

SECTION 011000 – SUMMARY OF WORK

PART 1 – GENERAL

1.1 WORK UNDER THIS CONTRACT

All work required for the installation and site work of a Double Vault Toilet shall be in accordance with the following:

- A. Materials
 - 1. Bedding material to be sand or 3/8” minus crushed or screened aggregate.
- B. Location and Access to Site:
It's the responsibility of the IDNR to:
 - 1. Provide exact location and elevation by stakes or hubs in accordance with location site plan (see attached plot plan maps)
- C. Excavation and Elevation by the Contractor
 - 1. Comply with all applicable OSHA Standards for excavation.
 - 2. Excavate for the installation of the toilet vault to a depth that will allow the structure site to be free draining after installation is completed (see attached Double Vault Toilet Floor and Elevation Plan Sheets). The vault toilet requires an excavated hole that is to the size required by the vault manufacturer. The hole is excavated to a depth as required by toilet manufacturer below finish grade. The depth includes a 2” leveling course beneath the vault toilet. Stockpile topsoil in a separate pile at sites.
 - 3. Finish floor elevation will be 4 inches above original natural grade measured at the hub or stake located at the center of the building. The intention is that the finish floor elevation is slightly higher to the surrounding grade for positive drainage away from the building.
- D. Backfill and Compaction
 - 1. Compact the natural ground at the bottom of the vault excavation with a minimum of three passes with a whacker-type mechanical compactor or equivalent approved by the customer.
 - 2. Install sand or aggregate bedding material for leveling course if needed. Compact leveling course with one pass with a whacker-type mechanical tamper. Grade leveling course so there will be no high spots in the middle of the vault bottom. Compact with a second pass with a whacker.
 - 3. Set vault in place and check for level or appropriate scope. Backfill around structure. Use excavated material for backfill except those rocks larger than six inches in maximum dimension shall not be placed within six inches of the exterior vault walls.

4. Fill, adjacent to the building entry, will have excavated material placed in eight inch loose lifts and compacted with a minimum of two passes with a whacker-type mechanical tamper.
- E. Finish Grading and Concrete platform and accessible sidewalks
1. Spread excess excavated material from the vault around the structure. Intended final grade is flush with the top of the slab. Allow for placement of topsoil to reach the grade. Grade backfill away from the structure at maximum slope of five percent. Spread stockpiled topsoil as a final layer after rough grading is completed. Final mulched seeding is to be furnished and completed by the contractor.
 2. Contractor is to furnish and install a 6' x 12' (the width of the building) concrete platform that is anchored to the vault with 8" steel pins 2' on center. Install a 6' wide sidewalk that meets all ADA requirements connecting the platform to asphalt or existing sidewalk as designated on the plot plans. The concrete platform and accessible sidewalk shall be 4" thick and 4,000 psi strength with 6x6 10/10 wwf reinforcement with a 4" compacted aggregate subbase.
- F. Work to be performed shall be in accordance with drawings and specifications prepared by IDNR Division of Engineering 402 W. Washington Street Rm W299 Indianapolis, IN 46204.

A. Remediation Allowance

1. Contractor shall include an allowance of **\$5,000 in the Base Bid** for remediation of unforeseen constraints
2. Such constraints may include, but are not necessarily limited to, unforeseen conditions; improperly recorded or unrecorded physical properties and conditions at the site; obstruction of, or delay to, reason work sequences by the Property, or the Owner; uncommon adverse weather or site conditions; and conflict within, or omissions from, the Contract Documents.
3. All remediation work shall be authorized by the Director of Public Works Division, or designee, prior to execution.
4. **If any portion of the allowance is not used during the project, that portion will revert to the owner and will not be included in the contractor's final payment.**

1.2 COORDINATION OF PLANS, SPECIFICATIONS AND PAY ITEMS

- A. These specifications, plans and pay items are essential parts of the contract. A requirement occurring in one is as binding as though occurring in all. They are intended

to be complementary and to describe and provide for a complete work. In case of discrepancy, calculated dimensions will govern over scaled dimensions; and the following relationships apply:

- B. Instruction to Bidders and description of pay items listed in the Unit Price Bid Tabulation hold over plans and specifications, and plans hold over specifications.
- C. The Indiana Department of Transportation Standard Specifications, Latest Revision (INDOTSS) shall become part of the Contract Documents in its entirety. Unless otherwise stated in the Specifications or directed by the Engineer, all INDOTSS shall apply to this project.

1.3 RIGHTS OF ACCESS

- A. The Contractor agrees that representatives of the Engineer, Owner, Environmental Protection Agency, U.S. Army Corps of Engineers, and the State of Indiana will have access to the work wherever it is in preparation or progress and that the Contractor will provide facilities for such access and inspection

1.4 DISCOVERY OF HAZARDOUS MATERIAL

- A. The presence of hazardous materials is unknown in the work area. However, if during the course of this work, the existence of hazardous material is observed in the work area, the Contractor shall immediately notify the Owner in writing. The Contractor shall not perform any work pertinent to the hazardous material prior to receipt of special instructions from the Owner. Should any hazardous material control measures be required, the cost thereof shall be handled by an appropriate Change Order or a separate contract or subcontract with Owner.

1.5 OPERATIONS WITHIN PROJECT PROPERTY LIMITS

- A. Under no circumstances shall construction activities take place outside the property lines of the project site.

The work shall be performed at:

1. Brown County State Park (15 sites) in Brown County, IN and Cataract Falls SRA (1 Site) in Owen County, IN.

1.6 ALTERNATE BIDS

- A. Voluntary alternate bids will not be accepted.

1.7 SALES TAX

- A. Sales tax shall not be charged on the bid price of this project.

1.8 CONSTRUCTION PROGRESS SCHEDULE

- A. The Contractor shall submit to the Engineer, prior to start of construction, a detailed schedule showing the order in which he proposes to carry on the work and estimated dates of completion of the various parts. The schedule shall be implemented upon approval of the Engineer.
- B. The construction schedule shall be revised and updated monthly and submitted to the Engineer. It is the Contractor's responsibility to complete the work within the time allotted.
- C. All work required by the Contract Documents shall be completed within 120 days from the date of the contract.

1.9 CODE REQUIREMENTS AND MANUFACTURER'S INSTRUCTIONS

- A. In the case of conflicts between state and local codes or regulations, State Codes or State regulations shall prevail. All required approvals for compliance with Fire and Building Services Division of Homeland Security, health regulations, historic preservation or archaeological clearances, floodway construction or state highway crossing may have been obtained by the owner unless stated otherwise in the contract documents.

The following permits have been applied for and shall be obtained prior to beginning work:

No permits have been applied for any projects under this scope.

The Contractor shall be responsible for the project under all permits, may speak directly to the applicable regulatory agency, and adhering to all requirements of approved permits. The Contractor shall be responsible for ensuring that all work meets the terms of required permits, and their GENERAL AND SPECIAL CONDITIONS. The Contractor shall be responsible for notifying the Engineer of any work that does not meet the requirements of the permits.

- B. The Contractor shall be required to comply with all OSHA or IOSHA regulations as may be applicable to this project and obtain all permits that may be required for compliance.
- C. If the Contractor observes that any of the contract documents are at variance with the printed application instructions of any Manufacturer in any respect, he/she shall promptly notify the Project Manager in writing.
- D. If the Contractor performs any work contrary to State Building and other Codes, Regulations, Ordinances, or Manufacturer's printed instructions without notice to the project Manager, the contractor shall bear the cost arising from such non-conformance.

1.10 NOTIFICATIONS

- A. Upon notice of bid award, the Contractor shall notify the Project Manager to establish communications for the above project(s). The notification may be by mail or email to the Project Manager's following mail or e-mail address:

Project Manager: Michael J. Mathias, P.E.

Phone: (317) 232.4155

Address: Indiana Government Center South

402 W Washington Street, Room W299

Indianapolis, IN 46204

Email: MMathias@dnr.in.gov

1.11 WORKING HOURS

- A. The Contractor shall perform all related activities on Monday through Friday excluding State holidays, between the hours of 7:00 a.m. and 6:00 p.m. local time, unless alternate arrangements are made and approved by the Property Manager or his representative.
- B. All work performed at other times shall only by the approval of the Property Manager or his representative, confirmed in writing, and shall not constitute a change in the contract amount.
- C. The Contractor shall plan all material deliveries during normal working hours, shall be responsible for receiving and deliveries, and shall properly protect delivered materials while being stored on the property. The Property Manager or his representative will not sign for any deliveries.

1.12 PRE-CONSTRUCTION / SERVICE MEETING

The Contractor and his/her Subcontractor (if any) shall attend a pre-construction/pre-service meeting with the Property Manager and/or his representative at the work site. The date for this meeting shall be scheduled by the Property Manager within 14 days after the contract is awarded unless Property Manager has approved alternate arrangements.

A. Tree Removal

1. The Contractor shall mark all trees designated for removal with survey tape. Once all trees designated for removal are marked, the Contractor shall schedule a separate pre-construction meeting with the Owner to approve all tree removals. Once tree removals are approved the Contractor may proceed with removal.

B. Responsibility for Damage or Destruction as a Result Flooding

1. The Contractor shall be responsible for any and all damage that may occur at the site within the construction limits as a result of floods, and shall replace or restore damaged structures or features of the work, whether of a permanent or temporary character, at no additional cost to the Owner. The Contractor shall have no basis of claims because of floods occurring during the construction period unprecedented in magnitude or frequency.

C. Emergency Access

1. The Project site serves as a designated parking lot and driveway for the East Fork State Hatchery. The Contractor shall be responsible for maintaining safe driveway access and access within the parking lot and to the building at all times. During operations, the Contractor shall coordinate with the Owner to provide an alternate sidewalk access. The Contractor shall be responsible for maintaining vehicular access to the parking lot areas at all times.

1.13 SITE CONDITIONS

- A. Preliminary to the bidding, bidders are strongly encouraged to visit the site of the proposed work and thoroughly familiarize him/herself as to the nature and location of the work, general conditions, and the kind of equipment needed during the execution of the work. Failure to visit the site before bidding does not relieve the Contractor of responsibilities for anything that he/she would be made aware had he/she visited.

1.14 PROTECTION OF FACILITIES AND PREMISES

- A. **The Contractor SHALL** be responsible for the protection of all facilities during the entire period of service. Any damages to the existing facilities, roads, lawns, driveways, or other State owned property caused by the contractor SHALL be repaired by the Contractor at his/her expense and in a manner and schedule approved by the Property Manager.
- B. **The contractor SHALL** confine his/her operations and the storage of materials and equipment within an area approved by the Property Manager or his representative.
- C. **The Contractor SHALL**, at all times, keep the premises free from accumulation of waste materials or rubbish caused by his/her employees or work and prevent the spread of this debris during windy conditions. At the completion of the work, the Contractor SHALL leave the premises in a neat, clean, and orderly fashion.
- D. **The Contractor SHALL power wash any mechanical equipment or vehicle to be used on the job site to remove all mud and debris prior to unloading on the site.** This is necessary to prevent contamination by invasive species seeds that may be attached to the equipment. The Contractor SHALL NOT unload the equipment on site without prior visual inspection by the Property Manager. No other vehicles/machines shall be

permitted in the project area. All other equipment or project related vehicles must be parked in specified parking areas.

1.15 ACCESS ROADS AND PARKING AREAS

- A. Provide and maintain vehicular access to the site and within the site for use by persons and equipment involved in the construction of the project. Maintain access roads and driveways with sufficient rock, stone, or gravel to provide a suitable support for vehicular traffic under anticipated loads.
- B. Provide and maintain temporary parking facilities for use by construction personnel and the Engineer. Maintain parking facilities free of construction materials, mud, snow, ice and debris.
- C. Restore areas to original or to specified conditions shown on the drawings at completion of the work.

1.16 UTILITIES

- A. The Contractor shall be responsible for calling in utility locations prior to beginning construction. The Contractor shall notify the Engineer immediately if existing utilities are found to be in conflict with proposed improvements.

1.17 DUST AND NOISE CONTROL

- A. Dust shall be minimized by use of water. Noise shall be minimized by use of properly constructed and maintained equipment provided with suitable mufflers, snubbers, and other sound attenuating devices and supports. Erosion shall be controlled in such a manner that soil particles from the construction site are prevented from entering public waters or from being deposited on neighboring property, streets, and highways.

1.18 SAFETY AND HEALTH PLAN

- A. **The Contractor SHALL** be required to comply with all OSHA or IOSHA regulations as may be applicable to this project and obtain all permits that may be required for compliance.
- B. **The Contractor SHALL** prepare a safety and health plan that identifies the safety requirements of the project, procedures to follow in case of an emergency, accident, injury, or illness and make this plan available to all employees, and sub-contractors complete with persons and/or phone numbers to call for all who are working at this site. This plan **SHALL** be given to the Project Manager or his representative prior to the start of work and posted at the job site.
- C. **The Contractor SHALL** understand that the Property, DNR Engineering, nor the State of Indiana DOES NOT bare any responsibility for the cost of injuries to Contractor or

Sub-Contractor, or their employees injured during the course of the contract. The **Contractor SHALL** be responsible for the transport of injured employees needing medical or other attention.

1.19 SUBSTITUTIONS

- A. Materials and methods specified herein are known to meet the requirements of the project. Anyone wanting to use substitute materials or methods shall submit a written request, accompanied by necessary supporting information at least 10 days prior to the bid. If the Designer determines that the proposed substitution is acceptable, an addendum to the specifications will be issued to all prospective bidders.

END OF SECTION