

Stormwater System Construction Phase Operation and Maintenance Plan

A.L. Prime, 23 Central Street, Byfield MA

Owner – A.L. Prime Energy Consultant, Inc., 18 Lark Ave, Saugus MA 01906, 781-246-0201

Primary contact – Brian Hughes, Director of Construction, mobile 781-929-2831

The Construction Contractor under the direction of the property owner is responsible to implement this plan throughout the duration of the site construction schedule. The responsible persons may employ others to complete actual work as necessary.

This plan is to be used in conjunction with the approved site plan package and any Town of Newbury Board or municipal approvals, decisions, permits, and conditions or any applicable regulations or bylaws regarding the proposed improvements.

A.L. Prime is proposing to construct a gas station including a convenience store and drive-thru coffee shop at 23 Central Street, Byfield. The location is slightly under one acre and situated just east of the Central Street interchange with Interstate 95. It is zoned Highway Commercial, presently used as residential, and abutted by other residential and commercial uses. The proposed work includes razing the existing improvements and constructing a new store, fueling islands and canopy, underground tanks, utilities, pavement, and landscaping.

The existing site is relatively flat and slopes primarily to the north. The development will adjust grades throughout the site and most of the site will be disturbed at some point during the project.

Erosion Control is most demanding during the construction phase when the site is disturbed and has the most potential to produce silt laden runoff. All contractor and sub-contractor employees are to be trained and aware of this plan. Daily inspection of the system and adherence to this plan are required to insure that the system meets the design expectations. Please refer to the project drawings, and in particular the Erosion Control, Grading, Utilities, and Site Detail drawings for more information regarding the design and procedures for maintaining erosion control.

Construction Sequence (see ER-1 Drawing)

1. Estimated time of construction for this project is five months.
2. Temp control measures and any required ma dep signage to be installed prior to any site work or demo of existing improvements.
3. Install perimeter fencing, silt controls, construction entrances and establish stockpile areas prior to site work excavation
4. Throughout project, inspect the erosion and sedimentation control structures daily and after any storm events and maintain as necessary. Repair damaged or deteriorated erosion control measures immediately upon identification
5. Drainage shall be prevented from entering the subsurface infiltration system components before the system is completed and backfilled

6. Catch basin inlet protection must remain until base pavement is installed and all stockpiles are removed and no longer necessary
7. Temporary hay bales, straw wattles, or silt fences may be removed after final soil stabilization and base pavement has been installed and issuance of any required approval from municipal authority
8. Upon conclusion of construction and after all final stabilization is achieved, clean all drainage structures of all dirt, debris, or any loose materials.

Construction Period Activities

The Construction Contractor shall implement the following measures:

- There will be no vehicle or equipment maintenance conducted on the site other than daily equipment checks and maintenance
- Disturbed areas will be kept moist or covered and stabilized to control dust
- All stockpiles materials will be managed to prevent migration by either rain or wind. When not in use for any extended period of time, stockpiles should be covered. When possible, reduce the amount of stockpile material necessary by having such material delivered as needed. All stockpiles to be maintained in a neat and orderly manner
- Manage concrete washout. Such washout is prohibited from catch basins and drainage systems
- Employ all available mosquito control measures eliminating standing water where possible and draining or filling temporary pools of water. There will be no application of pesticides or herbicides during the course of this construction