

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Vine Brook								
A	1,055	100	409	2.0	99.9	97.8 ²	98.6	0.8
B	1,790	30	110	7.5	99.9	99.3 ²	99.7	0.4
C	2,235	50	267	3.1	101.5	101.5	102.1	0.6
D	2,655	33	140	5.9	101.7	101.7	102.7	1.0
E	2,855	20	81	10.2	106.4	106.4	106.8	0.4
F	3,120	50	620	1.3	121.6	121.6	121.6	0.0
G	3,855	40	340	2.4	121.6	121.6	121.6	0.0
H	4,425	40	321	2.5	122.2	122.2	122.2	0.0
I	5,100	40	294	2.7	122.7	122.7	122.9	0.2
J	5,400	60	444	1.8	122.9	122.9	123.3	0.4
K	6,572	200	1,380	1.1	123.0	123.0	123.9	0.9
L	7,786	100	580	1.4	123.1	123.1	124.0	0.9
M	9,808	100	639	1.3	123.6	123.6	124.6	1.0
N	12,095	500	3,314	0.3	124.8	124.8	125.8	1.0
O	17,491	150	531	1.9	124.8	124.8	125.8	1.0
P	18,578	30	319	3.2	132.4	132.4	133.0	0.6
Q	19,059	22	225	4.5	132.4	132.4	133.1	0.7
R	19,751	30	221	4.5	133.4	133.4	134.1	0.7
S	21,366	30	230	2.2	135.1	135.1	135.7	0.6
T	23,246	30	214	2.3	135.8	135.8	136.3	0.5
U	24,265	90	490	1.0	137.6	137.6	138.2	0.6
V	26,414	200	537	0.9	154.3	154.3	155.2	0.9
W	26,863	40	176	2.8	159.8	159.8	160.3	0.5
X	29,890	128	1,540	0.3	179.4	179.4	180.4	1.0
Y	30,471	186	1,871	0.3	179.4	179.4	180.4	1.0
Z	30,682	193	1,591	0.3	179.4	179.4	180.4	1.0

¹ Feet above confluence with Shawsheen River

² Elevation computed without consideration of backwater effects from Shawsheen River

TABLE 8

FEDERAL EMERGENCY MANAGEMENT AGENCY

**MIDDLESEX COUNTY, MA
(ALL JURISDICTIONS)**

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FLOODWAY DATA

VINE BROOK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE ¹	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Vine Brook (continued)								
AA	30,999	114	778	0.6	179.4	179.4	180.4	1.0
AB	31,316	92	754	0.6	181.8	181.8	182.8	1.0
AC	31,897	40	344	1.3	181.9	181.9	182.9	1.0
AD	32,124	62	529	0.8	182.5	182.5	183.5	1.0
AE	33,022	64	506	0.9	182.5	182.5	183.5	1.0
AF	33,233	222	1,252	0.3	182.5	182.5	183.5	1.0
AG	34,711	32	273	1.4	182.6	182.6	183.6	1.0
AH	34,922	44	312	1.2	182.6	182.6	183.6	1.0
AI	35,133	146	679	0.6	182.7	182.7	183.7	1.0
AJ	35,466	30	278	1.4	182.7	182.7	183.7	1.0
AK	35,677	556	1,236	0.3	183.5	183.5	184.5	1.0
AL	36,575	21	162	2.2	183.6	183.6	184.6	1.0
AM	36,628	50	345	1.0	183.7	183.7	184.7	1.0

¹ Feet above confluence with Shawsheen River

TABLE 8

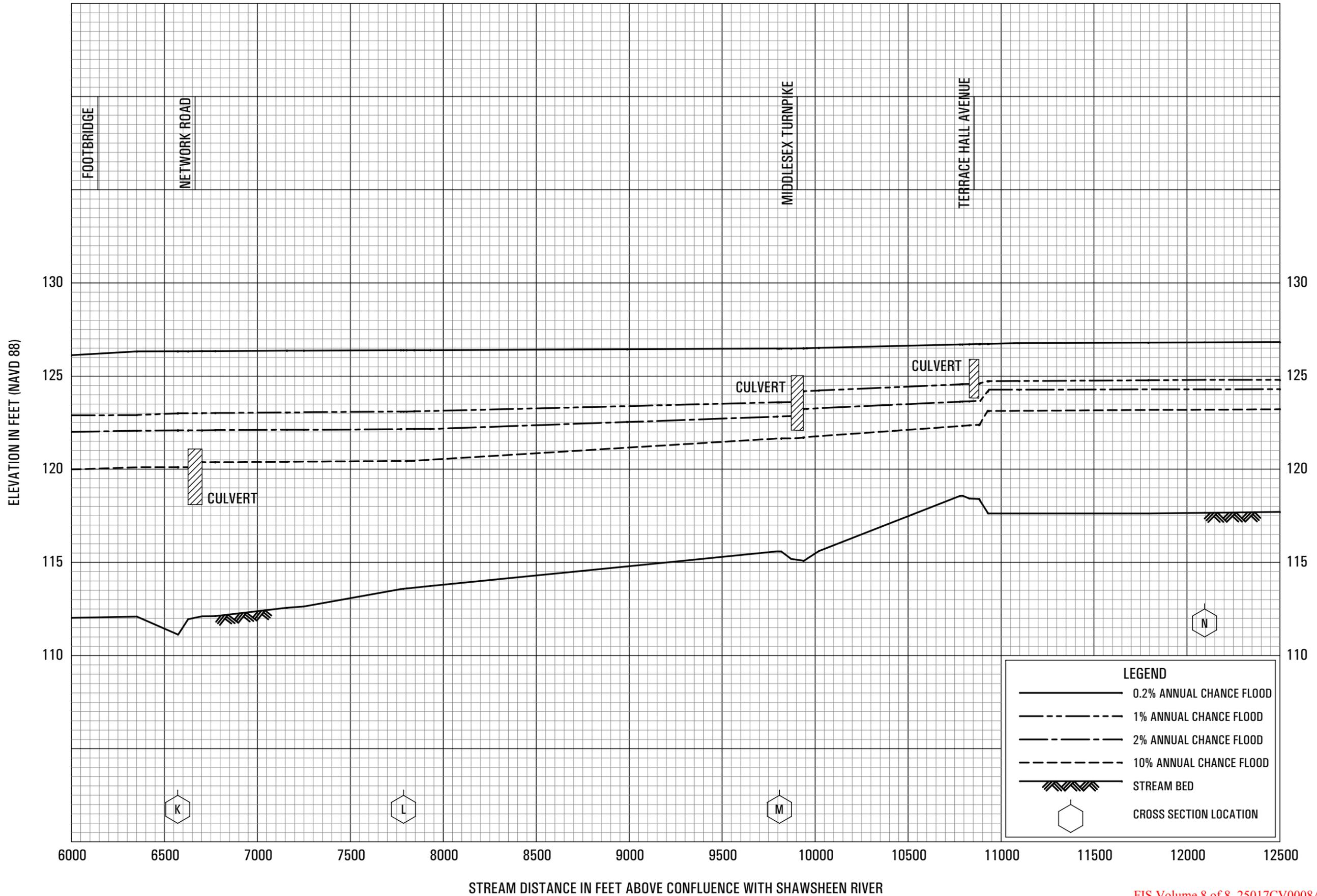
FEDERAL EMERGENCY MANAGEMENT AGENCY

**MIDDLESEX COUNTY, MA
(ALL JURISDICTIONS)**

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FLOODWAY DATA

VINE BROOK



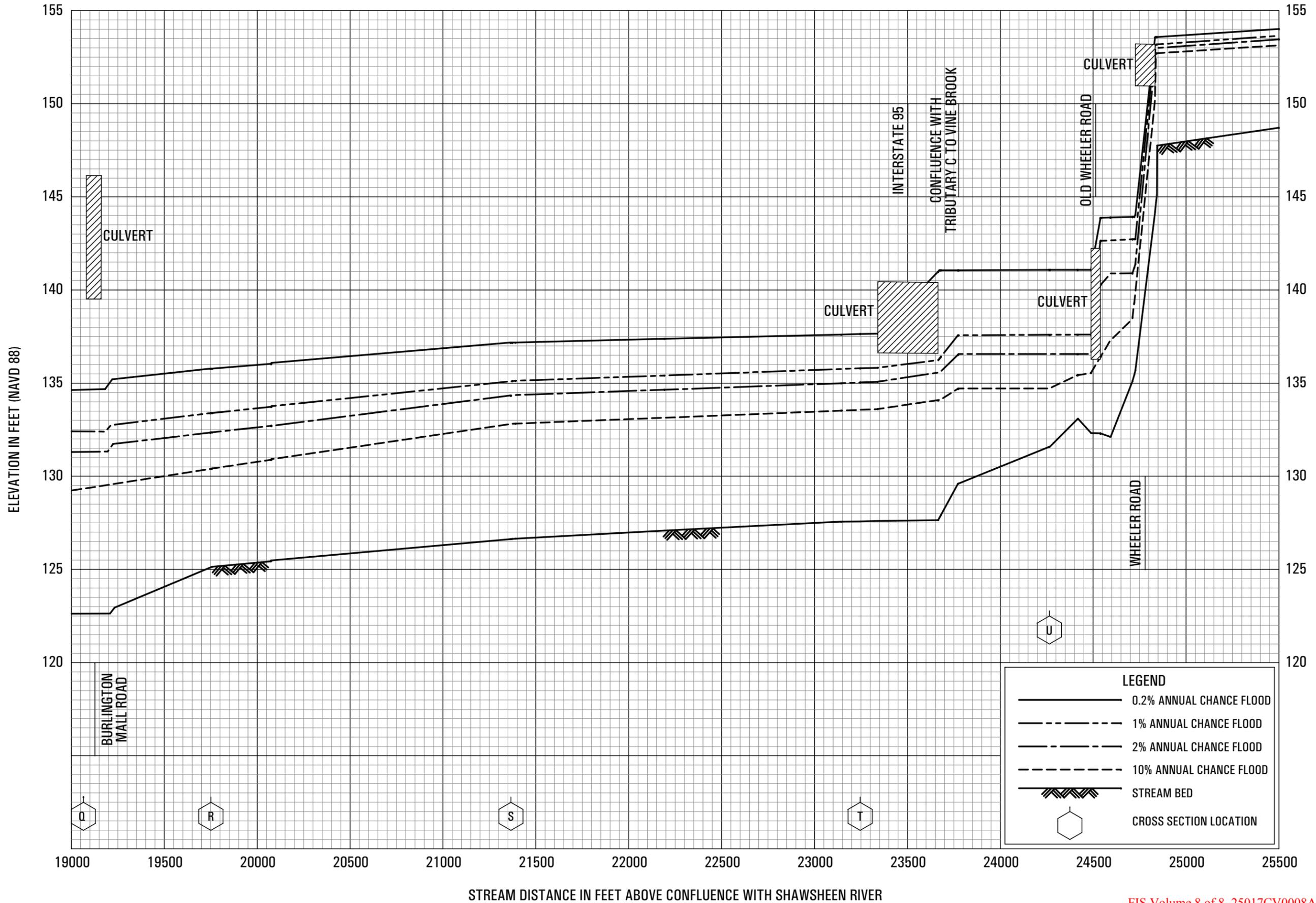
FLOOD PROFILES

VINE BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

MIDDLESEX COUNTY, MA

(ALL JURISDICTIONS)



FLOOD PROFILES

VINE BROOK

FEDERAL EMERGENCY MANAGEMENT AGENCY

MIDDLESEX COUNTY, MA

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