



## TOWN AND VILLAGE OF HARRISON ENGINEERING DEPARTMENT

Alfred F. Sulla, Jr. Municipal Building  
1 Heineman Place  
Harrison, New York 10528



Michael J. Amodeo, P.E., CFM  
Town/Village Engineer

Frank Balbi, P.E., CFM  
Assistant Engineer

October 9, 2014

Supervisor Ron Belmont and  
Members of the Town Board  
Town of Harrison  
1 Heineman Place  
Harrison, New York 10528

Re: 158-160 Crotona Avenue  
Block 365, Lot 5.7  
Building Permit Application

Dear Supervisor Belmont and Members of the Town Board:

The above referenced sites are located within FEMA designated Flood Plains. Harrison Town Code Section 235-32-B states:

*"All plans for buildings built in flood areas as defined above shall be transmitted to the Town Engineer for recommendations. Such recommendation must be confirmed by a resolution of the Town Board prior to the issuance of a building permit conforming to the recommendations".*

Pursuant to Town Code, our recommendations for the development of this property are as follows:

1. The existing FEMA Flood Plain Elevation at this property is 64.3 feet (NGVD 1988), as shown on the FEMA Flood Insurance Study dated September 28, 2007.
2. The proposed First Floor Elevation shall be 71.7 feet as shown on site plans revised October 15, 2013, prepared by Mark Mustacato, Architect.
3. The proposed Garage Floor Elevation shall be 62.7 feet as shown on site plans revised October 15, 2014, prepared Mark Mustacato, Architect.
4. As reflected in the above mentioned plan, there shall be no grade change permitted on this property.
5. An as-built survey from a New York State Licensed Surveyor will be required. The as-built shall include the flood plain elevation, and all floor elevations. As-built must also show compliance with Town building height regulations, as well as surface information verifying no grade change. *This survey must be completed by A NYS Licensed Surveyor and*

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*submitted to and approved by the Engineering Department prior to issuance of a Certificate of Occupancy.*

6. In order to verify the structure and all utilities have been built safely above the Base Flood Elevation, *an Elevation Certificate must be completed by a NYS Licensed Surveyor and submitted by the design professional and approved by the Engineering Department prior to issuance of a Certificate of Occupancy.*
7. Flood resistant materials and proper flood vents must be used within all areas permitted below the Base Flood Elevation. *Written certification of the installation of flood resistance materials and flood vents must be submitted by the design professional and approved by the Engineering Department prior to the issuance of a Certificate of Occupancy.*
8. Enclosed areas within a Floodplain are designed to be flooded, and can be used only for parking vehicles, storage, or access to the elevated living area. *A Non Conversion agreement must be submitted and signed by the property owner and filed with the Westchester County Clerk prior to issuance of a Certificate of Occupancy.*
9. All mechanical, electrical and plumbing appurtenances shall maintain no less than 24" clearance above the base flood elevation. This includes all electrical fixtures, outlets, boilers, air handlers, condenser units, sewer traps, cleanouts and vents. *Written certification of the installation of all mechanical, electrical and plumbing appurtenances must be submitted by the design professional and approved by the Engineering Department prior to the issuance of a Certificate of Occupancy.*
10. Curbs along the entire frontage of the property are to be installed/replaced.

Respectfully submitted,



Michael J. Amodeo, P.E., CFM  
Town/Village Engineer

MJA/fmb



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Town/Village Engineer

October 9, 2014

Supervisor Ron Belmont and  
Members of the Town Board  
Town of Harrison  
1 Heineman Place  
Harrison, New York 10528

Re: 162-164 Crotona Avenue  
Block 365, Lot 5.6  
Building Permit Application

Dear Supervisor Belmont and Members of the Town Board:

The above referenced sites are located within FEMA designated Flood Plains. Harrison Town Code Section 235-32-B states:

*"All plans for buildings built in flood areas as defined above shall be transmitted to the Town Engineer for recommendations. Such recommendation must be confirmed by a resolution of the Town Board prior to the issuance of a building permit conforming to the recommendations".*

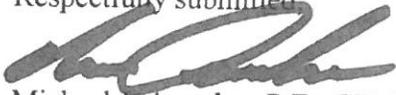
Pursuant to Town Code, our recommendations for the development of this property are as follows:

1. The existing FEMA Flood Plain Elevation at this property is 64.3 feet (NGVD 1988), as shown on the FEMA Flood Insurance Study dated September 28, 2007.
2. The proposed First Floor Elevation shall be 71.5 feet as shown on site plans revised October 15, 2013, prepared by Mark Mustacato, Architect.
3. The proposed Garage Floor Elevation shall be 62.5 feet as shown on site plans revised October 15, 2014, prepared Mark Mustacato, Architect.
4. As reflected in the above mentioned plan, there shall be no grade change permitted on this property.
5. An as-built survey from a New York State Licensed Surveyor will be required. The as-built shall include the flood plain elevation, and all floor elevations. As-built must also show compliance with Town building height regulations, as well as surface information verifying no grade change. *This survey must be submitted to and approved by the Engineering Department prior to issuance of a Certificate of Occupancy.*

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6. In order to verify the structure and all utilities have been built safely above the Base Flood Elevation, *an Elevation Certificate must be completed by a NYS Licensed Surveyor and submitted by the design professional and approved by the Engineering Department prior to issuance of a Certificate of Occupancy.*
7. Flood resistant materials and proper flood vents must be used within all areas permitted below the Base Flood Elevation. *Written certification of the installation of flood resistant materials and flood vents must be submitted by the design professional and approved by the Engineering Department prior to the issuance of a Certificate of Occupancy.*
8. Enclosed areas within a Floodplain are designed to be flooded, and can be used only for parking vehicles, storage, or access to the elevated living area. *A Non Conversion agreement must be submitted and signed by the property owner and filed with the Westchester County Clerk prior to issuance of a Certificate of Occupancy.*
9. All mechanical, electrical and plumbing appurtenances shall maintain no less than 24" clearance above the base flood elevation. This includes all electrical fixtures, outlets, boilers, air handlers, condenser units, sewer traps, cleanouts and vents. *Written certification of the installation of all mechanical, electrical and plumbing appurtenances must be submitted by the design professional and approved by the Engineering Department prior to the issuance of a Certificate of Occupancy.*
10. Curbs along the entire frontage of the property are to be installed/replaced.

Respectfully submitted,



Michael J. Amodeo, P.E., CFM  
Town/Village Engineer

MJA/fmb



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1 Heineman Place  
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Frank Balbi, P.E., CFM  
Assistant Engineer

Michael J. Amodeo, P.E., CFM  
Town/Village Engineer

October 9, 2014

Supervisor Ron Belmont and  
Members of the Town Board  
Town of Harrison  
1 Heineman Place  
Harrison, New York 10528

Re: 166-168 Crotona Avenue  
Block 365, Lot 5.5  
Building Permit Application

Dear Supervisor Belmont and Members of the Town Board:

The above referenced sites are located within FEMA designated Flood Plains. Harrison Town Code Section 235-32-B states:

*"All plans for buildings built in flood areas as defined above shall be transmitted to the Town Engineer for recommendations. Such recommendation must be confirmed by a resolution of the Town Board prior to the issuance of a building permit conforming to the recommendations".*

Pursuant to Town Code, our recommendations for the development of this property are as follows:

1. The existing FEMA Flood Plain Elevation at this property is 64.3 feet (NGVD 1988), as shown on the FEMA Flood Insurance Study dated September 28, 2007.
2. The proposed First Floor Elevation shall be 71.3 feet as shown on site plans revised October 15, 2013, prepared by Mark Mustacato, Architect.
3. The proposed Garage Floor Elevation shall be 62.3 feet as shown on site plans revised October 15, 2014, prepared Mark Mustacato, Architect.
4. As reflected in the above mentioned plan, there shall be no grade change permitted on this property.
5. An as-built survey from a New York State Licensed Surveyor will be required. The as-built shall include the flood plain elevation, and all floor elevations. As-built must also show compliance with Town building height regulations, as well as surface information verifying no grade change. *This survey must be completed by a NYS Licensed Surveyor and*

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*submitted to and approved by the Engineering Department prior to issuance of a Certificate of Occupancy.*

6. In order to verify the structure and all utilities have been built safely above the Base Flood Elevation, *an Elevation Certificate must be completed by a NYS Licensed Surveyor and submitted by the design professional and approved by the Engineering Department prior to issuance of a Certificate of Occupancy.*
7. Flood resistant materials and proper flood vents must be used within all areas permitted below the Base Flood Elevation. *Written certification of the installation of flood resistant materials and flood vents must be submitted by the design professional and approved by the Engineering Department prior to the issuance of a Certificate of Occupancy.*
8. Enclosed areas within a Floodplain are designed to be flooded, and can be used only for parking vehicles, storage, or access to the elevated living area. *A Non Conversion agreement must be submitted and signed by the property owner and filed with the Westchester County Clerk prior to issuance of a Certificate of Occupancy.*
9. Curbs along the entire frontage of the property are to be installed/replaced.
10. All mechanical, electrical and plumbing appurtenances shall maintain no less than 24" clearance above the base flood elevation. This includes all electrical fixtures, outlets, boilers, air handlers, condenser units, sewer traps, cleanouts and vents. *Written certification of the installation of all mechanical, electrical and plumbing appurtenances must be submitted by the design professional and approved by the Engineering Department prior to the issuance of a Certificate of Occupancy,*
11. Common drainage line along the southerly property line shall be installed and approved by the Engineering Department prior to the issuance of a Certificate of Occupancy.
12. A drainage easement encapsulating the common drain line shall be filed with the Westchester County Clerk prior to the issuance of a certificate of Occupancy.

Respectfully submitted,



Michael J. Amodeo, P.E., CFM  
Town/Village Engineer

MJA/fmb