

# SPECIFICATIONS

FOR

New Parking Lot Islands  
Lake Land College District Number 517  
Mattoon, Illinois 61938

PROJECT NO. 2019-008

Bid Date: May 6, 2019

Community College District Number 517  
Mattoon, Illinois

SECTION 00010

TABLE OF CONTENTS

<u>SECTION</u>	<u>DESCRIPTION</u>
00100	Advertisement for Bids
00200	Instructions to Bidders
00400	Bid Form
00600	Bonds and Certificates
00700	General Conditions
00800	Supplementary Conditions
01110	Summary of Work
01290	Payment Procedures
01500	Temporary Facilities and Controls
02225	Sitework Demolition and Removal
02311	Site Grading
02630	Storm Sewers
02723	Granular Sub-Base
02741	Hot Mix Asphalt Concrete Paving
02761	Pavement Markings
02770	Concrete Walks, Curbs and Gutters
02911	Topsoil and Seeding
02790	Site Plan

END OF SECTION

## SECTION 00100

### ADVERTISEMENT FOR BIDS

Bids: May 6, 2019  
LAKE LAND COLLEGE DISTRICT #517  
MATTOON, ILLINOIS  
Project No. 2019-008

The Lake Land College District Number 517 Board of Trustees will receive sealed bids for New Parking Lot Islands.

Bids will be received until 2:00 PM Central Standard Time on Monday, May 6, 2019 in the office of the Vice President for Business Services, in the Board and Administration Center on the campus of Lake Land College, 5001 Lake Land Boulevard, Mattoon, IL. Bids received after this time will not be accepted. Bids will be opened and publicly read immediately after the specified closing time. All interested parties are invited to attend. Obtain bidding documents/requirements at the office of the Vice President for Business Services, phone (217) 234-5224, [bgleckler@lakelandcollege.edu](mailto:bgleckler@lakelandcollege.edu).

The Board of Trustees reserves the right to waive irregularities and reject all bids or parts of bids.

Successful Bidders shall have the sole responsibility of complying with all aspects of existing Prevailing Wage Policies.

Lake Land College actively promotes continuing economic development in compliance with the Business Enterprise for Minorities, Females, and Persons with Disabilities Act (30 ILCS 575) . Successful Prospective Vendors shall have the sole responsibility of complying with all aspects.

Dave Storm  
Chairperson - Lake Land College Board of Trustees

## SECTION 00200

### INSTRUCTIONS TO BIDDERS

#### PART 1 GENERAL

##### 1.1 DEFINITIONS

- A. Lake Land College Board of Trustees will be hereafter referred to in this Specification as "Owners" and all correspondence shall be addressed to: Bryan Gleckler, Vice President for Business Services, Lake Land College, 5001 Lake Land Blvd., Mattoon, IL 61938.
- B. A Bidder is a person or entity who submits a Bid to the Owner.
- C. Bidding Documents include the Advertisement for Bid, Instructions to Bidders, Bid Forms and supplements, and Addenda.
- D. Contract Documents include any Contract forms, Specifications, Drawings, Addenda, and modifications.
- E. An Agreement is a written agreement between the Owner and Contractor setting forth the obligations of the parties thereunder, including but not limited to the provision of the specified goods and materials, the basis of payment and the contract time.
- F. A Bid is a complete and properly signed proposal to provide the goods and services for the sums stipulated therein, submitted in accordance with the Bidding Documents.
- G. The Base Bid is the sum stated in the Bid for which the Bidder offers to provide the goods and services described in the Bidding Documents as the base, to which items may be added or from which items may be deleted for sums stated in Alternate Bids.
- H. An Alternate Bid is an amount stated in the Bid to be added to or deducted from the amount of the Base Bid if the corresponding changes in the items, as described in the Bidding Documents, are executed.
- I. A Unit Price is an amount stated in the Bid as a price per unit of measurement for goods or services as described in the Bidding Documents or in the proposed Contract Documents.

##### 1.2 DOCUMENTS

- A. Copies of the Bidding Documents may be obtained at the Office of the Vice President for Business Services, 5001 Lake Land Boulevard, Mattoon, Illinois 61938, (217) 234-5224, [bgleckler@lakelandcollege.edu](mailto:bgleckler@lakelandcollege.edu).

## SECTION 00200

### 1.3 EXAMINATION OF DOCUMENTS

- A. Bidders shall examine all documents. Failure to do so will not relieve a successful bidder of his obligation to provide all labor and materials necessary to carry out the provision of his contract for the sum stated thereon.
- B. Each Bidder, by submitting his bid represents that he has read and understands the bidding documents.

### 1.4 EXAMINATION OF PREMISES

- A. Before submitting proposals for this work, each bidder will be held to have examined the premises and satisfied himself as to the conditions existing and under which he will be obliged to operate, or that will in any manner, affect the work of this contract.
- B. No allowance will be made subsequently in this connection in behalf of the contractor for any error or negligence on his part. The contractor agrees to accept the existing conditions as found at the time of signing of contract.

### 1.5 VISITING THE SITE

- A. Each bidder is required to visit the site and examine it as stipulated above. No special arrangements are required to make this visit.

### 1.6 AREAS, QUANTITIES AND MEASUREMENTS

- A. The contractor shall be responsible for all areas, quantities, and measurements related to the work to be performed under this contract. No extra charge or compensation shall be allowed the contractor for any error or negligence on his part. The contractor shall visit the job site and acquaint himself with all conditions concerning this work.

### 1.7 INTERPRETATIONS DURING BIDDING

- A. If any Bidder is in doubt as to the meaning of any part of the Bidding Documents, they may submit a written request to: Kimberly Wellbaum, Administrative Assistant to Physical Plant Operations, 5001 Lake Land Boulevard, Mattoon, Illinois 61938, (217) 234-5284, kwellbau@lakelandcollege.edu; for an interpretation of that part.
- B. Written requests for interpretations or clarifications must be made no later than three (3) working days prior to the Bid Date specified in the Advertisement for Bids.
- C. Any interpretation or change will be made only by Addenda numbered, dated, and issued by the Owner to each Bidder on record as having received a set of Bidding Documents and will be available for inspection wherever the

## SECTION 00200

Bidding Documents are kept available for that purpose. Lake Land College will not be responsible for any other explanations or interpretations of the Bidding Documents.

### 1.8 SUBSTITUTION OF PRODUCTS

- A. Manufacturer's trade names are used in specifications for the express purpose of establishing a standard of quality and coordination of design, not for the purpose of limiting competition.
- B. All sizes of equipment must be as specified, and all pieces of equipment must include or have those features which are set forth in the specifications.
- C. No substitution will be considered unless a written request has been submitted with their bid.
- D. Bidders proposing substitutions in writing must submit detailed specifications with catalog cuts or manufacturer's literature, pictorially portraying that on which they are bidding for comparison to specified items by the Owner.
- E. Any additional explanation or statement which the Bidder wishes to make must be placed in the same envelope and attached to the proposal. Unless the Bidder so indicates, it is understood that the Bidder has bid in strict accordance with the specifications and drawings and has made no substitutions, modifications or additional stipulations.
- F. Bids shall not contain any recapitulation of the work to be done and no oral, telephone, facsimile or email proposals or modifications will be considered.

### 1.9 QUALIFICATION OF BIDDERS

- A. Bidders may be disqualified and their Bids not considered for any of the following specific reasons:
  - 1. Reason to believe collusion exists among Bidders.
  - 2. The Bidder being interested in any litigation against the Owner.
  - 3. The Bidder being in arrears on any existing contract or having defaulted on a previous contract.
  - 4. Lack of competency as revealed by the financial statement, experience, and equipment, questionnaires, or qualification statement.
  - 5. Uncompleted work, which in the judgment of the Owner will prevent or hinder the prompt completion of additional work if awarded.

## SECTION 00200

- B. If requested, a Bidder shall submit to the Owner a confidential Financial Statement in a sealed envelope.

### 1.10 PREPARATION OF BID:

- A. All bids must be submitted on the bid form contained herein. Oral, telephone, facsimile, electronic mail, or telegraph bids will not be accepted.
- B. The Bidder shall base the bid on materials complying with the Bidding Documents, and shall list all information where the bid form requires.
- C. The blank spaces in the bid form shall be filled in correctly with ink or typewritten. A bid form containing an alteration or erasure of any price contained in the bid which is used in determining the lowest responsible bid shall be rejected unless the alteration or erasure is corrected as herein provided:
  - 1. An alteration or erasure must be crossed out and the correction printed in ink or typewritten adjacent to the alteration or erasure.
  - 2. The person signing the bid must initial the correction in ink.
  - 3. In the event that any price used in determining the lowest responsible bid is expressed by the Bidder in both written and numerical form, the written representation shall govern in all cases.
- D. If the bid form includes alternates, each Bidder shall bid on each alternate. Failure to comply may be cause for rejection.
- E. If an individual submits Bid, he or his duly authorized agent must sign his name. If a firm, association or partnership submits the Bid, the name, address and title of each member must be given, and an official or duly authorized agent must sign the Bid. Powers of attorney authorizing agents or others to sign Bids must be properly certified and must be in writing and submitted with the Bid.
- F. Bids from individuals or partnerships, if signed by an attorney-in-fact, shall have attached to the bid the power of attorney, evidencing the authority to sign the bid. If the bid is signed by any other legal entity, the authority of the person signing shall be attached to the bid.

### 1.11 EXEMPTION FROM SALES TAX ON MATERIALS

- A. The Owner is exempted by Section Three of the Illinois Use Tax Act (Sec 3, House Bill 1610 approved July 31, 1961. IL. Rev. Stat. 1961, Chap. 120 Sec 439.3) from paying any of the taxes imposed by that act and sales to the Owner are exempt by Section Two of the Illinois Retailer's Occupation Tax Act (Section 2, House Bill 1609, Approved July 31, 1961 IL. Rev. Stat. 1961, Chap. 120 Sec. 441) from any of the taxes imposed by that Act.

## SECTION 00200

### 1.12 IDENTIFICATION AND SUBMITTAL OF BID

- A. Each bid and all papers bound and attached to it shall be placed in an envelope and securely sealed therein. The envelope shall be plainly marked with the following:
  - 1. The word "BID"
  - 2. Name and address of the Bidder.
- B. The envelope of the bid shall be addressed to:

Bryan Gleckler  
Lake Land College  
New Parking Lot Islands #2019-008  
5001 Lake Land Boulevard  
Mattoon, Illinois, 61938
- C. Bids shall be delivered before the time set for the opening of the bids. Bids arriving by mail or otherwise after the time designated for the opening of bids will be returned unopened. Oral, telephone, facsimile, electronic mail, or telegraph bids shall not be accepted.

### 1.13 MODIFICATION OR WITHDRAWAL OF BID

- A. A bid may not be modified after submittal. Bidders may withdraw a bid at any time before opening. A Withdrawal of a Bid must be made in writing or in person by a bidder or his duly authorized agent. If a firm, association or partnership wishes to withdraw a bid, an official or duly authorized agent must sign the written request or appear in person.
- B. Once withdrawn, the bidder must submit a new bid prior to the opening in order to be considered.
- C. No Bid may be withdrawn or modified after the Bid opening except where the award of the Contract has been delayed beyond 60 days after date of Bid.

### 1.14 OPENING OF BIDS

- A. The Bids submitted will be opened at the time and place stated in the Advertisement for Bids and publicly read aloud and thereafter shall remain on file with the Owner.
- B. After Bids are opened, the Bids will be tabulated for comparison on the basis of the Bid prices and quantities shown on the Bids.



## SECTION 00200

- C. The Owner reserves the right to withhold the award of the Contract for a period of 60 days from the date of the opening of Bids and no award will be made until the Owner is satisfied as to the responsibilities of the low Bidders.
- D. Until final award of the Contract, the Owner reserves the right to reject any or all Bids or proceed to do the work otherwise in the best interest of the Owner.

### 1.15 EVALUATION AND CONSIDERATION OF BIDS

- A. The Owner reserves the right to reject all bids or parts of bids, and to waive informalities therein.
- B. For the purpose of determining the lowest responsible bidder in the consideration of all bids submitted, the Owner reserves the right to accept or reject any or all alternates in the numerical order in which they appear on the bid form.

### 1.16 DISQUALIFICATION OF BIDDERS

- A. Bids will not be considered if they show any omissions, additions, alterations of form, conditions not requested unauthorized alternate Bids or irregularities of any kind. However, the Owner reserves the right to waive any irregularities and to make the award in the best interest of the Owner.
- B. The Bidder acknowledges the right of the Owner to reject any or all Bids and to waive any informality or irregularity in any Bid received. In addition, the Bidder recognizes the right of the Owner to reject a Bid if the Bidder fails to submit the data required by the Bidding Documents.
- C. For the purpose of determining the lowest responsible bidder in the consideration of all bids submitted, the Owner reserves the right to accept or reject any or all alternates in the numerical order in which they appear on the bid form.

### 1.17 APPLICABLE LAWS

- A. All applicable state laws, municipal ordinances, and the rules and regulations of all authorities having jurisdiction over the Work shall apply to the Contract throughout, and they will be deemed to be included in the Contract the same as though herein written out in full.
- B. Bidder's signatures shall be construed as acceptance of and willingness to comply with all provisions of the acts of the General Assembly of the State of Illinois relating to the Department of Human Rights Act, previously the Illinois Fair Employment Practices Act, Prevailing Wage Act for workers in our area, preference to citizens of the United States and residents of the State of Illinois,

## SECTION 00200

and discrimination and intimidation of employees. Provisions of said acts are hereby incorporated by reference and become a part of this proposal and specification.

### 1.18 EXECUTION OF THE AGREEMENT

- A. The successful Bidder, if awarded the Project, shall sign the necessary Agreements with the Owner and furnish Payment and Performance Bonds and Certificates of Insurance, if required elsewhere in this document, but no such Agreement shall be in force and effect until it is executed by all parties, and the Payment and Performance Bonds and Certificates of Insurance have been approved.
- B. Failure to execute and return the Agreement within ten (10) calendar days may result in the rescinding of the Contract award.

### 1.19 RECORDS:

- A. The Contractor shall maintain, for a minimum of 5 years after the completion of the contract, adequate books, records and supporting documents to verify the amounts, recipients, and uses of all disbursements of funds passing in conjunction with the contract; the contract and all books, records and supporting documents related to the Contract shall be available for review and audit, and the Contractor agrees to cooperate fully with any audit conducted and to provide full access to all relevant materials.

END OF SECTION

SECTION 00400

BID FORM

PROJECT

IDENTIFICATION: New Parking Lot Islands  
# 2019-008

BID TO: Board of Trustees  
C/O Bryan Gleckler  
Lake Land College District Number  
#517 5001 Lake Land Boulevard  
Mattoon, Illinois, 61938

BID FROM: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

The undersigned Bidder agrees, if this Bid is accepted, to enter into an Agreement with the Owner, in the form included in the Bidding Documents, to perform and furnish all materials, labor and equipment as specified or indicated in the Bidding Documents for the Bid Price and within the Bid Times indicated in this Bid and in accordance with the terms and conditions of the Contract Documents.

In submitting this Bid, Bidder represents that:

- A. This Bid will remain subject to acceptance for 60 days after the day of the bid opening.
- B. The Owner has the right to reject this bid.
- C. Bidder will sign and submit the Agreement with the Bonds and other documents as required by the Bidding requirements within 15 days after the Owner’s Notice of Award.
- D. Bidder has copies of all the Bidding Documents.
- E. Bidder is familiar with federal, state and local laws and regulations.
- F. Bidder has correlated the information known to Bidder with the Bidding Documents.
- G. This Bid is genuine and not made in the interest of or on the behalf of an undisclosed person, firm or corporation and is not submitted in conformity with an agreement or rules of a group, association, organization or corporation; Bidder has not directly or indirectly induced or solicited another Bidder to submit a false or sham Bid; Bidder has not solicited or induced a person, firm or corporation to refrain from bidding; and Bidder has not sought by collusion to obtain for itself an advantage over another Bidder or over the Owner.
- H. Bidder has received the following addenda receipt of which is hereby acknowledged.

Date	Number
_____	_____
_____	_____

SECTION 00400

Bidder will provide all materials, labor and equipment as specified in accordance with the Contract Documents for the following price(s):

STIPULATED-SUM BID PRICE

Base Bid Price:

Designated New Parking Lot Islands \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)  
(use words) (figures)

Alternate #1

Designated New Athletic  
Avenue Alignment \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)  
(use words) (figures)

Bidder agrees to provide all materials, labor and equipment, as specified.

SUBMITTED on \_\_\_\_\_, 2019

Company \_\_\_\_\_, (Seal)

Address \_\_\_\_\_

Signed \_\_\_\_\_

\_\_\_\_\_  
(Printed Name)

Phone \_\_\_\_\_

Fax \_\_\_\_\_

END OF SECTION

## SECTION 00600

### BONDS & CERTIFICATES

#### PART 1 GENERAL

##### 1.01 BID DEPOSIT AND CONTRACT SECURITY

- A. No bid security will be required for this project.

##### 1.02 PERFORMANCE BOND AND LABOR AND MATERIAL PAYMENT BOND

- A. Contractors shall be required to furnish, in duplicate, a Performance Bond and a Labor and Material Payment Bond in strict conformance to, and submitted on A.I.A. Document A-312 equal to the full amount of their Contract covering the faithful performance of the Contract and the payment of all obligations arising thereunder in such form as the Owner may prescribe and with such sureties as he may approve.
- B. The Contractor's Bonding Agency shall carry either a Rating of "A-VIII" on the AM Best Rating System or be able to show Comparable Financial Status and Bonding Volume. Acceptance of Bonding Agency qualification shall be approved by the Owner.
- C. NOTE: This Performance Bond, and Labor and Material Payment Bond, shall be furnished and in effect before any work is started under this Contract.
- D. The life of the Bond and guarantee shall extend twelve (12) months beyond the day on which final payment under the Contract falls due, or the date of which the Owner accepts the work as completed whichever comes first. If final acceptance is by mutual agreement, a proper date shall be determined.
- E. If before the expiration of the twelve (12) month guarantee period, a Contractor has been notified by the Owner or Director regarding any work to be completed or corrected, any unpaid bills presented to the Owner, or any other unfinished business, the expiration of the twelve (12) month period does not relieve the Contractor or his bondsmen of the proper execution of such items.
- F. The Contractor or his bondsmen shall pay any lien or court costs and attorney's fee of the Owner, and cost that any creditor may incur in the forced collection of any just claim, and interest from date of filing lien until payment is made.
- G. In the event the Contractors should default and it becomes necessary for the sureties to complete the Contract, the Owner and Director reserves the right to approve all Contractors and Subcontracts obtained by the sureties.

## SECTION 00600

- H. The General Conditions of this Contract shall govern all issued, and any provisions of the bonds in conflict with these general conditions shall be waived.

### 1.03 FAILURE TO FURNISH PERFORMANCE BOND

- A. Should the successful Bidder fail or refuse to sign a formal written Contract with the Owner, or fail or refuse to furnish a Performance Bond satisfactory to the Owner and the Director within ten (10) days after written notification of the acceptance of the proposal by the Owner, the Bidder will be considered to have abandoned the proposal. In such event the Owner shall retain all proceeds of the Bid Security (Bid Bond or Certified Check) in order to secure a "Successful Bidder". The term "Successful Bidder" shall be deemed to include any bidder whose proposal is accepted by the Owner.

### 1.04 COMPENSATION AND PUBLIC LIABILITY INSURANCE

- A. Principal Contractors shall carry sufficient insurance on their workmen to absolutely protect the Owner from any liability or damage resulting to the workmen as provided under the "Workmen's Compensation Act", and "Structural Works Act".
- B. The Principal Contractors and all Subcontractors performing services on said site shall take out and furnish to the Owner, and maintain during the life of this Agreement, complete Owner's Protective Liability Insurance in the amounts as specified herein for bodily injury, property damage, liability, or damage resulting to the Workmen as provided under the Workmen's Compensation and Structural Works Act of the State of Illinois as shall protect the Owner, Principal Contractor, and any Subcontractor performing work covered by this Agreement from claims for damages of personal injury including accidental death, as well as, from claims for property damage which may arise from operations under this Agreement, whether such operations be by the Principal Contractors or by any Subcontractors or by anyone, directly or indirectly employed by either of them, and the amounts of such insurance shall not be less than:
  - 1. Comprehensive Automobile Liability:
    - a) \$1,000,000 Bodily Injury per person.
    - b) \$1,000,000 Bodily Injury per occurrence.
    - c) \$ 500,000 Property Damage per occurrence.
    - d) \$1,000,000 Combined Single Limit coverage for bodily injury and property damage per occurrence in the same aggregate limit will be accepted in lieu of the separate limits specified above.

## SECTION 00600

2. Workman's Compensation: Statutory Limits
    - a) Employer's Liability: \$500,000 Bodily Injury per person.
    - b) The Contractor may use a Self-Insured plan for Workman's Compensation Insurance if the plan is approved by the State of Illinois. For approval, the Contractor shall obtain a Certificate from the Illinois Industrial Commission, Office of Self-Insurance Administration, Springfield office.
  3. Comprehensive general Liability:
    - a) \$1,000,000 Bodily Injury per person.
    - b) \$2,000,000 Product and Completed Operations Aggregate
    - c) \$1,000,000 Bodily Injury aggregate limit.
    - d) \$1,000,000 Property Damage per occurrence.
    - e) \$2,000,000 Property Damage aggregate limit.
    - f) \$1,000,000 Combined Single Limit coverage for bodily injury and property damage per occurrence in the same aggregate limit will be accepted in lieu of the separate limits specified above.
  4. Umbrella
    - a) \$1,000,000 Umbrella
- B. The above Comprehensive General Liability Insurance shall be specifically endorsed to cover the terms of Liability Insurance for the Owner as set forth hereinafter.
- C. The Contractor shall cause Certificates of Insurance to be deposited with the Owner.

### 1.02 LIABILITY INSURANCE FOR OWNER

- A. The Contractor shall purchase and maintain public liability insurance naming the Owner and his agents and employees as insured with respect to any claim that may be made against the Owner or his agents and employees arising out of or resulting from the performance of the Work, provided that any such claim, damage, loss or expense shall be covered by such insurance only if (a) it is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself) including the loss of use resulting therefrom, and (b) is caused in whole or in part by any negligent act or omission of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable regardless of whether or not the claimant contends that the Owner or his agents or employees are in part negligent or otherwise legally culpable with regard to the loss.

## SECTION 00600

- B. Such insurance shall provide a defense for the Owner and his agents and employers, including the cost of defense counsel and other expenses of litigation.
- C. Principal Contractors shall carry the insurance of their Subcontractors or shall require their Subcontractors to carry their own insurance in the amounts stated above.
- D. This insurance shall cover all Agreements and any extra work connected with the construction of this Project.
- E. Contractors shall instruct their Insurance Companies to supply the Owner with Certificates of Insurance showing that such insurance is kept in force until completion of the Agreement. These Certificates of Insurance shall be provided before Contractors start any work under this Agreement.

### 1.03 BUILDERS RISK INSURANCE (Owner)

- A. Immediately after the signing of construction contracts or at such time as construction materials become situated upon the construction site or sites, the Owner will effect and maintain upon the entire structure on which work of this Contract is to be done, and upon all materials, on or adjacent thereto, intended for use thereon, to 100 percent of the insurable value thereof, an All- Risk Coverage Insurance Policy.
- B. This insurance will not cover Contractor's equipment, tools, or storage sheds and temporary buildings.
- C. Any loss is to be made adjustable with and payable to, the Owner, Contractors, Subcontractors, and Material Dealers as their interests may appear at the time of loss.
- D. The Owner, Contractor, and all Subcontractors waive all rights of action, each against the others, for damages caused by fire or other perils covered by insurance provided for under the terms of this Contract, except such rights as they may have to the proceeds of insurance held by the Owner as trustee.

END OF SECTION



## SECTION 00800

### SUPPLEMENTARY CONDITIONS

#### PART 1 GENERAL

##### 1.1 DEFINITIONS

- A. Where the term "Owner" is used throughout these specifications same shall mean the Lake Land College Board of Trustees or the Lake Land College Vice President for Business Services as their agent.
- B. Where the term "Director" is used, it shall refer to the Lake Land College Director of Physical Plant.
- C. Where the term "Contractor", "Prime Contractor", or "Principal Contractor" is used, it refers to anyone having a Principal Contract with the Owner.
- D. Where the term "Subcontractor" is used, it refers to anyone having a Contract for labor or material with any of the Principal or Prime Contractor on the job.

##### 1.2 THEFT, ETC.

- A. The Contractors shall be responsible for any damage or loss resulting to the work, materials, or tools due to theft, or in any manner not covered by the insurance called for elsewhere in these Specifications. Payments on account of Contract do not relieve Contractors of this obligation. Contractors may carry Theft Insurance at their own option.

##### 1.3 SOCIAL SECURITY, UNEMPLOYMENT INSURANCE

- A. The Contractors shall keep records and pay, all social security, withholding tax, unemployment insurance, and other taxes imposed by the various governmental authorities and laws.

##### 1.4 MATERIAL AND WORKMANSHIP

- A. The owner or his agent shall have full power to reject any material or workmanship which, in their opinion, do not conform with these specifications or drawings, and cause same to be immediately removed and reconstructed without additional cost to the Owner.

##### 1.5 PERMITS

- A. The Owner will obtain and pay for all permits required by Local Law, except as indicated otherwise in these specifications.

## SECTION 00800

### 1.6 CLEANING OF GROUNDS

- A. At the completion of the project and before final acceptance by the Owner, the area shall be cleared of all rubbish, materials, and debris which accumulate during the process of work under this Contract. See section 01110 – Summary of Work, of these Specifications.

### 1.7 SUBCONTRACTORS

- A. The Principal Contractors shall be responsible for any and all Subcontractors working under them, and shall carry insurance for them or see that they are carrying it themselves so as to relieve the Owner of any and all liability.
- B. Nothing contained in the Contract Documents shall create any contractual relation between any Subcontractor and the Owner.
- C. The Owner assumes no responsibility for the overlapping or omission of parts of the work by various Subcontractors in their Contracts with the Principal Contractors.

### 1.8 PATCHING

- A. The expense of any undue alterations, cutting, patching, or repairing of damage due to carelessness or neglect caused by any trade shall be borne by the Contractor for that trade. The work shall be done by the workmen of the Contractor whose work was damaged so that such patching will be least conspicuous.

### 1.9 OTHER WORK NOT IN CONTRACT

- A. The Owner reserves the right to let separate Contracts for other work in connection with this project, but agrees that such work shall not interfere with the work of the Contracts previously made.

### 1.10 EXTRAS AND CHANGES

- A. Should any extra work or changes be required during the work, the Owner and Contractor shall agree upon the price for such extra work or changes and the Owner shall issue a change order to the Contractor for such work as agreed upon. Payment shall be made under same conditions as for original Contract.
- B. No payment shall be made for extra work or materials unless a formal written change order is issued by the Owner.

## SECTION 00800

### 1.11 CORRECTION OF WORK AFTER FINAL PAYMENT

- A. Neither the final Certificate, nor payment, nor any provision in the Contract Documents shall relieve the Contractor of responsibility for faulty materials or workmanship discovered to be not as specified or shown on the Drawings.
- B. The Contractor shall remedy any defects due thereto, and pay for, any damages to other work resulting therefrom, which shall appear within a period of one year from the date of acceptance.
- C. The Owner shall give notice of observed defects with reasonable promptness. The Owner shall judge the defects as to maintenance, workmanship, or material defects.
- D. All questions arising under this article shall be decided by the Owner subject to arbitration.

### 1.12 LOCAL LABOR

- A. It is the desire of the Owner that the Contractors make use of all local labor, material, insurance, etc., if possible, as long as it does not work a hardship on the Contractors.

### 1.13 PRECEDENCE OF DOCUMENTS

- A. The Contract Documents shall be given precedence in the following order, provided they are in existence at the time of the closing of the Contracts:
  - A. Agreement
  - B. General Conditions of the Contract
  - C. Any Valid Building Code
  - D. Specifications
  - E. Full Sized Detail Drawings
  - F. Large Scale Drawings
  - G. General Drawings

### 1.14 PROTECTION OF GENERAL PUBLIC

- A. All Contractors shall provide protection of the general public at all times, providing protection devices as prescribed by laws having jurisdiction.

## SECTION 00800

- B. The Contractor will, at all times, take all reasonable precautions for the safety of employees on the project, and of the public and all other persons who may be affected, and will comply with all applicable provisions of Federal, State, and Municipal Safety Laws and Building and Construction Codes.

### 1.15 GUARANTEE & WARRANTIES

- A. All Prime Contractors shall guarantee their work and the work of their Subcontractors for a period of one year from the date of acceptance of their work, unless stipulated for a longer period of time under specific sections of the specifications.
- B. All items requiring a warranty certificate from the manufacturer shall be executed and the certificate delivered to the Owner before final payment can be approved.

### 1.16 SUPERINTENDENT

- A. The General Contractor shall keep a capable superintendent on the job site at all times when major work is in progress. This Superintendent shall lay out all work required under the Contract and also assist other Contractors in laying out and planning their work.
- B. The Contractors, or his Superintendent, shall also notify other Contractors when it will be necessary to install certain work and take complete responsibility for co-ordination of construction.

### 1.17 REQUIREMENTS

- A. All Contractors shall comply with all laws, rules and regulations governing the work under this Contract.
- B. Should the Contractor observe anything in the contract documents that is contrary to any code requirement, he shall notify the Owner immediately in writing. The Owner shall issue all changes required to correct the variance, and be responsible for code interpretations.

### 1.18 OCCUPATIONAL SAFETY AND HEALTH

- A. It shall be each Contractor's responsibility to comply with all local, state and federal laws and regulations governing job safety and health standards, and the requirements of the "Occupational Safety and Health Act of 1970" enacted by Congress and signed into law on December 29, 1970 and all applicable changes, revisions, and amendments.

## SECTION 00800

### 1.19 FAIR EMPLOYMENT PRACTICES

- A. All Contractors agree that, in accordance with an Act to prohibit discrimination and intimidation on account of race or color in employment and Contracts for public buildings or public works, approved July 8, 1933, as amended, no person will be refused or denied employment in any capacity on the grounds of race or color, nor be discriminated against in any manner by reason thereof in connection with the performance of the work set forth in the attached drawings and specifications; nor will any unfair employment practice, as defined in the Fair Employment Practices Act, approved July 21, 1961 and all applicable changes, revisions, and amendments, be committed by the said Contractor.

### 1.20 PREVAILING WAGE POLICY

- A. The Owner has, by resolution, established a general prevailing rate of hourly wage in said District.
- B. All Contractors and Subcontractors shall comply with the following and any later amendments thereto:
- C. "Illinois Statutes, as amended by Act approved August 8, 1961, (SB No. 250) (Rev. State Chap. 48, Sec. 39S-1 et.seq.) declared to be the policy of the State of Illinois that a wage of no less than the general prevailing hourly rate as paid for work of a similar character in the locality in which the work is performed, shall be paid to all laborers, workmen and mechanics employed by or on behalf of any and all public bodies engaged in public works, exclusive of maintenance work."
- D. Contractors shall have the responsibility of complying with all aspects of the Prevailing Wage Policy.

### 1.21 BUSINESS ENTERPRISE FOR MINORITIES, FEMALES, AND PERSONS WITH DISABILITIES ACT

- A. On August 25, 2015, Governor Rauner signed into law the Business Enterprise for Minorities, Females, and Persons with Disabilities Act (30 ILCS 575), effective immediately. The Act stipulates certain requirements regarding the use of businesses owned by minorities, females and persons with disabilities for the procurement of goods and services by State agencies, universities, and community colleges.

## SECTION 00800

- B. The College recognizes the importance of increasing the participation of businesses owned by minorities, females and persons with disabilities in public contracts in an effort to overcome the discrimination and victimization such firms have historically encountered. It is the College's policy to promote the economic development of businesses owned by minorities, females and persons with disabilities by setting aspirational goals to award contracts to businesses owned by minorities, females, and persons with disabilities for certain services as provided by the Business Enterprise for Minorities, Females and Persons with Disabilities Act, 30 ILCS 575/0.01 et seq. (the "Act") and the Business Enterprise Council for Minorities, Females, and Persons with Disabilities (the "Council").
- C. Certified Business Enterprise Contractors
  - 1. In determining whether a business is owned by a minority, female, or person with disabilities, the College shall require the business to provide proof of certification by the Business Enterprise Council, an entity delegated the authority to make certifications by the Business Enterprise Council, or by a state agency with statutory authority to make such a certification, that the business entity is owned by a minority, female, or person with a disability, or by submitting an ownership affidavit provided by the College.
- D. Subcontractors and Suppliers
  - 1. The College's aspirational goals are based on the total dollar amounts awarded to businesses owned by minorities, females, and persons with disabilities. All funds awarded to any certified subcontractors and/or suppliers shall be included for the College's aspirational goals, so long as the expenditures are direct, necessary, and proximately related to the work or service of the contract.
- E. Evaluation of Contracts to Facilitate Aspirational Goals
  - 1. These procedures shall not eliminate, alter, reduce, alleviate or modify in any way the College's procedures for purchasing. However, in addition to the College's purchasing procedures, the College shall evaluate all contracts, except those subject to federal reimbursement, to determine whether the bidder or contracting party assists the College in meeting its aspirational goals as set forth above, and increase the participation of businesses owned by minorities, females, and persons with disabilities in contracts with the College.
- F. Bidding Requirements.
  - 1. Bid Documents
    - a. When the College procedures and/or state law require the College to competitively bid a contract, the College shall state in its bid documents the College's aspirational goal for the contract. The College's bid documents shall also require each bid submitted for a contract to include: (i) the bidder's name, (ii) the bid amount, and (iii) a business enterprise program utilization plan indicating the percentage of disadvantaged businesses that will be awarded by the bid.

## SECTION 00800

2. Lowest, Responsive and Responsible Bidder
  - a. As required by state law and the College's purchasing procedures, the College shall award contracts subject to state public bidding requirements to the lowest, responsive and responsible bidder. A bidder's failure to complete a utilization plan or submit necessary certifications shall be an issue of "responsiveness" which may make the bidder ineligible to receive the contract. In awarding contracts, the College shall also consider that the definition of "lowest responsible bidder" is broader than "lowest bidder" or "financially responsible", and that in proper circumstances, certain public interests can be considered as "responsible" in the College's discretion as allowed by applicable state laws, rules or regulations.
3. Opportunity to Cure
  - a. In the event that a bidder offers the lowest, responsive and responsible bid but fails to meet the contract's aspirational goals, the College shall notify the bidder of this deficiency and give the bidder no more than ten (10) days to cure that deficiency. The College may provide the bidder with sufficient information necessary to obtain the Business Enterprise Council's list of certified businesses owned by minorities, females and persons with disabilities. The bidder may only cure this deficiency by subcontracting with businesses that are certified as provided in these procedures.
4. Good Faith Effort Procedures
  - a. If the bidder cannot meet the contract's aspirational goal, the bidder must document in the utilization plan its good faith efforts that could reasonably have been expected to meet the goal. The College shall consider the quality, quantity, and intensity of the bidder's efforts, and may evaluate the bidder's:
    - i) Solicitation through all reasonable and available means of certified subcontractors, suppliers, and/or vendors that have the capability to perform the work required by the contract. The bidder must solicit this interest to give certified businesses sufficient time to respond to the solicitation, must provide adequate information about the plans, specifications, and contract requirements in a timely manner, and must take appropriate steps to follow up initial solicitations.
    - ii) Use of resources from the College, the Business Enterprise Council, and any other business or community groups that provide assistance in the recruitment and placement of certified businesses.
    - iii) Selection of portions of the contract work to be performed by certified vendors to increase the likelihood that the goal will be achieved. This includes, where appropriate, breaking out contract work items or services into economically feasible units to facilitate participation by certified businesses, even when the bidder might otherwise prefer to perform the work or services with its own employees.
    - iv) Negotiation in good faith with interested certified businesses. In order to show good faith efforts, the bidder's utilization plan shall include the names, addresses, and telephone numbers of certified businesses that were considered, and an explanation for why an agreement could not be reached.

## SECTION 00800

- v) Thorough investigation of the capabilities of certified businesses and not rejecting them as unqualified without sound reasons.
  - vi) Efforts to assist interested certified businesses in obtaining contract required lines of credit, insurance, equipment, supplies, materials, or other related assistance or services.
5. Award of Contract
- a. If the College determines that the bidder is the lowest, responsive and responsible bidder and has either met the contract's aspirational goals or has made a good faith effort to meet the goal, the College may award the contract to the bidder. The College shall have the right to reject all bids and re-bid the contract in its sole discretion.
6. Incorporation into Contract
- a. The successful bidder's utilization plan shall become part of the awarded contract and shall not be modified or amended without the College's written consent.

END OF SECTION



## SECTION 01110

### SUMMARY OF WORK

#### PART 1 GENERAL

##### 1.1 SCOPE

- A. All Contractors are required to comply with the following basic requirements.

##### 1.2 LOCATION

- A. This project is located on the campus of Lake Land College, 5001 Lake Land Boulevard, Mattoon, Illinois.

##### 1.3 COMMENCEMENT AND COMPLETION DATE

- A. All work on this project is subject to the College's schedule and circulation needs, which are as follows:
  1. Coordinate Work schedule with the College. This project and bid will be taken to the Board of Trustees meeting on May 13, 2019 for approval. Coordination of the work schedule can begin after Board approval is granted with completion no later than June 30, 2019.
  2. Two days' notice is required for schedule changes.
  3. No more than one of the College's three entrances shall be out of service at any time.
  4. All Friday's are available for roadway work through date.
  5. Saturdays and Sundays are available with prior approval from the College.
  6. Any alternate dates MUST be coordinated with the College.
  7. PROVIDE PROPOSED SCHEDULE WITH BID.

##### 1.4 COORDINATION WITH OWNER

- A. The campus will be occupied by the Owner and the general public during all phases of construction. It shall be the Contractors responsibility to coordinate the work with the Owner to maintain access to roadways, parking and buildings during normal hours of operation, and to minimize conflict with the College's schedule.
- B. Sequence of work shall be coordinated with the College be scheduled to minimize inconveniences for the College students and staff.

## SECTION 01110

- C. A copy of the College calendar is available upon request.
- D. The Contractor shall notify the Owner three (3) working days prior to commencing work on site.

### 1.5 CONTRACTOR'S RESPONSIBILITIES

- A. The General Contractor on this project regardless of whether he has a Contract for the General Construction or complete Construction Work shall have the responsibility of coordinating and directing the work. This shall include the scheduling and/or co-ordination of all other Prime Contractors having a contract with the Owner and shall include assistance to these Contractors in the layout of their work when it must be coordinated with work the General Contractor is performing. The General Contractor shall include the cost of performing this co-ordination in his Bid.
- B. The remaining Prime Contractors and Subcontractors on the project will be charged with scheduling their own work so that it can be coordinated with the General Contractors schedule. They shall give the General Contractor their full co-operation.

### 1.6 UTILITY SERVICE DISRUPTION

- A. This project will not require interruption of utility service.

### 1.7 BUILDING PROTECTION

- A. The Contractor shall be responsible for protecting the existing buildings and contents from damage from any cause as a result of work to be performed under this Contract. Any damaged to buildings or contents shall be repaired or replaced to equal the original condition of the damaged area or contents.
- B. All damaged buildings or contents shall be repaired or replaced at the Contractor's expense and to the satisfaction of the Owner.

### 1.8 SITE PROTECTION

- A. The Contractor shall be responsible for protecting the adjacent site from damage from any cause as a result of work to be performed under this Contract. Any damaged areas, including yard areas and plants, walks, steps, paved areas, irrigation system, etc., shall be repaired or replaced to equal the original condition of the damaged areas.
- B. All damaged areas shall be repaired at the Contractor's expense and to the satisfaction of the Owner.

## SECTION 01110

- C. The Contractor shall be aware that a ten ton load limit shall be imposed on all haul trucks hauling materials to the project or away from the project. This ten ton load limit shall be imposed on the load itself. Furthermore, any failures that are observed in the existing pavement structure that are caused by a piece of construction equipment may subject that piece of equipment to elimination from this project. The Contractor shall be responsible for all damage caused by failure to heed this restriction.

### 1.9 MATERIAL STORAGE

- A. The Owner will allocate certain areas of the site for the purpose of storing materials and equipment and locating Contractor's temporary office. The Contractor shall contact the Owner before any materials are situated in the building or on the site and determine a general plan for storing materials.
- B. Materials are shall be placed on the site in a neat and orderly manner.

### 1.10 CLEANING OF GROUNDS

- A. The site shall be maintained free of unnecessary debris and clutter during all phases of construction.
- B. At the completion of the project and before final acceptance by the Owner, the site shall be cleared of all rubbish, materials, and debris which accumulated during the process of construction.

END OF SECTION

## SECTION 01290

### PAYMENT PROCEDURES

#### PART 1 GENERAL

##### 1.1 PAYMENTS

- A. The Owner will make payment on account of the Contract as follows:
1. Upon completion of all work as directed in these specifications the Contractor shall request payment in full.
  2. Payment will be made provided Director certifies that the work meets all requirements of these specifications. Successful bidder must provide a W-9 for processing of payment.
  3. The Contractor shall provide an invoice for the work which will satisfy the following:
    - 1) Itemize separate line item cost for each major division of work, using specifications Table of Contents as basis for format for listing cost of work.
    - 2) List all major subcontracts and subcontractors.
    - 3) All forms must be typed and all sections of the forms completed.
    - 4) All forms must have ORIGINAL SIGNATURE and be NOTARIZED.

##### 1.2 PAYMENTS WITHHELD

- A. The Owner may withhold, or on account of subsequently discovered evidence, nullify the whole or part of any payment to such an extent as may be necessary to protect the Owner from loss on account of:
1. Defective work not remedied.
  2. Claims filed or reasonable evidence indicating probable filing of claims.
  3. Failure of the Contractor to make payment properly to Subcontractors for materials and/or labor.
  4. A reasonable doubt that the Contract can be completed for the balance then unpaid.
  5. Damage to another Contractor.

## SECTION 01290

- B. When the above conditions are remedied payment will be made for the amounts withheld.
- C. Should the Contractor fail to perform any work according to the drawings and specifications, or should he refuse to correct any work not done according to the drawings and specifications, the Owner may, after having given the Contractor ten days written notice, construct such work or make repairs necessary to meet the requirements of the Contract. The cost of such work shall be deducted from the final payment due the Contractor.

### LIEN WAIVERS

- A. Before final payment, the Contractor shall submit Lien Waivers marked "FINAL" from all Subcontractors and Material Suppliers covering all labor and materials furnished on the job. All Lien Waivers shall have ORIGINAL SIGNATURES and be NOTARIZED.
- B. If any Lien or unpaid bills should be presented to the Owner after full payment has been made to a Contractor, the Contractor or his bondsmen shall refund to the Owner all the money the latter may be compelled to pay in discharging such obligations, including all court costs and reasonable attorney's fees.
- C. During the course of construction should there be any doubt regarding whether or not the Contractor has been paying his bills or subcontractors promptly, Waivers of Lien - Partial may be requested and shall be submitted.

END OF SECTION

## SECTION 01500

### TEMPORARY FACILITIES AND CONTROLS

#### PART 1 GENERAL

##### 1.1 TEMPORARY ELECTRICAL ENERGY

- A. Temporary electrical energy is not required for this work.

##### 1.2 WATER FOR CONSTRUCTION WORK

- A. Water for construction purposes is available at the site, and shall be paid for by the Owner. Contractors shall arrange for their own distribution. Temporary distribution apparatus shall not be allowed to interfere with normal functions of the Owner.

##### 1.3 TEMPORARY SANITARY FACILITIES

- A. Toilet facilities in the existing buildings may be used by Contractor's personnel during performance of the work. Coordinate the use of existing toilet facilities with the building officials.
- B. Maintain toilet facilities used by Contractor's personnel in a clean and sanitary condition.

END OF SECTION

## SECTION 02225

### SITework DEMOLITION AND REMOVAL

#### PART 1 – GENERAL

##### 1.01 WORK INCLUDES:

- A. The work to be done under this section includes the furnishing of all labor, materials, equipment and services necessary for and reasonably incidental to the proper execution and completion of the New Parking Lot Islands in accordance with the drawings and as herein specified.
- B. Base Bid – New islands in parking lots A and F and alignment adjustment of Podesta Drive.
  - 1. Clear plant life and grass in designated areas
  - 2. Strip and stockpile topsoil
  - 3. Tree and other vegetation removals
  - 4. Concrete sidewalk, curb and gutter, and island removals
  - 5. Pavement removal
  - 6. Pavement marking removal
- C. Alternate – Construct Athletic Avenue on new alignment
  - 1. Clear plant life and grass in designated areas
  - 2. Strip and stockpile topsoil
  - 3. Tree and other vegetation removals
  - 4. Pavement removal

##### 1.02 REFERENCES

- A. IDOT Standard Specifications for Road and Bridge Construction (IDOT Standard Specifications), edition in effect at the time of the bid.
  - 1. Delete all reference to method of measurement and basis of pavement.

##### 1.03 EXECUTION

###### A. PREPARATION

- 1. Protect and maintain benchmarks and survey control points from disturbance during construction.
- 2. Any pavement, sidewalk, or curb and gutter to be removed shall be saw cut. A full depth, perpendicular, straight joint shall be sawn at the ends and all edges of portions to be removed.

## SECTION 02225

3. Protect all existing site features to remain from damage during construction. If damage occurs to any existing site features scheduled to remain, the Contractor shall immediately contact the Owner's Representative. Restore damaged features to their original condition, as acceptable to the Owner's Representative, and at no additional cost.
4. Carefully remove all items indicated to be salvaged on the plan drawings and store within construction staging area.
5. Remove all vegetation within construction limits in accordance with IDOT Standard Specifications, Section 202.
6. Dispose of all cleared vegetative material at off-site locations provided by the Contractor.
7. Remove all pavement markings in conflict with the new flow of traffic. Remove pavement markings in accordance with IDOT Standard Specifications, Section 783.

### B. STRIP AND STOCKPILE TOPSOIL

1. Excavate topsoil to an average depth of four inches from within the limits of the new paved surfaces.
2. Retain all topsoil for later use. Stockpile topsoil on-site at locations which will not conflict with the work and that have been approved by owner or stockpile off-site at locations provided by Contractor.

### C. UTILITIES

1. Contractor shall contact JULIE (1-800-892-0123); the Illinois One-Call System, to locate all public utilities in the vicinity of the project area prior to starting any construction operations.
2. Do not interrupt existing utilities serving facilities occupied by adjacent property Owners. If services must be temporarily disconnected, Contractor shall obtain a letter of written permission from the utility owner to interrupt service prior to starting any utility work, and Contractor shall submit letter to the Owner's Representative.



## SECTION 02225

3. Identify, locate, disconnect and cap off utilities indicated to be removed and/or abandoned.
4. Remove all existing above and below grade utilities as indicated on the plan drawings and as necessary to facilitate new construction.

### D. DISPOSAL

1. Remove surplus soil materials, unsuitable topsoil, obstructions, demolished materials, and waste materials, including trash and debris, and legally dispose of them off the Owner's property.

END OF SECTION

## SECTION 02311

### SITE GRADING

#### PART 1 – GENERAL

##### 1.01 WORK INCLUDES:

- A. Base Bid – New islands in parking lots A and F and alignment adjustment of Podesta Drive.
  - 1. Construction of embankments.
  - 2. Preparing the completed or existing earthwork as an unimproved subgrade prior to constructing the pavement structure or appurtenances.
  - 3. Employ an independent testing agency to perform specified tests.
- B. Alternate – Construct Athletic Avenue on new alignment.
  - 1. Construction of embankments.
  - 2. Preparing the completed or existing earthwork as an unimproved subgrade prior to constructing the pavement structure or appurtenances.
  - 3. Employ an independent testing agency to perform specified tests.

##### 1.02 REFERENCES

- A. IDOT Standard Specifications for Road and Bridge Construction (IDOT Standard Specifications), edition in effect at the time of the bid.
  - 1. Delete all reference to method of measurement and basis of pavement.

##### 1.03 SUBMITTALS

- A. Provide copies of all test results to Owner and Engineer. Notify Owner and Engineer immediately of any failing results.

##### 1.04 PROJECT CONDITIONS

- A. Traffic: Conduct operations to ensure minimum interference with roads, streets, walks, and other adjacent occupied or used facilities. Do not close or obstruct streets, walks or other occupied or used facilities without permission from authorities having jurisdiction.

## SECTION 02311

### B. Protection of Existing Improvements:

1. Provide barricades, coverings, or other types of protection necessary to prevent damage to existing improvements to remain in place.
2. Restore damaged improvements to their original condition, as acceptable to the Engineer and/or authorities having jurisdiction.

### C. Protection of Existing Vegetation:

1. Protect existing vegetation to remain in place against unnecessary cutting, breaking or skinning of roots, skinning and bruising of bark, smothering by stockpiling construction materials or excavated materials within drip line, excess foot or vehicular traffic, or parking of vehicles within drip line. Provide temporary fences, barricades or guards as required to protect vegetation to be left standing.
2. Water as required to maintain health during the course of construction operations.
3. Protect root systems from damage due to noxious materials in solution caused by runoff or spillage during mixing and placement of construction materials, or drainage from stored materials. Protect root systems from flooding, erosion or excessive wetting resulting from dewatering operations.
4. Do not allow fires under or adjacent to plantings which are to remain.
5. Provide protection for roots over 1½" diameter that are cut during construction operations. Coat the cut faces with an emulsified asphalt or other acceptable coating especially formulated for horticultural use on cut or damaged plant tissues. Temporarily cover all exposed roots with wet burlap to prevent roots from drying out; provide earth cover as soon as possible.
6. Repair or replace vegetation damaged by construction operations, in a manner acceptable to the Architect.
7. Repair tree damage by a qualified tree surgeon. Replace trees, which cannot be repaired and restored to full growth status, as determined by the tree surgeon at no cost.

### D. Improvements on Public Property: Obtain authority for performing removal and alteration Work on public property.

## SECTION 02311

### E. Existing Utilities:

1. Locate existing underground utilities in the areas of Work before starting earthwork operations. If utilities are to remain in place, provide adequate means of protection during earthwork operations.
2. Contact Illinois1Call (J.U.L.I.E. 800-892-0123) to verify locations of existing underground utilities before starting excavation.
3. Should uncharted or incorrectly charted piping or other utilities be encountered during excavation, consult the Engineer immediately for directions as to procedure.
4. Coordinate with the Using Agency and public and private utility companies in keeping their respective services and facilities in operation.
5. Demolish and completely remove from the site underground utilities indicated to be removed. Coordinate with local utility companies for shutoff of services if lines are active.

F. Use of Explosives: The use of explosives shall not be permitted.

G. Protect existing improvements on and off the site from damages caused by settlement, lateral movement, undermining, washout, and other hazards created by earthwork operations.

### 1.05 TESTING

- A. Contractor shall provide testing of subgrades and compacted fill materials through an independent testing agency.
- B. Subgrade shall have a minimum dry density of 95 percent of the standard laboratory dry density and a minimum immediate bearing value (IBV) of 3. All embankment lifts shall be compacted to not less than 95 percent of the standard laboratory density.
1. The standard laboratory density shall be the maximum dry density determined according to AASHTO T 99 (Method C).
  2. The IBV will be determined according to Illinois Test Procedure 501 or 502.

### 1.06 PRODUCTS

- A. All fill materials shall comply with Illinois Standard Specifications.

## SECTION 02311

- B. General Fill: Provide soil materials conforming to ASTM D2487 soil groups GW, GR, GM, SW, SP, CL or SM or a combination that are free of debris, waste, frozen materials, vegetable, organic and other deleterious matter and having maximum particle size of 2" in all dimensions. In addition to ASTM requirements, general fill shall not exceed the Appendix B, Section 742, Table A; Tiered Approach to Corrective Action Objectives (TACO); 35 ILL ADM Code 742 values for 35 ILL. ADM Code 740 Appendix A Target Compound List (TCL) parameters.
- C. Select/Engineered Fill: Clean natural or crushed stone or gravel conforming to State of Illinois, Department of Transportation Standard Specification for Road and Bridge Construction. In addition, select/engineered fill shall not exceed Appendix B; Section 742, Table A; Tiered Approach to Corrective Action Objectives (TACO); 35 ILL ADM Code 742 values for 35 ILL. ADM Code 740 Appendix A Target Compound List (TCL) parameters.
- D. Drainage fill: Free draining natural or crushed stone or gravel conforming to State of Illinois Department of Transportation Standard Specification for Road and Bridge Construction. Drainage fill shall have a minimum permeability rate of 8 inches per hour and shall be free of organic content. In addition, select/engineered fill shall not exceed Appendix B; Section 742, Table A; Tiered Approach to Corrective Action Objectives (TACO); 35 ILL ADM Code 742 values for 35 ILL. ADM Code 740 Appendix A Target Compound List (TCL) parameters.
- E. Trench backfill: Refer to section details. Backfill material shall conform to State of Illinois, Department of Transportation Standard Specification for Road and Bridge Construction. In addition, select/engineered fill shall not exceed Appendix B; Section 742, Table A; Tiered Approach to Corrective Action Objectives (TACO); 35 ILL ADM Code 742 values for 35 ILL. ADM Code 740 Appendix A Target Compound List (TCL) parameters.

### 1.07 EXECUTION

- A. All work shall be performed according to Illinois Standard Specifications sections 202, 204, 205, 300, and all additional sections referenced therein.
- B. Vehicles shall be kept in good repair so that no excessive noise or emissions are created.
- C. Contractor shall take all necessary precautions to protect existing paving, buildings, structures, etc., from damage. Care shall be exercised to prevent staining or splattering surrounding surfaces with repair materials.

END OF SECTION

## SECTION 02630

### STORM SEWERS

#### PART 1 – GENERAL

##### 1.01 WORK INCLUDES:

- A. Alternate – Construct Athletic Avenue on new alignment.
  - 1. Construction of storm sewers, inlets, and adjusting inlets.

##### 1.02 REFERENCES

- A. IDOT Standard Specifications for Road and Bridge Construction (IDOT Standard Specifications), edition in effect at the time of the bid.
  - 1. Delete all reference to method of measurement and basis of pavement.

##### 1.03 SUBMITTALS

- A. Provide copies of all product data and field test results to Owner and Engineer. Notify Owner and Engineer immediately of any failing results.

##### 1.04 PRODUCTS

- A. Pipe shall be in accordance with Section 1040 of the IDOT Standard Specifications.
- B. Inlets shall be in accordance with Section 1042 of the IDOT Standard Specifications.
- C. Frames and grates shall be in accordance with Section 1006 of the IDOT Standard Specifications.

##### 1.05 TESTING

- A. Testing shall be done by the contractor in accordance with Section 550.08 of the IDOT Standard Specifications.

##### 1.06 EXECUTION

- A. All work shall be performed according to Illinois Standard Specifications sections 550, 602, 603, and all additional sections referenced therein.

END OF SECTION

## SECTION 02723

### GRANULAR SUB-BASE

#### PART 1 - GENERAL

##### 1.01 WORK INCLUDES:

- A. Base Bid – New islands in parking lots A and F and alignment adjustment of Podesta Drive.
  - 1. This work includes furnishing, placing, and compacting granular material on the prepared subgrade.
- B. Alternate – Construct Athletic Avenue on new alignment.
  - 1. This work includes furnishing, placing, and compacting granular material on the prepared subgrade.

##### 1.02 REFERENCES

- A. IDOT Standard Specifications for Road and Bridge Construction (IDOT Standard Specifications), edition in effect at the time of the bid.
  - 1. Delete all reference to method of measurement and basis of pavement.

##### 1.03 SUBMITTALS

- A. Provide copies of all test results to Owner and Engineer. Notify Owner and Engineer immediately of any failing results.
- B. Material Certifications.

##### 1.04 PRODUCTS

- A. Material shall be from an IDOT approved/qualified producer of aggregate.
- B. Material shall be in accordance with Section 1004.04 of the IDOT Standard Specifications.

## SECTION 02723

### 1.05 TESTING

- A. Contractor shall provide testing of granular sub-base materials through an independent testing agency.
- B. The granular material shall be compacted to not less than 95 percent of the standard laboratory dry density.
  - 1. The standard laboratory density shall be the maximum dry density determined according to AASHTO T 99 (Method C).

### 1.06 EXECUTION

- A. All work shall be performed according to Illinois Standard Specifications section 311, and all additional sections referenced therein.
- B. Vehicles shall be kept in good repair so that no excessive noise or emissions are created.
- C. Contractor shall take all necessary precautions to protect existing paving, buildings, structures, etc., from damage. Care shall be exercised to prevent staining or splattering surrounding surfaces with repair materials.

END OF SECTION



## SECTION 02741

### HOT MIX ASPHALT CONCRETE PAVING

#### PART 1 – GENERAL

##### 1.01 WORK INCLUDES:

A. Base Bid – New islands in parking lots A and F and alignment adjustment of Podesta Drive.

1. This work includes constructing hot mix asphalt (HMA) binder and/or surface course on a prepared base.

B. Alternate – Construct Athletic Avenue on new alignment.

1. This work includes constructing hot mix asphalt (HMA) binder and/or surface course on a prepared base.

##### 1.02 REFERENCES

A. IDOT Standard Specifications for Road and Bridge Construction (IDOT Standard Specifications), edition in effect at the time of the bid.

1. Delete all reference to method of measurement and basis of pavement.

##### 1.03 SUBMITTALS

A. Provide copies of all test results to Owner and Engineer. Notify Owner and Engineer immediately of any failing results.

B. Material Certifications and product data.

C. Design Mixes.

##### 1.04 PRODUCTS

A. Hot Mix Asphalt

1. Material shall be from an IDOT approved/qualified plant.

2. Material shall be in accordance with Section 1030 and 1032 of the IDOT Standard Specifications.

## SECTION 02741

### B. Portland Cement Concrete

1. Material shall be from an IDOT approved/qualified plant.
2. Material shall be in accordance with Section 1020 of the IDOT Standard Specifications.

### 1.05 TESTING

- A. Contractor shall provide testing of material through an independent testing agency.
1. Compaction shall be according to IDOT Standard Specifications.
- B. Test results shall be reported in writing to Owner/Engineer, material manufacturer, and Coordinating Contractor within 24 hours of testing. Reports of tests shall contain Project identification name and number, date of placement, name of testing agency, material type, and location of test.

### 1.06 EXECUTION

- A. All work shall be performed according to Illinois Standard Specifications section 406, and all additional sections referenced therein.
- B. Vehicles shall be kept in good repair so that no excessive noise or emissions are created.
- C. Contractor shall take all necessary precautions to protect existing paving, buildings, structures, etc., from damage. Care shall be exercised to prevent staining or splattering surrounding surfaces with repair materials.
- D. The contractor shall lay out the new work.
1. The contractor shall provide control stakes before the actual construction begins.

### 1.07 TOLERANCE

- A. Maximum variation of ¼ inch measured with 10 foot straight edge.
- B. Density shall be according to IDOT Standard Specifications 1030.05(d)(3), (d)(4), and (d)(7).
- C. Compacted thickness shall be within ¼ inch of design thickness.

END OF SECTION

## SECTION 02761

### PAVEMENT MARKINGS

#### PART 1 – GENERAL

##### 1.01 WORK INCLUDES:

A. Base Bid – New islands in parking lots A and F and alignment adjustment of Podesta Drive.

1. Placing new 4" yellow paint pavement markings.

B. Alternate – Construct Athletic Avenue on new alignment.

1. Placing new 4" yellow paint pavement markings.

##### 1.02 REFERENCES

A. IDOT Standard Specifications for Road and Bridge Construction (IDOT Standard Specifications), edition in effect at the time of the bid.

1. Delete all reference to method of measurement and basis of pavement.

##### 1.03 SUBMITTALS

A. Provide copies of all product data to Owner and Engineer.

##### 1.04 PRODUCTS

A. Paint shall be in accordance with Section 1095.02 of the IDOT Standard Specifications.

##### 1.05 EXECUTION

A. All work shall be performed according to Illinois Standard Specifications sections 780 and all additional sections referenced therein.

END OF SECTION

## SECTION 02770

### CONCRETE WALKS, CURBS AND GUTTERS

#### PART 1 – GENERAL

##### 1.01 WORK INCLUDES:

- A. Base Bid – New islands in parking lots A and F and alignment adjustment of Podesta Drive.
  - 1. This work includes constructing concrete curb, combination concrete curb and gutter, or concrete median.

##### 1.02 REFERENCES

- A. IDOT Standard Specifications for Road and Bridge Construction (IDOT Standard Specifications), edition in effect at the time of the bid.
  - 1. Delete all reference to method of measurement and basis of pavement.

##### 1.03 SUBMITTALS

- A. Provide copies of all test results to Owner and Engineer. Notify Owner and Engineer immediately of any failing results.
- B. Material Certifications and product data.
- C. Design Mixes.

##### 1.04 PRODUCTS

- A. Portland Cement Concrete
  - 1. Material shall be from an IDOT approved/qualified plant.
  - 2. Material shall be in accordance with Section 1020 of the IDOT Standard Specifications.

##### 1.05 TESTING

- A. Contractor shall provide testing of concrete materials through an independent testing agency.
  - 1. Sampling Fresh Concrete: Representative samples of fresh concrete shall be obtained according to ASTM C 172, except modified for slump to comply with ASTM C 94.

## SECTION 02770

2. Slump: ASTM C 143; one test at point of placement for each compressive-strength test, but not less than one test for each day's pour of each type of concrete. Additional tests will be required when concrete consistency changes.
  3. Air Content: ASTM C 231, pressure method; one test for each compressive-strength test, but not less than one test for each day's pour of each type of air-entrained concrete.
  4. Concrete Temperature: ASTM C 1064; one test hourly when air temperature is 40 deg F and below and when 80 deg F and above, and one test for each set of compressive-strength specimens.
  5. Compressive-Strength Tests: ASTM C 39; one set for each day's pour of each concrete class exceeding 1 cu. yd., but less than 25 cu. yd., plus one set for each additional 50 cu. yd.. One specimen shall be tested at 7 days and two specimens at 14 days.
  6. Strength level of concrete will be considered satisfactory if average 14 day compressive strength is equal to or greater than 3500 psi.
- B. Test results shall be reported in writing to Owner/Engineer, concrete manufacturer, and Coordinating Contractor within 24 hours of testing. Reports of compressive-strength tests shall contain Project identification name and number, date of concrete placement, name of concrete testing agency, concrete type and class, location of concrete batch in pavement, design compressive strength at 14 days, concrete mix proportions and materials, compressive breaking strength, and type of break for both 7- and 14-day tests.

### 1.06 EXECUTION

- A. All work shall be performed according to Illinois Standard Specifications section 606, and all additional sections referenced therein.
- B. Vehicles shall be kept in good repair so that no excessive noise or emissions are created.

## SECTION 02770

- C. Contractor shall take all necessary precautions to protect existing paving, buildings, structures, etc., from damage. Care shall be exercised to prevent staining or splattering surrounding surfaces with repair materials.
- D. The contractor shall lay out the new work.
  - 1. The contractor shall provide control stakes before the actual construction begins.
- E. Joints shall be per IDOT Standard Specifications section 606 and per project details.
- F. Curing
  - 1. Curing shall be as per the Membrane Curing Method, Article 1020.13(a)(4) and Article 1022.01 Type III of the IDOT Standard Specifications.

END OF SECTION

## SECTION 02911

### TOPSOIL AND SEEDING

#### PART 1 – GENERAL

##### 1.01 WORK INCLUDES:

- A. Base Bid – New islands in parking lots A and F and alignment adjustment of Podesta Drive.
  - 1. Furnishing and placing a minimum 4" of topsoil on all disturbed lawn and ditch areas.
  - 2. Seeding, fertilizing, and mulching all lawn and ditch areas.
- B. Alternate – Construct Athletic Avenue on new alignment.
  - 1. Furnishing and placing a minimum 4" of topsoil on all disturbed lawn and ditch areas.
  - 2. Seeding, fertilizing, and mulching all lawn and ditch areas.

##### 1.02 REFERENCES

- A. IDOT Standard Specifications for Road and Bridge Construction (IDOT Standard Specifications), edition in effect at the time of the bid.
  - 1. Delete all reference to method of measurement and basis of pavement.

##### 1.03 SUBMITTALS

- A. Product certificates signed by manufacturers certifying that their products comply with specified requirements.
  - 1. Manufacturer's certified analysis for standard products.

##### 1.04 PRODUCTS

- A. Topsoil used shall be soil that has been stripped on site or in accordance with section 1081.05 of the Standard Specifications.
- B. Seeding shall be IDOT Class 1 in accordance with Section 1081 of the Standard Specifications.
- C. Fertilizer and mulch shall be in accordance with Section 1081 of the Standard Specifications.

## SECTION 02911

### 1.06 EXECUTION

#### A. DELIVERY, STORAGE, AND HANDLING

1. Deliver packaged materials in containers showing weight, analysis, and name of manufacturer. Protect materials from deterioration during delivery and while stored at site.
2. Deliver seed in original sealed, labeled, and undamaged containers.

B. Topsoil placement, seeding, fertilizing, and mulching shall be in accordance 211, 250, and 251 of the Standard Specifications.

#### C. WARRANTY

1. General Warranty: The special warranty specified in this Article shall not deprive the Owner of other rights the Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by the Contractor under requirements of the Contract Documents.
2. Special Warranty: Warrant the following living planting materials for a period of one year after date of Owner's Acceptance, against defects including death and unsatisfactory growth, except for defects resulting from lack of adequate maintenance, neglect, or abuse by Owner, abnormal weather conditions unusual for warranty period, or incidents that are beyond Contractor's control.
3. Special Warranty: The contractor shall warranty the lawn areas during the full length of the maintenance period described in this specification.
4. Special Warranty: The contractor shall warranty the wildflower areas during the full length of the maintenance period described in this specification.

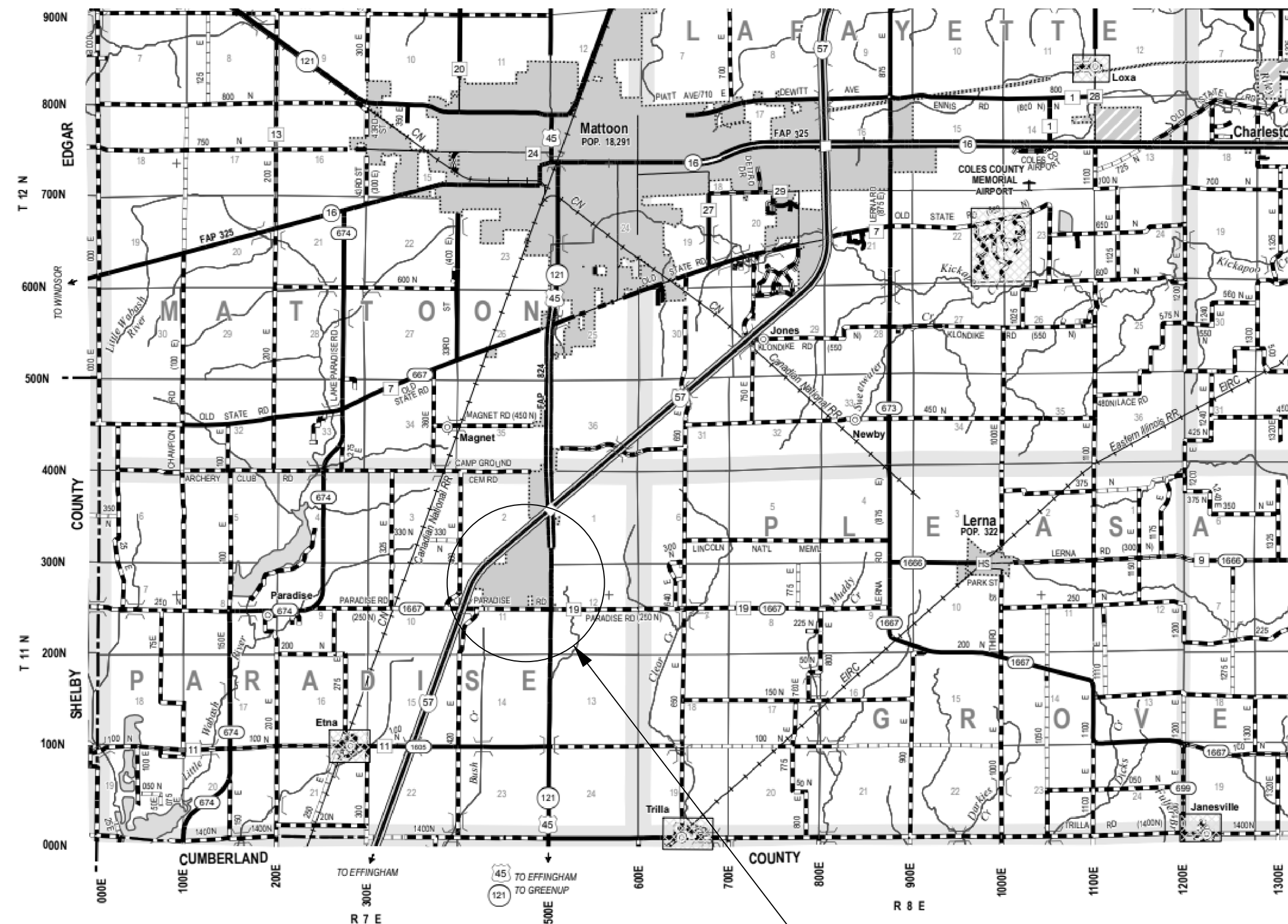
END OF SECTION



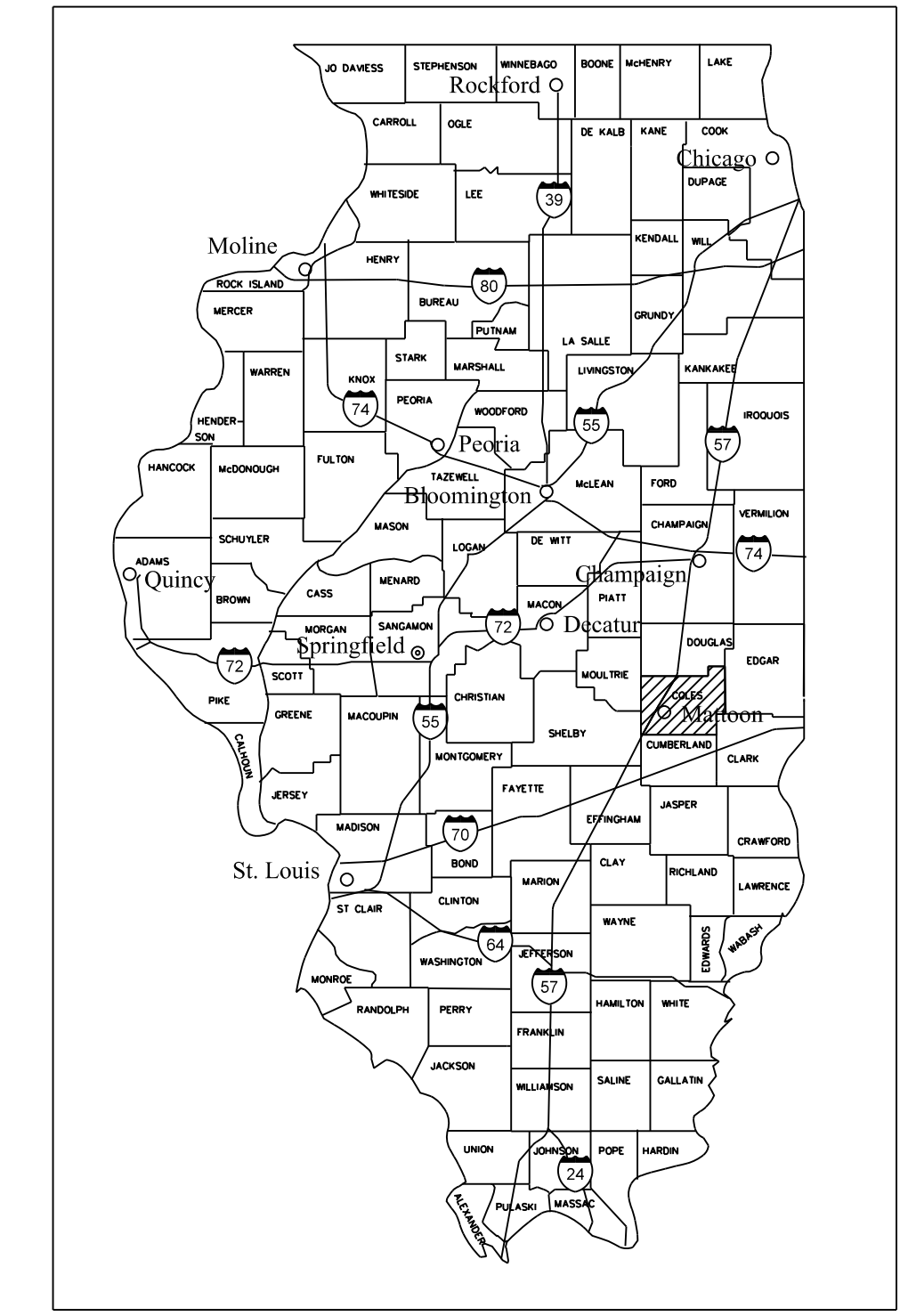
# LAKE LAND COLLEGE ROADWAY



## NEW PARKING LOT ISLANDS AND NEW ALIGNMENT FOR ATHLETIC AVENUE (ALTERNATE)



VICINITY MAP



STATE LOCATION MAP

**DRAWING INDEX**

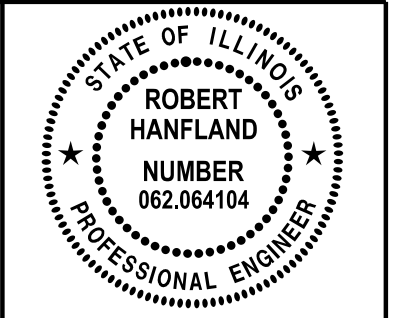
C1	COVER SHEET
C2	PLAN NOTES
C3	ESTIMATE OF QUANTITIES
C4	REMOVAL - PARKING LOT A
C5	REMOVAL - PARKING LOT F
C6	REMOVAL - PARKING LOT F / PODESTA DRIVE
C7	PLAN - PARKING LOT A
C8	PLAN - PARKING LOT F
C9	PLAN - PARKING LOT F / PODESTA DRIVE
C10	PLAN AND PROFILE - ATHLETIC AVENUE
C11	ALIGNMENT SHEET
C12	DETAILS
C13	ATHLETIC AVENUE CROSS SECTIONS

**DRAWINGS RELEASED FOR:**

<input type="checkbox"/>	PLAN REVIEW
<input checked="" type="checkbox"/>	BIDDING
<input type="checkbox"/>	CONSTRUCTION



J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123 OR 811



*Robert Hanfland*

EXPIRES 11/30/2019  
DATE: 3/29/2019  
CDI #: R3427  
DESIGNED BY: DMM  
DRAWN BY: DMM  
CHECKED BY: RLH

DATE	REMARKS	REV. NO.



104 N. Second Street, Suite A  
Effingham, IL 62401  
217.342.2025

Illinois Professional Design Firm  
License # 184.003222

COVER SHEET  
LAKE LAND COLLEGE  
NEW PARKING LOT ISLANDS

SHEET NO.  
C1

## GENERAL NOTES

- IN THE FOLLOWING, THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE REFERRED TO AS "IDOT".
- ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH:THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016 (HERE IN AFTER REFERRED TO AS THE STANDARD SPECIFICATIONS); THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2019; THE "DETAILS" ON THE PLANS;THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.
- GENERAL SAFETY PROVISION: TO PROVIDE THE PUBLIC WITH SAFE TRAVEL AND SITE CONDITIONS DURING THE CONSTRUCTION PROJECT AND TO PROVIDE SAFE WORKING CONDITIONS FOR ALL EMPLOYEES, THE RULES, REGULATIONS, AND CONDITIONS STATED BELOW WILL PREVAIL FOR THE DURATION OF THIS CONTRACT. THE CONTRACTOR SHALL COMPLY WITH THE CITY, STATE, AND FEDERAL REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) AS IT RELATES TO THESE OPERATIONS.
- THE CONTRACTOR SHALL COMPLY WITH ALL CITY, STATE, AND FEDERAL REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION. OPEN BURNING WILL NOT BE PERMITTED ON THE SITE.
- PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS OF THE BENCHMARKS. THE CONTRACTOR SHALL ALSO FIELD VERIFY THE LOCATION, ELEVATION, AND SIZE OF EXISTING UTILITIES AND VERIFY PAVEMENT ELEVATIONS WHERE MATCHING INTO EXISTING WORK. THE CONTRACTOR SHALL FIELD VERIFY HORIZONTAL CONTROL BY REFERENCING KNOWN PROPERTY LINES, OR SURVEY MARKERS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF DISCREPANCIES IN EITHER VERTICAL OR HORIZONTAL CONTROL PRIOR TO PROCEEDING WITH WORK. CONTRACTOR SHALL ALSO FIELD VERIFY PROPOSED STORM SEWER OUTLET ELEVATION PRIOR TO COMMENCING WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL PLAN QUANTITIES.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH THE OWNER, AND ANY UTILITY COMPANIES (IF NECESSARY).
- THE CONTRACTOR SHALL PROTECT ALL EXISTING ITEMS SCHEDULED TO REMAIN; LANDSCAPING, TREES, SHRUBS, FENCES, DRAIN LINES, POWER LINES, CULVERTS, SIDEWALKS, DRIVEWAYS, AND OTHER PUBLIC/PRIVATE PROPERTY. ANY ITEM THAT IS DAMAGED SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR, AS DIRECTED BY THE ENGINEER, AT NO ADDITIONAL COST TO THE CITY. THE CONTRACTOR SHALL MAINTAIN THE SITE IN A CLEAN AND ORDERLY MANNER. IF NECESSARY, THE CONTRACTOR SHALL STOP ALL OTHER WORK AND CONCENTRATE ON CLEANUP AND RESTORATION IN ORDER TO KEEP THE SITE CLEAN. DEBRIS AND SURPLUS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR OFF-SITE.
- THE CONTRACTOR SHALL KEEP THE EXISTING AND ADJACENT STREET PAVEMENT CLEAN OF DIRT, MUD, AND OTHER DEBRIS. WHEN NECESSARY THE CONTRACTOR SHALL CLEAN THE PAVEMENTS ON A DAILY BASIS WITH A STREET SWEEPER, AS NECESSARY. THE COST FOR CLEANING STREET PAVEMENTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.
- THE EXISTING STREET SIGNS AND STOP SIGNS WHICH INTERFERE WITH CONSTRUCTION SHALL BE REMOVED AND TEMPORARILY RELOCATED DURING CONSTRUCTION BY THE CONTRACTOR IN ACCORDANCE WITH ARTICLES 107.20 AND 107.25. AFTER THE WORK IS SUBSTANTIALLY COMPLETE ALL OF THE SIGNS SHALL BE RESET AT THE ORIGINAL LOCATION. THE COST OF THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE CONTRACT WITH NO ADDITIONAL COMPENSATION ALLOWED. ANY LOST OR DAMAGED SIGNS SHALL BE REPLACED IN-KIND AS REQUIRED BY THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN THE VERTICAL GRADES AND THE HORIZONTAL ALIGNMENT AS SHOWN ON THE PLANS OF ALL STORM SEWERS, SANITARY SEWER, STREET PAVEMENT, SIDEWALKS AND ALL OTHER SITE IMPROVEMENTS.
- CONTRACTORS ARE ADVISED TO VISIT THE SITE PRIOR TO SUBMITTING BIDS IN ORDER TO BE FAMILIAR WITH ALL CONDITIONS PERTAINING TO WORK BEING BID.
- ALL LABOR, EQUIPMENT, AND MATERIALS CALLED FOR IN THESE PLANS OR THE REFERENCED SPECIFICATIONS SHALL BE FURNISHED BY THE SELECTED CONTRACTOR(S) AS NECESSARY IN ORDER TO COMPLETE ALL CONSTRUCTION OF THE VARIOUS IMPROVEMENTS.
- ALL CONTRACTORS FOR THIS PROJECT SHALL OBTAIN ANY NECESSARY EXCAVATION PERMITS AND BONDS FROM THE OWNER, AND REQUIRED INSURANCE COVERAGE PRIOR TO BEGINNING CONSTRUCTION AND SHALL PROVIDE COPIES OF SAME TO THE ENGINEER.
- ALL EXISTING SANITARY SEWERS, DRAINS AND UTILITIES CUT OR CRUSHED DURING CONSTRUCTION SHALL BE REPLACED OR PLUGGED AT THE DIRECTION OF THE ENGINEER. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPLACE OR REPAIR PROMPTLY ALL DAMAGED LINES AT NO ADDED COMPENSATION, UNLESS SUCH RE-ROUTING EXCEEDS 50 FEET IN LENGTH. PIPE MATERIAL SHALL BE APPROVED BY THE ENGINEER.
- THE CONTRACTOR AND SUBCONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER, AT LEAST 48 HOURS PRIOR TO STARTING OR RESTARTING OF ANY CONSTRUCTION.
- DISPOSE OF EXCESS EXCAVATED MATERIAL PER 202.03

## DEMOLITION NOTES

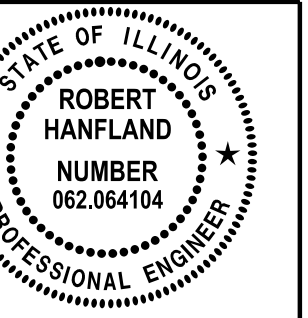
- UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THAT THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION PRIOR TO CONSTRUCTION.
- THE STREETS AND AREAS SURROUNDING THIS SERVE BOTH PEDESTRIAN AND VEHICLE TRAFFIC. ALL NECESSARY CARE SHALL BE TAKEN BY THE CONTRACTOR TO ENSURE THE SAFETY OF THE GENERAL PUBLIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND MAINTAINING SAFE AND EFFICIENT PROJECT LIMITS. THE CONTRACTOR SHALL FOLLOW ALL FEDERAL, STATE, AND LOCAL GUIDELINES WITH REGARDS TO CONSTRUCTION SAFETY THROUGHOUT THE ENTIRE DURATION OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY BREACHES OF SAFETY OR DESTRUCTION OF PROPERTY RELATED TO THE CONSTRUCTION OF THIS PROJECT.
- ALL DEMOLITION DEBRIS SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF OFF SITE ACCORDING TO ALL FEDERAL, STATE, AND LOCAL REGULATIONS. ALL ASPHALT AND CONCRETE INDICATED TO BE REMOVED SHALL BE REMOVED COMPLETELY TO AN OFF-SITE LOCATION. THIS INCLUDES ANY AND ALL GRANULAR BASE ENCOUNTERED.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS NOT TO DAMAGE ANY EXISTING SITE FEATURES TO REMAIN. IF ANY DAMAGE OCCURS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY. THE CONTRACTOR SHALL REPAIR ALL DAMAGED ITEMS TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.
- WHERE PAVEMENT, WALKS, ETC. ARE TO BE REMOVED, SAWCUT AT LOCATIONS SHOWN, OR REMOVE ENTIRELY TO NEAREST AVAILABLE JOINT.
- ANY EXISTING BELOW GRADE DEBRIS OR OBSTACLES ENCOUNTERED WITHIN THE PROPOSED PROJECT LIMITS, BUT NOT SPECIFICALLY CALLED OUT ON THE PLANS, SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR FURTHER DIRECTION.
- USE OF EXPLOSIVES AND/OR BURNING ON SITE IS NOT PERMITTED.
- PIPES TO BE ABANDONED IN PLACE ARE TO BE CAPPED.

## UTILITY NOTES

- LOCATE EXISTING UNDERGROUND UTILITIES AND SEWERS IN AREAS OF WORK PRIOR TO STARTING OPERATIONS. WHEN UTILITIES ARE TO REMAIN IN PLACE, PROVIDE ADEQUATE MEANS OF PROTECTION DURING OPERATIONS. SHOULD UNKNOWN UTILITIES BE ENCOUNTERED DURING EXCAVATION, CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY FOR FURTHER DIRECTION.
- EXISTING UTILITIES, IF SHOWN ON THE PLANS, ARE ACCORDING TO INFORMATION OBTAINED FROM THE UTILITY COMPANIES. THE ACCURACY AND COMPLETENESS OF THE UTILITY INFORMATION IS NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXISTENCE, NATURE, AND EXACT LOCATIONS OF ALL UTILITY LINES AND APPURTENANCES WITHIN THE LIMITS OF THE IMPROVEMENTS. THE CONTRACTOR SHALL GIVE PRIOR NOTIFICATION TO THE UTILITY COMPANIES AND THE OWNER OF THEIR INTENTION TO BEGIN WORK.
- SHOULD CERTAIN EXISTING UTILITY FACILITIES INTERFERE WITH THE PROPOSED CONSTRUCTION. THEY WILL HAVE TO BE REMOVED AND RELOCATED BY THE UTILITY COMPANIES. THE CONTRACTOR SHALL COORDINATE AND SCHEDULE THIS WORK WITH ALL AFFECTED UTILITY COMPANIES AND THE OWNER SO AS TO INSURE THE TIMELY COMPLETION AND MAINTENANCE OF THE UTILITY FACILITIES.
- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE INTERFERENCE WITH OR DAMAGE TO ANY EXISTING UTILITY FACILITY AND APPURTENANCES SUCH AS WATER MAINS, SEWERS, GAS MAINS, ELECTRIC AND SIGNAL EQUIPMENT OR LABOR AND SHALL REPAIR OR REPLACE SAME AT THEIR OWN EXPENSE AND WITH THE LEAST POSSIBLE DELAY. NO EXTRA COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR ANY EXPENSES INCURRED BECAUSE OF THE DELAYS, INCONVENIENCES, OR INTERRUPTIONS TO THEIR WORK RESULTING FROM COMPLIANCE WITH THE ABOVE REQUIREMENTS.
- TOP ELEVATIONS OF ALL PROPOSED AND EXISTING UTILITY STRUCTURES HAVE BEEN DESIGNED TO MATCH FINISH GRADE. IF FIELD FINISH GRADE DIFFERS FROM DESIGN TOP ELEVATIONS SHOWN ON THESE PLANS, NOTIFY THE ENGINEER IMMEDIATELY.
- ALL STORM AND SANITARY SEWER STRUCTURES AND APPURTENANCES ARE TO CONFORM TO THE STANDARD DETAILS AND CONSTRUCTION SPECIFICATIONS SHOWN IN THE CURRENT STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.
- ALL TRENCHES FOR SANITARY, STORM, AND UTILITY CONDUIT LINES LOCATED UNDER PROPOSED PAVEMENT AREAS SHALL BE BACKFILLED WITH COMPACTED GRANULAR MATERIAL TO TWO FEET BEYOND THE PAVEMENT EDGE. TRENCH BACKFILL REQUIREMENTS SHALL CONFORM TO THE APPLICABLE PORTIONS OF THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS". ANY TRENCH AREAS REQUIRING COMPACTED GRANULAR TRENCH BACKFILL SHALL BE COMPACTED IN 6" LIFTS WITH A PNEUMATIC TAMPING MACHINE IMMEDIATELY AFTER PIPE INSTALLATION AS PER SPECIFICATIONS. COMPACTION DENSITY TESTS SHALL BE DONE EVERY VERTICAL 2 FEET, AT 100' HORIZONTAL SPACING. CONTRACTOR SHALL COORDINATE AND PROVIDE A SCHEDULE TO THE ENGINEER 2 DAYS PRIOR TO DOING THE TRENCH BACKFILL WORK. CONTROLLED LOW STRENGTH MATERIAL (CLSM), OR "FLOWABLE FILL", MAY BE USED IN LIEU OF AGGREGATE BACKFILL. CONSTRUCTION OF CLSM SHALL BE IN ACCORDANCE WITH IDOT SPECIFICATIONS. WHEN CLSM IS USED, THE TOP ONE (1) FOOT OF THE TRENCH BACKFILL SHALL BE A LOCAL SOIL COMPACTED TO NOT LESS THAN 95% OF THE STANDARD LAB DENSITY.
- THE HORIZONTAL AND VERTICAL SEPARATION OF WATER MAINS AND SEWERS SHALL BE IN ACCORDANCE WITH DIVISION IV SEC. 41-2.01 OF THE "STANDARD SPECIFICATIONS OF WATER AND SEWER MAIN IN ILLINOIS", CURRENT EDITION.
- ALL SHOP DRAWINGS OF MANHOLES OR INLETS SHALL BE SUBMITTED TO AND REVIEWED BY ENGINEER PRIOR TO FABRICATING STRUCTURES.HORIZONTAL LIMITS OF TRENCH BACKFILL FOR ALL SEWERS DEEPER THAN 5 FEET ARE BASED ON USING A TRENCH BOX. AT ANY TIME, THE CONTRACTOR DESIRES NOT TO USE A TRENCH BOX IN THOSE AREAS, THE APPROPRIATE OSHA CUT BACK SLOPES SHOULD BE USED AND IF ANY OF THESE CUT BACK LINES INTERSECT THE 2'-0" LIMIT, THEN EXTEND TRENCH BACKFILL AS NECESSARY, AT NO ADDITIONAL COMPENSATION TO CONTRACTORS.
- ANY TRENCH SETTLEMENT CAUSING PAVEMENT CRACKING AND/OR SETTLEMENT SHALL BE REPAIRED AND THE PAVEMENT PROPERLY REPLACED BY THE SEWER CONTRACTOR WITHIN TWO WEEKS OF NOTIFICATION BY THE DEVELOPER OR HIS ENGINEER.

## GRADING AND EROSION CONTROL NOTES

- CONTRACTOR SHALL SEED ALL DISTURBED AREAS AND MAINTAIN SLOPES. TILL, FERTILIZE, AND RE-SEED AS REQUIRED.
- ALL GRADING AND DRAINAGE TO BE IN CONFORMANCE WITH THE OWNER'S AND IDOT STANDARDS.
- SOIL STABILIZATION SHALL BE COMPLETED WITHIN 5 DAYS OF CLEARING OR INACTIVITY IN CONSTRUCTION.
- NO SLOPES SHALL EXCEED 3:1.
- ELEVATIONS SHOWN ON PLAN ARE TO TOP OF FINISHED GRADE OR PAVED SURFACE, UNLESS NOTED OTHERWISE.
- ALL TRASH, DEBRIS, ORGANIC MATERIAL, REFUSE, FROZEN EARTH, ETC., SHALL BE REMOVED FROM FILL AREAS PRIOR TO THE PLACEMENT OF FILL MATERIAL. ALL FILLS AND BACKFILLS SHALL BE MADE OF SELECTED EARTH MATERIALS, FREE FROM BROKEN MASONRY, ROCK, FROZEN EARTH, RUBBISH, ORGANIC MATERIAL AND DEBRIS UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS DURING COMPACTION OF BACKFILL MATERIALS OVER THE TOP OF STRUCTURES OR PIPES IN ORDER TO PREVENT DAMAGE TO THE WATERPROOFING MEMBRANES, JOINTS, SEALS, AND STRUCTURES THEMSELVES.
- CLEARING TECHNIQUES THAT RETAIN VEGETATION TO THE MAXIMUM EXTENT PRACTICAL SHALL BE USED, AND THE TIME PERIOD FOR DISTURBED AREAS TO BE WITHOUT VEGETATIVE COVER SHALL BE MINIMIZED TO THE EXTENT PRACTICAL.
- ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN FOURTEEN (14) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE TEMPORARY SEEDING AND MULCHING.
- WHEN ANY GRADING OCCURS PRIOR TO FINAL GRADING, THE SITE SHALL AT ALL TIMES BE MAINTAINED SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
- CONTRACTOR SHALL MAINTAIN ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES FOR THE DURATION OF THE PROJECT. SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ON A DAILY BASIS. AFTER EVERY STORM EVENT, EROSION AND SEDIMENT CONTROL DEVICES AS WELL AS EXISTING AND PROPOSED INLETS, MANHOLES, SEWER PIPES, AND PAVEMENTS SHALL BE INSPECTED. REMOVE ANY SEDIMENT FROM THESE AREAS IMMEDIATELY.



*Robert Hanfland*

EXPIRES 11/30/2019

DATE: 3/29/2019

CDI #: R3427

DESIGNED BY: DMM

DRAWN BY: DMM

CHECKED BY: RLH

DATE				

REMARKS				

REV. NO.				



CIVIL DESIGN, INC.  
WBEIDBE

104 N. Second Street, Suite A  
Effingham, IL 62401  
217.342.2025

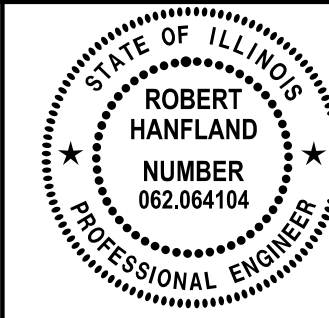
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Design Firm  
License #184.003222

PLAN NOTES  
 LAKE LAND COLLEGE  
 NEW PARKING LOT ISLANDS

SHEET NO.

C2

REV. 0



*Robert Hanfland*  
 EXPIRES 11/30/2019

DATE: 3/29/2019

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DESIGNED BY: DMM

DRAWN BY: DMM

CHECKED BY: RLH

DATE			

REMARKS			

REV. NO.			



CIVIL DESIGN, INC.  
 WBEIDBE

104 N. Second Street, Suite A  
 Effingham, IL 62401  
 217.342.2025

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 Design Firm  
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REMOVAL				
LOCATION	PAVEMENT REMOVAL	SAW CUTS	CURB REMOVAL	PAVEMENT MARKING REMOVAL
	SQ YD	FEET	FEET	SQ FT
PARKING LOT A	451	876	477	151
PARKING LOT F	438	874	478	157
PODESTA DRIVE / PARKING LOT F	470	147	200	87
TOTAL BASE BID	1359	1897	1155	395
ATHLETIC AVENUE (ALTERNATE BID)	617	50		

DRAINAGE			
LOCATION	ADJUST INLET W/ NEW IDOT TYPE 1 FRAME AND CLOSED LID EACH	INLET, IDOT TYPE A W/ IDOT TYPE 8 GRATE EACH	STORM SEWER, 8" FEET
	PARKING LOT A		
PARKING LOT F			
PODESTA DRIVE / PARKING LOT F			
TOTAL BASE BID			
ATHLETIC AVENUE (ALTERNATE BID)	1	1	24

PAVING SCHEDULE											
LOCATION	SUBBASE GRANULAR MATERIAL, 12"	SUBBASE GRANULAR MATERIAL, 4"	HMA SURFACE COURSE	HMA BINDER COURSE	PCC PAVEMENT	PCC MEDIAN	PCC CURB	PCC CURB & GUTTER	PAVEMENT MARKING 4" YELLOW	EARTH EXCAVATION	EMBANKMENT
	SQ YD	SQ YD	TONS	TONS	SQ YD	SQ YD	FEET	FEET	FEET	CU YD	CU YD
PARKING LOT A		52			52	543	782	72			
PARKING LOT F		53			53	537	781	72			
PODESTA DRIVE / PARKING LOT F	506		48	62		162	117		692		
TOTAL BASE BID	506	105	48	62	105	1242	1680	144	692		
ATHLETIC AVENUE (ALTERNATE BID)	1390		126	162					110	591	87

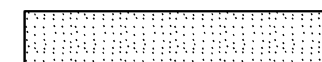

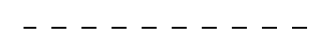
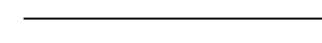
QUANTITIES SHOWN ABOVE ARE FOR ESTIMATING PURPOSES ONLY. CONTRACTOR TO VERIFY. ABOVE LISTS DO NOT INCLUDE ALL QUANTITIES AND MATERIALS NECESSARY TO COMPLETE WORK.

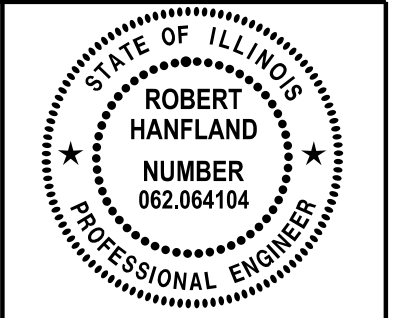
ESTIMATE OF QUANTITIES  
 LAKE LAND COLLEGE  
 NEW PARKING LOT ISLANDS

SHEET NO.

C3



-  PAVEMENT REMOVAL
-  CURB & GUTTER REMOVAL
-  PAVEMENT MARKING REMOVAL
-  SAW CUT
- TBR&R TO BE REMOVED & RE-LOCATED
- TBR TO BE REMOVED



*Robert Hanfland*  
 EXPIRES 11/30/2019

DATE: 3/29/2019  
 CDI #: R3427  
 DESIGNED BY: DMM  
 DRAWN BY: DMM  
 CHECKED BY: RLH

DATE	REMARKS	REV. NO.



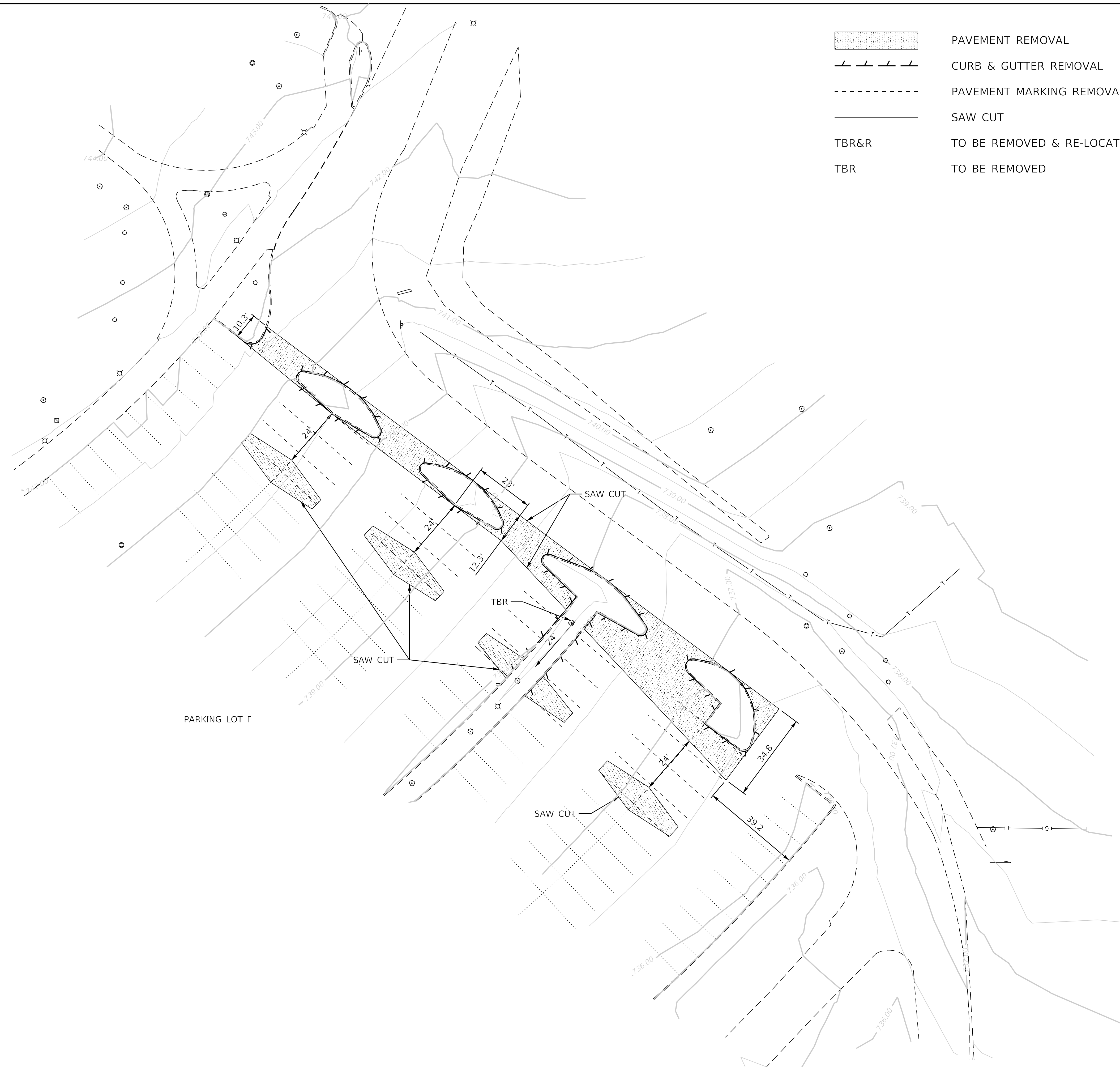
104 N. Second Street, Suite A  
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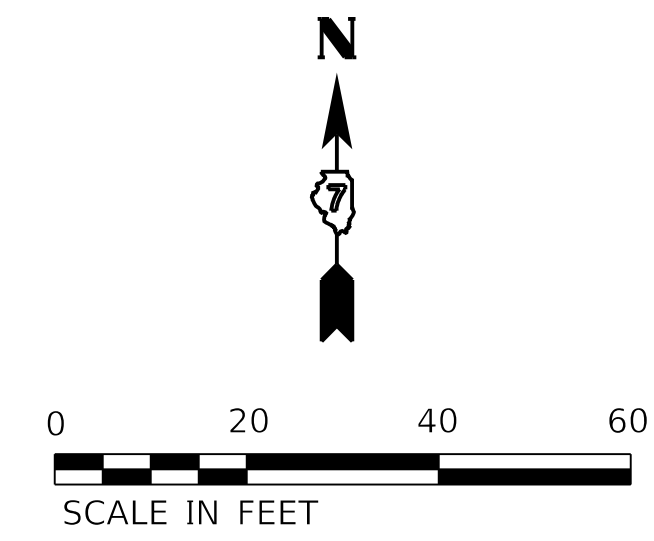
REMOVAL - PARKING LOT A  
 LAKE LAND COLLEGE  
 NEW PARKING LOT ISLANDS

SHEET NO.  
 C4

REV. 0



- PAVEMENT REMOVAL
- CURB & GUTTER REMOVAL
- PAVEMENT MARKING REMOVAL
- SAW CUT
- TBR&R
- TBR



*Robert Hanfland*  
 EXPIRES 11/30/2019

DATE: 3/29/2019  
 CDI #: R3427  
 DESIGNED BY: DMM  
 DRAWN BY: DMM  
 CHECKED BY: RLH

REV. NO.	DATE	REMARKS


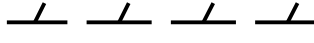
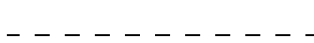



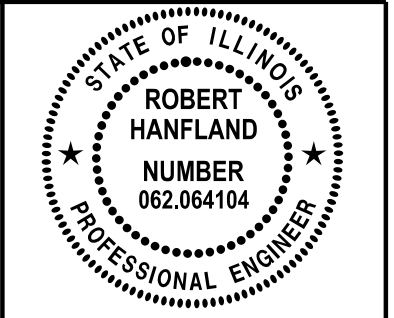
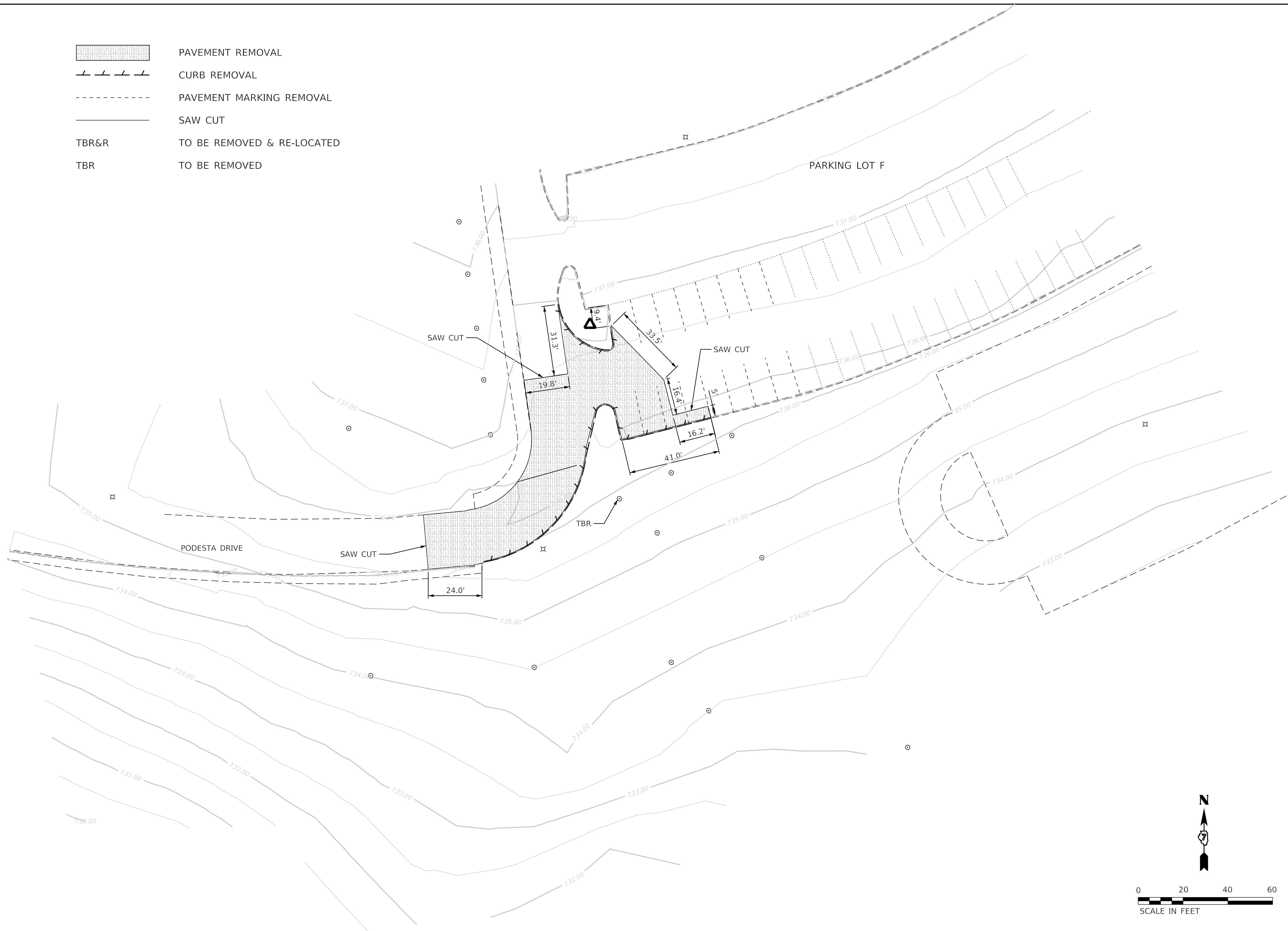
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REMOVAL - PARKING LOT F  
 LAKE LAND COLLEGE  
 NEW PARKING LOT ISLANDS

SHEET NO.  
C5

-  PAVEMENT REMOVAL
-  CURB REMOVAL
-  PAVEMENT MARKING REMOVAL
-  SAW CUT
- TBR&R TO BE REMOVED & RE-LOCATED
- TBR TO BE REMOVED



*Robert Hanfland*  
 EXPIRES 11/30/2019

DATE: 3/29/2019  
 CDI #: R3427  
 DESIGNED BY: DMM  
 DRAWN BY: DMM  
 CHECKED BY: RLH

REV. NO.	DATE	REMARKS



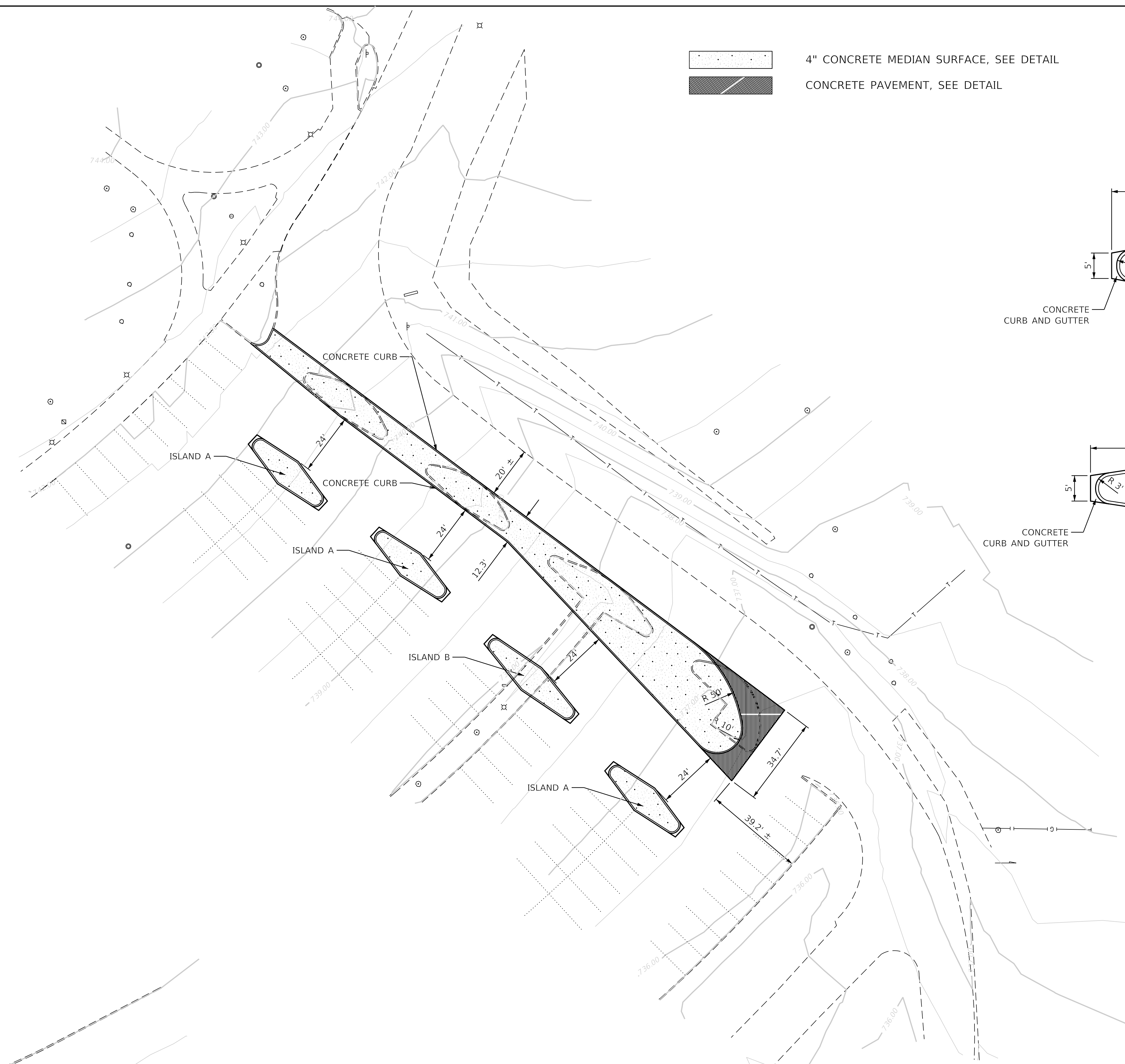
**CIVIL DESIGN, INC.**  
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 Effingham, IL 62401  
 217.342.2025  
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 Design Firm  
 License #184.003222

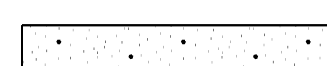

REMOVAL - PARKING LOT F / PODESTA DRIVE  
 LAKE LAND COLLEGE  
 NEW PARKING LOT ISLANDS

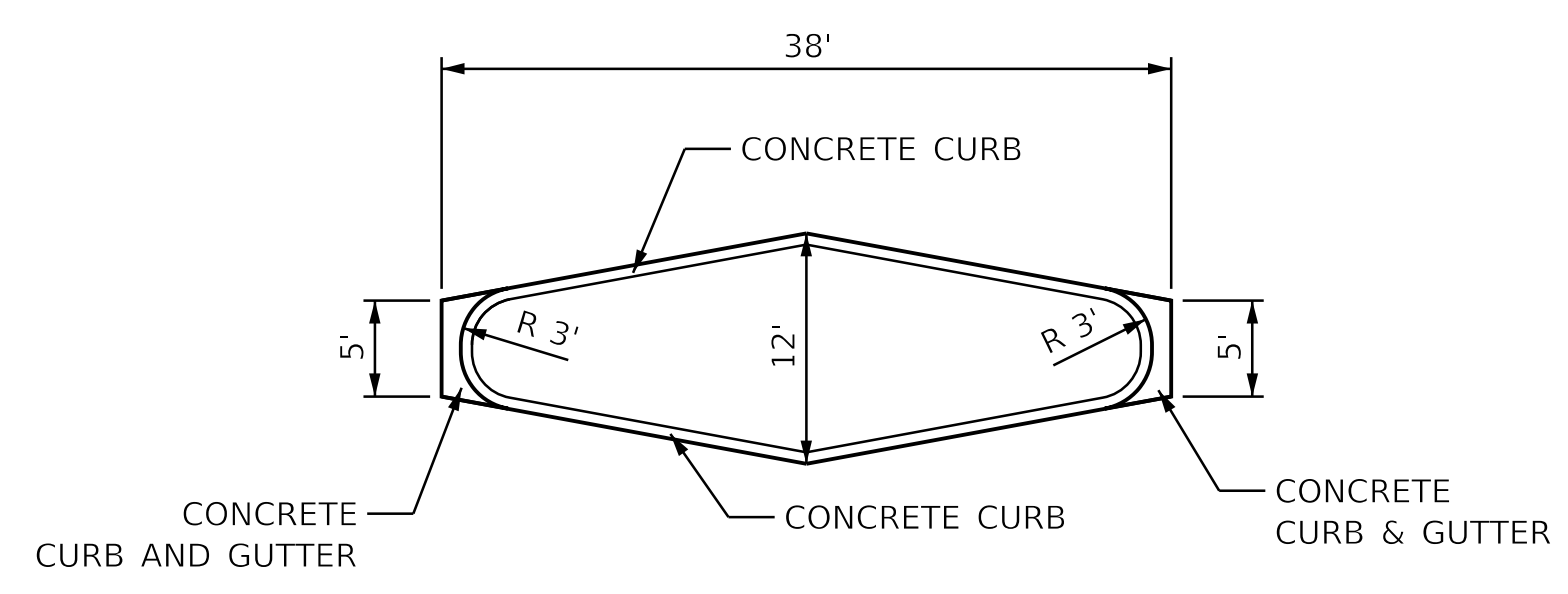
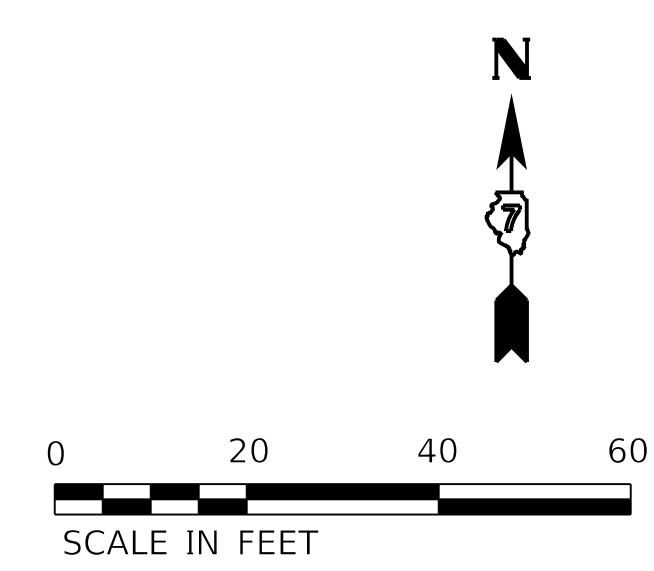
SHEET NO.  
**C6**



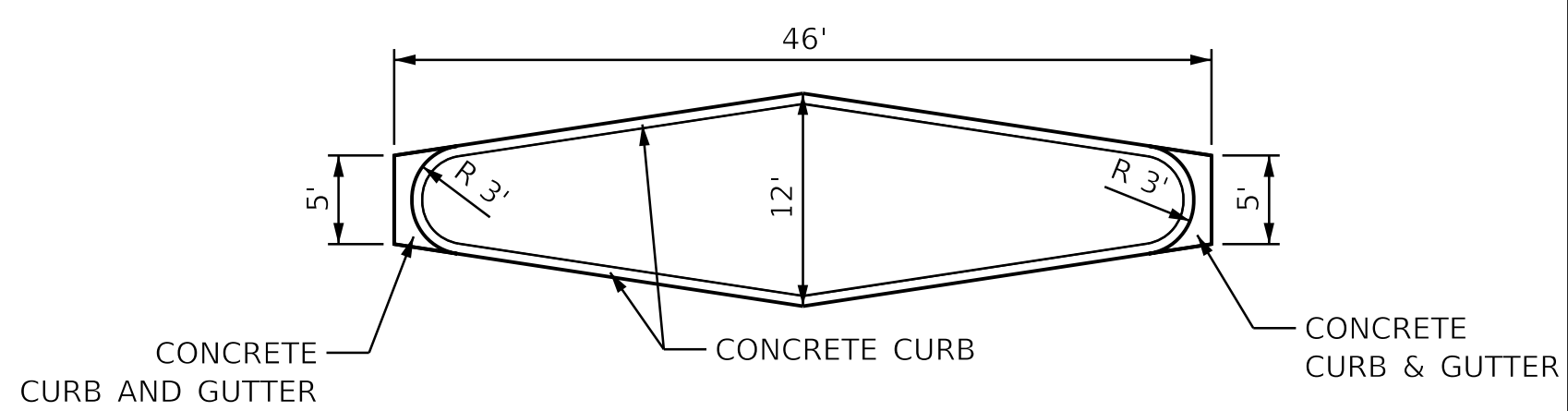




 4" CONCRETE MEDIAN SURFACE, SEE DETAIL  
 CONCRETE PAVEMENT, SEE DETAIL



ISLAND "A"



ISLAND "B"



Robert Hanfland  
 EXPIRES 11/30/2019

DATE: 3/29/2019  
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 DESIGNED BY: DMM  
 DRAWN BY: DMM  
 CHECKED BY: RLH

DATE	REMARKS	REV. NO.



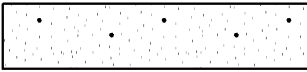
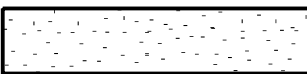
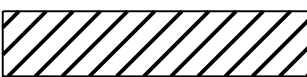
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 104 N. Second Street, Suite A  
 Effingham, IL 62401  
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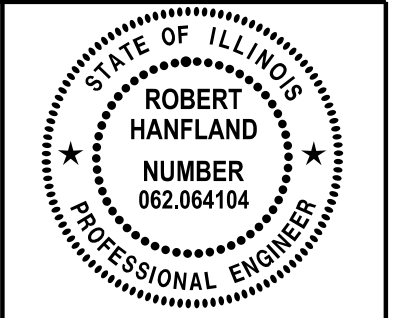
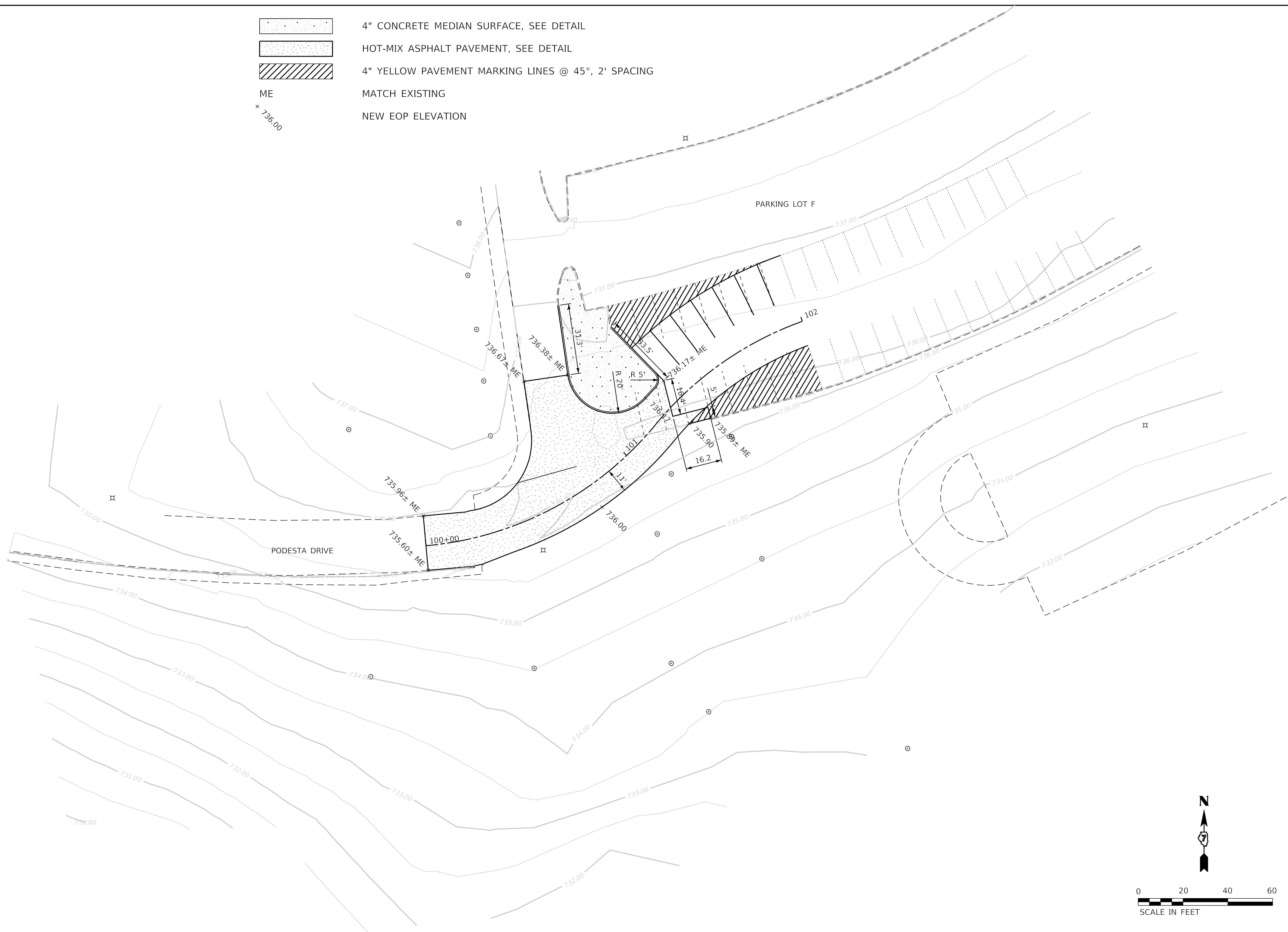
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PLAN - PARKING LOT F  
 LAKE LAND COLLEGE  
 NEW PARKING LOT ISLANDS

SHEET NO.  
 C08



-  4" CONCRETE MEDIAN SURFACE, SEE DETAIL
-  HOT-MIX ASPHALT PAVEMENT, SEE DETAIL
-  4" YELLOW PAVEMENT MARKING LINES @ 45°, 2' SPACING
- ME MATCH EXISTING
- + 736.00 NEW EOP ELEVATION



*Robert Hanfland*

EXPIRES 11/30/2019  
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REV. NO.	DATE	REMARKS



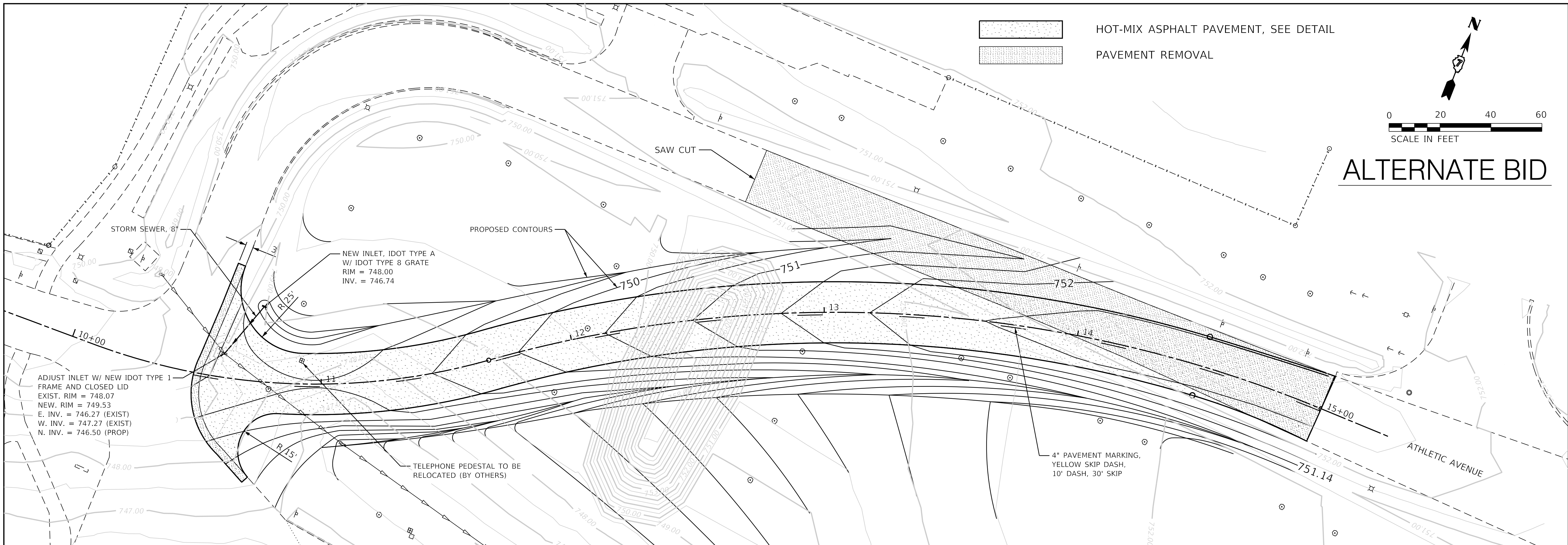
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PLAN - PARKING LOT F / PODESTA DRIVE  
 LAKE LAND COLLEGE  
 NEW PARKING LOT ISLANDS

SHEET NO.

C9



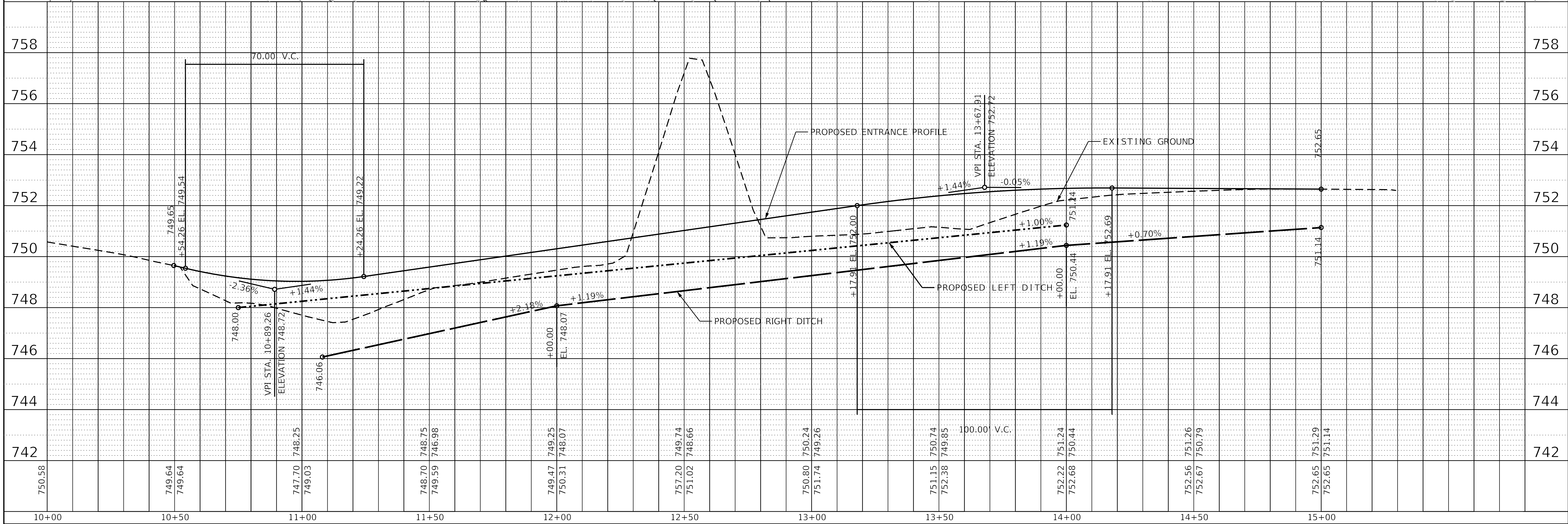
Robert Hanfland  
 EXPIRES 11/30/2019  
 DATE: 3/29/2019  
 CDI #: R3427  
 DESIGNED BY: DMM  
 DRAWN BY: DMM  
 CHECKED BY: RLH

REV. NO.	DATE	REMARKS



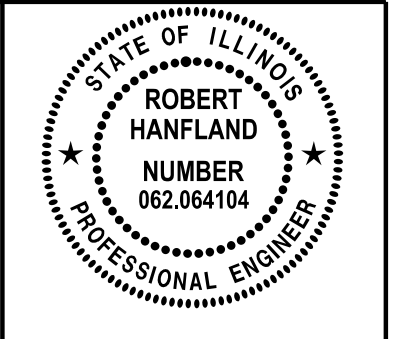
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PLAN AND PROFILE - ATHLETIC AVENUE  
 LAKE LAND COLLEGE  
 NEW PARKING LOT ISLANDS

SHEET NO.  
**C10**



ROBERT HANFLAND  
 NUMBER 062.064104  
 PROFESSIONAL ENGINEER

EXPIRES 11/30/2019

DATE: 3/29/2019

CDI #: R3427

DESIGNED BY: DMM

DRAWN BY: DMM

CHECKED BY: RLH

DATE	REVISIONS

REV. NO.	REMARKS



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ALIGNMENT SHEET  
 LAKE LAND COLLEGE  
 NEW PARKING LOT ISLANDS

SHEET NO.

C11

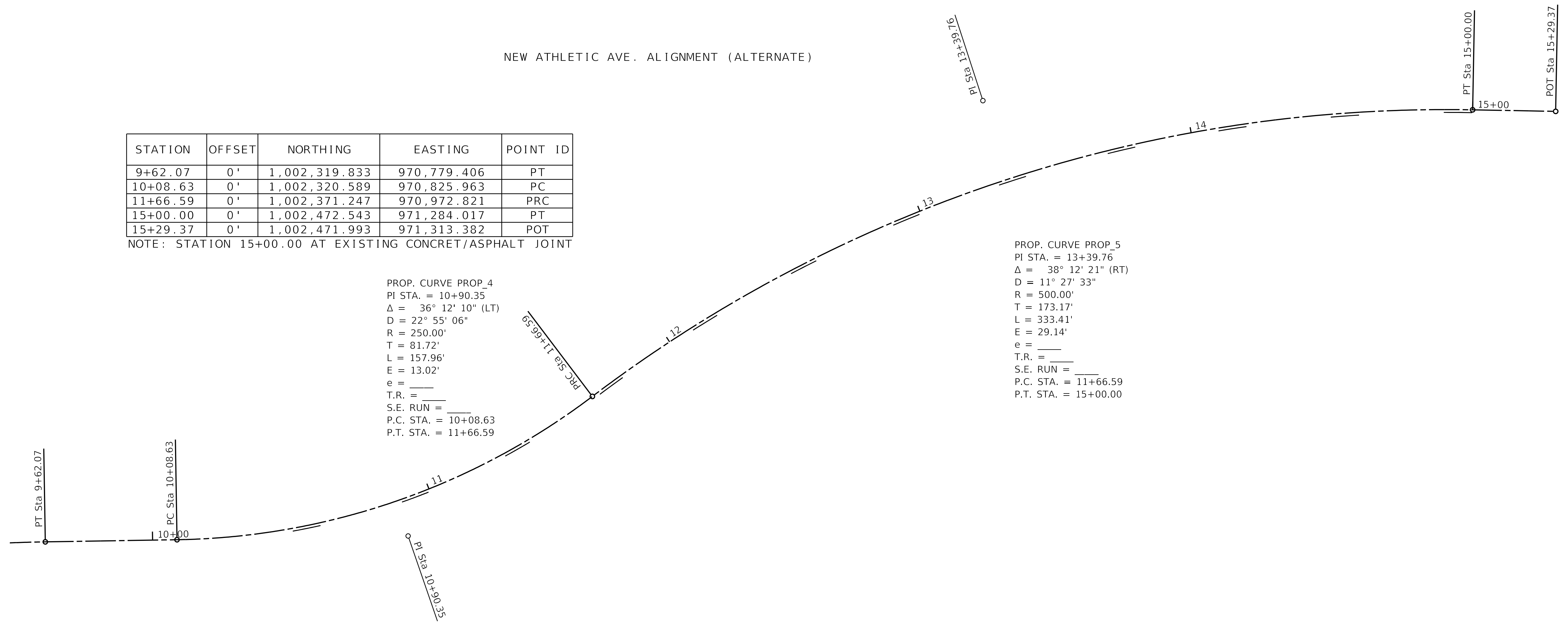
NEW ATHLETIC AVE. ALIGNMENT (ALTERNATE)

STATION	OFFSET	NORTHING	EASTING	POINT ID
9+62.07	0'	1,002,319.833	970,779.406	PT
10+08.63	0'	1,002,320.589	970,825.963	PC
11+66.59	0'	1,002,371.247	970,972.821	PRC
15+00.00	0'	1,002,472.543	971,284.017	PT
15+29.37	0'	1,002,471.993	971,313.382	POT

NOTE: STATION 15+00.00 AT EXISTING CONCRET/ASPHALT JOINT

PROP. CURVE PROP\_4  
 PI STA. = 10+90.35  
 $\Delta = 36^\circ 12' 10''$  (LT)  
 D = 22° 55' 06"  
 R = 250.00'  
 T = 81.72'  
 L = 157.96'  
 E = 13.02'  
 e = \_\_\_\_\_  
 T.R. = \_\_\_\_\_  
 S.E. RUN = \_\_\_\_\_  
 P.C. STA. = 10+08.63  
 P.T. STA. = 11+66.59

PROP. CURVE PROP\_5  
 PI STA. = 13+39.76  
 $\Delta = 38^\circ 12' 21''$  (RT)  
 D = 11° 27' 33"  
 R = 500.00'  
 T = 173.17'  
 L = 333.41'  
 E = 29.14'  
 e = \_\_\_\_\_  
 T.R. = \_\_\_\_\_  
 S.E. RUN = \_\_\_\_\_  
 P.C. STA. = 11+66.59  
 P.T. STA. = 15+00.00

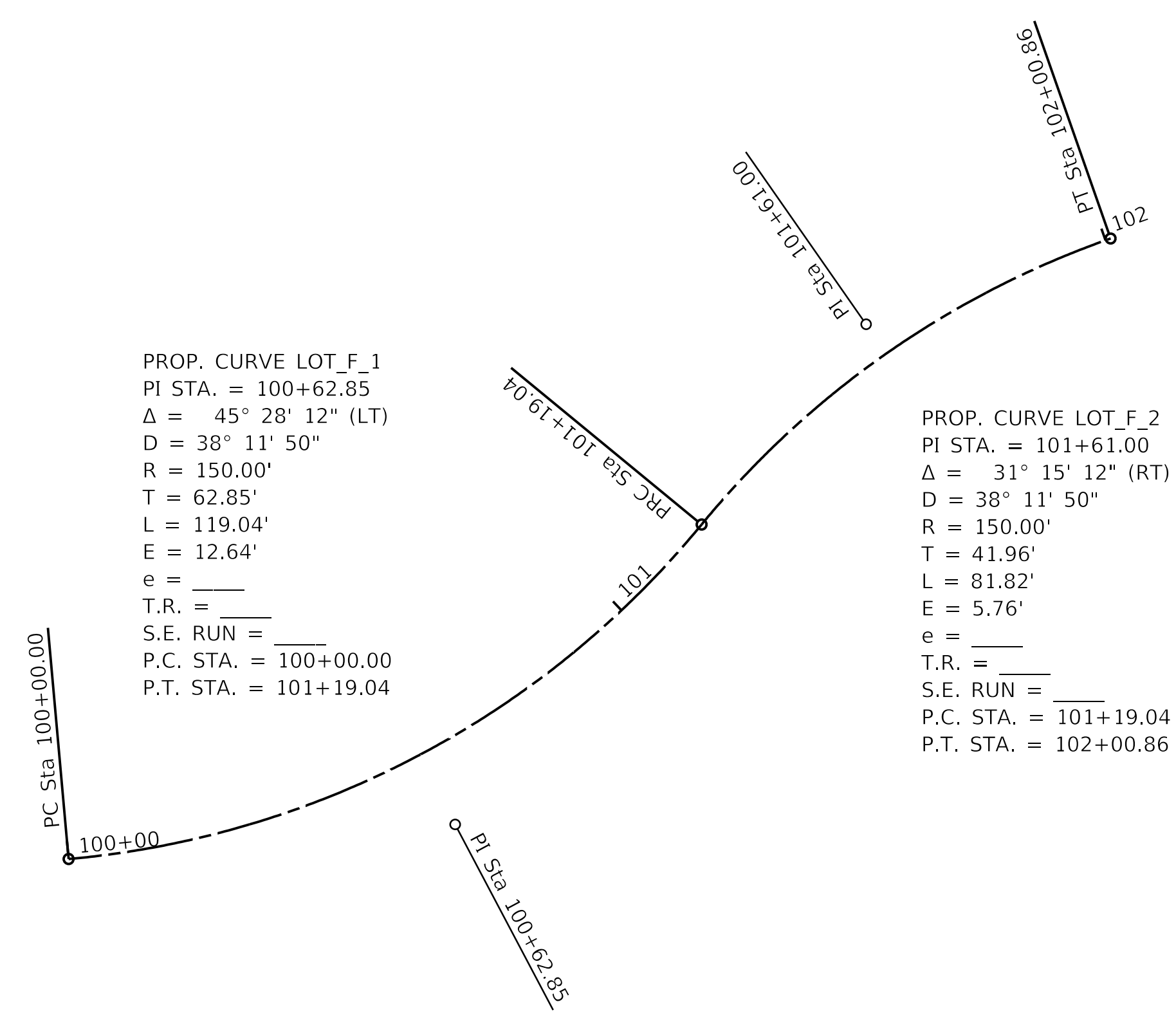


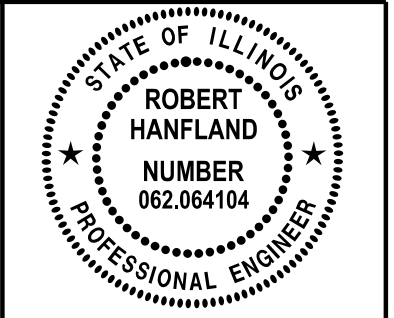
NEW PODESTA DRIVE ALIGNMENT AT LOT F

STATION	OFFSET	NORTHING	EASTING	POINT ID
100+00.00	0'	1,000,736.358	970,902.280	PC
101+19.04	0'	1,000,790.513	971,004.796	PRC
102+00.86	0'	1,000,836.812	971,071.029	PT

PROP. CURVE LOT\_F\_1  
 PI STA. = 100+62.85  
 $\Delta = 45^\circ 28' 12''$  (LT)  
 D = 38° 11' 50"  
 R = 150.00'  
 T = 62.85'  
 L = 119.04'  
 E = 12.64'  
 e = \_\_\_\_\_  
 T.R. = \_\_\_\_\_  
 S.E. RUN = \_\_\_\_\_  
 P.C. STA. = 100+00.00  
 P.T. STA. = 101+19.04

PROP. CURVE LOT\_F\_2  
 PI STA. = 101+61.00  
 $\Delta = 31^\circ 15' 12''$  (RT)  
 D = 38° 11' 50"  
 R = 150.00'  
 T = 41.96'  
 L = 81.82'  
 E = 5.76'  
 e = \_\_\_\_\_  
 T.R. = \_\_\_\_\_  
 S.E. RUN = \_\_\_\_\_  
 P.C. STA. = 101+19.04  
 P.T. STA. = 102+00.86





ROBERT HANFLAND  
 NUMBER 062.064104  
 PROFESSIONAL ENGINEER

EXPIRES 11/30/2019

DATE: 3/29/2019

CDI #: R3427

DESIGNED BY: DMM

DRAWN BY: DMM

CHECKED BY: RLH

DATE	REVISIONS

REV. NO.	REMARKS



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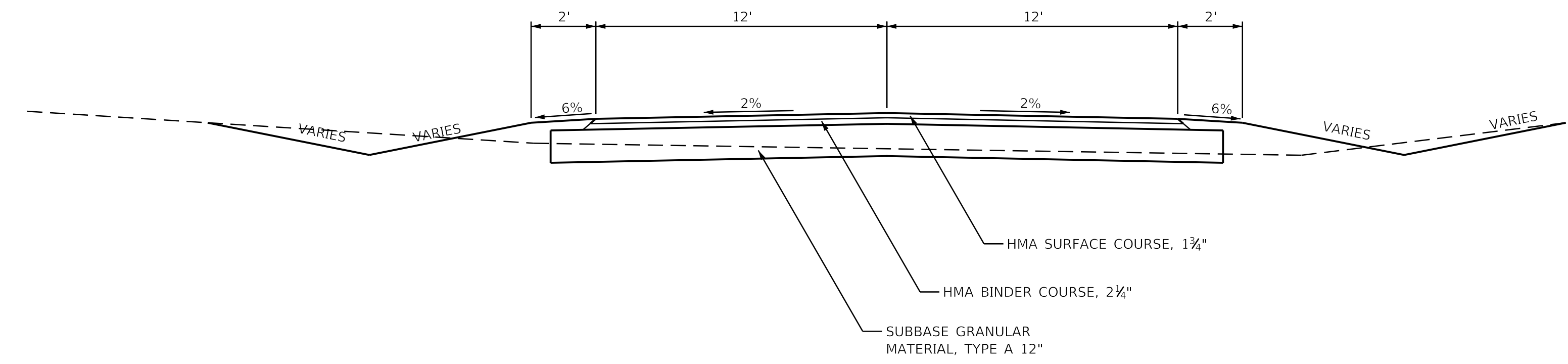
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 Design Firm  
 License #184.003222

DETAILS  
 LAKE LAND COLLEGE  
 NEW PARKING LOT ISLANDS

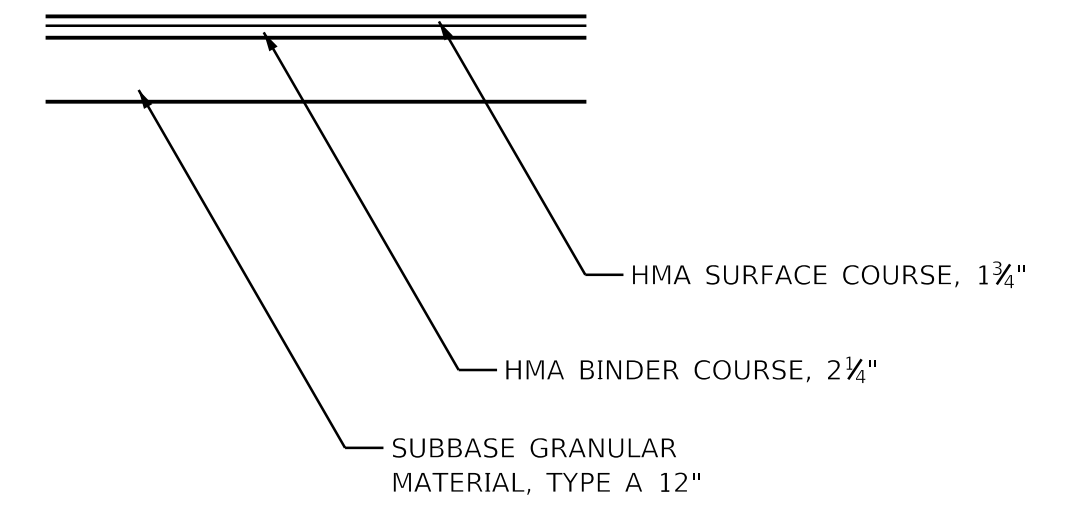
SHEET NO.

C12

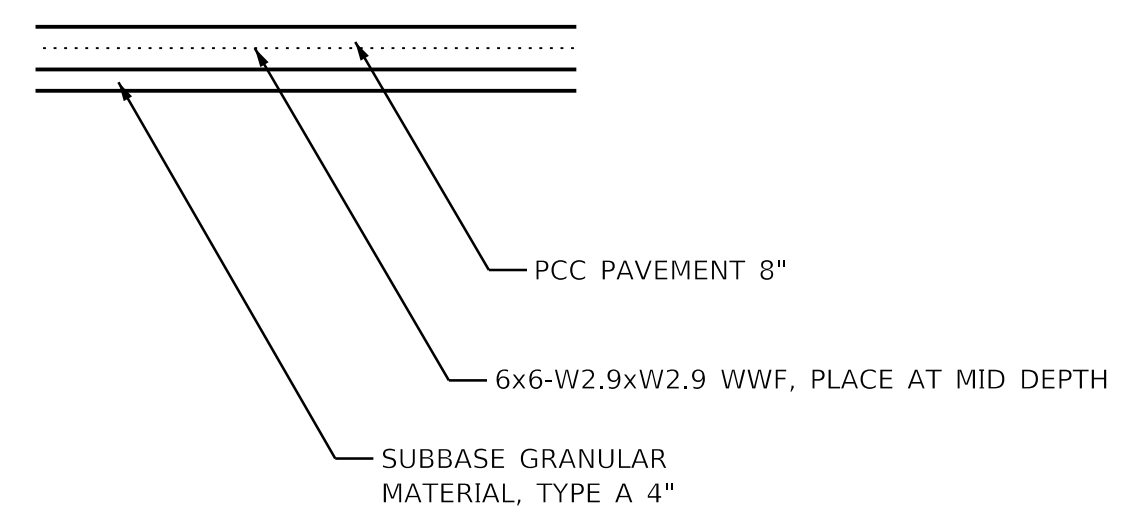
REV. 0



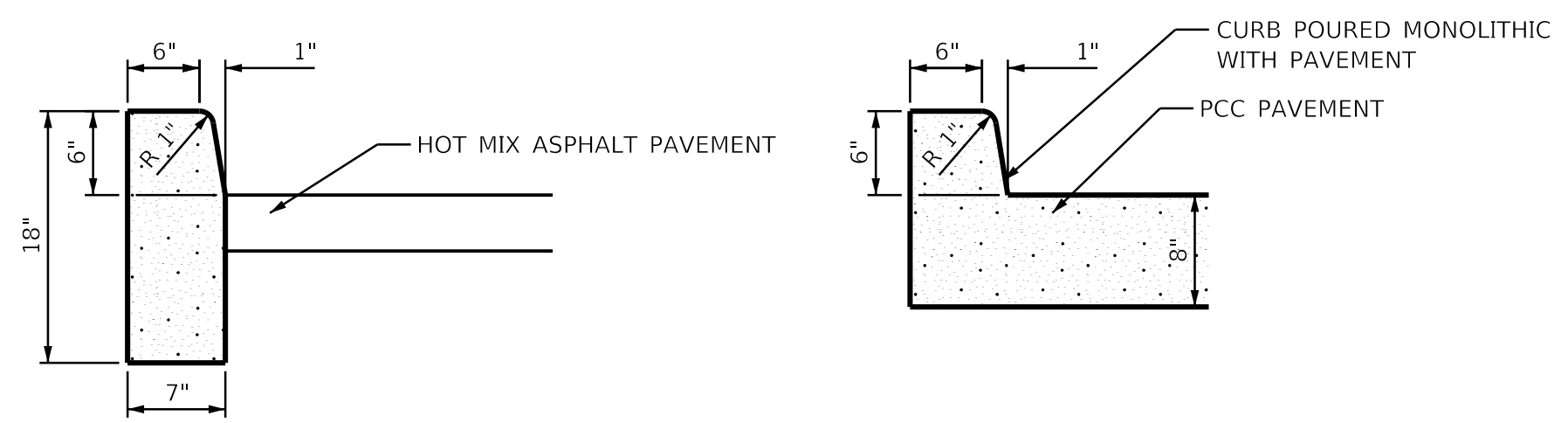
**A** PROPOSED TYPICAL SECTION (ALTERNATE)  
 NOT TO SCALE



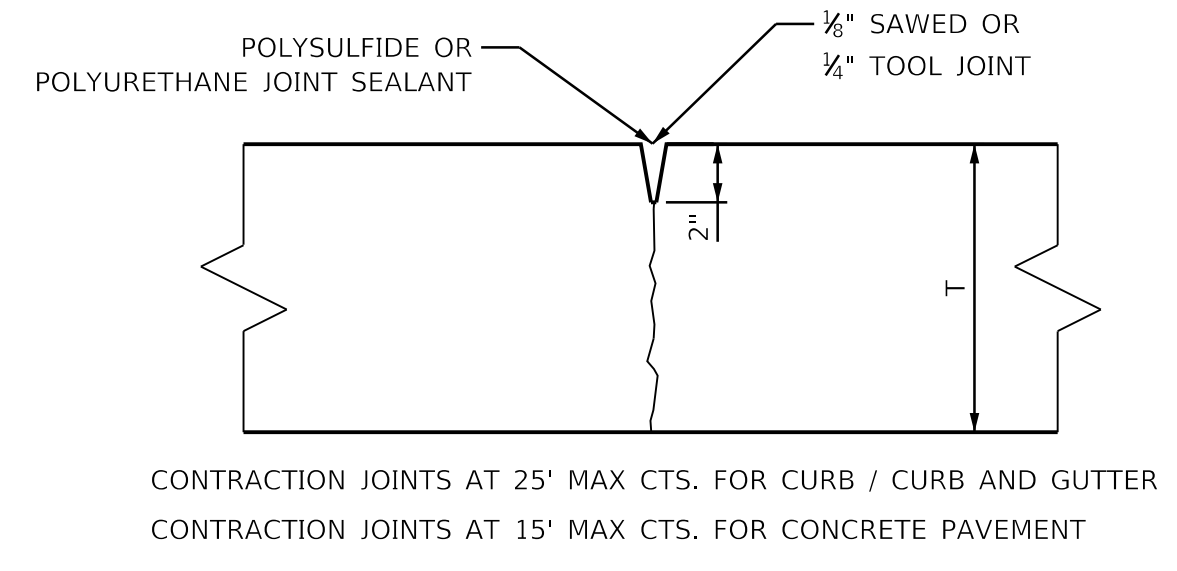
**B** HOT MIX ASPHALT PAVEMENT DETAIL  
 NOT TO SCALE



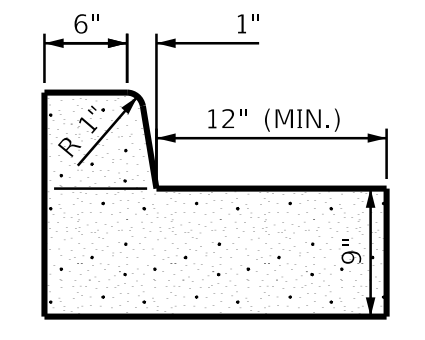
**C** PORTLAND CEMENT CONCRETE PAVEMENT DETAIL  
 NOT TO SCALE



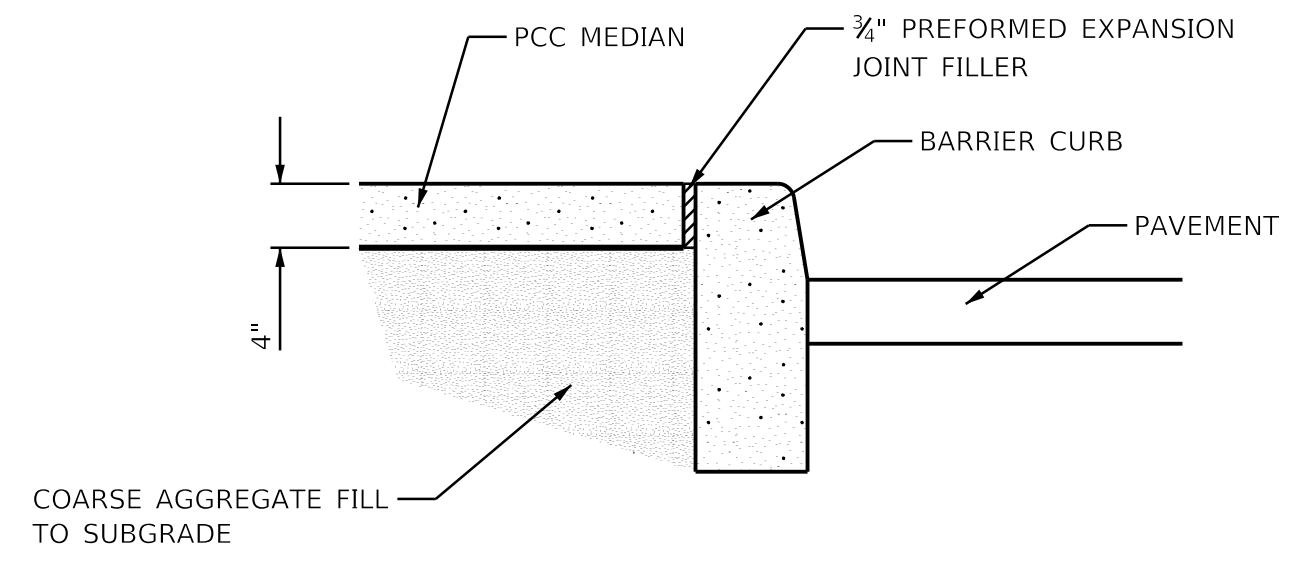
**D** PORTLAND CEMENT CONCRETE BARRIER CURB  
 NOT TO SCALE



**E** CONTRACTION JOINT  
 NOT TO SCALE



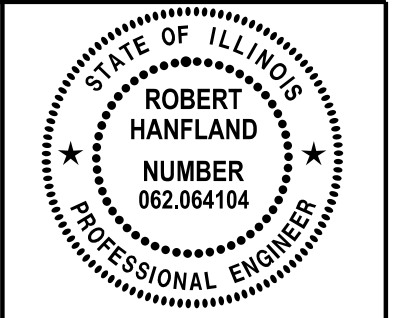
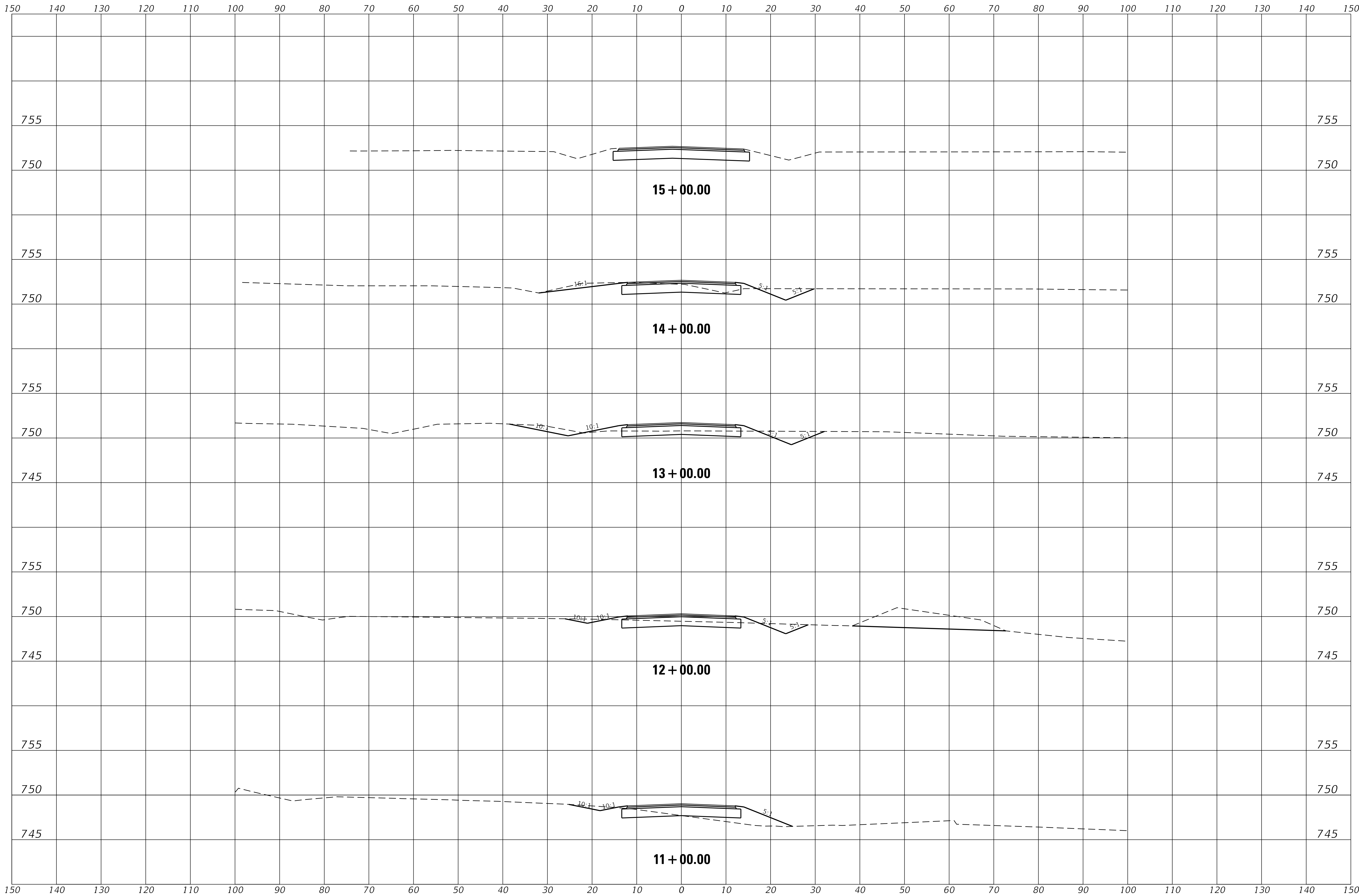
**F** PORTLAND CEMENT CONCRETE CURB AND GUTTER  
 NOT TO SCALE



**G** PORTLAND CEMENT CONCRETE MEDIAN  
 NOT TO SCALE

HOT MIX ASPHALT MIXTURE REQUIREMENT TABLE		
MIXTURE USE	BINDER COURSE	SURFACE COURSE
PG GRADE	PG 64-22, N70	PG 64-22, N70
DESIGN AIR VOIDS	4.0% @ N=70	4.0% @ N=70
MIXTURE COMPOSITION	IL 19.0	IL 9.5
FRICTION AGGREGATE		MIXTURE C

THE UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURE QUANTITIES IS: 112 LBS/SQ YD/INCH  
 BITUMINOUS MATERIALS (PRIME COAT) APPLICATION RATE IS: 0.50 GAL/SQ YD  
 FOG COAT APPLICATION RATE IS: 0.07 GAL/SQ YD



*Robert Hanfland*  
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 Effingham, IL 62401  
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ALTERNATE - CROSS SECTIONS  
 LAKE LAND COLLEGE  
 NEW PARKING LOT ISLANDS

SHEET NO.  
**C13**