



Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	City of Puyallup Pierce County Washington	NO PROJECT	BASE MAP CHANGES HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS UPDATE
	COMMUNITY NO.: 530144		
IDENTIFIER	Puyallup AO Zone	APPROXIMATE LATITUDE & LONGITUDE: 47.186, -122.262 SOURCE: USGS QUADRANGLE DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM* NO.: 53053C0334E DATE: March 7, 2017 TYPE: FIRM NO.: 53053C0342E DATE: March 7, 2017		DATE OF EFFECTIVE FLOOD INSURANCE STUDY: March 07, 2017 PROFILES: 361P, 362P, 363P, AND 364P (NEW) SUMMARY OF DISCHARGES TABLE: 2	

Enclosures reflect changes to flooding sources affected by this revision.

* FIRM - Flood Insurance Rate Map

FLOODING SOURCE(S) & REVISED REACH(ES)

See Page 2 for Additional Flooding Sources

Deer Creek - From approximately 515 feet downstream of 23rd Street SE to approximately 1,070 feet upstream of 12th Avenue SE

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Deer Creek	Zone AO	Zone AE	NONE	YES
	Zone A	Zone X (unshaded)	NONE	YES
	No BFEs*	BFEs	YES	NONE
	Zone X (unshaded)	Zone AE	YES	YES
	Depth	BFEs	YES	NONE

* BFEs - Base Flood Elevations

DETERMINATION

This document provides the determination from the Department of Homeland Security's Federal Emergency Management Agency (FEMA) regarding a request for a Letter of Map Revision (LOMR) for the area described above. Using the information submitted, we have determined that a revision to the flood hazards depicted in the Flood Insurance Study (FIS) report and/or National Flood Insurance Program (NFIP) map is warranted. This document revises the effective NFIP map, as indicated in the attached documentation. Please use the enclosed annotated map panels revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals in your community.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

Patrick "Rick" F. Sacbbit, P.E., Branch Chief
Engineering Services Branch
Federal Insurance and Mitigation Administration



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**LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)**

OTHER FLOODING SOURCES AFFECTED BY THIS REVISION

FLOODING SOURCE(S) & REVISED REACH(ES)

Deer Creek - From approximately 515 feet downstream of 23rd Street SE to approximately 1,070 feet upstream of 12th Avenue SE
Deer Creek - Pioneer - From just upstream of Deer Creek to approximately 1,275 feet upstream of Deer Creek
Deer Creek - 12th - From approximately 50 feet to approximately 1,060 feet upstream of the confluence with Deer Creek

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Deer Creek	Zone AO	Zone X (unshaded)	NONE	YES
Deer Creek - Pioneer	Zone X (unshaded) No BFEs*	Zone AE BFEs	NONE YES	YES NONE
Deer Creek - 12th	Zone AO No BFEs Zone AO	Zone AE BFEs Zone X (unshaded)	NONE YES NONE	YES NONE YES

* BFEs - Base Flood Elevations

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

COMMUNITY INFORMATION

APPLICABLE NFIP REGULATIONS/COMMUNITY OBLIGATION

We have made this determination pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (P.L. 93-234) and in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, P.L. 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65. Pursuant to Section 1361 of the National Flood Insurance Act of 1968, as amended, communities participating in the NFIP are required to adopt and enforce floodplain management regulations that meet or exceed NFIP criteria. These criteria, including adoption of the FIS report and FIRM, and the modifications made by this LOMR, are the minimum requirements for continued NFIP participation and do not supersede more stringent State/Commonwealth or local requirements to which the regulations apply.

COMMUNITY REMINDERS

We based this determination on the 1-percent-annual-chance discharges computed in the submitted hydrologic model. Future development of projects upstream could cause increased discharges, which could cause increased flood hazards. A comprehensive restudy of your community's flood hazards would consider the cumulative effects of development on discharges and could, therefore, indicate that greater flood hazards exist in this area.

Your community must regulate all proposed floodplain development and ensure that permits required by Federal and/or State/Commonwealth law have been obtained. State/Commonwealth or community officials, based on knowledge of local conditions and in the interest of safety, may set higher standards for construction or may limit development in floodplain areas. If your State/Commonwealth or community has adopted more restrictive or comprehensive floodplain management criteria, those criteria take precedence over the minimum NFIP requirements.

We will not print and distribute this LOMR to primary users, such as local insurance agents or mortgage lenders; instead, the community will serve as a repository for the new data. We encourage you to disseminate the information in this LOMR by preparing a news release for publication in your community's newspaper that describes the revision and explains how your community will provide the data and help interpret the NFIP maps. In that way, interested persons, such as property owners, insurance agents, and mortgage lenders, can benefit from the information.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

A handwritten signature in black ink, appearing to read "Rick F. Sacbibit".

Patrick "Rick" F. Sacbibit, P.E., Branch Chief
Engineering Services Branch
Federal Insurance and Mitigation Administration



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LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

We have designated a Consultation Coordination Officer (CCO) to assist your community. The CCO will be the primary liaison between your community and FEMA. For information regarding your CCO, please contact:

Mr. Mark Carey
Director, Mitigation Division
Federal Emergency Management Agency, Region X
Federal Regional Center
130 228th Street, Southwest
Bothell, WA 98021-8627
(425) 487-4682

STATUS OF THE COMMUNITY NFIP MAPS

We will not physically revise and republish the FIRM and FIS report for your community to reflect the modifications made by this LOMR at this time. When changes to the previously cited FIRM panel(s) and FIS report warrant physical revision and republication in the future, we will incorporate the modifications made by this LOMR at that time.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

PUBLIC NOTIFICATION OF REVISION

A notice of changes will be published in the *Federal Register*. This information also will be published in your local newspaper on or about the dates listed below, and through FEMA's Flood Hazard Mapping website at

https://www.floodmaps.fema.gov/fhm/bfe_status/bfe_main.asp

LOCAL NEWSPAPER

Name: *The News Tribune*

Dates: November 28, 2018 and December 5, 2018

Within 90 days of the second publication in the local newspaper, any interested party may request that we reconsider this determination. Any request for reconsideration must be based on scientific or technical data. Therefore, this letter will be effective only after the 90-day appeal period has elapsed and we have resolved any appeals that we receive during this appeal period. Until this LOMR is effective, the revised flood hazard determination presented in this LOMR may be changed.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Information eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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Engineering Services Branch
Federal Insurance and Mitigation Administration

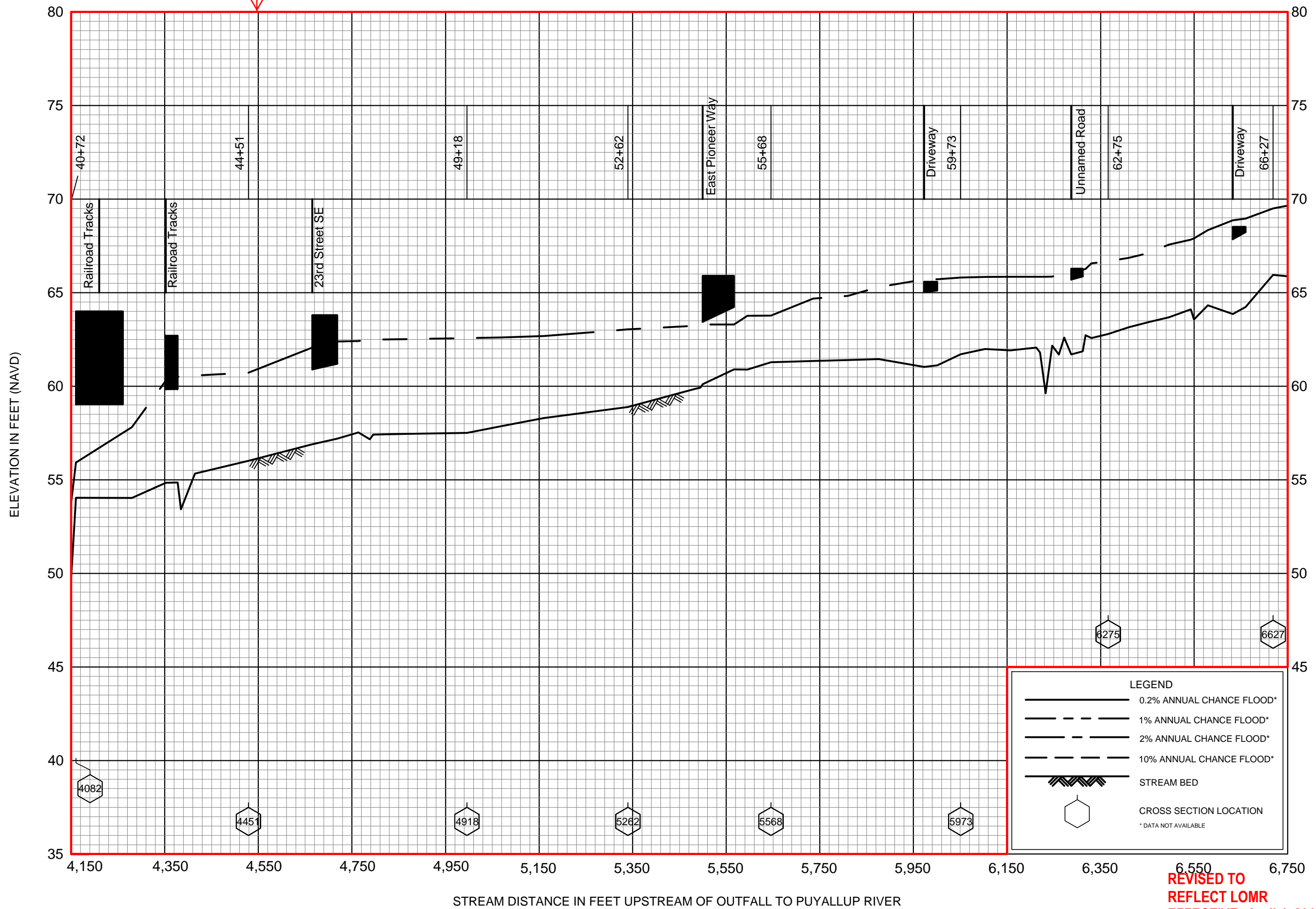
Table 2 – Summary of Discharges

<u>Flooding Source and Location</u>	<u>Drainage Area (square miles)</u>	<u>Peak Discharges (cubic feet per second)</u>			
		<u>10-Percent- Annual-Chance</u>	<u>2-Percent- Annual-Chance</u>	<u>1-Percent- Annual-Chance</u>	<u>0.2-Percent- Annual-Chance</u>
DEBRA JANE CREEK					
At Mouth	1.3	45	62	69	85
At Confluence with Bonney Lake Outflow	0.8	26	34	38	48
At Upstream End of Debra Jane Lake	0.1	9	12	14	17
DEER CREEK					
At the BNSF Railroad crossing near E. Pioneer Way and 23 rd Street SE	2.4	N/A	N/A	220	N/A

↑
REVISED DATA

**REVISED TO
REFLECT LOMR
EFFECTIVE: April 4, 2019**

REVISED REACH

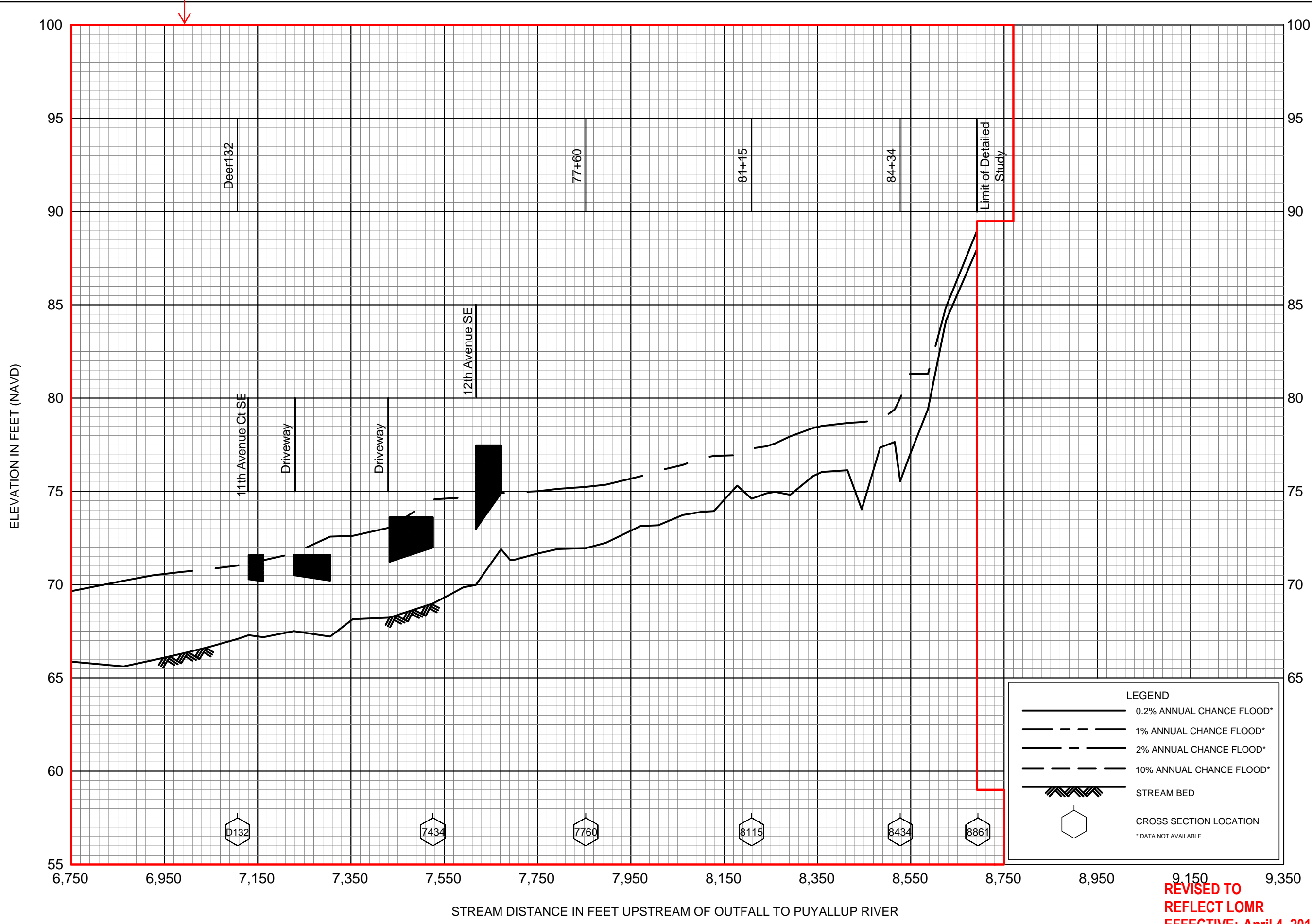


FLOOD PROFILES
DEER CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
PIERCE COUNTY, WA
AND INCORPORATED AREAS

REVISED TO
REFLECT LOMR
EFFECTIVE: April 4, 2019

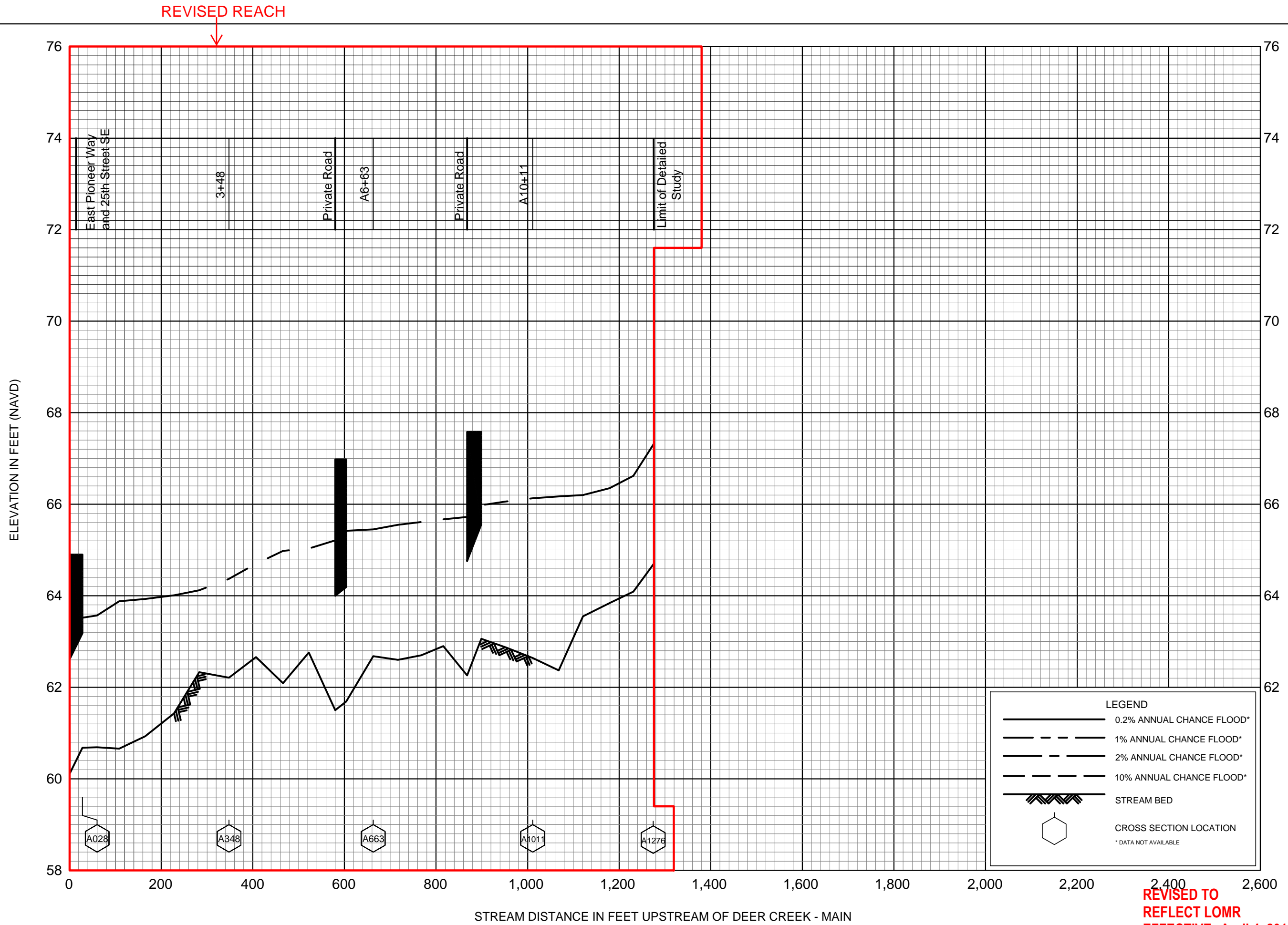
REVISED REACH



FLOOD PROFILES
DEER CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
PIERCE COUNTY, WA
AND INCORPORATED AREAS

REVISED TO
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EFFECTIVE: April 4, 2019



FLOOD PROFILES

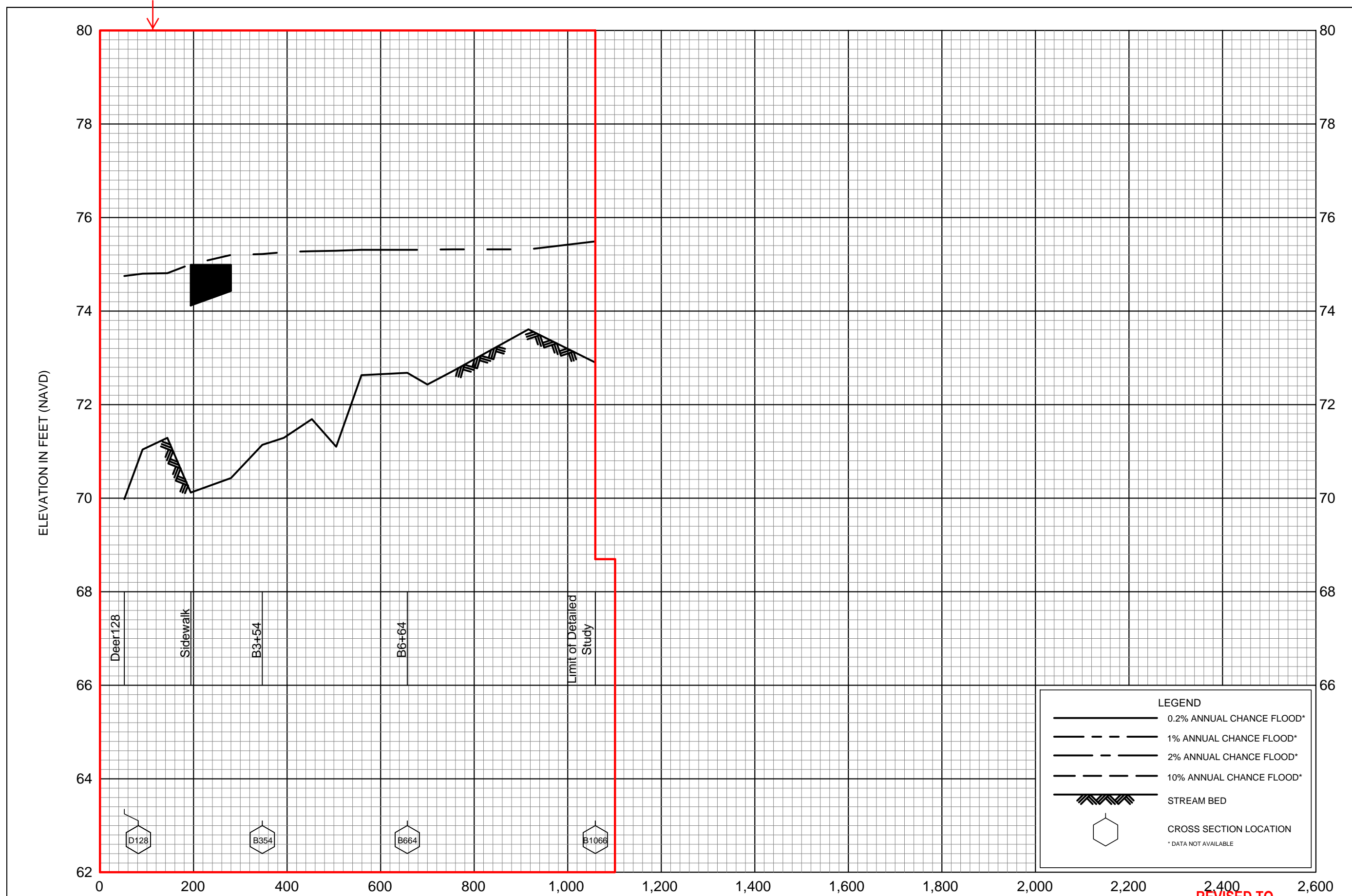
DEER CREEK - PIONEER

FEDERAL EMERGENCY MANAGEMENT AGENCY

PIERCE COUNTY, WA
AND INCORPORATED AREAS

FLOOD PROFILES
DEER CREEK - 12TH

FEDERAL EMERGENCY MANAGEMENT AGENCY
PIERCE COUNTY, WA
AND INCORPORATED AREAS



LEGEND

- 0.2% ANNUAL CHANCE FLOOD*
- - - 1% ANNUAL CHANCE FLOOD*
- · - 2% ANNUAL CHANCE FLOOD*
- - - - 10% ANNUAL CHANCE FLOOD*
- ▨ STREAM BED
- ⬡ CROSS SECTION LOCATION
- * DATA NOT AVAILABLE

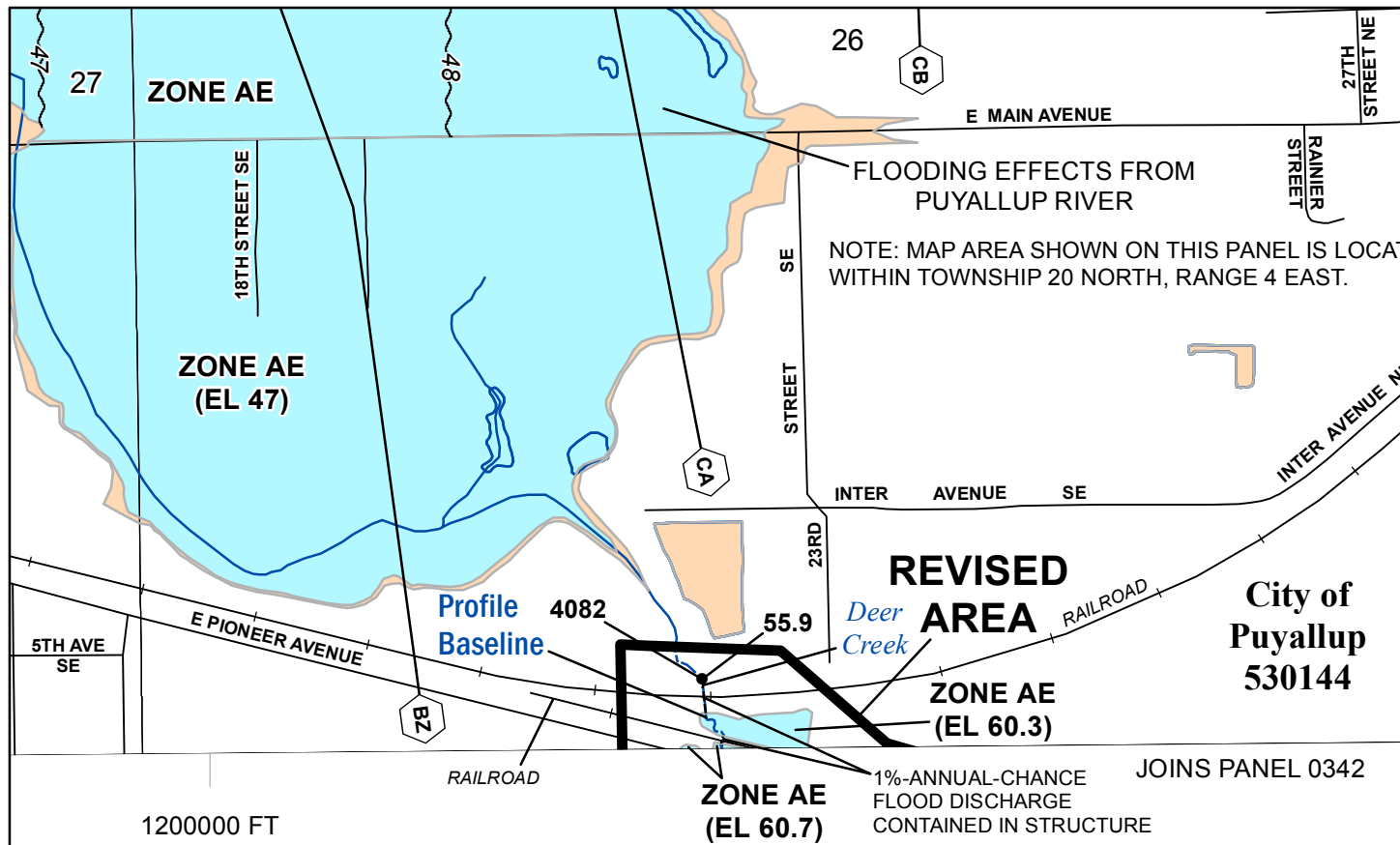
**REVISED TO
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EFFECTIVE: April 4, 2019**

REVISED REACH

ELEVATION IN FEET (NAVD)

STREAM DISTANCE IN FEET UPSTREAM OF DEER CREEK - MAIN

**Pierce County
Unincorporated
Areas
530138**



SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE)
Zone A, V, A99
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee
See Notes. *Zone X*

SCALE

Map Projection:
NAD 1983 UTM zone 10N;
Western Hemisphere; Vertical Datum: NAVD 88

1 inch = 500 feet 1:6,000

0 250 500 1,000 Feet

0 75 150 300 Meters

FEMA National Flood Insurance Program

**NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP**

**PIERCE COUNTY, WASHINGTON
and Incorporated Areas**

PANEL **334** OF **1375**

COMMUNITY	NUMBER	PANEL	SUFFIX
EDGEWOOD, CITY OF	530328	0334	E
PIERCE COUNTY	530138	0334	E
PUYALLUP, CITY OF	530144	0334	E
SUMNER, CITY OF	530147	0334	E

**REVISED TO REFLECT LOMR
EFFECTIVE: April 4, 2019**

VERSION NUMBER
1.1.1.0

MAP NUMBER
53053C0334E

EFFECTIVE DATE
MARCH 7, 2017

120000 FT

**City of Puyallup
530144**

JOINS PANEL 0342

**REVISED
AREA**

**ZONE AE
(EL 60.3)**

**ZONE AE
(EL 60.7)**

1%-ANNUAL-CHANCE
FLOOD DISCHARGE
CONTAINED IN STRUCTURE

Profile
Baseline

RAILROAD

E PIONEER AVENUE

INTER AVENUE SE

INTER AVENUE NE

E MAIN AVENUE

18TH STREET SE

23RD STREET SE

RAINIER STREET

27TH STREET NE

ZONE AE

**ZONE AE
(EL 47)**

26

27

48

5TH AVE SE

BZ

CA

CB

