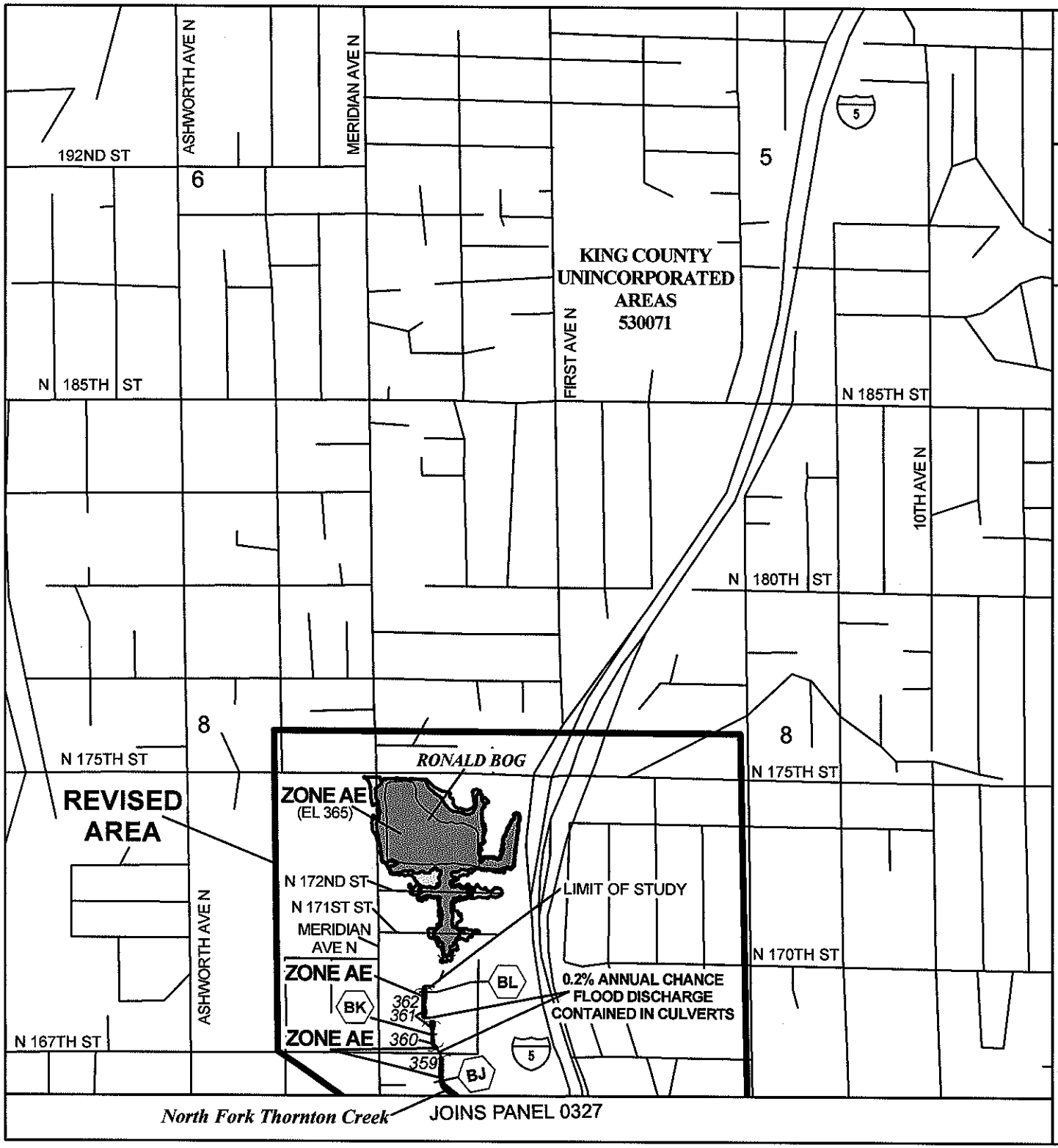


Legend

- 1% annual chance (100-Year) Floodplain
- 1% annual chance (100-Year) Floodway
- 0.2% annual chance (500-Year) Floodplain

MAP SCALE 1" = 1000'

500 0 1000 FEET

300 0 300 METERS

NATIONAL FLOOD INSURANCE PROGRAM

FIRM

FLOOD INSURANCE RATE MAP

KING COUNTY, WASHINGTON AND INCORPORATED AREAS

PANEL 40 OF 1725

(SEE MAP INDEX FOR PANELS NOT PRINTED)

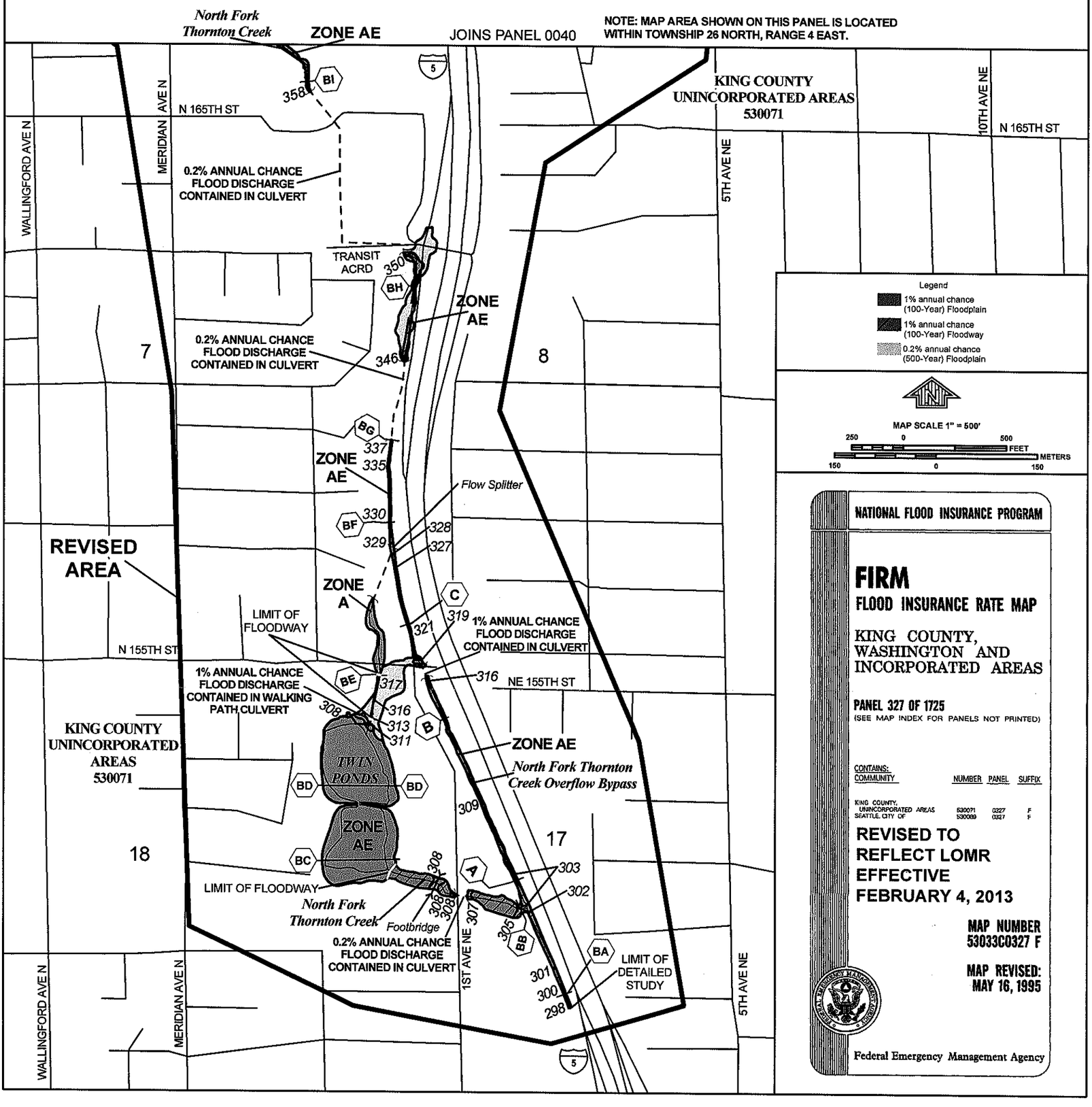
CONTAINS: COMMUNITY	NUMBER	PANEL	SUFFIX
KING COUNTY, UNINCORPORATED AREAS	530071	0040	F

REVISED TO REFLECT LOMR EFFECTIVE FEBRUARY 4, 2013

MAP NUMBER 53033C0040 F

MAP REVISED: MAY 16, 1995

Federal Emergency Management Agency


North Fork Thornton Creek
ZONE AE
JOINS PANEL 0040
NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 26 NORTH, RANGE 4 EAST.
KING COUNTY UNINCORPORATED AREAS 530071
N 165TH ST
WALLINGFORD AVE N
MERIDIAN AVE N
5TH AVE NE
10TH AVE NE
0.2% ANNUAL CHANCE FLOOD DISCHARGE CONTAINED IN CULVERT
TRANSIT ACRD
ZONE AE
7
8
Flow Splitter
ZONE A
REVISED AREA
LIMIT OF FLOODWAY
1% ANNUAL CHANCE FLOOD DISCHARGE CONTAINED IN CULVERT
N 155TH ST
NE 155TH ST
1% ANNUAL CHANCE FLOOD DISCHARGE CONTAINED IN WALKING PATH CULVERT
TWIN PONDS
North Fork Thornton Creek Overflow Bypass
17
18
North Fork Thornton Creek
Footbridge
1ST AVE NE
LIMIT OF DETAILED STUDY
Legend
1% annual chance (100-Year) Floodplain
1% annual chance (100-Year) Floodway
0.2% annual chance (500-Year) Floodplain
MAP SCALE 1" = 500'
250 0 500 FEET
150 0 150 METERS
NATIONAL FLOOD INSURANCE PROGRAM
FIRM
FLOOD INSURANCE RATE MAP
KING COUNTY, WASHINGTON AND INCORPORATED AREAS
PANEL 327 OF 1725
(SEE MAP INDEX FOR PANELS NOT PRINTED)
CONTAINS: COMMUNITY NUMBER PANEL SUFFIX
KING COUNTY, UNINCORPORATED AREAS 530071 0327 F
SEATTLE, CITY OF 530099 0327 F
REVISED TO REFLECT LOMR EFFECTIVE FEBRUARY 4, 2013
MAP NUMBER 53033C0327 F
MAP REVISED: MAY 16, 1995
Federal Emergency Management Agency

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY (FEET NGVD)	WITH FLOODWAY (FEET NGVD)	INCREASE
North Fork Thornton Creek (Cont'd)								
BA	24,852	11	15	6.9	299.6	299.6	299.6	0.0
BB	25,344	10	9	5.4	304.5	304.5	304.5	0.0
BC	26,177	110	2,378	0.0	308.3	308.3	308.3	0.0
BD	26,564	295	2,044	0.0	308.3	308.3	308.3	0.0
BE	27,112	2	10	5.9	317.7	317.7	317.7	0.0
BF	28,014	8	13	6.7	329.5	329.5	329.5	0.0
BG	28,416	3	17	9.7	338.0	338.1	338.1	0.0
BH	29,177	9	16	4.2	348.6	348.6	348.6	0.0
BI	30,543	10	16	2.7	358.3	358.3	358.3	0.0
BJ	30,854	24	38	1.1	358.8	358.8	358.8	0.0
BK	31,284	4	7	6.3	360.6	360.6	360.6	0.0
BL	31,644	9	16	2.7	361.8	361.8	361.9	0.1
North Fork Thornton Creek Overflow Bypass								
A	152	12	16	3.8	302.8	302.8	302.8	0.0
B	1,013	11	16	3.9	313.5	313.5	313.5	0.0
C	1,519	9	10	6.2	321.4	321.4	321.4	0.0

[1]Feet Above Mouth

TABLE 4

FEDERAL EMERGENCY MANAGEMENT AGENCY

KING COUNTY, WA

AND INCORPORATED AREAS

FLOODWAY DATA

REVISED TO REFLECT LOMR EFFECTIVE FEBRUARY 4, 2013

NORTH FORK THORNTON CREEK - NORTH FORK THORNTON CREEK OVERFLOW BYPASS

TABLE 1 - SUMMARY OF DISCHARGES (Cont'd)

Flooding Source and Location	Drainage Area (sq. miles)	Peak Discharges (cfs) 10-Year	50-Year	100-Year	500-Year
North Branch Mercer Creek (North Valley Creek)					
At mouth	3.10	111	157	177	227
N.E. 40th Street	1.12	46	69	79	106
Thornton Creek					
Above mouth at Lake Washington	12.1	190	290	390	670
At N.E. 93rd Street	11.7	150	230	330	590
At 45th Avenue N.E.	11.5	140	210	310	560
At N.E. 105th Street	11.1	110	170	260	490
At diversion weir to downstream channel	11.0	100	160	250	480
At diversion to Lake Washington	--	210	330	340	350
Below confluence of North and South Fork Thornton Creeks	10.9	310	490	590	830
North Fork Thornton Creek					
Above South Fork Thornton Creek confluence	7.2	160	270	320	470
Below tributary confluence downstream of N.E. 115th Street	6.8	140	230	280	410
At N.E. 115th Street and 35th Avenue N.E.	5.6	90	150	180	270
At N.E. 125th Street	5.2	67	120	150	240
At 15th Avenue N.E.	4.2	42	82	110	170
Approximately 350 ft downstream of 1st Avenue NE	2.2	66	93	106	137
At Flow Splitter and confluence with Overflow Bypass	2.0	21	22	22	23
Just downstream of Transit Acrd	1.0	45	61	68	87
Approximately 500 feet downstream of N 171st Street	1.0	28	38	43	55
North Fork Thornton Creek Overflow Bypass					
Approximately 600 feet upstream of N 155th Street	1.5	34	53	62	84
South Fork Thorton Creek					
At 35th Avenue N.E. and N.E. 105th Street	3.8	150	230	270	380
At 30th Avenue N.E.	3.6	140	210	250	350
At Lake City Way	3.2	120	180	210	300
At N.E. 107th Street	2.1	72	110	130	180
At N.E. 105th Street and 8th Avenue N.E.	1.4	50	75	89	120

REVISED AREA

REVISED TO REFLECT LOMR EFFECTIVE FEBRUARY 4, 2013

Table 2 - Summary of Elevations (Cont'd)

Flooding Source and Location	Elevation in Feet (NGVD) 10-Year	50-Year	100-Year	500-Year
Area in the vicinity of SW 207th Street extended	8.6	9.6	10.1	10.5
Area from vicinity of SW 207th Place extended to Normandy Park-Des Moines corporate limits	10.2	13.5	16.3	16.7
Unprotected Area North of Des Moines Marina and Area Outside the Breakwater	10.2	13.5	16.3	16.7
Protected Area Within the Breakwater and Area Shadowed by the Breakwater	8.3	8.9	9.1	9.5
Unprotected Area South of Des Moines Marina	8.3	8.9	9.1/12.7[1]	9.5
Lake Sammamish	29.0	31.3	32.5	34.0
REVISED AREA → Ronald Bog	363.5	364.7	365.2	366.3

[1]Stillwater Elevation/Wave Runup Elevation

Areas of coastline subject to wave attack are referred to as coastal high hazard zones. Factors considered in determining wave runup included length of fetch, sustained wind velocities, coastal water depths, land slopes, and other physical features of the coastline that could appreciably affect wave propagation. Much of the coastline along Des Moines is protected by a breakwater that extends north and south along the coast to protect the Des Moines Marina. The area west of this breakwater and the unprotected area north and south of the breakwater have been designated coastal high hazard zones. The unprotected sections of the coastline are subject to wave attack generated by high winds from a southwest direction across Puget Sound. The remaining coastal areas inland from the breaking waves, subject only to wave runup, and areas sheltered by the breakwater are not exposed to severe wave attack and have not been designated as part of a coastal high hazard zone.

Elevations on Lake Sammamish for the various frequency floods are controlled by the COE Lake Sammamish outlet project built in 1966. This project consists of a low weir designed to maintain the lake elevation at 29.0 feet for the 10-year flood. The elevations for the 50-, 100-, and 500-year floods were computed by routing techniques through the lake. Elevations for floods for the selected recurrence intervals are also presented in Table 2.

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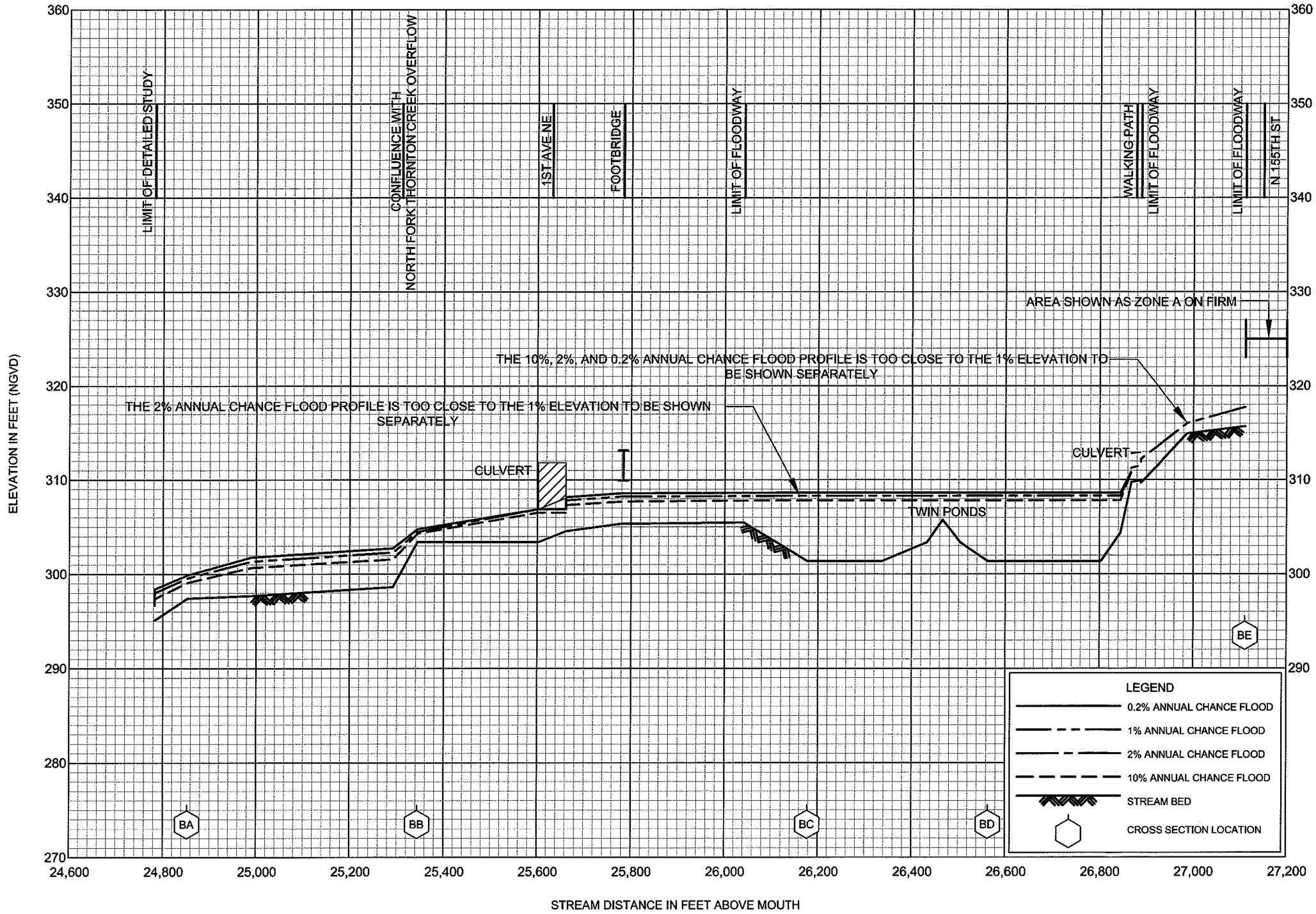


REVISED TO REFLECT LOMR
EFFECTIVE FEBRUARY 4, 2013

FLOOD PROFILES

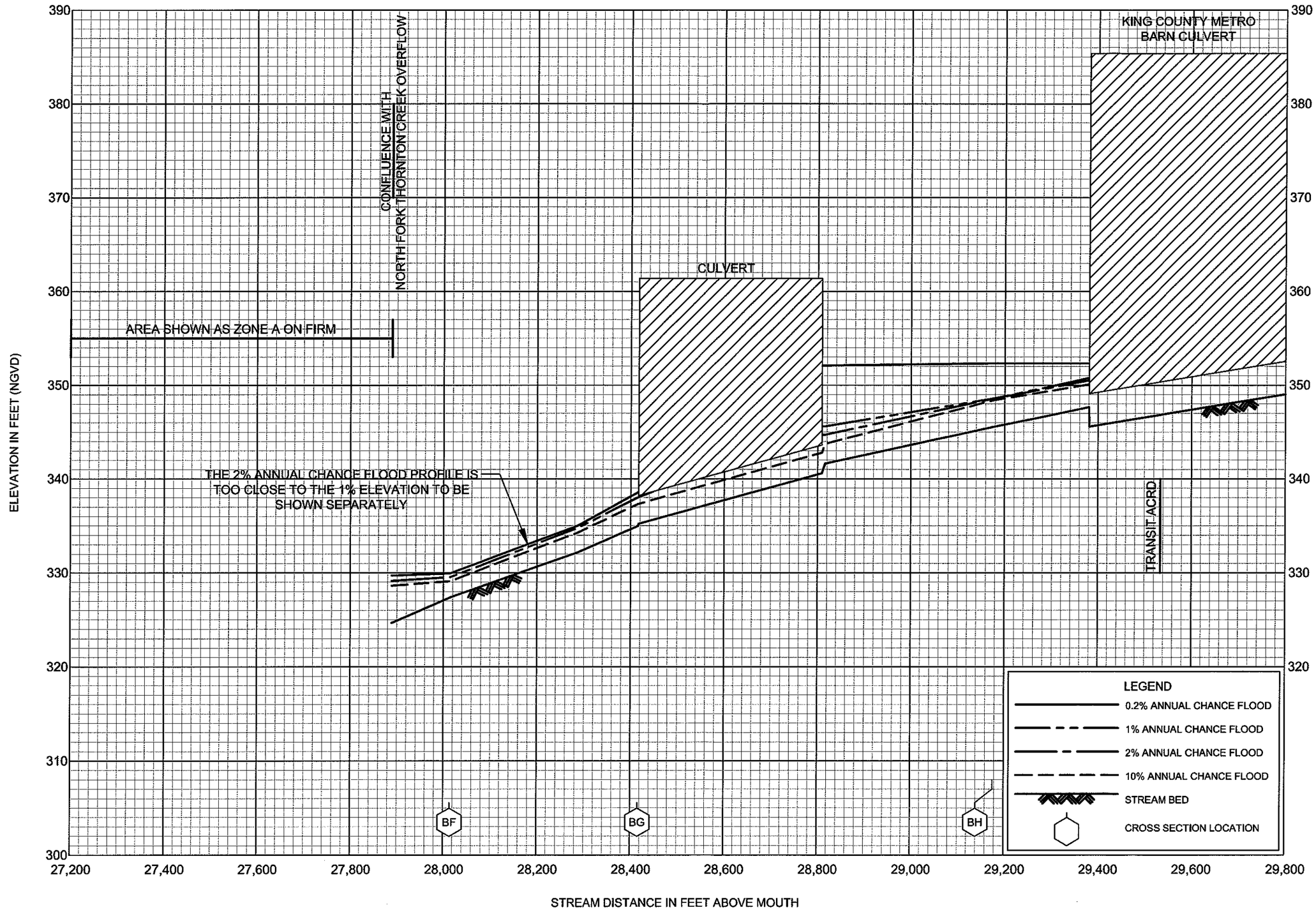
NORTH FORK THORNTON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

KING COUNTY, WA

AND INCORPORATED AREAS

179P(a)



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FLOOD PROFILES

NORTH FORK THORNTON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

KING COUNTY, WA

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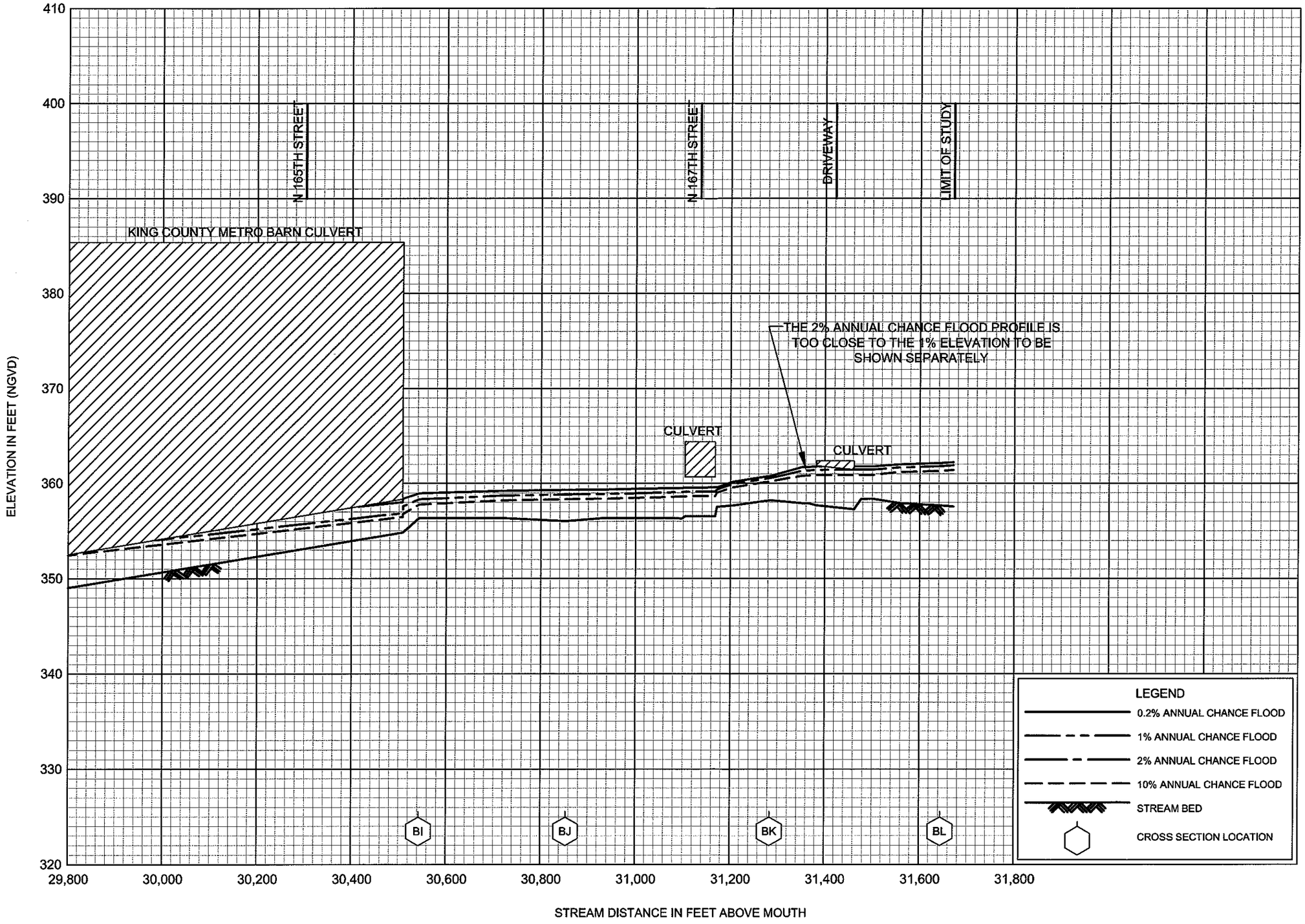

REVISED TO REFLECT LOMR
EFFECTIVE FEBRUARY 4, 2013

FLOOD PROFILES

NORTH FORK THORNTON CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

KING COUNTY, WA

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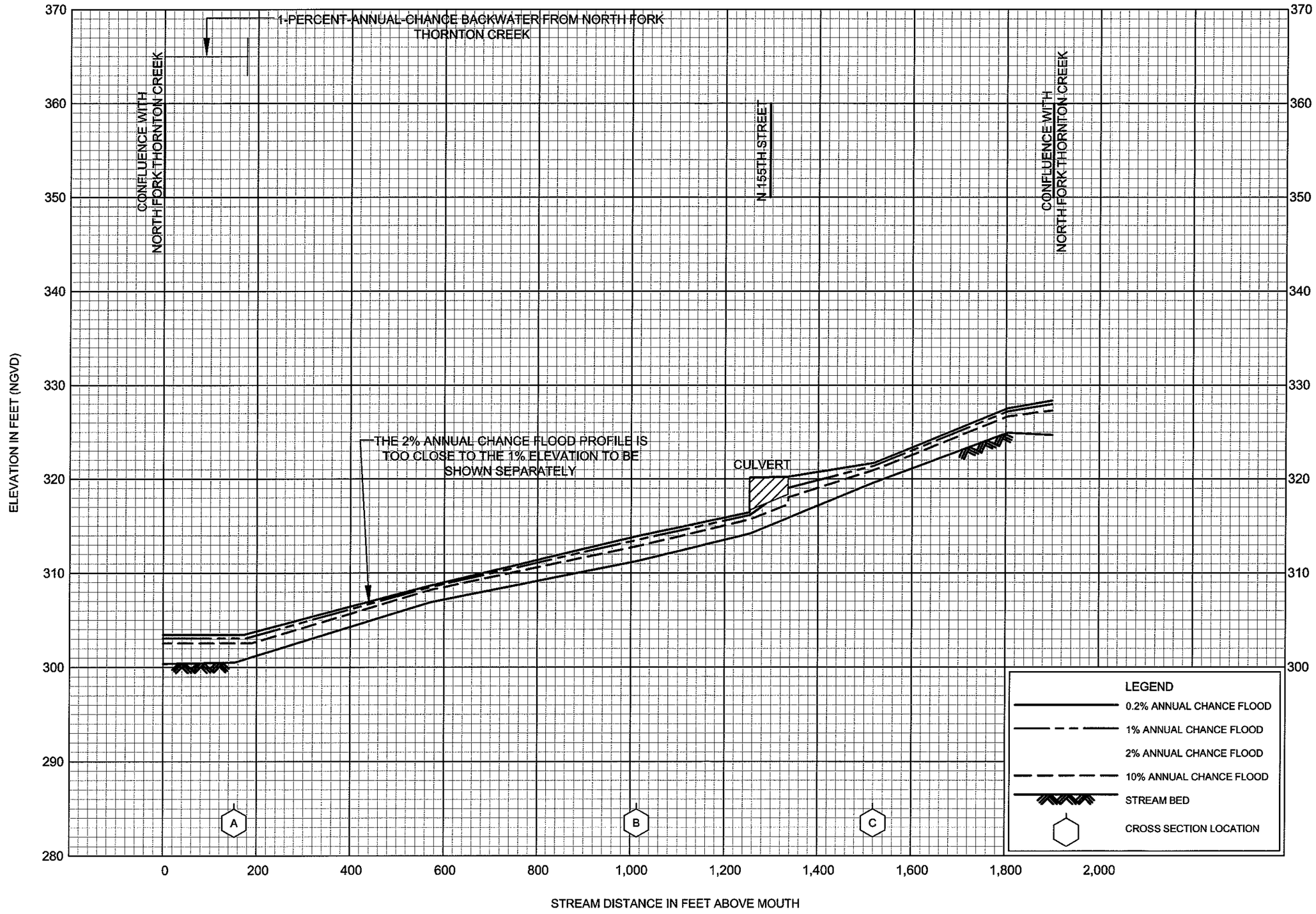

REVISED TO REFLECT LOMR EFFECTIVE FEBRUARY 4, 2013

FLOOD PROFILES

NORTH FORK THORNTON CREEK OVERFLOW BYPASS

FEDERAL EMERGENCY MANAGEMENT AGENCY

KING COUNTY, WA

AND INCORPORATED AREAS

179P(d)