July 31, 2015 IMPORTANT: Follow the instructions on pages 1-9. National Flood Insurance Program SECTION A - PROPERTY INFORMATION FOR INSURANCE COMPANY USE A1. Building Owner's Name Garrin Royer Policy Number: A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or PO. Route and Box No. 5005 Mapleton Dr. Company NAIC Number: State OR ZIP Code 97068 City West Linn A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Tax Lot 3600 on Map 4S 2E 27 A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) Residential Long. -122.626990 A5. Latitude/Longitude: Lat. 45.385141 Horizontal Datum: NAD 1927 ☐ NAD 1983 A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance. (see comments) A7. Building Diagram Number 3 A8. For a building with a crawlspace or enclosure(s): A9. For a building with an attached garage: N/A a) Square footage of crawlspace or enclosure(s) 43 sa ft a) Square footage of attached garage b) Number of permanent flood openings in the crawlspace b) Number of permanent flood openings in the attached garage n or enclosure(s) within 1.0 foot above adjacent grade within 1.0 foot above adjacent grade 0 0 c) Total net area of flood openings in A8.b c) Total net area of flood openings in A9.b sa in d) Engineered flood openings? ☐ Yes d) Engineered flood openings? ☐ Yes X No SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION B1. NFIP Community Name & Community Number B2. County Name B3. State Clackamas County, Oregon and incorporated areas 41005C Clackamas Oregon B4. Map/Panel Number B5. Suffix B6. FIRM Index Date B7. FIRM Panel Effective/ B8. Flood Zone(s) B9. Base Flood Elevation(s) (Zone Revised Date AO, use base flood depth) 41005C / 0019 6/17/2008 46' AE, X B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9; Other/Source: ▼ FIRM ☐ Community Determined B11. Indicate elevation datum used for BFE in Item B9: ☐ NGVD 1929 **■** NAVD 1988 Other/Source: B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? Designation Date: \_ CBRS ☐ OPA \_/\_ SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED) C1. Building elevations are based on: ☐ Construction Drawings\* ☐ Building Under Construction\* Finished Construction \*A new Elevation Certificate will be required when construction of the building is complete. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO, Complete Items C2.a-h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters. Benchmark Utilized: Corps of Engineers 90H-3-02 Vertical Datum: NAVD88 Indicate elevation datum used for the elevations in items a) through h) below. 🗌 NGVD 1929 🗷 NAVD 1988 📋 Other/Source Datum used for building elevations must be the same as that used for the BFE. Check the n a) Top of bottom floor (including basement, crawlspace, or enclosure floor) 42 76 x fee 47 . 59 b) Top of the next higher floor x fee meters N/A c) Bottom of the lowest horizontal structural member (V Zones only) | feet neters APR 2 8 2016 76 42 d) Attached garage (top of slab) | feet meters 50 04 e) Lowest elevation of machinery or equipment servicing the building | feet ☐ meters (Describe type of equipment and location in Comments) ☐ meteRLANNING & BUILDING 42 . 37 f) Lowest adjacent (finished) grade next to building (LAG) x feet CITY OF WEST LINN g) Highest adjacent (finished) grade next to building (HAG) 47 16 meters x feet TIME h) Lowest adjacent grade at lowest elevation of deck or stairs, including N/A x feet structural support SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. REGISTERED I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001. **PROFESSIONA** Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by a LAND SURVEYOR Check here if attachments, licensed land surveyor? × Yes TNo Certifier's Name

License Number 65603LS Lee A. Spurgeon Title Company Name Township Surveys LLC Professional Land Surveyor City Oregon City Address ZIP Code 1415 Washington St. OR 97045 Signature Date 4/17/2015 Telephone 503-656-4915

LACE OREGON JULY 11, 2006 EE A. SPURGEON

65603LS EXPIRES: 6/30/16

# ELEVATION CERTIFICATE, page 2

IMPORTANT: In these spaces, co	FOR INSURANCE COMPANY USE		
Building Street Address (including 5005 Mapleton Dr.	g Apt., Unit, Suite, and/or Bldg. No.) or PO	). Route and Box No	. Policy Number:
City West Linn	State OR	ZIP Code 97068	Company NAIC Number:
SEC	TION D - SURVEYOR, ENGINEER, O	R ARCHITECT O	CERTIFICATION (CONTINUED)
	Certificate for (1) community official, (2) in	nsurance agent/cor	npany, and (3) building owner.
Comments A5) Horizontal da	atum is WGS84. (Google Earth)		
C2.e) Water heate	<u>r</u>		
Signature	mandan I and parameter	Date L	1/17/15
			ED) FOR ZONE AO AND ZONE A (WITHOUT BFE)
For Items E1-E4, use natural grad	de, if available. Check the measurement us for the following and check the appropriate	sed. In Puerto Rico	ort a LOMA or LOMR-F request, complete Sections A, B, and only, enter meters.  The elevation is above or below the highest adjacent
	ng basement, crawlspace, or enclosure) is ng basement, crawlspace, or enclosure) is		_
E2. For Building Diagrams 6-9 with	h permanent flood openings provided in S	ection A Items 8 an	d/or 9 (see pages 8-9 of Instructions),
	C2.b in the diagrams) of the building is		_
E3. Attached garage (top of slab) i	S		feet meters above or below the HAG.
	and/or equipment servicing the building is		_ ☐ feet ☐ meters ☐ above or ☐ below the HAG.
e5. Zone AO only: If no flood depth ordinance? ☐ Yes ☐ No	n number is available, is the top of the bot Unknown. The local official must certif	tom floor elevated in this information in	in accordance with the community's floodplain management n Section G.
SECT	ION F - PROPERTY OWNER (OR O	WNER'S REPRE	SENTATIVE) CERTIFICATION
The property owner or owner's autizone AO must sign here. The state	horized representative who completes Sec ements in Sections A, B, and E are correct	ctions A, B, and E for	or Zone A (without a FEMA-issued or community-issued BFE)
Property Owner or Owner's Authoria		to the boot of my .	
Address		City	State ZIP Code
		City	
Signature		Date	Telephone
Comments			
			Check here if attachments
	SECTION G - COMMUNIT	Y INFORMATION	(OPTIONAL)
G of this Elevation Certificate. Comp G1. The information in Section who is authorized by law t	olete the applicable item(s) and sign below. In C was taken from other documentation to certify elevation information. (Indicate i	Check the measure that has been sign the source and dat	anagement ordinance can complete Sections A, B, C (or E), ar ment used in Items G8–G10. In Puerto Rico only, enter meter led and sealed by a licensed surveyor, engineer, or archite e of the elevation data in the Comments area below.)
the same to the sa	(Items G4–G10) is provided for communi		MA-issued or community-issued BFE) or Zone AO. gement purposes.
G4. Permit Number	G5. Date Permit Issued	G6	. Date Certificate Of Compliance/Occupancy Issued
G7. This permit has been issued f	for: New Construction Substa	ntial Improvement	
	or (including basement) of the building:		☐ feet ☐ meters Datum
G9. BFE or (in Zone AO) depth of f			feet meters Datum
G10. Community's design flood elev	ration:		feet meters Datum
Local Official's Name		Title	
Community Name		Telephone	
Signature		Date	
Comments			
			Check here if attachments.
FMA Form 086-0-33 (Revised 7/12)			Penlaces all previous edition

## **ELEVATION CERTIFICATE**, page 3

#### **BUILDING PHOTOGRAPHS**

See Instructions for Item A6.

IMPORTANT: In these spaces, copy the	FOR INSURANCE COMPANY USE	
Building Street Address (including Apt., l 5005 Mapleton Dr.	x No. Policy Number:	
City West Linn	State ZIP Code OR 97068	

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.

# EAST SIDE OF HOUSE



# **ELEVATION CERTIFICATE**, page 4

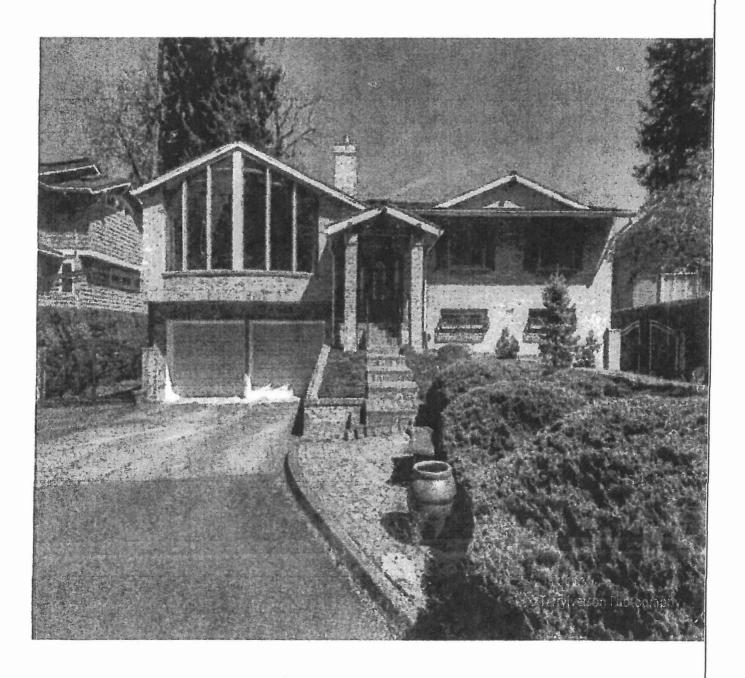
# **BUILDING PHOTOGRAPHS**

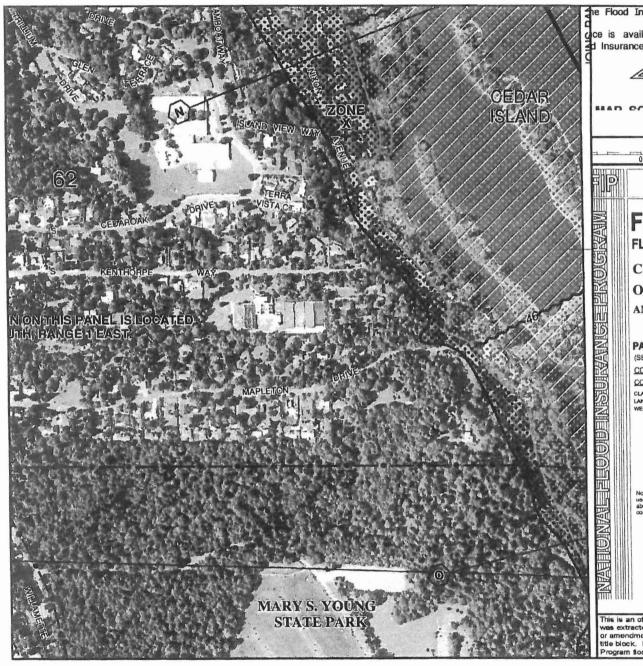
Continuation Page

IMPORTANT: In these spaces, copy the	FOR INSURANCE COMPANY USE	
Building Street Address (including Apt., 5005 Mapleton Dr.	Policy Number:	
City West Linn	State ZIP Code OR 97068	Company NAIC Number:

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8.

# WEST SIDE OF HOUSE





the Flood Insurance Study report for this jurisdiction.

ce is available in this community, contact your insurance of Insurance Program at 1-800-638-6620.



SEAD COALE 4" - FOO!

# **FIRM** FLOOD INSURANCE RATE MAP CLACKAMAS COUNTY, **OREGON**

PANEL 0019D

AND INCORPORATED AREAS

#### **PANEL 19 OF 1175**

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

# CONTAINS:

COMMUNITY NUMBER PANEL SUFFIX

CLACKAMAS COUNTY LAKE OSWEGO, CITY OF 410018 0019 WEST LINN, CITY OF

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject



**MAP NUMBER** 41005C0019D **EFFECTIVE DATE** JUNE 17, 2008

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

FLOODWAY 5005 Mapleton Dr ? MALFLOGO HAZÁRD:

# SFA Design Group, LLC



STRUCTURAL | CIVIL | LAND USE PLANNING | SURVEYING
9020 SW Washington Square Dr., Suite 505 - Portland, OR 97223
1813 Rutan Dr., Suite C - Livermore, CA 94551
P: (503) 641-8311 F: (503) 643-7905
www.sfadg.com

# STRUCTURAL CALCULATIONS

# Royer Residence Flood Access Requirments 5005 Maplton Dr., West Linn, OR 97068

Scott Edwards Architecture, LLP





### **LIMITATIONS**

ENGINEER WAS RETAINED IN A LIMITED CAPACITY FOR THIS PROJECT. DESIGN IS BASED UPON INFORMATION PROVIDED BY THE CLIENT WHO IS SOLELY RESPONSIBLE FOR ACCURACY OF SAME. NO RESPONSIBILITY AND/OR LIABILITY IS ASSUMED BY, OR IS TO BE ASSIGNED TO THE ENGINEER FOR ITEMS BEYOND THAT SHOWN ON THESE SHEETS.

Project No. 16-039 April 18, 2016

SFA Design Group, LLC STRUCTURAL   CIVIL   LAND USE PLANNING   SURVEYING	Project No.	Sheet No.
Project ROYER RESIDENCE		Date 4/18/16
NUMBER OF REQ'D FLOOD ACCESS & SIE	E	By KT



# Flood Management Area Permit Application – Response to MIS-16-02 Incomplete Letter

Date:

April 27, 2016

Owner/

Applicant:

Garrin & Cortney Royer 3050 Roxbury Drive

West Linn, OR 97968 E: gover@rredside.com

P: 503.816.7726

Architect:

Scott | Edwards Architecture, LLP

2525 E. Burnside St. Portland, OR 97214 Attn: Joe Broders E: jbroders@seallp.com

P: 503.226.3617

Site Location:

5005 Mapleton Drive

Legal Description:

Lot 21, Maple Grove

NE ¼ of Section 24, T.2S., R.1E., WM City of West Linn, Clackamas Co., OR

Base Zoning:

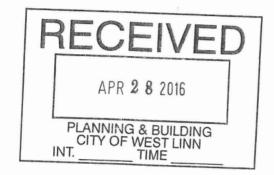
R-10

Comp Plan:

Low-Density Residential

Applicable Ord:

West Linn CDC Chapter 27 - Flood Management Areas



# Narrative addressing incomplete items per MIS-16-02 incomplete letter

- 1. 27.060(G) requires all development designs in the 100 year floodplain to be stamped by a licensed PE per FEMA requirements.
  - See stamped letter provided by SFA Design Group, Inc. drafted and stamped by Jeff Fitch, PE, P. Eng
- 2. 27.080(B) provide design stamped by a licensed PE that demonstrates compliance with these provisions. (The criteria states "or architect"; however, FEMA requires a PE stamp.)
  - See "STRUCTURAL CALCUALTIONS Royer Residence Flood Access Requirements" attached provided by SFA Design Group, Inc. stamped by Jeff Fitch, PE, P. Eng
- 3. A pre-development elevation certificate (for the footprint of the proposed house) stamped by a licensed PE must be provided.
  - See Elevation Certificate Attached for existing residence located at 5005 Mapleton Drive. Per a discussion with Peter Spir the elevation certificate attached provides the required information for the floodway management permit.

