

SECTION 02100 - CLEARING

PART 1 - GENERAL

1.1 GENERAL REQUIREMENTS

- A. Furnish materials, labor and equipment necessary to clear and grub the entire construction area within the limit of grading, to accumulate and dispose of all debris and waste materials, to lay out the entire work, as shown on the drawings and as specified herein.
- B. It shall be the responsibility of the Contractor to examine the project site and determine for himself the existing conditions.
- C. Obvious conditions which exist on the site shall be accepted as part of the work, even though they may not be clearly indicated on the drawings and/or described herein, or may vary therefrom.
- D. All debris of any kind accumulated from the work of this section shall be disposed of from the site.
- E. Burning on site will not be permitted.
- F. All aboveground vegetation, rubbish, existing abandoned structures, stockpiles of organics and construction debris and other deleterious materials should be removed and wasted off-site.

1.2 STANDARDS

Except as modified herein, all earthwork shall meet the requirements of Section 10 of the Standard Specifications for Public Works Construction dated September 1986 and Soils Investigation Report by Hirata & Associates, Inc. entitled "Soils Investigation, Manoa Stream Improvements at Woodlawn Drive Bridge, Honolulu, Hawaii" dated May 6, 2016.

PART 2 - PRODUCTS

2.1 MATERIALS

Weed Killer:

<u>Trade Name</u>	<u>Manufacturer</u>
RAD-E-Cate 25	Vineland Chemical Co., Vineland, New Jersey
Weed-B-Gon	Chevron Chemical Co., Ortho Division Richmond, California
Amitrol - 7	Amchem Products, Inc., Fremont, California
Ranger Pro	Monsanto Company, St. Louis, Missouri

PART 3 – EXECUTION

3.1 CLEARING AND GRUBBING

- A. The Contractor shall clear the premises of all obstacles and obstructions, the removal of which will be necessary for the proper reception, construction, execution and completion of other work specified in this contract.
- B. Within the construction access areas, cut all trees as shown on the plans, or as required to complete the work and treat all stumps remaining in the soil with weed killer applied in full strength and in accordance with the manufacturer's instructions. All debris accumulated from this operation shall be completely removed from the premises by the Contractor.
- C. Soft and yielding areas encountered during clearing and grubbing work should be over-excavated to expose firm natural material, and the resulting excavation should be backfilled with well-compacted engineered fill. The excavated soil may be used as fill, provided that it meets the requirements for fill material.
- D. No excavation or filling shall be undertaken until area has been cleared and grubbed.
- E. The Contractor shall protect from injury and damage all surrounding plants, pavements, buildings, utilities, rock walls, etc., and shall leave all in as good a condition as at present. Any damage to existing improvements shall be repaired or replaced by the Contractor to the satisfaction of the Engineer.
- F. The Contractor shall confine his construction operations to the immediate area of work or as directed by the Engineer.

3.2 CLEAN-UP OF PREMISES

Clean-up and remove all debris accumulated for construction operations from time to time as directed. Upon completion of the construction work and before final acceptance of the Contractor's work, remove all surplus materials, equipment, etc., and leave entire job site clean and neat to the satisfaction of the Engineer.

3.3 VERIFICATION OF EXISTING GRADES

Existing grades, inverts and improvements shall be verified by the Contractor before any clearing and grubbing work is done. Any discrepancy shall be immediately brought to the attention of the Engineer and any changes shall be made in accordance with his instructions. Starting of clearing and grubbing operations shall be construed to mean that the Contractor agrees that the existing grades, inverts and improvements are essentially correct as shown. No extra compensation will be allowed the Contractor if existing grades, inverts and improvements are in error after his verification thereof or if he fails to report the discrepancies before proceeding with the work.

END OF SECTION