Federal Emergency Management Agency
Washington, D.C. 20472

LETTER OF MAP REVISION BASED ON FILL DETERMINATION DOCUMENT (REMOVAL)

COMMUNITY AND MAP PANEL INFORMATION		LEGAL PROPERTY DESCRIPTION
COMMUNITY	BOROUGH OF JONESTOWN, LEBANON COUNTY, PENNSYLVANIA	Lots S65 through S75, S78 through S81, G113 through G116, G196, T197, T198, T121, T129, and a portion of S100, The Villages of Twin Creeks, as shown on the Plat recorded in Book 56, Pages 185 though 192, in the Office of the Recorder, Lebanon County, Pennsylvania
	COMMUNITY NO.: 420572	
AFFECTED MAP PANEL	NUMBER: 4205720001B	The portion of property to be removed from the SFHA is more particularly described by the following metes and bounds:
	NAME: BOROUGH OF JONESTOWN, LEBANON COUNTY, PENNSYLVANIA	
	DATE: 12/4/1979	
FLOODING SOURCE: SWATARA CREEK, LITTLE SWATARA CREEK		APPROXIMATE LATITUDE & LONGITUDE OF PROPERTY: 40.407, -76.483 SOURCE OF LAT & LONG: PRECISON MAPPING STREETS 7.0 DATUM: NAD 83

DETERMINATION

LOT	BLOCK/ SECTION	SUBDIVISION	STREET	OUTCOME WHAT IS REMOVED FROM THE SFHA	FLOOD ZONE	1% ANNUAL CHANCE FLOOD ELEVATION (NGVD 29)	LOWEST ADJACENT GRADE ELEVATION (NGVD 29)	LOWEST LOT ELEVATION (NGVD 29)
S100	—	The Villages of Twin Creeks	—	Portion of Property	B	411.0 feet	—	411.0 feet

Special Flood Hazard Area (SFHA) - The SFHA is an area that would be inundated by the flood having a 1-percent chance of being equaled or exceeded in any given year (base flood).

ADDITIONAL CONSIDERATIONS (Please refer to the appropriate section on Attachment 1 for the additional considerations listed below.)

LEGAL PROPERTY DESCRIPTION
PORTIONS REMAIN IN THE FLOODWAY

This document provides the Federal Emergency Management Agency's determination regarding a request for a Letter of Map Revision based on Fill for the property described above. Using the information submitted and the effective National Flood Insurance Program (NFIP) map, we have determined that the described portion(s) of the property(ies) is/are not located in the SFHA, an area inundated by the flood having a 1-percent chance of being equaled or exceeded in any given year (base flood). This document revises the effective NFIP map to remove the subject property from the SFHA located on the effective NFIP map; therefore, the Federal mandatory flood insurance requirement does not apply. However, the lender has the option to continue the flood insurance requirement to protect its financial risk on the loan. A Preferred Risk Policy (PRP) is available for buildings located outside the SFHA. Information about the PRP and how one can apply is enclosed.

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 Assistance Center toll free at (877) 336-2627 (877-FEMA MAP) or by letter addressed to the Federal Emergency Management Agency, 3601 Eisenhower Avenue, Suite 130, Alexandria, VA 22304-6439.

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LETTER OF MAP REVISION BASED ON FILL DETERMINATION DOCUMENT (REMOVAL)

ATTACHMENT 1 (ADDITIONAL CONSIDERATIONS)

LEGAL PROPERTY DESCRIPTION (CONTINUED)

1. a curve turning to the left with an arc length of 37.78 feet, with a radius of 80.45 feet, with a chord bearing of South 89 degrees 19 minutes 10 seconds East, with a chord length of 37.43 feet
2. a curve turning to the left with an arc length of 68.65 feet, with a radius of 193.77 feet, with a chord bearing of North 67 degrees 04 minutes 45 seconds East, with a chord length of 68.29 feet
3. a curve turning to the left with an arc length of 29.73 feet, with a radius of 256.57 feet, with a chord bearing of South 17 degrees 06 minutes 53 seconds East, with a chord length of 29.71 feet
4. a curve turning to the left with an arc length of 29.61 feet, with a radius of 465.67 feet, with a chord bearing of South 22 degrees 15 minutes 21 seconds East, with a chord length of 29.60 feet
5. a curve turning to the left with an arc length of 41.41 feet, with a radius of 127.43 feet, with a chord bearing of South 33 degrees 23 minutes 13 seconds East, with a chord length of 41.23 feet
6. with a curve turning to the left with an arc length of 31.58 feet, with a radius of 31.75 feet, with a chord bearing of South 71 degrees 11 minutes 40 seconds East, with a chord length of 30.30 feet
7. North 84 degrees 33 minutes 48 seconds East a distance of 46.32 feet
8. South 89 degrees 39 minutes 01 seconds East a distance of 36.95 feet
9. a curve turning to the right with an arc length of 19.16 feet, with a radius of 31.35 feet, with a chord bearing of South 72 degrees 08 minutes 40 seconds East, with a chord length of 18.86 feet
10. a curve turning to the right with an arc length of 125.22 feet, with a radius of 566.03 feet, with a chord bearing of South 48 degrees 18 minutes 04 seconds East, with a chord length of 124.96 feet
11. South 37 degrees 12 minutes 21 seconds East a distance of 91.06 feet
12. a curve turning to the right with an arc length of 25.59 feet, with a radius of 44.48 feet, with a chord bearing of South 13 degrees 24 minutes 34 seconds East, with a chord length of 25.24 feet
13. thence with a curve turning to the left with an arc length of 27.90 feet, with a radius of 78.70 feet, with a chord bearing of South 06 degrees 37 minutes 43 seconds East, with a chord length of 27.75 feet
14. South 14 degrees 11 minutes 15 seconds East a distance of 123.18 feet
15. a curve turning to the right with an arc length of 59.38 feet, with a radius of 96.96 feet, with a chord bearing of South 03 degrees 21 minutes 19 seconds West, with a chord length of 58.45 feet
16. a curve turning to the left with an arc length of 53.22 feet, with a radius of 789.55 feet, with a chord bearing of South 18 degrees 14 minutes 30 seconds West, with a chord length of 53.21 feet
17. a curve turning to the left with an arc length of 7.38 feet, with a radius of 7.16 feet, with a chord bearing of South 12 degrees 45 minutes 36 seconds East, with a chord length of 7.06 feet
18. South 43 degrees 03 minutes 14 seconds East a distance of 87.43 feet
19. South 07 degrees 30 minutes 11 seconds West a distance of 35.96 feet
20. North 70 degrees 42 minutes 14 seconds West a distance of 183.50 feet
21. a curve turning to the right with an arc length of 49.83 feet, with a radius of 100.00 feet, with a chord bearing of North 56 degrees 25 minutes 43 seconds West, with a chord length of 49.32 feet
22. North 42 degrees 09 minutes 11 seconds West a distance of 505.33 feet
23. a curve turning to the right with an arc length of 95.48 feet, with a radius of 500.00 feet, with a chord bearing of North 36 degrees 40 minutes 56 seconds West, with a chord length of 95.34 feet
24. North 49 degrees 06 minutes 11 seconds East a distance of 107.81 feet
25. North 25 degrees 39 minutes 33 seconds East a distance of 16.29 feet
26. South 75 degrees 52 minutes 04 seconds East a distance of 25.86 feet;

Containing an area of 178885 square feet, 4.11 acres

1. South 25 degrees 39 minutes 33 seconds West a distance of 7.72 feet
2. South 48 degrees 41 minutes 56 seconds West a distance of 100.93 feet
3. a curve turning to the right with an arc length of 214.38 feet, with a radius of 500.00 feet, with a chord bearing of North 16 degrees 37

This attachment provides additional information regarding this request. If you have any questions about this attachment, please contact the FEMA Map Assistance Center toll free at (877) 336-2627 (877-FEMA MAP) or by letter addressed to the Federal Emergency Management Agency, 3601 Eisenhower Avenue, Suite 130, Alexandria, VA 22304-6439.

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ATTACHMENT 1 (ADDITIONAL CONSIDERATIONS)

LEGAL PROPERTY DESCRIPTION (CONTINUED)

minutes 31 seconds West, with a chord length of 212.74 feet
4. North 04 degrees 20 minutes 32 seconds West a distance of 135.18 feet
5. a curve turning to the right with an arc length of 131.41 feet, with a radius of 185.09 feet, with a chord bearing of North 15 degrees 59 minutes 53 seconds East, with a chord length of 128.67 feet
6. a curve turning to the right with an arc length of 152.33 feet, with a radius of 231.61 feet, with a chord bearing of North 55 degrees 10 minutes 46 seconds East, with a chord length of 149.60 feet
7. North 73 degrees 35 minutes 20 seconds East a distance of 113.96 feet
8. North 61 degrees 05 minutes 11 seconds East a distance of 53.15 feet
9. a curve turning to the left with an arc length of 15.32 feet, with a radius of 33.34 feet, with a chord bearing of North 47 degrees 55 minutes 16 seconds East, with a chord length of 15.19 feet
10. a curve turning to the right with an arc length of 8.95 feet, with a radius of 9.58 feet, with a chord bearing of North 61 degrees 31 minutes 49 seconds East, with a chord length of 8.63 feet
11. South 88 degrees 11 minutes 01 seconds East a distance of 13.67 feet
12. North 84 degrees 27 minutes 43 seconds East a distance of 10.11 feet
13. a curve turning to the right with an arc length of 9.70 feet, with a radius of 10.00 feet, with a chord bearing of South 67 degrees 44 minutes 52 seconds East, with a chord length of 9.32 feet
14. a curve turning to the right with an arc length of 165.39 feet, with a radius of 338.55 feet, with a chord bearing of South 25 degrees 57 minutes 45 seconds East, with a chord length of 163.75 feet
15. a curve turning to the right with an arc length of 83.32 feet, with a radius of 70.97 feet, with a chord bearing of South 21 degrees 45 minutes 13 seconds West, with a chord length of 78.62 feet
16. a curve turning to the left with an arc length of 137.91 feet, with a radius of 171.50 feet, with a chord bearing of South 41 degrees 25 minutes 33 seconds West, with a chord length of 134.22 feet
17. South 18 degrees 23 minutes 21 seconds West a distance of 89.93 feet
18. South 03 degrees 05 minutes 52 seconds West a distance of 48.03 feet
19. a curve turning to the left with an arc length of 0.16 feet, with a radius of 256.57 feet, with a chord bearing of South 03 degrees 04 minutes 47 seconds West, with a chord length of 0.16 feet
20. a curve turning to the left with an arc length of 52.91 feet, with a radius of 121.50 feet, with a chord bearing of South 85 degrees 49 minutes 48 seconds West, with a chord length of 52.49 feet
21. a curve turning to the left with an arc length of 109.90 feet, with a radius of 289.17 feet, with a chord bearing of South 62 degrees 27 minutes 59 seconds West, with a chord length of 109.24 feet
22. a curve turning to the left with an arc length of 46.75 feet, with a radius of 19.70 feet, with a chord bearing of South 18 degrees 11 minutes 24 seconds East, with a chord length of 36.53 feet

Containing an area of 156461 square feet, 3.59 acres

1. North 33 degrees 02 minutes 00 seconds East a distance of 21.39 feet
2. a curve turning to the right with an arc length of 88.16 feet, with a radius of 122.57 feet, with a chord bearing of North 53 degrees 38 minutes 15 seconds East, with a chord length of 86.27 feet
3. with a curve turning to the left with an arc length of 199.39 feet, with a radius of 202.73 feet, with a chord bearing of North 46 degrees 03 minutes 59 seconds East, with a chord length of 191.45 feet
4. North 20 degrees 10 minutes 43 seconds East a distance of 56.78 feet
5. a curve turning to the right with an arc length of 112.28 feet, with a radius of 125.94 feet, with a chord bearing of North 45 degrees 43 minutes 14 seconds East, with a chord length of 108.60 feet
6. a curve turning to the right with an arc length of 78.09 feet, with a radius of 885.87 feet, with a chord bearing of North 73 degrees 47 minutes 16 seconds East, with a chord length of 78.07 feet
7. a curve turning to the right with an arc length of 65.20 feet, with a radius of 165.12 feet, with a chord bearing of North 87 degrees 37 minutes 32 seconds East, with a chord length of 64.78 feet
8. South 71 degrees 09 minutes 57 seconds East a distance of 72.25 feet

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ATTACHMENT 1 (ADDITIONAL CONSIDERATIONS)

LEGAL PROPERTY DESCRIPTION (CONTINUED)

9. South 61 degrees 20 minutes 41 seconds East a distance of 166.33 feet
10. a curve turning to the right with an arc length of 23.80 feet, with a radius of 15.13 feet, with a chord bearing of South 16 degrees 16 minutes 09 seconds East, with a chord length of 21.42 feet
11. South 07 degrees 07 minutes 47 seconds West a distance of 13.27 feet
12. a curve turning to the left with an arc length of 34.21 feet, with a radius of 37.88 feet, with a chord bearing of South 18 degrees 44 minutes 47 seconds East, with a chord length of 33.06 feet
13. South 55 degrees 07 minutes 57 seconds East a distance of 66.90 feet
14. North 84 degrees 18 minutes 51 seconds West a distance of 54.16 feet; thence with a curve turning to the right with an arc length of 74.58 feet, with a radius of 99.91 feet, with a chord bearing of North 62 degrees 55 minutes 40 seconds West, with a chord length of 72.86 feet
15. a curve turning to the left with an arc length of 73.66 feet, with a radius of 372.90 feet, with a chord bearing of North 47 degrees 12 minutes 01 seconds West, with a chord length of 73.54 feet
16. North 67 degrees 35 minutes 14 seconds West a distance of 102.35 feet
17. a curve turning to the left with an arc length of 145.35 feet, with a radius of 146.21 feet, with a chord bearing of South 74 degrees 03 minutes 10 seconds West, with a chord length of 139.44 feet
18. South 35 degrees 26 minutes 16 seconds West a distance of 87.07 feet
19. South 55 degrees 37 minutes 53 seconds West a distance of 44.70 feet
20. a curve turning to the left with an arc length of 110.06 feet, with a radius of 476.75 feet, with a chord bearing of South 49 degrees 01 minutes 04 seconds West, with a chord length of 109.82 feet
21. a curve turning to the right with an arc length of 188.47 feet, with a radius of 216.02 feet, with a chord bearing of South 67 degrees 23 minutes 54 seconds West, with a chord length of 182.55 feet

Containing an area of 55252 square feet, 1.27 acres

1. North 12 degrees 02 minutes 14 seconds West a distance of 39.96 feet
2. a curve turning to the right with an arc length of 23.85 feet, with a radius of 113.31 feet, with a chord bearing of North 06 degrees 00 minutes 31 seconds West, with a chord length of 23.80 feet
3. a curve turning to the right with an arc length of 30.21 feet, with a radius of 15.91 feet, with a chord bearing of North 54 degrees 25 minutes 36 seconds East, with a chord length of 25.87 feet
4. South 82 degrees 01 minutes 02 seconds East a distance of 19.88 feet
5. South 62 degrees 54 minutes 26 seconds East a distance of 51.79 feet
6. a curve turning to the left with an arc length of 23.59 feet, with a radius of 62.63 feet, with a chord bearing of South 73 degrees 41 minutes 47 seconds East, with a chord length of 23.45 feet
7. South 81 degrees 19 minutes 57 seconds East a distance of 32.76 feet
8. a curve turning to the left with an arc length of 11.27 feet, with a radius of 27.62 feet, with a chord bearing of North 86 degrees 58 minutes 44 seconds East, with a chord length of 11.19 feet
9. a curve turning to the right with an arc length of 25.24 feet, with a radius of 17.57 feet, with a chord bearing of South 63 degrees 33 minutes 05 seconds East, with a chord length of 23.13 feet
10. a curve turning to the left with an arc length of 17.77 feet, with a radius of 16.55 feet, with a chord bearing of South 53 degrees 08 minutes 23 seconds East, with a chord length of 16.92 feet
11. a curve turning to the right with an arc length of 20.75 feet, with a radius of 26.68 feet, with a chord bearing of South 61 degrees 36 minutes 38 seconds East, with a chord length of 20.23 feet
12. South 45 degrees 41 minutes 55 seconds East a distance of 13.96 feet
13. South 88 degrees 20 minutes 55 seconds West a distance of 100.26 feet
14. a curve turning to the right with an arc length of 10.31 feet, with a radius of 3.69 feet, with a chord bearing of North 11 degrees 36 minutes 13 seconds West, with a chord length of 7.27 feet
15. a curve turning to the left with an arc length of 6.57 feet, with a radius of 2.59 feet, with a chord bearing of North 04 degrees 14 minutes 29 seconds West, with a chord length of 4.94 feet

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ATTACHMENT 1 (ADDITIONAL CONSIDERATIONS)

LEGAL PROPERTY DESCRIPTION (CONTINUED)

16. South 83 degrees 05 minutes 11 seconds West a distance of 65.50 feet
17. a curve turning to the right with an arc length of 37.14 feet, with a radius of 275.35 feet, with a chord bearing of South 86 degrees 57 minutes 01 seconds West, with a chord length of 37.11 feet

Containing an area of 9769 square feet, 0.22 acres

PORTIONS OF THE PROPERTY REMAIN IN THE FLOODWAY (This Additional Consideration applies to the preceding 1 Property.)

A portion of this property is located within the Special Flood Hazard Area and the National Flood Insurance Program (NFIP) regulatory floodway for the flooding source indicated on the Determination/Comment Document while the subject of this determination is not. The NFIP regulatory floodway is the area that must remain unobstructed in order to prevent unacceptable increases in base flood elevations. Therefore, no construction may take place in an NFIP regulatory floodway that may cause an increase in the base flood elevation, and any future construction or substantial improvement on the property remains subject to Federal, State/Commonwealth, and local regulations for floodplain management. The NFIP regulatory floodway is provided to the community as a tool to regulate floodplain development. Modifications to the NFIP regulatory floodway must be accepted by both the Federal Emergency Management Agency (FEMA) and the community involved. Appropriate community actions are defined in Paragraph 60.3(d) of the NFIP regulations. Any proposed revision to the NFIP regulatory floodway must be submitted to FEMA by community officials. The community should contact either the Regional Director (for those communities in Regions I-IV, and VI-X), or the Regional Engineer (for those communities in Region V) for guidance on the data which must be submitted for a revision to the NFIP regulatory floodway. Contact information for each regional office can be obtained by calling the FEMA Map Assistance Center toll free at (877) 336-2627 (877-FEMA MAP) or from our web site at http://www.fema.gov/about/regoff.htm.

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LETTER OF MAP REVISION BASED ON FILL DETERMINATION DOCUMENT (OUT AS SHOWN)

COMMUNITY AND MAP PANEL INFORMATION		LEGAL PROPERTY DESCRIPTION
COMMUNITY	BOROUGH OF JONESTOWN, LEBANON COUNTY, PENNSYLVANIA	Lots S65 through S75, S78 through S81, G113 through G116, G196, T197, T198, T121, T129, and a portion of S100, The Villages of Twin Creeks, as shown on the Plat recorded in Book 56, Pages 185 though 192, in the Office of the Recorder, Lebanon County, Pennsylvania
	COMMUNITY NO.: 420572	
AFFECTED MAP PANEL	NUMBER: 4205720001B	The portion of property to be removed from the SFHA is more particularly described by the following metes and bounds:
	NAME: BOROUGH OF JONESTOWN, LEBANON COUNTY, PENNSYLVANIA	
	DATE: 12/4/1979	
FLOODING SOURCE: SWATARA CREEK, LITTLE SWATARA CREEK		APPROXIMATE LATITUDE & LONGITUDE OF PROPERTY: 40.407, -76.483 SOURCE OF LAT & LONG: PRECISON MAPPING STREETS 7.0 DATUM: NAD 83

DETERMINATION

LOT	BLOCK/ SECTION	SUBDIVISION	STREET	OUTCOME WHAT IS OUTSIDE OF THE SFHA	FLOOD ZONE	1% ANNUAL CHANCE FLOOD ELEVATION (NGVD 29)	LOWEST ADJACENT GRADE ELEVATION (NGVD 29)	LOWEST LOT ELEVATION (NGVD 29)
S65 - S75	—	The Villages of Twin Creeks	—	Property	B	—	—	—

Special Flood Hazard Area (SFHA) - The SFHA is an area that would be inundated by the flood having a 1-percent chance of being equaled or exceeded in any given year (base flood).

ADDITIONAL CONSIDERATIONS (Please refer to the appropriate section on Attachment 1 for the additional considerations listed below.)

LEGAL PROPERTY DESCRIPTION
DETERMINATION TABLE (CONTINUED)

This document provides the Federal Emergency Management Agency's determination regarding a request for a Letter of Map Revision based on Fill for the property described above. Using the information submitted and the effective National Flood Insurance Program (NFIP) map, we have determined that based on existing natural ground elevations prior to the placement of fill the property(ies) would be inundated by the flood having a 1-percent chance of being equaled or exceeded in any given year (base flood), even though the property(ies) is/are shown outside the SFHA on the effective NFIP map. We have further determined that, as a result of fill placement on the property, the property(ies) would not be inundated by the base flood and is/are correctly shown outside the SFHA located on the effective NFIP map; therefore, the Federal mandatory flood insurance requirement does not apply. If the policy has been written using an incorrect zone, it can be endorsed to correct the zone for the current policy year and one prior policy term. Please contact the insurance agent or company involved to request endorsement of the policy. However, the lender has the option to continue the flood insurance requirement to protect its financial risk on the loan. A Preferred Risk Policy (PRP) is available for buildings located outside the SFHA. Information about the PRP and how one can apply is enclosed.

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 Assistance Center toll free at (877) 336-2627 (877-FEMA MAP) or by letter addressed to the Federal Emergency Management Agency, 3601 Eisenhower Avenue, Suite 130, Alexandria, VA 22304-6439.

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ATTACHMENT 1 (ADDITIONAL CONSIDERATIONS)

LEGAL PROPERTY DESCRIPTION (CONTINUED)

1. a curve turning to the left with an arc length of 37.78 feet, with a radius of 80.45 feet, with a chord bearing of South 89 degrees 19 minutes 10 seconds East, with a chord length of 37.43 feet
2. a curve turning to the left with an arc length of 68.65 feet, with a radius of 193.77 feet, with a chord bearing of North 67 degrees 04 minutes 45 seconds East, with a chord length of 68.29 feet
3. a curve turning to the left with an arc length of 29.73 feet, with a radius of 256.57 feet, with a chord bearing of South 17 degrees 06 minutes 53 seconds East, with a chord length of 29.71 feet
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8. South 89 degrees 39 minutes 01 seconds East a distance of 36.95 feet
9. a curve turning to the right with an arc length of 19.16 feet, with a radius of 31.35 feet, with a chord bearing of South 72 degrees 08 minutes 40 seconds East, with a chord length of 18.86 feet
10. a curve turning to the right with an arc length of 125.22 feet, with a radius of 566.03 feet, with a chord bearing of South 48 degrees 18 minutes 04 seconds East, with a chord length of 124.96 feet
11. South 37 degrees 12 minutes 21 seconds East a distance of 91.06 feet
12. a curve turning to the right with an arc length of 25.59 feet, with a radius of 44.48 feet, with a chord bearing of South 13 degrees 24 minutes 34 seconds East, with a chord length of 25.24 feet
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23. a curve turning to the right with an arc length of 95.48 feet, with a radius of 500.00 feet, with a chord bearing of North 36 degrees 40 minutes 56 seconds West, with a chord length of 95.34 feet
24. North 49 degrees 06 minutes 11 seconds East a distance of 107.81 feet
25. North 25 degrees 39 minutes 33 seconds East a distance of 16.29 feet
26. South 75 degrees 52 minutes 04 seconds East a distance of 25.86 feet;

Containing an area of 178885 square feet, 4.11 acres

1. South 25 degrees 39 minutes 33 seconds West a distance of 7.72 feet
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3. a curve turning to the right with an arc length of 214.38 feet, with a radius of 500.00 feet, with a chord bearing of North 16 degrees 37

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LEGAL PROPERTY DESCRIPTION (CONTINUED)

minutes 31 seconds West, with a chord length of 212.74 feet
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17. South 18 degrees 23 minutes 21 seconds West a distance of 89.93 feet
18. South 03 degrees 05 minutes 52 seconds West a distance of 48.03 feet
19. a curve turning to the left with an arc length of 0.16 feet, with a radius of 256.57 feet, with a chord bearing of South 03 degrees 04 minutes 47 seconds West, with a chord length of 0.16 feet
20. a curve turning to the left with an arc length of 52.91 feet, with a radius of 121.50 feet, with a chord bearing of South 85 degrees 49 minutes 48 seconds West, with a chord length of 52.49 feet
21. a curve turning to the left with an arc length of 109.90 feet, with a radius of 289.17 feet, with a chord bearing of South 62 degrees 27 minutes 59 seconds West, with a chord length of 109.24 feet
22. a curve turning to the left with an arc length of 46.75 feet, with a radius of 19.70 feet, with a chord bearing of South 18 degrees 11 minutes 24 seconds East, with a chord length of 36.53 feet

Containing an area of 156461 square feet, 3.59 acres

1. North 33 degrees 02 minutes 00 seconds East a distance of 21.39 feet
2. a curve turning to the right with an arc length of 88.16 feet, with a radius of 122.57 feet, with a chord bearing of North 53 degrees 38 minutes 15 seconds East, with a chord length of 86.27 feet
3. with a curve turning to the left with an arc length of 199.39 feet, with a radius of 202.73 feet, with a chord bearing of North 46 degrees 03 minutes 59 seconds East, with a chord length of 191.45 feet
4. North 20 degrees 10 minutes 43 seconds East a distance of 56.78 feet
5. a curve turning to the right with an arc length of 112.28 feet, with a radius of 125.94 feet, with a chord bearing of North 45 degrees 43 minutes 14 seconds East, with a chord length of 108.60 feet
6. a curve turning to the right with an arc length of 78.09 feet, with a radius of 885.87 feet, with a chord bearing of North 73 degrees 47 minutes 16 seconds East, with a chord length of 78.07 feet
7. a curve turning to the right with an arc length of 65.20 feet, with a radius of 165.12 feet, with a chord bearing of North 87 degrees 37 minutes 32 seconds East, with a chord length of 64.78 feet
8. South 71 degrees 09 minutes 57 seconds East a distance of 72.25 feet

This attachment provides additional information regarding this request. If you have any questions about this attachment, please contact the FEMA Map Assistance Center toll free at (877) 336-2627 (877-FEMA MAP) or by letter addressed to the Federal Emergency Management Agency, 3601 Eisenhower Avenue, Suite 130, Alexandria, VA 22304-6439.

Doug Bellomo, P.E., Chief
Hazard Identification Section, Mitigation Division
Emergency Preparedness and Response Directorate

Federal Emergency Management Agency
Washington, D.C. 20472

LETTER OF MAP REVISION BASED ON FILL DETERMINATION DOCUMENT (OUT AS SHOWN)

ATTACHMENT 1 (ADDITIONAL CONSIDERATIONS)

LEGAL PROPERTY DESCRIPTION (CONTINUED)

9. South 61 degrees 20 minutes 41 seconds East a distance of 166.33 feet
10. a curve turning to the right with an arc length of 23.80 feet, with a radius of 15.13 feet, with a chord bearing of South 16 degrees 16 minutes 09 seconds East, with a chord length of 21.42 feet
11. South 07 degrees 07 minutes 47 seconds West a distance of 13.27 feet
12. a curve turning to the left with an arc length of 34.21 feet, with a radius of 37.88 feet, with a chord bearing of South 18 degrees 44 minutes 47 seconds East, with a chord length of 33.06 feet
13. South 55 degrees 07 minutes 57 seconds East a distance of 66.90 feet
14. North 84 degrees 18 minutes 51 seconds West a distance of 54.16 feet; thence with a curve turning to the right with an arc length of 74.58 feet, with a radius of 99.91 feet, with a chord bearing of North 62 degrees 55 minutes 40 seconds West, with a chord length of 72.86 feet
15. a curve turning to the left with an arc length of 73.66 feet, with a radius of 372.90 feet, with a chord bearing of North 47 degrees 12 minutes 01 seconds West, with a chord length of 73.54 feet
16. North 67 degrees 35 minutes 14 seconds West a distance of 102.35 feet
17. a curve turning to the left with an arc length of 145.35 feet, with a radius of 146.21 feet, with a chord bearing of South 74 degrees 03 minutes 10 seconds West, with a chord length of 139.44 feet
18. South 35 degrees 26 minutes 16 seconds West a distance of 87.07 feet
19. South 55 degrees 37 minutes 53 seconds West a distance of 44.70 feet
20. a curve turning to the left with an arc length of 110.06 feet, with a radius of 476.75 feet, with a chord bearing of South 49 degrees 01 minutes 04 seconds West, with a chord length of 109.82 feet
21. a curve turning to the right with an arc length of 188.47 feet, with a radius of 216.02 feet, with a chord bearing of South 67 degrees 23 minutes 54 seconds West, with a chord length of 182.55 feet

Containing an area of 55252 square feet, 1.27 acres

1. North 12 degrees 02 minutes 14 seconds West a distance of 39.96 feet
2. a curve turning to the right with an arc length of 23.85 feet, with a radius of 113.31 feet, with a chord bearing of North 06 degrees 00 minutes 31 seconds West, with a chord length of 23.80 feet
3. a curve turning to the right with an arc length of 30.21 feet, with a radius of 15.91 feet, with a chord bearing of North 54 degrees 25 minutes 36 seconds East, with a chord length of 25.87 feet
4. South 82 degrees 01 minutes 02 seconds East a distance of 19.88 feet
5. South 62 degrees 54 minutes 26 seconds East a distance of 51.79 feet
6. a curve turning to the left with an arc length of 23.59 feet, with a radius of 62.63 feet, with a chord bearing of South 73 degrees 41 minutes 47 seconds East, with a chord length of 23.45 feet
7. South 81 degrees 19 minutes 57 seconds East a distance of 32.76 feet
8. a curve turning to the left with an arc length of 11.27 feet, with a radius of 27.62 feet, with a chord bearing of North 86 degrees 58 minutes 44 seconds East, with a chord length of 11.19 feet
9. a curve turning to the right with an arc length of 25.24 feet, with a radius of 17.57 feet, with a chord bearing of South 63 degrees 33 minutes 05 seconds East, with a chord length of 23.13 feet
10. a curve turning to the left with an arc length of 17.77 feet, with a radius of 16.55 feet, with a chord bearing of South 53 degrees 08 minutes 23 seconds East, with a chord length of 16.92 feet
11. a curve turning to the right with an arc length of 20.75 feet, with a radius of 26.68 feet, with a chord bearing of South 61 degrees 36 minutes 38 seconds East, with a chord length of 20.23 feet
12. South 45 degrees 41 minutes 55 seconds East a distance of 13.96 feet
13. South 88 degrees 20 minutes 55 seconds West a distance of 100.26 feet
14. a curve turning to the right with an arc length of 10.31 feet, with a radius of 3.69 feet, with a chord bearing of North 11 degrees 36 minutes 13 seconds West, with a chord length of 7.27 feet
15. a curve turning to the left with an arc length of 6.57 feet, with a radius of 2.59 feet, with a chord bearing of North 04 degrees 14 minutes 29 seconds West, with a chord length of 4.94 feet

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LETTER OF MAP REVISION BASED ON FILL DETERMINATION DOCUMENT (OUT AS SHOWN)

ATTACHMENT 1 (ADDITIONAL CONSIDERATIONS)

LEGAL PROPERTY DESCRIPTION (CONTINUED)

16. South 83 degrees 05 minutes 11 seconds West a distance of 65.50 feet
17. a curve turning to the right with an arc length of 37.14 feet, with a radius of 275.35 feet, with a chord bearing of South 86 degrees 57 minutes 01 seconds West, with a chord length of 37.11 feet

Containing an area of 9769 square feet, 0.22 acres

DETERMINATION TABLE (CONTINUED)

LOT	BLOCK/ SECTION	SUBDIVISION	STREET	OUTCOME WHAT IS OUTSIDE OF THE SFHA	FLOOD ZONE	1% ANNUAL CHANCE FLOOD ELEVATION (NGVD 29)	LOWEST ADJACENT GRADE ELEVATION (NGVD 29)	LOWEST LOT ELEVATION (NGVD 29)
S113	—	The Villages of Twin Creeks	—	Property	B	—	—	—
G113 - G116	—	The Villages of Twin Creeks	—	Property	B	—	—	—
G196	—	The Villages of Twin Creeks	—	Property	B	—	—	—
T197 & T198	—	The Villages of Twin Creeks	—	Property	B	—	—	—
T121	—	The Villages of Twin Creeks	—	Property	B	—	—	—
T129	—	The Villages of Twin Creeks	—	Property	B	—	—	—

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LETTER OF MAP REVISION BASED ON FILL DETERMINATION DOCUMENT (REMOVAL)

COMMUNITY AND MAP PANEL INFORMATION		LEGAL PROPERTY DESCRIPTION
COMMUNITY	BOROUGH OF JONESTOWN, LEBANON COUNTY, PENNSYLVANIA	Lots S65 through S75, S78 through S81, G113 through G116, G196, T197, T198, T121, T129, and a portion of S100, The Villages of Twin Creeks, as shown on the Plat recorded in Book 56, Pages 185 though 192, in the Office of the Recorder, Lebanon County, Pennsylvania
	COMMUNITY NO.: 420572	
AFFECTED MAP PANEL	NUMBER: 4205720001B	The portion of property to be removed from the SFHA is more particularly described by the following metes and bounds:
	NAME: BOROUGH OF JONESTOWN, LEBANON COUNTY, PENNSYLVANIA	
	DATE: 12/4/1979	
FLOODING SOURCE: SWATARA CREEK, LITTLE SWATARA CREEK		APPROXIMATE LATITUDE & LONGITUDE OF PROPERTY: 40.407, -76.483 SOURCE OF LAT & LONG: PRECISON MAPPING STREETS 7.0 DATUM: NAD 83

DETERMINATION

LOT	BLOCK/ SECTION	SUBDIVISION	STREET	OUTCOME WHAT IS REMOVED FROM THE SFHA	FLOOD ZONE	1% ANNUAL CHANCE FLOOD ELEVATION (NGVD 29)	LOWEST ADJACENT GRADE ELEVATION (NGVD 29)	LOWEST LOT ELEVATION (NGVD 29)
S78 -781	—	The Villages of Twin Creeks	—	Property	B	411.0 feet	—	411.0 feet

Special Flood Hazard Area (SFHA) - The SFHA is an area that would be inundated by the flood having a 1-percent chance of being equaled or exceeded in any given year (base flood).

ADDITIONAL CONSIDERATIONS (Please refer to the appropriate section on Attachment 1 for the additional considerations listed below.)

LEGAL PROPERTY DESCRIPTION

This document provides the Federal Emergency Management Agency's determination regarding a request for a Letter of Map Revision based on Fill for the property described above. Using the information submitted and the effective National Flood Insurance Program (NFIP) map, we have determined that the property(ies) is/are not located in the SFHA, an area inundated by the flood having a 1-percent chance of being equaled or exceeded in any given year (base flood). This document revises the effective NFIP map to remove the subject property from the SFHA located on the effective NFIP map; therefore, the Federal mandatory flood insurance requirement does not apply. However, the lender has the option to continue the flood insurance requirement to protect its financial risk on the loan. A Preferred Risk Policy (PRP) is available for buildings located outside the SFHA. Information about the PRP and how one can apply is enclosed.

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 Assistance Center toll free at (877) 336-2627 (877-FEMA MAP) or by letter addressed to the Federal Emergency Management Agency, 3601 Eisenhower Avenue, Suite 130, Alexandria, VA 22304-6439.

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LETTER OF MAP REVISION BASED ON FILL DETERMINATION DOCUMENT (REMOVAL)

ATTACHMENT 1 (ADDITIONAL CONSIDERATIONS)

LEGAL PROPERTY DESCRIPTION (CONTINUED)

1. a curve turning to the left with an arc length of 37.78 feet, with a radius of 80.45 feet, with a chord bearing of South 89 degrees 19 minutes 10 seconds East, with a chord length of 37.43 feet
2. a curve turning to the left with an arc length of 68.65 feet, with a radius of 193.77 feet, with a chord bearing of North 67 degrees 04 minutes 45 seconds East, with a chord length of 68.29 feet
3. a curve turning to the left with an arc length of 29.73 feet, with a radius of 256.57 feet, with a chord bearing of South 17 degrees 06 minutes 53 seconds East, with a chord length of 29.71 feet
4. a curve turning to the left with an arc length of 29.61 feet, with a radius of 465.67 feet, with a chord bearing of South 22 degrees 15 minutes 21 seconds East, with a chord length of 29.60 feet
5. a curve turning to the left with an arc length of 41.41 feet, with a radius of 127.43 feet, with a chord bearing of South 33 degrees 23 minutes 13 seconds East, with a chord length of 41.23 feet
6. with a curve turning to the left with an arc length of 31.58 feet, with a radius of 31.75 feet, with a chord bearing of South 71 degrees 11 minutes 40 seconds East, with a chord length of 30.30 feet
7. North 84 degrees 33 minutes 48 seconds East a distance of 46.32 feet
8. South 89 degrees 39 minutes 01 seconds East a distance of 36.95 feet
9. a curve turning to the right with an arc length of 19.16 feet, with a radius of 31.35 feet, with a chord bearing of South 72 degrees 08 minutes 40 seconds East, with a chord length of 18.86 feet
10. a curve turning to the right with an arc length of 125.22 feet, with a radius of 566.03 feet, with a chord bearing of South 48 degrees 18 minutes 04 seconds East, with a chord length of 124.96 feet
11. South 37 degrees 12 minutes 21 seconds East a distance of 91.06 feet
12. a curve turning to the right with an arc length of 25.59 feet, with a radius of 44.48 feet, with a chord bearing of South 13 degrees 24 minutes 34 seconds East, with a chord length of 25.24 feet
13. thence with a curve turning to the left with an arc length of 27.90 feet, with a radius of 78.70 feet, with a chord bearing of South 06 degrees 37 minutes 43 seconds East, with a chord length of 27.75 feet
14. South 14 degrees 11 minutes 15 seconds East a distance of 123.18 feet
15. a curve turning to the right with an arc length of 59.38 feet, with a radius of 96.96 feet, with a chord bearing of South 03 degrees 21 minutes 19 seconds West, with a chord length of 58.45 feet
16. a curve turning to the left with an arc length of 53.22 feet, with a radius of 789.55 feet, with a chord bearing of South 18 degrees 14 minutes 30 seconds West, with a chord length of 53.21 feet
17. a curve turning to the left with an arc length of 7.38 feet, with a radius of 7.16 feet, with a chord bearing of South 12 degrees 45 minutes 36 seconds East, with a chord length of 7.06 feet
18. South 43 degrees 03 minutes 14 seconds East a distance of 87.43 feet
19. South 07 degrees 30 minutes 11 seconds West a distance of 35.96 feet
20. North 70 degrees 42 minutes 14 seconds West a distance of 183.50 feet
21. a curve turning to the right with an arc length of 49.83 feet, with a radius of 100.00 feet, with a chord bearing of North 56 degrees 25 minutes 43 seconds West, with a chord length of 49.32 feet
22. North 42 degrees 09 minutes 11 seconds West a distance of 505.33 feet
23. a curve turning to the right with an arc length of 95.48 feet, with a radius of 500.00 feet, with a chord bearing of North 36 degrees 40 minutes 56 seconds West, with a chord length of 95.34 feet
24. North 49 degrees 06 minutes 11 seconds East a distance of 107.81 feet
25. North 25 degrees 39 minutes 33 seconds East a distance of 16.29 feet
26. South 75 degrees 52 minutes 04 seconds East a distance of 25.86 feet;

Containing an area of 178885 square feet, 4.11 acres

1. South 25 degrees 39 minutes 33 seconds West a distance of 7.72 feet
2. South 48 degrees 41 minutes 56 seconds West a distance of 100.93 feet
3. a curve turning to the right with an arc length of 214.38 feet, with a radius of 500.00 feet, with a chord bearing of North 16 degrees 37

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ATTACHMENT 1 (ADDITIONAL CONSIDERATIONS)

LEGAL PROPERTY DESCRIPTION (CONTINUED)

minutes 31 seconds West, with a chord length of 212.74 feet
4. North 04 degrees 20 minutes 32 seconds West a distance of 135.18 feet
5. a curve turning to the right with an arc length of 131.41 feet, with a radius of 185.09 feet, with a chord bearing of North 15 degrees 59 minutes 53 seconds East, with a chord length of 128.67 feet
6. a curve turning to the right with an arc length of 152.33 feet, with a radius of 231.61 feet, with a chord bearing of North 55 degrees 10 minutes 46 seconds East, with a chord length of 149.60 feet
7. North 73 degrees 35 minutes 20 seconds East a distance of 113.96 feet
8. North 61 degrees 05 minutes 11 seconds East a distance of 53.15 feet
9. a curve turning to the left with an arc length of 15.32 feet, with a radius of 33.34 feet, with a chord bearing of North 47 degrees 55 minutes 16 seconds East, with a chord length of 15.19 feet
10. a curve turning to the right with an arc length of 8.95 feet, with a radius of 9.58 feet, with a chord bearing of North 61 degrees 31 minutes 49 seconds East, with a chord length of 8.63 feet
11. South 88 degrees 11 minutes 01 seconds East a distance of 13.67 feet
12. North 84 degrees 27 minutes 43 seconds East a distance of 10.11 feet
13. a curve turning to the right with an arc length of 9.70 feet, with a radius of 10.00 feet, with a chord bearing of South 67 degrees 44 minutes 52 seconds East, with a chord length of 9.32 feet
14. a curve turning to the right with an arc length of 165.39 feet, with a radius of 338.55 feet, with a chord bearing of South 25 degrees 57 minutes 45 seconds East, with a chord length of 163.75 feet
15. a curve turning to the right with an arc length of 83.32 feet, with a radius of 70.97 feet, with a chord bearing of South 21 degrees 45 minutes 13 seconds West, with a chord length of 78.62 feet
16. a curve turning to the left with an arc length of 137.91 feet, with a radius of 171.50 feet, with a chord bearing of South 41 degrees 25 minutes 33 seconds West, with a chord length of 134.22 feet
17. South 18 degrees 23 minutes 21 seconds West a distance of 89.93 feet
18. South 03 degrees 05 minutes 52 seconds West a distance of 48.03 feet
19. a curve turning to the left with an arc length of 0.16 feet, with a radius of 256.57 feet, with a chord bearing of South 03 degrees 04 minutes 47 seconds West, with a chord length of 0.16 feet
20. a curve turning to the left with an arc length of 52.91 feet, with a radius of 121.50 feet, with a chord bearing of South 85 degrees 49 minutes 48 seconds West, with a chord length of 52.49 feet
21. a curve turning to the left with an arc length of 109.90 feet, with a radius of 289.17 feet, with a chord bearing of South 62 degrees 27 minutes 59 seconds West, with a chord length of 109.24 feet
22. a curve turning to the left with an arc length of 46.75 feet, with a radius of 19.70 feet, with a chord bearing of South 18 degrees 11 minutes 24 seconds East, with a chord length of 36.53 feet

Containing an area of 156461 square feet, 3.59 acres

1. North 33 degrees 02 minutes 00 seconds East a distance of 21.39 feet
2. a curve turning to the right with an arc length of 88.16 feet, with a radius of 122.57 feet, with a chord bearing of North 53 degrees 38 minutes 15 seconds East, with a chord length of 86.27 feet
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ATTACHMENT 1 (ADDITIONAL CONSIDERATIONS)

LEGAL PROPERTY DESCRIPTION (CONTINUED)

9. South 61 degrees 20 minutes 41 seconds East a distance of 166.33 feet
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14. North 84 degrees 18 minutes 51 seconds West a distance of 54.16 feet; thence with a curve turning to the right with an arc length of 74.58 feet, with a radius of 99.91 feet, with a chord bearing of North 62 degrees 55 minutes 40 seconds West, with a chord length of 72.86 feet
15. a curve turning to the left with an arc length of 73.66 feet, with a radius of 372.90 feet, with a chord bearing of North 47 degrees 12 minutes 01 seconds West, with a chord length of 73.54 feet
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21. a curve turning to the right with an arc length of 188.47 feet, with a radius of 216.02 feet, with a chord bearing of South 67 degrees 23 minutes 54 seconds West, with a chord length of 182.55 feet

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ATTACHMENT 1 (ADDITIONAL CONSIDERATIONS)

LEGAL PROPERTY DESCRIPTION (CONTINUED)

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