

PROPOSAL
HARWICK CEMETERY EXPANSION

To the Owner: *Antwerp Township*
 24821 Front Street
 Mattawan, MI 49071

Contractor: _____

Contact: _____

Official Address: _____

Phone: _____

Fax: _____

Email: _____

Gentlemen:

The undersigned, having familiarized himself with the local conditions affecting the cost of the work, and with the Contract Documents, including the Advertisement for Bids, Plans, Proposal, and exhibits issued and attached to the specifications on file in the office of the OWNER, hereby propose to perform everything required to be performed and to provide and furnish all of the labor, materials, necessary tools, expendable equipment, and all utility and transportation services necessary to perform and complete in a workmanlike manner all work required for the construction and completion of this project for the OWNER, all in accordance with the above, including Addenda Nos. _____, issued thereto, for the prices, to wit:

(the proposal section follows)

NOTE: BID, PERFORMANCE, AND LABOR AND MATERIALS BONDS NOT REQUIRED ON THIS PROJECT.

In submitting this bid, it is understood that the right is reserved for the OWNER to reject any and all bids. It is agreed that this bid may not be withdrawn for a period of ninety (90) days from the opening thereof.

If awarded a Contract, the undersigned agrees to begin work within 10 days of the effective date of Contract or a date agreed upon with the OWNER and further agrees to proceed with all possible dispatch, and fully complete the work as detailed in the Progress Schedule.

The CONTRACTOR shall include in the proposal a Progress Schedule outlining the proposed project start date, duration and milestone target dates for major works items, substantial completion date, and final completion date for review and approval by the OWNER prior to award.

The total lump sum price bid entered below shall govern as the final price to be paid to the CONTRACTOR. Said payment shall constitute payment in full for furnishing all labor, equipment and materials and performing all work necessary, as shown on the plans, as herein specified.

BASE BID LUMP SUM ENTERED \$ _____
PAVEMENT ALTERNATIVE LUMP SUM ENTERED \$ _____
FENCE ALTERNATIVE 1 LUMP SUM ENTERED \$ _____
FENCE ALTERNATIVE 2 LUMP SUM ENTERED \$ _____
TREE RELOCATION ALTERNATIVE UNIT PRICE ENTERED \$ _____

DATE

FIRM NAME

OFFICIAL ADDRESS:

BY:

(Note: Bidders should not add any conditions or qualifying statements to the bid as otherwise the bid may be declared irregular as being not responsive to the Advertisement for Bids.)

PROJECT SPECIFICATION

FOR

EROSION CONTROL

General Requirements

This work shall be in accordance with the MDOT Soil Erosion and Sedimentation Control Manual and MDOT Standard Plan R-96-C. The work shall include all items shown on the plans and as required to construct the site in accordance with the Soil Erosion and Sedimentation Control Act.

The Contractor shall furnish and maintain and upon completion of the work, remove all erosion control devices within the project and around the perimeter of the project for soil erosion and sedimentation protection.

Necessary emergency work performed by the Township, Village, or Drain Commissioner will be billed against the CONTRACTOR.

Measurement and Payment

The item of Erosion Control shall include furnishing, installing, maintaining, and upon completion, removing all items, and will be paid as part of the total Lump Sum price bid.

PROJECT SPECIFICATION

FOR

TURF ESTABLISHMENT, MODIFIED

Description

The work of Turf Establishment, Modified shall be in accordance with Section 816 of the Michigan Department of Transportation 2012 Standard Specifications for Construction (MDOT Specs) except as herein modified. Turf Establishment, Modified shall include the distribution of the existing topsoil stockpile throughout the project limits, application of Chemical Fertilizer Nutrient, Seeding Mixture, Mulch, and Anchoring Mulch.

Materials

Seeding Mixture: Jonathan Green Turf Pro Black Beauty Heat & Drought Grass Seed Blend, applied at the manufacturer's recommended rate with the following proportions (or approved equal):

40%	Montana Fescue
30%	Talus Tall Fescue
30%	Tonto Tall Fescue

Chemical Fertilizer Nutrient: 21-22-4 Fertilizer with 0.08% Mesotrione Herbicide by The Andersons. Apply granular fertilizer at a rate of 190 lbs per acre.

Construction Methods

Preparation of Earth Bed: Seven to ten days before preparing earth bed, including areas previously mulched or rye seeded for temporary erosion control, kill existing vegetation by spraying with the non-selective herbicide Glyphosate. Construct the earth bed to the required grade and trim. Just before placing topsoil or compost, harrow all earth beds, including areas previously mulched or rye seeded for temporary erosion control, into a friable condition with a disk, a spring tooth drag or a spike tooth drag a minimum of 3 inches deep. Leave horizontal soil impressions from equipment, across the face of the slope.

Placing Topsoil: Contractor shall evenly distribute the topsoil stockpile volume throughout the project limits, ensuring at least 4 inches of topsoil are placed in re-graded areas and along both sides of the new road to Glidden Street excepting the existing 4 foot wide gravel shoulder. Pulverize large clods and lumps. Rake out rocks with a diameter greater than 2 inches, roots, litter, and deleterious material. Incorporate placed topsoil into the upper 2 inches of the conditioned earth bed. Do not work topsoil or compost if wet. No additional topsoil is proposed to be furnished from off site for this project – all topsoil to be placed shall be that from salvage.

Roots, stumps, and litter other than rocks shall be hauled to the Township Transfer Station on 64th avenue in Lawton.

Rocks greater than 2 inches shall be stored on site in a location designated by the OWNER.

Permanent Seeding: CONTRACTOR shall obtain approval of finish grading from OWNER prior to Permanent Seeding.

Harrow the topsoil, at least 3 inches deep, immediately before seeding. Harrow using a disk, spring tooth drag, spike tooth drag, or other equipment, approved by the ENGINEER and designed to prepare the soil to a friable condition. Harrow horizontally, across the face of the slope. While the seed bed is in a friable condition, sow seed with or following the application of fertilizer. Sow seed before applying mulch.

Sow seed with spreader or seeding machine. Do not broadcast or drop seed when wind velocity exceeds 5 mph. Evenly distribute seed by sowing equal quantities in two directions at right angles to each other. Do not use wet seed or seed that is moldy or otherwise damaged. Rake seed lightly into top 1/2 inch of soil, roll lightly, and water with fine spray.

Mulch: Apply mulch immediately after seeding. Protect seeded areas on slopes exceeding 1:4 with erosion control blankets, installed and stapled according to the manufacturer's written instructions. All other seeded areas shall receive straw mulch, spread uniformly at a minimum rate of 2 tons/acre to form a continuous blanket 1-1/2 inches in loose thickness over seeded areas. Spread by hand, blower, or other suitable equipment. Anchor straw mulch by crimping into soil with suitable mechanical equipment or other means as approved by the OWNER.

Provide and coordinate operation of temporary irrigation measures to keep turf uniformly moist to a depth of 4 inches until initial grass growth exceeds 4 inches and is in a mow-able state. Schedule watering to prevent wilting, puddling, erosion, and displacement of seed or mulch. Water turf at a minimum rate of 1 inch per week unless rainfall precipitation is adequate.

Inspection: The OWNER will inspect the seeded turf to ensure the end product is well established, weed free, growing, vigorous, and contains the species required by the seeding mixture. If the OWNER requires weed control, complete work in accordance with MDOT Specs subsection 816.03.J.

Hydro seeding may be utilized if approved by the OWNER.

Measurement and Payment

The item Turf Establishment, Modified shall include furnishing all necessary labor, equipment, and materials to complete surface restoration of the turf lawn areas and will be paid as part of the total Lump Sum price bid.

PROJECT SPECIFICATION

FOR

CONCRETE HEADSTONE FOUNDATION

Description

For the unit prices of the various concrete items, the CONTRACTOR shall furnish all materials and do all work necessary to install the various concrete items complete as shown on the plans, as herein specified or as directed by the ENGINEER. This work includes excavation and embankment necessary to bring the various concrete items to their proper grade, base installation and compaction, temporary formwork, and placement of joint filler and sealant of expansion joints.

Construction Methods

The base of the Concrete Headstone Foundations shall be leveled and compacted in place using a vibratory plate compactor or similar equipment to 92% MDD or better. Concrete shall meet MDOT grade P1 or S2 Specifications. Foundations shall be located by survey. Each continuous foundation shall be visibly straight with no meander. The surface shall be finished with rounded corners and a light broom finish with transverse grain. The surface shall be level in the longitudinal direction, with no greater deviation than one-eighth inch (1/8") in ten feet (10') and shall pitch at a rate of 0.5%, draining to the west. Contraction joints shall be sawn in straight lines at four foot (4') intervals aligned with the edge of each grave site.

Measurement and Payment

The item Concrete Headstone shall include all necessary labor, equipment, and materials to complete the concrete work and will be paid as part of the total Lump Sum price bid.