Section 321540
Decomposed Granite Paving

PART 1 - GENERAL

1.01 General Requirements

A. The requirements set forth in the General Conditions shall be in addition to the standards provided herein.

B. The requirements set forth in the Supplemental Conditions shall be in addition to the standards provided herein.

C. The standards set forth in the City of Roseville Design and Construction Standards and the City of Roseville Parks Construction Standards, latest editions, shall be in addition to the standards provided herein.

1.02 Description

A. Furnish all labor, materials and equipment for the complete installation of decomposed granite paving, including redwood headers as shown in the Plans and as specified herein.

1.03 References

A. CalTrans' Standard Specifications, latest edition.

1.04 Submittals

A. Submittals for specified items are not required; however, submittals are required for any proposed substitutions or deviations from the Plans or Specifications. Additionally, submittals are required for the specific items listed below. The Contractor shall submit a materials summary sheet indicating which items will be installed as specified and which items are proposed for substitutions. The Contractor shall submit proof of order within ten (10) working days of the Notice to Proceed, indicating all specified materials have been ordered, noting "as specified" or "substitution proposed". Submittals are required on the following items:
   1. Decomposed granite material and binding material: provide a sample "brick" for review and approval.

1.05 Record Drawings

A. The Contractor shall keep an accurate record of the as-built conditions of the decomposed granite paving. These records shall be updated daily and kept at the construction site. At any time, the Inspector may examine the conditions of the “as-builts” to ensure compliance of the above.

PART 2 - PRODUCTS

2.01 Crushed Quarry Rock

A. Crushed rock, graded between #4 and #200. Rock shall be high quality and well-graded.

B. Hastie’s Capitol Sand and Gravel, Sacramento, CA (916) 772-7900 or accepted equal.

2.02 Header

A. Per the City of Roseville Parks Construction Standards, latest edition.

2.03 Soil Sterilant

A. Sterilizer shall be standard, quick-acting, short-lived and non-selective weed and grass killer, commonly used under roadway/transportation projects. Application of the sterilant shall pose no short or long term health threats to the installer or the general public. Submit analysis for acceptance prior to applying.

2.04 Binding Material

A. PolyPavement, Los Angeles, CA (323) 954-2240 or accepted equal.

PART 3 - EXECUTION

3.01 Preparation

A. Upon completion of grading operations, compact the subgrade at the required elevation to a relative compaction density of 95%, unless otherwise noted on the Plans.

B. Apply soil sterilant per manufacturer’s directions. Limit the work zone of the sterilant application to the area to receive paving plus three feet (3’) on each side.

C. Completely install redwood header as shown in the City of Roseville Parks Construction Standards.

D. No material shall be placed in muddy conditions, nor shall any material be placed during or immediately after inclement weather, i.e. rain storms, etc.

E. Submit samples of crushed rock to a PolyPavement Certified Lab to prepare a laboratory "brick" to confirm that the quarry material has sufficient fines for good binding.

3.02 Installation

A. Provide a 10' by specified width test sample, to be approved prior to installation. This sample shall be the basis of overall approval.

B. Install header as shown on the Plans and as specified in the City of Roseville Parks Construction Standards.

C. Thoroughly combine binder per manufacturer recommendations.

D. Spread crushed granite fine/binder material in two (2) one and one half inch (1-1/2") lifts.

E. Wet and roll each lift to form a uniform, smooth surface with a cross slope of 2%. Compact each lift to a 95%.

F. Upon completion of the final lift, fill any depressions, holes or divots and re-roll using the above process.

G. Provide a Certificate of Compliance verifying that the binder/stabilizer has been mixed per manufacturer's recommendations.

3.03 Clean Up and Protection

A. Thoroughly clean all areas where work has occurred. Remove from site excess material, debris and rubbish.

B. Take all precautions to protect completed work. Immediately repair or replace all damaged areas due to tire ruts, erosion, compaction failure, etc.

END OF SECTION