Processing Plan – Greystone Industrial Park MSGP

The purpose of this update is to describe the ongoing processing of handling, crushing, and removal of rock material required to create new building sites in the Greystone Industrial Park.

A processing plan was previously approved as part of the original 2016 approval for a 20,000 sq. ft. commercial building (Building "A") and private roadway referred to as Phase 1. An updated processing plan was approved as part of the 2020 approval for two (2) additional 20,000 sq. ft. commercial buildings (Buildings "B" and "C") referred to as Phase 2. The 2016 Phase 1 approval involved the blasting and removal of 90,000 cubic yards of rock and the 2020 Phase 2 approval involved the blasting and removal of 150,000 cubic yards of rock which was estimated to take approximately five (5) years. Excavation for the Phase 2 road and buildings began in the spring of 2021 and is expected to be complete in the spring of 2026.

The current proposal is for three (3) new commercial buildings (Building "D" – 26,250 sq. ft., Building "E" – 16,250 sq. ft., and Building "F" – 16,250 sq. ft.) and associated infrastructure, as before, blasting will be required to make the new site suitable to build on. We estimate approximately 150,000 cy of ledge will need to be blasted, crushed, and stockpiled onsite before being removed. The amount of ledge removal will be dependent on how much overburden is discovered during blasting preparation.

A three-acre area has been highlighted west of the private road on plan sheet 2 'Site Plan' as the area to be blasted for Building "D". While a small amount of blasting may need to occur for Buildings "E" and "F", that 3.6-acre area east of the road will primarily be filled to reach finish grade. A separate Blasting Plan has been submitted that details the specific blasting techniques to be used, monitoring and safety requirements. Blasting and processing of rock material will move north to south to maximize the screening and sound damping provided by the existing topography.

The building sites, and contractor's yards which were part of the 2016 and 2020 approvals have been constructed. During construction these areas will be used as staging areas and temporary stockpile locations for the rock processing activities associated with this next phase of construction.

Available space onsite limits the amount of crushed rock which can be stockpiled at any one time, so rock crushing occurs as space allows. Based on data from the past four years Omega Excavation has processed an average of 30,000 cubic yards of rock per year which was the result of three to four rock crushing sessions, each lasting approximately three weeks.

With this next phase of construction Omega Excavation expects to continue processing an average of 30,000 cubic yards of rock per year. Three to four rock crushing sessions per season, each lasting three weeks are expected. Typically the first session would be in the spring to replenish the stockpiles in advance of the construction season, followed by one or two crushing sessions over the course of the summer based on demand, and a final crushing session in the fall to have a stockpile that can be used over the winter months, if needed. All blasting and

rock crushing would occur between March 21st and December 21st and shut down for the winter months in between.

Ultimately, the rate of rock removal is dependent on market demand, a large commercial project such as a Lowe's or Walmart could easily require as much as 20,000 to 30,000 cubic yard of crushed project. A natural disaster such as Hurricane Irene could require the removal of all the rock in one year (the rock could be removed by rail if there was an urgent need). However based on Omega's recent construction history, they expect to be able to process and remove an average of 30,000 cubic yards of material per year which would equate to a five year construction schedule.

During construction, access to the site will be via the existing construction entrance off of Old Colchester Road and signage has been installed directing all construction traffic to enter and exit from VT RT 2A.

As before, the contractor will be responsible, at their own expense, for ensuring that the dust created as a result of construction does not create a nuisance or a safety hazard where and when deemed necessary by the engineer or the Town of Essex Public Works Dept. The contractor will be required to wet sections of the construction area with water, apply calcium chloride or sweep asphalt roads with a power broom as dust control.