W50S9H26QA022 – STUMP GRINDER ATTACHMENT

ACQUISITION OBJECTIVE
To acquire a high-torque, low-RPM stump grinder attachment capable of efficiently removing the large number of stumps currently obstructing drivable paths essential for security checks and base operations. This capability will significantly increase the speed and effectiveness of stump-clearing efforts compared to the existing equipment, while also enhancing overall safety for operators and bystanders during on-base stump-grinding activities.

MINIMUM SPECIFICATIONS REQUIREMENTS

Stump Grinder Attachment Must be compatible with Bobcat T250 and Bobcat 770 models currently owned and operated by Volk Field Civil Engineering

PERFORMANCE REQUIREMENTS
- **Bit Diameter** - Minimum cutting wheel diameter of 32 inches.
- **Hydraulic Flow** - Must operate within a hydraulic flow range of 20–42 GPM, fully compatible with the hydraulic output of Bobcat T250 and 770 skid-steer models.
- **Operating Pressure** - Capable of handling system pressures up to 4,250 PSI.
- **Boring Depth** - Able to achieve up to 20 inches of cutting depth in a single pass.
- **Stump Capacity** - Must grind stumps 8–28 inches in diameter in one pass.
- **RPM Range** - Operates at approximately 7–16 RPM to provide controlled, high-torque cutting.

PHYSICAL REQUIREMENTS
- **Operating Weight** - Attachment weight shall be no less than 1,350 lbs. to ensure stability and cutting force.
- **Mounting Interface** - Must include a Universal Skid Steer / Compact Track Loader (SSL/CTL) quick-attach interface integrated into the attachment body.
- **Compatibility** - Attachment must be fully compatible with Bobcat T250 and Bobcat 770 skid-steer loaders without requiring modification to the carrier equipment.

COMPONENT REQUIREMENTS
- **Hydraulic Motor** - Equipped with a 2-speed hydraulic motor to support variable torque and speed operations.
- **Cutting Blades** - Cutting system shall use staggered AR500 steel blades, designed for low maintenance and extended service life.
- **Root and Soil Capability** - Must effectively cut through feeder roots and operate in rocky or compacted soil conditions.

SAFETY REQUIREMENTS
- **Operational Safety** - Must minimize debris throw and ensure safe operation for personnel and bystanders during stump-grinding activities.
- **Low-RPM Safety** - Low-RPM, high-torque operation required to reduce kickback, flying debris, and operator risk.

COMPATIBILITY REQUIREMENTS
- Must be fully compatible with Government-owned SSL/CTL platforms meeting the hydraulic and mounting specifications listed above, including Bobcat T250 and Bobcat 770 models.