Staff Report

Devens Enterprise Commission

Date: September 2014

To: Devens Enterprise Commission

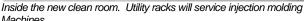
From: Peter Lowitt, Director and Neil Angus, Environmental Planner

RE: Quarterly Project/Development Updates

PREVIOUSLY PERMITTED PROJECTS:

112 Barnum Road – Nypro: Nypro Healthcare, a Jabil Company based in Clinton, MA is nearing completion of their expansion into Devens at 112 Barnum Road. This newly renovated state-of-the-art, automated, robotized clean room facility will be manufacturing precision plastic products (injection molding) for customers in the healthcare industry. Nypro is anticipating this expansion will create 165 new jobs. This project is an excellent example of how manufacturing is still alive and well in Massachusetts.







Work room: Testing hoists and beams that will transport molds into place.

Hackman and Calare transformed this specialized, single-tenant facility (formerly used by Evergreen Solar to manufacture solar photovoltaic panels) for multiple-tenant use, which required redesigning and reconfiguring the building's high-capacity mechanical and electrical systems for independent use and control by multiple tenants. Nypro is utilizing more than 200,000 square feet of this ~450,000 square foot building.

58 Barnum Road - Maxant industries: The foundation is complete and structural steel is being erected for this +/-28,600 sq.ft. new building on 3.2 acres between NB Kenny and the Dunkin Donuts bakery on Barnum Road. This facility will manufacture honey processing equipment. The project will also include the construction of a small 8'x 20' seasonal apiary (for beehives) in the rear yard of the property. Once completed, they expect to employ up to 13 people.



View of structural steel and roofing installation from the rear of the building



Front of building: view from Barnum Road

38 Jackson Road - BMS Phase 2: Construction continues at a rapid pace on the Bristol-Myers Squibb Company (BMS) new +/-231,000-gross square foot Biologics Development Building (BDB) and a +/-131,500-gross square foot Clinical Manufacturing Building (CMB) within their existing 89 acre campus. Foundations and structural steel are complete for both the BDB and CMB. Exterior walls and roofing are being installed on the BDB. Two additional stories have been added to the existing 3-story parking garage (180 spaces), to accommodate a portion of the expected 350-380 new employees.



View of the front of the BDB (left) and the CMB (right) - September 2014



View of the rear of the CMB (left) and BDB (right)



DEC Commissioners Dix Davis (left) and Armen Demerjian (right) attend the steel topping off ceremony for the CMB on Sept. 8, 2014

JP Sullivan Apple Storage Facility Expansion - 50 Barnum Road: Construction is complete at this outdoor apple crate storage area on two (2) acres adjacent to the existing J.P. Sullivan apple packing and shipping facility in Ayer. The expansion into Devens was approved by the DEC in March of 2013. The Applicant installed the final required landscape berm and plantings in June to help visually screen the storage yard from Barnum Road.



Parking garage two-story addition

The structured parking will result in a smaller development footprint and helps minimize the urban heat-island effect by reducing the amount of pavement required on-site. This also helps improve local air quality and reduce the amount of stormwater runoff that will be generated by the development. BMS will also be constructing a vegetated roof on the BDB which will further aid in minimizing urban heat-island effects and stormwater runoff, as well as provide additional air quality benefits. We are thrilled that BMS has located its Biologics cluster at Devens.



Landscape berm freshly hydroseeded and planted with pines to screen Storage area from Barnum Road.

15 Independence Drive – O'Reilly Auto Parts: Renovation of the former +/-370,500 square foot Kraft/Veryfine building is nearing completion for this automotive parts and supplies distribution facility. Construction included two small additions and interior racking and storage systems. Because of the proximity to a Zone 2 Water Resources Protection District, coupled with the type and quantity of materials being stored within the building, the Applicant has implemented a Spill Prevention, Control and Countermeasure plan and groundwater quality monitoring program to comply with the DEC's Zone 2 Water Resources Protection District requirements. Two groundwater monitoring wells were recently drilled on-site as part of this monitoring program.



New racking system inside 15 Independence Drive.



New Conveyor system connecting racking to loading docks



New required ruck route signage at exit gate



New groundwater monitoring well

The facility is expected to service 50-60 stores in the New England region and employ 80-90 people over 2 shifts. Within 3-5 years, the facility is expected to be servicing up to 280 stores and employ 350-500 people over 3 shifts.

Hospital Road - US Fish and Wildlife Visitor Contact Station: The new USFWS education pavilion, although substantially complete, remains closed to the public pending resolution of final contract obligations between USFWS and its contractor. The project will be a showcase for sustainable development as it was constructed with reused building materials and contains composting toilets, porous pavement, reinforced turf parking and (eventually) green roofs. An educational welcome kiosk will also have a series of panels which will display information on the Oxbow National Wildlife Refuge and local trails, as well as a panel on Devens and how its redevelopment efforts are integrating the natural and built environment. The canoe launch parking and river access walkway is being reconstructed as it was improperly constructed the first time. The area of the roadside slope that was cut back for sight line improvements on Hospital Road was recently hydroseeded to stabilize the exposed soils to combat the erosion that was occurring while the site sat inactive over the past year. It is not clear when this project will be completed, however, staff is still monitoring the site to ensure all exposed areas are properly contained to protect the Nashua River and associated wetlands in the vicinity.

Hornet Field Stormwater Pond – Sherman/Antietam: MassDevelopment has completed construction on the previously approved municipal Stormwater detention basin near the corner of Sherman Ave and Antietam Street. This basin will accommodate runoff from some of the existing street areas and help facilitate development of a number of existing parcels within the Innovation and Technology Center currently being marketed by MassDevelopment. Excess excavated fill material is being spread over Willard Field to level the site and maximize the usable playing field area.

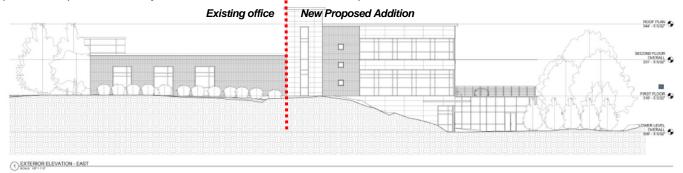




New Hornet Field detention pond area - Sept. 2014

Excess fill being spread over Willard Field - Sept. 2014

155 Jackson Road - Laddawn Office & Parking Expansion: The DEC recently approved the construction of a 22,467 sq.ft., two-story building expansion in the rear of the existing building as well as the construction of an additional 71 parking spaces (111 spaces total) to accommodate additional office as well as research and development space in the new proposed addition. The project was approved with conditions that aim to maximize the use of the site, while minimizing any potential impacts on nearby residential uses. Construction is expected to commence this fall.



Ryans Way - Devens Grill Parking Lot Expansion:

Devens Grill parking lot was recently expanded to include an additional 25 spaces on-site as well as 4 additional on-street parallel parking spaces on Andrews Parkway. The existing parking on-site as well as on Andrews Parkway was constantly full as a result of Devens Grill business, resulting in many people parking on overflow grass parking areas. The new 25 spaces included storm drainage improvements, pedestrian walkway extensions/connections and landscaping. The required landscaping was installed as well. A barricade blocking direct access from Jackson Road was also put in place to prevent vehicles from driving across the



grass field to access Devens Grill. Replacement plantings for the unauthorized removal of several trees is still outstanding and expected to be completed this fall.

Barnum Road - US Army/National Guard Monitoring Well Installation: During permitting of the Army's new facilities on Barnum Road, the DEC required groundwater protection measures be put in place due to high pollutant load potential (LUHPPL) from the past and proposed military uses of the site and its proximity to The Grove Pond Well Field (Zone 1 and Zone 2 Water Resource Protection areas on-site). After extensive correspondence and repeated requests, in May of 2014, the military installed signage delineating the Zone 1 WRP boundary and kept all vehicles out of this zone and also installed four groundwater monitoring wells between their site and the Grove Pond well fields. An annual monitoring program is now in place. The DEC thanks the military for its cooperation and commitment to protecting the drinking water supplies of Devens and Ayer.



US Army groundwater monitoring well installation and signage May 2014.

27 Jackson Road - Applewild Preschool: Applewild pre-school and kindergarten currently based in Fitchburg, has opened a satellite location in Devens at One Jackson Place on Jackson Road. Applewild provides pre-school and kindergarten programs that are available to local business, industry and residents. They are able to accommodate approximately 50 students, with daytime and afterschool programs. Minor site improvements to accommodate the daycare included a handicap access ramp and associated parking and a playground on the south side of the building.

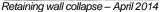


Applewild added to multi-tenant One Jackson Place sign on Jackson Road. New playground and handicap access ramp at 27 Jackson Road.



234 Barnum Road - Loaves and Fishes Retaining Wall Repair: The DEC approved minor retaining wall repair within 100 feet of Robbins Pond wetlands this past spring. The wall had washed out from a combination of snow plowing and parking lot runoff that undermined the existing curbing and fill material behind the retaining wall. GPR engineering designed the fix which included a concrete reinforced curb and rip rap slope to replace the vertical wall. Repairs were completed in July with minimal disturbance. The eroded material was removed and the site is fully stabilized.







Reinforced curb and slope repair - August 2014

94-100 Jackson Road Handicap Access Ramp, Parking and Landscaping Alterations: MassDevelopment completed demolition of a row of pavement and parking parallel to Jackson Road at 100 Jackson (Sherman Square) and completed the installation of landscape screening to bring the property into compliance with the original 2001 unified permit conditions

for redevelopment of Sherman Square. The landscaping will eventually provide a nice visual screen from Jackson Road of the large expanse of pavement in this parking lot.

MassDevelopment Also completed the installation of a new handicap access ramp to the building at 94 Jackson, connecting the small parking lot off of Jackson Road, to the building's rear entrance. This ramp provides immediate universal access to the building from the closest parking spaces to the building and avoids the need for visitors to have to travel through the large parking lot at 100 Jackson and through the interior courtyard of Sherman Square. Additional landscaping was also added to the landscape island between this small parking lot and Jackson Road.



Aerial of Sherman Square parking before the removal of pavement/parking.



New handicap access ramp at 94 Jackson



New landscaping and curbing along Jackson where parking was eliminated.

112 Barnum Road - Partial Sound Wall Removal:

Calare, the new owners of 112 Barnum Road (former Evergreen Solar building), have completed the removal of the NOX and ASX sound wall and all noise-generating equipment and duct work behind it, in accordance with their March 2013 Unified Permit approval. All sound panels are being stored on-site for any future potential use. The cooling tower sound wall remains in place and continues to function effectively.





112 Barnum Road pollution abatement equip. before sound wall-July 2009 Sound wall and all noise generating equip. & duct work removed – Sept. 2014



112 Barnum Road Chemical tank farm – June 2010

The temporary chemical tank farm/gas delivery sound wall was knocked down by wind in a micro-burst weather event in July. As the pictures above show, all tanks, chillers and noise generating equipment have been removed, therefore, there is no need to replace the wall at this time. Any future use of this area will require DEC approval.

235 Barnum Road - Bluefly, an on-line retailer of clothing, handbags and jewelry, is moving into a portion Quiet Logistics space at 235 Barnum Road (former Budweiser building). Bluefly is a customer of Quiet Logistics and they will be setting up a studio to photograph their products. They will be hiring approximately 10 people for their operations.



All tanks, pumps and equipment removed - Sept, 2014

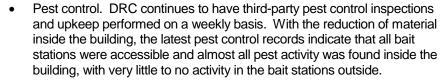


112 Barnum Road cooling tower sound wall intact - Sept. 2014

of

45 Independence Drive - Devens Recycling (DRC): DRC continues to operate and maintain its facility. A number of maintenance activities have recently been and continue to be implemented to ensure continued operation within the confines of their permit and site assignment requirements:

- Amount of material being stored within the building. The majority of material from the facility is being moved by rail car. While this is good from a transportation standpoint, it has created problems with DRC having to rely on Pan Am Intermodal for getting empty rail cars to the site and getting full rail cars out of the site. The owner continues to work with Pan Am to manage access for rail cars to keep material moving out of the facility. Recent inspections found considerably more room inside the facility to store all materials and equipment, thereby allowing the facility to operate properly.
- Door seals. A number of doors and seals were recently repaired and gaps between the door frames and the building were sealed off to ensure the facility is enclosed as tightly as possible to properly contain material, odor and pests and reduce the potential for nuisance conditions.
- Trench drain. The trench drain in front of the 6 loading doors was recently dug out and filled with gravel to ensure it continues to be able to capture any liquids from the C&D and MSW material and contain everything within the building.
- Outdoor storage of materials. Dumpsters full of metals were being stored outside in the dumpster corral. Now that there is less material inside the building, the owner can store these bins of metal inside the building. DRC has also purchased another loader to be able to move the dumpsters themselves more expeditiously.
- Vehicle maintenance outside. A number of vehicles that were in various stages of repair or maintenance were being stored outside the building and leaking fluids into the parking lot. Vehicle maintenance and storage of equipment is required to occur within the building as per the DRC Unified permit and site assignment approvals (as the building is fully contained and any leaking fluids are trapped by the trench drain which is separate from the stormwater system). The reduction of material inside the building has allowed for DRC to store equipment inside the building. The areas where equipment leaked onto the pavement outside were cleaned up and DRC is leasing new equipment with a better service contract that will reduce down-time and leaking vehicles on-site.



The owner and management continue to actively address these issues. As the amount of material inside the building continuously fluctuates, DRC will need to continue to ensure they reserve ample room inside the facility to conduct all their required operations as per their approvals. A recent inspection of the facility was also conducted by the Devens Fire Department and there were no issues of concern identified. DRC has also been actively monitoring truck routes and picking up blowing trash and debris along the roadsides throughout Devens.



Processed material inside Devens Recycling reduced so there is room for equipment storage and proper operations.



New door seals installed on all exterior doors - Sept. 2014



Rear of facility – no outdoor storage of equipment or vehicles under repair – Sept. 2014



RECENT EVENTS:

Ham Radio World Radio Team Competition - July 12th: 59 teams came to Devens from all over the world to compete in the seventh World Radiosport Team Championship. Ten locations were set up in Devens. Teams competed to make contact with as many amateur radio operators around the world as possible from each location. This was a 24-hour competition. Each location was equipped with a tent and temporary power supply. The event was a great success, with little or no disruption to any Devens operations and is likely to come back to Devens next year.

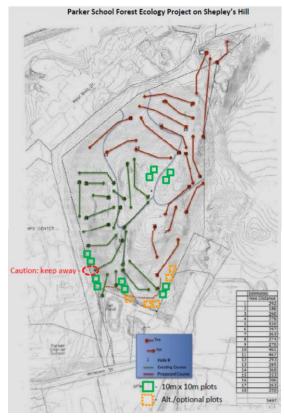
Berkshires to Boston Charity Bike Ride – September 19-20, 2014: For the second year in a row, Devens Common hosted this annual four-day, 240 mile bike tour showcasing the best of Massachusetts cycling. Beginning in the Berkshire hills along the New York border, the tour meanders through the Connecticut River Valley and spins through the historic communities of Lexington and Concord before arriving in Boston. There, riders joined more than 5,000 cycling enthusiasts for Hub on Wheels, Boston's annual bicycling festival. Devens was an overnight stop on this tour and participants either stayed at the hotels or camped out on the Devens Common. Shower and mobile changing facilities were brought in for participants who camped.

OTHER UPDATES:

Designated Truck Route: Periodic monitoring of the designated truck route found over 95% of trucks using the truck route. A handful of violations were found over the past several months – mainly from drivers new to the area. Staff continues to educate drivers and businesses of the need to

follow the designated truck route.

Antietam Street - Shepley's Hill: The Devens Disc Golf course continues to attract more visitors to Devens. Full course details are available at: http://www.devensdg.blogspot.com/p/new-course.html . The DEC, in its capacity as the local Conservation Commission. accepted a Conservation Restriction for this 45 acre area from MassDevelopment helping to implement a crucial part of the Devens Open Space and Recreation Plan and protect a certified vernal pool and unique natural land formations. The DEC recently met with teachers from Parker Charter School and Devens Disc Golf to map out areas where a forest ecology program could take place with the least amount of disruption to the natural environment and the disc golf course. The forest ecology program is based on the Harvard Forest Schoolyard Ecology program which monitors how forests grow and change over time. The teachers and students at Parker Charter love the fact that this area is right in their backyard and easily accessible. This allows them to integrate the forest ecology program into their science curriculum (similar to the vernal pool studies they have conducted in the past). The map on the right shows the two course locations and the 10 meter x 10 meter plot areas that Parker Charter will be using to monitor tree growth over the next few years. Students will mark and measure trees within the plots, analyze the growth rates and evaluate how the forest composition responds to natural and human disturbances. This is another great passive educational use for this protected plot of open space.



Devens Mosquito Management – Devens continues to participate in the Central MA Mosquito Control Project (CMMCP). Businesses and/or residents who wish to have their property treated or excluded from any mosquito control can contact (508)393-3055. The current risk level (as of September 16, 2014) is remote but until a few good frosts, people are still being encouraged to protect themselves from bites by eliminating standing water from unnatural objects on their property, repairing screens and using insect repellants.

Water Use Restrictions - throughout most of the summer and continuing through September, water use restrictions have been in effect. In accordance with 974 CMR 8.09 and MA DEP's revised Water Management Act Permit issued to MassDevelopment, mandatory water restrictions are to be placed when water levels in the Nashua River reach a certain low point for a specified period. Water level readings recently reached this low point and MassDevelopment is therefore required to institute the following water use restrictions between 9:00 am - 5:00 pm daily:

- Irrigation of lawns via sprinklers or automatic irrigation systems.
- · Washing of vehicles, except in a commercial car wash or as necessary for operator safety.
- Washing of external building surfaces, parking lots, driveways or sidewalks, except as necessary to apply surface treatments such as paint, preservatives, stucco, pavement or cement.

The river gauge readings must be above the threshold for seven consecutive days before the restriction can be lifted. Questions can be directed to Devens utilities at (978) 784-2931 or (978) 784-2911.

DEC Green Infrastructure Guidelines: Building on the sustainable redevelopment initiatives of the Devens Enterprise Commission, at its August 18, 2014 meeting, the Commission adopted "Green Infrastructure Guidelines" for Devens Projects". This document was developed by the Commission as a resource for local homeowners, businesses, industries and the development community, to guide them in integrating green infrastructure elements into any project in Devens. These Guidelines provide the reader with a basic overview of what green infrastructure is, why it is important in Devens, as well as the local incentives the DEC offers to promote green infrastructure. The Guidelines also provide a sample list of specific green infrastructure technologies and how each of them can achieve multiple design standards and regulatory requirements within the Devens Enterprise Commission Development Rules and Regulations. The Guidelines also use case studies and illustrative examples of green infrastructure technologies to give the reader a better understanding of the triple-bottom line benefits (social, economic and environmental) of incorporating green infrastructure elements into projects. Download your free copy at: http://tinyurl.com/devensgi



Devens Green Infrastructure Guidelines Map

Devens Trail Signage – MassDevelopment has completed the installation of trail head signage kiosks at various locations throughout Devens as part of an overall effort to promote Devens recreational trails,

public health and connections to the natural environment. Kiosks include a panel for a map of the trail location(s) and were installed at the following locations:

- Robbins Pond;
- Intersection of Jackson and Patton Road (stone dust trail leading to Goddard trail); Mirror Lake Parking area;
- Bob Eisengrien Community Center parking lot;
- Barnum Road (one at each end of the Cold Spring Brook trail).

Fitchburg Line Rail Improvements: The MBTA has completed over 8 miles of double tracking along the Fitchburg Line as part of their three year improvement project that includes improvements to tracks, signals, bridges, and stations to reduce trip time and increase service reliability. Littleton MBTA commuter rail station upgrades were completed last year and now the first train out from Boston stops in Littleton at 8:37AM – over 1 hour earlier than previously



Devens Trail Head Kiosk: Rogers Field

(9:42AM). This earlier arrival will provide more options for commuters and businesses in the region who are looking for additional transportation options to get to work. Devens is currently exploring the feasibility of shuttle service to and from Littleton for Devens businesses and employees who may want to commute via public transportation.

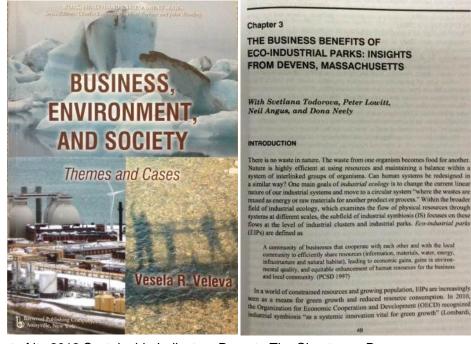
The South Acton MBTA commuter rail station is currently under construction and expected to be completed by the end of 2014/early 2015. All of these improvements will aid in making a reverse commute option from Boston to Devens

more viable and may help alleviate local traffic congestion. To facilitate the efficient completion of this work, weekend train service will be suspended on the entire Fitchburg Line from July 12th through October 11, 2014 to allow work to be performed between North Station and Fitchburg. Substitute busing will not be provided. Commuters seeking additional information can access project updates at

http://www.mbta.com/about the mbta/t projects/default.asp?id=15585.

Devens Eco-Industrial Park Case Study: Devens as an Eco-Industrial Park was recently featured as a case study in

Chapter 3 of a book entitled: "Business, Environment, and Society: Themes and Cases"; published by Baywood Publishing Company, Inc. The case study discusses the triple bottom line approach to redevelopment in Devens that has resulted in Devens being internationally recognized as an Eco-Industrial Park and how this approach led to the creation of the EcoStar environmental branding and achievement program, as well as the Devens Eco-Efficiency Center. The Chapter also explains how the 2012 Devens Sustainable Indicators Report was developed and used to help measure and evaluate the sustainable redevelopment efforts in Devens. The book was written by Vesela Veleva, a professor at the University of Massachusetts who



assisted the DEC with the development of its 2012 Sustainable Indicators Report. The Chapter on Devens was coauthored by Peter Lowitt, Dona Neely and Neil Angus.

PRESENTATIONS

Beyond Buildings: LEED For Neighborhood Development in Massachusetts – May 2014. Staff presented Devens as a case study at this event in Boston, hosted by the USGBC MA Chapter and the American Planning Association MA Chapter. The event focused on how the US Green Building Council's LEED for Neighborhood Development rating system is currently being used to promote more sustainable approaches to community development in Boston and the surrounding towns and cities. Devens as a case study, provided attendees with insights into how the rating system can be used as an evaluation tool against current regulations to help identify regulatory barriers to smart growth. The event was a success with over 80 people attending. The USGBC is currently developing an on-line educational webinar using this program and is expected to be released to a national audience this fall. The local Boston Cable Network also recorded the program and will be airing this on local community access to in Boston as well.

Devens Health Impact Assessment – August 2014: In order to better assess and evaluate how future residential development in Devens could further Devens' sustainable redevelopment efforts, DEC Staff, with the participation of local residents, businesses, public health professionals, planners and academics, conducted a Health Impact Assessment (HIA) this past April. The HIA was used to provide a broad overview of possible health impacts of traditional development patterns vs. innovative development patterns. The HIA and its results and recommendations have been compiled into a final report that will be available on the DEC website shortly. This report will help us better understand and recognize the relationship between land use planning and public health issues. Doing so will aid in furthering the sustainable development goals for Devens and hopefully help facilitate the design and development of a more complete, connected, inclusive, green and healthy community.

11

Grey to Green Conference – August 2014: Green Roofs for Healthy Cities hosted a conference in Toronto, Ontario on the economics of Green Infrastructure and designing for health. Using the findings of the recent Devens Health Impact Assessment as a case study, the DEC Director spoke about the connections between land use planning and the built environment and how the two can directly influence the social, mental and physical health of its residents,.

UPCOMING PROJECTS

Jackson Road Phase IV: MassDevelopment is finalizing plans for improvements to Jackson Road from the Verbeck Gate to Barnum Road, including designing for the daylighting of Willow Brook. The project recently received a \$1.85 million grant from the Federal Economic Development Administration (EDA) as it will help improve access to local businesses and continue to foster economic growth in the region. This project is expected to come before the Commission for permitting sometime in the late fall/early winter. Construction is anticipated to start in spring 2015. Construction is expected to last approximately 16 months.

Route 2 Bridge Repair: The State Department of Transportation will begin work to repair the Route 2 bridge at Jackson Gate this fall. This bridge was recently damaged from a vehicle impacting it and is currently under weight restrictions. The bridge deck and center support column are being replaced which will result in the need to close this bridge to all truck traffic temporarily. Passenger vehicle access will be maintained throughout the project but truck traffic will need to be diverted temporarily to other state routes in the surrounding area while some of this work is being done. The project is expected to last a year and a half. MassDevelopment and the Devens Enterprise Commission are working with the State to notify all businesses and residents in Devens, as well as the surrounding communities and make every effort to minimize temporary impacts to adjacent communities, and local residents and businesses. Full details and information on the detours will be distributed and posted on the DEC website when the construction schedule is finalized.

Grant Road Housing: MassDevelopment has selected Devens Village Green, LLC. as the developer for the Grant Road residential housing project. This project will involve the design and development of up to 120 units that will contain a mix of for sale and rental single family, duplex and multi-family housing units within the Grant Road neighborhood. The project is also expected to include a percentage of moderate income affordable units. An application is expected to come before the Commission sometime this winter.

Remembering Bob Eisengrein. As many are aware, a longtime resident of Devens passed away in January of 2013. Bob Eisengrein was one of the first new residents in Devens after the base closed and was actively involved

in the redevelopment efforts. He served on the Eco Star steering Committee and as the chair of the Devens Advisory Committee for many years and had a passion for Devens as a community. Bob could always be seen at local events or walking and biking through Devens. He was a wealth of knowledge on everything Devens and is greatly missed by all in the community. On June 28, 2013, MassDevelopment honored Bob and his passion, dedication and commitment to Devens, by renaming the Devens Community Center the "Bob Eisengrein Community Center". Earlier this year, MassDevelopment also dedicated a plaque in Bob's memory and placed it inside the Community Center. The Plaque explains



who Bob was and why he was so important to Devens. The plaque ends with a very nice dedication: "It is our hope that the activities that happen here will carry on his commitment to building community and making a difference in the lives of others." Bob continues to be missed by all.