

1. Conference Meeting Agenda

Documents: [CA4.28.15.PDF](#)

2. Public Meeting Agenda

Documents: [PM4.28.15.PDF](#)

3. Resolution(S)

3.I. 102-15

Documents: [102-15 AUTHORIZING WAIVER OF SIDEWALK RE COLONIAL WOODS PER DEVELOPERS AGREEMENT.PDF](#), [102-15 ATTACHMENTS - COLONIAL WOODS.PDF](#)

3.II. 120-15

Documents: [120-15 TAX COURT RESOLUTION.PDF](#), [120-15 ATTACHMENT - TAX COURT RESOLUTION.PDF](#)

3.III. 121-15

Documents: [121-15 RAFFLE LICENSES 4.28.15.PDF](#)

3.IV. 122-15

Documents: [122-15 EXECUTION OF CO-LOCATION AGREEMENT FOR VERIZON AT 280 PLEASANT VALLEY WAY.PDF](#), [122-15 ATTACHMENT A TO RESOLUTION AUTHORIZING CO-LOCATION AGREEMENT BETWEEN VERIZON AND SPRINT SPECTRU.PDF](#)

3.V. 123-15

Documents: [123-15 AUTHORIZING ADOPTION OF 2015 ESSEX HAZARD MITIGATION PLAN.PDF](#), [123-15 ATTACHMENT - ESSEX MITIGATION HAZARD.PDF](#)

3.VI. 124-15

Documents: [124-15 RESOLUTION LESSING COURT.PDF](#)

3.VII. 125-15

Documents: [125-15 COMPETITIVE CONTRACT COMPUTER IT SERVICES.PDF](#)

3.VIII. 126-15

Documents: [126-15 AUTHORIZING AUCTION - ABANDONED CARS.PDF](#), [126-15 ADVERTISEMENT-ABANDONED CARS 05122015.PDF](#)

3.IX. 127-15

Documents: [127-15 READ BUDGET BY TITLE ONLY.PDF](#)

4. Ordinance(S) On Second And Final Reading

4.I. 2447-15

Documents: [2447-15 BUDGET CAP ORDINANCE 2015.PDF](#)

5. Ordinance(S) On First Reading

5.I. 2449-15

Documents: [2449-15 PEDESTRIAN SAFETY ADVISORY BOARD - REVISED
APRIL 22.PDF](#)

COUNCIL COMMITTEE CONFERENCE MEETING

AGENDA

Council Chambers – 66 Main Street, West Orange, NJ

April 28, 2015

This is to inform the general public that this meeting is being held in compliance with Section 5 of the Open Public Meetings Act, Chapter 231, Public Law 1975. A notice of this meeting was mailed to the Star Ledger and the West Orange Chronicle on December 1, 2014. A notice of this meeting was also posted on the Bulletin Board in the Municipal Building, West Orange and filed in the office of the Municipal Clerk of the Township of West Orange on December 1, 2014.

Roll Call – Councilman Cirilo, Councilman Krakoviak, Councilwoman Spango, Councilwoman McCartney, Council President Guarino (Mayor Parisi)

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6:30 P.M

a. Fire Department Promotions

Promoted to rank of Deputy Fire Chief: Fire Captain Albert Souza, III
Promoted to the rank of Fire Captain: Firefighter Stephen Ameli
Sworn in as Probationary Firefighters: Recruits William Wagner &
Leon Sederwall

b. Mayor's Proclamation – Relay for Life

c. Mayor's Proclamation - Nurses Week – May 6-12

Susan Iovino, West Orange Senior Public Health Nurse &
Loucel Osias, West Orange Public Health Nurse

d. Certificate of Recognition – West Orange High School Wind Ensemble

Council Liaison Announcements

7:00 P.M.

• Public Meeting

Agenda is subject to change.

AGENDA
Tuesday, April 28, 2015
Township of West Orange
66 Main Street – 7:00 p.m.

This is to inform the general public that this meeting is being held in compliance with Section 5 of the Open Public Meetings Act, Chapter 231, Public Law 1975. A notice of this meeting was mailed to the Star Ledger and the West Orange Chronicle on December 1, 2014. A notice of this meeting was also posted on the Bulletin Board in the Municipal Building, West Orange and filed in the office of the Municipal Clerk of the Township of West Orange on December 1, 2014.

Statement of Decorum

In all matters not provided for in subsection 3-15.1 and except upon consent of the Council President, each person addressing the Council pursuant to this subsection shall be required to limit his or her remarks to five (5) minutes, and shall at no time engage in any personally offensive or abusive remarks. The chair shall call any speaker to order who violates any provision of this rule.

(1972 Code § 3-15.2)

Roll Call – Councilman Cirilo, Councilman Krakoviak, Councilwoman Spango, Councilwoman McCartney, Council President Guarino (Mayor Parisi)

- 1. Pledge of Allegiance**
- 2. Public Comment**
- 3. *Consent Agenda**
- 4. *Approval of Minutes of Previous Meeting** – Executive Session Minutes – April 14, 2015, Public Meeting Minutes – April 14, 2015
- 5. *Report of Township Officers-Municipal Judge’s Report-March 2015**
- 6. *Reading of Petitions and Communications and Bids-None**
- 7. *Bills**

PUBLIC HEARING on the 2015 Municipal Budget

8.*Resolutions

- a. 102-15 Resolution Granting Limited Waiver of Obligation to Install Sidewalks on Extended Portions of Nance Road and Colonial Woods Drive (Legal-Duffy)
This Resolution would grant a limited waiver with respect to the obligation of RNC Developers, Inc. (“RNC”) to install sidewalks on both sides of extended portions of Nance Road and Colonial Woods Drive. RNC, which has assumed the obligations imposed upon Colonial Woods, LLC (“Colonial Woods”) pursuant to a February 10, 2009 Developer’s Agreement between the Township and Colonial Woods, would be permitted, with the approval of the Township Engineer, to install sidewalks only on the easterly side of Nance Road and on the southerly/westerly side of Colonial Woods Drive. Such approval would be conditioned on RNC’s commitment to ensure that the sides of Nance Road and Colonial Woods Drive upon which sidewalks are not installed are nonetheless graded in accordance with applicable regulations.
- b. 120-15 Resolution Authorizing the Collector of Taxes to Rebate Payment to the Listed Taxpayer Pursuant to Final Judgment by the Tax Court of New Jersey (Gagliardo)
- c. 121-15 Resolution Authorizing the Issuance of Raffle Licenses (Clerk)

- d. 122-15 Resolution Authorizing Execution of Co-Location Agreement for Verizon at 280 Pleasant Valley Way (Legal-Moon)
This resolution authorizes the Township to approve, authorize and execute a co-location agreement regarding the installation of telecommunications equipment by Verizon on and adjacent to a telecommunications monopole located at the Woodlands Firehouse at 280 Pleasant Valley Way. The Council has already authorized the Land Lease Agreement between the Township and Verizon, but this co-location agreement between Verizon and Sprint Spectrum, the initial tenant and installer of the monopole is required pursuant to the terms of the initial lease agreement between the Township and Sprint Spectrum, LP.
- e. 123-15 Resolution Authorizing Adoption of The 2015 Essex County All Hazard Mitigation Plan Update (Legal-Duffy/Smeraldo)
This Resolution would authorize the adoption and implementation of Essex County's 2015 All Hazard Mitigation Plan Update (the "Plan"), a copy of which is attached to the proposed Resolution. The Township's adoption of the Plan would be an expression of the Township's intent to execute the actions identified therein and to continue coordinating its efforts with the Mitigation Planning Committee.
- f. 124-15 Resolution Authorizing an Emergency Contract To Eliminate the Over Flow of Sanitary Sewage into the Basement of the Home at 7 Lessing Court (Lepore)
- g. 125-15 Resolution Authorizing Competitive Contracting Process-Computer IT Services (DeSantis)
- h. 126-15 Resolution Authorizing an Abandoned Car Auction (DeSantis)
- i. 127-15 Resolution Authorizing the Municipal Budget to be Read by Title Only

9. Ordinances on Second and Final Reading

- a. 2447-15 Calendar Year 2015 Ordinance to Exceed the Municipal Budget Appropriation Limits and to Establish a Cap Bank (N.J.S.A. 40A:4-45.14) (Gross)

10. Ordinances on First Reading

- a. 2449-15 An Ordinance Creating Chapter 2, Section 61 of the Revised General Ordinances of the Township of West Orange Entitled "Pedestrian Safety Advisory Board" (Legal-Duffy)

11. ABC Hearing-None

12. Adjournment

**The Council President may at his/her discretion modify with consent the order of business at any meeting of the Council if he/she deems it necessary and appropriate.
(1972 Code § 3-8; Ord. No. 726-84; Ord. No. 1157-93; Ord. No. 2128-07 § II)**

Agenda is subject to change.

RESOLUTION

WHEREAS, on February 10, 2009, the Township of West Orange (the “Township”) and Colonial Woods, L.L.C. (“Colonial”) entered into a Developer’s Agreement pertaining to Colonial’s development of real property in the Township designated as Block 173, Lot 12 and Block 172.29, Lot 40.02 on the Township’s tax maps (the “Developer’s Agreement”), a copy of which is annexed hereto as **Attachment “A”**; and

WHEREAS, on March 25, 2014, the Township, Colonial, and RNC Developers, Inc. (“RNC”) entered into an Amendment to the Developer’s Agreement (the “Amendment”), as the result of which Colonial assigned all of its obligations under the Agreement to RNC, a copy of which is annexed hereto as **Attachment “B”**; and

WHEREAS, Section 5.3.1.1. of the Developer’s Agreement provides that “[s]idewalks shall be installed on both sides of all streets unless a waiver is received from the Township Council”; and

WHEREAS, the development activities encompassed in the Developer’s Agreement include the extension, in a northerly direction, of Nance Road and Colonial Woods Drive; and

WHEREAS, RNC has sought, pursuant to Section 5.3.1.1. of the Developer’s Agreement, a waiver of its obligation to install sidewalks on both sides of Nance Road and Colonial Woods Drive, and has thereby sought permission to install sidewalks on only one side of the foregoing streets; and

WHEREAS, the Township Engineer is familiar with the Developer’s Agreement, and is familiar specifically with Nance Road, Colonial Woods Drive, and the surrounding area; and

WHEREAS, the Township Engineer has recommended that RNC be granted a waiver of its obligation to install sidewalks on both sides of Nance Road and Colonial Woods Drive, and that RNC therefore be permitted to install a sidewalk on the easterly side of Nance Road and a sidewalk on the southerly/westerly side of Colonial Woods Drive, on the condition that the sides

of Nance Road and Colonial Woods Drive upon which sidewalks are not installed are nonetheless graded in accordance with all applicable regulations;

NOW, BE IT HEREBY RESOLVED BY THE TOWNSHIP COUNCIL OF THE TOWNSHIP OF WEST ORANGE that, pursuant to Section 5.3.1.1. of the Developer's Agreement, RNC is granted a waiver of its obligation to install sidewalks on both sides of Nance Road and Colonial Woods Drive, and is instead directed to install a sidewalk on the easterly side of Nance Road and a sidewalk on the southerly/westerly side of Colonial Woods Drive, and further directed to ensure that the sides of Nance Road and Colonial Woods Drive upon which sidewalks are not installed are nonetheless graded in accordance with all applicable regulations; and

BE IT FURTHER RESOLVED, that this Resolution shall be made available in the Clerk's office for reasonable inspection in accordance with applicable law.

Karen J. Carnevale,
Municipal Clerk

Jerry Guarino,
Council President

Adopted: April 28, 2015

ATTACHMENT “A”

DEVELOPER'S AGREEMENT

THIS AGREEMENT, made this 10th day of FEBRUARY 2009 by COLONIAL WOODS, L.L.C., a New Jersey Limited Liability Company, having its principal place of business at 184 South Livingston Avenue, Suite 11, Livingston, New Jersey 07039, County of Essex, State of New Jersey, hereinafter referred to as "DEVELOPER"; and

THE TOWNSHIP OF WEST ORANGE, a Municipal Corporation of the State of New Jersey, having its principal place of business at 66 Main Street, West Orange, N.J. 07052, hereinafter referred to as "TOWNSHIP".

WITNESSETH

WHEREAS, the DEVELOPER is the owner in fee of real property in the Township of West Orange, designated as Block 173, Lot 12 and Block 172.29, Lot 40.02, on the Assessment Maps of the TOWNSHIP, located north of Warren Road, Nance Road and Colonial Woods Drive, and;

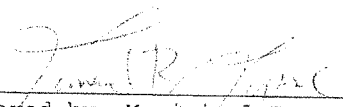
WHEREAS, the DEVELOPER submitted an application for a preliminary and final major subdivision of Block 173, Lot 12 and Block 172.29, Lot 40.02 to the Planning Board of the TOWNSHIP; and

WHEREAS, the DEVELOPER received preliminary and final major subdivision approval from the Planning Board of the Township to create a twenty seven (27) lot subdivision and said approval was memorialized by a resolution adopted by the Board on August 7, 2003, subject to certain conditions, a copy of such which is attached hereto as Schedule "A" and made a part hereof; and

WHEREAS, the DEVELOPER received subdivision approval from the Essex County Planning Board on November 12, 2002. A copy of the approval dated November 18, 2002 is attached hereto as Schedule "B", and made a part hereof; and

WHEREAS, the DEVELOPER is about to apply for a Soil Erosion and Sediment Control permit from the Hudson-Essex-Passaic Soil Conservation District; and


Approved by: Municipal Attorney
Richard D. Trenk, Esq.


Prepared by: Municipal Eng.
Leonard R. Lepore, P.E.

HEHL & HEHL OC

370 CHESTNUT STREET

UNION NJ 07083

WHEREAS, the DEVELOPER is about to apply for a Treatment Works Approval from the New Jersey Department of Environmental Protection (NJDEP); and

WHEREAS, prior to the DEVELOPER filing an application for a Treatment Works Approval with the NJDEP the consents of the Township of West Orange and the Joint Meeting of Essex and Union Counties (Joint Meeting) are required; and

WHEREAS, prior to obtaining the consent of the Joint Meeting the DEVELOPER shall enter into an Agreement with the Joint Meeting to reduce inflow and infiltration within the TOWNSHIP'S sanitary sewage collection system; and

WHEREAS, the APPLICANT received permits from the New Jersey Department of Environmental Protection for Authorization for Freshwater Wetlands Statewide General Permit, Water Quality Certification and Road Crossing; Transition Area Waiver-Special Activities; and Application for Transition Area Waiver. These approvals are attached hereto as Schedule "C" and made a part hereof; and

WHEREAS, the DEVELOPER received a permit from the New Jersey Department of Transportation for Highway Occupancy. Said permit is attached hereto as Schedule "D" and made a part hereof; and

WHEREAS, the DEVELOPER, TOWNSHIP, and Public Service Electric and Gas Company (PSE&G) entered into an Agreement entitled "Letter of Intent - Proposed Easement for Utility Crossings, Township of West Orange" for temporary and permanent access and utility easements across property of PSE&G, Block 173, Lots 2, 12.01, 13 and 14 located just south of the DEVELOPER'S property for access to existing public roads and utilities. A copy of the Agreement is attached hereto as Schedule "E" and made a part hereof; and

WHEREAS, the DEVELOPER has submitted to the office of the Township Engineer of the Township of West Orange drawings related to said subdivision. Said drawings are listed in Schedule "F" which is attached hereto and made part hereof and hereinafter there drawings shall be referred to as "Construction Plans"; and

WHEREAS, the office of the Township Engineer of the Township of West Orange has approved said plans for the installation of improvements and has made certain recommendations to the DEVELOPER regarding the development of said lands which must be complied with by the DEVELOPER as will be hereinafter set forth; and

WHEREAS, the aforementioned approvals by the Planning Board of the Township and the approval of the Township Engineer are granted subject to the performance of the terms and conditions hereinafter set forth in this Agreement, to all which the DEVELOPER agrees; and

WHEREAS, it is the purpose of this Agreement to set forth the matters agreed upon to be performed hereafter in connection with the foregoing development by the DEVELOPER.

NOW, THEREFORE, in consideration of the foregoing and of the mutual covenants hereinafter set forth, it is hereby agreed between the parties hereto as follows:

1. This major subdivision shall be known and designated as "Colonial Woods North", and the final plat(s) shall bear such designation.

2. Should the DEVELOPER desire to change the name of this development, DEVELOPER shall promptly make application to the Township Council of the TOWNSHIP for permission, and no advertising of any kind shall be allowed under the proposed new name until and unless the approval, in writing is obtained from the Township Council of the TOWNSHIP.

3. The final subdivision plat(s) to be filed in the County recording office at no cost to the TOWNSHIP and the application related thereto shall be deemed to be part of this Agreement and binding upon the DEVELOPER and shall meet the approval of the Township Engineer and Township Attorney as to which the DEVELOPER shall hereafter comply as required by the Township Engineer and Township Attorney.

3.1. The Township and the Developer recognize that all PSE&G properties are encumbered by a blanket mortgage in favor of bond holders which cannot be postponed or subordinated. Developer agrees to provide title insurance in favor of the Developer and the Township insuring the aforementioned access and utility easements without exception to the mortgage of the bond holders.

3.2. The DEVELOPER understands that no temporary, conditional or final Certificates of Occupancy will be issued for any dwelling until the Final Subdivision Map has been filed and also subject to the conditions of Paragraph 14.

3.3. The street names for the new streets within the development were assigned by the Township Engineer. The streets are named after West Orange residents killed while serving their country in the Armed Services, unless streets, where applicable, were extensions of existing streets.

4. To the extent applicable by law, this agreement shall at all times be subject to the terms of the applicable Land Subdivision Ordinances and Zoning Ordinances of the Township of West Orange, as amended and supplemented, and shall at all times be subject to all other applicable ordinances and regulations of the Township of West Orange and also the requirements of the Engineering Department, Fire Department and Construction Official of the Township.

4.1. DEVELOPER agrees to comply with the foregoing accordingly, it being intended that all the foregoing shall be in accordance with the provisions of the aforesaid Construction Plans. See Schedule "F".

5. DEVELOPER agrees to comply with the requirements for the installation and maintenance of improvements as hereinafter set forth.

5.0.1. Improvements include sanitary sewer mains, sanitary sewer service connections, sanitary sewer appurtenances, storm sewers and appurtenances, drainage inlets including water quality inlets, drainage ditches and swales including water quality swales, storm water detention and water quality basins, stream crossings, water mains and hydrants, utilities, streets, curbs, sidewalks, street and traffic signs, street lighting, monuments, fencing where required, environmental controls, landscaping and shade trees where required all in accordance the Planning Board's Resolutions of Conceptual, Preliminary and Final Approval. See Schedule "A".

5.1. Sanitary sewers shall be installed as shown on the approved plans and profiles, complete with all manholes, building connections and other appurtenances necessary to properly complete the work at no cost to the Township.

5.1.1. Sanitary sewer mains will be installed on the property and within all rights-of-way and easements in accordance with the terms and conditions specified in the New Jersey Department of Environmental Protection (NJDEP) Treatment Works Permit to be acquired by the DEVELOPER at no cost to the TOWNSHIP.

5.1.2. It is expressly understood that no construction of the sanitary sewer or appurtenances shall be permitted without the NJDEP Treatment Works Permit.

5.1.2.1. It is also expressly understood that no construction of the sanitary sewer or appurtenances shall be

permitted until such time as the Developer complies with the provisions of paragraph 3.1.

5.1.3. It is further understood that no temporary, conditional or final Certificate of Occupancy will be issued until the sanitary sewerage system as depicted on the approved Construction Plans has been installed and approved by the Township Engineer and that the conditions pertaining to the issuance of Certificates of Occupancy as contained in paragraph 14 et seq. are satisfied. The Township may require sanitary lines be inspected by a closed circuit T.V. camera pulled through the lines at the sole cost and expense of the DEVELOPER. If any breaks, settlement, misalignment, or other defects, due to inferior materials or workmanship are discovered, repairs shall be completed and the repaired section reinspected. This shall only apply to new sanitary sewer mains installed by the DEVELOPER if in the opinion of the Township Engineer the sewer mains or a portion thereof were damaged during construction.

5.1.4. The cost involved in operating and maintaining the sanitary sewer mains and appurtenances shall be borne solely by those using same until such time as the improvements are accepted by the TOWNSHIP by a resolution of the TOWNSHIP Council. The cost of operation shall include labor, materials, equipment, utilities, carrying charges, and all else necessary to properly operate and administer the sewage collection facilities, and shall be at the user's sole responsibility until acceptance by the TOWNSHIP. All house service connections from the sewer main to the residential structure will be the responsibility of the individual property owner benefiting from same.

5.2. The Storm Sewer System shall be installed as shown on the Construction Plans, and shall include catch basins, yard inlets, building drain connections, water quality inlets and water quality swales, including vegetation and plantings, storm water detention and water quality basins and appurtenances necessary to properly complete this work.

5.2.1. The storm sewer collection system will be installed on the property in accordance with the Construction Plans at no cost to the Township.

5.2.2. Precast concrete drainage structures shall be installed to the extent and in the manner required by the Township Engineer of the Township, if required by the provisions of the aforesaid Construction Plans. Said installation shall take place when called for by the Township Engineer.

5.2.3. The cost involved in operating and maintaining the storm sewer collection system, storm water detention and water quality basins, culverts and drainage swales shall be borne solely by those using same until such time as the improvements are accepted by the TOWNSHIP by resolution of the TOWNSHIP Council. Upon completion of the development by the DEVELOPER and acceptance or final approval by the TOWNSHIP, the drainage swales and storm water detention and water quality basins will be maintained by the adjoining property owners.

5.3. Curb, pavement and sidewalks shall be installed and maintained as shown on the approved plans and profiles at no cost to the Township.

5.3.1. All travelways are to be graded behind the curb at a two (2%) percent grade for a minimum distance of 10 feet for sidewalk installation in accordance with the requirements of the Township Engineer.

5.3.1.1. Sidewalks shall be installed on both sides of all streets unless a waiver is received from the Township Council. Sidewalks are to be constructed in accordance with the requirements of applicable ordinances and to the approval of the office of the Township Engineer at no cost to the Township. All sidewalk locations are as depicted on the Construction Plans.

5.3.1.2. On streets where sidewalks are to be installed, the location of catch basins at the intersections shall be at either end of the curb return or as approved on the Construction Plans.

5.3.2. Street lighting shall meet with the approval of the Township Engineer and Public Service Electric and Gas Company.

5.3.3. The maintenance of all roads, curbs and sidewalks shall be borne solely by those using same until such time as the improvements are completed and accepted by the TOWNSHIP by resolution of the TOWNSHIP Council. Upon acceptance, the Township will maintain the road, Public Service Electric the street lights and benefiting and adjoining property owners will maintain their curb and sidewalk. Payment of the costs associated with operating and maintaining street lights owned by Public Service Electric shall be in accordance with N.J.S.A. 40:55D-53.6.

5.4. The DEVELOPER shall be solely responsible for coordinating all utility installations necessary or desired for this development. The location of sub-surface utilities

installed behind the curb shall be marked on the trench backfill with utility identification warning tape and periodic surface markers.

5.5. All open areas for which no landscaping or other planting is shown shall be graded and planted to establish a satisfactory stand of grass.

5.6. Shade trees shall be installed and maintained for a period of not less than two (2) years. Trees that die shall be replaced as soon as possible within the limits of accepted horticultural practices as determined by the Township Engineer. Shade trees at fifty (50) foot intervals and located 12 feet behind the proposed street curb as shown on the landscape plan shall be installed at such locations so as not to conflict with underground utility service locations. Trees furnished shall be good quality, free from disease and injury, with a single main leader. The trees shall be wrapped, guyed, fertilized, and such other measures taken that are consistent with good horticultural practice.

5.7. Topsoil and seeding shall be installed on site on all non-landscaped, unpaved areas. The DEVELOPER shall water fertilize, and mow lawn areas as required to cultivate a strong growth of turf.

5.7.1. All lots shall be topsoiled and seeded and/or sodded prior to the issuance of a certificate of occupancy. Once a certificate of occupancy is issued and title conveyed to the homeowner, the responsibility to maintain the turf shall be the homeowner's. If weather does not permit this, then a cash bond in the maximum amount of \$2,500.00 shall be posted with the TOWNSHIP for topsoiling and seeding only.

5.8. Environmental controls shall be installed at such locations as necessary to prevent erosion in accordance with the permit to be issued by the Hudson-Essex-Passaic Soil Conservation District. The DEVELOPER shall maintain the erosion control measures during the development period.

5.9. Water service lines shall be installed as required to extend domestic service and fire protection service at no cost to the Township. The construction shall meet the minimum requirements of the New Jersey-American Water Company and the Fire Department of the Township of West Orange. Hydrants are to be located by the West Orange Fire Department.

5.9.1. No Certificate of Occupancy shall be issued in Section 2 until the water main is looped through Sections 1 and 2

from Colonial Woods Drive to Nance Road as depicted on the final subdivision map and the water main and fire hydrants are operational.

5.9.2. Except for a model home, no building permits shall be issued in either Section 1 or 2 until the water main and hydrants for that section are installed and are operational.

5.10. The DEVELOPER, at its sole cost, shall provide all the construction control necessary for the accurate location of all work to be constructed in the development. Grade sheets shall be furnished to the Township Engineer for review prior to the start of construction for each phase of the improvements.

6. All work shall conform to the standard specifications of the TOWNSHIP on file in the office of the Township Engineer or as amended by the Construction Plans to comply with the Residential Site Improvement Standards, N.J.A.C. 5-21 et seq. and this Agreement.

7. The construction of all improvements shall be completed within five (5) years from the date of this Agreement, unless the times are extended by resolution of the Township Council.

7.1. The DEVELOPER agrees to use water conservation methods to reduce the generation of waste water. This includes low water volume flush fixtures using 1.6 gallons or less of water per flush, flow restrictors in water lines, and any such other devices or procedures that will reduce the volume of waste water generation.

7.2. The owner shall furnish written authorization for the Township Engineer or his representative to inspect all sanitary sewer system fixture connections and appurtenances and storm drain system connections and appurtenances within the structures on site during regular business hours in form and content acceptable to the Municipal Attorney prior to execution of the Developer's Agreement. See Schedule "G" annexed hereto and made a part hereof.

8. The DEVELOPER, at its sole cost, shall prepare and make applications, plans, supporting documents, pay applications fees and all else necessary for the construction of all the on-site and off-site improvements for this project, as shown on the Construction Plans, see Schedule "F". All applications shall be completed and filed with the respective agency within three (3) months from the date of the within Agreement with the exception of building permits.

8.1. Inspection Fees: An escrow account shall be established to facilitate payment of engineering services performed by the TOWNSHIP. The anticipated inspection costs to install improvements are five percent of the construction cost estimate excluding rock excavation and extraordinary circumstances. In accordance with N.J.S.A. 40:55D-53h, the account may be funded in installments equal to twenty-five (25%) percent of the total anticipated amount. When the balance on deposit drops below \$500.00 or ten (10%) percent of the total anticipated inspection costs, the DEVELOPER shall deposit an additional twenty-five (25%) percent installment with the TOWNSHIP. The fund shall not be used for any permits or other payments due the TOWNSHIP. Upon completion and approval of the project, any funds remaining shall be refunded to the DEVELOPER upon written request to the Escrow Agent.

8.1.1. For rock blasting and excavations a separate escrow account will be established in accordance with N.J.S.A. 40:55D-53h to allow the Township to obtain the services for a geo-technical engineer who will be present at the development when blasting occurs. The geo-technical engineer will determine if blasting is in accordance with all regulations and permits. If the permit or regulation is violated all blasting shall cease until such time as the TOWNSHIP'S geotechnical engineer is satisfied procedures are changed to allow blasting in compliance with the permit and regulations. That amount shall be limited to five (5) percent of the construction cost estimate for rock excavation.

8.2. The DEVELOPER, at its sole cost, shall provide an "As Constructed" plan showing all deviations from the approved plan. The plan shall be prepared, signed, and sealed by a land surveyor licensed by the State of New Jersey.

8.2.1. The DEVELOPER, at its sole cost, shall provide a plan, prepared by a New Jersey licensed surveyor, drawn to a scale of one inch equals 100 feet, conforming to N.J.A.C. 13:40-5.1, with sufficient data to amend the Assessment Maps which must conform to the standards established in the publication prepared by the Department of the Treasury, Division of Taxation, Local Property and Public Utility Branch, entitled "Tax Maps", dated February, 1985. This map shall be submitted at the time the final subdivision map is submitted to the TOWNSHIP for signing.

8.2.1.1. DEVELOPER shall pay the TOWNSHIP for the cost of revising its Assessment Maps and Sanborn Insurance Maps. The

cost of these services is \$500.00 and is payable upon signing the Final Subdivision Plat by TOWNSHIP officials.

8.3. DEVELOPER, at its sole cost, will furnish to the TOWNSHIP, as required, proper metes and bounds descriptions with respect to the various easements and rights-of-way referred to or incorporated by reference herein, for drainage purposes, storm sewer and sanitary sewer easements, for on site drainage easements, for other utility easements, and for road widening as required, all in accordance with the recommendations of the Township Engineer of the TOWNSHIP, and as shown on the DEVELOPER'S approved and filed subdivision map. Within twenty (20) days after presentation to the DEVELOPER of written easements in form and content mutually satisfactory regarding the foregoing, the DEVELOPER shall execute, record in the County Hall of Records, and deliver the same to the TOWNSHIP, at no cost to the TOWNSHIP.

8.4. The DEVELOPER, at its sole cost, agrees to maintain said public improvements above recited and to correct any defects therein as determined by the Township Engineer of the TOWNSHIP for a period of two (2) years after acceptance or final approval of the improvements as hereinafter provided, in accordance with the Maintenance Bond required by Paragraph 13.3.3.

8.4.1. The DEVELOPER, at its sole cost, shall for a period of two (2) years after acceptance or final approval of the improvements as hereinafter set forth, insure that all dead trees on any right-of-way within said development shall be removed at the cost and expense of the DEVELOPER, in accordance with the Maintenance Bond required by Paragraph 13.3.3.

9. Parties hereto do hereby agree as follows with respect to drainage, grading and handling of debris as binding upon the DEVELOPER.

9.1. All springs of water emanating therefrom shall be piped to the nearest available storm sewer, drainage ditch or swale, or stream.

9.2. Water from leaders and sump pumps shall be piped to the nearest storm drains, drainage ditch or swale, or stream, to the extent feasible or as approved by the Township Engineer on the individual plot plans to be approved prior to the issuance of a building permit for that particular lot.

9.3. DEVELOPER, at its sole cost, shall insure that all areas in the said development will be properly graded and

properly drained and will in this regard comply with all reasonable instructions of the Township Engineer and/or Construction Official of the TOWNSHIP relating thereto. In this regard, it is understood that all areas shall be graded so that the finished grade slopes away from all sides of the structure at a grade of not less than three (3%) percent for a minimum distance of ten (10) feet. Land shall otherwise be graded so as to cause surface runoff to drain toward the curb and/or swales to prevent excess runoff across adjoining lands. Terraces or banks shall not have a slope greater than two to one, and all plans for retaining walls shall be subject to approval by the Construction Official of the TOWNSHIP. All retaining walls which require a permit shall be constructed of precast modular block the design of such shall be prepared by a licensed professional engineer and submitted to the TOWNSHIP'S Building Department for a permit.

9.4. DEVELOPER, at its sole cost, shall insure that no stumps, dead trees, or debris are deposited on or permitted to remain upon the land or other portions of said development, nor shall any stumps or dead trees or debris be deposited below the surface of the earth.

9.5. In the event that any drainage problem is created on adjoining properties attributable to this development, corrective measures shall be provided by DEVELOPER, at its sole cost, within the area limits of the development at such places and in such manner as the Township Engineer may reasonably direct.

9.6. DEVELOPER, at its sole cost, will remove silt deposited in the TOWNSHIP'S storm sewers, brooks and catch basins or other drainage areas resulting from the washdown of soil or debris in the course of construction. Any reasonable instruction given the DEVELOPER by the Construction Official and/or the Township Engineer with respect to preventing such washdown shall be promptly carried out by the DEVELOPER.

9.7. The DEVELOPER, or those using the same, shall be solely responsible for the maintenance of the roads within the development including the plowing and removing of snow until such time as the improvements are completed and accepted by resolution of the TOWNSHIP Council.

9.8. The DEVELOPER solely agrees to provide for an adequate area within each proposed housing unit for the storage of disposable solid waste and recyclable solid waste. Recyclable solid waste includes but is not limited to newspapers, bottles, and aluminum cans. Said areas are to meet with the approval of

the Township Health Officer and Township Engineer. Disposable solid waste and recyclable solid waste will be collected by the TOWNSHIP.

10. Parties hereto do hereby agree further with respect to the following concerning avoidance of nuisances, during construction, same to be binding upon the DEVELOPER as hereinafter stated.

10.1. DEVELOPER solely agrees that at all times during construction, they will insure that all access roads leading to the development are kept reasonably free of dirt, stones, mud, and other debris. DEVELOPER further solely agrees to provide adequate off-street parking facilities for the use of workmen and visitors and further shall provide sanitary facilities for said workmen and visitors as required during the course of construction.

10.2. There shall be no burning of debris in the development.

10.3. Any and all damage caused to the public roads which are directly attributable to the DEVELOPER during the course of construction in said development shall be the responsibility of the DEVELOPER to repair and replace as required, at their sole cost and expense. The repair and replacement shall be as directed by the Township Engineer, including location, extent, materials and time limits, and repairs deemed to be an emergency by the Township Engineer shall be corrected within two (2) hours oral notice by the Township Engineer at the DEVELOPER'S sole cost and expense. Failure to abide by the provisions of this subsection shall result in the Construction Official and/or Township Engineer issuing a Stop Work notice to remain in effect until repairs are made.

10.4. DEVELOPER solely shall bear the responsibility of insuring that all agents, servants, employees, representatives, independent contractors, and subcontractors involved in the construction of said development shall fully comply in all respects with the terms and conditions of this Agreement, all of the same to be the full responsibility of the DEVELOPER.

11. Parties hereto do hereby agree with respect to on site supervision of work hours, same to be binding upon the DEVELOPER as hereinafter stated.

11.1. DEVELOPER shall appoint a job superintendent, fluent in English, or his designated representative, whose name, home address, and telephone number shall be furnished to the

Township Engineer, Construction Official and Police Department and such job superintendent, or his designated representative, shall be on the job at all times while work is being performed herein and, if not, the job is subject to being shut by the Township Engineer or Construction Official on one (1) hour oral notice.

11.2. No work shall be performed in the development by DEVELOPER, his agents, servants, employees, representatives, independent contractors or his subcontractors between the hours of 7:00 p.m. and 7:30 a.m., Monday through Friday. On Saturday, work hours are limited to 8:00 a.m. to 7:00 p.m. No work of any kind, except sales, shall be performed by the DEVELOPER or anyone on his behalf on Sunday.

12. DEVELOPER shall make every reasonable effort to preserve shade trees presently growing in this development and will replace trees planted in accordance with the landscape plan as to any that may die within two (2) years of planting, in accordance with the Maintenance Bond required by Paragraph 13.3.3.

12.1. DEVELOPER shall obtain a tree removal permit(s) in conformance with the TOWNSHIP'S Tree Ordinance prior to the start of any construction.

12.1.1. The DEVELOPER, upon application, will initially only be granted a tree removal permit to clear rights-of-way and utility easements. Tree removal permits for each individual lot will only be granted upon submitting a plot grading and drainage plan and approval by the Township Planner of the trees to be removed on each lot. Each plot grading and drainage plan shall accurately depict all trees six inches in diameter and larger.

12.2 The DEVELOPER shall protect all trees designated by the Township Forester to remain with construction fencing approved by the TOWNSHIP and placed in accordance with acceptable horticultural standards.

13. The parties do further agree with respect to the issuance of building permits and the commencement of building construction, same to be binding upon the DEVELOPER as hereinafter stated:

13.1. The issuance of any building permits shall be deferred until final subdivision plat(s) has been signed and filed with the Essex County Register, the NJDEP has issued a Sanitary Sewer Construction Permit, the DEVELOPER has acquired access and utility easements across the property of PSE&G in

favor of the TOWNSHIP, the Hudson Essex Passaic Soil Conservation District has issued a permit for Soil Erosion and Sediment Control and the Township Forester, has issued a Tree Removal Permit.

13.1.1. The commencement of building construction shall be deferred until all Soil Erosion and Sediment Control measures are installed as per the approved plan and certified as functional by the Township Engineer.

13.2. Building permits in this tract shall be issued on application of the DEVELOPER only or its successor in title.

13.3. Within 120 days of the date of execution of the Agreement or a building permit or permits are applied for with an exception for a model, whichever occurs first, the DEVELOPER shall deposit the amounts tabulated on the quantity take-off for Section 1 of the development, a copy of which is attached hereto as Schedule "H" and made a part hereof, as security for the performance of the unfinished matters contained in the Agreement that remain to be performed. For Section 2, the bond shall be deposited upon the application for a building permit in that section or within five years of the date of execution of this Agreement, which ever occurs first, unless the time is extended by resolution of the Township Council.

13.3.1. A deposit in cash or certified check, payable to the TOWNSHIP, with the Township Treasurer, in the maximum amount as specified in Schedule "H" or such lesser amount as agreed to by the Township Engineer, based upon the actual work completed by the DEVELOPER.

13.3.2. Delivery of a surety bond in a form acceptable to the Township Attorney and executed by a surety corporation authorized to do business in the State of New Jersey, or a Letter of Credit issued by a Bank authorized to do and currently doing business in New Jersey with a specified branch office within a 50-mile radius of West Orange to which a sight draft can be presented to draw upon the Letter of Credit and acceptable to the Township Attorney and acceptable to the TOWNSHIP in the maximum amount as specified in Schedule "H" or such lesser amount as agreed to by the Township Engineer based upon the actual work completed by the DEVELOPER.

13.3.3. Upon completion of the entire work by section provided herein, as certified by the Township Engineer in writing, the TOWNSHIP shall discharge the surety bond referred to above and shall return to the DEVELOPER all of the cash deposit

held by the Township Treasurer as above referred to, at which time the DEVELOPER shall post a maintenance guarantee in the amount specified in Schedule "H", in the form of a surety bond acceptable to the Township Attorney, to be retained by the TOWNSHIP for a period of two (2) years from the date of acceptance or final approval of said work, conditioned for the maintenance by the DEVELOPER of the aforementioned improvements and the correction of any defective work or omission of work for a period of two (2) years from the date of acceptance or final approval of said work, and to also secure the obligation of the DEVELOPER to remove any trees along the right-of-ways involved which may die within two (2) years and to otherwise perform that which is directed by the Township Engineer to be performed or corrected or replaced in connection with the development, or any portion thereof, during the two (2) year period above referred to. Upon the termination of the two (2) year period and provided the DEVELOPER fully discharges all of his obligations with respect to the foregoing and upon written certification by the Township Engineer of his satisfaction with the foregoing, the maintenance guarantee surety bond will be discharged.

14. Parties hereto do hereby further agree with respect to the issuance of Certificates of Occupancy for the structures to be erected in this development, same to be binding upon the DEVELOPER as hereinafter stated.

14.1. It is understood that no one, and/or no entity, will be permitted to occupy any unit which is the subject matter of this Agreement, unless and until all final governmental approvals and Certificates of Occupancy, have been issued by the appropriate governmental agencies and/or the TOWNSHIP. A violation of this section shall be construed as a breach of the within Agreement and DEVELOPER shall become responsible for any and all costs incurred by the TOWNSHIP in enforcing and maintaining the integrity of the within Agreement, including all reasonable attorney's fees, reimbursement for TOWNSHIP officials' salaries, court costs, etc., without limitation.

14.2. Such Certificates of Occupancy shall not be issued until the Township Engineer is satisfied that the roads have been maintained to the point where the stabilized base course is level, that said roads have been kept swept of dirt, dust and debris, and have been certified as then being functionally usable by the Township Engineer or his representative.

14.3. The issuance of Certificates of Occupancy shall not relieve DEVELOPER from completely performing all of the work remaining to be done pursuant to this Agreement, and said work shall be properly completed upon receipt of notice to that effect from the Township Engineer, the Construction Official, or their respective representatives.

14.4. In particular, it is specifically understood and agreed that prior to the issuance of temporary, conditional or final Certificates of Occupancy with respect to the structures involved herein, all improvements shall have been installed, excepting sidewalks, topping of the roads, and planting of shade trees and any other improvements which the Township Engineer expressly agrees may be deferred.

15. DEVELOPER further covenants that they will repair, when so notified by the Township Engineer, in a good and workmanlike manner, at their sole cost and expense, under the supervision of the Township Engineer and to his satisfaction, all faulty construction of roads, curbs, and other items agreed to be performed hereunder, and including, but not limited to any damages done to any public street in the TOWNSHIP by the use thereof by vehicles servicing the development for a period of five (5) years from the date of official acceptance or final approval by the TOWNSHIP.

16. In the event the DEVELOPER shall determine to sell or dispose of the lands involved herein or any portion thereof, upon which a Certificate of Occupancy has not been issued, then and in that event, the DEVELOPER shall have the right to assign all of the obligation of this AGREEMENT and the successor in title shall assume and agree to perform all of the obligations recited therein. In addition, said DEVELOPER will promptly notify the TOWNSHIP in writing of the proposed sale and of the date when title is to close with respect thereto, such notice to be sent to the Township Engineer and Township Attorney of the TOWNSHIP. Acceptance by the TOWNSHIP of an assumption agreement made pursuant to the provisions of this paragraph shall require the posting of performance guarantees as previously described by the assuming Developer. Upon acceptance of the performance guarantees from the assuming Developer, the DEVELOPER shall be released from their obligations hereunder. It is understood that the costs of the preparation and recordation of an assumption agreement as above referenced to shall be paid for by the DEVELOPER.

16.1. Developer may sell or dispose of individual lots in a section without an assumption agreement as specified in paragraph 16 provided all improvements are installed in that section except for final road surface course, sidewalks, shade trees and monuments.

17. DEVELOPER agrees to indemnify the TOWNSHIP, their agents, servants, employees, or representatives and to save them harmless from any damages, claims, demands, or suits of any kind or liability of any kind arising out of the performance hereunder by DEVELOPER, their agents, servants, employees, representatives, and subcontractors, in the course of any work done in connection with any of the matters set forth in this Agreement. Further, the DEVELOPER shall carry and maintain during the terms of this Agreement, until all of the work herein provided for is fully completed, liability insurance, including completed operations coverage, covering all of the development and all work, and all vehicles involved herein wherein the TOWNSHIP is named as an additional insured in a sum of not less than \$2,000,000.00. Prior to any work being commenced hereunder, a certificate evidencing such insurance and proof of payment of the premium for same shall be delivered to the Township Engineer.

18. TOWNSHIP agrees to process all applications submitted hereunder in a reasonable timely manner provided all applications are fully complete with all supporting documents and application fees paid.

19. It is understood that all construction to be completed and performed hereunder by the DEVELOPER shall conform to the specifications and regulations of the applicable building codes and ordinances of the TOWNSHIP and shall be in accordance with the requirements and instructions of the Township Engineer as required by the provisions of the Construction Plans to be filed hereunder.

20. DEVELOPER agrees to perform as part of the completion of the development herein, all of the requirements set forth in the attached resolutions of the Planning Board; see Schedule "A", as the same shall be approved by the Township Engineer.

21. The subdivision map and construction plans as previously submitted by the DEVELOPER and above referred to may be modified hereafter as required by the Township Engineer of the TOWNSHIP, and in order to fully comply with the requirements of

the Planning Board of the TOWNSHIP, as is evidenced by the resolutions passed by the Planning Board. See Schedule "A".

22. DEVELOPER agrees to obtain all necessary approvals from the New Jersey Department of Environmental Protection with respect to the sanitary sewer extension above referred, together with any other approvals required from any other State agency that may be involved in connection with the completion of this development, which said development shall be completed in accordance with all applicable ordinances of the TOWNSHIP, and to the satisfaction of the Township Engineer and Township Attorney.

23. The DEVELOPER agrees to pay to the TOWNSHIP fees associated with off tract sanitary sewer improvements. The fees shall be paid on a unit basis and are due prior to the issuance of a certificate of occupancy for any unit. The fees are as follows: \$2,700 per unit for the South Mountain Relief Sewer, \$1,000 per unit for improvements to the King Road Pump Station and \$500 per unit for improvement to the Township's westerly interceptor sewer.

24. The DEVELOPER agrees to pay the Township the Development Fee for low and moderate income housing with the fee and payment schedule in accordance with the applicable Ordinance.

25. Wherever and whenever the consent or approval of the TOWNSHIP is required, such consent and approval shall not be unreasonably withheld or delayed provided all necessary plans, documents, applications and fees attendant to said consent and approval are submitted in a timely fashion by the DEVELOPER and are in proper form and content.

26. Any and all Deeds generated by the development or sale of this property in its entirety or the individual lots created by this subdivision shall incorporate this Developer's Agreement by reference. Such reference shall include the date of the Agreement, the filing date with the County Register and the filed book and page numbers.

26.1. All Deeds of Conveyance shall state the obligation of the abutting property owners to maintain in perpetuity all storm water detention and water quality basins upon which the storm water and water quality basins lay.

26.2. The Developer, its successors and assigns, acknowledge that Lot 22.01, the detention basin lot, is Deed Restricted to prevent further subdivision and that a portion of it where the detention basin, Block 173, Lot 12.13 is located is

reserved for drainage purposes. This restriction shall be placed in all Deeds of Conveyance.

27. Innumerable paragraphs of the within agreement, including but not limited to paragraphs 5.2.4, 5.3.3, 5.4.3 and 9.7 make reference to the DEVELOPER, and/or those enjoying the beneficial use of those paragraphs incurring certain costs attendant to what is contemplated, either in those particular paragraphs and elsewhere throughout the Agreement. What is contemplated is that these costs will, under no circumstances, be borne by the Township of West Orange, and should the DEVELOPER, their successors or assigns, or those enjoying the beneficial use of the benefits referred to herein, fail and/or refuse to comply with that which is contemplated in this Agreement, the Township of West Orange may impose a special assessment and/or tax in a pro rata fashion on the DEVELOPER and/or its successors or assigns or those then in title for the expenditures incurred, including, but not limited to engineering, planning, zoning, code enforcement/construction official and legal.

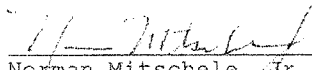
28. It is understood that the effective date of this agreement shall be the date of full execution and delivery thereof by and between the parties hereto.

29. DEVELOPER shall be solely responsible for any and all costs attendant to the recordation and/or filing of the within agreement, its amendments and supplements, and authorizes the TOWNSHIP to deduct monies on deposit sufficient to cover same.

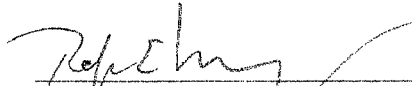
30. This agreement shall be binding upon the respective heirs, executors, successors, administrators and assigns of the parties hereto.

IN WITNESS WHEREOF, the parties hereto have caused these presents to be signed by their proper corporate officers and caused their proper corporate seals to be affixed hereto the day and year first written above.

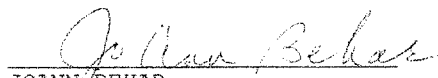
ATTEST:


Norman Mitschele, Jr.
Member

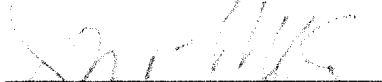
COLONIAL WOODS, L.L.C.


Ralph Mitschele, Jr.
Managing Member

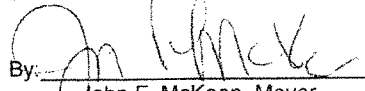
ATTEST:


JOANN BEHAR,
DEPUTY MUNICIPAL CLERK

TOWNSHIP OF WEST ORANGE


JOHN F. MCKEON, MAYOR

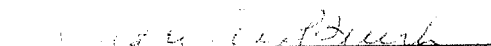
TOWNSHIP OF WEST ORANGE

By: 
John F. McKeon, Mayor

STATE OF NEW JERSEY)
) SS:
COUNTY OF ESSEX)

On February 12, 2009, before me came **JOHN F. McKEON, MAYOR**, known to me to be the individual in and who executed the foregoing, and duly acknowledged to me that he executed the same as his voluntary act and deed.

SUBSCRIBED AND SWORN to before me
this 16 day of February, 2009.


NOTARY PUBLIC

BERNARD P. QUINN
Notary Public
New Jersey

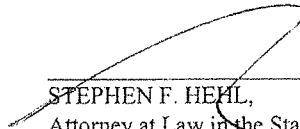
STATE OF NEW JERSEY
COUNTY OF ESSEX

SS:

I certify that on February 24, 2009, Ralph Mitschele, Jr. and Norman Mitschele, Jr., Members of Colonial Woods, L.L.C., personally came before me and acknowledged under oath, to my satisfaction, that this person (or if more than one, each person):

- (a) is named in and personal signed this Developer's Agreement;
- (b) signed, sealed and delivered this Developer's Agreement as his or her act and deed;
- (c) is authorized to and did execute this Developer's Agreement as Members of Colonial Woods, L.L.C., the entity named in this Developer's Agreement;
- (d) executed this Developer's Agreement as the act of the entity named in this Developer's Agreement.

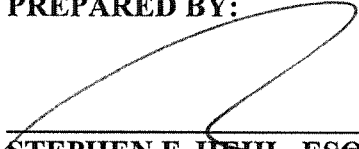
Subscribed and Sworn to before
me this 24th day of February, 2009.



STEPHEN F. HEHL,
Attorney at Law in the State of New Jersey

ATTACHMENT “B”

PREPARED BY:


STEPHEN F. HEHL, ESQ.

AMENDMENT TO DEVELOPER'S AGREEMENT

THIS AGREEMENT, made this 25 day of March 2014, by COLONIAL WOODS, L.L.C., (the "Developer") having its principal place of business at 184 South Livingston Avenue, Suite 11, Livingston, NJ 07039 and THE TOWNSHIP OF WEST ORANGE, having its principal place of business at 66 Main Street, West Orange, NJ 07052 (the "Township") and RNC DEVELOPERS INC., having its principal place of business at 184 South Livingston Avenue, Suite 11, Livingston, NJ 07039 (the "Successor in Title").

WITNESSETH

WHEREAS, the Developer and Township entered into a Developer's Agreement ("Agreement") dated February 10, 2009 in connection with a 27-lot subdivision which Agreement is annexed hereto as "Exhibit A," the scope of which relates to construction and development work in and around Block 173, Lot 12 and Block 172.29, Lot 40.02 on the Tax Map of the Township, now known as Block 173, Lots 12.02-12.27 and Block 172.29, Lot 40.03 also known as the area located north of Warren Road, and the extension of Nance Road and Colonial Woods Drive. "The project is known as the Colonial Woods North" (the "Project"); and

WHEREAS, the parties hereto have agreed to enter into this Amendment to Developer's Agreement ("Amendment"); and

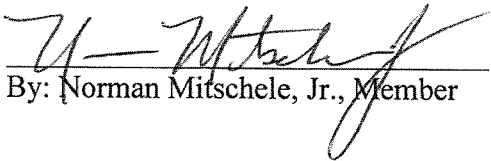
WHEREAS, the Developer and Successor in Title have requested that the Township Council for the Township authorize an extension of the time period for completion of construction set forth in Paragraph 7 of the aforementioned Agreement to December 31, 2017; and

WHEREAS, Developer is assigning all of the obligations of this Agreement to the Successor in Title and the Successor in Title has agreed to assume all obligations of this Agreement pursuant to paragraph 16 of the aforementioned Agreement;

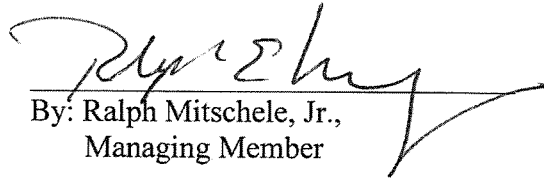
NOW THEREFORE, in consideration of the foregoing and of the mutual covenants hereinafter set forth, it is hereby agreed between the parties hereto as follows:

1. The time periods for completion of construction of all improvements contemplated under the Developer's Agreement as set forth in paragraph 7 of the Agreement is hereby extended until December 31, 2017.
2. Pursuant to Paragraph 16 of the Agreement, Developer hereby assigns all obligations of the Agreement to the Successor in Title and Successor in Title agrees to assume and further agrees to perform all of the obligations recited in the Agreement. Furthermore, the Township hereby acknowledges said assignment and assumption and agrees to release the Developer from any further responsibility under the Agreement upon transfer of title from the Developer to the Successor in Title. This Amendment and assignment shall not be deemed a waiver of the Township's rights to enforce the provisions of this Agreement against any party in connection with their obligations hereunder.
3. With regard to Section I of the Project, a bond shall not be required to be posted in connection with the development of said Section I until one of the following events takes place: (i) two (2) years elapses from the commencement of the physical site improvements on the site for Section I, with "commencement" being defined herein as the start of the clearing of the Property by the tree contractor; or (ii) application by the Developer or Successor in Title for a building permit for a house construction on any Lot in Section I, other than for construction of the model home located on Block 172.29, Lot 40.03.
4. With regard to Section II of the Project, a bond shall not be required to be posted until one of the following events takes place: (i) two (2) years elapses from the commencement of the physical site improvements on the site for Section II; or (ii) application by the Developer or Successor in Title for a building permit for a house construction on any Lot in Section II.
5. All other terms and conditions of the aforementioned Agreement shall remain in full force and effect unless specifically amended by this Amendment.

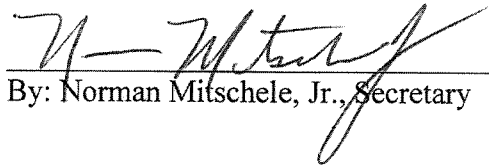
Witness/Attest


By: Norman Mitschele, Jr., Member

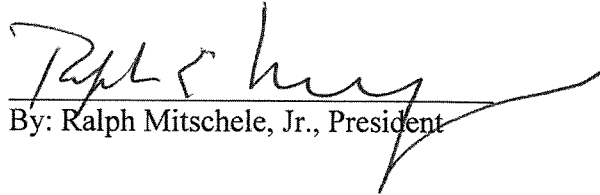
Colonial Woods, L.L.C.

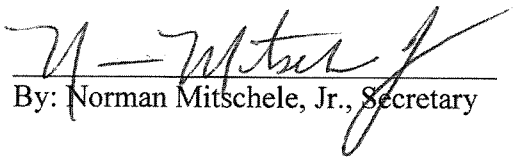

By: Ralph Mitschele, Jr.,
Managing Member

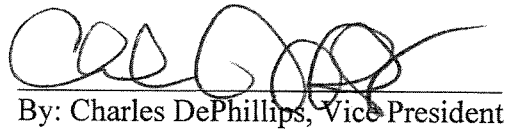
Witness/Attest


By: Norman Mitschele, Jr., Secretary

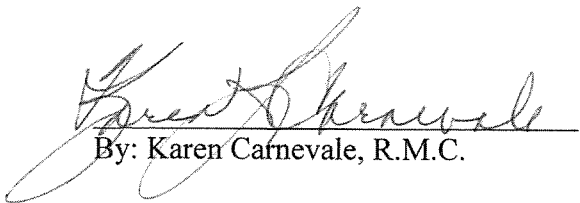
RNC Developers, Inc.


By: Ralph Mitschele, Jr., President

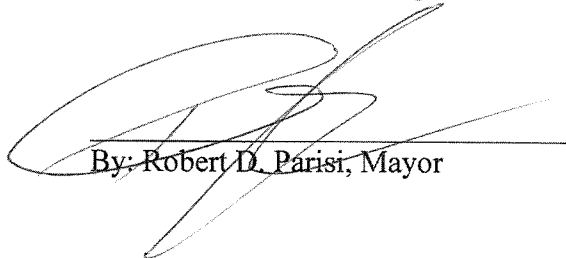

By: Norman Mitschele, Jr., Secretary


By: Charles DePhillips, Vice President

Witness/Attest


By: Karen Carnevale, R.M.C.

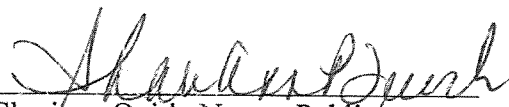
Township of West Orange


By: Robert D. Parisi, Mayor

STATE OF NEW JERSEY)
COUNTY OF ESSEX) SS.:

I certify that on April 4, 2014, 2014, Robert D. Parisi, Mayor, personally came before and acknowledged under oath to my satisfaction that he executed the same as his voluntary act and deed.

- (a) This person is the Mayor of the Township of West Orange, the municipality named in this Amendment to Agreement;
- (b) Karen Carnevale, R.M.C., is the attesting witness to the signing of this Amendment by the proper municipal representative who is Robert D. Parisi, Mayor;
- (c) This Agreement was authorized by a Resolution of the Township Council of West Orange;
- (d) This person knows that the proper seal of the municipality was affixed to this Amendment; and
- (e) this person signed this proof to attest to the truth of these facts.


Shariann Quirk, Notary Public

SHARIANN P. QUIRK
Notary Public of New Jersey
My Commission Expires on 4/13/2015

STATE OF NEW JERSEY)
COUNTY OF UNION) SS.:

I CERTIFY that on March 31, 2014, Ralph Mitschele, Jr., Member of Colonial Woods, L.L.C., personally came before me and acknowledged under oath, to my satisfaction, that this person:

- (a) is named in and personally signed this Amendment to Developer's Agreement;
- (b) signed, sealed and delivered this instrument as his or her act and deed;
- (c) is authorized to execute this instrument as Managing Member of Colonial Woods, L.L.C, the entity named in this instrument;
- (d) executed this Amendment to Developer's Agreement as the act of the entity named in this Amendment to Developer's Agreement.


ANITA LYNN JAMES, ESQ.
Attorney at Law in the State of New Jersey

STATE OF NEW JERSEY)

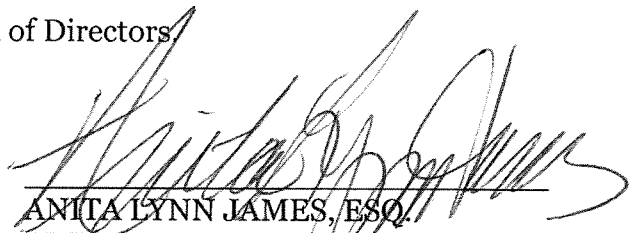
SS.:

COUNTY OF UNION)

I certify that on March 31st, 2014, Ralph Mitschele, Jr. and Charles DePhillips personally came before me and these persons acknowledged under oath, to my satisfaction, that:

(a) these persons signed, sealed and delivered the attached document as President and Vice President, respectively, of RNC Developers Inc., the corporation named in this document;

(b) this document was signed and made by the corporation as its voluntary act and deed by virtue of authority from its Board of Directors


ANITA LYNN JAMES, ESQ.
ATTORNEY AT LAW OF THE STATE
OF NEW JERSEY

120-15
April 28, 2015

RESOLUTION AUTHORIZING THE COLLECTOR OF TAXES TO REBATE
PAYMENT TO THE LISTED TAXPAYER PURSUANT TO FINAL JUDGMENT BY
THE TAX COURT OF NEW JERSEY

WHEREAS, final judgment on tax appeals has been rendered by the Tax Court of New Jersey on the petitions of the taxpayers listed on the attached schedule reducing the assessment for the years stated;

WHEREAS, such judgment by merit of N.J.S.A. 54:3-27.2 shall be conclusive and binding upon the municipal assessor and taxing district;

NOW, THEREFORE BE IT RESOLVED by the West Orange Township Council that the Collector of Taxes and Treasurer of West Orange, be and they are hereby authorized, empowered and directed to cause to be paid or applied to the said taxpayers the sums in full and final satisfaction to tax rebates due:

LIST ATTACHED

Karen J. Carnevale
Municipal Clerk

Jerry Guarino
Council President

Adopted: April 28, 2015

I hereby certify funds are available from: _____
Account No./Amount

John Gross, Chief Financial Officer

**TAX COURT JUDGMENT
RESOLUTION 120 -15**

TAX YEAR	DATE	BLOCK	LOT	QUAL	OLD VALUE	NEW VALUE	DIFFERENCE	TX RATE	REFUND AMOUNT
2012	3/27/2015	6	58		239800	200000	39800	0.03544	\$1,410.51
2012	3/27/2015	6	57		723400	623400	100000	0.03544	\$3,544.00
2013	3/27/2015	122	42		514000	450000	64000	0.03648	\$2,334.72
2014	3/27/2015	122	42		514000	450000	64000	0.03742	\$2,394.88
2013	3/27/2015	119	2		408500	375000	33500	0.03648	\$1,222.08
2014	3/27/2015	119	2		408500	375000	33500	0.03742	\$1,253.57
2013	3/13/2015	155.22	42.01	C0103	390700	375000	15700	0.03648	\$572.74
2014	3/13/2015	155.22	42.01	C0103	390700	375000	15700	0.03742	\$587.49
2011	3/13/2015	166.15	7		8111100	7000000	1111100	0.03481	\$38,677.39
2012	3/13/2015	166.15	7		8111100	7000000	1111100	0.03544	\$39,377.38
2014	3/13/2015	166.15	7		8111100	6500000	1611100	0.03742	\$60,287.36
2013	3/13/2015	166.15	7		8111100	6750000	1361100	0.03648	\$49,652.93
2014	3/6/2015	111	1.01		5400000	5000000	400000	0.03742	\$14,968.00
2013	3/20/2015	118	54.02		481000	400000	81000	0.03648	\$2,954.88
2013	3/20/2015	118	69.01		260500	200000	60500	0.03648	\$2,207.04
								TOTAL	\$221,444.98

RESOLUTION

WHEREAS, the following charitable organization(s) have applied for a Raffle License which raffle is to be conducted within the Township of West Orange,

NOW THEREFORE, BE IT RESOLVED by the Township Council of *the Township of West Orange, that the Municipal Clerk is hereby authorized to* issue a license to conduct a raffle by the following organization (s) at the place (s) and time(s) set opposite their respective name(s):

<u>Organization</u>	<u>Date of Event</u>	<u>Place</u>	<u>RL #</u>
The Foundation at NJIT Off Premise 50/50	November 13, 2015	757 Eagle Rock Ave.	7189
Community Health Law Project Off Premise Merchandise	October 22, 2015	350 Pleasant Valley Way	7190
Daughters of Israel Tricky Tray	May 18, 2015	25 Prospect Avenue	7191
Jersey Battered Women's Svc., Inc. Tricky Tray	May 18, 2015	757 Eagle Rock Ave.	7192
John P. Renna Tenants Assoc. Bingo	May 2015- December 2015	10 Gaston Street	7193
Mountaineer End Zone Club, Inc. On Premise 50/50	May 14, 2015	51 Conforti Avenue	7194

Karen J. Carnevale, Municipal Clerk

Jerry Guarino, Council President

Adopted: April 28, 2015

RESOLUTION

WHEREAS, on Tuesday, April 14, 2015, the Township Council passed Resolution 115-15 whereby it approved the execution of a Land Lease Agreement with New York SMSA Limited Partnership d/b/a Verizon Wireless (“Verizon”) to utilize the 125 foot stealth tree telecommunications monopole (the “Monopole”) at the West Orange Woodlands Fire House located at 280 Pleasant Valley Way, Block 152.07, Lot 1 within the Township of West Orange as a co-tenant utilizing the Monopole; and

WHEREAS pursuant to the terms of the original Ground Lease Agreement with Sprint Spectrum, LP that governs the addition of co-tenants utilizing the Monopole, any new co-tenants must execute a Co-Location agreement with Sprint Spectrum, LP subject to approval and execution by the Township; and

WHEREAS Verizon and Sprint Spectrum, LP and negotiated and agreed to terms for a co-location agreement (the “Co-Location Agreement”) annexed hereto as Attachment “**A**,” and

WHEREAS the Co-Location agreement states that Verizon and Sprint shall remain primarily liable for their respective obligations under their respective Land Lease Agreements; and

WHEREAS the Co-Location agreement does not create any new or additional obligations for the Township of West Orange beyond the terms and conditions within the Ground Lease Agreement with Sprint Spectrum, LP and the Land Lease Agreement with Verizon; and

NOW, BE IT HEREBY RESOLVED BY THE TOWNSHIP COUNCIL OF THE TOWNSHIP OF WEST ORANGE, that the Mayor shall be and hereby is authorized to execute the Co-Location Agreement annexed hereto as Attachment “**A**”, and the Municipal Clerk shall be and hereby is authorized to attest to the Mayor’s signature; and

BE IT FURTHER RESOLVED, that the original fully executed copy of the Co-Location Agreement shall be maintained by the Municipal Clerk.

Karen J. Carnevale
Municipal Clerk

Jerry Guarino
Council President

Adopted: April 28, 2015

Attachment “A”

CO-LOCATION AGREEMENT

This Co-Location Agreement is being entered into on this ____ day of _____, 2015, by New York SMSA Limited Partnership,, d/b/a Verizon Wireless (“Co-Tenant”) with its principal office located at One Verizon Way, Mail Stop 4AW100, Basking Ridge, New Jersey 07920 (Telephone number 866-862-4404) and Sprint Spectrum Realty Company, L.P., a Delaware limited partnership (“Sprint”), successor in interest to Sprint Spectrum L.P., having an address at Sprint Property Services, Mailstop KSOPHT0101-Z2650, 6391 Sprint Parkway, Overland Park, Kansas 66251-2650, and the Site owner, the Township of West Orange, a municipal corporation organized and existing under and by virtue of the laws of the State of New Jersey, located in the County of Essex, State of New Jersey (“Township”).

WHEREAS, Township owns the property located at 280 Pleasant Valley Way (West Orange Fire Station), West Orange, Block 152.07, Lot 1 on the Township of West Orange Tax Map, consisting of approximately 2,010 square feet and leases it to Sprint under a Ground Lease Agreement for the purpose of constructing, managing and owning a wireless telecommunications facility including a 125 foot stealth tree monopole Antenna Site (“Antenna Site”).

WHEREAS, Sprint was the successful bidder with the Township for the right to construct, manage and own wireless telecommunication facilities, including, without limitation, antenna equipment, cable wiring, and related fixtures at the Antenna Site; and

WHEREAS, Co-Tenant has entered into a separate Land Lease Agreement with the Township, with the consent of Sprint, regarding its use of the Antenna Site; and

WHEREAS, this Agreement addresses certain obligations among Co-Tenant, the Township and Sprint under the Land Lease Agreement.

NOW THEREFORE, the parties to this agreement agree as follows:

1. Antenna Site Obligations

- (a) Sprint and Co-Tenant shall be responsible for 100% of the costs and expenses associated with their equipment or other items used for the exclusive benefit of Co-Tenant or Sprint, respectively.

(b) Sprint shall be responsible for the removal of its Antenna or any associated parts thereof and restoration of the Antenna Site. Co-Tenant is responsible for removing all its equipment at the end of its lease.

(c) Notwithstanding the foregoing provisions of this paragraph, if any cost or expense hereunder arises from negligence or intentional misconduct of Co-Tenant or Sprint or their respective employers, agents or representatives, Co-Tenant or Sprint shall be responsible for its share of such costs and expenses in proportion to the comparative responsibility of Co-Tenant or Sprint.

2. **Co-Tenants**

(a) Sprint has the right to have the Antenna Site leased by the Township to subsequent Co-Tenants as space allows. However, rent agreements are between the Township of West Orange and any Co-Tenants. The Township has the sole right to negotiate the rent. For purposes hereof, the effective date of a Co-Tenant's obligations hereunder shall commence on the commencement date under each Co-Tenant's Land Lease Agreement ("Effective Date").

(b) Prior to utilization by any subsequent Co-Tenant of the Antenna Site for the provision of wireless telecommunications services, such subsequent Co-Tenant shall sign an agreement which shall (i) be in form reasonably determined by Sprint, (ii) 100% of the rent is to be paid to the Township of West Orange, and (iii) require Co-Tenants to agree to share the site development costs with Sprint, as specified in Paragraph 2(c) herein.

(c) The Co-Tenant shall pay, prior to installation of its equipment at the Antenna Site, a one-time payment of \$91,492.48 , as reimbursement to Sprint, which has been determined to be the amount equal to its pro-rata share of construction costs, based upon the numbers of users (i.e.) the Co-Tenant(s) and Sprint of the following costs and expenses ("Pro Rate Reimbursement Payment") :

(i) Development, design and construction of the Antenna Site and Antenna, including, but not limited to, equipment, utility connections, access road improvement, security fence, shelter buildings, and other items to be constructed, installed or improved to bring about the full use of the Antenna and Antenna Site (collectively "Initial Costs").

(ii) Sprint's reasonably estimated structure removal and site restoration costs to be incurred at the end of Sprint's term.

(iii) The Co-Tenant shall pay annually, at the end of each calendar year, as reimbursement to Sprint, an amount equal to its pro rata share of the following costs and expenses: maintenance and repair of the Antenna and Antenna Site, as reasonably determined by Sprint; any increase in real property taxes attributed solely to any improvements to the Antenna Site made by Sprint, or by Co-Tenant (or by any other Co-

tenant, sub-tenant, or other user of the Antenna or Antenna Site); and any personal property taxes assessed upon, or arising from use of, the Antenna or Antenna Site; any other taxes payable by either pursuant to the Land Lease Agreement, provided, however, that if Sprint determines, in its reasonable discretion, that it would be inequitable and result in a material, disproportionate financial burden on any user of the Antenna or Antenna Site to allocate such taxes on a pro rata basis, based upon the number of users (for example, due to Co-Tenant's facilities on the Antenna Site having disproportionately high value in comparison to the other facilities installed on the Antenna, or due to such personal property taxes being separately billed to, and payable by, the various users of the Antenna Site), then Sprint shall, in its reasonable discretion, determine a more equitable means of pro ration of such taxes.

3. **Division and Sharing of Rent** Co-Tenant and any subsequent co-tenant (or sub-tenant) shall pay rent to the Township of West Orange. Co-Tenants shall pay no rent to Sprint.

4. **Indemnification** Co-Tenant and Sprint shall defend, indemnify and hold harmless the other and the Township of West Orange for any claim, costs or expenses (including reasonable attorney's fees) resulting from the breach of Co-Tenant or Sprint's obligations or failure to perform as required thereunder. Notwithstanding the foregoing, no co-tenant shall be liable for consequential or incidental damages or lost profits.

5. **Township Use of Antenna** Users affiliated with the Township of West Orange have the right to use, without cost or expense to the Township (or a user such as the Fire Department), the Antenna sidearm specifically installed for its use by Sprint.

6. **Interference** When Co-Tenant installs its communications equipment, including antennas, it shall reasonably cooperate with Sprint and any other prior existing Co-tenants. Moreover, Co-Tenant's communications equipment, including antennas, shall be installed at the Antenna Site and on the Antenna in a manner that avoids and/or substantially and materially minimizes or eliminates any interference to Sprint and other prior existing Co-tenants. Sprint and Co-Tenant acknowledge that they are subject to the rules, regulations, directives, and policies of the Federal Communication Commission concerning interference and agree to abide by it. In no event shall interference between Co-Tenant and other Co-tenants and/or Sprint or efforts to cure same delay or stay the obligation of Co-Tenant to make timely rental payments to the Township.

7. **Liability** Notwithstanding the terms hereof, Co-Tenant and Sprint shall remain primarily liable for their respective obligations under their respective Land Lease Agreements.

8. **Default** Failure by Co-Tenant and/or Sprint to comply with the terms of this Agreement shall not be a basis for default under the applicable Land Lease Agreement of Co-Tenant or Sprint with the Township unless such default has an adverse effect on the Township and its operation.

9. **Counterparts** This Agreement may be executed in several counterparts, all of which, when so executed, shall constitute one Agreement.

10. **Governing Law** This Agreement shall be governed by and interpreted under the laws of the State of New Jersey.

11. **Notices** All notices and other communications required or permitted to be given under this Agreement shall be either delivered by hand, mailed postage prepared by and certified or registered mail, return receipt requested, delivered by a nationally recognized overnight courier, (such as Federal Express), or sent by confirmed facsimile transmission. Such notices and other communications shall be deemed given when delivered to the intended addressee. Rejection or other refusal to accept a notice or other communication, or the inability to deliver same because of a changed address, of which no notice was given, shall be deemed to be receipt of the notice or other communication. All notices and other communications shall be addressed as follows:

If to Township:

Township of West Orange
66 Main Street
West Orange, NJ 07052
Telephone: 973-325-4050
Fax: 973-736-8380
Attn: Township Administrator

With a Copy to:

Trenk, DiPasquale, Della Fera, & Sodono, P.C.
347 Mount Pleasant Ave, Suite 300
West Orange, NJ 07052
Telephone: 973-243-8600
Fax: 973-243-8677
Attn: Mark Y. Moon, Esq.

If to Sprint:

Sprint Property Services
Mailstop KSOPHT0101-Z2650
6391 Sprint Parkway
Overland Park, KS 66251-2650

With a Mandatory Copy to:

Sprint Law Department
Mailstop KSOPHT0101-Z2020
6391 Sprint Parkway
Overland Park, KS 66251-2020
Attn: Real Estate Attorney

If to Co-Tenant:

New York SMSA Limited Partnership

d/b/a Verizon Wireless
180 Washington Valley Road
Bedminster, NJ 07921

Verizon Co-Development Agreement

Site Address: West Orange, NJ

Page 4 of 5

Attn: Network Real Estate

IN WITNESS THEREOF, the parties hereto have set their hands and affixed their respective seals the day and year first above written.

TOWNSHIP OF WEST ORANGE

ATTEST:

By:_____

By:_____

The Honorable Mayor Robert D. Parisi

Clerk, Township of West Orange

66 Main St., West Orange, NJ 07052

66 Main St., West Orange, NJ 07085

SPRINT SPECTRUM REALTY COMPANY, L.P., ATTEST:

a Delaware limited partnership

By:_____

By:_____

Name:

Name:

Title:

Title

ATTEST:

**NEW YORK SMSA LIMITED
PARTNERSHIP**

d/b/a VERIZON WIRELESS,

By:_____

By: Cellco Partnership, its General Partner

Name:

By:_____

Title:

Name: David R. Heverling

Title: Area Vice President Network

RESOLUTION

WHEREAS, Essex County (the “County”) has exposure to natural hazards that increase the risk to life, property, environment and the County’s economy; and

WHEREAS, pro-active mitigation of known hazards before a disaster event can reduce or eliminate long-term risk to life and property; and

WHEREAS, The Disaster Mitigation Act of 2000 (Public Law 106-390) established new requirements for pre- and post- disaster hazard mitigation programs; and

WHEREAS, a coalition of County jurisdictions with like planning objectives has been formed to pool resources and create consistent mitigation strategies within the County (the “Coalition”); and

WHEREAS, the Coalition has completed a planning process that engages the public, assesses the risk and vulnerability to the impacts of natural hazards, develops a mitigation strategy consistent with a set of uniform goals and objectives, and creates a plan for implementing, evaluating and revising this strategy;

NOW, THEREFORE, BE IT RESOLVED, by the Township Council of the Township of West Orange (the “Township”), that the Township hereby:

- 1) Adopts in its entirety, the 2015 Essex County All Hazard Mitigation Plan Update (the “Plan”), the Township’s portion of which is attached hereto as **Attachment “A,”** as the Township’s Natural Hazard Mitigation Plan, and resolves to execute the actions identified in the Plan that pertain to the Township;
- 2) Will use the adopted and approved portions of the Plan to guide pre- and post-disaster mitigation of the hazards identified;
- 3) Will coordinate the strategies identified in the Plan with other planning programs and mechanisms under its jurisdictional authority;
- 4) Will continue its support of the Mitigation Planning Committee as described within the Plan;
- 5) Will help to promote and support the mitigation successes of all participants in this Plan;

- 6) Will incorporate mitigation planning as an integral component of government and partner operations;
- 7) Will provide an update of the Plan in conjunction with the County no less than every five years; and it is further

RESOLVED that this Resolution shall be made available in the Clerk's office for reasonable inspection in accordance with applicable law.

Karen J. Carnevale,
Municipal Clerk

Jerry Guarino,
Council President

Adopted: April 28, 2015

4841-4427-4979, v. 1



9.23 Township of West Orange

This section presents the jurisdictional annex for the Township of West Orange.

9.23.1 Hazard Mitigation Plan Point of Contact

The following individuals have been identified as the hazard mitigation plan's primary and alternate points of contact.

Primary Point of Contact	Alternate Point of Contact
Fire Chief Peter F. Smeraldo, Jr., OEM Coordinator 415 Valley Road, West Orange, NJ (973) 325-4185 WO-OEM@westorange.org	Leonard Lepore, PE, Municipal Engineer 25 Lakeside Avenue, West Orange, NJ (973) 325-4160 llepore@westorange.org

9.23.2 Municipal Profile

This section provides a summary of the community.

Population

According to the U.S. Census, the 2010 population for the Township of West Orange was 46,207.

Location

According to the U.S. Census Bureau, the Township has a total land area of 12.171 square miles, of which 12.046 square miles is land and 0.125 square miles is water.

Brief History

West Orange was part of the City of Newark until November of 1806. The first planned community in America, Llewellyn Park, is located in West Orange (Township of West Orange, 2014).

Governing Body Format

West Orange operates under the Mayor-Council form of municipal government. Every four years in even-numbered years, two or three Council seats along with the Mayoral seat are up for re-election. The current Mayor and two Council members are up for re-election in 2014 (Township of West Orange, 2014).

Growth/Development Trends

The following table summarizes major residential/commercial development and major infrastructure development that are identified for the next five (5) years in the municipality. Refer to the map in section 9.23.8 of this annex which illustrates the hazard areas along with the location of potential new development.



Table 9.23-1. Growth and Development

Property Name	Type (Residential or Commercial)	Number of Structures	Location (address and/or block/lot)	Known Hazard Zone*	Description / Status
Colonial Woods North	Residential	27 lots	Colonial Woods Drive Extension	ND	New Development
West Essex Highlands Area 2	Residential	130 units	Warner Road	ND	New Development
Harvard Development Urban Renewal Associates	Residential	228 Units	B: 9 L: 56	1% Flood: A Zone	See Orange SP 061113
Harvard Development Urban Renewal Associates	Residential	228 Units	B: 9 L: 50	1% Flood: A Zone	See Orange SP 061113
Harvard Development Urban Renewal Associates	Residential	228 Units	B: 9 L: 1	1% Flood: A Zone	See Orange SP 061113
Harvard Development Urban Renewal Associates	Residential	228 Units	B: 9 L: 7	1% Flood: A Zone	See Orange SP 061113
Harvard Development Urban Renewal Associates	Residential	228 Units	B: 9 L: 44	1% Flood: A Zone	See Orange SP 061113
Prism Green Urban Renewal Associates	Residential	334 units	B: 66 L: 5	None	App/Rej.
Prism Green Urban Renewal Associates	Residential	334 units	B: 66 L: 1	1% Flood: A Zone	App/Rej.
Prism Green Urban Renewal Associates	Residential	334 units	B: 66 L: 7	None	App/Rej.

* Only location-specific hazard zones or vulnerabilities identified.

Note: ND = Not determined because potential new development could not be located.



9.23.3 Natural Hazard Event History Specific to the Municipality

Essex County has a history of natural and non-natural hazard events as detailed in Volume I, Section 5.0 of this plan. A summary of historical events is provided in each of the hazard profiles and includes a chronology of events that have affected the County and its municipalities. For the purpose of this plan update, events that have occurred in the County from 2007 to present were summarized to indicate the range and impact of hazard events in the community. Information regarding specific damages is included, if available, based on reference material or local sources. This information is presented in the table below. For details of these and additional events, refer to Volume I, Section 5.0 of this plan.

Table 9.23-2. Hazard Event History

Dates of Event	Event Type	FEMA Declaration # (If Applicable)	County Designated?	Summary of Damages/Losses
April 14-20, 2007	Severe Weathers and Inland and Coastal Flooding	DR-1694	Yes	Residential basement flooding. Emergency protection measures utilized. \$20K
March 12 – April 15, 2010	Severe Weathers and Flooding	DR-1897	Yes	Residential basement flooding. \$88K for emergency protection measures.
December 26-27, 2010	Severe Winter Storm and Snowstorm	DR-1954	Yes	Excessive snow removal, snow clearing, 133 people sheltered and emergency protective measures utilized. \$151K
August 26 – September 5, 2011	Hurricane Irene	EM-3332 DR-4021	Yes Yes	Approx. 220 homes, 10 apt. units, 10 businesses, 1 public park, 1 water control facility and 1 public building affected. Emergency protective measures utilized. \$243K
October 29, 2011	Severe Weather	DR-4048	Yes	Approx. 1,000 homes, 1 public park and public utility system. Emergency protective measures utilized. \$441K
October 26 – November 8, 2012	Hurricane Sandy	EM-3354 DR-4086	Yes Yes	Approx. 12,000 homes, 2,000 apt units, roadway damage, 1 public park and generator fuel affected. Emergency protective measures utilized. \$1.1M



9.23.4 Hazard Vulnerabilities and Ranking

The hazard profiles in Section 5.0 of this plan have detailed information regarding each plan participant's vulnerability to the identified hazards. The following summarizes the hazard vulnerabilities and their ranking in the Township of West Orange. For additional vulnerability information relevant to this jurisdiction, refer to Section 5.0.

Hazard Risk/Vulnerability Risk Ranking

The table below summarizes the hazard risk/vulnerability rankings of potential hazards for the Township of West Orange.

Table 9.23-3. Hazard Risk/Vulnerability Risk Ranking

Hazard Type	Estimate of Potential Dollar Losses to Structures Vulnerable to the Hazard ^{a,c}	Probability of Occurrence	Risk Ranking Score (Probability x Impact)	Hazard Ranking ^b
Coastal Erosion	RCV in CEHA: \$0	Rare	6	Low
Coastal Storm	Category 1 SLOSH: \$0 Category 2 SLOSH: \$0 Category 3 SLOSH: \$0 Category 4 SLOSH: \$0	Occasional	12	Low
Drought	Damage estimate not available	Occasional	18	Medium
Earthquake	500-year MRP: \$2,710,857 2,500-year MRP: \$61,868,132	Occasional	12	Low
Extreme Temperature	Damage estimate not available	Frequent	27	Medium
Flood	1% Annual Chance: \$18,895,034	Frequent	18	Medium
Geological Hazards	Exposed to Class B and Class C: \$35,372,000	Occasional	12	Low
Severe Weather	100-Year MRP: \$4,369,898 500-year MRP: \$26,484,651 Annualized: \$302,472	Frequent	48	High
Winter Storm	1% GBS: \$33,798,959 5% GBS: \$168,994,794	Frequent	54	High
Wildfire	Estimated Value Exposed to Extreme, Very High and High: \$3,840,300	Frequent	18	Medium
Civil Disorder	Damage estimate not available	Occasional	24	Low
Cyber Attack	Damage estimate not available	Occasional	10	Low
Disease Outbreak	Damage estimate not available	Frequent	15	Medium
Hazardous Substances	Damage estimate not available	Frequent	15	Medium
Power Outages	Damage estimate not available	Frequent	36	Low
Terrorism	Damage estimate not available	Occasional	24	Low
Transportation Failure	Damage estimate not available	Frequent	36	Low

Notes:

- Building damage ratio estimates based on FEMA 386-2 (August 2001)
- The valuation of general building stock and loss estimates was based on custom inventory for the municipality.
High = Total hazard priority risk ranking score of 31 and above
Medium = Total hazard priority risk ranking of 20-30+
Low = Total hazard risk ranking below 20
- Loss estimates for the Severe Weather and severe winter storm hazards are structural values only and do not include the value of contents.



- d. Loss estimates for the flood and earthquake hazards represent both structure and contents.
- e. The HAZUS-MH earthquake model results are reported by Census Tract

National Flood Insurance Program (NFIP) Summary

The following table summarizes the NFIP statistics for the Township of West Orange.

Table 9.23-4. NFIP Summary

Municipality	# Policies (1)	# Claims (Losses) (1)	Total Loss Payments (2)	# Rep. Loss Prop. (1)	# Severe Rep. Loss Prop. (1)	# Policies in 1% Flood Boundary (3)	# Policies in 0.2% Flood Boundary (3)	# Policies Outside the 1% and 0.2% Flood Hazard (3)
West Orange, Township of	274	147	\$853,080.00	5	0	136	151	123

Source: FEMA, 2014

Note (1) Policies, claims, repetitive loss and severe repetitive loss statistics provided by FEMA and are current as of March 31, 2014 and are summarized by Community Name. Please note the total number of repetitive loss properties excludes the severe repetitive loss properties. The number of claims represents claims closed by 3/31/2014.

Note (2) Total building and content losses from the claims file provided by FEMA Region 2.

Note (3) The policies inside and outside of the flood zones is based on the latitude and longitude provided by FEMA Region 2 in the policy file.

Note (4) FEMA noted that where there is more than one entry for a property, there may be more than one policy in force or more than one GIS possibility.

Note (5) A zero percentage denotes less than 1/100th percentage and not zero damages or vulnerability as may be the case

Critical Facilities

The table below presents the number of critical facilities, by type, in the community located in the FEMA flood zones (1% and 0.2% annual chance boundaries).

Table 9.23-5. Number of Critical Facilities in the 1% and 0.2% Annual Chance Flood Boundary

Municipality	1% Annual Chance				0.2% Annual Chance				
	Dam	EMS	Potable Water Plant	School	Dam	EMS	Potable Water Plant	School	WWTP
Township of West Orange	1	1	1	2	1	1	1	2	1

Source: ECOEM

Other Vulnerabilities Identified by Municipality

According to the preliminary 2014 FEMA Flood Insurance Study (FIS), the Township has been affected by flooding in most of the low-lying areas located along the numerous open stream courses within its boundaries. Several other areas are also affected by flooding due to poor drainage. In 2010, the Township of West Orange passed 2274-10 An Ordinance Amending and Supplementing Chapter 25 Section 28 of the General Ordinances of the Town of West Orange, Entitled "Steep Slope and Natural Features Ordinance" which amended the steep slope ordinance by placing additional restrictions of State open waters, wetlands, wetland transition areas,



flood hazard areas, floodways, and riparian zones. This amendment was warranted to prevent flooding, protect water quality, and preserve wildlife and aquatic habitat (FEMA FIS 2014).

A major flood area exists along the East Fork of the East Branch Rahway River in West Orange, east of Valley Road between Freeman Street and Kingsley Street. The flooding problem there, which is due to inadequate channel capacity, has been studied by the USACE (USACE, 1973). The upper portions of this stream are steeply sloped but as of the publication of the [date] countywide FIS report, requests have been made to the USACE and NJDEP to assess whether there is flood storage potential at golf courses and other open spaces as a part of the larger study underway to study flood mitigation alternatives in the Rahway River Basin (FEMA FIS 2014).

North Branch Wigwam Brook has had serious flooding problems in the vicinity of Harrison and Mississippi Avenues, and along most downstream parts of the improved channel. This is due to excessive velocity and lack of channel capacity, notably at Ashwood Terrace, Whittelsey Avenue, Watson Avenue, and Washington Avenue. South Branch Wigwam Brook has had serious flooding reported in the vicinity of Watchung Avenue, Lakeside Avenue, Standish Avenue, and Ashland Avenue (FEMA FIS 2014).

West Branch Rahway River has had flooding problems along its entire length from Northfield Avenue to Lake Vincent, although parts of this river flow through undeveloped or country club areas (FEMA FIS 2014).

Along Peckman River, flooding has occurred between Nicholas Avenue and Kenz Terrace (FEMA FIS 2014).

An area on the western boundary of the Township of West Orange known as the Merklin District is subject to frequent flooding due to inadequate pipe sewers and insufficient capacity of the existing storm water pumping station. The area flooded is centered between Hunterdon and Morris Roads and Westover and Tappan Terraces. The Mayfair District centered on Mayfair Drive in the north central part of the township is one such location plagued by flooding related to drainage issues. In this location flooding is caused by an inadequate storm water ejector system (Elson T. Killman Associates, Inc., 1972). The Township of West Orange has been moving forward with plans to undertake storm sewer improvements and in 2011 awarded construction contracts to begin the improvements to help alleviated flooding projects on several streets including Nestro Road, Midro Way, Mayfair Drive and Rosemont Terrace and Rosemont Drive. This project has been financed by a grant from the NJDEP and a loan from the New Jersey Environmental Infrastructure Trust (FEMA FIS 2014).



9.23.5 Capability Assessment

This section identifies the following capabilities of the local jurisdiction:

- Planning and regulatory capability
- Administrative and technical capability
- Fiscal capability
- Community classification
- National Flood Insurance Program
- Integration of Mitigation Planning into Existing and Future Planning Mechanisms

Planning and Regulatory Capability

The table below summarizes the regulatory tools that are available to the Township of West Orange.

Table 9.23-6. Planning and Regulatory Tools

Tool / Program (code, ordinance, plan)	Do you have this? (Y/N)	Authority (local, county, state, federal)	Dept./ Agency Responsible	Code Citation and Comments (code chapter, date of adoption, name of plan, explanation of authority, etc.)
Building Code	Y	State	Construction Official	West Orange Revised General Ordinance (WORG) 13-1; State adopted codes-10/2010
Zoning Ordinance	Y	Local	Zoning Official	WORG 25
Subdivision Ordinance	Y	Local	Planning and Zoning Boards	WORG 25
NFIP Flood Damage Prevention Ordinance	Y	Local	Construction Official	WORG 24
Cumulative Substantial Damages	N			
Freeboard	Y	Local	Construction Official	WORG 24
Growth Management	N			
Floodplain Management / Basin Plan	Y	State		Regulated by State
Stormwater Management Plan/Ordinance	Y	Local	Municipal Engineer	WORG 25-29.1
Comprehensive Plan / Master Plan/ General Plan	Y	Local	Planning Department	WORG 25
Capital Improvements Plan	Y	Local	Planning Board	WORG 25
Site Plan Review Requirements	Y	Local	Planning and Building Departments	WORG 25
Open Space Plan	Y	Local	Municipal Engineer and Planning Director	WORG 2-57
Stream Corridor Management Plan	Y	State		Regulated by State
Watershed Management or Protection Plan	N			
Economic Development Plan	N			
Comprehensive Emergency Management Plan	Y	Local	Fire Chief OEM	Emergency Management Plan and Operations Plan
Emergency Response Plan	Y	Local	Fire Chief OEM	Emergency Operations Plan



Table 9.23-6. Planning and Regulatory Tools

Tool / Program (code, ordinance, plan)	Do you have this? (Y/N)	Authority (local, county, state, federal)	Dept./ Agency Responsible	Code Citation and Comments (code chapter, date of adoption, name of plan, explanation of authority, etc.)
Post Disaster Recovery Plan	N			
Post Disaster Recovery Ordinance	N			
Real Estate Disclosure Requirement	N			
Other [Special Purpose Ordinances (i.e., critical or sensitive areas)]	N/A			

Administrative and Technical Capability

The table below summarizes potential staff and personnel resources available to the Township of West Orange.

Table 9.23-7. Administrative and Technical Capabilities

Staff/ Personnel Resources	Available (Y or N)	Department/ Agency/Position
Planner(s) or Engineer(s) with knowledge of land development and land management practices	Y	Public Works & Planning
Engineer(s) or Professional(s) trained in construction practices related to buildings and/or infrastructure	Y	Public Works & Building Dept.
Planners or engineers with an understanding of natural hazards	Y	Public Works & Building Dept.
NFIP Floodplain Administrator	Y	Leonard Lepore, P.E., Municipal Engineer
Surveyor(s)	N	Hire outside contractors
Personnel skilled or trained in "GIS" applications	Y	Public Works
Scientist familiar with natural hazards in the municipality.	N	
Emergency Manager	Y	Fire Department – Fire Chief
Grant Writer(s)	Y	Outside contractors
Staff with expertise or training in benefit/cost analysis	Y	Public Works & Finance
Professionals trained in conducting damage assessments	N	

Fiscal Capability

The table below summarizes financial resources available to the Township of West Orange.

Table 9.23-8. Fiscal Capabilities

Financial Resources	Accessible or Eligible to Use (Yes/No/Don't Know)
Community Development Block Grants (CDBG)	Yes – Public Works
Capital Improvements Project Funding	Yes – Public Works
Authority to Levy Taxes for specific purposes	Yes – Finance
User fees for water, sewer, gas or electric service	Yes – Finance
Impact Fees for homebuyers or developers of new development/homes	Yes – Planning



Table 9.23-8. Fiscal Capabilities

Financial Resources	Accessible or Eligible to Use (Yes/No/Don't Know)
Incur debt through general obligation bonds	Yes – Finance
Incur debt through special tax bonds	Yes – Finance
Incur debt through private activity bonds	Yes – Finance
Withhold public expenditures in hazard-prone areas	No
Mitigation grant programs	Yes – Fire Department and Public Works
Other	N/A

Community Classifications

The table below summarizes classifications for community program available to the Township of West Orange.

Table 9.23-9. Community Classifications

Program	Classification	Date Classified
Community Rating System (CRS)	NP	N/A
Building Code Effectiveness Grading Schedule (BCEGS)	NP	N/A
Public Protection	NP	N/A
Storm Ready	NP	N/A
Firewise	NP	N/A

N/A = Not applicable. NP = Not participating. - = Unavailable. TBD = To be determined.

The classifications listed above relate to the community's ability to provide effective services to lessen its vulnerability to the hazards identified. These classifications can be viewed as a gauge of the community's capabilities in all phases of emergency management (preparedness, response, recovery and mitigation) and are used as an underwriting parameter for determining the costs of various forms of insurance. The CRS class applies to flood insurance while the BCEGS and Public Protection classifications apply to standard property insurance. CRS classifications range on a scale of 1 to 10 with class 1 being the best possible classification, and class 10 representing no classification benefit. Firewise classifications include a higher classification when the subject property is located beyond 1000 feet of a creditable fire hydrant and is within 5 road miles of a recognized Fire Station.

Criteria for classification credits are outlined in the following documents:

- The Community Rating System Coordinators Manual
- The Building Code Effectiveness Grading Schedule
- The ISO Mitigation online ISO's Public Protection website at <http://www.isomitigation.com/ppc/0000/ppc0001.html>
- The National Weather Service Storm Ready website at <http://www.weather.gov/stormready/howto.htm>
- The National Firewise Communities website at <http://firewise.org/>



National Flood Insurance Program

NFIP Floodplain Administrator

Leonard Lepore, P.E., Municipal Engineer

Flood Vulnerability Summary

The municipality does not maintain lists/inventories of properties that have been damaged by floods. The damage experienced by Superstorm Sandy was not related to flooding and substantial damage estimates were not conducted/declared for this event.

Resources

The Municipal Engineer is the sole person assuming responsibilities of floodplain administration. The services and functions of the NFIP administration include flood zone question, construction permit review, and field inspections. Education and outreach regarding flood hazards/risk and flood risk reduction are not provided to the municipality's residents.

The FPA indicated that staff and funding are some barriers to running an effective floodplain management program in the municipality. The FPA also stated that they do not feel adequately supported and trained to fulfill their responsibilities as the municipality's FPA. The Administrator also indicated that they would be interested in attending continuing education and/or certification training on floodplain management, if offered.

Compliance History

The municipality is in good standing with the NFIP. It is unknown when the most recent compliance audit was conducted.

Regulatory

The municipality's floodplain management regulations/ordinances meet the minimum FEMA and State requirements. The land use regulations support floodplain management. The municipality has considered joining the CRS program and the FPA would consider attending a CRS seminar if offered locally.

Community Rating System

The municipality does not participate in the Community Rating System (CRS) program. The Office of Emergency Management and the Floodplain Administrator will be researching the CRS program and participating as a community.

Other Capabilities Identified

Previous actions that are now on-going programs and capabilities are described below. Refer to Table 9.X-11 presented later in this annex.

The municipality has identified the following mitigation projects/activities that have been completed:

The extended neighborhood which includes Nestro Road, Midro Way, Mayfair Drive, and Rosemont Terrace has been mitigated by the Mayfair district sanitary and storm sewer improvements projects. These projects included the elimination of a sanitary sewage pump station, construction of new gravity sewer mains and the enlargement of storm sewer pipes.



Integration of Hazard Mitigation into Existing and Future Planning Mechanisms

For a community to succeed in reducing long-term risk, hazard mitigation must be integrated into the day-to-day local government operations. As part of this planning effort, each community was surveyed to obtain a better understanding of their community's progress in plan integration. A summary is provided below. In addition, the community identified specific integration activities that will be incorporated into municipal procedures.

- The Township utilizes mitigation funds to implement mitigation actions. The Township will continue to do so in the future, as appropriate. Past mitigation projects that were funded under Township budget to include: Nestro Road, Midro Way, Wayfair Drive, and Rosemont Terrace.
- The Township has proposed two new ordinances: Sprinkler and Stand pipe identification light and Installation of Knox boxes on new and existing commercial buildings. Same will protect first responder and structures.
- To continue implementing mitigation in day-to-day operations, the Township will develop a public outreach program to educate on hazards. Refer to action #13 in the Township's mitigation strategy.
- The Township has their ordinances and flood protection measures available on their website. Please visit the Township of West Orange's website at <http://www.westorange.org> for further information (FEMA FIS 2014).



9.23.6 Mitigation Strategy and Prioritization

This section discusses past mitigations actions and status, describes proposed hazard mitigation initiatives, and prioritization.

Past Mitigation Initiative Status

The following table indicates progress on the community's mitigation strategy identified in the 2007 Plan. Actions that are carried forward as part of this plan update are included in the following subsection in its own table with prioritization. Previous actions that are now on-going programs and capabilities are indicated as such in the following table and may also be found under 'Capability Assessment' presented previously in this annex.

Table 9.23-10. Past Mitigation Initiative Status

Description	Status	Review Comments
Flood mitigation – other than Nestro Rd., Midro Way, Mayfair Dr., and Rosemont Terr. Areas	Discontinued	The Township wishes to remove this initiative. More specific actions and locations will be identified in this update.
Inflow and infiltration into sanitary sewer system (I&I) work needed	Discontinued	The Township wishes to remove this initiative. More specific locations of I&I work will be identified in this update.
Improvements along Nestro Rd., Midro Way, Mayfair Dr., and Rosemont Terr. to mitigate flooding	Completed	These improvements included new storm water collection and conveyance facilities and new sanitary sewer facilities including elimination of a pump station.
Rural fires	Discontinued	This initiative no longer wishes to be pursued by the Township due to increased development of rural lands.
Terrorism due to close proximity to New York City	Discontinued	The Township wishes to remove this initiative due to annual ongoing training and procurement of necessary equipment.
Dam failure in the City of Orange Reservoir	Discontinued	The Township wishes to remove this initiative due to minimal impact, current mandatory standards and annual inspections of the dam.

Completed Mitigation Initiatives not Identified in the Previous Mitigation Strategy

The following initiatives have been completed in the municipality; however, they were not identified in the previous mitigation strategy: No initiatives have been completed since 2008 plan. The below initiatives were completed prior to 2008 mitigation plan.

- There have been numerous attempts to solve some of the flooding problems along various streams in the Township of West Orange. The East and West Forks of East Branch Rahway River have had channel improvements along substantial lengths (FEMA FIS 2014).
- The North Branch of the Wigwam Brook has had similar improvements as stated above.



Proposed Hazard Mitigation Initiatives for the Plan Update

The Township participated in a mitigation action workshop in March 2014 and was provided the following FEMA publications to use as a resource as part of their comprehensive review of all possible activities and mitigation measures to address their hazards: FEMA 551 ‘Selecting Appropriate Mitigation Measures for Floodprone Structures’ (March 2007) and FEMA ‘Mitigation Ideas – A Resource for Reducing Risk to Natural Hazards’ (January 2013). In June 2014, the Township participated in a second workshop and was provided the results to the risk assessment to further assist with the identification of mitigation actions.

Table 9.23-11 summarizes the comprehensive-range of specific mitigation initiatives the Township would like to pursue in the future to reduce the effects of hazards. Some of these initiatives may be previous actions carried forward for this plan update. These initiatives are dependent upon available funding (grants and local match availability) and may be modified or omitted at any time based on the occurrence of new hazard events and changes in municipal priorities. Both the four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table below to further demonstrate the wide-range of activities and mitigation measures selected.

As discussed in Section 6, 14 evaluation/prioritization criteria are used to complete the prioritization of mitigation initiatives. For each new mitigation action, a numeric rank is assigned (-1, 0, or 1) for each of the 14 evaluation criteria to assist with prioritizing your actions as ‘High’, ‘Medium’, or ‘Low.’ The table below summarizes the evaluation of each mitigation initiative, listed by Action Number.

Table 9.23-11 provides a summary of the prioritization of all proposed mitigation initiatives for the Plan update.



Table 9.23-11. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals and Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	CRS Category
West Orange-1 (NEW/LOI)	To ensure continuity of operations, obtain backup power for critical facilities: West Orange Township Hall generator.	Existing	All	1.2 6.1	OEM Township Manager	High	Medium \$75,000	HMGP	Short Term DOF	High	SIP	ES
West Orange-2 (NEW/LOI)	To ensure continuity of operations, obtain backup power for critical facilities: West Orange Fire Station #2 generator project.	Existing	All	1.2 6.1	OEM Township Manager	High	Medium \$75,000	HMGP	Short Term DOF	High	SIP	ES
West Orange-3 (NEW/LOI)	To ensure continuity of operations, obtain backup power for critical facilities: West Orange Fire Station #3 generator project.	Existing	All	1.2 6.1	OEM Township Manager	High	Medium \$75,000	HMGP	Short Term DOF	High	SIP	ES
West Orange-4 (NEW/LOI)	To ensure continuity of operations, obtain backup power for critical facilities: West Orange High School generator project.	Existing	All	1.2 6.1	OEM Township Manager	High	Medium \$75,000	HMGP	Short Term DOF	High	SIP	ES
West Orange-5 (NEW/LOI)	To ensure continuity of operations, obtain backup power for critical facilities: West Orange wastewater sewage pump stations generators project.	Existing	All	1.2 6.1	OEM Township Manager	High	Medium \$75,000	HMGP	Short Term DOF	High	SIP	ES
West Orange-6 (NEW/LOI)	To ensure continuity of operations, obtain backup power for critical facilities: West Orange public library generator project.	Existing	All	1.2 6.1	OEM Township Manager	High	Medium \$75,000	HMGP	Short Term DOF	High	SIP	ES
West Orange-7 (NEW/LOI)	To ensure continuity of operations, obtain backup power for critical facilities: West	Existing	All	1.2 6.1	OEM Township Manager	High	Medium \$75,000	HMGP	Short Term DOF	High	SIP	ES



Table 9.23-11. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals and Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	CRS Category
	Orange Police Department generator project.											
West Orange-8 (NEW/LOI)	To ensure continuity of operations, obtain backup power for critical facilities: West Orange Roosevelt Middle School generator project.	Existing	All	1.2 6.1	OEM Township Manager	High	Medium \$75,000	HMGP	Short Term DOF	High	SIP	ES
West Orange-9 (NEW/LOI)	To ensure continuity of operations, obtain backup power for critical facilities: West Orange Fire Headquarters generator project.	Existing	All	1.2 6.1	OEM Township Manager	High	Medium \$75,000	HMGP	Short Term DOF	High	SIP	ES
West Orange-10 (NEW/LOI)	To ensure continuity of operations, obtain backup power for critical facilities: West Orange Fire Station #4 generator project.	Existing	All	1.2 6.1	OEM Township Manager	High	Medium \$75,000	HMGP	Short Term DOF	High	SIP	ES
West Orange-11 (NEW/LOI)	To ensure continuity of operations, obtain backup power for critical facilities: West Orange Alex Caprio Animal Control Shelter generator project.	Existing	All	1.2 6.1	OEM Township Manager	High	Medium \$75,000	HMGP	Short Term DOF	High	SIP	ES
West Orange-12 (NEW)	Support the mitigation of vulnerable structures via retrofit (e.g. elevation, flood-proofing) or acquisition/relocation to protect structures from future damage, with repetitive loss and severe repetitive loss properties as a priority when applicable. Phase 1: Identify appropriate candidates and determine most cost-effective mitigation option (in progress). Phase 2: Work with the property owners to implement selected action based on available funding from FEMA and local match availability. Specifically identified are properties in the following areas: - East Branch of Rahway River - West Branch of Rahway River - North Branch Wigwam Brook - Peckman River area											
	See above.	Existing	Flood,	1.2	Engineering,	Medium	Medium	FEMA	Long term	Medium	SIP	SP



Table 9.23-11. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals and Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	CRS Category
				2.2	Building Departments, OEM			Mitigation Grant Programs and local budget (or property owner) for cost share	DOF			
West Orange-13 (NEW)	Develop and implement an enhanced all-hazards, public outreach / education / mitigation information program on natural hazard risks and what residents can do in the way of mitigation and preparedness, including flood insurance. This program will include: • Providing general natural hazard risk, preparedness and mitigation, and related NFIP information in regular newsletter and mailings. • Including natural hazard risk and risk reduction information through social media channels and email blast systems. • Posting of flyers and other readily available NFIP informational materials at Town/Village hall or distributing at regular civic meetings. • Preparation, distribution and analysis of public surveys. • Developing/maintaining a natural hazard risk management webpage on the municipal website where information and mapping can be posted. • Enhance public outreach to residents in NFIP floodplain areas to inform of annual grant opportunities, etc. which may include periodic articles and handouts in the annual newsletter. • Provide public education on eliminating inflow from sump pump and roof leader discharges.											
	See above.	N/A	All Hazards	1.2 3.1 3.2	OEM, Town Manager	Medium	Low	Municipal Budget; HMA programs	Short	High	EAP	PE
West Orange-14 (NEW)	Support participation in the NFIP Community Rating System (CRS) program by attending CRS workshop(s) if offered within the county. Join the CRS program if adequate resources to support long term participation can be dedicated. See following related Community Assistance Visit (CAV) initiative.	N/A	Flood	1.2 1.3 2.2	Municipal NFIP FPA, as fully supported by local government officials	Medium	Medium	Municipal Budget	Short (year 1)	Medium	LPR, EAP	PR
West Orange-15	Determine if a Community Assistance	N/A	Flood	1.2	Municipal NFIP FPA,	Medium	Medium	Municipal Budget	Short (year 1)	Medium	LPR, EAP	PR



Table 9.23-11. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals and Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	CRS Category
(NEW)	Visit (CAV) or Community Assistance Contact (CAC) is needed, and schedule if needed. This is a part of the process of joining CRS (above initiative).			1.3 2.2	as fully supported by local government officials							
West Orange-16 (NEW)	Make structural improvements to sewer system Township wide to include identifying properties susceptible to sewage backups during flooding events.	Existing	Flood, Severe Weather	1.2 2.2	Public Works Department, Engineering	High	High	Federal HMA Grant Programs	Long term. DOF	High	SIP	SP
West Orange-17 (NEW)	Enhance/expand municipal tree maintenance and identification of preferred species planting program in conjunction with utility companies and PSE&G.	Existing	Severe Weather; Severe Winter Storm	1.2 2.1 6.1	Department of Public Works working with contractors and local utilities	Medium – High (reduced risk of utility outages; life safety)	Medium	Municipal Budget	Short	Medium	NSP	NSP

Notes:

Not all acronyms and abbreviations defined below are included in the table.

*Does this mitigation initiative reduce the effects of hazards on new and/or existing buildings and/or infrastructure? Not applicable (N/A) is inserted if this does not apply.

Acronyms and Abbreviations:

CAV	Community Assistance Visit
CRS	Community Rating System
DPW	Department of Public Works
FEMA	Federal Emergency Management Agency
FPA	Floodplain Administrator
HMA	Hazard Mitigation Assistance
N/A	Not applicable
NFIP	National Flood Insurance Program
NJDEP	New Jersey Department of Environmental Protection
NJOEM	New Jersey Office of Emergency Management
OEM	Office of Emergency Management





Potential FEMA HMA Funding Sources:

FMA	Flood Mitigation Assistance Grant Program
HMGP	Hazard Mitigation Grant Program
PDM	Pre-Disaster Mitigation Grant Program
RFC	Repetitive Flood Claims Grant Program
SRL	Severe Repetitive Loss Grant Program

Costs:

Where actual project costs have been reasonably estimated:

Low	< \$10,000
Medium	\$10,000 to \$100,000
High	> \$100,000

Where actual project costs cannot reasonably be established at this time:

Low	Possible to fund under existing budget. Project is part of, or can be part of an existing on-going program.
Medium	Could budget for under existing work plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.
High	Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

Mitigation Category:

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP)- These actions involve modifying existing structures and infrastructure to protect them from a hazard or remove them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also involves projects to construct manmade structures to reduce the impact of hazards.
- Natural Systems Protection (NSP) – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.
- Education and Awareness Programs (EAP) – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities

GRS Category:

- Preventative Measures (PR) - Government, administrative or regulatory actions, or processes that influence the way land and buildings are developed and built. Examples include planning and zoning, floodplain local laws, capital improvement programs, open space preservation, and storm water management regulations.
- Property Protection (PP) - These actions include public activities to reduce hazard losses or actions that involve (1) modification of existing buildings or structures to protect them from a hazard or (2) removal of the structures from the hazard area. Examples include acquisition, elevation, relocation, structural retrofits, storm shutters, and shatter-resistant glass.
- Public Information (PI) - Actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. Such actions include outreach projects, real estate disclosure, hazard information centers, and educational programs for school-age children and adults.
- Natural Resource Protection (NR) - Actions that minimize hazard loss and also preserve or restore the functions of natural systems. These actions include sediment and erosion control, stream corridor restoration, watershed management, forest and vegetation management, and wetland restoration and preservation.
- Structural Flood Control Projects (SP) - Actions that involve the construction of structures to reduce the impact of a hazard. Such structures include dams, setback levees, floodwalls, retaining walls, and safe rooms.
- Emergency Services (ES) - Actions that protect people and property during and immediately following a disaster or hazard event. Services include warning systems, emergency response services, and the protection of essential facilities

Timeline:

Short	1 to 5 years
Long Term	5 years or greater
OG	On-going program
DOF	Depending on funding

Benefits:

Where possible, an estimate of project benefits (per FEMA's benefit calculation methodology) has been evaluated against the project costs, and is presented as:

Low=	< \$10,000
Medium	\$10,000 to \$100,000
High	> \$100,000

Where numerical project benefits cannot reasonably be established at this time:

Low	Long-term benefits of the project are difficult to quantify in the short term.
Medium	Project will have a long-term impact on the reduction of risk exposure to life and property, or project will provide an immediate reduction in the risk exposure to property.
High	Project will have an immediate impact on the reduction of risk exposure to life and property.



Table 9.23-12. Summary of Prioritization of Actions

Mitigation Action/Project Number	Mitigation Action/Initiative	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community Objectives	Total	High / Medium / Low
West Orange-1 (NEW/LOI)	West Orange Township Hall generator.	1	0	1	1	1	1	0	1	1	1	1	1	1	1	12	High
West Orange-2 (NEW/LOI)	West Orange Fire Station #2 generator project.	1	0	1	1	1	1	0	1	1	1	1	1	1	1	12	High
West Orange-3 (NEW/LOI)	West Orange Fire Station #3 generator project.	1	0	1	1	1	1	0	1	1	1	1	1	1	1	12	High
West Orange-4 (NEW/LOI)	West Orange High School generator project.	1	0	1	1	1	1	0	1	1	1	1	1	1	1	12	High
West Orange-5 (NEW/LOI)	West Orange wastewater sewage pump stations generators project.	1	0	1	1	1	1	0	1	1	1	1	1	1	1	12	High
West Orange-6 (NEW/LOI)	West Orange public library generator project.	1	0	1	1	1	1	0	1	1	1	1	1	1	1	12	High
West Orange-7 (NEW/LOI)	West Orange Police Department generator project.	1	0	1	1	1	1	0	1	1	1	1	1	1	1	12	High
West Orange-8 (NEW/LOI)	West Orange Roosevelt Middle School generator project.	1	0	1	1	1	1	0	1	1	1	1	1	1	1	12	High
West Orange-9 (NEW/LOI)	West Orange Fire Headquarters generator project.	1	0	1	1	1	1	0	1	1	1	1	1	1	1	12	High
West Orange-10 (NEW/LOI)	West Orange Fire Station #4 generator project.	1	0	1	1	1	1	0	1	1	1	1	1	1	1	12	High



Section 9.23: Township of West Orange

Mitigation Action/Project Number	Mitigation Action/Initiative	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community Objectives	Total	High / Medium / Low
West Orange-11 (NEW/LOI)	West Orange Alex Caprio Animal Control Shelter generator project.	1	0	1	1	1	1	0	1	1	1	1	1	1	1	12	High
West Orange-12 (NEW)	Mitigation of Vulnerable Structures	1	1	1	1	0	1	0	1	1	1	1	0	1	1	11	High
West Orange-13 (NEW)	Public Outreach	1	1	1	1	1	1	0	0	1	1	1	1	1	1	12	High
West Orange-14 (NEW)	Explore Participation in CRS	1	1	1	1	0	1	0	0	1	1	0	0	0	1	8	Medium
West Orange-15 (NEW)	CRS Community Assistance Visit	1	1	1	1	0	1	0	0	1	1	0	0	0	1	8	Medium
17 West Orange-16 (NEW)	Make structural improvements to sewer system Township wide	1	1	1	1	1	1	0	0	1	1	1	0	1	1	11	High
West Orange-17 (NEW)	Enhance/expand municipal tree maintenance program	1	1	1	1	1	1	0	1	1	1	1	1	1	0	12	High

Note: Refer to Section 6 which contains the guidance on conducting the prioritization of mitigation actions.



9.23.7 Future Needs To Better Understand Risk/Vulnerability

None at this time.

9.23.8 Hazard Area Extent and Location

Hazard area extent and location maps have been generated for the Township of West Orange that illustrate the probable areas impacted within the municipality. These maps are based on the best available data at the time of the preparation of this plan, and are considered to be adequate for planning purposes. Maps have only been generated for those hazards that can be clearly identified using mapping techniques and technologies, and for which the Township of West Orange has significant exposure. These maps are illustrated in the hazard profiles within Section 5.4, Volume I of this Plan.

9.23.9 Additional Comments

None at this time.

DRAFT



Figure 9.23-1. Township of West Orange Hazard Area Extent and Location Map 1

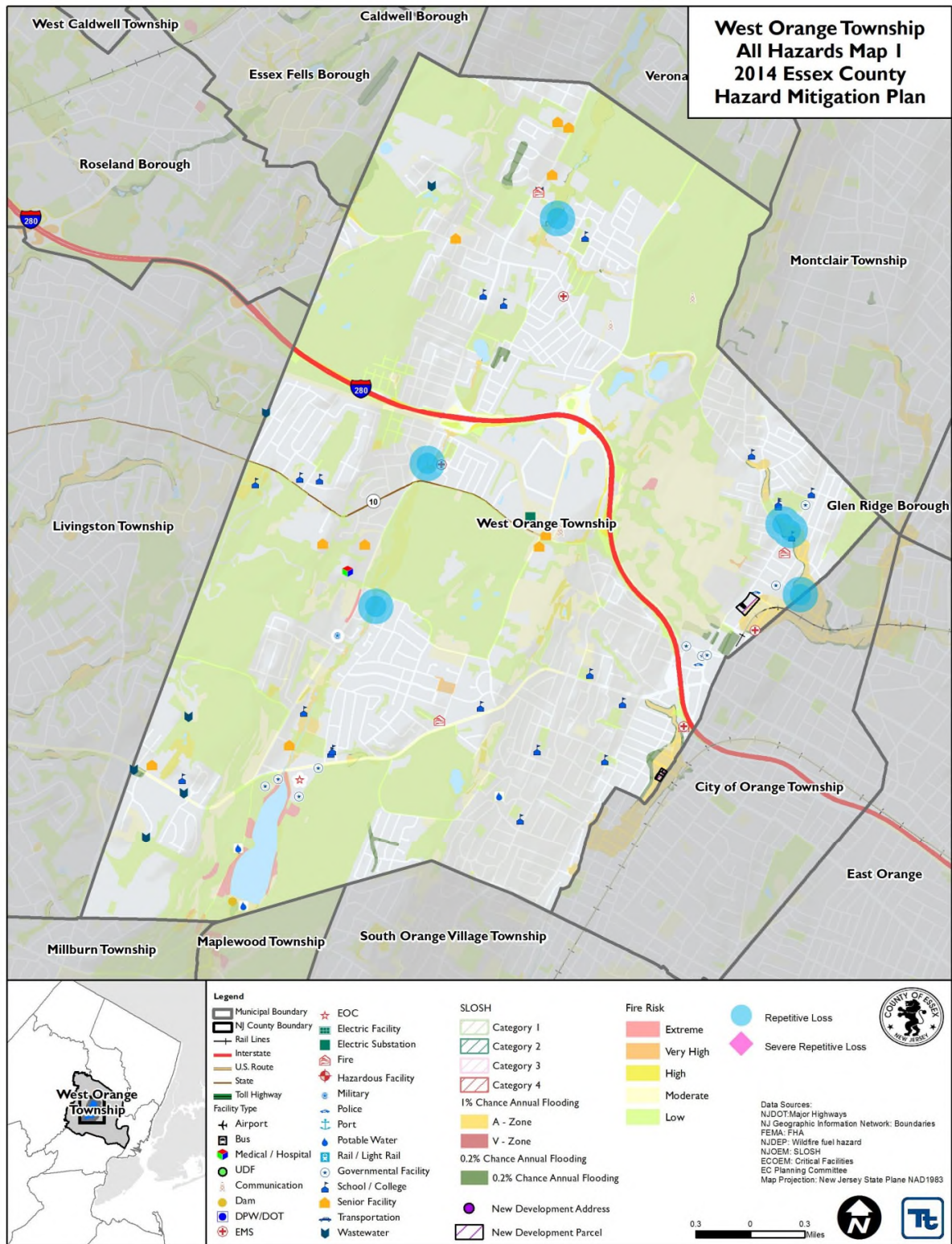
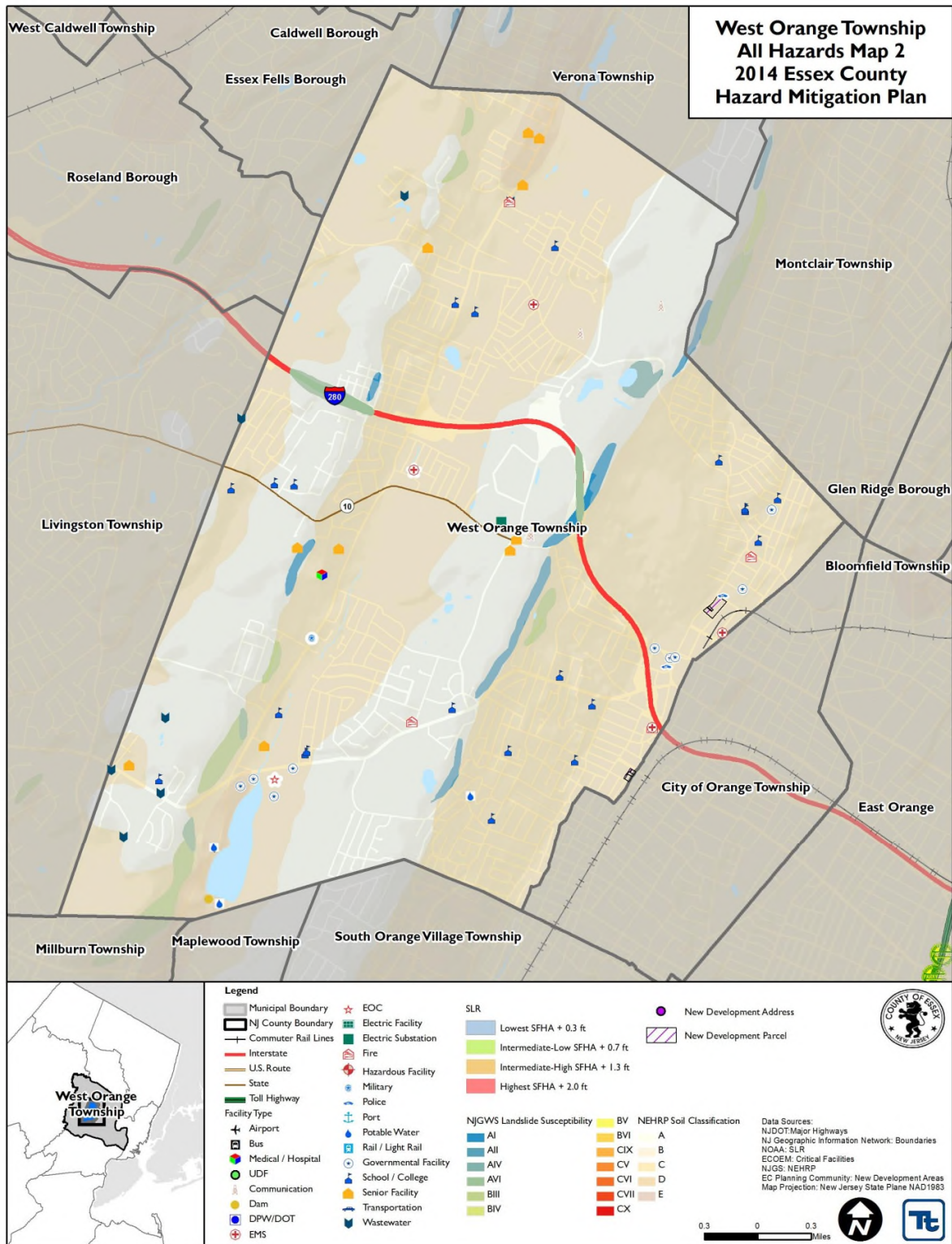




Figure 9.23-2. Township of West Orange Hazard Area Extent and Location Map 2





Section 9.23: Township of West Orange

Action Number: **West Orange-1 (NEW/LOI)**
Mitigation Action/Initiative: **West Orange Township Hall generator**

Assessing the Risk	
Hazard(s) addressed:	All Hazards
Specific problem being mitigated:	Loss of Power, loss of operational capabilities
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Tree Trimming-remove tree branches that may fall onto power lines causing power outages. This is currently being done as existing town maintenance, to protect feeder lines, but doesn't help with primary or secondary lines off Town property. 2. Bury Power Lines. This option is not being pursued as it is cost prohibitive due to the long run and the Town does not have the legal authority to bury the lines. 3. Urge Special Treatment from Power Company-Meet with the executive team and urge them to take steps necessary to prevent power failures to Town Hall. This is not the best alternative because it relies on others to address the problem. The solution remains outside the control of the Town. Though we do get priority, the system is complex and does not provide a direct connection to a sub-station. (Another alternative could be to install a secondary electrical feed from an independent section of the local grid – this is typically technically infeasible and cost-prohibitive.)
Action/Project Intended for Implementation	
Description of Selected Action/Project	Purchase and install a generator at Town Hall
Action/Project Category	SIP
Goals/Objectives Met	1.2; 6.1
Applies to existing, future, or not applicable	Existing
Benefits (losses avoided)	Continuity of operations
Estimated Cost	\$75,000
Priority*	High
Plan for Implementation	
Responsible Organization	OEM, Township Manager
Local Planning Mechanism	EOP, Mitigation Plan
Potential Funding Sources	HMGP, Township Budget
Timeline for Completion	Short Term DOF
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

**Refer to prioritization table.*





Section 9.23: Township of West Orange

Action Number:

West Orange-1 (NEW/LOI)

Mitigation Action/Initiative:

West Orange Township Hall generator

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Will allow this critical facility to remain operational during power outages.
Property Protection	0	This project will have no significant effect on reducing damage to the Village Hall structure.
Cost-Effectiveness	1	This project is considered highly cost-effective
Technical	1	There are no technical issues associated with the project, and with routine maintenance will provide long term protection against power interruptions.
Political	1	This project is supported both publically and politically.
Legal	1	The municipality has full legal authority to implement this project.
Fiscal	0	The town can currently fund the local match if a grant were awarded.
Environmental	1	There are no environmental constraints associated with this project.
Social	1	This project benefits all sectors of the community equally.
Administrative	1	The Town has all administrative and technical resources necessary to implement this project
Multi-Hazard	1	This project provides protection against multiple hazards.
Timeline	1	The project can be implemented within one year once funding is secured.
Agency Champion	1	The Town Supervisor and Emergency Management Coordinator are the leads for this critical project.
Other Community Objectives	1	This project supports the Town's commitment to provide uninterrupted critical services to their residents, particularly in times of natural disasters and other emergencies.
Total	12	
Priority (High/Med/Low)	High	





Action Number:

West Orange-2 (NEW/LOI)

Mitigation Action/Initiative:

West Orange Fire Station #2 generator project

Assessing the Risk	
Hazard(s) addressed:	All Hazards
Specific problem being mitigated:	Loss of Power, loss of operational capabilities
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Tree Trimming-remove tree branches that may fall onto power lines causing power outages. This is currently being done as existing town maintenance, to protect feeder lines, but doesn't help with primary or secondary lines off Town property. 2. Bury Power Lines. This option is not being pursued as it is cost prohibitive due to the long run and the Town does not have the legal authority to bury the lines. 3. Urge Special Treatment from Power Company-Meet with the executive team and urge them to take steps necessary to prevent power failures to Town Hall - This is not the best alternative because it relies on others to address the problem. The solution remains outside the control of the Town. - Though we do get priority, the system is complex and does not provide a direct connection to a sub-station. (Another alternative could be to install a secondary electrical feed from an independent section of the local grid – this is typically technically infeasible and cost-prohibitive.)
Action/Project Intended for Implementation	
Description of Selected Action/Project	Purchase and install a generator at Fire Station #2
Action/Project Category	SIP
Goals/Objectives Met	1.2; 6.1
Applies to existing, future, or not applicable	Existing
Benefits (losses avoided)	Emergency Response, continuity of operations
Estimated Cost	\$75,000
Priority*	High
Plan for Implementation	
Responsible Organization	OEM, Fire Department
Local Planning Mechanism	EOP, Mitigation Plan
Potential Funding Sources	HMGP, Township Budget
Timeline for Completion	Short Term DOF
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

**Refer to prioritization table.*



Section 9.23: Township of West Orange

Action Number:

West Orange-2 (NEW/LOI)

Mitigation Action/Initiative:

West Orange Fire Station #2 generator project

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Will allow this critical facility to remain operational during power outages.
Property Protection	0	This project will have no significant effect on reducing damage to the Village Hall structure.
Cost-Effectiveness	1	This project is considered highly cost-effective
Technical	1	There are no technical issues associated with the project, and with routine maintenance will provide long term protection against power interruptions.
Political	1	This project is supported both publically and politically.
Legal	1	The municipality has full legal authority to implement this project.
Fiscal	0	The town can currently fund the local match if a grant were awarded.
Environmental	1	There are no environmental constraints associated with this project.
Social	1	This project benefits all sectors of the community equally.
Administrative	1	The Town has all administrative and technical resources necessary to implement this project
Multi-Hazard	1	This project provides protection against multiple hazards.
Timeline	1	The project can be implemented within one year once funding is secured.
Agency Champion	1	The Town Supervisor and Emergency Management Coordinator are the leads for this critical project.
Other Community Objectives	1	This project supports the Town's commitment to provide uninterrupted critical services to their residents, particularly in times of natural disasters and other emergencies.
Total	12	
Priority (High/Med/Low)	High	



Action Number:

West Orange-3 (NEW/LOI)

Mitigation Action/Initiative:

West Orange Fire Station #3 generator project

Assessing the Risk	
Hazard(s) addressed:	All Hazards
Specific problem being mitigated:	Loss of Power, loss of operational capabilities
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Tree Trimming-remove tree branches that may fall onto power lines causing power outages. This is currently being done as existing town maintenance, to protect feeder lines, but doesn't help with primary or secondary lines off Town property. 2. Bury Power Lines. This option is not being pursued as it is cost prohibitive due to the long run and the Town does not have the legal authority to bury the lines. 3. Urge Special Treatment from Power Company-Meet with the executive team and urge them to take steps necessary to prevent power failures to Town Hall - This is not the best alternative because it relies on others to address the problem. The solution remains outside the control of the Town. - Though we do get priority, the system is complex and does not provide a direct connection to a sub-station. (Another alternative could be to install a secondary electrical feed from an independent section of the local grid – this is typically technically infeasible and cost-prohibitive.)
Action/Project Intended for Implementation	
Description of Selected Action/Project	Purchase and install a generator at Fire Station #3
Action/Project Category	SIP
Goals/Objectives Met	1.2; 6.1
Applies to existing, future, or not applicable	Existing
Benefits (losses avoided)	Emergency Response, continuity of operations
Estimated Cost	\$75,000
Priority*	High
Plan for Implementation	
Responsible Organization	OEM, Fire Department
Local Planning Mechanism	EOP, Mitigation Plan
Potential Funding Sources	HMGP, Township Budget
Timeline for Completion	Short Term DOF
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

**Refer to prioritization table.*



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Section 9.23: Township of West Orange

Action Number:

West Orange-3 (NEW/LOI)

Mitigation Action/Initiative:

West Orange Fire Station #3 generator project

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Will allow this critical facility to remain operational during power outages.
Property Protection	0	This project will have no significant effect on reducing damage to the Village Hall structure.
Cost-Effectiveness	1	This project is considered highly cost-effective
Technical	1	There are no technical issues associated with the project, and with routine maintenance will provide long term protection against power interruptions.
Political	1	This project is supported both publically and politically.
Legal	1	The municipality has full legal authority to implement this project.
Fiscal	0	The town can currently fund the local match if a grant were awarded.
Environmental	1	There are no environmental constraints associated with this project.
Social	1	This project benefits all sectors of the community equally.
Administrative	1	The Town has all administrative and technical resources necessary to implement this project
Multi-Hazard	1	This project provides protection against multiple hazards.
Timeline	1	The project can be implemented within one year once funding is secured.
Agency Champion	1	The Town Supervisor and Emergency Management Coordinator are the leads for this critical project.
Other Community Objectives	1	This project supports the Town's commitment to provide uninterrupted critical services to their residents, particularly in times of natural disasters and other emergencies.
Total	12	
Priority (High/Med/Low)	High	



Action Number:

West Orange-4 (NEW/LOI)

Mitigation Action/Initiative:

West Orange High School generator project

Assessing the Risk	
Hazard(s) addressed:	All Hazards
Specific problem being mitigated:	Maintain continuity of operations during power outage to support shelter operations
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Tree Trimming-remove tree branches that may fall onto power lines causing power outages. This is currently being done as existing town maintenance, to protect feeder lines, but doesn't help with primary or secondary lines off Town property.
	2. Bury Power Lines. This option is not being pursued as it is cost prohibitive due to the long run and the Town does not have the legal authority to bury the lines.
	3. Urge Special Treatment from Power Company-Meet with the executive team and urge them to take steps necessary to prevent power failures to Town Hall - This is not the best alternative because it relies on others to address the problem. The solution remains outside the control of the Town. - Though we do get priority, the system is complex and does not provide a direct connection to a sub-station. (Another alternative could be to install a secondary electrical feed from an independent section of the local grid – this is typically technically infeasible and cost-prohibitive.)
Action/Project Intended for Implementation	
Description of Selected Action/Project	Purchase and install a generator at High School
Action/Project Category	SIP
Goals/Objectives Met	1.2; 6.1
Applies to existing, future, or not applicable	Existing
Benefits (losses avoided)	Shelter Operations, Continuity of operations
Estimated Cost	\$75,000
Priority*	High
Plan for Implementation	
Responsible Organization	OEM
Local Planning Mechanism	EOP, Mitigation Plan
Potential Funding Sources	HMGP, Township Budget
Timeline for Completion	Short Term DOF
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

**Refer to prioritization table.*



Section 9.23: Township of West Orange

Action Number:

West Orange-5 (NEW/LOI)

Mitigation Action/Initiative:

West Orange High School generator project

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Will allow this critical facility to remain operational during power outages.
Property Protection	0	This project will have no significant effect on reducing damage to the Village Hall structure.
Cost-Effectiveness	1	This project is considered highly cost-effective
Technical	1	There are no technical issues associated with the project, and with routine maintenance will provide long term protection against power interruptions.
Political	1	This project is supported both publically and politically.
Legal	1	The municipality has full legal authority to implement this project.
Fiscal	0	The town can currently fund the local match if a grant were awarded.
Environmental	1	There are no environmental constraints associated with this project.
Social	1	This project benefits all sectors of the community equally.
Administrative	1	The Town has all administrative and technical resources necessary to implement this project
Multi-Hazard	1	This project provides protection against multiple hazards.
Timeline	1	The project can be implemented within one year once funding is secured.
Agency Champion	1	The Town Supervisor and Emergency Management Coordinator are the leads for this critical project.
Other Community Objectives	1	This project supports the Town's commitment to provide uninterrupted critical services to their residents, particularly in times of natural disasters and other emergencies.
Total	12	
Priority (High/Med/Low)	High	



Section 9.23: Township of West Orange

Action Number:

West Orange-5 (NEW/LOI)

Mitigation Action/Initiative:

West Orange wastewater sewage pump stations generators project

Assessing the Risk	
Hazard(s) addressed:	All Hazards
Specific problem being mitigated:	Loss of Power, loss of operational capabilities
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Tree Trimming-remove tree branches that may fall onto power lines causing power outages. This is currently being done as existing town maintenance, to protect feeder lines, but doesn't help with primary or secondary lines off Town property. 2. Bury Power Lines. This option is not being pursued as it is cost prohibitive due to the long run and the Town does not have the legal authority to bury the lines. 3. Urge Special Treatment from Power Company-Meet with the executive team and urge them to take steps necessary to prevent power failures to Town Hall - This is not the best alternative because it relies on others to address the problem. The solution remains outside the control of the Town. - Though we do get priority, the system is complex and does not provide a direct connection to a sub-station. (Another alternative could be to install a secondary electrical feed from an independent section of the local grid – this is typically technically infeasible and cost-prohibitive.)
Action/Project Intended for Implementation	
Description of Selected Action/Project	Purchase and install a generator at Pump Stations
Action/Project Category	SIP
Goals/Objectives Met	1.2; 6.1
Applies to existing, future, or not applicable	Existing
Benefits (losses avoided)	Additional flooding and back up of wastewater and sewage, Continuity of operations
Estimated Cost	\$75,000
Priority*	High
Plan for Implementation	
Responsible Organization	OEM, Township Manager
Local Planning Mechanism	EOP, Mitigation Plan
Potential Funding Sources	HMGP, Township Budget
Timeline for Completion	Short Term DOF
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

**Refer to prioritization table.*





Section 9.23: Township of West Orange

Action Number:

West Orange-5 (NEW/LOI)

Mitigation Action/Initiative:

West Orange wastewater sewage pump stations generators project

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Will allow this critical facility to remain operational during power outages.
Property Protection	0	This project will have no significant effect on reducing damage to the Village Hall structure.
Cost-Effectiveness	1	This project is considered highly cost-effective
Technical	1	There are no technical issues associated with the project, and with routine maintenance will provide long term protection against power interruptions.
Political	1	This project is supported both publically and politically.
Legal	1	The municipality has full legal authority to implement this project.
Fiscal	0	The town can currently fund the local match if a grant were awarded.
Environmental	1	There are no environmental constraints associated with this project.
Social	1	This project benefits all sectors of the community equally.
Administrative	1	The Town has all administrative and technical resources necessary to implement this project
Multi-Hazard	1	This project provides protection against multiple hazards.
Timeline	1	The project can be implemented within one year once funding is secured.
Agency Champion	1	The Town Supervisor and Emergency Management Coordinator are the leads for this critical project.
Other Community Objectives	1	This project supports the Town's commitment to provide uninterrupted critical services to their residents, particularly in times of natural disasters and other emergencies.
Total	12	
Priority (High/Med/Low)	High	





Action Number:

West Orange-6 (NEW/LOI)

Mitigation Action/Initiative:

West Orange public library generator project

Assessing the Risk	
Hazard(s) addressed:	All Hazards
Specific problem being mitigated:	Maintain continuity of operations during power outage to support shelter operations
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Tree Trimming-remove tree branches that may fall onto power lines causing power outages. This is currently being done as existing town maintenance, to protect feeder lines, but doesn't help with primary or secondary lines off Town property.
	2. Bury Power Lines. This option is not being pursued as it is cost prohibitive due to the long run and the Town does not have the legal authority to bury the lines.
	3. Urge Special Treatment from Power Company-Meet with the executive team and urge them to take steps necessary to prevent power failures to Town Hall - This is not the best alternative because it relies on others to address the problem. The solution remains outside the control of the Town. - Though we do get priority, the system is complex and does not provide a direct connection to a sub-station. (Another alternative could be to install a secondary electrical feed from an independent section of the local grid – this is typically technically infeasible and cost-prohibitive.)
Action/Project Intended for Implementation	
Description of Selected Action/Project	Purchase and install a generator at Public Library
Action/Project Category	SIP
Goals/Objectives Met	1.2; 6.1
Applies to existing, future, or not applicable	Existing
Benefits (losses avoided)	Shelter Operations, Continuity of operations
Estimated Cost	\$75,000
Priority*	High
Plan for Implementation	
Responsible Organization	OEM
Local Planning Mechanism	EOP, Mitigation Plan
Potential Funding Sources	HMGP, Township Budget
Timeline for Completion	Short Term DOF
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

**Refer to prioritization table.*



Section 9.23: Township of West Orange

Action Number:

West Orange-6 (NEW/LOI)

Mitigation Action/Initiative:

West Orange public library generator project

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Will allow this critical facility to remain operational during power outages.
Property Protection	0	This project will have no significant effect on reducing damage to the Village Hall structure.
Cost-Effectiveness	1	This project is considered highly cost-effective
Technical	1	There are no technical issues associated with the project, and with routine maintenance will provide long term protection against power interruptions.
Political	1	This project is supported both publically and politically.
Legal	1	The municipality has full legal authority to implement this project.
Fiscal	0	The town can currently fund the local match if a grant were awarded.
Environmental	1	There are no environmental constraints associated with this project.
Social	1	This project benefits all sectors of the community equally.
Administrative	1	The Town has all administrative and technical resources necessary to implement this project
Multi-Hazard	1	This project provides protection against multiple hazards.
Timeline	1	The project can be implemented within one year once funding is secured.
Agency Champion	1	The Town Supervisor and Emergency Management Coordinator are the leads for this critical project.
Other Community Objectives	1	This project supports the Town's commitment to provide uninterrupted critical services to their residents, particularly in times of natural disasters and other emergencies.
Total	12	
Priority (High/Med/Low)	High	



Action Number:

West Orange-7 (NEW/LOI)

Mitigation Action/Initiative:

West Orange Police Department generator project

Assessing the Risk	
Hazard(s) addressed:	All Hazards
Specific problem being mitigated:	Maintain continuity of operations during power outages.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Tree Trimming-remove tree branches that may fall onto power lines causing power outages. This is currently being done as existing town maintenance, to protect feeder lines, but doesn't help with primary or secondary lines off Town property. 2. Bury Power Lines. This option is not being pursued as it is cost prohibitive due to the long run and the Town does not have the legal authority to bury the lines. 3. Urge Special Treatment from Power Company-Meet with the executive team and urge them to take steps necessary to prevent power failures to Town Hall - This is not the best alternative because it relies on others to address the problem. The solution remains outside the control of the Town. - Though we do get priority, the system is complex and does not provide a direct connection to a sub-station. (Another alternative could be to install a secondary electrical feed from an independent section of the local grid – this is typically technically infeasible and cost-prohibitive.)
Action/Project Intended for Implementation	
Description of Selected Action/Project	Purchase and install a generator at Police Headquarters
Action/Project Category	SIP
Goals/Objectives Met	1.2; 6.1
Applies to existing, future, or not applicable	Existing
Benefits (losses avoided)	Continuity of operations for police, fire and EMS services
Estimated Cost	\$75,000
Priority*	High
Plan for Implementation	
Responsible Organization	OEM, Police Department
Local Planning Mechanism	EOP, Mitigation Plan
Potential Funding Sources	HMGP, Township Budget
Timeline for Completion	Short Term DOF
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

**Refer to prioritization table.*



Section 9.23: Township of West Orange

Action Number:

West Orange-7 (NEW/LOI)

Mitigation Action/Initiative:

West Orange Police Department generator project

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Will allow this critical facility to remain operational during power outages.
Property Protection	0	This project will have no significant effect on reducing damage to the Village Hall structure.
Cost-Effectiveness	1	This project is considered highly cost-effective
Technical	1	There are no technical issues associated with the project, and with routine maintenance will provide long term protection against power interruptions.
Political	1	This project is supported both publically and politically.
Legal	1	The municipality has full legal authority to implement this project.
Fiscal	0	The town can currently fund the local match if a grant were awarded.
Environmental	1	There are no environmental constraints associated with this project.
Social	1	This project benefits all sectors of the community equally.
Administrative	1	The Town has all administrative and technical resources necessary to implement this project
Multi-Hazard	1	This project provides protection against multiple hazards.
Timeline	1	The project can be implemented within one year once funding is secured.
Agency Champion	1	The Town Supervisor and Emergency Management Coordinator are the leads for this critical project.
Other Community Objectives	1	This project supports the Town's commitment to provide uninterrupted critical services to their residents, particularly in times of natural disasters and other emergencies.
Total	12	
Priority (High/Med/Low)	High	



Action Number:

West Orange-8 (NEW/LOI)

Mitigation Action/Initiative:

West Orange Roosevelt Middle School generator project

Assessing the Risk	
Hazard(s) addressed:	All Hazards
Specific problem being mitigated:	Maintain continuity of operations during power outage to support shelter operations
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Tree Trimming-remove tree branches that may fall onto power lines causing power outages. This is currently being done as existing town maintenance, to protect feeder lines, but doesn't help with primary or secondary lines off Town property.
	2. Bury Power Lines. This option is not being pursued as it is cost prohibitive due to the long run and the Town does not have the legal authority to bury the lines.
	3. Urge Special Treatment from Power Company-Meet with the executive team and urge them to take steps necessary to prevent power failures to Town Hall - This is not the best alternative because it relies on others to address the problem. The solution remains outside the control of the Town. - Though we do get priority, the system is complex and does not provide a direct connection to a sub-station. (Another alternative could be to install a secondary electrical feed from an independent section of the local grid – this is typically technically infeasible and cost-prohibitive.)
Action/Project Intended for Implementation	
Description of Selected Action/Project	Purchase and install a generator at Middle School
Action/Project Category	SIP
Goals/Objectives Met	1.2; 6.1
Applies to existing, future, or not applicable	Existing
Benefits (losses avoided)	Shelter Operations, Continuity of operations
Estimated Cost	\$75,000
Priority*	High
Plan for Implementation	
Responsible Organization	OEM, Township Manager
Local Planning Mechanism	EOP, Mitigation Plan
Potential Funding Sources	HMGP, Township Budget
Timeline for Completion	Short Term, DOF
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

**Refer to prioritization table.*



Section 9.23: Township of West Orange

Action Number:

West Orange-8 (NEW/LOI)

Mitigation Action/Initiative:

West Orange Roosevelt Middle School generator project

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Will allow this critical facility to remain operational during power outages.
Property Protection	0	This project will have no significant effect on reducing damage to the Village Hall structure.
Cost-Effectiveness	1	This project is considered highly cost-effective.
Technical	1	There are no technical issues associated with the project, and with routine maintenance will provide long term protection against power interruptions.
Political	1	This project is supported both publically and politically.
Legal	1	The municipality has full legal authority to implement this project.
Fiscal	0	The town can currently fund the local match if a grant were awarded.
Environmental	1	There are no environmental constraints associated with this project.
Social	1	This project benefits all sectors of the community equally.
Administrative	1	The Town has all administrative and technical resources necessary to implement this project.
Multi-Hazard	1	This project provides protection against multiple hazards.
Timeline	1	The project can be implemented within one year once funding is secured.
Agency Champion	1	The Town Supervisor and Emergency Management Coordinator are the leads for this critical project.
Other Community Objectives	1	This project supports the Town's commitment to provide uninterrupted critical services to their residents, particularly in times of natural disasters and other emergencies.
Total	12	
Priority (High/Med/Low)	High	



Section 9.23: Township of West Orange

Action Number:

West Orange-9 (NEW/LOI)

Mitigation Action/Initiative:

West Orange Fire Headquarters generator project

Assessing the Risk	
Hazard(s) addressed:	All Hazards
Specific problem being mitigated:	Loss of Power, loss of operational capabilities
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Tree Trimming-remove tree branches that may fall onto power lines causing power outages. This is currently being done as existing town maintenance, to protect feeder lines, but doesn't help with primary or secondary lines off Town property. 2. Bury Power Lines. This option is not being pursued as it is cost prohibitive due to the long run and the Town does not have the legal authority to bury the lines. 3. Urge Special Treatment from Power Company-Meet with the executive team and urge them to take steps necessary to prevent power failures to Town Hall - This is not the best alternative because it relies on others to address the problem. The solution remains outside the control of the Town. - Though we do get priority, the system is complex and does not provide a direct connection to a sub-station. (Another alternative could be to install a secondary electrical feed from an independent section of the local grid – this is typically technically infeasible and cost-prohibitive.)
Action/Project Intended for Implementation	
Description of Selected Action/Project	Purchase and install a generator at Fire Headquarters
Action/Project Category	SIP
Goals/Objectives Met	1.2; 6.1
Applies to existing, future, or not applicable	Existing
Benefits (losses avoided)	Emergency Response, continuity of operations
Estimated Cost	\$75,000
Priority*	High
Plan for Implementation	
Responsible Organization	Fire Department, OEM
Local Planning Mechanism	EOP, Mitigation Plan
Potential Funding Sources	HMGP, Township Budget
Timeline for Completion	Short Term DOF
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

**Refer to prioritization table.*





Section 9.23: Township of West Orange

Action Number:

West Orange-9 (NEW/LOI)

Mitigation Action/Initiative:

West Orange Fire Headquarters generator project

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Will allow this critical facility to remain operational during power outages.
Property Protection	0	This project will have no significant effect on reducing damage to the Village Hall structure.
Cost-Effectiveness	1	This project is considered highly cost-effective
Technical	1	There are no technical issues associated with the project, and with routine maintenance will provide long term protection against power interruptions.
Political	1	This project is supported both publically and politically.
Legal	1	The municipality has full legal authority to implement this project.
Fiscal	0	The town can currently fund the local match if a grant were awarded.
Environmental	1	There are no environmental constraints associated with this project.
Social	1	This project benefits all sectors of the community equally.
Administrative	1	The Town has all administrative and technical resources necessary to implement this project
Multi-Hazard	1	This project provides protection against multiple hazards.
Timeline	1	The project can be implemented within one year once funding is secured.
Agency Champion	1	The Town Supervisor and Emergency Management Coordinator are the leads for this critical project.
Other Community Objectives	1	This project supports the Town's commitment to provide uninterrupted critical services to their residents, particularly in times of natural disasters and other emergencies.
Total	12	
Priority (High/Med/Low)	High	



Action Number:

West Orange-10 (NEW/LOI)

Mitigation Action/Initiative:

West Orange Fire Station #4 generator project

Assessing the Risk	
Hazard(s) addressed:	All Hazards
Specific problem being mitigated:	Loss of power, loss of operational capabilities
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Tree Trimming-remove tree branches that may fall onto power lines causing power outages. This is currently being done as existing town maintenance, to protect feeder lines, but doesn't help with primary or secondary lines off Town property. 2. Bury Power Lines. This option is not being pursued as it is cost prohibitive due to the long run and the Town does not have the legal authority to bury the lines. 3. Urge Special Treatment from Power Company-Meet with the executive team and urge them to take steps necessary to prevent power failures to Town Hall - This is not the best alternative because it relies on others to address the problem. The solution remains outside the control of the Town. - Though we do get priority, the system is complex and does not provide a direct connection to a sub-station. (Another alternative could be to install a secondary electrical feed from an independent section of the local grid – this is typically technically infeasible and cost-prohibitive.)
Action/Project Intended for Implementation	
Description of Selected Action/Project	Purchase and install a generator at Fire Station #4
Action/Project Category	SIP
Goals/Objectives Met	1.2; 6.1
Applies to existing, future, or not applicable	Existing
Benefits (losses avoided)	Emergency Response, continuity of operations
Estimated Cost	\$75,000
Priority*	High
Plan for Implementation	
Responsible Organization	Fire Department
Local Planning Mechanism	EOP, Hazard Mitigation Plan
Potential Funding Sources	HMGP, Township Budget
Timeline for Completion	Short Term DOF
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

**Refer to prioritization table.*



Section 9.23: Township of West Orange

Action Number:

West Orange-10 (NEW/LOI)

Mitigation Action/Initiative:

West Orange Fire Station #4 generator project

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Will allow this critical facility to remain operational during power outages.
Property Protection	0	This project will have no significant effect on reducing damage to the Village Hall structure.
Cost-Effectiveness	1	This project is considered highly cost-effective
Technical	1	There are no technical issues associated with the project, and with routine maintenance will provide long term protection against power interruptions.
Political	1	This project is supported both publically and politically.
Legal	1	The municipality has full legal authority to implement this project.
Fiscal	0	The town can currently fund the local match if a grant were awarded.
Environmental	1	There are no environmental constraints associated with this project.
Social	1	This project benefits all sectors of the community equally.
Administrative	1	The Town has all administrative and technical resources necessary to implement this project
Multi-Hazard	1	This project provides protection against multiple hazards.
Timeline	1	The project can be implemented within one year once funding is secured.
Agency Champion	1	The Town Supervisor and Emergency Management Coordinator are the leads for this critical project.
Other Community Objectives	1	This project supports the Town's commitment to provide uninterrupted critical services to their residents, particularly in times of natural disasters and other emergencies.
Total	12	
Priority (High/Med/Low)	High	



Section 9.23: Township of West Orange

Action Number:

West Orange-11 (NEW/LOI)

Mitigation Action/Initiative:

West Orange Alex Caprio Animal Control Shelter generator project

Assessing the Risk	
Hazard(s) addressed:	All Hazards
Specific problem being mitigated:	Loss of Power, loss of operational capabilities, transfer of animals
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Tree Trimming-remove tree branches that may fall onto power lines causing power outages. This is currently being done as existing town maintenance, to protect feeder lines, but doesn't help with primary or secondary lines off Town property. 2. Bury Power Lines. This option is not being pursued as it is cost prohibitive due to the long run and the Town does not have the legal authority to bury the lines. 3. Urge Special Treatment from Power Company-Meet with the executive team and urge them to take steps necessary to prevent power failures to Town Hall - This is not the best alternative because it relies on others to address the problem. The solution remains outside the control of the Town. - Though we do get priority, the system is complex and does not provide a direct connection to a sub-station. (Another alternative could be to install a secondary electrical feed from an independent section of the local grid – this is typically technically infeasible and cost-prohibitive.)
Action/Project Intended for Implementation	
Description of Selected Action/Project	Purchase and install a generator at animal shelter
Action/Project Category	SIP
Goals/Objectives Met	1.2; 6.1
Applies to existing, future, or not applicable	Existing
Benefits (losses avoided)	Continuity of operations
Estimated Cost	\$75,000
Priority*	High
Plan for Implementation	
Responsible Organization	OEM, Shelter Manager
Local Planning Mechanism	EOP, Mitigation Plan
Potential Funding Sources	HMGP, Township Budget
Timeline for Completion	Short Term DOF
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

**Refer to prioritization table.*





Section 9.23: Township of West Orange

Action Number:

West Orange-11 (NEW/LOI)

Mitigation Action/Initiative:

West Orange Alex Caprio Animal Control Shelter generator project

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Will allow this critical facility to remain operational during power outages.
Property Protection	0	This project will have no significant effect on reducing damage to the Village Hall structure.
Cost-Effectiveness	1	This project is considered highly cost-effective
Technical	1	There are no technical issues associated with the project, and with routine maintenance will provide long term protection against power interruptions.
Political	1	This project is supported both publically and politically.
Legal	1	The municipality has full legal authority to implement this project.
Fiscal	0	The town can currently fund the local match if a grant were awarded.
Environmental	1	There are no environmental constraints associated with this project.
Social	1	This project benefits all sectors of the community equally.
Administrative	1	The Town has all administrative and technical resources necessary to implement this project
Multi-Hazard	1	This project provides protection against multiple hazards.
Timeline	1	The project can be implemented within one year once funding is secured.
Agency Champion	1	The Town Supervisor and Emergency Management Coordinator are the leads for this critical project.
Other Community Objectives	1	This project supports the Town's commitment to provide uninterrupted critical services to their residents, particularly in times of natural disasters and other emergencies.
Total	12	
Priority (High/Med/Low)	High	

**Action Number:****Mitigation Action/Initiative:****West Orange-12**

Support the mitigation of vulnerable structures via retrofit (e.g. elevation, flood-proofing) or acquisition/relocation to protect structures from future damage, with repetitive loss and severe repetitive loss properties as a priority when applicable.

Assessing the Risk	
Hazard(s) addressed:	Flooding
Specific problem being mitigated:	Property damage, road closures, flooded basements
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Buy outs of flooded properties
	2. Increase stream capacity
	3. Provide storm water detention - Potential future projects, no action at this time.
Action/Project Intended for Implementation	
Description of Selected Action/Project	Identify appropriate candidates, and work with property owners to implement selected action
Action/Project Category	SIP
Goals/Objectives Met	1.2, 2.2
Applies to existing and or new development, or not applicable	Existing
Benefits (losses avoided)	Flood damage
Estimated Cost	Medium
Priority*	Medium
Plan for Implementation	
Responsible Organization	Municipal OEM, homeowners
Local Planning Mechanism	Mitigation Plan
Potential Funding Sources	FEMA HMA Grants
Timeline for Completion	Long Term DOF
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

**Refer to prioritization table.*



Section 9.23: Township of West Orange

Action Number:

West Orange-12

Mitigation Action/Initiative:

Support the mitigation of vulnerable structures via retrofit (e.g. elevation, flood-proofing) or acquisition/relocation to protect structures from future damage, with repetitive loss and severe repetitive loss properties as a priority when applicable.

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Will protect homeowners
Property Protection	1	Will protect structure
Cost-Effectiveness	1	Cost share with federal grants, a benefit cost analysis must be completed
Technical	1	This initiative is technically feasible
Political	0	Neutral
Legal	1	This is a legal initiative
Fiscal	0	Funding sources are needed
Environmental	1	Supports open space
Social	1	Community supports
Administrative	1	Administratively the Township can support
Multi-Hazard	1	Several hazards will be mitigated for structure
Timeline	0	Dependent upon funding
Agency Champion	1	OEM will spearhead this initiative
Other Community Objectives	1	Supports community objectives to protect life and property
Total	11	
Priority (High/Med/Low)	High	



Section 9.23: Township of West Orange

Action Number:

West Orange -13

Mitigation Action/Initiative:

Develop and implement enhanced all hazards public outreach

Assessing the Risk	
Hazard(s) addressed:	All hazards
Specific problem being mitigated:	Preparedness
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Enhance Public outreach /education and mitigation information program
	2. Do nothing
	3. Hire outside public information officer
Action/Project Intended for Implementation	
Description of Selected Action/Project	Develop and implement an enhanced all-hazards, public outreach / education / mitigation information program on natural hazard risks and what residents can do in the way of mitigation and preparedness, including flood insurance
Action/Project Category	EAP
Goals/Objectives Met	1.2; 3.1; 3.3
Applies to existing, future, or not applicable	Existing
Benefits (losses avoided)	High
Estimated Cost	\$10,000
Priority*	Medium
Plan for Implementation	
Responsible Organization	OEM, Township Administrator
Local Planning Mechanism	EOP, Mitigation Plan, codes and ordinances
Potential Funding Sources	Municipal Budget
Timeline for Completion	Short Term
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

**Refer to prioritization table.*





Section 9.23: Township of West Orange

Action Number:

West Orange - 13

Mitigation Action/Initiative:

Public Outreach

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Promotes LS
Property Protection	1	Promotes PP
Cost-Effectiveness	1	Cost is low to this initiative
Technical	1	Township has technical capability for this initiative
Political	1	Supported by government
Legal	1	
Fiscal	0	This initiative is an expense and budget must be found
Environmental	0	
Social	1	Supports community
Administrative	1	Township is capable of supporting this initiative
Multi-Hazard	1	Will address several hazards
Timeline	1	Can be completed in a limited amount of time
Agency Champion	1	OEM will spearhead
Other Community Objectives	1	Meets other objectives
Total	12	
Priority (High/Med/Low)	High	



Action Number:

West Orange - 14

Mitigation Action/Initiative:

Support participation in the NFIP Community Rating System (CRS) Program.

Assessing the Risk	
Hazard(s) addressed:	Flood
Specific problem being mitigated:	Preparedness
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Support Participation in CRS Program
	2. Do nothing
	3.
Action/Project Intended for Implementation	
Description of Selected Action/Project	Support participation in the NFIP Community Rating System (CRS) program by attending CRS workshop(s) if offered within the county. Join the CRS program if adequate resources to support long term participation can be dedicated. See following related Community Assistance Visit (CAV) initiative
Action/Project Category	EAP
Goals/Objectives Met	1.2; 3.1; 3.3
Applies to existing, future, or not applicable	Existing
Benefits (losses avoided)	High
Estimated Cost	\$17,000
Priority*	Medium
Plan for Implementation	
Responsible Organization	OEM, Township Administrator
Local Planning Mechanism	Mitigation Plan, EOP
Potential Funding Sources	Municipal Budget
Timeline for Completion	Short Term
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

**Refer to prioritization table.*



Section 9.23: Township of West Orange

Action Number:

West Orange - 14

Mitigation Action/Initiative:

Support participation in the NFIP Community Rating System (CRS) Program.

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Supports life safety
Property Protection	1	Supports property protection
Cost-Effectiveness	1	Cost savings to residents
Technical	1	Township can support technically
Political	0	
Legal	1	Township has legal authority
Fiscal	0	Budget must be identified
Environmental	0	
Social	1	Community will support
Administrative	1	Capabilities
Multi-Hazard	0	
Timeline	0	
Agency Champion	0	
Other Community Objectives	1	Will be a cost savings to residents and useful information for Township
Total	8	
Priority (High/Med/Low)	Medium	



Action Number:

West Orange - 15

Mitigation Action/Initiative:

Determine if a Community Assistance visit is required to participate in CRS Program

Assessing the Risk	
Hazard(s) addressed:	Flood
Specific problem being mitigated:	Preparedness
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Determine if a Community Assistance visit is required to participate in CRS Program
	2. Do nothing
	3.
Action/Project Intended for Implementation	
Description of Selected Action/Project	Determine if a Community Assistance Visit (CAV) or Community Assistance Contact (CAC) is needed, and schedule if needed. This is a part of the process of joining CRS (above initiative).
Action/Project Category	EAP
Goals/Objectives Met	1.2; 3.1; 3.3
Applies to existing, future, or not applicable	Existing
Benefits (losses avoided)	High
Estimated Cost	\$1,000
Priority*	Medium
Plan for Implementation	
Responsible Organization	OEM, Township Administrator
Local Planning Mechanism	Mitigation Plan
Potential Funding Sources	Municipal Budget
Timeline for Completion	Short Term
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

**Refer to prioritization table.*



Section 9.23: Township of West Orange

Action Number:

Mitigation Action/Initiative:

West Orange - 15

Determine if a Community Assistance visit is required to participate in CRS Program

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Supports life safety
Property Protection	1	Supports property protection
Cost-Effectiveness	1	Cost savings to residents
Technical	1	Township can support technically
Political	0	
Legal	1	Township has legal authority
Fiscal	0	Budget must be identified
Environmental	0	
Social	1	Community will support
Administrative	1	Township has the capability to implement
Multi-Hazard	0	
Timeline	0	
Agency Champion	0	
Other Community Objectives	1	Will be a cost savings to residents and useful information for Township
Total	8	
Priority (High/Med/Low)	Medium	



Section 9.23: Township of West Orange

Action Number:

West Orange - 16

Mitigation Action/Initiative:

Structural Improvement to Sewer System

Assessing the Risk	
Hazard(s) addressed:	Flood, Severe Weather
Specific problem being mitigated:	Flooding of roadways and back up of storm water and sewer system
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Structural Improvements
	2. Do nothing
	3. Install new separate storm water and sewer system Township wide.
Action/Project Intended for Implementation	
Description of Selected Action/Project	Make structural improvements to sewer system Township wide to include identifying properties susceptible to sewage backups during flooding events.
Action/Project Category	SIP
Goals/Objectives Met	1.2; 2.1; 2.2;
Applies to existing, future, or not applicable	Existing
Benefits (losses avoided)	High
Estimated Cost	\$1.6 million
Priority*	High
Plan for Implementation	
Responsible Organization	Township Engineer, FPA, Township Administrator
Local Planning Mechanism	Mitigation Plan
Potential Funding Sources	HMA Grants, State and County Grants, Municipal Budget
Timeline for Completion	Short Term
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

**Refer to prioritization table.*





Section 9.23: Township of West Orange

Action Number:

West Orange - 16

Mitigation Action/Initiative:

Structural Improvement to Sewer System

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Can support life safety due to damage to homes and hazards
Property Protection	1	Will protect property
Cost-Effectiveness	1	Benefit cost analysis must be completed with application
Technical	1	Project requires technical expertise
Political	1	Township government supports
Legal	1	Legal authority
Fiscal	0	Budget must be identified
Environmental	1	Supports environment
Social	1	Community support
Administrative	1	Township is capable of supporting
Multi-Hazard	1	Addresses several hazards
Timeline	1	Dependent upon funding and this project is a priority
Agency Champion	1	Township Administrator, FPA and engineer support this project
Other Community Objectives	0	
Total	12	
Priority (High/Med/Low)	High	



Action Number:

West Orange - 17

Mitigation Action/Initiative:

Enhance and Expand Tree Maintenance

Assessing the Risk	
Hazard(s) addressed:	Flood, Severe Weather, Winter Storm
Specific problem being mitigated:	Preparedness
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	1. Enhance expand tree maintenance program
	2. Do nothing
	3. Hire a contractor to manage tree maintenance program
Action/Project Intended for Implementation	
Description of Selected Action/Project	Enhance/expand municipal tree maintenance and identification of preferred species planting program in conjunction with utility companies and PSE&G.
Action/Project Category	NSP
Goals/Objectives Met	1.2; 2.3; 6.1
Applies to existing, future, or not applicable	Existing
Benefits (losses avoided)	High
Estimated Cost	\$50,000
Priority*	Medium
Plan for Implementation	
Responsible Organization	OEM, Township Administrator, Town Engineer
Local Planning Mechanism	Mitigation Plan, Department of Public Works
Potential Funding Sources	Municipal Budget
Timeline for Completion	Short Term
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: Progress on Action/Project:

**Refer to prioritization table.*



Section 9.23: Township of West Orange

Action Number:

West Orange - 17

Mitigation Action/Initiative:

Enhance and Expand Tree Maintenance

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Falling branches during storms and other times, power line outages
Property Protection	1	Falling branches during storms
Cost-Effectiveness	1	Liability
Technical	1	Township possesses capabilities
Political	1	Government support
Legal	1	Legal authority
Fiscal	0	Budget must be identified
Environmental	1	Supports environment
Social	1	Community will benefit
Administrative	1	Township capabilities
Multi-Hazard	1	Addresses several hazards
Timeline	1	Can be implemented in short timeframe
Agency Champion	1	Several champions, OEM, DPW
Other Community Objectives	0	
Total	12	
Priority (High/Med/Low)	High	

RESOLUTION

WHEREAS, above average winter snow fall and winter temperatures well below average resulted in a late winter and early spring snow melt and thaw; and

WHEREAS, the recent spring rainfall in conjunction with the snowy and cold winter and subsequent late season snow melt resulted in significant quantities of inflow and infiltration in the Township's sanitary sewer system; and

WHEREAS, the additional sewage flow placed a strain on the Township's westerly interceptor sewer to the point where an overflow of sewage occurred in the low line basement of the home at 7 Lessing Court, Block 168, Lot 15.16; and

WHEREAS, by letter dated April 22, 2015 the Municipal Engineer of the Township of West Orange requested the Township Council authorize the Municipal Engineer to negotiate an emergency contract or contracts to alleviate this condition in the home at 7 Lessing Court, Block 168, Lot 15.16; and

WHEREAS, the work proposed under this contract is for the installation of an individual ejector system for this home to isolate the plumbing for this household from the westerly interceptor sewer; and

WHEREAS, the estimated cost for this work is \$45,000 to \$50,000; and

WHEREAS, the Township Council concurs in the request and recommendation of the Municipal Engineer.

NOW THEREFORE BE IT RESOLVED BY the Township Council of the Township of West Orange that the Municipal Engineer is authorized to negotiate a contract or contracts to eliminate the over flow of sanitary sewage into the basement of the home at 7 Lessing Court on an emergency basis pursuant to N.J.S.A. 40A:11-6 through the installation of an individual ejector system.

BE IT FURTHER RESOLVED that the Municipal Engineer obtain the authorization of the Township Council to increase any expenditures in excess of \$50,000.

KAREN J. CARNEVALE, MUNICIPAL CLERK

JERRY GUARINO, COUNCIL PRESIDENT

Adopted: April 28, 2015

I hereby Certify funds are available from Account No._____

JOHN GROSS, CHIEF FINANCIAL OFFICER

**RESOLUTION AUTHORIZING COMPETITIVE CONTRACTING PROCESS
COMPUTER IT SERVICES**

This resolution will allow a proposal to be prepared and a committee to evaluate said proposal in a manner set forth in the Local Public Contracts Law.

WHEREAS, the Township of West Orange (“Township”) will need to secure a company to provide computer IT services such as support and maintenance for proprietary software; and

WHEREAS, the cost of these services will exceed the Township’s bid threshold; and

WHEREAS, under the Local Public Contracts Law N.J.S.A. 40A:11-4.1 competitive contracting may be used by local contracting units in lieu of the standard public bidding process for procurement of specialized goods and services where the price exceeds the bid threshold; and

WHEREAS, the Township meets the criteria of Local Public Contracts Law N.J.S.A. 40a:11-4.1.3 which allows the use of a methodology to rank and evaluate proposals received to not only secure the best price but the best service to suit the Townships needs.

NOW HEREBY BE IT RESOLVED, by the Council of the Township of West Orange, that Competitive Contract Process shall be initiated for the purpose of receiving proposals for Computer IT Services and implemented by the Purchasing Agent and the Chief Financial Officer according to the local public contracts law.

Karen J. Carnevale
Municipal Clerk

Jerry Guarino
Council President

Adopted: April 28, 2015

RESOLUTION
ABANDONED CAR AUCTION

Vehicles in violation, accidents, and/or abandoned will be towed off the street by a licensed Towing Company designated by the Township. The Township is authorized to sell at Public Auction unclaimed vehicles pursuant to State and Local Laws.

BE IT RESOLVED, by the Township Council of the Township of West Orange that the following recovered motor vehicles will be sold at Public Auction as described below:

The Purchasing Agent is hereby authorized to sell five (5) transferable vehicle title(s) in the manner set forth in N.J.S.A. 39:10A-1 and N.J.S.A. 40A:14-157. Date and time of sale is scheduled for Tuesday March 10, 2015 at 2:00 PM in following location:

Twin Towing
1 Lakeside Avenue
West Orange, NJ 07052

The Purchasing Agent is hereby authorized to sell two (2) transferable vehicle title(s) in the manner set forth in N.J.S.A. 39:10A-1 and N.J.S.A. 40A:14-157. Date and time of sale is scheduled for Tuesday March 10, 2015 at 3:00 PM in following location:

Select Towing
52 Washington Street
West Orange, NJ 07052

Karen J. Carnevale
Municipal Clerk

Jerry Guarino
Council President

Adopted: April 28, 2015

ADVERTISEMENT**ABANDONED CAR AUCTION NOTICE**

In accordance with N.J.S.A. 39:10A-1 and N.J.S.A. 40A:14-157 the Township of West Orange will hold for sale at public auction on Tuesday March 10, 2015 at 2:00 pm prevailing time, the vehicles listed below. Sale will be held and vehicles may be inspected at Twin Towing, Inc., 1 Lakeside Avenue, West Orange, NJ 07052.

<u>YEAR</u>	<u>MAKE</u>	<u>VEHICLE ID</u>
2000	TOY	JTDDR32T5Y0029893
2001	OLDS	1G3GS64C614167943
2002	TOY	JTEGD21A720027104
2000	HON	1HGCG2257YA010562
2002	CHR	3C4FY48B82T337893

In accordance with N.J.S.A. 39:10A-1 and N.J.S.A. 40A:14-157 the Township of West Orange will hold for sale at public auction on Tuesday March 10, 2015 at 3:00 pm prevailing time, the vehicles listed below. Sale will be held and vehicles may be inspected at Select Towing, 52 Washington Street, West Orange, NJ 07052.

<u>YEAR</u>	<u>MAKE</u>	<u>VEHICLE ID</u>
2003	NIS	3N1CB51D63L714179
1998	DOD	2B3HD46R2WH163999

All of the above vehicles shall be sold as transferable titles. Sales are subject to payment of all accumulated towing and storage charges. A 25% deposit will be required in cash and the balance payable in payable in 24 hrs. Vehicles will be removed from the storage premises at buyer's expense within 48 hours of the sale date.

Anne DeSantis
Purchasing Agent

ABANDONED CAR AUCTION NOTICE

In accordance with N.J.S.A. 39:10A-1 and N.J.S.A. 40A:14-157 the Township of West Orange will hold for sale at public auction on Tuesday May 12, 2015 at 2:00 pm prevailing time, the vehicles listed below. Sale will be held and vehicles may be inspected at Twin Towing, Inc., 1 Lakeside Avenue, West Orange, NJ 07052.

<u>YEAR</u>	<u>MAKE</u>	<u>VEHICLE ID</u>
2004	JEEP	1J4GW48S74C275406
2000	LEX	JT8BD68S7Y0103156
1998	CHEV	1G1ND52M1W6261417

In accordance with N.J.S.A. 39:10A-1 and N.J.S.A. 40A:14-157 the Township of West Orange will hold for sale at public auction on Tuesday May 12, 2015 at 3:00 pm prevailing time, the vehicles listed below. Sale will be held and vehicles may be inspected at Select Towing, 52 Washington Street, West Orange, NJ 07052.

<u>YEAR</u>	<u>MAKE</u>	<u>VEHICLE ID</u>
1999	CAD	1G6KD54Y8XU793225
2002	HYU	KMHDN45DX2U310461

All of the above vehicles shall be sold as transferable titles. Sales are subject to payment of all accumulated towing and storage charges. A 25% deposit will be required in cash and the balance payable in payable in 24 hrs. Vehicles will be removed from the storage premises at buyer's expense within 48 hours of the sale date.

Anne DeSantis
Purchasing Agent

TOWNSHIP OF WEST ORANGE
RESOLUTION TO READ BUDGET BY TITLE

WHEREAS, N.J.S.A. 40A:4-8 as amended provides that the Budget shall be read in full at the public hearing, or that it may be read by its title only if:

1. At least one week prior to the date of the hearing a complete copy of the approved Budget:
 - (a) shall be made available for public inspection in the free public library, if any, of the municipality and in the free county libraries or regional libraries located in the municipality or, if no county libraries or regional libraries are located in the municipality, the county or regional library of the county in which the municipality is located, and the public officer delegated responsibility for delivering copies of the approved budget to such library shall forward to the governing body an attestation that such delivery was made, and
 - (b) is made available to each person requesting the same, during said week and during the public hearing.

NOW, THEREFORE, BE IT RESOLVED, by the Township Council of the Township that it is hereby declared that the condition of N.J.S.A. 40A: 4-8, as amended set forth in subsections 1(a) and 1(b), have been met and therefore the Budget for 2015 shall be read by title only.

Jerry Guarino
Council President

Karen J. Carnevale
Municipal Clerk

Adopted: April 28, 2015

**CALENDAR YEAR 2015 ORDINANCE TO EXCEED THE MUNICIPAL BUDGET
APPROPRIATION LIMITS AND TO ESTABLISH A CAP BANK
(N.J.S.A. 40A: 4-45.14)**

WHEREAS, the Local Government Cap Law, N.J.S.A. 40A: 4-45.1 et seq., provides that in the preparation of its annual budget, a municipality shall limit any increase in said budget to 2.5% unless authorized by ordinance to increase it to 3.5% over the previous year's final appropriations, subject to certain exceptions; and,

WHEREAS, N.J.S.A. 40A: 4-45.15a provides that a municipality may, when authorized by ordinance, appropriate the difference between the amount of its actual final appropriation and the 3.5% percentage rate as an exception to its final appropriations in either of the next two succeeding years; and,

WHEREAS, the Township Council of the Township of West Orange in the County of Essex finds it advisable and necessary to increase its CY 2015 budget by up to 3.5% over the previous year's final appropriations, in the interest of promoting the health, safety and welfare of the citizens; and,

WHEREAS, the Township of West Orange hereby determines that a 3.5% increase in the budget for said year, amounting to \$1,967,752.36 in excess of the increase in final appropriations otherwise permitted by the Local Government Cap Law, is advisable and necessary; and,

WHEREAS, the Township of West Orange hereby determines that any amount authorized hereinabove that is not appropriated as part of the final budget, shall be retained as an exception to final appropriation in either of the next two succeeding years.

NOW THEREFORE BE IT ORDAINED, by the Township Council of the Township of West Orange, in the County of Essex, a majority of the full authorized membership of this governing body affirmatively concurring, that, in the CY 2015 budget year, the final appropriations of the Township of West Orange shall, in accordance with this ordinance and N.J.S.A. 40A: 4-45.14, be increased by 3.5%, amounting to \$1,967,752.36 and that the CY 2015 municipal budget for the Township of West Orange be approved and adopted in accordance with this ordinance; and,

BE IT FURTHER ORDAINED, that any amount authorized hereinabove that is not appropriated as part of the final budget shall be retained as an exception to final appropriation in either of the next two succeeding years; and,

BE IT FURTHER ORDAINED, that a certified copy of this ordinance as introduced be filed with the Director of the Division of Local Government Services within 5 days of introduction; and,

BE IT FURTHER ORDAINED, that a certified copy of this ordinance upon adoption, with the recorded vote included thereon, be filed with said Director within 5 days after such adoption.

This ordinance shall take effect after its final passage and publication in accordance with the law.

Jerry Guarino
Council President

Robert D. Parisi, Mayor

Karen J. Carnevale
Municipal Clerk

Introduced: March 24, 2015

Adopted: April 28, 2015

**AN ORDINANCE CREATING CHAPTER 2, SECTION 61 OF THE REVISED
GENERAL ORDINANCES OF THE TOWNSHIP OF WEST ORANGE, ENTITLED
“PEDESTRIAN SAFETY ADVISORY BOARD”**

BE IT ORDAINED BY THE TOWNSHIP COUNCIL OF THE TOWNSHIP OF WEST ORANGE, in the County of Essex and State of New Jersey, that there shall be created a Chapter 2, Section 61 of the Revised General Ordinances of the Township of West Orange, which shall provide as follows:

2-61 PEDESTRIAN SAFETY ADVISORY BOARD

2-61.1 Purpose

The Township of West Orange has established a Pedestrian Safety Advisory Board to serve as a volunteer advisory committee to the Mayor and Council with regard to issues affecting pedestrian safety.

2-61.2 Membership

The Board shall be comprised of the following eleven (11) members, each of whom shall be a bona fide resident of the Township of West Orange, and each of whom shall be appointed by the Mayor:

1. A representative of the Downtown West Orange Alliance;
2. A representative of the Pleasant Valley Civic Association;
3. A representative of the Township Council;
4. A representative of the Thomas Edison National Historical Park;
5. A superintendent of the Board of Education or Designee;
6. The Township Engineer, or his or her representative; and
7. Police Chief or Designee;
8. Appointment by the Mayor;
9. Appointment by the Mayor;
10. Appointment by the Mayor;
11. Township Planner;

2-61.3 Term

All members of the Board shall serve until a successor is appointed and each member of the Board shall serve for a term of three (3) years. Any vacancy shall be filled for the remainder of the unexpired term only.

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2-61.4 Organizational Structure

- a. The Board may adopt bylaws to govern its general operation provided that the bylaws are approved in advance by resolution of the Township Council.
- b. The Board shall meet at least quarterly.
- c. Minutes of each meeting of the Board shall be taken to serve as a public record.

2-61.4 Staff Assistance

The Board shall have no budget, but shall be assisted and advised from time to time, as directed by the Mayor, by the Township, the Township Planner, and/or any individual or entity by the Township to perform grant writing services.

2-61.6 Functions

The functions of the Board shall be as follows:

1. Investigation and analysis of issues affecting pedestrian safety;
2. Recommendations to the Mayor and Council regarding initiatives and policies designated to enhance pedestrian safety;
3. Participation when authorized by the Mayor, in appropriate regional pedestrian safety activities; and
4. Annual meeting to inform the Mayor, Township Council and the general public of the Board's activities and progress.

BE IT FURTHER ORDAINED, that the remainder of Chapter 2 shall remain unchanged.

BE IT FURTHER ORDAINED, that if any section, paragraph, subsection, clause or provision of this Ordinance shall be adjudged by the courts to be invalid, such adjudication shall apply only to the section, paragraph, subsection, clause or provision so adjudicated, and the remainder of the Ordinance shall be deemed valid and effective.

BE IT FURTHER ORDAINED, that any ordinances or parts thereof in conflict with the provisions of this Ordinance are repealed to the extent of such conflict.

BE IT FURTHER ORDAINED, that this Ordinance shall take effect upon passage and publication in accordance with law.

**Karen J. Carnevale,
Municipal Clerk**

**Jerry Guarino,
Council President**

Robert D. Parisi, Mayor

Introduced: April 28, 2015

Adopted: May 12, 2015

LEGISLATIVE HISTORY

This legislation is designed to create a eleven (11) member Pedestrian Safety Advisory Board for the purpose of advising the mayor and Township Council on issues affecting pedestrian safety. Members of the board will serve on a voluntary basis for the terms of three (3) years.

The Board, which shall meet at least quarterly, will investigate and analyze pedestrian safety issues, present recommendations regarding new initiatives and policies, and participate in appropriate regional pedestrian safety activities when authorized to do so. In discharging these functions, the Board will in appropriate instances be assisted by the Township Engineer, Township Planner, Police Chief and/or any entity employed by the Township to perform grant writing services.