STABILIZE SLOPE AREAS
WITH SEED & MULCH
(INSTALL EROSION CONTROL
BLANKETS WHERE NECESSARY)

NOTE:
ROOF TOP RUN OFF
WILL BE DISPERSED ON LAWN
AREAS NEAR TOWN HOUSES

NEW 3' DIA,
CONC. RISER PIPE
STONE LINED
WATERWAY
PROPOSED
FOREBAY
PROPOSED
FINISH GRADE
PROPOSED
RETENTION POND
STABILIZE SLOPE AREAS
WITH SEED & MULCH
(INSTALL EROSION CONTROL
BLANKETS WHERE NECESSARY)

KEY
STABILIZED
CONSTRUCTION
ENTRANCE
SCE
STONE CHECK
DAM
SILT FENCE
STONE LINED
WATERWAY
PIPE OUTLET
PROTECTION

STABILIZED
CONSTRUCTION
ENTRANCE
(SCE)

NOTE:
THE STABILIZED CONSTRUCTION
ENTRANCE SHALL NOT BE CONSTRUCTED WITHOUT A
VALID NYSDOT HIGHWAY WORK PERMIT
TABLE 1: POST PROPERTIES & DIMENSIONS

<table>
<thead>
<tr>
<th>POST SIZE (mm²)</th>
<th>I (mm³)</th>
<th>S (mm²)</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>MOMENT (kN*m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.36 kg/m²</td>
<td>360</td>
<td>84.350</td>
<td>357</td>
<td>7.7</td>
<td>11.9</td>
<td>22.8</td>
<td>3.1</td>
<td>5.7</td>
</tr>
<tr>
<td>3.72 kg/m²</td>
<td>405</td>
<td>91.800</td>
<td>390</td>
<td>8.5</td>
<td>12.7</td>
<td>25.5</td>
<td>3.6</td>
<td>6.0</td>
</tr>
<tr>
<td>4.90 kg/m²</td>
<td>490</td>
<td>98.100</td>
<td>470</td>
<td>9.8</td>
<td>14.2</td>
<td>29.5</td>
<td>4.0</td>
<td>6.4</td>
</tr>
<tr>
<td>6.10 kg/m²</td>
<td>540</td>
<td>105.100</td>
<td>520</td>
<td>11.0</td>
<td>16.7</td>
<td>33.0</td>
<td>4.7</td>
<td>7.2</td>
</tr>
<tr>
<td>7.90 kg/m²</td>
<td>720</td>
<td>124.400</td>
<td>110</td>
<td>12.6</td>
<td>18.4</td>
<td>37.6</td>
<td>5.2</td>
<td>8.5</td>
</tr>
</tbody>
</table>

*REDUCE MOMENT CAPACITY BY 25% TO ACCOUNT FOR TENSION EFFECTS IN OPEN CROSS SECTION SINGLE POST INSTALLATIONS.

TABLE 2: MAXIMUM NUMBER OF POSTS WITHIN 2.13 M SWATH

<table>
<thead>
<tr>
<th>EMBEDMENT TYPE</th>
<th>SOIL SLOPE</th>
<th>S-1 (MIN. 50% TO 300 mm)</th>
<th>S-2 (MIN. 50% TO 150 mm)</th>
<th>MIN. EMB.</th>
<th>MAX. NO. OF POSTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAP SPACED</td>
<td>FLAT</td>
<td>3</td>
<td>120</td>
<td>3,080</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>INCLINE</td>
<td>3</td>
<td>120</td>
<td>3,080</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>210°</td>
<td>3</td>
<td>120</td>
<td>3,080</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>300°</td>
<td>3</td>
<td>120</td>
<td>3,080</td>
<td>15</td>
</tr>
</tbody>
</table>

NOTE: THREE POSTS ALLOWED WITHIN 2.13 M SWATH

HEAD BOLT NUTS AND HEAVY DUTY LOCK WASHERS (OR GRADE C FLANKED LOCKNUTS)

IF LESS THAN 15 mm USE 2ND & 8TH HOLE INSTEAD OF 1ST & 5TH

IF LESS THAN 10 mm USE 2ND & 8TH HOLE INSTEAD OF 1ST & 5TH

THROUGH BAR SPACER

INSTALL OR BOLT SHAKES TORSO APPRX. 3/8 IN.

NO. 12 TO 12M PUMP DEPTH

EMBEDMENT DEPTH 950 mm MINIMUM VARIES WITH SOIL TYPE

- REDUCE MOMENT CAPACITY BY 25% TO ACCOUNT FOR TENSION EFFECTS IN OPEN CROSS SECTION SINGLE POST INSTALLATIONS.

ALL GALVANIZING AND GALVANIZING REPAIRS SHALL BE DONE IN ACCORDANCE WITH: 719-DL, TYPE H1.

AN S-1 SOIL CONDITION SHOULD BE ASSUMED. S-1 INCLUDES SANDS, GRAVELS AND SILTS (AND THEIR MIXTURES) WHICH EXHIBIT PENETRATION VALUES OF LESS THAN 9 BLOWS PER 305 mm USING A STANDARD 136 kg DROP HAMMER AND A 497 mm FALL. SOILS INSERTED IN THIS CATEGORY.

S-2 INCLUDES UNIFORM SANDS WHICH EXHIBIT PENETRATION VALUES OF LESS THAN 9 BLOWS PER 305 mm USING A STANDARD 136 kg DROP HAMMER. SANDS ARE INCLUDED IN THIS CATEGORY.

THE GEOENGINEERING BUREAU AND THE STRUCTURAL DESIGN DIVISION SHOULD BE CONTACTED WHEN A POST IS TO BE PLACED IN A PLASTIC (SOFT CLAY OR ORGANIC) DEPOSIT, OR WHEN THE GROUNDWATER ELEVATION IS WITHIN THE MINIMUM EMBEDMENT.

LAP SPACED NUTS AND BOLTS SHALL BE M180, WITH AN ULTIMATE TENSILE STRENGTH OF 1240 MPa.

BASE POSTS DAMAGED OR DEFORMED IN THE SPACED CONTRACT AREA SHALL BE REPAIRED OR REPLACED A-0/0.02, AT NO ADDITIONAL COST TO THE STATE. DRIVE CAPS ARE REQUIRED.