

TO ALL BIDDERS OF RECORD

ADDENDUM No.2 to the Lakeside Planetarium Demolition Bid Documents, Contract Manual and Specifications:

Bid Packages:

Bid Package 21248-060 General Contractor

for the

Cleveland Metropolitan School District

This Addendum shall hereby be and become a part of the Contract Documents the same as if originally bound thereto.

The following clarifications, amendments, additions, revisions, changes and modifications change the original Contract Documents only in the amount and the extent hereinafter specified in this Addendum.

Each bidder shall acknowledge receipt of this Addendum in his proposal or bid.

Note: Bid Due Date is June 14, 2018 at 1:00 pm.

Attachments:

1. Revised Bid Form
2. Revised Scope of Work – Specification Section 011113
3. Specification Section 012300 – Alternates
4. Attachment A

Clarifications:

1. **Please note the New Bid Date of June 14, 2018 @ 1:00 pm.**
2. Budget has been revised to \$1,000,000.
3. Last date for questions via fax @ 216-861-1649: June 8, 2018 @ 12 noon. Last Addendum to be issued June 11, 2018.
4. **BASE BID:** The base bid includes the removal of all items noted / hatched on Attachment A including the building and building foundation removal to – 4'-0" below grade (approximately Elev. 634); basement slab broken to allow water to penetrate to subgrade; removal of all HVAC, electric, plumbing utilities related to this building demolition including abatement as noted; the removal of the second floor "connector" to the existing Lakeside building; infill of the opening at the second floor; backfill with engineered fill per the project specifications to – 0'-6" of finish grade; 6" of topsoil and seeding in the disturbed area; sawcutting to a "neat" edge along the existing driveway adjacent to the demolition area after demolition; lawn maintenance until lawn is established including three mowings.

5. **ALTERNATE NO. 1:** The removal of all foundations and slab on grade below -4'-0" of final finish grade (approximately Elev. 634) and infill with engineered fill per project specifications.
6. **ALTERNATE NO. 2:** Installation of the parking lot, site lighting, site concrete, etc. as noted in the bid documents. Add the following additional signage – 6 visitor signs, 2 HC, 2 "Enter Only" along with posts & bollards per C101 Detail, and one – 20 bike – bike rack.

END OF ADDENDUM No. 2

BID FORM

Project Name: **Segment 7 LFI – Lakeside Planetarium Demolition**

ITEM-1 Bid Package #21248-060 Demolition **Bid Date:** June 14, 2018

Location of Project & County: **Lakeside Planetarium Demolition**

1440 Lakeside Avenue, Cleveland, Ohio, Cuyahoga County

Having read and examined the Contract Documents, including without limitation the Drawings and Specifications, prepared by the Architect for the above-referenced Project, and the following Addenda:

Addendum Number

Date of Receipt

BIDDER: _____

The undersigned Bidder proposes to perform all Work for the applicable Contract, in accordance with the Contract Documents, for the following sums:

Complete appropriate bid package section of work:

LAKESIDE PLANETARIUM DEMOLITION

ITEM- 1. DEMOLITION CONTRACT: BID PACKAGE #21248-060

INCLUDING ALL LABOR AND MATERIALS, including allowances totaling \$50,000.00 for additional work items as directed by the CM, for the sum of \$ _____

Sum in words: _____

BIDDER: _____

BIDDER'S NAME (PRINT): _____

Authorized Signature: _____

Title: _____

Company Name: _____

Mailing Address: _____

Telephone Number: (____) _____ Facsimile Number (____) _____

Where Incorporated: _____ Type of Business (circle one):

corporation partnership sole proprietorship limited liability corporation

Federal ID Number: _____

Contact person for
Contract processing: _____

Alternate No. 01: The removal of all foundations and slab on grade below -4'-0" of final finish grade (approximately Elev. 634') and infill with engineered fill per project specifications. Cost shall include all Overhead and Profit.

INCLUDING ALL LABOR AND MATERIALS, for the sum of \$ _____

Alternate No. 02: The installation of the parking lot, associated site lighting, etc. as noted in the bid documents. Cost shall include all Overhead and Profit.

INCLUDING ALL LABOR AND MATERIALS, for the sum of \$ _____

BIDDER'S CERTIFICATION

The Bidder hereby acknowledges that the following representations in this bid are material and not mere recitals:

1. The Bidder has read and understands the Contract Documents and agrees to comply with all requirements of the Contract Documents, regardless of whether the Bidder has actual knowledge of the requirements and regardless of any statement or omission made by the Bidder which might indicate a contrary intention.
2. The Bidder represents that the bid is based upon the Standards specified by the Contract Documents.
3. The Bidder acknowledges that all Work shall be completed within the time established in the Contract Documents, and that each applicable portion of the Work shall be completed upon the respective milestone completion dates, unless an extension of time is granted in accordance with the Contract Documents. The Bidder understands that the award of separate contracts for the Project will require sequential, coordinated and interrelated operations which may involve interference, disruption, hindrance or delay in the progress of the Bidder's Work. The Bidder agrees that the Contract price, as amended from time to time by Change Order, shall cover all amounts due from the School District Board and the Commission resulting from interference, disruption, hindrance or delay caused by or between Contractors or their agents and employees.
4. The Bidder has visited the Project site, become familiar with local conditions and has correlated personal observations with the requirements of the Contract Documents. The Bidder has no outstanding questions regarding the interpretation or clarification of the Contract Documents.
5. The Bidder agrees to comply with or make a good faith effort to comply with the EDGE business enterprise participation goal of 5 percent of each Contract award amount, calculated as a portion of the Base Bid plus all accepted Alternates.
6. During the performance of the Contract, the Bidder agrees to comply with OAC Chapters 123:2-3 through 123:2-9 and agrees to incorporate the provisions contained in the Governor's January 27, 1972 Executive Order into all subcontracts on the Project, regardless of tier. The Bidder understands the State Equal Opportunity Center may conduct pre-award and post-award compliance reviews to determine if the Bidder maintains nondiscriminatory employment practices, maintains an affirmative action program and is exerting good faith efforts to accomplish the goals of the affirmative action program. For a full statement of the rules regarding Equal Employment Opportunity in the Construction Industry, see OAC Chapters 123:2-1 through 123:2-9.
7. The Bidder and each person signing on behalf of the Bidder certifies, and in the case of a joint or combined bid, each party thereto certifies as to such party's entity, under penalty of perjury, that to the best of the undersigned's knowledge and belief: (a) the Base Bid, any Unit Prices and any Alternate Bid in the bid have been arrived at independently without collusion, consultation, communication or agreement, for the purpose of restricting competition as to any matter relating to such Base Bid, Unit Prices or Alternate bid with any other Bidder; (b) unless otherwise required by law, the Base Bid, any Unit Prices and any Alternate bid in the bid have not been knowingly disclosed by the Bidder and will not knowingly be disclosed by the Bidder prior to the bid opening, directly or indirectly, to any other Bidder who would have any interest in the Base Bid, Unit Prices or Alternate bid; (c) no attempt has been made or will be made by the Bidder to induce any other individual, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

8. The Bidder will execute the Contract Form with the School District Board, if a Contract is awarded on the basis of this bid, and if the Bidder does not execute the Contract Form for any reason, other than as authorized by law, the Bidder and the Bidder's Surety are liable to the School District Board and the Commission as provided in Article 6 of the Instructions to Bidders.
9. The Bidder certifies that the upon the execution of the Contract Form, the Contractor shall be enrolled in good standing in the Ohio Bureau of Workers' Compensation (BWC) Drug-Free Workplace Program (DFWP) or an equivalent BWC approved DFWP in accordance with but not limited to Ohio Administrative Code Chapter 4123-17 and Executive Order 2002-13T. The Bidder acknowledges the responsibility to require all Subcontractors to be enrolled in good standing in the Ohio Bureau of Workers' Compensation (BWC) Drug-Free Workplace Program (DFWP) or Drug-Free EZ program for small employers (DF-EZ) or an equivalent BWC approved DFWP in accordance with but not limited to Ohio Administrative Code Chapter 4123-17 and Executive Order 2002-13T.
10. Bidder agrees to furnish any information requested by the School District Board to evaluate the responsibility of the Bidder.
11. The Bidder represents that the Bidder is not subject to a finding for recovery under Section 9.24, ORC, or that Bidder has taken the appropriate remedial steps required under Section 9.24, ORC, or otherwise qualifies under this section.

Each bid shall contain the name of every person interested therein. If the Bidder is a corporation, partnership, sole proprietorship, or limited liability corporation, an officer, partner or principal of the Bidder, as applicable, shall print or type the legal name of the Bidder on the line provided and sign the Bid Form. If the Bidder is a joint venture, an officer, partner or principal, as applicable, of each member of the joint venture shall print or type the legal name of the applicable member on the line provided and signs the Bid Form.

SECTION 011113 SUMMARY OF WORK - LAKESIDE PLANETARIUM ABATEMENT & DEMOLITION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. General Provisions of the Contract, including General and Supplementary Conditions, Division 01 Specification Sections, Technical Specification Sections, Drawings, Project Schedule, apply to the Work of this Section.

1.2 SUMMARY

- A. The Project, as indicated in the Contract Documents includes the complete **Abatement & Demolition** of the Cleveland Metropolitan School District's existing Lakeside Planetarium Facility located at 1440 Lakeside Avenue, Cleveland, Ohio.
- B. This section also provides information regarding the duties, responsibilities, and cooperation required by the Contractor, with similar requirements for the subcontractors and suppliers.

1.3 INTENT OF THE WORK

- A. The intent of the Work, covered by the Contract Documents, shall be to provide all labor, equipment, materials, facilities and administration as required and necessary to complete the Work for the Project within the time stipulated.
- B. The Work of this package in general is to remove the existing buildings on the existing Lakeside Planetarium Demolition School site and other existing site items as noted in the Contract Documents and properly dispose of all materials, equipment, systems, and furnishings. The Contractor will remove and dispose of the debris and backfill the excavation with engineered fill as specified, seed and maintain grass as indicated in the contract documents.
- C. The Contractor shall be responsible for any associated abatement required prior to the demolition of the existing buildings. This includes the removal and proper disposal of asbestos and all hazardous containing materials or underground features by a certified abatement contractor with a current license in the State of Ohio. This also includes removal and proper disposal of all hazardous materials including fluorescent lights, PCB light ballasts, mercury switches, flammables, pesticides, herbicides, freon A/C and refrigeration systems, cleansers/lubricants, computers and monitors, and any hazardous materials found on the property. For further information see The Hazardous Material Visual Survey, Asbestos Survey, and Lead Based Paint Survey. The Contractor is responsible for field verification of the quantities and locations of potential hazardous materials prior to submitting his bid.
- D. The Contractor shall assume full responsibility and liability for the compliance with all Federal, State, and local regulations pertaining to abatement work practices, hauling, disposal, and protection of workers, visitors to the site, and persons occupying areas adjacent to the work area and site. On site personnel shall be licensed by the Ohio Department of Health as both an Asbestos Hazard Evaluation Specialist (AHES) and Asbestos Hazard Abatement Specialist (AHAS).
- E. The Contractor shall assume full responsibility and liability for the compliance with all Federal, State, and local regulations pertaining to demolition work practices, hauling, disposal, and protection of workers, visitors to the site, and persons occupying areas adjacent to the work area and site.
- F. If there is additional unforeseen and/or suspected abatement work required during any portion of the entire demolition process, the Demolition Contractor shall immediately notify the Construction Manager and the Project shall be subject to onsite inspection by the Environmental Consultant. If abatement is required, the Abatement Contractor shall remobilize to perform any and all required abatement work. All abatement activities shall be monitored by

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the Environmental Consultant. If the abatement work is in violation of the Contract documents or regulatory requirements, The Cleveland Metropolitan School District, through the Environmental Consultant, will issue a stop work order to be in effect immediately. The Demolition Contractor shall resume Work only upon receiving written authorization from the Construction Manager or Environmental Consultant. The cost of the Environmental Consultant inspections will be paid by the Cleveland Metropolitan School District or their designee through the allowance.

- G. Lead base paint (LBP) is assumed to exist on the exterior and/or interior surfaces of the existing structures. It is the responsibility of this Contractor or his Subcontractors to properly protect their employees from potential elevated lead exposure when impacting any painted surface by complying with all the requirements of OSHA's Lead in Construction Industry Regulation (29CFR1926.62) and the April 22, 2010 United States EPA Lead Renovation, Repair and Painting Rule.
- H. The Contractor for this Bid Package shall execute, perform and accomplish all Work necessary to achieve the intent of the Contract Documents and shall have no claims against the Cleveland Metropolitan School District, Ohio Facilities Construction Commission, Architect, Construction Manager or any of their Agents for additional costs except for Additional Work which is authorized by Change Order and signed by all parties to the Contract.
- I. The Contractor for this Bid Package shall be experienced and qualified enough to anticipate and understand the requirements and conditions associated with abatement and demolition of this type on a restricted site. It will be necessary to perform out-of-sequence Work and comeback Work, so as to accommodate continuity and use of existing facilities, temporary facilities, phased construction, completion of spaces, and all other needs of the Project. Work in compliance with this paragraph is not considered Extra Work.
- J. While work is in progress, this Contractor shall have a full time representative on site with full authority to act on behalf of the company.
- K. Contractors shall cooperate with and assist the Construction Manager in the preparation of construction progress and procedures, schedule of product deliveries, and their effect on the overall project progress and completion. Other Contractors shall cooperate in getting their Work and the Work of their subcontractors completed according to the schedule. Each Contractor shall immediately notify the Construction Manager of a delay in delivery of products or the scheduled date of completion that may affect the total progress of construction.
- L. The items listed herein are indicated to highlight certain aspects of the work and are not meant to limit the overall Scope of Work of this contract.
- M. The plan approval will be obtained by the Project Architect for the School District. The Contractor shall make all required notifications and obtain all permits and provide copies to the Construction Manager; pay all fees, give notice; file plans and licenses; arrange for testing, inspection and approvals as it relates to the Contractor's Work, such that the Work of other trades can progress in a continuous manner.
- N. The surrounding community properties and operations are NOT to be disrupted, interfered with or have a negative impact on their operations due to this Work. Any adverse conditions, damage, or problems that arise due to work under this contract shall be corrected immediately at the Contractor's expense. Noise, dust, and other pollutants from this Work shall be minimized to the fullest extent with all associated costs included in the base contract amount.
- O. Prior to beginning work, the Contractor must provide the Cleveland Metropolitan School District, through the Construction Manager, background check reports on all of their employees that may be assigned to this project. These background checks must be completed by a CMSD authorized firm. The five firms currently authorized to provide these reports to CMSD include:
 - 1. Guarino & Associates (440) 953 0957 / Contact: John Guarino
 - 2. International Investigations, Consultants, and Training, Inc. (216) 671-4700 / Attn: Christopher Giannini

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3. Satire Data Network (440) 834-4037 / Attn: Ralph Bongivonni
 4. Ohio Bureau of Criminal Identification & Investigation (740) 845-2000
 5. The Pre-Check Company (216) 226-7700 extension 106 / Attn: Robert Drusendahl
- P. This contractor shall provide certified payrolls for all workers performing work on this project. These certified payrolls (2 sets) shall be issued with the monthly pay application. See the sample report at the end of this section.
- Q. This contractor and any of its subcontractors' job site workforce at the Project shall have completed an OSHA 10 or 30 Hour Construction Course; and the onsite project supervisor for the Contractor shall have completed an OSHA 30 Hour Construction Course. Cards/certificates must be presented to the CM before beginning work on-site.

1.4 SPECIFIC SCOPE OF WORK

- A. Provide all labor, material, equipment, and supervision to perform the complete Abatement & Demolition for the Cleveland Metropolitan School District's existing Lakeside Planetarium Facility located at 1440 Lakeside Avenue, Cleveland, Ohio, which includes but is not necessarily limited to the following:
1. The Contractor is responsible for the effect of his work progress on all milestone dates per Paragraph 1.7.A, whether or not the milestone is a Contractor's direct activity. Each Contractor has the responsibility to meet the Project requirements including coordination and timely submission of submittals, coordination drawings, material deliveries, and sufficient equipment and manpower so as not to delay any other bid package or project activity.
 2. The Contractor will apply for and obtain any Permit related to any portion of his work as required by the City of Cleveland, Cuyahoga County, the State of Ohio, or any other governing agency as necessary to perform the work. Provide all necessary permits, inspection fees, and traffic control to perform this work. This is to include an Interior (Asbestos) Demolition or Alterations Permit, Demolition Permit, Fire Hydrant Permit, Sewer Bulkhead Permit, Sidewalk Permit, Temporary Fuel Tank Permit (this permit application shall be obtained from Cleveland Fire Prevention and the application must be signed by CMSD prior to submitting to CFP), etc. and all street opening fees and tap in fees required to complete the work.
 3. Complete all testing as required by the specifications and local authorities having jurisdictions. Provide necessary permits and fees to perform the work of the contract. Obtain all final inspections and signoffs and turnover to the Construction Manager for record. Include the costs of any required city inspections.
 4. The Contractor shall include all layout and field engineering for all items as required to ensure quality installations and as directed by the Construction Manager. Provide detailed survey information and common elevation benchmark to be used for rough grading and site layout.
 5. The Contractor shall be responsible for complete management of the work including subcontractors and scheduling. Coordination with other prime contractors shall be required.
 6. Photograph existing conditions on the project site prior to mobilization. Provide a copy of these photographs to the Construction Manager. Ensure the conditions of curbs, sidewalks, fences, buildings, and roads near the property are photographed.
 7. The Contractor is to confirm all property limits in the field prior to demolition. The Contractor shall install 8' high chain link fencing around the entire site perimeter, as detailed on the bid documents, including installation of two (2) 24' wide gates. Existing chain link fencing is to be repaired as necessary prior to abatement beginning. The temporary chain link fencing shall be removed as necessary to allow site work.

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8. The Contractor shall maintain all stockpiles required for the performance of the work at an onsite location at the direction of the Construction Manager. No stockpiles shall remain on site at the conclusion of this project.
9. The Contractor shall provide and maintain erosion and dust control as specified and shown in the Contract Documents and as required by local authorities and government agencies having jurisdiction and the Ohio EPA. This includes specified silt fence or filter sock material around the site and stockpile areas and temporary seeding of stockpile(s), sediment control, sediment traps, temporary swales, inlet (catch basin) protection for all on site and city street catch basins bordering the property, etc. Temporary erosion control shall be maintained for the entire duration of the contract and removed at the completion of the Contractor's work. Ensure an inspection of all erosion control measures is completed by the Contractor per the frequency required by the EPA, but no less than weekly.
10. Protect the trees that are designated to remain by encircling them with orange construction fence at the drip line of the tree. Maintain these fences on a daily basis. The tree protection fences shall be removed at the conclusion of the contract.
11. Clear the site of trees, bushes, shrubs, roots, stumps, and other vegetation not designated to remain as indicated in the Contract Documents.
12. The Contractor shall be responsible for complete site grading to established grade pursuant to the Contract Documents.
13. Ensure the site is graded to drain at the conclusion of every workday. The Contractor shall be responsible for drainage and dewatering of his work.
14. Backfill material is not available onsite. The Contractor shall import suitable material in sufficient quantities to achieve rough grade elevations and identify to the Construction Manager and Architect the source of imported material.
15. Provide the services of a licensed surveyor to complete the layout and grade elevations of the excavation work. Benchmarks have been established at the locations shown on the drawings. At the completion of the work in the Contract, the Contractor shall have a licensed surveyor complete a final certified survey of the site and submit the survey during closeout.
16. Backfill areas disturbed by debris removal, grubbing and clearing, concrete and asphalt removal, and other demolition activities and compact as required in the Contract Documents to specified grades. Ensure the area is constructed to maintain drainage patterns and erosion control.
17. Any damage to Work in place caused by the Contractor shall be repaired or replaced immediately by the Contractor to the satisfaction of the Architect/Engineer and the Construction Manager.
18. The Contractor shall maintain traffic on and off site when performing work including snow removal as necessary and/or directed by the Construction Manager for the entire duration of this project.
19. The Contractor will not commence work until a Job Hazard Analysis has been submitted by the Contractor and reviewed with the Construction Manager. Refer to the Project Safety Plan.
20. The Contractor shall be responsible for the onsite placement of any excess excavated material (spoils) that is generated by this work. Stockpiling in areas other than those designated or approved by the Construction Manager will not be allowed. Haul spoils offsite as required and as directed by the Construction Manager. All material that will not be reused on the site is to be immediately removed as part of this scope of work.
21. The Contractor shall provide any and all sheeting and shoring necessary to protect existing structures and/or utilities encountered during the work.

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B. Provide abatement and demolition debris removal that is indicated on the Contract Documents and as described below:

1. Submit to the Construction Manager a detailed Demolition Plan showing means and methods to complete all work associated with the demolition of the existing buildings and structures.
2. All existing utility lines and services are to remain, unless otherwise noted. Confirm that all utilities for the property have already been turned off. The Contractor must coordinate with the existing utility companies to disconnect all utilities from the existing buildings prior to demolition activities, including but not limited to electric, gas, water, telephone, cable TV, storm water, and sewer. The Contractor shall document the condition of all utilities that are scheduled to remain including providing to CMSD an as-built drawing of existing utilities.
3. Unless otherwise noted on the Contract Documents, all utilities are to be capped at the existing Property Line. Disconnect, cap, and remove all utilities found within the jobsite area and as described on the Contract Documents. Coordinate all utility work with the respective utility providers and the Ohio Utility Protection Service (OUPS). Utilities include, but are not limited to water, natural gas, electric, telephone, cable TV, storm sewer, and sanitary sewers. Ensure no loss of utilities to neighbors.
4. Ensure that a hazard analysis is performed prior to work and that proper safety measures are taken to avoid exposure to blood-borne pathogens while removing sanitary sewer conduits.
5. The Contractor shall perform all removal and disposal of all regulated asbestos containing materials, lead, and mercury containing fluorescent light tubes and/or bulbs, PCB light ballasts, mercury switches, transformers, pesticides/herbicides, flammable materials, cleansers/lubricants, freon A/C, hazardous material containers, etc., prior to demolition work and if discovered during the demolition process, if required. Crushing or recycling of materials will not be permitted during demolition activities. The Contractor is responsible for OSHA compliant personnel monitoring at no cost to CMSD if required. This work must be performed by a Licensed Abatement Contractor.
6. The Contractor will have salvage rights to the building or any contents upon receiving the Notice to Proceed except for items identified in the Contract Documents or specified by the CM to be turned over to the Owner. Items that are to be salvaged and turned over to the Owner shall be palletized and crated (using pressure treated 2x4s and ½" thick plywood, and protected inside the crate with at least 1" thick Styrofoam board material around all sides of the salvaged items), transported to and stored at the Ridge Road Facility, 3850 Ridge Road, Cleveland, Ohio or to a location designated by the Owner not to exceed 20 miles. Once pallets have been placed in their location at Ridge Road, identified by the CM, they are to be covered with reinforced tarps. Contractor is also responsible for unloading of pallets at the Ridge Road Facility. All other building contents shall be removed from the project site and disposed of by the Contractor. No sale of any salvaged items or other will be permitted on the property.
7. Provide protection, warning signs, barricades, and all other items required for the proper protection of demolition workmen. Provide protection at all elevations of the building as required by the City of Cleveland and any applicable Federal, State, and Local codes.
8. Employ a professional engineer to survey the condition of buildings and structures to be demolished in order to identify critical structural elements and recommend procedures and methods to be used for safe demolition. Submit a shoring plan to identify the shoring required to prevent structural deficiencies and unplanned collapses.
9. Employ a professional surveyor to provide a final survey of the site at the conclusion of the backfill and grading operation. The final survey shall be laid out on a 50' x 50' grid and provided to the CM in a digital as well as a printed .pdf format. The final survey shall

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also identify the benchmark utilized, all trees remaining on site, and all catch basins and/or manholes.

10. The use of explosives for demolition activities is strictly prohibited.
11. Demolish, remove, and dispose of properly off site, all debris that is developed by the demolition of the existing buildings and structures. Provide the Architect and Construction Manager with written documentation giving the Contractor written permission to dispose of debris from the owner of the property where debris will be deposited, prior to removing the debris from the project site.
12. Perform complete demolition and removal of all existing buildings and site improvements on CMSD property, including structures, pads, concrete and masonry foundations, footers, below grade structures, gravel backfill material, walls, roofs, floors, ceilings, wiring, plumbing, fixtures, stairs, etc. in accordance with the Contract Documents.
13. Perform complete demolition and removal of all adjacent structures including steps, overhead supports, columns, overhangs, walkways, driveways, concrete pads, concrete slabs on grade, concrete areas, rails, foundations, footers, below grade structures, planters, porches, landscaping, fences, posts, bollards, poles, decks, gravel backfill material, graveled surface areas, etc. as specified in the Contract Documents.
14. Perform demolition and removal of the asphalt, parking lots, and subbase (full depth removal), and all gravel backfill material as specified in the Contract Documents.
15. Perform complete demolition and removal of all existing metal, wood, and/or chain link fencing including all posts and fence foundations and all wood, masonry, or steel posts or bollards including foundations as specified in the Contract Documents.
16. After the removal of existing buildings, structures, adjacent structures, concrete slabs, gravel backfill, etc., undercut to suitable material up to an additional 2'-0" if required, backfill with engineered fill, and compact. Ensure that all foundation pits, crawl spaces, holes, voids, etc. are backfilled with approved engineered fill, compacted, graded per finished grading contours provided in the Contract Drawings, and verified by a registered surveyor via a final survey report and documents. All graded areas are then to be seeded in accordance with the Contract Specifications.
 - a. The Contractor shall include all lawn maintenance including watering and mowing from the inception of seeding through at least 3 site mowings. The silt fence or filter sock materials shall be removed, and the areas where these materials were previously placed shall be patched / seeded once a sufficient stand of grass has taken root to prevent erosion from the site. This timeframe shall be with the concurrence of the Construction Manager. The Contractor shall supply the Construction Manager with a copy of all SWPPP logs throughout the project.
 - b. The Contractor shall include all lawn maintenance for the entire site for the duration of the project; including grass mowing and trash pick-up out to the City streets/curbs, and weed cutting along the chain-link fencing.
17. The following are the allowable elevation standards for engineered fill:
 - a. Recycled concrete meeting ODOT 304 grading specifications or other acceptable engineered fill material per the project specifications up to -2'-0" of final grade as established per the SWPPP.
 - b. ODOT 304 limestone or other acceptable engineered fill material per the project specifications from -2'-0" up to -0'-6" of final grade as established per the SWPPP.
 - c. Install 6" of topsoil to allow seeding
 - d. No materials containing bricks, CMU, asphalt or other deleterious materials shall be used for fill on this site.

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18. Engineered fill shall conform to ODOT 304 specifications.

- a. The site should be cleared of vegetation and other deleterious materials. Existing utilities, pavement and other structures should be demolished and removed. The topsoil and any loose and wet or deleterious soils in the construction areas that are stripped from the site to provide for positive drainage is recommended. Materials placed as fill should meet the requirements of engineered fill.
- b. After clearing and excavating to subgrade levels, the site should be proof rolled with a loaded (15 to 20 ton) dump truck or heavy pneumatic tired construction equipment. Any loose or soft soils noted should be excavated to an acceptable bearing stratum as determined by the construction manager and/or geotechnical inspection personnel. Stabilization such as the placement of a geotextile and/or coarse graded stone may be required to stabilize the undercut subgrade and to facilitate backfilling. Grades should be restored by backfilling with engineered fill, placed and compacted in accordance with the criteria shown below.
- c. Engineered fill material should be placed in layers of not more than 8 inches in loose thickness for mass grading. In confined excavations like utility excavations, 4 to 6 inch lifts should be used.
- d. The moisture content at the time of compaction should be in the range of -2 to +2 percent of the optimum value as defined by ASTM D-698. The referenced moisture content should be maintained until construction is complete. If water must be added, it should be uniformly applied and thoroughly mixed into the fill by diskings or scarifying. Adjustments to the natural moisture content of the fill may be required in order to obtain specified compaction levels.
- e. Each layer of the fill material in the building areas and in pavement subgrade areas should be compacted to at least 98% of the standard proctor (ASTM D-698) maximum dry.
- f. A geotechnical engineer / technician should monitor all the fill placement and compaction operations on a full time basis and should perform a sufficient number of density tests (minimum of 1 per 1,000 SF) to verify that proper degrees of compaction are achieved.

19. Recycled concrete is acceptable engineered fill material provided it is crushed and graded to ODOT 304 specifications and is **free of bricks, asphalt, CMU, wood and other deleterious materials.**

20. The Contractor in conjunction with his environmental health and safety / qualified air sampling consultant, must develop an Air Quality and Noise Monitoring Program for the demolition activities at this site. The purpose of this program is to document that adequate controls are in place and that no harmful levels of airborne contaminants are being released to impact adjoining properties, occupants or passerby and that noise levels do not exceed regulatory levels and/or industry standards for the work being performed. This written Program must be provided to the Construction Manager for review and approval prior to the commencement of any site work. This program must at a minimum:

- a. Assess the potential contaminants and noise associated with all aspects of the demolition operation (including minimally decibels, CO, total airborne dust, and lead).
- b. Indicate the means and methods of conducting the demolition operations and any additional measures to be taken on a regular basis to keep the levels of noise and all likely airborne emissions to an absolute minimum.
- c. Establish noise and air contaminate levels sufficiently below any regulatory or recommended safety level to serve as a "trigger" such that, if reached, work

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operations must be halted and evaluated to determine emission(s) source and implement corrective measures to lower the noise or airborne levels.

- d. Detail the process for communicating results. It will be required that the results of all monitoring must be recorded with copies provided to the Construction Manager on a daily basis. Any elevated results must be reported to the Construction Manager immediately along with the corrective action and follow up air monitoring demonstrating that the corrective measures have been effective.

21. Where specific Work is to be completed under a particular phase of the Project and the Work is partially completed due to the type of work involved, the work is abandoned or jurisdictional trade agreements the Contractor is responsible to complete it as part of his Contract. No delay in the Work will be allowed due to the failure of the Contractor or his subcontractor to subcontract the uncompleted work required by the contract.

C. Furnish and Install Temporary Facilities as indicated on the Contract Documents and as described below:

1. Maintain traffic flow and proper signage in accordance with the Contract Drawings to ensure safe traffic patterns in and around the project site. Permission to relocate any roadway signage must be requested by the Contractor, through the City of Cleveland and any other Agencies having Jurisdiction and acceptance granted, prior to relocating.
2. Coordinate with local utility companies to raise overhead lines at construction entrances to an acceptable height for construction traffic if necessary.
3. The Contractor shall be responsible for all the costs incurred to maintain clean roadways and facilities on a daily basis, pursuant to all City of Cleveland, EPA, and Ohio Department of Transportation ordinances and regulations.
4. The Contractor is responsible for repairing damaged driveways, curbs, sidewalks, yards and roads on and off site to their original condition due to the Contractor's demolition activities, heavy equipment, and trucks.
5. The Contractor shall provide and maintain a trash disposal system for the demolition work of the Contract. Dumpster covers are to be provided by the Contractor for each dumpster located on site in accordance with EPA regulations.
6. Failure of the Contractor or his subcontractors to keep the areas free of debris and safe will not be tolerated, as it is a direct hazard to a safe working environment.
7. The Contractor will provide and maintain a wheel wash station, and the source of water for this wheel wash station.
8. The Contractor shall provide and maintain temporary toilets for the duration of the Contract. The number of temporary toilets required onsite shall be one toilet for every 10 male employees and one toilet for every 10 female employees.
9. The Construction Manager shall approve the final location of all stockpiles, lay down areas, storage areas, field offices, barricades, and equipment staging areas.
10. Provide a pest control company for the duration of the project to completely exterminate all rats, mice, roaches, and vermin from the existing buildings, structures, and surrounding property.
11. Provide all temporary power and water for the demolition work as described in the Safety Plan and in compliance with OSHA and the building codes. Assume that the existing building will not have any power or water.
12. The Contractor is responsible for all temporary lighting required to perform any portion of the work.
13. The Contractor is responsible for all temporary transportation, handling, receipt, rigging, hoisting, uncrating, removal and disposal of debris, and interim staging or storage

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including rough placement of all materials and equipment required by the execution of the Contract.

14. The Contractor shall provide OSHA approved perimeter safety guardrails at required excavation locations, which shall be maintained until construction is complete. The fall protection shall be reinstalled at the end of each workday if this protection was removed during the course of the work.
15. This Contractor is responsible to provide any security required during the abatement and demolition to protect any equipment or salvageable items for the duration of this work.

1.5 MISCELLANEOUS PROVISIONS

- A. General: During the demolition and abatement period, this Contractor shall have full use of the premises for demolition operations, including use of the site and as follows:
 1. Confine operations to areas in Contract Limits indicated or as directed by the Construction Manager.
 2. Do not disturb portions of the site beyond areas in which construction operations are indicated.
 3. Do not use driveways and entrances for parking or storage of materials.
 4. Schedule deliveries to minimize space and time requirements for storage of materials and equipment onsite, and store materials only in designated areas.
 5. Do not dispose of any material onsite by burial, burning, or by any other means.
 6. Keep adjacent roads clean of all mud and debris. Adjacent roads shall be cleaned on a daily basis, at a minimum.
 7. The Contractor shall ensure that precautions are taken to minimize the noise caused by construction, and to ensure compliance with all city ordinances.
- B. Taxes: Refer to General Conditions, Article 12.7 regarding tax exemption status.
- C. Insurance: Builders Risk Insurance will be provided by the School District in accordance with the General Conditions, Article 10.4, and as modified per the Supplementary Conditions.

1.6 LAKESIDE PLANETARIUM DEMOLITION SCOPE CLARIFICATIONS

- A. Ensure an inspection of all erosion control measures are completed by the Contractor per the frequency required by the EPA, but no less than weekly.
 1. This Includes specified filter sock material around the site and stockpile areas and temporary seeding of stockpile(s), inlet (catch basin) protection for all on site and city street catch basins bordering the property, tree protection, site entrance and street cleaning, trash collection and grass maintenance inside the site and out to the street curb, etc. Temporary erosion control shall be maintained for the entire duration of the contract and removed at the completion of the Contractor's work.
- B. Contractor may utilize the existing (minimum 8' high) chain link fencing in lieu of installing new chain link fencing. Contractor shall repair all existing holes in these reused chain link fencing sections to provide for a secure site.
- C. This contract includes all items noted in the bid documents, including, but not limited to, site concrete, asphalt paving, landscaping, exterior lighting, site signage, bollards & chains, metal panels, metal studs, drywall, painting, caulking.

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1.7 LAKESIDE PLANETARIUM DEMOLITION PROJECT SCHEDULE

- A. The following milestones shall be the basis for the Performance of Work for these Bid Packages. Each milestone commences with the Notice to Proceed (NTP).

Anticipated Notice to Proceed: June 27, 2018
Completion of Asbestos Abatement Plan & Notification Submittals: July 11, 2018
Completion of Hazardous Materials' Removal Submittal: July 11, 2018
Completion of Demolition Plan & Permit Submittals: July 11, 2018
Completion of Abatement: July 18, 2018
Completion of Demolition of Structure & Foundations: August 17, 2018
Completion of Backfill & Rough Grade: August 31, 2018
Completion of Parking Lot incl. all finishes: September 21, 2018
Completion of Building In-fill August 17, 2018
Completion of Filter Sock Removal, Lawn Maintenance & Repairs: September 14, 2018
Closeout: November 2, 2018

- B. Note that only major categories of Work are indicated above. Each individual activity/work effort is not graphically represented. Each Contractor shall use the information shown on the schedule above to understand the overall project intent, relating to this Bid Package.
- C. The Contractor shall ask the Construction Manager during the bidding phase any specific question related to the completion date of an element of Work indicated above.
- D. The Contractor shall include all the costs to meet all schedule dates outlined above. This includes not only the specific milestones but the start date for succeeding activities as well.
- E. Normal construction work is as described in the Special Conditions Article 2.17 Operating Hours for the Contractor. Should the Contractor require other hours or overtime (premium time) work to complete the schedule, all costs, including overtime for the construction testing firm shall be included in his base bid. These costs will not include Construction Manager or A/E supervision costs.

1.8 BID EVALUATION FORM

- A. In accordance with the Instructions to Bidders, selected bidders must provide the following information as evidence of their responsibility:
1. All information listed on the Bid Evaluation Form included within the Project Manual.
 2. The low and responsive bidder will be required to submit the completed Bid Evaluation Form and supporting documents to the Construction Manager within two (2) working days of the bid opening.

END OF SECTION

SECTION 012300 – ALTERNATES

PART 1 – GENERAL

1.01 GENERAL REQUIREMENTS

- A. Requirements in Conditions of the Contract and Division 1 of these Specifications apply to all work in this Section.
- B. To allow the Owner to compare total costs where alternate materials and methods might be used, and to enable the Owner's decision prior to awarding the Contract, certain alternates have been established as described in this Section.
- C. Required Alternates are worded briefly. Claims for additional compensation will not be granted because of manifest omissions or discrepancies due to the brevity. Pertinent Sections of these Specifications describe the materials or methods required under the various Alternates.
- D. Each Bidder shall submit with his bid in the space provided on the Bid Form, alternate costs on the additions to or deducts from the Base Bid lump sum amount for substituting, omitting, adding, changing or altering either materials, equipment or construction from that which is shown on the Drawings and/or in the Specifications.
- E. If the Owner elects to proceed on the basis of one or more alternates Contractor is bound to provide the work required at no additional cost other than as stated on the Bid Form.

1.02 ALTERNATES

- A. Alternates are to be in accordance with the itemization in this Section

1.03 BID RESPONSE

- A. Contractors are required to respond to all Alternates on Bid Form. If work does not apply or there is no cost, "N/A" or "-0-" is to be entered. Bid Form must not be left blank.**

1.04 SUMMARY OF ALTERNATES

Alternate No. 01: The removal of all foundations and slab on grade below -4'-0" of final finish grade (approximately Elev. 634') and infill with engineered fill per project specifications. Cost shall include all Overhead and Profit.

Alternate No. 02: The installation of the parking lot, associated site lighting, etc. as noted in the bid documents. Cost shall include all Overhead and Profit.

END OF SECTION

Lakeside Avenue – 66'
(Formerly Lake Street)

