

SECTION 604

FLEXIBLE SOIL MATTINGS

604.1 GENERAL

Flexible soil mattings provide reinforcement to the soil slopes and/or bottoms of low velocity channels, dikes, and small dams. In addition to the soil reinforcement, certain of these materials will permit growth of native vegetation or park type of grass cover. Because of the various applications which may be encountered the construction plans will indicate the types of materials to be installed, the location of the material in relation to the soil surface, seeding if required, and securing material.

604.2 REFERENCES

604.3 MATERIALS

604.3.1 Prior to placement of materials other than those approved in this section, the CONTRACTOR shall furnish samples and manufacturer's literature of other similar products, which he intends to use, to the ENGINEER for review and approval.

604.3.2 The following products are approved:

604.3.2.1 Filter fabric--"Stabilenka", Types T-80, T-100, or T-140N, manufactured by American Enka Company, Enka, North Carolina.

604.3.2.2 Germination blanket--"Curlex", either standard or high velocity, manufactured by American Excelsior Company, Arlington, Texas.

604.3.2.3 Interwoven flexible monofilament matting, "Enkamat," Types 7010 or 7020, manufactured by American Enka company, Enka, North Carolina.

604.3.2.4 Erosion control and revegetation mat, "Miramat, ECRM," manufactured by Mirafi, Charolette, North Carolina.

604.3.2.5 Staples for securing the matting to the soil surface will conform to the material, shape, and dimensions, as shown on the construction plans.

604.4 INSTALLATION

604.4.1 The placement of one or more of the matting materials shall conform to the details on the construction plans.

604.4.2 Unless otherwise specified on the plans, filter material will have a minimum overlap of 1 inch and the interwoven flexible monofilament material will have a 3 inch overlap. The germination blanket will only require butting of the edges.

604.4.3 Stapling or pinning spacing shall be as shown on the plans.

604.4 The location of the various matting materials in relation to the soil surface will be shown as a placement section on the construction plans.

604.4.1 When required, select soils, suitable for seeding, may be specified on the construction plans.

604.5 MEASUREMENT AND PAYMENT

604.5.1 Matting material shall be measured by the square foot, as measured along the finished surface for the type of material installed. Payment shall be made at the unit price per square foot for the specific material, as defined in the Bid Proposal, and shall include material, placement, and staples. If over-lapping is required, the matting material shall be considered as a single layer; no extra payment for overlapped material.

604.5.2 Seeding shall be a separate item, as measured and paid for per the Bid Proposal.

604.5.3 Select backfill or cover soil materials will be measured by the square yard per specified thickness. Payment will be made at the unit price per square yard per specified thickness and material, as defined in the bid Proposal.