

**STORMWATER OPERATION,
MAINTENANCE AND POLLUTION
PREVENTION PLAN JUNE 6, 2023**

Warehouse Site
555 Hopping Brook
Road Holliston,
Massachusetts

RESPONSIBLE PARTY DURING CONSTRUCTION:

CRG Acquisition, LLC or Named Responsible Party
2199 Innerbelt Business
Center Drive
Saint Louis, MO
63114

RESPONSIBLE PARTY POST CONSTRUCTION:

CRG Acquisition, LLC or Named Responsible Party
2199 Innerbelt Business
Center Drive
Saint Louis, MO
63114

Construction Phase

During the construction phase, all erosion control devices and measures shall be maintained in accordance with the final record plans, the EPA Construction General Permit and the Stormwater Pollution Prevention Plan (SWPPP). Additionally, the maintenance of all siltation control measures during construction shall be the responsibility of CRG Acquisition, LLC or Named Responsible Party. Contact information of the Owner and Contractor shall be listed in the SWPPP for this site. Upon proper notice to the property owner, the Town of Holliston or authorized designee shall be allowed to enter the property at a reasonable time and in a reasonable manner for the purposes of inspection.

Post Development Controls

Once an area of construction is complete and turned over to CRG Acquisition, LLC or Named Responsible Party, the post development stormwater controls are to be operated and maintained in compliance with the following permanent procedures by CRG Acquisition, LLC or Named Responsible Party. The stormwater management system shall be inspected annually by a registered professional civil engineer. The stormwater management system shall be maintained and repaired as needed per this Operation and Maintenance Plan. Proof of the required inspections and necessary maintenance (or repairs if required) have been conducted shall be submitted in the form of an annual report to the Town of Holliston Planning Board Office providing a summary of the maintenances of the stormwater management system conducted each year. Said reports shall be submitted before the end of October of each year and include receipts from engineering consultants, maintenances companies, etc. as evidence that the required maintenance work was conducted.

Operation & Maintenance Plan: Construction Phase

Note 1: See SWPPP Details (Stormwater Pollution Prevention Plan Details) as detailed on Sheet 34 and supporting information detailed on remaining Site Plan Set Sheets 1-36 of 36 inclusive of offsite stormwater management system on northside of Hopping Brook Road that will be modified as part of the 555 Hopping Brook Road Project.

Note 2: All sediment will be disposed of onsite, if applicable, or at an off-site location in accordance with all applicable local, state, and federal regulations.

Note 3: The project site will be enclosed with a construction fence and if necessary, barricades and signage will be provided to maintain a safe environment for pedestrians. In addition, walkways near construction activities will be well marked.

Note 4: Onsite construction trailer/office shall be secured at the end of each workday.

Note 5: The General Contractor is responsible for coordinating all construction equipment and worker parking. No parking shall be permitted on Hopping Brook Road during construction.

Note 6: If the site is to remain idle for more than 30 days then any disturbed areas shall be protected with mulch and/or hydroseeded.

Construction Sequence:

Prior to construction, the General Contractor shall develop and submit all proposed construction sequencing and traffic management plans (TMP's – if required) for review and approval by the Holliston Building Department and/or their representatives. The General Contractor is responsible for providing plans and documents concerning any revisions to the construction sequence and/or TMP's 72 hours prior to implementation for review and approval.

SWPPP Implementation:

The General Contractor shall install all erosion control measures as required for each construction area for inspection prior to the start of construction (See SWPPP & Grading & Drainage Sheets). The General Contractor shall identify an individual who will be responsible for compliance with SWPPP and daily inspections. SWPPP and supporting documents shall be kept onsite at all times.

Material Stockpile Area:

The General Contractor shall locate an area for material storage and stockpiling. This area should be located within the general construction area (where no additional clearing or grubbing will be required). This area, at a minimum, should be surrounded by a single row of siltation fencing, and/or erosion control socks. Where required, this area may need to be

surrounded by fencing that can be secured at the end of the workday. The General Contractor shall monitor all erosion activities within the stockpile area and remove and repair siltation devices as required.

Vegetation – Tree Protection:

Prior to the start of construction, the contractor shall coordinate with the Project Engineer to identify and mark all trees to be preserved as shown on the Site Plans. At that time the Project Engineer will identify if any the existing trees that will be retained will need to be need to be pruned. All tree pruning will be completed in accordance with horticultural standards.

All excavation that occurs around the existing trees to be preserved shall be managed in accordance with horticultural standards.

The contractor shall keep heavy equipment away from the trees that will be preserved.

Site stabilization for loam and seeding will mean that the grassed areas have established sufficient root growth to maintain colonialization and/or been mowed at least two times.

Construction Entrance:

The General Contractor shall place a construction entrance (a temporary stone-stabilization pad located at (points of vehicular ingress and egress from the construction site and/or staging area onto public roads - see SWPP Plan/Details). The entrance should be maintained in a condition that will prevent the tracking or flowing of sediment onto public rights-of-way (Hopping Brook Road). This may require periodic top dressing with additional stone. Inspect entrance/exit pad and sediment disposal area weekly and after heavy rains or use. Remove mud and sediment tracked or washed onto public roadways immediately.

Complete replacement of pad may be required if the pad becomes completely clogged. The associated sediment traps should be cleaned out as often as necessary to ensure adequate storage and that trapping efficiency occurs. If used, vegetative filter strips should be maintained to ensure a vigorous stand of vegetation at all times. Repair broken pavement immediately.

Siltation Fencing:

Place siltation fencing as required by the SWPP Plan (see SWPPP Plan/Details). Inspect silt fencing immediately after each rainfall and at least daily during prolonged rainfall. Remove sediment deposits promptly to provide adequate storage volume. Avoid undermining the fence during cleaning. Repair fabric tears, decompositions, or failures immediately. The General Contractor shall have extra rolls of siltation fencing onsite for repair purposes. Remove silt fence when site has been stabilized and all sediment deposits have been removed.

Straw Bale Barriers:

Place straw bale barriers as required by the SWPPP (see SWPP Plan/Details). Inspect straw bale barriers immediately after each rainfall and at least daily during prolonged rainfall. Remove sediment deposits promptly to provide adequate storage volume. Avoid undermining the straw bale barriers during cleaning. Repair decompositions and failures immediately. The General Contractor shall have extra straw bales onsite for repair purposes. Remove straw bale barriers when site has been stabilized and all sediment deposits have been removed.

Erosion Control Sock:

Place the erosion control sock as required by the SWPPP (see SWPP Plan/Details). Inspect erosion control sock immediately after each rainfall and at least daily during prolonged rainfall. Remove sediment deposits promptly to provide adequate storage volume. Avoid undermining the erosion control sock during cleaning. Repair decompositions and failures immediately. Remove the erosion control sock when site has been stabilized and all sediment deposits have been removed.

Inlet Protection - Catch Basins:

The General Contractor shall provide proper inlet protection for all existing and proposed catch basins that will be impacted by construction.

Place inlet protection as may be required as part of the SWPPP (see SWPP Plan/Details). All trapping devices and structures that protect CB inlets should be inspected after every rainstorm. Sediment should be removed when sediment has reached a maximum of one-half the depth to the top of the protection device. (See Drainage Systems)

Once the site has been stabilized with loam and seed (see Vegetation Section) the Catch Basin Inlet Protection shall be removed. Any siltation that may have entered the catch basin sump shall be removed and disposed of offsite.

All sedimentation removal shall be disposed of offsite in accordance with the Massachusetts Department of Environmental Protections (MassDEP) Rules and Regulations.

Street Sweeping:

Paved areas shall be swept throughout construction to prevent excess sediment from flowing to the proposed and existing drainage systems. The paved areas will include on-site pavement and off-site pavement (Hopping Brook Road). Maintain inlet protection (catch basins) until final pavement surface has been placed and all disturbed areas have been accepted as stabilized.

Dust Control

To reduce emission of fugitive dust and to minimize impacts on the environment, the General Contractor shall adhere to a number of strictly enforced mitigation measures,

including the following:

- ☐ When needed wetting agents will be used to control and suppress dust that has the potential to become airborne by wind.
- ☐ All trucks used for transportation of construction debris will be fully covered.
- ☐ Storage of construction debris will be located within the fenced-in site. All storage containers will be covered at the end of the workday.
- ☐ Construction practices will be monitored to ensure that unnecessary transfers and mechanical disturbances of loose materials are minimized and that any emissions of dust are negligible.
- ☐ Street cleaning shall be provided by mechanical street sweepers as required, to maintain clean roadways in the vicinity of the site.
- ☐ If any contaminated soil is encountered during excavation a Licensed Site Professional (LSP) will be onsite to oversee work associated with handling, treatment, stockpiling, and removal of soil.

Construction Noise

Every reasonable effort will be made to minimize the noise impact of construction activities. Mitigation measures will include:

- No idling” signs will be posted at all loading/delivery areas, pick-up/drop-off areas, and at surface parking spaces. Trucks may not idle at the site for more than 5 minutes unless their operation is dependent on the vehicle running. The contractor shall follow the regulations in the Massachusetts State Anti-Idling Law.
- ☐ The contractor will place noisy equipment as far as possible from sensitive areas.
- ☐ Identifying and maintaining truck routes to minimize traffic and noise throughout the project and surrounding streets.
- ☐ Replacing specific construction techniques by less noisy ones where feasible (e.g., using vibration pile driving instead of impact driving, if practical).
- ☐ Work shall be performed as to prevent nuisance noise conditions that are preventable (e.g., un-maintained equipment, brake squeal, act.).
- ☐ ALL WORK, including equipment warm-up and truck queuing or idling, will be permitted at the site only during the authorized construction operation period.

Concrete Washout Area:

The General Contractor shall provide a designated area onsite to be the concrete washout area. All washout of concrete trucks and the cleaning of concrete tools and equipment must be done in this area. The concrete washout area must provide necessary treatment and meet all applicable local, state, and federal laws and regulations. The location of concrete washout area may need to be relocated to accommodate the construction phasing.

All concrete washout shall be disposed of offsite in accordance with the Massachusetts Department of Environmental Protections (MassDEP) Rules and Regulations

Drainage Systems:

At the completion of the construction phase and the stabilization of the construction area, all catch basins, drainage pipes, and BMP's shall be cleaned of all debris and sediment. Sediment shall be disposed of offsite in accordance with all local, state, and federal regulations.

Solid Waste:

The project site and surrounding areas shall be kept clear of debris and garbage. Temporary onsite receptacle(s) shall be provided by the contractor. All debris and garbage shall be placed in the receptacles and disposed of offsite at an approved waste facility. For those materials that cannot be recycled, solid waste will be transported in covered trucks to an approved solid waste facility, per the Department of Environmental Protection (DEP) Regulations for Solid Waste Facilities, 310 CMR 16.00.

Hazardous and Mixed Waste:

Store, treat, and/or dispose of hazardous or mixed wastes in accordance with all applicable laws and regulations. Do not bury construction waste, sanitary waste, or trash onsite.

Perform all washout of concrete trucks and the cleaning of concrete tools and equipment in a designated area onsite that provides necessary treatment and meets all applicable laws and regulations.

Stormwater discharges shall not cause or contribute to a violation of the water quality standard for pH in the receiving water. Temporary BMP's shall be used to prevent or treat contamination of stormwater runoff by pH modifying sources. These sources include, but are not limited to, bulk cement, cement kiln dust, fly ash, new concrete washing and curing waters, waste streams generated from concrete grinding and sawing, exposed aggregate processes, and concrete pumping and mixer washout waters. Construction sites with significant concrete work shall adjust the pH of stormwater as necessary to prevent violations of water quality standards.

Spill Control and Response:

The contractor will maintain equipment and storage containers and/or perform repairs or modifications as necessary to prevent spills.

In the event of a spill, immediately notify the resident construction inspector who will contact emergency response. The contractor shall be responsible for remediation of any spill.

Store all fuels, lubricants, chemical storage, material stockpiles, and other potential pollutants in a designated area onsite. Provide secondary containment and controls as necessary including berming lined with an impervious material, covering, or other appropriate measures.

Prohibition of Illicit Discharges:

MassDEP Stormwater Report Standard 10:

There shall be no illegal discharges of any material from this site to the proposed drainage and/or sanitary sewerage systems. Illicit Discharge Statement included at the end of this document.

Sanitizing Facilities:

Contractor shall provide/or assure adequate onsite sanitary facilities for all workers in accordance with all federal, state, local, and board of health requirements.

Massachusetts Department of Environmental Protection "File Number": *N.A. for this project.*

The Holliston Conservation Commission has reviewed the planned project limits and issued a finding that no jurisdictional wetlands are affected by the planned work activities and therefore there is no MassDEP "File Number" for the project.

Snow Removal

The General Contractor is responsible for all snow removal during the winter months. Snow shall be removed from all areas affected by their work. This will be done daily as necessary, to ensure that all sidewalks are clear of snow and ice. Under no condition shall snow be plowed onto the adjacent streets (Hopping Brook Road) or disposed of on public property.

Reports and Inspections:

The General Contractor shall keep onsite all records of inspections, reports, and repairs throughout construction. Contractor shall coordinate with local, state, and federal agencies regarding weekly issuance of said reports or inspections. All records will become part of the final as-built plans when requested.

The General Contractor is responsible for ensuring that all persons responsible for the implementation, inspections, and reporting on this O&M shall be appropriately trained. The person(s) responsible should be familiar with this plan and all other O&M-related items onsite.

Approval:

The General Contractor shall coordinate with all local, state, and federal agencies involved with the construction phase for final approval at the completion of work. At a minimum, all

disturbed areas shall be stabilized (*turf root growth or mowed twice*), debris and sediment removed and disposed of, and BMP's stabilized, planted, and functioning. All drainage systems must be cleared of debris and sediment.

At a minimum, the binder pavement course must be in-place. All temporary erosion control devices shall be removed and disposed of offsite unless otherwise directed. As-built plans must be completed and accepted by applicable authorities, as required. Upon final approval, responsibility for the permanent operation and maintenance plan of the construction area will become responsibility of the final owner(s).

Construction Sequencing

The construction project will occur in the following general

sequence: Erosion Control:

- Install perimeter erosion control barriers as shown on the SWPP Plan, SWPPP details, and as described in the Project Data Report.
- Have installation inspected and approved by Holliston Planning Board or designated representative prior to the start of construction.

Site construction (also see complete Site Plan Set Sheets 1-36 of 36 including Sheet 34 SWPPP and details).

The following construction sequence is an example. The final construction sequence shall be provided to the Town of Holliston Planning Board for review and approval prior to start of construction.

1. Coordinate final architectural drawings and engineering site plans prior to construction and/or the purchase of any materials for the site. Contractor shall phase all construction activities to minimize disruption to ongoing business and/or homeowners. Provide proper pedestrian and vehicular signage.
2. Normal construction hours within the project site will be from 7:00 A.M. to 5:00 P.M., Monday through Friday or as defined by the Town of Holliston. Saturday work hours if allowed shall be coordinated with the Town of Holliston. No work will be allowed on the site on Sunday. Should there be any construction activities that may require construction to take place outside of the normal working hours, it will be coordinated with the Town of Holliston Planning Department.
3. Install all temporary construction fencing and signage (for vehicular and pedestrian traffic).
4. Record and document all construction inspections and field reports.

5. Coordinate with Land Surveyor for vertical and horizontal control and construction layout required by the project's construction phasing.
6. Coordinate all required inspections with the Town of Holliston. Provide Town of Holliston with a detailed construction and inspection schedule.
7. Coordinate with the Project Engineer to identify all trees that are to be preserved. Have the site cleared of trees, brush, stumps, existing buildings, and pavement. Prune trees that are to be preserved under the supervision of the Project Engineer.
8. Saw cut and remove existing pavement as required for utility installation. Dispose of all material in accordance with the federal, state, and local requirements.
9. Cut and cap existing utilities in accordance with the specifications set by each utility provider.
10. Stake out the site. Identify temporary stockpile areas, and BMP's.
11. Construct detention basins. Complete related earthwork activities. Install new utilities. Temporarily and/or permanently stabilize work limits as soon as practicable.
12. Construct drainage and BMP's.
13. Construct new building foundation, access roadway, driveways, onsite parking, walkways, and sidewalks.
14. Install binder course and install curbing.
15. Loam and seed all grass areas and BMP's. Install all final site landscaping.
16. Place finish pavement course.
17. Remove all siltation (clean catch basins and inspect BMP's) from the site.
18. Install final signage and pavement markings.
19. Complete an as-built drawing for the site and BMP's for submission to the Town of Holliston Planning Department and Facility Owner.

Construction Phase Emergency Contacts

General Contractor:

T.B.D.

Site Contractor:

T.B.D.

Developer:

CRG Integrated Real Estate Solutions
2199 Innerbelt Business Center Drive
Saint Louis, MO 63114
215-280-5704
petkunasf@realcrg.com

Resident Site Engineer:

T.B.D.

Geotechnical Engineer:

T.B.D.

Record Site Engineer:

Engineering Design Consultants,
Inc.
32 Turnpike Road
Southborough, MA 01772
(508) 480-0225
pbemis@edcma.com

The following Town of Holliston Emergency numbers must be posted/kept on site:

- | | |
|---|--------------|
| ☐ Town of Holliston Police Department | 508-429-1212 |
| ☐ Town of Holliston Fire and Rescue Department | 508-429-4631 |
| ☐ Town of Holliston Planning Department | 508-429-0635 |

Operation & Maintenance Plan: Post Construction

Project Identification

As-Built Drawings - Sheets T.B.D.

Date: T.B.D.

Site Plan Review Drawings - Sheets 1-36

By: Engineering Design Consultants, Inc.

Date: 9/1/23 Rev. 1/24/23

Project Stormwater Design Report

By: Engineering Design Consultants, Inc.

Date: 9/1/23 Rev. 1/24/23

CONDITIONS OF APPROVAL:

NPDES General Permit*

Date: T.B.D.

Site Plan Review

Date: T.B.D.

Permanent Operation and Maintenance Items:

All sediment must be disposed of at an offsite location in accordance with all applicable local, state, and federal regulations.

The facility OWNER is responsible for the Post Construction Operation and Maintenance Program and shall:

- Provide this document and any other documents issued by the Town of Holliston that may further define the Operation and Maintenance program to the party that will be performing the maintenance.
- The OWNER is responsible for making sure that all parties responsible for the maintenance are educated as to what is outlined and required in this program. The program outlined below are the minimum standards required.
- The OWNER is responsible for keeping the necessary documentation that the work was performed as outlined below.

Pavement Maintenance Plan: Roadway and Parking Areas:

Proper management of paved surfaces at the site can significantly limit contaminants that commonly accumulate on asphalt from entering the stormwater management system. Periodic sweeping can be an effective method to reduce pollutant loading in runoff generated from pavement. The road/parking areas should be power swept in the early spring and/or after the last snowstorm event and again in the fall as part of the property cleanup effort after substantial tree and shrub defoliation has occurred.

Snow Storage and Removal from Roadway and Parking Areas:

Snow plowed from the proposed roadway shall be placed onsite or disposed of offsite when required. Any snow that accumulates over the grates of the catch basins shall be removed to ensure that the drainage system functions properly. Under no circumstances shall plowed snow be removed from the road and stockpiled directly into storm water management systems including detention basins.

If required, all excess snow that cannot be placed within the snow storage areas it shall be removed from the site.

Limit the use of winter driveway chemicals (salt/sand). Store winter road chemicals (salt/sand) in appropriate containers and locations that will prevent and/or contain accidental spills from entering the drainage system and/or damage to the surrounding environment.

Drainage System Maintenance Plan:

Regular inspection and routine maintenance are necessary to ensure that the stormwater management system continues to control and treat runoff. Structural components of the site's drainage system must be inspected and maintained on an annual basis and includes, but may not be limited to, the following: drain manholes, pipes, culverts, catch basins (see catch basins), inlet catch basin grates, and curb inlets depending on the project design.

Catch Basins and Drain Manholes:

The sump/hooded/catch basins and drain manholes shall be inspected four times each year and cleaned as needed. Two of the inspections shall occur in the early spring and late fall. See below:

- In early spring the parking area shall be swept of winter debris. After the next following rainfall event the catch basin and drain manholes shall be cleaned of all sediment. Also inspect landscape catch basins (NDS Catch Basins) and remove any winter debris as may be required.
- In late fall after the leaves fall inspect catch basin inlets including the landscape catch basins and drain manholes. Remove leaves as may be required. Also, clean sumps as maybe required.

Contech CDS Separator System Inspection & Cleaning:

Inspection is the key to effective maintenance and is easily performed. Pollutant deposition and transport may vary from year to year, and regular inspections will help insure that the system is cleaned out at the appropriate time. At a minimum, inspections should be performed four times per year, however more frequent inspections may be necessary where frequent winter sanding operations may lead to rapid accumulations. The visual inspection should ascertain that the system components are in working order and that there are no blockages or obstructions to inlet and/or the separation screen. The inspection should also identify accumulations of hydrocarbons, trash, and sediment in the system. Measuring pollutant accumulation can be done with a calibrated dipstick, tape measure or other measuring instrument. It is useful and often required as part of a permit to keep a record of each inspection. (see the inspection and maintenance guide provided by the manufacturer).

The system should be cleaned when sediment accumulates to a depth of two (2) feet within the unit and should be performed during dry weather conditions when no flow is entering the system. Cleanout of the CDS with a vacuum truck is generally the most effective and convenient method of excavating pollutants from the system. Simply remove the manhole covers and insert the vacuum hose into the sump. The system should be completely drained down and the sump fully evacuated of sediment. The area outside the screen should be pumped out also if pollutant build-up exists in this area.

Drainage Outfalls:

The outlets of the stormwater management system must be inspected bi-annually. All outfalls shall be cleaned of all siltation and debris at the completion of the construction process when the site has been stabilized with loam, seed, and landscaping. Any evidence of erosion, structural damage to the outlet, or other damage must be reported to the appropriate onsite homeowner and/or their representative and the applicable town representative. Repairs should be made as soon as possible. Any sediment and/or trash should be removed from the outlet structures and pipes cleaned of all silt.

Riprap:

Riprap at all outlets and inlets must be inspected on a bi-annual basis. Replace and repair any areas of displaced stones. Remove all trash/debris and dispose of offsite. Remove and dispose of all sediment offsite. Correct and reseed any areas that have eroded around the riprap.

Vegetated & Stone Swales:

Vegetated swales should be mowed during spring, summer, and fall to promote growth and pollutant uptake (with grass never cut shorter than the design flow depth - 4 inches). Reseed bare areas and clear off debris and blockages. Cuttings should be removed from the channel and disposed of in a local composting facility. Applications of fertilizers and pesticides should be kept to a minimum. Stone swales shall be inspected and free of sediment and debris. Deposited sediment in swales shall be removed and disposed of offsite. Ruts and holes should be filled and reseeded or stones as appropriate.

Headwalls:

Inspect headwalls on an annual basis. Clear all debris and trash from around headwalls. Check structural stability of wall and for cracks or failures. Repair as needed. Check erosion around area of headwall. Re-loam and seed as required.

Detention Basins:

Preventative maintenance at least twice per year and after every time drainage discharges through overflow. Inspect structure and pretreatment BMP to ensure proper functioning after every major storm event (generally equal or greater to 4.0 inches in 24 hrs.). Rake stone, remove trash and debris, and accumulated organic matter. Any sediment removed shall be disposed of in accordance with MADEP and other applicable requirements. Keeping basin clear of debris, leaves and sediment will ensure that the infiltrative capacity of the basin is

maintained and thus allow the basin to fulfill the design objectives.

Solid Waste: Responsibility: Facility Operator (Lease Holder)

The project site and surrounding areas shall be kept clear of debris and garbage. Onsite receptacle(s) shall be provided, and refuse shall be disposed of offsite at an approved waste facility by an independent Waste Removal Firm.

Hazardous and Mixed Waste:

Store, treat, and/or dispose of hazardous or mixed wastes in accordance with all applicable laws and regulations. Do not bury waste, sanitary waste, or trash onsite. Do not wash vehicles onsite. No dumping is permitted to any of the existing catch basins.

Pet Waste:

Pet wastes are not anticipated at this warehouse site and responsible pet owners understand the importance of picking up and properly disposing of all pet waste.

Spill Control and Response:

The facility operator is responsible for the proper storage of all fuels, lubricants, chemical storage pollutants within this facility. In the event of a spill, immediately notify the appropriate authorities and emergency response as needed.

Prohibition of Illicit Discharges:

There shall be no illegal discharges of any material from this site to the proposed drainage and/or sanitary sewerage systems.

Annual Log O&M Activities:

The facility Operator shall maintain a log of all operations and maintenance activities for a minimum of three (3) years periods that shall include records of inspections, repairs, systems replacement, and sediment collection and disposal.

Estimated O&M Budget:

It is anticipated that the annual budget for operation and maintenance of the stormwater management system will range between \$20,000 and \$30,000 dependent upon the level of sediment deposition outside of the collection system which emphasizes the need to maintain a clean site.