SCHMITT ELEMENTARY SCHOOL
LEARNING LANDSCAPE PLAYGROUND IMPROVEMENTS
PROJECT NO. 8259
DENVER PUBLIC SCHOOLS
900 Grant Street
Denver, Colorado 80203-2996

ISSUE FOR BID
March 28, 2011
STORMWATER MANAGEMENT PLAN (SWMP)

GENERAL REQUIREMENTS:

The Stormwater Management Plan (SWMP) is an essential component of the construction process, providing a structured approach to managing water quality and erosion control. The plan outlines the measures and protocols necessary to prevent erosion and maintain water quality during construction and rehabilitation projects. The SWMP is designed to ensure compliance with local, state, and federal regulations, and it serves as a guide for contractors and project managers to implement best practices for environmental protection.

The SWMP includes the following key components:

1. **Stormwater Management Controls**
   - **Notices and Permits**: Identify the notices and permits required for the project.
   - **Construction Activity Measures**: Specify the procedures and controls to minimize stormwater impacts.
   - **Erosion Control Plans**: Detail plans for preventing soil erosion and sedimentation.

2. **Maintenance and Final Stabilization**: Procedures for maintaining stormwater control structures during construction and ensuring their functionality after project completion.

3. **Stormwater Management Plan for Construction Activity**: An overview of the SWMP, including objectives, strategies, and implementation guidelines.

4. **Erosion Control Plans**: Specific plans for controlling erosion during construction.

STORMWATER MANAGEMENT PLANS

Notices and Permits:

- **Notice of Construction Activity**:
  - **Purpose**: To inform the public and regulatory agencies about construction activity.
  - **Requirements**: Submit plans, schedules, and other documents to the appropriate authority.
  - **Verification**: Conduct regular inspections to ensure compliance.

Construction Activity Measures:

- **Construction Activity Controls**:
  - **Silt Fence Installation**: Use silt fences to trap sediment before it enters storm drains.
  - **Soil Stabilization**: Apply soil stabilization materials to prevent erosion.
  - **Temporary Sediment Basins**: Construct temporary basins to collect and settle sediment.

Erosion Control Plans:

- **Plan Development**:
  - **Site Surveys**: Conduct detailed site surveys to identify erosion prone areas.
  - **Erosion Control Measures**: Implement measures such as straw bales or erosion control blankets.
  - **Monitoring**: Regularly monitor progress and adjust plans as needed.

Erosion Control Plans for Construction Activity:

- **Plan Coordination**:
  - **Contractor Responsibilities**: Clearly define the role and responsibilities of the contractor.
  - **Surveillance and Feedback**: Establish a system for feedback and continuous improvement.

Maintenance and Final Stabilization:

- **Post-Construction Care**: Ensure proper maintenance of stormwater control structures.
- **Final Stabilization**: Implement permanent stabilization measures after construction.

STORMWATER MANAGEMENT Controls

DENVER PUBLIC SCHOOLS
DEPARTMENT OF FACILITY MANAGEMENT
SCHMITT ELEMENTARY SCHOOL
1820 S. Vallejo St., Denver, CO 80223-3710

03/28/11

APPROVED FOR ISSUING

DENVER PUBLIC SCHOOLS
APPROVED CONTRACT DOCUMENT

EROSION CONTROL

NOTES

CG501

24
### Equipment Schedule

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### Sprinkler Schedule

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### Pipe Schedule

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<td>3&quot;</td>
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### Irrigation Notes

1. The irrigation system shall be designed, installed and tested in accordance with the specifications and the requirements of the following codes:
   - ASCE Standard 8-2002
   - NFPA 1961
   - UL 1973

2. All sprinklers shall be sized and located to provide adequate coverage of the area being irrigated, taking into account the slope, aspect, and soil type.

3. The irrigation system shall be tested for proper operation before the construction is completed.

4. The irrigation system shall be designed to operate on a regular schedule, taking into account the needs of the plants and the local weather conditions.

5. The irrigation system shall be equipped with a backflow preventer to prevent backflow of water into the potable water supply.

6. The irrigation system shall be equipped with a pressure regulator to maintain a constant water pressure throughout the system.

7. The irrigation system shall be equipped with a timer to control the irrigation schedule.

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## EQUIPMENT SCHEDULE

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<th>SYMBOL</th>
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<td>A</td>
<td>POINT OF CONNECTION</td>
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</tr>
<tr>
<td>B</td>
<td>SEWING ELBOW 300 PVC</td>
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<tr>
<td>C</td>
<td>PAGER ORNAMENT TO LAMP UPLIGHTING</td>
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<tr>
<td>D</td>
<td>MARINE RING 300 PVC</td>
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<tr>
<td>E</td>
<td>PING-PONG TABLE AND BENCHES</td>
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<tr>
<td>I</td>
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## SYMBOLS

- **A**: POINT OF CONNECTION
- **B**: SEWING ELBOW 300 PVC
- **C**: PAGER ORNAMENT TO LAMP UPLIGHTING
- **D**: MARINE RING 300 PVC
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- **I**: upSPread DRAIN 12 PVC

## KEY PLAN

- **A**: WATER VALVE ASSEMBLY
- **B**: PLAY SENSOR ASSEMBLY = SINK LOWERING BUMP 1.5" D/B
- **C**: SUPPORT CONTROL VALVE LOWERING HIGH PRESSURE CHECKING VALVE (DRAIN 24 PVC) D/B 0.50" ASHBY 1000 SERIES
- **D**: SUPPORT LOWERING HIGH PRESSURE CHECKING VALVE (DRAIN 24 PVC) D/B 0.50" ASHBY 1000 SERIES
- **E**: PLAY SENSOR ASSEMBLY

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**DENVER PUBLIC SCHOOLS**

**SCHMITT ELEMENTARY SCHOOL**

1820 S. Valley St., Denver, CO 80223-3710

**IRRIGATION PLAN**

**SWL, No. 28**

**LI101**