

# **Wickliffe Park-N-Ride Lot**

**Disadvantaged Business Enterprise (DBE) Participation Goal:  
5.17%**



The regional transit authority for Lake County

Mailing Address: P.O. Box 158 • Grand River, Ohio 44045-0158  
Street Address: 555 Lake Shore Boulevard • Painesville, Ohio 44077

**April 2020**

190065

**LAKETRAN OFFICIALS**

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**ADVERTISEMENT FOR BIDS/PUBLIC NOTICE TO BIDDERS**

Sealed bids will be received by Laketran, 555 Lakeshore Boulevard, Painesville Township, Ohio 44077 until 3:00 p.m. on April 24, 2020 and will be opened and read immediately thereafter for the

**WICKLIFFE PARK-N-RIDE LOT**

**DEPARTMENT OF TRANSPORTATION FEDERALLY FUNDED PROJECT  
DISADVANTAGED BUSINESS ENTERPRISE (DBE) PARTICIPATION GOAL: 5.17%**

**OPINION OF PROBABLE CONSTRUCTION COST:  
CONTRACT A – SITE WORK: BASE BID \$1,377,000.00, ALTERNATES \$60,000.00  
CONTRACT B – BUILDING: \$932,000.00**

**COMPLETION DATE: DECEMBER 31, 2020**

The project consists of removal and replacement of the existing Park-N-Ride Lot and construction of a new transfer station. Bidders may bid either or any combination of Contract A, Contract B, or the Combined Bid.

Bids must be in accordance with drawings and specifications and on forms available from CT Consultants, Inc. at a non-refundable cost of Two Hundred Dollars (\$200.00) mailed. Documents may be ordered by forwarding a copy of a check with shipping information, email and phone contact to [is@ctconsultants.com](mailto:is@ctconsultants.com) and confirmed by calling 440-530-2272. Checks shall then be mailed to CT Consultants, Inc., 8150 Sterling Court, Mentor, Ohio 44060.

The bid specifications, drawings, plan holders list, addenda, and other bid information (but not the bid forms) may be obtained via the internet at [www.ctconsultants.com/bidinfo/index.html](http://www.ctconsultants.com/bidinfo/index.html) . The bidder shall be responsible to check for Addenda and obtain same from the web site.

There will be a non-mandatory Pre-Bid Meeting at 10:00 a.m. on April 17, 2020 via Video / Teleconference using RingCentral. Join from PC, Mac, Linux, iOS or Android: <https://meetings.ringcentral.com/j/1480085892> Details for logging into the Video / Teleconference are posted on the CT Consultants website.

LAKETRAN's offices are located at 555 Lake Shore Boulevard, Painesville Township, Ohio 44077. This address should be used for overnight delivery, UPS, etc.

The mailing address for LAKETRAN is Box 158, Grand River, Ohio 44045-0158. This address should only be used for U.S. Mail. Proposers are cautioned that delivery of regular and overnight Mail to the P.O. Box may be delayed and that the P.O. Box should not be relied upon for on-time delivery of your proposal unless additional days of delivery time are allowed before sending.

Publish: *The News Herald*  
April 10, 2020  
April 17, 2020

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***SECTION 1***  
***BID DOCUMENTS***

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## INSTRUCTIONS TO BIDDERS

### PART 1 GENERAL

- 1.1 Sealed bids shall be received by the Owner at the location specified and until the time and date specified in the Advertisement for Bids/Public Notice to Bidders.
- 1.2 Each bid shall contain the full name and address of each person or company interested in said bid. If no other person be so interested, the Bidder shall distinctly so state the fact.
- 1.3 Bid forms must be completed in ink or by typewriter. Any corrections to the bid forms prior to submission must be initialed by the person signing the bid. Failure to submit any bid form(s) or other required document(s) may be cause for rejection of the bidder's bid at the sole discretion of the Owner.
- 1.4 Bids by Corporations must be executed in the corporate name by the President, Vice President, or other officer accompanied by evidence of authority to sign and the corporate seal must be affixed and attested by the Secretary on the Corporate Resolution form.
- 1.5 Bids by partnerships must be executed in the partnership name and signed by a partner, whose title must appear under the signature.
- 1.6 All names must be typed or printed below the signature.
- 1.7 The bid shall contain an acknowledgment of receipt of all Addenda.
- 1.8 If a Bidder wishes to withdraw their bid prior to the opening of bids, they shall state their purpose in writing to the Owner before the time fixed for the opening, and when reached it shall be handed to them unread.
- 1.9 After the opening of bids, no Bidder may withdraw their bid for a period of 60 days.

### PART 2 EXAMINATION OF CONTRACT DOCUMENTS AND SITE

- 2.1 Before submitting a bid, each Bidder must
  - A. Examine the Contract Documents thoroughly.
  - B. Visit the site to familiarize themselves with local conditions that may in any manner affect cost, progress, or performance of the work.
  - C. Familiarize themselves with Federal, State, and local laws, ordinances, rules, and regulations that may in any manner affect cost, progress, or performance of the work.
  - D. Study and carefully correlate Bidder's observations with the Contract Documents.

- 2.2 Reference is made to the Specific Project Requirements for the identification of any reports of investigations and tests of subsurface and latent physical conditions at the site or otherwise affecting cost, progress or performance of the work which have been relied upon by the Engineer in preparing the drawings and specifications. Owner will make copies of such reports available to any Bidder requesting them if not made available with the bid documents. These reports are not guaranteed as to accuracy or completeness; nor are they part of the Contract Documents. Before submitting their bid each Bidder will, at their own expense, make such additional investigations and tests as the Bidder may deem necessary to determine their bid for performance of the work in accordance with the time, price and other terms and conditions of the Contract Documents.
- 2.3 Upon request, the Owner will provide each Bidder access to the site to conduct such reasonable investigations and tests as each Bidder deems necessary for submission for their bid.
- 2.4 The lands upon which the work is to be performed, rights-of-way for access thereto, and other lands designated for use by Bidder in performing the work are identified on the Drawings.
- 2.5 The submission of a bid will constitute an incontrovertible representation by the Bidder that they have complied with every requirement of this section and that the Contract Documents are sufficient in scope and detail to indicate and convey understanding of all terms and conditions for performance of the work.

### PART 3 ESTIMATED QUANTITIES

- 3.1 In Unit Price Contracts, the quantities of the work itemized in the bid are approximate only and the bidders are hereby notified that the estimated quantities made by the Engineer are merely for the guidance of the Owner in comparing on a uniform basis all bids received for the work.
- 3.2 The contract quantities, where itemized, are based on plan horizontal and vertical dimensions unless otherwise specified. It is the Contractor's responsibility to verify and determine actual quantities of materials such as pipe, pavement, subgrade, etc. in their ordering materials.
- 3.3 Payments, except for lump sum contracts and except for lump sum items in unit price contracts, will be made to the Contractor only for the actual quantities of work performed or materials furnished in accordance with the plans and specifications.
- 3.4 The successful Bidder will be required to furnish the Owner with a complete breakdown of the lump sum bid items, to the satisfaction of the Engineer/Architect, before signing the Contract documents.

#### PART 4 CONTRACTOR'S QUALIFICATION

- 4.1 Bidder shall provide detailed information relating to similar projects completed within the past 5 years which demonstrates the bidder's capability, responsibility, experience, skill, and financial standing to undertake this type of project and shall include a list of all projects currently under construction including status and contact person.
- 4.2 Bidder shall own, have rental or lease agreements for, or otherwise have readily available any and all equipment and tools necessary for proper execution of the work. The Owner reserves the right to request lists of equipment or tools available for the project including sources.
- 4.3 Bidder shall provide pertinent information to the Owner relative to any pending suits or outstanding liens. If no information is provided by the Bidder, the Owner shall assume that any such suits or liens do not exist.
- 4.4 The Owner may require similar information on any or all subcontractors proposed by the Bidder.
- 4.5 Bids of corporations not chartered in the state in which the work will take place must be accompanied by proper certification that the corporation is authorized to do business in that state.

#### PART 5 SUBCONTRACTORS

- 5.1 The Bidder shall state on the appropriate bid form the names of all Subcontractors proposed and the items of work they are to be assigned. All work not assigned to a Subcontractor shall be assumed by the Owner to be performed by the Bidder.
- 5.2 The Owner reserves the right to approve all subcontractors proposed by the Bidder. If the Owner, after due investigation, rejects the use of a proposed subcontractor, the apparent successful Bidder may either submit an acceptable substitution without increase in bid price or decline substitution and withdraw their bid without sacrificing their bid security. Any listed subcontractor to whom the Owner does not make written objection prior to award of contract, shall be deemed acceptable to the Owner.
- 5.3 Requests for changes of Subcontractor by the Bidder after the award shall be subject to the Owner's approval and shall not change the contract bid prices.
- 5.4 No contractor shall be required to employ any Subcontractor, person or organization against whom they have reasonable objection.

#### PART 6 BID REVIEW BY OWNER

- 6.1 The Owner reserves the right to reject any and all bids, to waive as an informality any and all irregularities, and to disregard all nonconforming, nonresponsive or conditional bids.

- 6.2 All extensions and totals of unit prices and quantities submitted as part of the bid shall be considered informal until verified by the Owner. All bids must be made on the forms contained herein and the bid prices must be written therein, in figures only. Unit prices shall be separately written for "Unit Price Labor," "Unit Price Material," and "Total Unit Price" for each item listed. Should an error in addition and/or multiplication be determined while checking the Contractor's math and verifying their total bid, the "Unit Price Labor" and the "Unit Price Material" figures shall govern in determining the correct "Total Unit Price" and the correct "Item Total."
- 6.3 Each bidder must bid on all Items, Alternates, Deductions, and Additions contained in the Bidding Forms. All bids not in conformity with this notice may be considered non-responsive and may be rejected.
- 6.4 More than one bid for the same work from an individual or entity under the same of different names will not be considered. Reasonable grounds for believing that that any bidder has an interest in more than one bid for the work may be cause for disqualification of that bidder and the rejection of all bids in which the bidder has an interest. A subcontractor or supplier is not a bidder, and may submit prices to multiple bidders.
- 6.5 In evaluating bids, the Owner may consider:
- A. The qualifications and experience of the Bidder, proposed subcontractors, and principal material suppliers as outlined in the plans and specifications.
  - B. Financial ability and soundness of the Bidder and proposed subcontractors.
  - C. Completeness of all bid forms and bid requirements.
  - D. Alternates and unit prices requested in the Bid Forms.
  - E. Unit prices or schedules of values that are or appear to be unbalanced.
  - F. Previous contractual experience with the Owner.
  - G. Whether or not the bid package complies with the prescribed requirements.
  - H. The proposed completion date, if applicable.
  - I. Any other matter allowed by law or local ordinance or resolution.
- 6.5 Owner may conduct further investigations as they deem necessary to assist in the evaluation of any bid and to establish the responsibility, qualifications, and financial ability of the Bidders, proposed Subcontractors, and other persons and organizations to do the work in accordance with the Contract Documents to Owner's satisfaction within the prescribed time.
- 6.6 Owner reserves the right to reject the bid of any Bidder who does not pass any such evaluation to Owner's satisfaction.

- 6.7 The Contract award shall be based on the lowest and best bid or lowest responsive and responsible bid (as applicable for the public contracting agency receiving bids) for the base bid and selected alternate items (if any) for this project.

## PART 7 BID SECURITY

- 7.1 Each bid must be accompanied by a certified or cashier's check in the amount of 10% of the amount bid, an irrevocable letter of credit in the amount of 10% of the amount bid or an original bond in the amount of 100% of the amount bid per ORC 153.54 and 153.571. The certified or cashier's check, or irrevocable letter of credit shall be from a financial institution authorized to transact business in the State of Ohio and acceptable to the Owner. The bond shall be underwritten by a Surety Company authorized to transact business in the State of Ohio having an Ohio agent and listed on the most current Department of the Treasury Circular 570, "Surety Companies Acceptable on Federal Bonds." The bond shall be a "Bid Guarantee and Contract Bond" ("rollover bond") per O.R.C. sections 153.54 and 153.571 submitted for the full amount of the bid **including all alternates**, if any.

If bid security is made by bond, the Bidder and their Surety shall sign the Supplemental Bond Acknowledgement form and submit with their bid.

- 7.2 The certified or cashier's check, irrevocable letter of credit, or bond shall be made payable to the Owner and shall serve as a guarantee that in the event the bid is accepted and a contract is awarded to the successful Bidder, the contract will be executed by the bidder including any certifications, certificates or additional bonds required by the contract.
- 7.3 Failure on the part of the successful Bidder to execute the contract documents will cause the certified or cashier's check, irrevocable letter of credit, or bond to be forfeited to the Owner as damages.
- A. If the Owner awards the contract without rebidding, the Bidder (and the Surety on their bond if a bond was submitted) shall be liable to the Owner for a penal sum not to exceed the difference between the low bid and the next lowest bidder or 10% of the amount of the bid, whichever is less.
- B. If the Owner does not award the Contract to the next lowest Bidder, but resubmits the project for bidding; the Bidder (and the Surety on their bond if a bond was submitted) shall be liable to the Owner for a penal sum not to exceed the costs in connection with the resubmission of bids or 10% of the amount of the bid, whichever is less.
- 7.4 Checks or letters of credit for bid security of all bidders will be returned in the manner and timeframe stipulated in the Ohio Revised Code.

## PART 8 CONTRACT BOND

- 8.1 As security for faithful performance and payment of all obligations under the Contract, the Owner shall require and the successful Bidder shall furnish either:
- A. *If submitted as Bid Security at time of bid:* "Bid Guarantee and Contract Bond" (AKA "rollover bond") per O.R.C. sections 153.54 and 153.571.
  - B. *If a cashier's check or irrevocable letter of credit is submitted as Bid Security at time of bid:* Contract Bond per Ohio Revised Code Sections 153.54 and 153.57, in the amount of 100% of the Contract Price. The Contractor and their Surety shall sign the Supplemental Bond Acknowledgement form and submit with the Contract forms
- 8.2 The bond shall be underwritten by a Surety Company authorized to transact business in the State of Ohio having an Ohio agent and listed on the most current Department of the Treasury Circular 570, "Surety Companies Acceptable on Federal Bonds."
- 8.3 The contract bond shall cover correction of the work for the period stated in the specifications and the correction period shall start upon Final Acceptance of the entire project and final payment by the Owner.
- 8.4 Nothing in the performance of the Engineer's service to the Owner in connection with this project shall in any way imply any undertaking for the benefit of the successful Bidder, its subcontractor(s), or the surety of any of them.

## PART 9 AWARD AND EXECUTION OF CONTRACT

- 9.1 After the Owner's legislative body awards the project, the successful bidder will receive the unsigned contract documents. Within 10 days after their receipt, the successful Bidder shall sign and deliver to the Owner said contract documents including any certifications, certificates, or additional bonds required by the contract.
- 9.2 The Owner shall execute the Contract within 60 days after the day of the bid opening. When necessary and by mutual consent between the Owner and the Successful Bidder, this 60-day period may be extended.
- 9.3 The date of the Owner's signature on the Contract Agreement shall be the effective contract date.
- 9.4 The Owner shall execute and deliver to the successful Bidder one set of fully executed contract documents.

## PART 10 INSURANCE

- 10.1 Verification of limits for public liability, property damage, automobile, Worker's Compensation, or any other insurance required by the provisions of this Contract must be submitted to the Owner prior to execution of the Contract.

- 10.2 All insurance shall be endorsed so that it cannot be cancelled for non-payment of premium for 10 days or cancelled or non-renewed for any other reason in less than 30 days after a written notice of such proposed action by the insurer is given to the Owner. The cancellation clause on the Certificate(s) of Insurance shall read as specified in the Supplementary Conditions and failure to submit an insurance certificate and/or policy endorsement verifying same shall be reason for the Owner to consider the Contractor non-responsive in complying with the requirements for contract execution and may be cause for forfeiture of the Bid Security to Owner.
- 10.3 The Contractor's Liability Insurance policy(s) shall be endorsed such that limits are on a Per Project basis.
- 10.4 The Contractor shall also provide an Owner's and Contractor's Protective Policy.

#### PART 11 NON-COLLUSION AFFIDAVIT

- 11.1 Collusion between bidders will be cause for rejection of affected bids and may be cause for rejection of all bids. Multiple bids submitted by one bidder under the same name or different names, whether as an individual, firm, partnership, corporation, profit or non-profit, affiliate, or association will be cause for rejection of bids. A subcontractor is not a bidder, and may submit prices to multiple bidders.
- 11.2 All bidders shall submit an affidavit that their bid is genuine and not collusive or sham; that such bidder has not colluded, conspired, connived, or agreed, directly or indirectly, with any bidder or person, to put in a sham bid, or that such other bidder or person shall refrain from bidding; that such bidder has not in any manner, directly or indirectly sought by agreement or collusion, or communication or conference, with any person, to fix the bid price of affiant or any other bidder, or to fix any overhead, profit or cost element of said bid price, or of that of any other bidder, or to secure any advantage against the Owner or any person or persons interested in the proposed contract; that such bidder is the only party (or parties) who has an interest with the bidder in the profits of any contract which may result from the herein contained proposal; that no individual affiliated with the Owner, including but not limited to the head of any department, any employee, or any other official or officer of the Owner, is or will be directly or indirectly interested in this bid, and/or the profits from this bid if successful; that no individual affiliated with the Owner, including but not limited to the head of any department, any employee, or any other official or officer of the Owner, has or will receive anything of value as a result of the submission of this bid or its award; that no individual affiliated with the Owner, including but not limited to the head of any department, any employee, or any other official or officer of the Owner, has been solicited to provide assistance and/or provided assistance to the bidder which might give the bidder a competitive advantage or circumvent the competitive bidding process; and that all statements contained in said proposal are true; and further, that such bidder has not, directly or indirectly submitted this bid, or the contents thereof, or divulged information or data relative thereto to any association or to any member or agent thereof.
- 11.3 Each bid must be accompanied by a completed Noncollusion Affidavit provided within the contract documents.

11.4 Where there is reason to believe collusion or combination among bidders exists, the Owner reserves the right to reject the bid of those concerned.

#### PART 12 DELINQUENT PERSONAL PROPERTY STATEMENT

12.1 Included with the contract documents is a Delinquent Personal Property Statement to be filled out by the successful Bidder.

12.2 The statement shall be sent to both the County Auditor and the County Treasurer. A signed copy shall remain in the contract documents as well.

#### PART 13 ORIGINAL DOCUMENTS

13.1 All bid forms, contract forms, bonds and any other bid documents or contract documents requiring signatures shall be submitted with original signatures. No photo copies or faxed copies of signed documents shall be accepted.

#### PART 14 ADDENDA

14.1 The bidder shall be responsible to obtain Addenda from the web at [www.ctconsultants.com/bidinfo/index.html](http://www.ctconsultants.com/bidinfo/index.html).

END OF SECTION 02/2020



## **PRICES TO INCLUDE**

### **PART 1 - GENERAL**

Any work shown on the plans or required in the specifications but not paid for separately as a bid item shall be included in the cost of other bid items. The amount bid for each Bid Item shall include the following:

- 1.1 All labor, materials, tools, equipment, and transportation necessary for the proper execution of the work in accordance with the Contract Documents.
- 1.2 All assistance required by the Engineer to verify compliance with the Contract Documents, including measuring for final pay quantities.
- 1.3 Project coordination and scheduling.
- 1.4 Detailed breakdown of lump sum bid items as requested by the Engineer.
- 1.5 All provisions necessary to protect workmen, the general public, and property along the work in accordance with the Contract Documents.
- 1.6 Protection and/or replacement of existing property corner monuments.
- 1.7 Record drawings of the installed location of all underground electrical conduit, sewers, tees, wyes, laterals, etc.
- 1.8 Reimbursement to Owner for costs of re-inspection or re-testing of any work not installed in compliance with the Contract Documents.
- 1.9 Providing and implementing the Quality Control Plan in accordance with Specification Section 013319.
- 1.15 Replacement of all existing pavement striping removed or marred on improvement and adjacent streets due to construction.
- 1.16 Inspection fees to Lake County Department of Utilities.
- 1.17 Dumpsters / trash and debris removal from site.

### **PART 2 - ITEMS – CONTRACT A – SITE WORK**

All work proposed by this contract shall be quantified and paid for in accordance with the pertinent O.D.O.T. specification except as specifically altered by other provisions of this contract.

## 2.1 BONDS AND INSURANCES, AS PER PLAN

### Basis of Payment

A "Bonds and Insurances" item (including "Owner/Contractor Protective Policy," "All Risk Builder's Risk Insurance," and/or "Installation Floater Insurance", **and/or endorsements to fully comply with all contract requirements**) has been included in the bid proposal.

## 2.2 CLEARING AND GRUBBING, AS PER PLAN

The work, method of construction and materials for clearing and grubbing shall be in accordance with ODOT Item 201, except as modified herein.

1. Necessary clearing and grubbing outside of the pavement and building limits will not be measured separately. All work to be included in this bid item.
2. Scalping shall be performed to a depth where suitable material is found for the placement of embankment.

### Method of Measurement

Clearing and grubbing will be paid for on a lump sum basis which shall include all areas where new pavement and/or embankment is to be constructed as designated on the contract drawings and as directed by the Engineer.

### Basis of Payment

The lump sum price stipulated for clearing and grubbing to be paid for shall be full compensation for preparation of areas upon which clearing and grubbing is to be performed; including clearing, grubbing, scalping, removing trees, stumps, vegetation and debris, fencing, the off-site removal of all material encountered not being removed under some other item; and furnishing of all labor, material, tools and appurtenances necessary to complete the work in accordance with ODOT Item 201 and modifications herein and in reasonable close conformity with the typical section shown on the plans or as specified.

## 2.3 TREE REMOVAL INCLUDING STUMP, AS PER PLAN

### Method of Measurement

The quantity to be paid shall be the number installed per the plans and specifications.

### Basis of Payment

The unit price shall include removal and disposal of tree, entire stump and landscape timber planters, excavation, backfilling and compaction, and the furnishing of all labor, materials tools, and appurtenances necessary to complete the work as specified or as shown.

## 2.4 CATCH BASIN OR INLET REMOVED, AS PER PLAN

The work, method of construction and materials for removal of existing catch basin shall be in accordance with ODOT Item 202 with modifications shown on the improvement plans and detailed in the specifications.

### Method of Measurement

The quantity to be paid of each type of inlet basin removed shall be the actual number removed in accordance with the contract drawings and with these specifications.

### Basis of Payment

The unit price bid shall include removal and disposal of debris, compacted granular backfill, connection and sealing of existing sewer pipe as necessary, temporary pavement repair, removal and delivery of old castings to a location designated by the Owner; and the furnishing of all labor, materials, tools and appliances necessary to complete the work as specified or as shown. Payment of this Item will not be made where existing structures are called for removal and are within the proposed water/sewer trench limits.

## 2.5 REMOVAL OF EXISTING ON-SITE ITEMS AND DISPOSAL/DELIVERY

NOTE: These items include the removal of existing: light poles, light pole foundations, bollards, bike racks, bus shelter, ground-mounted signs, commercial sign and base.

### Method of Measurement

The quantity of each removal item to be paid for shall be the actual number of each removed and item complete in accordance with the Contract Drawings and with these Specifications.

### Basis of Payment

The unit price stipulated, each, for removal and disposal of various items shall include the removal, pavement void joint sealant, including the furnishing of all labor, tools, materials and equipment necessary to complete the work as directed or as shown. Base removal and premium compacted backfill, disposal and delivery to Laketran of items to be retained.

## 2.6 DISTRIBUTION CABLE REMOVED

### Basis of Payment

The lump sum price shall include removal of the cable and conduit as needed to install the proposed work. Any existing conduit not in conflict with the proposed work may be left in place. Ends of open pipe shall be capped or plugged with prefabricated caps or plugs or may be plugged with a cementitious plug.

## 2.7 EXCAVATION OF SUBGRADE AND EMBANKMENT WITH GRANULAR MATERIAL, CCS, AS PER PLAN

The work, method of construction and materials for undercut and backfill unsuitable subgrade, as directed, shall conform to ODOT Item 204, with the following modifications:

1. The following items of work shall be considered incidental costs to be included in the bid item:
  - a. Excavation to depth required by the Engineer to remove unstable material.
  - b. Backfill and compaction to a level equal to the proposed subbase with No. 304 stone under new pavement. The unit price in the Bid shall be for crushed limestone.

### Method of Measurement

The quantity to be paid of cubic yards of undercut and backfill unsuitable subgrade, as directed, shall be the number of cubic yards excavated and backfilled, complete and accepted, measured and calculated by surface area of the pavement above the undercut times the depth directed to be undercut.

### Basis of Payment

The unit price shall be full compensation for furnishing and placing all materials and furnishing all labor, tools and equipment necessary to complete the work as specified or as shown on the contract drawings.

## 2.8 WOVEN GEOTEXTILE FABRIC, AS PER PLAN, AS DIRECTED

The work, method of construction and materials shall be accordance with ODOT Item 204.

### Method of Measurement

The quantity to be paid of woven geotextile fabric shall be the actual square yard area of covered subgrade using woven geotextile fabric completed and accepted in place, as directed.

### Basis of Payment

The unit price stipulated per square yard of woven geotextile fabric complete in complete shall be full compensation for furnishing and properly installing the geotextile fabric in accordance with manufacturer's recommendation to the pavement subgrade unless directed otherwise by the Engineer; and furnishing all labor, tools, materials and equipment necessary to complete the work as specified or as shown.

## 2.9 PAVEMENT REPLACEMENT, ROADWAY/DRIVE APRON, AS PER PLAN

The work method of construction and materials for pavement replacement of the type specified shall be in accordance with ODOT Item 253 except as modified herein. Subgrade shall be compacted to 18 inches beyond the edge of pavement. No slag products shall be used for subbase.

1. Subgrade, installation, preparation, compaction, and proofrolling to be performed are included for payment under this Item.

### Method of Measurement

The quantity to be paid of pavement replacement including subbase and curbs of the thickness and class of concrete specified, shall be the number of square yards of pavement completed and accepted in place. The width for measurements will be the width of the pavement shown on the typical cross-section of the plan, details, additional widening where called for, or as otherwise directed in writing by the Engineer. The length will be measured horizontally along the centerline of the installed utility. The plan quantities as adjusted for changes, errors and deviation in excess of allowable tolerances will be the method of measurement.

### Basis of Payment

The unit price per square yard, shall be full compensation for furnishing and placing all materials, including reinforcing steel, dowels and joint materials, subbase material and compaction, concrete, asphalt, concrete curb, joint saw cutting, curing compound and furnishing all labor, tools, appliances, equipment and all other appurtenances necessary to complete the work as specified or as shown.

## 2.10 CONCRETE SEALING SURFACE TREATMENT, SINAK, AS PER PLAN

All new exposed new concrete pavement, drives, aprons, walks, curbs, and curb ramps shall receive Portland cement concrete sealing. The concrete shall be cured immediately after placement with a self-degrading curing compound such as ChemMasters Safe-Cure Clear, Water Based Resin, or equal. All exposed areas to be treated shall be broomed and high pressure power washed prior to application of the penetrating sealer.

The work, method of construction and materials shall be in accordance with Section 321313.33.

### Method of Measurement

The quantity to be paid of Portland cement concrete sealing surface treatment shall be the actual square yards of surface area which receives treatment at the specified application rates.

### Basis of Payment

The unit price stipulated per square yard of Portland Cement concrete sealing surface treatment, complete in place shall be full compensation for furnishing and applying the sealer at the specified application rates to all exposed reinforced and plain concrete pavements and concrete curbs, walks and curb ramps unless directed otherwise by the Engineer; and furnishing all labor, tools, materials and equipment necessary to complete the work as specified or as shown.

## 2.11 9-INCH REINFORCED CONCRETE PAVEMENT, CLASS QCI, AS PER PLAN

The work, method of construction and materials for reinforced concrete pavement of the class of concrete specified shall be in accordance with ODOT Items 451 and 609 except as modified herein. Subgrade shall be compacted to 18 inches beyond the edge of pavement. No slag products shall be used for subbase.

### Method of Measurement

The quantity to be paid of reinforced concrete pavement of the thickness and class of concrete specified, shall be the number of square yards of concrete pavement completed and accepted in place. The width for measurements will be the width of the pavement shown on the typical cross-section of the plans, additional widening where called for, or as otherwise directed in writing by the Engineer. The length will be measured horizontally along the centerline of each roadway or ramp. The plan quantities as adjusted for changes, errors and deviation in excess of allowable tolerances will be the method of measurement.

### Basis of Payment

The unit price per square yard, shall be full compensation for furnishing and placing all materials, including reinforcing steel, fiber reinforcing, dowels and joint materials, subgrade compaction, concrete curb, joint saw cutting, curing compound and furnishing all labor, tools, appliances, equipment and all other appurtenances necessary to complete the work as specified or as shown; provided, however, that for pavement found deficient in thickness only, the reduced price stipulated in ODOT 451.16 shall be paid. No additional payment over the unit contract bid price will be made for any pavement which has an average thickness excess of that shown on the contract drawings.

## 2.12 (1) SITE LIGHTING SYSTEM AND SECONDARY POWER (2) SITE ELECTRICAL, PRIMARY POWER AND COMMUNICATIONS SYSTEMS

### Basis of Payment

The lump sum price stipulated for (1) Site Lighting System and Secondary Power or (2) Site Electrical, Primary Power and Communications Systems-2 shall be full compensation to install all aspects of the site system. The unit price shall include all required wiring, lighting,

controllers, cabinets, GFI receptacle wiring, fused and non-fused connectors, light circuit conductors, ground rods, foundations, trenching and conduit, conduit jacked or drilled and pullboxes, poles, fixtures and incidentals for a complete and operational installation, including the furnishing of all labor, materials, tools and appurtenances necessary to complete the work as specified or as shown. The Contractor shall complete field installations, connections and testing of each system.

#### 2.13 4-INCH SHALLOW PIPE UNDERDRAIN WITH FABRIC WRAP, AS PER PLAN

The work, method of construction and materials for underdrain of the size specified with filter fabric trench wrap shall be in accordance with ODOT Item 605 with the following modifications:

1. Pipe material shall meet the requirement of ASTM D2729 Polyvinyl Chloride sewer pipe and fillings, perforated.
2. Filter fabric trench wrap to be ODOT 712.09 Type A filtering fabric or approved equivalent.
3. Trench dimensions shall be as detailed on the plans.
4. Bedding and backfill material shall be No. 67 aggregate, 703.01.
5. The cost of connecting to drainage structure is to be included with this item of work.

#### Method of Measurement

The quantity of underdrains of the size and type specified to be paid for shall be the actual number of lineal feet of pipe with aggregate and filter fabric complete in place, measured from end to end of each run of pipe. Pipe fittings and specials shall not be measured separately.

#### Basis of Payment

The unit price stipulated per lineal foot of underdrain shall be irrespective of the depth, class and size of pipe and shall include the furnishing and installing of the pipe, risers, specials, bends and fittings or cored stubs where shown on the drawings, filter fabric trench wrap, backfill material as specified, bedding, jointing material, plugs, stoppers, bulkheads, sheeting and shoring; earth and/or rock excavation; testing of compaction; disposal of undesirable and excess material; connection to drainage structures; dewatering, including all pumping required for underground or surface water; and the furnishing of all labor, materials, tools and appliances necessary to complete the work as specified or as shown.

#### 2.14 CHAIN LINK FENCE, AS PER PLAN / ORNAMENTAL FENCE (ALT.)

The work, method of construction and materials for fence items shall be in accordance with ODOT Item 607 with the following modifications and as shown on the improvement plans and specifications.

1. This item shall include the removal of existing trees and shrubs along the proposed fence area.

### Method of Measurement

The measurement of chain link fence or ornamental fence of the size and type specified shall be the actual number of lineal feet measured along the top of the fence from outside to outside of end posts exclusive gates and other openings, complete in place.

### Basis of Payment

The unit price bid shall include full compensation for furnishing and placing all materials including posts, fabric, clips, bands, caps, hardware, concrete, and any appurtenances necessary to complete the work as specified or as shown.

## 2.15 CONCRETE WALKS AND CURB RAMPS, AS PER PLAN

The work, method of construction and materials for concrete walk, concrete curb ramps and concrete pavement for drives shall conform to ODOT Items 608, 452, 304, 203 and 202, except as modified herein or as shown on the contract drawings.

- A. There will be no separate measurement or payment for removal and disposal of existing walk or concrete drives or subbase, crushed limestone base, and subgrade compaction. These items of work shall be included in the furnishing and installation of new walks or curb ramps or concrete pavement for drives.
- B. There will be no additional compensation for providing a thickened edge and/or integral curb, as detailed.
- E. ODOT Item 499 Concrete, Class QC1 shall be used for walks and curb ramps.
- F. Each and every sidewalk, drive slab and joint shall be edge tooled after texturing surface.
- G. ODOT 304 Aggregate Base, utilizing crushed limestone, shall be provided with these items.

### Method of Measurement

The quantity to be paid of concrete walk, concrete curb ramps to the thickness and class of concrete specified shall be the actual square dimension, square feet or square yards as indicated in the Proposal of finished surface complete in place.

### Basis of Payment

The unit price stipulated per square foot or square yards (as indicated in the Proposal) for concrete walk, concrete curb ramp of the thickness and class of concrete specified shall be full compensation for furnishing all materials, grading, forming, finishing of the walk, curb ramp and pavement including removal and disposal of existing grass, sod, topsoil, bushes, trees, walk



or pavement and curbs, necessary pavement saw cutting, clearing and grubbing, excavation and/or backfill to required line and grade, subgrade compaction as required, furnishing and installing subbase or base material, integral curbing, adjustment of water/gas service valves, concrete, curing compound, and expansion joint material; wire and/or mesh reinforcing as required; furnishing of all labor, tools, materials and equipment necessary to complete the work as specified or as shown.

## 2.16 CURB RAMP

The work, method of construction and materials for curb ramps as per plan, shall conform to ODOT 608, and as per the details in the plans.

NOTE: The concrete flat work for curb ramps shall be paid for under other items per square foot. This bid item is intended to reimburse the Contractor for the additional material and labor to form and install the detectable warning surface and any other elements required to provide the ADA ramp as detailed.

### Method of Measurement

The number, each, of curb ramps to be paid for shall be the actual number of each ramp installed, completed and accepted.

### Basis of Payment

The unit price, stipulated, each, for curb ramps shall be full compensation for excavation, removal and disposal of existing ramps and pavement, including necessary saw cuts, and any additional materials, including mortar and bricks as specified, grading, forming and finishing of the ramp and the furnishing and placing of all materials, labor, tools and equipment necessary to complete the work as specified or as shown in the contract drawings.

## 2.17 CURB, ALL TYPES, AS PER PLAN

The work, method of construction and materials for concrete curb as directed, of the type specified shall conform to ODOT Items 609 and 202 and as per details in the plans with the following modifications.

A. ODOT Item 499 Concrete, Class QC1 mix shall be used for all curbs.

### Method of Measurement

The length of curb of the type specified shall be the actual length of curb installed and accepted.

### Basis of Payment

The unit price stipulated per lineal foot for curb as directed for the type specified shall be full compensation for excavation, pavement, including necessary saw cuts, restoration of curb underdrains as required, backfill, lineal grading behind the curb to establish positive drainage

as directed, seeding and mulching behind the curb, and installing hook-bolts, dowels, joint sealant and new curbs and furnishing and placing all materials, and furnishing all labor, tools, and equipment necessary to complete the work as specified or as shown in the Contract Drawings.

## 2.18 SEWER CONSTRUCTION

The work, method of construction and materials for sewer construction shall be in accordance with ODOT Item 611 with the modifications shown on the improvement plans and detailed in the specifications.

### Method of Measurement

The quantity of sewer to be paid for shall be determined for gravity sewers by the linear feet difference in horizontal stationing between centerlines of as-built manholes and/or inlets, the existing sewer main or the end of pipe for stub connections.

### Basis of Payment

The unit price stipulated per lineal foot for sewer pipe of the various sizes and types specified shall be irrespective of class of pipe and depth and if not called out as a separate pay item, shall be full compensation for maintenance of traffic for the duration of the project; earth and/or rock excavation for the pipe and foundation for same, including clearing and grubbing; removal of all materials necessary for placing the pipe, including existing pavement (flexible or rigid), the complete removal of the existing sanitary and storm sewers, manholes and catch basins except materials listed separately; furnishing and placing granular or concrete bedding and special backfill as required, testing of compaction, constructing and subsequently removing all necessary boring and receiving pits, cofferdams, cribs, sheeting and shoring; furnishing, installing and operating necessary pumps, pipes and appurtenances necessary for flow bypassing and/or trench dewatering; sealing or banding all pipe joints where required; furnishing and installing of the pipe jointing materials and all necessary plugs, bulkheads, bends, fittings, specials and branches of a type at least equal to the conduit of which it becomes part; furnishing and installing concrete encasements, boring and steel casing pipe where required; protection, verification and/or replacement of all existing utilities, i.e., gas mains gas connections water mains (including hydrants and their connections to the main), water connections, sanitary sewers, sanitary connections, storm sewers, storm connections, curb drains, catch basins, culverts, electric or telephone underground cables and/or underground connections if damaged by the Contractor; protection of existing trees or vegetation; joining of the pipe to existing and proposed manholes, catch basins, structures, and other appurtenances as required whether temporary or permanent; leakage testing or internal videotaping; disposal of all surplus and unsuitable materials; furnishing and installing temporary stone trench topping of pavement and driveways; removal and replacement of poles, posts, signs, mailboxes, paperboxes, fences, landscape timbers, guardrails, sign wiring, fixtures and other appurtenances; removal and replacement of any damaged curbing, sidewalk, driveways, parking lots and roadways as directed by the Engineer; and the furnishing of all labor, tools, materials and equipment necessary to complete the work as specified or as shown.

## 2.19 6-INCH SANITARY SEWER TEST TEE/CLEANOUT AND RISER, AS PER PLAN

The work shall be in accordance with Specification 312333 and ODOT Item 611 except as modified in the improvement plans.

### Method of Measurement

The quantity to be paid shall be the number of cleanout/test tee assemblies installed as specified or directed.

### Basis of Payment

The unit price shall be irrespective of the depth of pipe, size of existing lateral or main and shall include horizontal and vertical surveying and layout; field locating the existing service connection alignment, main connection location by exploratory excavation, electronic tracking, televising or other means; connection to the existing sewer main and lateral; installation of specified caps on the riser including metal frame and covers in paved areas and concrete pads in gravel drives; verification of existing utilities prior to excavation; clearing and/or protection of existing trees or vegetation to be saved; furnishing and layout of pipe, specials, bends, tees, fittings, connection to existing lateral with premium tri-band couplings (with center shear band); adapters, plugs, stoppers, bulkheads, jointing material, surface grading, grass and surface restoration, site cleanup, and the furnishing of all labor, materials, tools and appurtenances necessary to complete the work as specified or as shown.

## 2.20 CONNECTION TO NEW OR EXISTING SEWER/MANHOLE, AS PER PLAN

### Method of Measurement

The number of connections of new or existing to pipes, manholes or structures paid shall be for each furnished in accordance with the Contract Drawings, details and specifications.

### Basis of Payment

The unit price stipulated, per each connection to new or existing pipes, manholes or structures shall be irrespective of the depth, class and size of pipe and shall include furnishing and connecting the pipe, pipe adapters and/or couplings, field coring existing manholes or structures, fittings, insert-a-tee, ASTM C-923 rubber seals, bedding, jointing material, bulkheads, concrete collars, rechanneling of the existing manhole invert as needed, removal and disposal of existing pipes and debris; and pumping required for adequate handling of flow bypassing.

## 2.21 CATCH BASIN / INLET BASIN WITH SUMP, AS PER PLAN

### Method of Measurement

The quantity of each catch basin/inlet basin to be paid for shall be the actual number furnished and built in place in accordance with the contract drawings and with these specifications.

### Basis of Payment

The unit price bid for catch/inlet basins shall include the furnishing and construction in place of the catch basins complete with excavation; backfill; frame and cover; steps; concrete; steel reinforcement; bricks; mortar; plastering; precast manhole sections; granular backfill under proposed or existing pavements, walks, drives, existing drainage structures, and disposal of all undesirable material; and the furnishing of all labor, materials, tools and appliances necessary to complete the work as specified or as shown. The unit price shall also include all sewer stubs, trap assemblies, sumps and plugs or connection of existing sewers to the drainage structure as indicated on the contract drawings or directed by the Engineer.

Adjustments in final casting elevations of plus or minus one (1) foot shall be included in the unit price.

## 2.22 STORMWATER DETENTION CAPACITY WITH DESIGNED UNDERGROUND CHAMBER SYSTEM, AS PER PLAN

### Method of Measurement

The quantity to be paid shall be the storm water storage capacity in the system (voids in stone and chambers) in cubic feet.

### Basis of Payment

The unit price shall be irrespective of the depth of the underground detention system and if not called out as a separate pay item shall include the furnishing and installation of the entire system including field location, exploratory excavation, earth and/or rock excavation; subgrade compaction, sheeting; shoring; disposal of undesirable and excess material; all pumping required for adequate handling of underground water and/or surface water; all materials including all specified geotextile fabric, perimeter stone, chambers, end caps, initial fill, access pipes, manifolds, manifold headers, inspection ports, underdrain, inserta tees, compacted backfill material; Owner's costs related to re-inspection or re-testing of failed or re-compacted backfill material; connection to existing conduit or structures; and the furnishing of all labor, materials, tools and appurtenances necessary to complete the work as specified or as shown.

## 2.23 MAINTAINING TRAFFIC, AS PER PLAN

The work, method of construction and materials for maintaining traffic shall be in accordance with ODOT Item 614 and the Ohio Manual of Uniform Traffic Control Devices (OMUTCD).

### Basis of Payment

The lump sum price stipulated for maintaining traffic shall include all costs for labor, materials, tools and appurtenances necessary to complete the work as specified. Payment shall be made progressively throughout the contract period in proportion to the percentage of work complete or as otherwise approved by the Engineer.

## 2.24 MAINTAINING TRAFFIC, TEMPORARY BUS STOP SHELTERED BASE, STRUCTURE PROVIDED BY LAKETRAN

Note: The work shall include the installation of a temporary bus stop along Lakeland Boulevard.

### Basis of Payment

The lump sum unit price stipulated for temporary bus stop shelter and base shall be full compensation for furnishing and placing all materials, and furnishing of all labor, tools and equipment necessary to complete the work as specified or as shown on the contract drawings.

## 2.25 CONSTRUCTION LAYOUT STAKES AND SURVEYING

The work, method of construction and materials for construction layout stakes and surveying shall be in accordance with ODOT Item 623.

### Basis of Payment

The lump sum price stipulated for construction layout stakes and surveying shall include all costs for labor, materials, tools, and appurtenances necessary to complete the work as specified. Payment shall be made progressively throughout the contract period in proportion to the percentage of work complete or as otherwise approved by the Engineer.

## 2.26 SIGN, FLAT SHEET WITH MOUNTING POST

### Method of Measurement

The quantity of each ground mounted sign to be paid for shall be the actual number of ground mounted signs installed complete in accordance with the Contract Drawings and with these Specifications.

### Basis of Payment

The unit price stipulated, each, for ground mounted sign shall include the pavement coring, installation, pavement void joint sealant, including the furnishing of all labor, tools, materials and equipment necessary to complete the work as directed or as shown.

## 2.27 WATER MAIN FITTINGS

The work, materials and methods of construction for ductile iron water main and fittings shall be in accordance with the current Lake County Department of Utilities Rules and Regulations, except as modified in these specifications and/or contract drawings. All pipe, including hydrant supply lines, shall be ductile iron Class 53 cement lined with push-on joints except as noted on the plans. Fittings shall be mechanical joint with thrust blocking.

### Method of Measurement

The measurement of ductile iron pipe water main of the size and class specified to be paid for shall be the horizontal projected length installed complete, tested and ready for service, including fittings as measured along the centerline of the pipe through fittings from center to center and through valves. Measurement will be made for hydrant supply lines. No measurement will be made for the required bedding or backfill; payment will be included in the unit price stipulated for water main.

### Basis of Payment

The unit price bid shall be full compensation for earth and/or rock excavation for the pipe and foundation for same, including clearing and grubbing, removal and disposal of all materials necessary for placing the pipe, remove and/or transplant existing trees and shrubs as shown on plans, furnishing and placing specified bedding, backfill and polywrap; sheeting and shoring to be left in place as shown on plans; furnishing, installing and operating necessary pumps, pipes and appurtenances necessary for flow bypassing and/or trench dewatering; furnishing and installing of the pipe, jointing material, plugs and clamps, tees, bends, thrust blocking, concrete; performing boring, free boring, testing and disinfection, protection of all other existing utilities including repair if damaged by the contractor; traffic control including furnishing and installing traffic compacted surface in sidewalk and driveways, Lake County inspection costs, and the furnishing of all labor, tools, materials and equipment necessary to complete the work as specified or as shown.

## 2.28 WATER SERVICE CONNECTIONS

The work, method of construction, and materials for service connections including new curb stop and box shall be in accordance with the current Lake County Department of Utilities Rules and Regulations, except as modified in this specification or contract drawings. All service connections shall be copper, unless otherwise shown on the contract drawings.

### Method of Measurement

The horizontal length of service connections including curb stop and box to be paid for shall be the actual number of lineal feet furnished and installed complete, tested, connected to the existing service connections or left for future use and ready for service.

### Basis of Payment

The unit price stipulated for lineal feet of service connection, shall be full compensation for earth and/or rock excavation, boring, jacking or pushing for the service connection, the curb stop and box, backfilling as specified, dewatering, removal and disposal of the existing curb stop box and all excess and unsuitable material; furnishing and installing the new service connection including corporation stop, copper service, tubing and stop, reducers, setting curb box to finished grade, and blocking; field locating and connecting the existing service connections to the new curb stop and furnishing all labor, tools, materials and appliances necessary to complete the work as specified or as shown.

## 2.29 GATE VALVES, VALVE BOX, CUT-IN TEES, BLOW OFF ASSEMBLIES AND TAPPING SLEEVES

The work, method of construction and materials for, gate valves and valve boxes, cut-in tee and solid sleeves, blow off assemblies, and tapping sleeves with tapping valve shall be in accordance with the current Lake County Department of Utilities Rules and Regulations, except as modified in these specifications and/or contract drawings. All gate valves shall be mechanical joint. Long valves shall have square boxes; hydrant valves shall have round boxes.

### Method of Measurement

The measurement of gate valve and box, cut-in tee and solid sleeve, blow off assemblies, and tapping sleeves with valve and box, of the sizes specified to be paid for shall be the actual number furnished and installed complete, tested, and ready for service. No measurement will be made for gate valves in fire hydrant assembly; payment will be included with the fire hydrant assembly.

### Basis of Payment

The unit price bid shall be full compensation for earth and/or rock excavation, backfill, disposal of surplus material, setting boxes to finished grade, furnishing and installing joint material, valve, box, cut-in tee and solid sleeve, joint restraints, concrete, thrust blocking, reinforcing steel and furnishing all labor, tools, materials and appliances necessary to complete the work as specified or as shown.

## 2.30 6-INCH HYDRANT ASSEMBLY, LAKE COUNTY SPECIFICATIONS

The work, method of construction and materials for hydrant assembly including 6-inch ductile iron pipe, Class 53, supply lines and 6-inch gate valve and box shall be in accordance with the current Lake County Department of Utilities Rules and Regulations, except as modified in this specification or contract drawings. All fittings shall be mechanical joint.

### Method of Measurement

The number, each, of hydrant assemblies of the type specified to be paid for shall be the actual number furnished and installed complete, tested, and ready for use including the hydrant, gate valve and box, and supply lines including anchoring ells and couplings. No measurement will be made for anchoring tees or reducers; payment to be included with pertinent ductile iron pipe water main items.

### Basis of Payment

The unit price stipulated each for hydrant assembly of the type specified shall be full compensation for earth and/or rock excavation for the assembly and the foundation of same, including clearing and grubbing, setting hydrant to finished grade including furnishing and placing hydrant extensions as required, removal and disposal of all surplus and unsuitable material, furnishing and placing the specified bedding and backfill, blocking, concrete, hydrant,

supply piping, fitting and specials, gate valve and box, jointing materials, constructing and subsequently removing all necessary cofferdams, cribs, sheeting and shoring; furnishing, installing and operating all necessary pumps, piping and appurtenances necessary for trench dewatering; protection of all other utilities and repaired, if damaged by the Contractor; and the furnishing of all labor, tools, materials and equipment to complete the work as specified or as shown.

### 2.31 WATER METER AND METER BOX, AS PER PLAN

The work, method of construction and materials for water meter and meter box shall be in accordance with the current Lake County Department of utilities rules and Regulations, except as modified in these specifications and/or contract drawings.

#### Method of Measurement

The measurement of water meter and meter box, of the sizes specified to be paid for shall be the actual number furnished and installed complete, tested, and ready for service.

#### Basis of Payment

The unit price bid shall be full compensation for earth and/or rock excavation, backfill, disposal of surplus material, setting boxes to finished grade, furnishing and installing joint material, meter, box, fittings, joint restraints, concrete, thrust blocking, and furnishing all labor, tools, materials and appliances necessary to complete the work as specified or as shown.

### 2.32 DOUBLE CHECK BACKFLOW AND VAULT, AS PER PLAN

The work, method of construction and materials for double check backflow and vault shall be in accordance with the Lake County Department of Utilities Rules and Regulations, except as modified in these specifications and/or contract drawings.

#### Method of Measurement

The number, each, of flushing assemblies of the type specified to be paid for shall be the actual number furnished and installed complete, tested, ready for use, and removal.

#### Basis of Payment

The unit price bid shall be full compensation for earth and/or rock excavation, backfill, disposal of surplus material, setting boxes to grade, furnishing and installing joint material, mechanical plug with tap, red brass pipe, curb stop and box, blow-off stand-pipe, couplings, fittings, blocking, removal and excavation necessary to remove flushing assembly and backfill; disposal of all other surplus, furnishing all labor, tools, materials and appliances necessary to complete the work as specified or as shown.



### 2.33 POLYESTER PAVEMENT MARKING, AS PER PLAN

The work, method of construction and materials for traffic paint shall be in accordance with ODOT Item 643 except as modified herein.

#### Basis of Payment

The price per each or linear foot or per mile, as prescribed, shall be full compensation to install all pavement markings along the project site, and shall include surface preparation, cleaning and furnishing of all labor, materials, tools and appurtenances for all pavement marking as shown on the plans or as directed by the Engineer.

### 2.34 LAWN RESTORATION INCLUDING LINEAL GRADING AND TOPSOIL, AS PER PLAN

The work, method of construction and materials for lawn restoration shall be in accordance with Section 329200.19 with the following modifications:

2. There will be no separated measurement or payment for furnishing and placing the required 4-inch topsoil bed.
2. Cost to prepare the subgrade to receive the 4-inch topsoil bed including any necessary excavation or embankment to bring the subgrade to the lines indicated on the plans and parallel to the proposed finished grade shall be included in this bid item.
3. The cost to furnish and place sphagnum peat moss at the rate specified and mix into the topsoil shall be included in this bid item.
4. Restoration within the contract pay limits will be paid as directed by the Engineer on a one-time basis. Subsequent repairs of previously repaired seeded areas, repair of areas outside the contract pay limits and repairs to areas not planted within the designated spring or fall sowing season shall be at the Contractor's expense.

#### Basis of Payment

The lump sum price stipulated for lawn restoration of all disturbed and damaged lawn areas shall be full compensation for excavation and/or embankment of all areas to be restored to a depth necessary for placing topsoil to the grades shown or directed by the Engineer; removal and disposal of excess and unsuitable materials; preparation of the subgrade for topsoil; furnishing, placing, spreading and rolling topsoil; preparing the topsoil bed for sowing of seed; furnishing and placing soil amendments, fertilizer, peat moss and seed; maintaining lawn by watering, fertilizing, weeding, mowing, trimming and other operations as rolling, regrading and replanting as required to establish an acceptable standard of growth; and restore damaged lawn landscape features; and the furnishing of all labor, material, tools, materials and appliances necessary to complete the work as specified or as shown.

## 2.35 TREE AND SHRUB PLANTING

The work, method of construction and materials for tree and shrub planting shall conform to ODOT Item 661.

### Method of Measurement

The quantity to be paid shall be the number installed per the plans and specifications or as directed by the Engineer.

### Basis of Payment

The unit price shall include excavation, backfill mix, wrapping, bracing and the furnishing of all labor, materials, tools and appurtenances necessary to complete the work as specified or as shown.

## 2.36 SITE ACCESSORIES: SPECIAL – TRASH RECEPTACLE, BENCHES, BICYCLE RACK

### Method of Measurement

The quantity to be paid shall be the number of site accessories, per the plans and specifications or as directed by the Engineer.

### Basis of Payment

The unit price each, shall include site preparation, layout, electrical, anchoring, and furnishing of all labor, materials, tools and appurtenances necessary to complete the work as specified or as shown.

## 2.37 EROSION CONTROL, AS PER PLAN

### Basis of Payment

The lump sum price shall include any and all labor, equipment, and materials including but not limited to inlet protection, silt fence, check dams, sediment traps/ponds, concrete washout pit, dust control, temporary seeding, and cleanup of streets as needed and at the direction of the Owner/Engineer to provide sediment and erosion control in accordance with the drawings and specifications and commensurate with the Contractor's means, methods, and work schedule.

## 2.38 MONUMENT SIGN ALLOWANCE, AS DIRECTED

### Basis of Payment

The allowance has been included in the bid proposal to be utilized as directed by the Engineer for payment from the Contractor to the Owner's Monument Sign Contractor for charges relating to providing and installing Monument Sign at the Project site in the lawn area between the parking lot and the public sidewalk. The amount to be paid from the Owner to the Contractor and the amount utilized in the allowance shall be the invoice amount from the Sign company without any mark-up by the Contractor and per the Contract provisions regarding retainer. Any portion of the allowance not utilized shall be credited to the Owner. Invoices for all work completed by the company or others shall be submitted as evidence of the work completed on the project.

No payment for this item will be made to the Contractor for work required when resulting from the Contractor's construction methods or re-work due to his negligence or construction methods.

## 2.39 CONTINGENCY/DISCRETIONARY ALLOWANCE

A Contingency/Discretionary Allowance has been included in the Bid Proposal to be utilized as directed by the Engineer for unscheduled work items not included on the proposal forms or other changes in the work. The contingency allowance or portions thereof shall only be released upon execution of approved Change Orders or as approved by the Engineer. Any portion of the allowance not utilized shall be credited to the Owner.

## 2.40 GAS LINE (ALT)

1. Bedding and backfill material shall be per sewer trench details.
2. The cost of utility company coordination is to be included with the various items of work.
3. Pipe shall be specified from the proposed gas line or as noted on the plans.

### Method of Measurement

The measurement of utility conduit of the size, number, and type specified to be paid for shall be the actual number of lineal feet of pipe with aggregate complete in place, measured from end to end of each run of pipe. Pipe fittings, specials, and multiple conduits shall not be measured separately.

### Basis of Payment

The unit price bid shall include the furnishing and installing of the pipe, risers, specials, bends and fittings or cored stubs where shown on the drawings, backfill material as specified, bedding, jointing materials, plugs, stoppers, bulkheads, sheeting and shoring; earth and/or rock excavation, testing of compaction, removal and disposal of undesirable and excess materials,

connection to utilities, dewatering, including all pumping required for underground or surface water; and the furnishing of all labor, materials, tools and appurtenances necessary to complete the work as specified or as shown.

#### 2.41 STAMPED AND INTEGRALLY COLORED CONCRETE, AS PER PLAN (ALT.)

##### Method of Measurement

The quantity to be paid shall be the number of square feet installed as per ODOT Item 608 and the plans and specifications.

##### Basis of Payment

The unit price shall be as per ODOT Item 608 as applicable with the following additions: The unit price shall include full depth saw cutting, excavation, compacted 304 aggregate base, concrete color, hardener, release agent, curing agent, sealer, imprinting, protection against defacing and marking, and the furnishing of all labor, materials, tools and appurtenance necessary to complete the work as specified or as shown.

### **PART 3 – ITEMS - CONTRACT B – BUILDING**

Contract B – Building is a lump sum bid. The bidder shall break his lump sum bid down into the general categories of work shown on the bid form.

#### 3.1 BONDS AND INSURANCES

##### Basis of Payment

A "Bonds and Insurances" item (including "Owner/Contractor Protective Policy," "All Risk Builder's Risk Insurance," and/or "Installation Floater Insurance", and/or endorsements to fully comply with all contract requirements) has been included in the bid proposal.

#### 3.2 REF. NOS. 2 TO 16

##### Basis of Payment

The lump sum prices shall include all work including incidentals.

#### 3.3 CONTINGENCY/DISCRETIONARY ALLOWANCE

A Contingency/Discretionary Allowance has been included in the Bid Proposal to be utilized as directed by the Engineer for unscheduled work items not included on the proposal forms or other changes in the work. The contingency allowance or portions thereof shall only be released upon execution of approved Change Orders or as approved by the Engineer. Any portion of the allowance not utilized shall be credited to the Owner.