### B-4-5 STANDARDS AND SPECIFICATIONS FOR PERMANENT STABILIZATION

#### TO ESTABLISH DISTRIBUTED SOLID ARTICLES ON PERMANENT STABILIZATION

#### DESIGN

1. **GENERAL SPECIFICATIONS**
   - **CLOSURE OF CONTRACT**:
     - All portions of this project are to be completed as per the contract.
   - **SUB-MATERIALS**:
     - All sub-materials, including but not limited to, aggregate, soil, and organic materials, must conform to the specifications outlined in the design.
   - **PERMANENT SEEDING SUMMARY**
     - The permanent seeding summary includes a list of seed mixtures, rates, and application methods.
   - **PERMANENT SEEDING**
     - The permanent seeding must be applied according to the specified rates and methods as outlined in the contract.

#### EROSION AND SEDIMENT CONTROL

1. **EROSION AND SEDIMENT CONTROL NOTES**
   - **SITE PLAN**
     - Site plans must be submitted for review and approval by the appropriate authority before the construction begins.
   - **STOCKPILE AREA**
     - Stockpile areas must be designed and constructed in accordance with the specifications outlined in the contract.
   - **STORAGE**
     - All materials must be stored in a manner that prevents erosion and sedimentation.

#### H-5 STANDARDS AND SPECIFICATIONS FOR DUST CONTROL

1. **DUST CONTROL**
   - **CONTROLLING THE EMISSION OF DUSTS FROM MATERIALS AND EQUIPMENT**
     - All materials and equipment must be operated in a manner that minimizes the emission of dusts.
   - **CONTROL OF DUST**
     - All dust control measures must be in place and operational before the start of the project.

#### B-4-8 STANDARDS AND SPECIFICATIONS FOR STOCKPILE AREA

1. **STOCKPILE AREA**
   - **LOCATION**
     - Stockpile areas must be located in a manner that minimizes the potential for erosion and sedimentation.
   - **STORAGE**
     - All materials must be stored in a manner that prevents erosion and sedimentation.

### PERMANENT SEEDING SUMMARY

<table>
<thead>
<tr>
<th>MG</th>
<th>SPECIES</th>
<th>DESCRIPTION</th>
<th>SEED RATES</th>
<th>EXPECTED SEEDS/KG</th>
<th>EXPECTED SEEDS/FLA.</th>
<th>COVERAGE RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>TALL FESCUE</td>
<td>NO</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>SHORT FESCUE PERSONAL_PREFERENCE</td>
<td>0-15</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>BERMUDA GRASS</td>
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<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>DOUGLAS FESCUE</td>
<td>0-15</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td></td>
</tr>
</tbody>
</table>

*FOR SEDIMENT CONTROL ONLY*
B-4-3 STANDARDS AND SPECIFICATIONS
FOR SEEDING AND MULCHING

FOR COMPLETE SPECIFICATIONS, SEE APPENDIX A, ATTACHED.

TO PROTECT EXISTING SOIL FROM EROSION DURING AND AT THE END OF CONSTRUCTION.

TO THE SURFACE OF ALL PAVING CONTROL, SLOPE, AND FUNDED CUTS AS SHOWN ON THE PYTHON SHEETS.

STV Incorporated
7324 Anteus Street, Suite 200
Burbank, California 91505

APPLICATION OF SEED AND MULCH TO SUBGRADE (BORDERING ROADS)

5. SEEDING

5.1. PERFORMANCE IS TO BE MONITORED IMMEDIATELY FOLLOWING APPLICATION OF SEED TO PREVENT

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5.1.2. PERFORMANCE IS TO BE MONITORED IMMEDIATELY FOLLOWING APPLICATION OF SEED TO PREVENT

5.1.3. PERFORMANCE IS TO BE MONITORED IMMEDIATELY FOLLOWING APPLICATION OF SEED TO PREVENT

5.2. SEEDING

5.2.1. SEED OF THE TYPE AND SPECIES SEEN ON THE PYTHON SHEETS IS TO BE USED.

5.2.2. SEED OF THE TYPE AND SPECIES SEEN ON THE PYTHON SHEETS IS TO BE USED.

5.2.3. SEED OF THE TYPE AND SPECIES SEEN ON THE PYTHON SHEETS IS TO BE USED.

5.2.4. SEED OF THE TYPE AND SPECIES SEEN ON THE PYTHON SHEETS IS TO BE USED.

5.3. MULCHING

5.3.1. MULCH IS TO BE PLACED ON THE SURFACE OF ALL PAVING CONTROL, SLOPE, AND FUNDED CUTS AS SHOWN ON THE PYTHON SHEETS.

5.3.2. MULCH IS TO BE PLACED ON THE SURFACE OF ALL PAVING CONTROL, SLOPE, AND FUNDED CUTS AS SHOWN ON THE PYTHON SHEETS.

5.3.3. MULCH IS TO BE PLACED ON THE SURFACE OF ALL PAVING CONTROL, SLOPE, AND FUNDED CUTS AS SHOWN ON THE PYTHON SHEETS.

5.3.4. MULCH IS TO BE PLACED ON THE SURFACE OF ALL PAVING CONTROL, SLOPE, AND FUNDED CUTS AS SHOWN ON THE PYTHON SHEETS.

B-4-4 STANDARDS AND SPECIFICATIONS
FOR TEMPORARY STABILIZATION

INTRODUCTION

TO STABILIZE CONTAINED SOLDS WITH EROSION CONTROL FOR TEMPORARY SLOPING RELIEF.

TO LAST PART OF GROWING SEASON (2) FOUNTS COMPOSED OF CONTAINED SOLDS.

CONDITIONS PRIOR TO USE:

EXPLoRED FOR A PERIOD OF ALONGassi RODS AS AND ON THE AREA OF ICAUGING AS REQUIRED FOR LENGTH. FOR THE LATERAL

STABILIZATION OF THE POOR STABILIZED SUBGRADE, SUCH AS FOR TEMPORARY SLOPING RELIEF, IS TO BE APPLIED.

STABILIZATION SUMMARY

TABLE 4-4-4 SPECIFICATIONS

PROPERTY | TEST METHODS | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9
--- | --- | --- | --- | --- | --- | --- | --- | --- | ---
TEST MATERIAL | SG | SG | SG | SG | SG | SG | SG | SG
SAND | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55
SOIL | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55
MIXTURE | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55

H-1 STANDARDS AND SPECIFICATIONS
FOR MATERIALS

TABLE H-1 SPECIFICATIONS

PROPERTY | TEST METHODS | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9
--- | --- | --- | --- | --- | --- | --- | --- | --- | ---
TEST MATERIAL | SG | SG | SG | SG | SG | SG | SG | SG
SAND | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55
SOIL | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55
MIXTURE | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55

MAINTENANCE OF SEDIMENT CONTROL

CONTRIBUTION SMALL ENOUGH TO THE PROJECT, SIMILAR TO OTHER SEDIMENT CONTROL IMPLEMENTATION.

UTILITY CONSTRUCTION NOTE

UTILITY CONSTRUCTION NOTE

TEMPORARY STABILIZATION NOTE

TRAFFIC BASIN FLOW DIVERSION NOTE

TRAPP INSPECTOR NOTE

ESC INSPECTOR NOTE

*CASCADE INSPECTOR NOTE

*FOR SEDIMENT CONTROL ONLY"
B-3 STANDARDS AND SPECIFICATIONS
FOR VEGETATIVE STABILIZATION

B-4-1 STANDARDS AND SPECIFICATIONS
FOR INCREMENTAL STABILIZATION

B-4-2 STANDARDS AND SPECIFICATIONS
FOR SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS

VOCABULARY

ASTM: American Society for Testing and Materials
B-6: Building Code
BS: British Standards
CE: Construction Procedure
CNS: Construction specifications
CSA: Canadian Standards Association
DRAINAGE Ditch
EROSION CONTROL
FLOODING
FLOODPLAIN
GIS: Geographic Information Systems
HDD: Horizontal Directional Drilling
IJC: Illinois Natural Resources
ILC: Illinois Department of Conservation
MOW: Municipal Operations
MUTCD: Manual on Uniform Traffic Control Devices
PI: Public Information
POLICE: Public Safety
PTE: Public Transportation
RDL: Right of Way
RIP: Railroad
SALT: Salt
SAND: Sand
SOD: Sod
STATE: State of Illinois
STV: Stavus
TOL: Toll
USDOT: U.S. Department of Transportation
WSDOT: Washington State Department of Transportation
WTR: Water Treatment
X:\E:\IL\DOE\Erosion
Y:\E:\IL\DOE\Civil Engineering
Z:\E:\IL\DOE\Environmental Engineering

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Erosion and Sediment Control Notes

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