### Water Quality Management

Use dry formulations of 38-0-0 ureaform, 32-0-0 to 38-0-0 sulfur coated products, or other approved products, or a combination of dry and liquid formulations, for seed and soil supplementations. For the purpose of maintaining seed and soil quality, these products are to be used in the quantities specified in Table A.

#### Maintenance
Properly maintain mulched areas until the entire project has been completed or until the project has been transferred to the Maintenance Department. Test application procedures to ensure conformance with specifications.

### Mulch

- **Wood Chips**: Chipped wood from predominantly live trees, not exceeding 100 cubic yards per package, with net weight shown on the package. Mulch must be free from rocks, bark, roots, and other debris and must be free from any toxic materials that could inhibit plant growth. It must be free from mature seed-bearing stalks or roots of prohibited species.

- **Hydraulically Applied Wood-Cellulose Fiber**: It may be incorporated as an integral part of the slurry after the seed and soil supplements have been thoroughly mixed. It can be used as a soil conditioner or a soil amendment.

### Seed

- **Annual Ryegrass (Lolium multiflorum)**: This seed is recommended for temporary seeding or mulching in areas that will be disturbed. It is a short-duration grass that can be used to suppress weeds and improve seedbed conditions for more permanent grasses.

### Inoculating Legumes

- **Leguminous Seed**: Inoculate leguminous seed with proper cultures, in accordance with Table A. If inoculated seed is held in a slurry with fertilizers for more than 1 hour, re inoculate the seed.

### Inoculating Soil

- **Soil Inoculation**: On topsoiled areas, where temporary seeding or mulching has been applied, the contractor shall notify all utility companies through the Pennsylvania One Call System prior to the commencement of work. Stockpile slopes must be kept at least 2:1 or flatter.

### Sediment Pollution Control Details

#### Storm Water Inlets

- **Inlet Protection**: Storm water inlets which do not discharge to sediment traps or basins must be protected with rock filters. Stockpile slopes must be kept at least 2:1 or flatter.

#### Bulk Material

- **Bulk Material**: Bulk material loaded onto the site must be covered to prevent sediment from leaving the site. Criteria for the protection of soil and water must be met.

### Other

#### Soil and Erosion Sedimentation Control

- **Sediment Pollution Control Details**: Sediment pollution control measures must be in place during the construction phase of the project. The contractor shall notify the Engineer in writing by the 15th of each month of the estimated amount of material stockpiled on the site.

### Miscellaneous Soil & Erosion

- **Sediment Pollution Control Details**: Sediment pollution control measures must be in place during the construction phase of the project. The contractor shall notify the Engineer in writing by the 15th of each month of the estimated amount of material stockpiled on the site.

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<table>
<thead>
<tr>
<th><strong>Table A: Seed and Soil Supplements</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Item</strong></td>
</tr>
<tr>
<td>--------------------------------------</td>
</tr>
<tr>
<td>Annual Ryegrass (Lolium multiflorum)</td>
</tr>
<tr>
<td>Coarse grade</td>
</tr>
<tr>
<td>Minimum %</td>
</tr>
<tr>
<td>Maximum Total</td>
</tr>
<tr>
<td>Minimum %</td>
</tr>
<tr>
<td>Maximum Total</td>
</tr>
</tbody>
</table>

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### License Information

- **Registering Surveyor**: P Registering Surveyor

### Project Details

- **Date**: 10/03/12

### Site Maintenance

- **Maintenance**: The maintenance of the right of way will be performed by the Contractor to ensure proper control of sediment and water pollution. The Contractor shall notify the Engineer in writing by the 15th of each month of the estimated amount of material stockpiled on the site.
INSTALL 385'-12" D.I. PIPE ALONG AND ACROSS CENTER AVENUE (BASE BID)
INSTALL 585'-12" P.V.C. PIPE ALONG AND ACROSS CENTER AVENUE (ALTERNATE BID)

Note: The design of this waterline relocation was prepared by the Engineering Department of the Municipal Authority of the Borough of West View.