



# Federal Emergency Management Agency

Washington, D.C. 20472

## LETTER OF MAP AMENDMENT DETERMINATION DOCUMENT (REMOVAL)

| COMMUNITY AND MAP PANEL INFORMATION    |                                                   | LEGAL PROPERTY DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| COMMUNITY                              | COLLIER COUNTY, FLORIDA<br>(Unincorporated Areas) | A portion of Lots 1 through 4, 10, 11, 12, 17, 18, and 19, Block E, Quarry Phase 1, as shown on the Plat recorded in Plat Book 42, Pages 57 through 67; A portion of Lots 22 through 44, Block Q, Quarry Phase 2, as shown on the Plat recorded in Plat Book 45, Pages 48 through 57; A portion of Lots 1 through 4, 14 through 20, 48 through 55, 72 through 90, and 106 through 116, Quarry Phase 3, as shown on the Plat recorded in Plat Book 51, Pages 27 through 33; A portion of Lots 117 and 119, Quarry Phase 3, as shown on the Replat recorded in Plat Book 51, Pages 59 and 60; |
|                                        | COMMUNITY NO.: 120067                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| AFFECTED<br>MAP PANEL                  | NUMBER: 12021C0216H; 12021C0218H                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                        | DATE: 5/16/2012; 5/16/2012                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| FLOODING SOURCE: PONDING/OVERLAND FLOW |                                                   | APPROXIMATE LATITUDE & LONGITUDE OF PROPERTY: 26.289, -81.682<br>SOURCE OF LAT & LONG: GOOGLE EARTH PRO<br>DATUM: NAD 83                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

### DETERMINATION

| LOT   | BLOCK/<br>SECTION | SUBDIVISION    | STREET             | OUTCOME<br>WHAT IS<br>REMOVED FROM<br>THE SFHA | FLOOD<br>ZONE   | 1% ANNUAL<br>CHANCE<br>FLOOD<br>ELEVATION<br>(NAVD 88) | LOWEST<br>ADJACENT<br>GRADE<br>ELEVATION<br>(NAVD 88) | LOWEST<br>LOT<br>ELEVATION<br>(NAVD 88) |
|-------|-------------------|----------------|--------------------|------------------------------------------------|-----------------|--------------------------------------------------------|-------------------------------------------------------|-----------------------------------------|
| 17-19 | E                 | Quarry Phase 1 | Marble Stone Drive | Portion of<br>Property<br>(Parcel 7)           | X<br>(unshaded) | --                                                     | --                                                    | 14.5 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  
DETERMINATION TABLE (CONTINUED)  
PORTIONS REMAIN IN THE SFHA

This document provides the Federal Emergency Management Agency's determination regarding a request for a Letter of Map Amendment 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 amends 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, Engineering Library, 847 South Pickett Street, Alexandria, VA 22304-4605.

Luis Rodriguez, P.E., Chief  
Engineering Management Branch  
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### ATTACHMENT 1 (ADDITIONAL CONSIDERATIONS)

#### LEGAL PROPERTY DESCRIPTION (CONTINUED)

A portion of Lots 1 through 5, and 10 through 20, Quarry Phase 3A, as shown on the Plat recorded in Plat Book 50, Pages 79 and 80; all recorded in the Office of the Clerk of Circuit Court, Collier County, Florida

The portion of property is more particularly described by the following metes and bounds:

#### Parcel 1:

Commencing at the Northwest corner of Lot 116 of said Quarry Phase 3 according the Plat thereof as recorded in Plat Book 51 at Page 27, of the Public Records of Collier County, Florida thence run along the West boundary of said Lot 116, S.11°12'09"E. for 10.00 feet to the Point of Beginning; thence N.78°47'51"E., 28.78 feet to a point of curvature; thence Southeasterly, 476.08 feet along the arc of a curve to the right having a radius of 245.00 feet and a central angle of 111°20'07" (chord bearing S.45°32'05"E., 404.63 feet) to a point of tangency; thence S.10°07'58"W., 349.36 feet; thence N.01°58'31"W., 57.06 feet to a point on a curve; thence Northwesterly, 348.71 feet along the arc of a curve to the right having a radius of 245.83 feet and a central angle of 81°16'32" (chord bearing N.41°14'38"W., 320.20 feet) to a point of compound curvature; thence Northerly, 107.78 feet along the arc of a curve to the right having a radius of 414.17 feet and a central angle of 14°54'38" (chord bearing N.06°50'57"E., 107.48 feet) to a point of reverse curvature; thence Northerly, 233.75 feet along the arc of a curve to the left having a radius of 234.28 feet and a central angle of 57°10'04" (chord bearing N.14°16'46"W., 224.18 feet) to the POINT OF BEGINNING.

#### Parcel 2:

Commencing at the Northwest corner of Lot 90 of said Quarry Phase 3, thence run S.06°02'43"E. 6.00 feet along the West boundary of said Lot 90 to the Point of Beginning; thence N.78°47'51"E., 36.11 feet to a point on a curve; thence Southeasterly, 18.07 feet along the arc of a curve to the left having a radius of 23.90 feet and a central angle of 43°18'37" (chord bearing S.63°56'56"E., 17.64 feet) to a point of reverse curvature; thence Southerly, 120.38 feet along the arc of a curve to the right having a radius of 39.87 feet and a central angle of 172°58'21" (chord bearing S.00°52'56"W., 79.60 feet) to a point of reverse curvature; thence Westerly, 68.48 feet along the arc of a curve to the left having a radius of 180.12 feet and a central angle of 21°47'04" (chord bearing S.76°28'35"W., 68.07 feet) to a point of reverse curvature; thence Westerly, 140.61 feet along the arc of a curve to the right having a radius of 255.06 feet and a central angle of 31°35'10" (chord bearing S.81°22'38"W., 138.84 feet) to a point of reverse curvature; thence Westerly, 213.68 feet along the arc of a curve to the left having a radius of 1177.83 feet and a central angle of 10°23'39" (chord bearing N.88°01'37"W., 213.38 feet) to a point of reverse curvature; thence Westerly, 68.77 feet along the arc of a curve to the right having a radius of 374.04 feet and a central angle of 10°32'06" (chord bearing N.87°57'24"W., 68.68 feet) to a point of reverse curvature; thence Westerly, 62.42 feet along the arc of a curve to the left having a radius of 71.54 feet and a central angle of 49°59'30" (chord bearing S.72°18'54"W., 60.46 feet) to a point of compound curvature; thence Southerly, 40.61 feet along the arc of a curve to the left having a radius of 26.74 feet and a

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central angle of 87°00'12" (chord bearing S.03°49'03"W., 36.82 feet) to a point of reverse curvature; thence Southeasterly, 56.63 feet along the arc of a curve to the right having a radius of 2016.73 feet and a central angle of 01°36'32" (chord bearing S.38°52'47"E., 56.62 feet) to a point of reverse curvature; thence Easterly, 74.61 feet along the arc of a curve to the left having a radius of 30.89 feet and a central angle of 138°22'56" (chord bearing N.72°44'01"E., 57.76 feet) to a point of reverse curvature; thence Northeasterly, 25.83 feet along the arc of a curve to the right having a radius of 16.97 feet and a central angle of 87°12'38" (chord bearing N.47°08'52"E., 23.41 feet) to a point of compound curvature; thence Easterly, 31.98 feet along the arc of a curve to the right having a radius of 251.60 feet and a central angle of 07°16'59" (chord bearing S.85°36'19"E., 31.96 feet) to a point of compound curvature; thence Southerly, 30.33 feet along the arc of a curve to the right having a radius of 14.08 feet and a central angle of 123°26'35" (chord bearing S.20°14'32"E., 24.80 feet) to a point of reverse curvature; thence Southerly, 53.42 feet along the arc of a curve to the left having a radius of 27.56 feet and a central angle of 111°03'23" (chord bearing S.14°02'56"E., 45.44 feet) to a point of compound curvature; thence Easterly, 92.11 feet along the arc of a curve to the left having a radius of 360.21 feet and a central angle of 14°39'05" (chord bearing S.76°54'09"E., 91.86 feet) to a point of compound curvature; thence Easterly, 216.04 feet along the arc of a curve to the left having a radius of 1136.32 feet and a central angle of 10°53'35" (chord bearing S.89°40'29"E., 215.71 feet) to a point of reverse curvature; thence Easterly, 124.09 feet along the arc of a curve to the right having a radius of 3063.82 feet and a central angle of 02°19'14" (chord bearing N.86°02'21"E., 124.08 feet) to a point of compound curvature; thence Southeasterly, 14.43 feet along the arc of a curve to the right having a radius of 7.40 feet and a central angle of 111°48'34" (chord bearing S.36°53'46"E., 12.25 feet) to a point of compound curvature; thence Southwesterly, 20.79 feet along the arc of a curve to the right having a radius of 20.89 feet and a central angle of 57°00'55" (chord bearing S.47°30'59"W., 19.94 feet) to a point of compound curvature; thence Westerly, 107.73 feet along the arc of a curve to the right having a radius of 455.40 feet and a central angle of 13°33'13" (chord bearing S.82°48'02"W., 107.48 feet) to a point of reverse curvature; thence Southerly, 43.53 feet along the arc of a curve to the left having a radius of 13.93 feet and a central angle of 179°00'26" (chord bearing S.00°04'25"W., 27.87 feet) to a point of compound curvature; thence Easterly, 88.51 feet along the arc of a curve to the left having a radius of 2642.70 feet and a central angle of 01°55'08" (chord bearing N.89°36'38"E., 88.50 feet) to a point of reverse curvature; thence Easterly, 40.20 feet along the arc of a curve to the right having a radius of 74.91 feet and a central angle of 30°44'42" (chord bearing S.75°58'35"E., 39.72 feet) to a point of compound curvature; thence Southeasterly, 37.96 feet along the arc of a curve to the right having a radius of 62.30 feet and a central angle of 34°54'46" (chord bearing S.43°08'51"E., 37.38 feet) to a point of compound curvature; thence Southerly, 167.52 feet along the arc of a curve to the right having a radius of 138.30 feet and a central angle of 69°24'07" (chord bearing S.09°00'36"W., 157.47 feet) to a point of compound curvature; thence Southwesterly, 49.77 feet along the arc of a curve to the right having a radius of 78.64 feet and a central angle of 36°15'55" (chord bearing S.61°50'37"W., 48.95 feet) to a point of compound curvature; thence Westerly, 193.56 feet along the arc of a curve to the right having a radius of 579.69 feet and a central angle of 19°07'54" (chord bearing S.89°32'31"W., 192.67 feet) to a point of reverse curvature; thence Westerly, 77.46 feet along the arc of a curve to the left having a radius of 366.63 feet and a central angle

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of 12°06'22" (chord bearing N.86°56'43"W., 77.32 feet) to a point of reverse curvature; thence Westerly, 142.79 feet along the arc of a curve to the right having a radius of 513.68 feet and a central angle of 15°55'36" (chord bearing N.85°02'06"W., 142.33 feet) to a point of reverse curvature; thence Westerly, 57.48 feet along the arc of a curve to the left having a radius of 367.26 feet and a central angle of 08°58'02" (chord bearing N.81°33'18"W., 57.42 feet); thence N.89°57'05"E., 419.02 feet; thence S.87°37'56"E., 49.60 feet to a point of curvature; thence Northeasterly, 62.51 feet along the arc of a curve to the left having a radius of 45.00 feet and a central angle of 79°35'12" (chord bearing N.52°34'28"E., 57.60 feet) to a point of tangency; thence N.12°46'52"E., 69.31 feet to a point of curvature; thence Northwesterly, 83.88 feet along the arc of a curve to the left having a radius of 45.00 feet and a central angle of 106°47'40" (chord bearing N.40°36'58"W., 72.25 feet) to a point of tangency; thence S.85°59'12"W., 71.69 feet; thence S.89°37'07"W., 266.48 feet to a point of curvature; thence Westerly, 73.85 feet along the arc of a curve to the left having a radius of 175.00 feet and a central angle of 24°10'50" (chord bearing S.77°31'42"W., 73.31 feet) to a point of reverse curvature; thence Northwesterly, 446.12 feet along the arc of a curve to the right having a radius of 217.91 feet and a central angle of 117°17'52" (chord bearing N.55°54'47"W., 372.20 feet) to a point of compound curvature; thence Northeasterly, 426.85 feet along the arc of said curve to the right having a radius of 217.91 feet and a central angle of 112°13'53" (chord bearing N.58°51'05"E., 361.81 feet) to a point of reverse curvature; thence Easterly, 76.47 feet along the arc of a curve to the left having a radius of 175.00 feet and a central angle of 25°02'09" (chord bearing S.77°33'03"E., 75.86 feet) to a point of tangency; thence N.89°55'52"E., 256.22 feet to the POINT OF BEGINNING.

#### Parcel 3:

Beginning at the Southeast corner of said Lot 119 thence run along the South boundary of said Lot 119, S.52°32'10"W., 135.00 feet to a point on a curve; thence Northwesterly, 251.48 feet along the arc of a curve to the right having a radius of 1160.00 feet and a central angle of 12°25'17" (chord bearing N.31°15'11"W., 250.99 feet) to a point of tangency; thence N.25°02'33"W., 77.52 feet to a point of curvature; thence Northwesterly, 75.16 feet along the arc of a curve to the right having a radius of 1100.00 feet and a central angle of 03°54'54" (chord bearing N.23°05'06"W., 75.15 feet) to a point on a curve; thence Northerly, 63.95 feet along the arc of a curve to the left having a radius of 92.96 feet and a central angle of 39°25'09" (chord bearing N.05°19'37"E., 62.70 feet) to a point of reverse curvature; thence Northerly, 216.58 feet along the arc of a curve to the right having a radius of 307.91 feet and a central angle of 40°18'05" (chord bearing N.05°46'05"E., 212.14 feet) to a point of compound curvature; thence Easterly, 92.32 feet along the arc of a curve to the right having a radius of 35.84 feet and a central angle of 147°36'00" (chord bearing S.80°16'53"E., 68.83 feet) to a point of reverse curvature; thence Southeasterly, 289.21 feet along the arc of a curve to the left having a radius of 226.93 feet and a central angle of 73°01'15" (chord bearing S.42°59'30"E., 270.03 feet) to a point of reverse curvature; thence Southeasterly, 148.91 feet along the arc of a curve to the right having a radius of 87.89 feet and a central angle of 97°04'23" (chord bearing S.30°57'56"E., 131.73 feet) to a point of reverse curvature; thence Southerly, 141.00 feet along the arc of a curve to the left having a radius of 123.70 feet and a central angle of 65°18'21" (chord bearing S.15°04'55"E., 133.49 feet) to a point of reverse curvature; thence Southerly, 70.75 feet along

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the arc of a curve to the right having a radius of 66.20 feet and a central angle of 61°14'02" (chord bearing S.17°07'04"E., 67.43 feet); thence S.04°58'28"E., 114.45 feet to a point of curvature; thence Southwesterly, 55.09 feet along the arc of a curve to the right having a radius of 36.45 feet and a central angle of 86°36'04" (chord bearing S.38°19'35"W., 50.00 feet) to a point on a curve; thence Northwesterly, 118.57 feet along the arc of a curve to the left having a radius of 475.00 feet and a central angle of 14°18'08" (chord bearing N.31°57'03"W., 118.26 feet); thence N.38°16'59"W., 29.31 feet to the POINT OF BEGINNING.

#### Parcel 4:

Commencing at the intersection of Marble Stone Drive and Quarry Drive thence run along the centerline of Quarry Drive S.85°55'28"E., 360.11 feet to a point of curvature; thence Easterly, 135.99 feet along the arc of a curve to the left having a radius of 750.00 feet and a central angle of 10°23'20" (chord bearing N.88°52'52"E., 135.81 feet) to a point of tangency; thence N.83°41'12"E., 53.67 feet to the POINT OF BEGINNING said point being on a curve thence Northeasterly, 63.03 feet along the arc of a curve to the right having a radius of 63.68 feet and a central angle of 56°43'06" (chord bearing N.56°52'52"E., 60.49 feet) to a point of compound curvature; thence Easterly, 133.03 feet along the arc of a curve to the right having a radius of 2115.33 feet and a central angle of 03°36'12" (chord bearing N.87°02'31"E., 133.01 feet) to a point of compound curvature; thence Easterly, 52.00 feet along the arc of a curve to the right having a radius of 198.85 feet and a central angle of 14°58'54" (chord bearing S.83°39'56"E., 51.85 feet) to a point of reverse curvature; thence Easterly, 99.40 feet along the arc of a curve to the left having a radius of 395.58 feet and a central angle of 14°23'51" (chord bearing S.83°22'25"E., 99.14 feet) to a point of compound curvature; thence Easterly, 214.86 feet along the arc of a curve to the left having a radius of 418.07 feet and a central angle of 29°26'47" (chord bearing N.74°42'16"E., 212.50 feet) to a point of reverse curvature; thence Easterly, 89.80 feet along the arc of a curve to the right having a radius of 197.05 feet and a central angle of 26°06'34" (chord bearing N.73°02'09"E., 89.02 feet); thence S.06°18'48"E., 190.60 feet to a point of curvature; thence Southwesterly, 70.38 feet along the arc of a curve to the right having a radius of 45.00 feet and a central angle of 89°36'28" (chord bearing S.38°29'26"W., 63.42 feet); thence S.83°18'12"W., 242.58 feet; thence N.76°37'11"W., 36.82 feet to a point on a curve; thence Northeasterly, 27.82 feet along the arc of a curve to the left having a radius of 14.69 feet and a central angle of 108°31'55" (chord bearing N.27°05'21"E., 23.85 feet) to a point of compound curvature; thence Northwesterly, 28.89 feet along the arc of a curve to the left having a radius of 42.48 feet and a central angle of 38°58'24" (chord bearing N.46°39'48"W., 28.34 feet) to a point of compound curvature; thence Westerly, 58.73 feet along the arc of a curve to the left having a radius of 508.04 feet and a central angle of 06°37'24" (chord bearing N.69°27'42"W., 58.70 feet) to a point of compound curvature; thence Westerly, 66.16 feet along the arc of a curve to the left having a radius of 116.84 feet and a central angle of 32°26'42" (chord bearing N.88°59'45"W., 65.28 feet) to a point of reverse curvature; thence Westerly, 178.10 feet along the arc of a curve to the right having a radius of 258.62 feet and a central angle of 39°27'23" (chord bearing N.85°29'25"W., 174.60 feet) to a point of compound curvature; thence Northwesterly, 72.31 feet along the arc of a curve to the right having a radius of 54.09 feet and a central angle of 76°36'03" (chord bearing N.27°27'42"W., 67.05 feet) to a point of

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compound curvature; thence Northerly, 19.65 feet along the arc of a curve to the right having a radius of 63.68 feet and a central angle of 17°40'59" (chord bearing N.19°40'49"E., 19.57 feet); to the POINT OF BEGINNING.

#### Parcel 5:

Commencing at the intersection of Marble Stone Drive and Quarry Drive thence run along the centerline of Quarry Drive S.85°55'28"E., 165.48 feet to the POINT of BEGINNING said point being on a curve; thence Easterly, 96.93 feet along the arc of a curve to the right having a radius of 244.48 feet and a central angle of 22°43'01" (chord bearing S.82°56'39"E., 96.30 feet) to a point of compound curvature; thence Southerly, 42.88 feet along the arc of a curve to the right having a radius of 23.12 feet and a central angle of 106°16'10" (chord bearing S.18°27'04"E., 36.99 feet) to a point of reverse curvature; thence Southerly, 161.15 feet along the arc of a curve to the left having a radius of 108.51 feet and a central angle of 85°05'19" (chord bearing S.07°51'38"E., 146.74 feet) to a point of compound curvature; thence Easterly, 37.00 feet along the arc of a curve to the left having a radius of 60.61 feet and a central angle of 34°58'37" (chord bearing S.67°53'36"E., 36.43 feet); thence N.86°19'05"W., 240.41 feet to a point of curvature; thence Southwesterly, 74.18 feet along the arc of a curve to the left having a radius of 45.00 feet and a central angle of 94°27'06" (chord bearing S.46°27'22"W., 66.06 feet); thence N.00°46'11"W., 11.40 feet to a point of curvature; thence Northeasterly, 132.55 feet along the arc of a curve to the right having a radius of 160.26 feet and a central angle of 47°23'22" (chord bearing N.22°55'30"E., 128.80 feet) to a point of reverse curvature; thence Northerly, 65.65 feet along the arc of a curve to the left having a radius of 75.18 feet and a central angle of 50°01'51" (chord bearing N.21°36'16"E., 63.59 feet) to a point of reverse curvature; thence Northeasterly, 63.95 feet along the arc of a curve to the right having a radius of 42.99 feet and a central angle of 85°13'19" (chord bearing N.39°12'00"E., 58.21 feet) to a point of compound curvature; thence Easterly, 16.58 feet along the arc of a curve to the right having a radius of 244.48 feet and a central angle of 03°53'12" (chord bearing N.83°45'15"E., 16.58 feet); to the POINT OF BEGINNING.

#### Parcel 6:

Commencing at the intersection of Copper Rock Court and Marble Stone Drive thence run along the centerline of Marble Stone Drive N.01°02'57"W., 135.10 feet to a point of curvature; thence Northerly, 48.82 feet along the arc of a curve to the left having a radius of 1000.00 feet and a central angle of 02°47'50" (chord bearing N.02°26'52"W., 48.82 feet); thence N.88°30'21"E., 32.21 feet; to the POINT of BEGINNING; thence N.88°30'21"E., 464.74 feet to a point of curvature; thence Easterly, 108.37 feet along the arc of a curve to the left having a radius of 632.00 feet and a central angle of 09°49'29" (chord bearing N.83°35'36"E., 108.24 feet) to a point of tangency; thence N.78°40'52"E., 48.51 feet to a point of curvature; thence Easterly, 141.69 feet along the arc of a curve to the right having a radius of 632.00 feet and a central angle of 12°50'42" (chord bearing N.85°06'13"E., 141.39 feet) to a point of tangency; thence S.88°28'26"E., 118.61 feet to a point of curvature; thence Southeasterly, 129.19 feet along the arc of a curve to the right having a radius of 85.00 feet and a central angle of 87°04'50" (chord bearing S.44°56'01"E., 117.11 feet) to a point of tangency; thence S.01°23'36"E., 291.93 feet to a point of curvature; thence Southwesterly, 86.41 feet along the arc of a curve to

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the right having a radius of 50.00 feet and a central angle of 99°01'25" (chord bearing S.48°07'07"W., 76.05 feet) to a point of reverse curvature; thence Westerly, 99.74 feet along the arc of a curve to the left having a radius of 335.23 feet and a central angle of 17°02'51" (chord bearing S.89°06'24"W., 99.38 feet) to a point of reverse curvature; thence Westerly, 195.02 feet along the arc of a curve to the right having a radius of 508.00 feet and a central angle of 21°59'46" (chord bearing N.88°25'09"W., 193.83 feet) to a point of reverse curvature; thence Westerly, 197.69 feet along the arc of a curve to the left having a radius of 822.00 feet and a central angle of 13°46'47" (chord bearing N.84°18'40"W., 197.22 feet) to a point of tangency; thence S.88°47'57"W., 404.49 feet to a point on a curve; thence Northerly, 33.78 feet along the arc of a curve to the right having a radius of 394.33 feet and a central angle of 04°54'28" (chord bearing N.05°01'50"E., 33.77 feet) to a point of compound curvature; thence Northerly, 100.68 feet along the arc of a curve to the right having a radius of 717.03 feet and a central angle of 08°02'43" (chord bearing N.11°30'25"E., 100.60 feet) to a point of compound curvature; thence Northeasterly, 58.08 feet along the arc of a curve to the right having a radius of 43.40 feet and a central angle of 76°40'31" (chord bearing N.53°52'02"E., 53.84 feet); thence S.85°02'06"E., 77.22 feet to a point of curvature; thence Easterly, 74.90 feet along the arc of a curve to the right having a radius of 402.54 feet and a central angle of 10°39'38" (chord bearing S.79°42'16"E., 74.79 feet) to a point of compound curvature; thence Southeasterly, 70.64 feet along the arc of a curve to the right having a radius of 66.67 feet and a central angle of 60°42'18" (chord bearing S.44°01'18"E., 67.38 feet) to a point of reverse curvature; thence Southeasterly, 25.91 feet along the arc of a curve to the left having a radius of 25.93 feet and a central angle of 57°15'44" (chord bearing S.42°18'01"E., 24.85 feet) to a point of compound curvature; thence Easterly, 110.57 feet along the arc of a curve to the left having a radius of 174.15 feet and a central angle of 36°22'34" (chord bearing S.89°07'10"E., 108.72 feet) to a point of reverse curvature; thence Easterly, 51.94 feet along the arc of a curve to the right having a radius of 622.68 feet and a central angle of 04°46'44" (chord bearing N.75°04'55"E., 51.92 feet) to a point of compound curvature; thence Easterly, 137.99 feet along the arc of a curve to the right having a radius of 473.57 feet and a central angle of 16°41'42" (chord bearing N.85°49'08"E., 137.50 feet) to a point of reverse curvature; thence Easterly, 91.68 feet along the arc of a curve to the left having a radius of 227.49 feet and a central angle of 23°05'29" (chord bearing N.82°37'15"E., 91.06 feet) to a point of reverse curvature; thence Easterly, 61.32 feet along the arc of a curve to the right having a radius of 92.82 feet and a central angle of 37°51'00" (chord bearing EAST, 60.21 feet) to a point of reverse curvature; thence Northeasterly, 109.88 feet along the arc of a curve to the left having a radius of 60.82 feet and a central angle of 103°30'45" (chord bearing N.57°10'07"E., 95.54 feet) to a point of compound curvature; thence Northwesterly, 184.01 feet along the arc of a curve to the left having a radius of 79.95 feet and a central angle of 131°52'10" (chord bearing N.60°31'20"W., 146.00 feet) to a point of reverse curvature; thence Westerly, 73.93 feet along the arc of a curve to the right having a radius of 74.75 feet and a central angle of 56°40'08" (chord bearing S.81°52'39"W., 70.95 feet) to a point of reverse curvature; thence Westerly, 126.00 feet along the arc of a curve to the left having a radius of 306.82 feet and a central angle of 23°31'45" (chord bearing N.81°33'10"W., 125.12 feet) to a point of reverse curvature; thence Westerly, 35.23 feet along the arc of a curve to the right having a radius of 167.04 feet and a central angle of 12°04'56" (chord bearing N.87°16'35"W., 35.16 feet) to a point of

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Luis Rodriguez, P.E., Chief  
Engineering Management Branch  
Federal Insurance and Mitigation Administration



# Federal Emergency Management Agency

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reverse curvature; thence Westerly, 315.22 feet along the arc of a curve to the left having a radius of 784.04 feet and a central angle of 23°02'07" (chord bearing S.87°14'50"W., 313.10 feet) to a point of reverse curvature; thence Westerly, 126.52 feet along the arc of a curve to the right having a radius of 284.39 feet and a central angle of 25°29'20" (chord bearing S.88°28'26"W., 125.47 feet) to a point of compound curvature; thence Northwesterly, 48.22 feet along the arc of a curve to the right having a radius of 37.57 feet and a central angle of 73°32'07" (chord bearing N.42°00'50"W., 44.98 feet); thence N.00°46'11"W., 108.84 feet to the POINT OF BEGINNING.

#### Parcel 7:

BEGINNING at the Southwest corner of Lot 19, Block "E" of said Quarry Phase 1; thence N.23°25'45"E., 160.23 feet to a point on a curve; thence Southeasterly, 366.94 feet along the arc of a curve to the right having a radius of 374.57 feet and a central angle of 56°07'45" (chord bearing S.39°12'30"E., 352.44 feet); thence S.82°17'07"W., 167.49 feet; thence N.26°35'11"W., 44.37 feet to a point on a curve; thence Northwesterly, 150.32 feet along the arc of a curve to the left having a radius of 263.72 feet and a central angle of 32°39'27" (chord bearing N.42°45'17"W., 148.29 feet) to the POINT OF BEGINNING.

#### Parcel 8:

Commencing at the Northeast Corner of Lot 12 Block "E" of said Quarry Phase 1 thence N.89°21'31"W. , 10.27 feet to the Point of Beginning; thence S.02°15'32"E., 289.37 feet; thence N.88°46'54"W., 161.95 feet; thence N.04°05'22"W., 278.43 feet; thence N.85°14'27"E., 170.71 feet; thence continue S.02°15'32"E., 6.19 feet to the POINT OF BEGINNING

#### Parcel 9:

Commencing at the Northeast Corner of Lot 4, Block "E" of said Quarry Phase 1 thence N.82°56'47"W., 11.50 feet to the Point of Beginning; thence S.05°21'14"W., 242.33 feet; thence S.09°37'24"W., 140.90 feet to a point on a curve; thence Westerly, 41.95 feet along the arc of a curve to the left having a radius of 215.50 feet and a central angle of 11°09'15" (chord bearing N.88°44'06"W., 41.89 feet) to a point of tangency; thence S.85°41'17"W., 120.79 feet; thence N.01°47'30"W., 145.39 feet; thence N.10°44'06"E., 254.29 feet; thence S.88°36'15"E., 165.98 feet; thence S.05°21'14"W., 2.78 feet to the POINT OF BEGINNING.

### DETERMINATION TABLE (CONTINUED)

| LOT   | BLOCK/<br>SECTION | SUBDIVISION    | STREET             | OUTCOME<br>WHAT IS<br>REMOVED FROM<br>THE SFHA | FLOOD<br>ZONE   | 1% ANNUAL<br>CHANCE<br>FLOOD<br>ELEVATION<br>(NAVD 88) | LOWEST<br>ADJACENT<br>GRADE<br>ELEVATION<br>(NAVD 88) | LOWEST<br>LOT<br>ELEVATION<br>(NAVD 88) |
|-------|-------------------|----------------|--------------------|------------------------------------------------|-----------------|--------------------------------------------------------|-------------------------------------------------------|-----------------------------------------|
| 10-12 | E                 | Quarry Phase 1 | Marble Stone Drive | Portion of<br>Property<br>(Parcel 8)           | X<br>(unshaded) | --                                                     | --                                                    | 14.5 feet                               |

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| LOT                            | BLOCK/<br>SECTION | SUBDIVISION        | STREET                           | OUTCOME<br>WHAT IS<br>REMOVED FROM<br>THE SFHA | FLOOD<br>ZONE   | 1% ANNUAL<br>CHANCE<br>FLOOD<br>ELEVATION<br>(NAVD 88) | LOWEST<br>ADJACENT<br>GRADE<br>ELEVATION<br>(NAVD 88) | LOWEST<br>LOT<br>ELEVATION<br>(NAVD 88) |
|--------------------------------|-------------------|--------------------|----------------------------------|------------------------------------------------|-----------------|--------------------------------------------------------|-------------------------------------------------------|-----------------------------------------|
| 1-4                            | E                 | Quarry Phase 1     | Marble Stone Drive               | Portion of<br>Property<br>(Parcel 9)           | X<br>(unshaded) | --                                                     | --                                                    | 14.5 feet                               |
| 22-44                          | Q                 | Quarry Phase 2     | Copper Rock Court                | Portion of<br>Property<br>(Parcel 6)           | X<br>(unshaded) | --                                                     | --                                                    | 14.5 feet                               |
| 106-11<br>6                    | --                | Quarry Phase 3     | Limestone Lane                   | Portion of<br>Property<br>(Parcel 1)           | X<br>(unshaded) | --                                                     | --                                                    | 14.5 feet                               |
| 48-55<br>&<br>72-90            | --                | Quarry Phase 3     | Flint Court & Graphite<br>Circle | Portion of<br>Property<br>(Parcel 2)           | X<br>(unshaded) | --                                                     | --                                                    | 14.5 feet                               |
| 1-4,<br>14-20,<br>117 &<br>119 | --                | Quarry Phase 3     | Quarry Drive                     | Portion of<br>Property<br>(Parcel 3)           | X<br>(unshaded) | --                                                     | --                                                    | 14.5 feet                               |
| 1-5                            | --                | Quarry Phase<br>3A | Quarry Drive                     | Portion of<br>Property<br>(Parcel 5)           | X<br>(unshaded) | --                                                     | --                                                    | 14.5 feet                               |
| 10-20                          | --                | Quarry Phase<br>3A | Quarry Drive                     | Portion of<br>Property<br>(Parcel 4)           | X<br>(unshaded) | --                                                     | --                                                    | 14.5 feet                               |

#### **PORTIONS OF THE PROPERTY REMAIN IN THE SFHA (This Additional Consideration applies to the preceding 9 Properties.)**

Portions of this property, but not the subject of the Determination/Comment document, may remain in the Special Flood Hazard Area. Therefore, any future construction or substantial improvement on the property remains subject to Federal, State/Commonwealth, and local regulations for floodplain management.

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