

MW-2571A
RAINWATER GARDEN PREPARATION

2571A.3 CONSTRUCTION REQUIREMENTS

B. Preparing planting holes and planting beds

2. Planting hole and bed cultivation

Substitute the following:

a. Rainwater garden preparation:

- (1) During the grading process, the existing in situ topsoil shall be salvaged to be used to create the bedding material. Salvaged top soil shall be free and clean of seed bearing vegetation.
- (2) The rainwater gardens shall be excavated to the depth and size required.
- (3) Every rainwater garden will have at least one rock infiltration sump installed below the surface, with or without the presence of storm sewer structures. Depth of rock infiltration sump will be based on the localized soil conditions. Rock shall be wrapped in heavy duty geotextile filter fabric, Type V (Felt).
- (4) The rainwater garden area shall be over-excavated an additional 8" to allow for the placement of 8" of bedding material. Bedding material may be mixed within the garden area or outside the garden area and shall be approximately 50% salvaged in situ top soil and 50% clean organic compost, grade 2. No imported topsoil will be permitted in the garden areas.
- (5) The subsoils in the entire garden area must be thoroughly and deeply scarified before the contractor places the bedding material. Scarifying must be done with a "toothed" backhoe.
- (6) If heavier soils are located on this site or there are concerns about soils sealing up, the bottom of each garden should be overexcavated to allow for the placement of 0.5' to 1.0' of sand on top of the scarified subsoil before placing the bedding material and shredded mulch.
- (7) Once the contractor has prepared the rainwater garden areas, the contractor shall cover the bedding material with a maximum 2" of "shredded wood mulch" and protect the garden with silt fence if erosion from the surrounding area is a concern prior to turf being established.

2571A.4 METHOD OF MEASUREMENT.

Add the following:

D. Rainwater garden preparation

1. The design width and cross-sections of the rainwater gardens are generally uniform. Right and left profiles, as well as cross sections, will be utilized to control excavation, depth, slope and location.
2. It is anticipated that rainwater garden preparation will require some additional care and effort by the contractor and will become more an issue of labor rather than material expenses, therefore most of the individual materials and labor items will not be measured separately.

See the Rainwater Garden Schedule for approximate quantities of excavation, rock, bedding material and shredded wood mulch.

Rainwater garden preparation shall include: salvaging topsoil, excavation and installation of the rock sump, (rock and fabric), scarifying the subsoils, preparing and placing bedding material, (salvaged in situ topsoil and compost), and furnishing and placing shredded wood mulch.

3. There are three standard garden sizes: 8' x 16', 10' x 20', and 12' x 24'. Rainwater garden preparation will be measured on a unit basis as an "each." No adjustments will be made for different sizes of gardens.

E. Rock infiltration sump

1. Will be measured separately as tons of rock correctly placed.
2. Type V geotextile filter fabric, (high porosity), required to encase the rock sump will be incidental and no direct compensation will be made therefor.
3. Excess excavated material shall be incidental.

F. Excavation of rainwater garden

1. Excavation of rainwater gardens and the over-excavation required to place the bedding material is estimated and included as unclassified excavation. See SC-2105, Excavation and Embankment.

G. Salvaging in situ topsoil for bedding mixture

1. Shall be incidental to rainwater garden preparation with NO direct compensation made therefor.

H. Clean Organic Compost, Grade 2 for bedding mixture

1. Shall be incidental to rainwater garden preparation with NO direct compensation made therefor.

I. Blank

J. Mulching material, Type 6

1. Shall be incidental to rainwater garden preparation with NO direct compensation made therefor.

2571A.5 BASIS OF PAYMENT

Add the following:

D. Rainwater garden preparation

1. No payment will be made for rainwater garden preparation until bed preparation has been successfully completed and Type 6 shredded wood mulch has been placed. **No adjustments will be made for different sizes of gardens.**