EROSION CONTROL REPORT
FOR LOT 5, CAMERON PARK, SECOND FILING

Lot 5 is in a high rainfall erodibility zone and in a moderate wind erodibility zone. The lot slopes from Northwest to Southeast at an approximate slope of 8.6%. It is proposed to construct two office buildings with walk out basements on the lot. The basements will be excavated and then the foundations poured immediately. The parking lot will be graded at the same time as the excavation. The required erosion control effectiveness will be met by placing at least 7,000 square feet of gravel base material in the parking lot as soon as the parking lot is graded. Also, straw bales will be placed across the driveway where the runoff discharges into the Cameron Drive gutter. A silt fence will also be placed along the Southerly property line and along Cameron Drive from the driveway Southerly to the Southeast corner of the lot, and along the Westerly property line of Lot 5.

Richard A. Rutherford, P.E. & L.S.
Erosion Control Cost Estimate for Lot 4, Cameron Park, Second Filing

1. 460 L.F. of Silt Fence @ $2.50/FT.  $1150

2. Straw Bale Dike  $100

3. Re-seeding 25,801 S.F. @ $0.0289/S.F.  $746

Escrow Amount = 1.5 x $1250 = $1875

Richard A. Rutherford
Richard A. Rutherford, P.E. & L.S.
<table>
<thead>
<tr>
<th>DEVELOPED SUBBASIN</th>
<th>ERODIBILITY ZONE</th>
<th>Asb (ac)</th>
<th>Lsb (ft)</th>
<th>Ssb (%)</th>
<th>Lb (feet)</th>
<th>Sb (%)</th>
<th>PS (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOT 5</td>
<td>HIGH</td>
<td>0.59Ac.</td>
<td>175'</td>
<td>2.86%</td>
<td>175'</td>
<td>2.86%</td>
<td>81.8%</td>
</tr>
</tbody>
</table>

RAINFALL PERFORMANCE STANDARD EVALUATION

PROJECT: LOT 5, CAMERON PARK, SECOND FILING

COMPLETED BY: RAR

DATE: Aug. 24, 1995
# Effectiveness Calculations

**Project:** Lot 5, Cameron Park, Second Filing  
**Completed By:** P.A.R  
**Date:** Aug. 28, 1995

<table>
<thead>
<tr>
<th>Erosion Control Method</th>
<th>C-Factor Value</th>
<th>P-Factor Value</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bare Soil</td>
<td>1.00</td>
<td>1.00</td>
<td>0.256</td>
</tr>
<tr>
<td>Foundation</td>
<td>0.01</td>
<td>1.00</td>
<td>0.114 Ac.</td>
</tr>
<tr>
<td>Undisturbed</td>
<td>0.07</td>
<td>1.00</td>
<td>0.060 Ac.</td>
</tr>
<tr>
<td>Gravel Base</td>
<td>0.05</td>
<td>1.00</td>
<td>0.160 Ac.</td>
</tr>
<tr>
<td>Silt Fence</td>
<td>1.00</td>
<td>0.50</td>
<td></td>
</tr>
<tr>
<td>Straw Bales</td>
<td>1.00</td>
<td>0.80</td>
<td></td>
</tr>
</tbody>
</table>

**Major Basin | PS (%) | Sub Basin | Area (Ac) | Calculations**

| Lot 5 | 81.8% | Lot 5 | 0.59 Ac |

\[
WTD. C = \left[ \frac{1.00 \times 0.256}{} + (0.01 \times 0.114) + (0.07 \times 0.060) + (0.05 \times 0.160) \right] \div 0.59
\]

\[
WTD. C = \frac{0.2694}{0.59} = 0.457
\]

\[
WTD. P = 0.50 \times 0.80 = 0.40
\]

\[
EFF. = \left[ 1.0 - (0.457 \times 0.40) \right] \times 100 = 81.8\%
\]
CONSTRUCTION SEQUENCE

PROJECT: LOT 5, CAMERON PARK, SECOND FILING

SEQUENCE FOR 1995 ONLY COMPLETED BY: RAE DATE: Aug. 24, 1995

Indicate by use of a bar line or symbols when erosion control measures will be installed. Major modifications to an approved schedule may require submitting a new schedule for approval by the City Engineer.

<table>
<thead>
<tr>
<th>YEAR</th>
<th>MTH</th>
<th>1995</th>
<th>1996</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

OVERLOT GRADING

WIND EROSION CONTROL
- Soil Roughing
- Perimeter Barrier
- Additional Barriers
- Vegetative Methods
- Soil Sealant
- Other

GRAVEL BASE

RAINFALL EROSION CONTROL

STRUCTURAL:
- Sediment Trap/Basin
- Inlet Filters
- Straw Barriers
- Silt Fence Barriers
- Sand Bags
- Bare Soil Preparation
- Contour Furrows
- Terracing
- Asphalt/Concrete Paving
- Other

FOUNDATION

GRAVEL BASE

VEGETATIVE:
- Permanent Seed Planting
- Mulching/Sealant
- Temporary Seed Planting
- Sod Installation
- Nettings/Mats/Blankets
- Other

STRUCTURES: INSTALLED BY MAINTAINED BY

VEGETATION/MULCHING CONTRACTOR

DATE SUBMITTED APPROVED BY CITY OF FORT COLLINS ON

HDI/SF-C: 1989

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For additional information or an official copy, please contact City of Fort Collins Utilities 700 Wood Street Fort Collins, CO 80524 USA