

Project: Canal Landing New Yard

Site Location: Portland, ME

Permanent Seeding Temporary Seeding

- Area to be Seeded: Approximately 0.5 acre(s) or ___/M. Sq. Ft.
- Instructions on Preparation of Soil: Prepare a good seed bed for planting method used.
- Apply Lime as Follows: ___ #/acres or 138# ___/M Sq. Ft. or per soil test
- Fertilizer: ___ pounds of ___ N-P-K/ac.

20 pounds of 10-10-10 N-P-K/M Sq. Ft. or per soil test

- Method of Applying Lime and Fertilizer: Spread and work into the soil before seeding.
- Seed with the following mixture:

Annual Rye-grass 50%
Timothy 25%
Winter Rye 25%

- Mulching Instructions: Apply at the rate of ___ tons per acre or 230 pounds per M. Sq. Ft.

8. Application:

Type/Unit/Tons, Etc. Total Lime 138#/1,000 s.f. Total Fertilizer 20#/1,000 s.f. Total Seed 1#/1,000 s.f. Total Mulch 230#/1,000 s.f. Total Other

- Remarks: For areas with slopes >10% and fall and winter erosion control areas, mulch netting shall be used per manufacturer's specifications.

R Permanent seeding should be made prior to September 1 or as a dormant seeding after the first killing frost and before the first snowfall. If seeding cannot be done within these seeding dates, temporary seeding and mulching shall be used to protect the site. Permanent seeding shall be delayed until the next recommended seeding period.

Fertilizer requirements shall be subject to actual test results of the topsoil used for the project. The Contractor shall be responsible for providing topsoil test results for pH and recommended fertilizer application rates to the Owner.

Seed mixture shall be fresh, clean, new crop seed. Seed may be mixed by an appropriate method on the site or may be mixed by the dealer. If the seed is mixed on the site, each variety shall be delivered in the original containers bearing the dealer's guaranteed analysis. If seed is mixed by the dealer, the Seeding Contractor shall furnish to the Owner the dealer's guaranteed statement of the composition of the mixture and the percentage of purity and germination of each variety.

Seed shall be purchased from a recognized distributor and shall test to a minimum percentage of 95% for purity and 85% for germination.

All loam shall have compost or peat admixtures to raise the organic content to 6%.

APPENDIX B

Sample Erosion Control Compliance Certification and Inspection Forms

MAINE CONSTRUCTION GENERAL PERMIT CONTRACTOR/SUBCONTRACTOR CERTIFICATION

PROJECT INFORMATION

Project Name: Canal Landing New Yard
Address: Portland, Maine

CONTRACTOR/SUBCONTRACTOR INFORMATION

Firm Name:
Address:
Telephone:
Type of Firm:

CERTIFICATION STATEMENT

"I certify under penalty of law that I understand the terms and conditions of the Maine Construction General Permit (MCGP) permit that authorizes the stormwater discharges associated with construction activity from the project site identified as part of this certification."

Signature _____
Typed Name _____
Title _____
Date _____

PROJECT INFORMATION

Project Name: Canal Landing New Yard
Address: Portland, Maine

INSPECTOR INFORMATION

Representative Name: _____
Firm: _____
Title: _____
Qualifications: _____
Weather and Soil Conditions: _____

INSPECTION SUMMARY

Date of Inspection: _____
Major Observations: _____

- Attach the following to the Report:

- A description of the condition of the runoff at all points of discharge from the construction site and sampling to determine the NTU. This shall include identification of any discharges of sediment from the construction site. Include discharges from conveyance systems (i.e. pipes, culverts, ditches, etc.) and overland flow;
- A description of the condition of all natural surface water bodies located within, or immediately adjacent to, the property boundaries of the construction site which received runoff from disturbed areas. This shall include identification of any discharge of sediment to the surface water body;
- Identification of all erosion and sediment control practices that need repair or maintenance.
- Identification of all erosion and sediment control practices that were not installed properly or are not functioning as designed and need to be reinstalled or replaced;
- Description and sketch of areas that are disturbed at the time of the inspection and areas that have been stabilized (temporary and/or final) since the last inspection;
- Current phase of construction of all post-construction stormwater management practices and identification of all construction that is not in conformance with the SWPP and technical standards;
- Corrective action(s) that must be taken to install, repair, replace or maintain erosion and sediment control practices; and to correct deficiencies identified with the construction of the post-construction stormwater management practice(s); and
- Digital photographs, with date stamp, that clearly show the condition of all practices that have been identified as needing corrective actions. The qualified representative shall attach paper color copies of the digital photographs to the inspection report being maintained onsite within seven (7) calendar days of the date of the inspection. The qualified representative shall also take digital photographs, with date stamp, that clearly show the condition of the practice(s) after the corrective action has been completed. The qualified representative shall attach paper color copies of the digital photographs to the inspection report that documents the completion of the corrective action work within seven (7) calendar days of that inspection.

- Within one business day of the completion of an inspection, the qualified representative shall notify the owner the appropriate contractor or subcontractor of any corrective actions that need to be taken. The contractor or subcontractor shall begin implementing the corrective actions within one business day of this notification and shall complete the corrective actions in a reasonable time frame.

- All inspection reports shall be signed by the qualified representative. The inspection reports shall be maintained on site with the SWPP and distributed via email at the time of filing.

THE FACILITY IS IN COMPLIANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN WITH THE FOLLOWING EXCEPTIONS:

ACTIONS NECESSARY TO BRING FACILITY INTO COMPLIANCE:

REQUIRED MODIFICATIONS TO STORMWATER POLLUTION PREVENTION PLAN (MUST BE SUBMITTED WITHIN 2 DAYS OF INSPECTION TO OWNER FOR APPROVAL):

CERTIFICATION STATEMENT:

"I certify under penalty of law that this document and all Appendices were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the systems, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature _____
Typed Name _____
Title _____
Date _____

DirtGlue™ Application and Use Requirements

DIRTGLUE™ APPLICATION INSTRUCTIONS FOR DUST CONTROL

METHODOLOGY

L. Heavy Duty Driving Surface

Application Rates (per surface area)

DirtGlue™ polymer emulsion: 2,400 gallons
Water: 3,600 -14,400 gallons

Application Process

- Loosen the existing soil using a scarifying attachment mounted on a grader (or similar piece of equipment) or a tractor with an agriculture disk attachment. If additional soil is required, it should be applied and mixed into the existing soil at this time. It is important to loosen the soil to ensure penetration of the DirtGlue™/water mixture into the soil.
- Apply DirtGlue™/water mixture to soil using a water truck equipped with a gravity feed drip bar, spray bar, or automated distributor truck. Multiple passes will be necessary to get the desired amount of DirtGlue™ polymer emulsion for the specific application. Multiple passes will also ensure gradual, thorough saturation of the soil.
- Thoroughly blend the DirtGlue™/water mixture into the soil with a rototiller, "S" harrow, or similar attachment. The soil must be evenly mixed and saturated with the DirtGlue™/water mixture to a depth of four (4") inches.
- Grade the soil to finish grade with a grader, a small dozer or other suitable equipment.
- Compact the soil with a vibratory roller. The final compaction should be greater than asphalt (Strive for 100% compaction, but always in excess of 95%).
- Immediately after compacting, apply a topcoat of DirtGlue™ polymer emulsion to seal the road surface. In order to ensure a longer life and superior performance of the application, an additional coat should be applied between twenty four to forty eight hours after completion and then annually as an ongoing maintenance procedure. This topcoat should be applied at a rate of 250 gallons per surface acre.

B. Temporary Light Duty Driving Surface

This type of application will provide acceptable performance when used by cars and light trucks. It is not intended for constant use by heavy-duty trucks and/or tracked construction equipment. Areas that will be used by this type of equipment should be treated as a heavy-duty application as noted above.

Application Rates (per surface acre)

DirtGlue™ polymer emulsion: 1,200 gallons
Water: 3,600-6000 gallons

Application Process:

- Loosen the existing soil for a depth of two (2") inches using a scarifying attachment mounted on a grader (or similar piece of equipment) or a tractor with a rototiller or agriculture disk attachment. If additional soil is required, it should be applied and mixed into the existing soil at this time. It is important to loosen the soil to ensure penetration of the DirtGlue™/water mixture into the soil.
- Apply DirtGlue™/water mixture to soil using a water truck equipped with gravity feed drip bar, spray bar, or automated distributor truck. Multiple passes will be necessary to get the desired amount of DirtGlue™ polymer emulsion for the specific application. Multiple passes will also ensure gradual, thorough saturation of the soil. Do not apply the DirtGlue™/water mixture so heavy as to create run-off.
- Grade the soil to finish grade with a grader, a small dozer or other suitable equipment.
- Compact with a vibratory roller. The final compaction should be greater than asphalt (Strive for 100% compaction, but always in excess of 95%).
- Immediately after compacting, apply a topcoat of DirtGlue™ polymer emulsion to seal the road surface. In order to ensure a longer life and superior performance of the application, an additional coat should be applied between twenty four to forty eight hours after completion and then again annually as an ongoing maintenance procedure.

C. Dust & Erosion Control (Non-driving Areas)

This type of application is intended for pedestrian use only. Vehicular use will break through the skin and adversely affect the performance of the application. Areas that will require any vehicular use should be treated as a light-duty application as noted above or retreated as traffic damage occurs.

Application Rates (per surface acre)

DirtGlue™ polymer emulsion: 300 gallons (windblown dust control)
600 gallons (bank stabilization, erosion/silt, run-off control)
Water: 2,000-6,000 gallons

Application Process

- Apply DirtGlue™/water mixture to existing soil using a water truck equipped with a gravity feed spray bar or tank and pump (i.e. hydro seeder).
- Add DirtGlue™ to water rather than water to DirtGlue™ or place a fill hose at bottom of tank, underneath surface of liquid to prevent foaming.
- When applying DirtGlue™/water mixture, dispense large droplets. Avoid any fine mist. The intent is to apply a sheet of liquid onto the soil.
- It is important to determine the moisture content of the soil prior to starting an application. The moisture content will have an effect on the dilution ratio of the DirtGlue™/water mixture. Your DirtGlue™ representative will assist you in determining the

correct dilution ratio for the conditions on your site.

- Temperature and, to a lesser extent, humidity have a significant effect on curing/drying time. Testing has shown that applications should be done only when the air temperature will be above 50° F for at least 72 hours following the application. Soil temperature must be above 40° F for several days.

- The DirtGlue™ application must be protected from the rain until the curing process has formed a skin on the surface. Uncured DirtGlue™ is water soluble. If the application is exposed to rain before it has the opportunity to cure, the rainwater will dilute the polymer and wash it out of the soil. If this happens, the application will not be as strong.

CONDITIONS FOR USE OF DIRTGLUE™ (REGISTERED TRADEMARK OF DIRTGLUE™ ENTERPRISES) APPROVED MATERIALS LIST

Applicant: DirtGlue™ Enterprises

General Conditions

- DirtGlue™ Enterprises shall ensure that every applicator of DirtGlue™™ is provided a copy of these conditions.
- These Conditions do not override the need for any applicator to obtain permits (including DEP permits) or approvals that may be required (e.g., use associated with activities in or near regulated wetlands, surface waters, or other regulated natural resources).
- DirtGlue™ shall only be used as stated in these conditions and shall not be mixed with any other chemicals, including petroleum products.
- No application shall be conducted when the National Weather Service forecasts greater than 25% probability of precipitation in the application area to occur within 24 hours, or the temperature will drop below 35° F anytime within 24 hours after the application.
- Applications shall not be conducted when the ground is saturated (due to precipitation or wetting) as defined by visible pools of water at or in the vicinity of the application, in order to prevent movement of DirtGlue™™ beyond the shoulder of the road.
- DirtGlue™ must not be applied or handled in a manner that could result in spillage or application within 100 feet of a wetland regulated by New York State, or 50 feet of all other water bodies and bridges.
- Any spill which could enter the waters of the state shall be reported to the DEC Spills Hotline within two hours (1-800-457-7362). Any required response (including any needed cleanup) in addition to that being conducted shall then be determined by the DEC regional office.
- The time of application shall be chosen to take meteorological conditions into account, to avoid significant potential airborne odor impacts.
- Prior to application, DirtGlue™ Material Safety Data Sheet shall be provided to applicators and others who would come in proximity or contact with the material.

		PROJECT CANAL LANDING	DeLUCA-HOFFMAN ASSOCIATES, INC. 778 MAIN STREET, SUITE 8 SOUTH PORTLAND, ME 04108 207.775.1121 WWW.DELUCAHOFFMAN.COM
SHEET TITLE EROSION CONTROL NARRATIVE		CLIENT NEW YARD LLC 58 FORE STREET PORTLAND, ME 04101	
DRAWN: LA DESIGNED: RJW CHECKED: SRB FILE NAME: 3091-DET SHEET	DATE: SCALE: AS SHOWN JOB NO. 3091	C-6.6	

PRELIMINARY - NOT FOR CONSTRUCTION