

ADDENDUM NO. 2

All Plan Holders of Record and Interested Parties			
Clinton County Law Center Parking Lot			
24036			
November 11, 2024			
10:00 AM, November 7, 2024 2:00 PM, November 14, 2024			

The following additions, revisions, corrections, and clarifications contained herein shall become part of the Construction Contract Documents for the Project and shall be included in the Scope of Work and Bid Proposals to be submitted. References made below to Specifications and Construction Drawings shall be used as a general guide only. Bidders shall determine for themselves the full scope of work affected by the Addendum items.

The following Addendum is part of the Construction Contract Documents dated October 22, 2024.

This Addendum consists of the following:

Addendum No. 2 - 3 Pages

CHANGES TO THE TECHNICAL SPECIFICATIONS:

ARCHITECTUAL

- 1. Section 002000 Instructions to Bidders:
 - a. Replace the section with the document attached.
- 2. Section 004300 Bid Proposal Submittal Checklist:
 - a. Replace the section with the document attached.
- 3. Section 005100 Construction Schedule & Liquidated Damages:
 - a. Replace the section with the document attached.
- 4. Section 017329 Cutting & Patching
 - a. Eliminate this specification section & reference the Civil & Structural documents.

STRUCTURAL

- 1. Section 033000 Cast-in-Place Concrete:
 - a. 2.8.C Normal-weight concrete used for interior slabs on grade:
 - i. Amend 4. Air Content to Do not use an air-entraining admixture or allow total

air content to exceed 3 percent for concrete used in trowel-finished floors.

- b. 3.8 Finishing Floors and Slabs:
 - i. Add item D. Trowel Finish:
 - 1. After applying float finish, apply first troweling and consolidate concrete by hand or power-driven trowel.
 - 2. Continue troweling passes and restraighten until surface is free of trowel marks and uniform in texture and appearance.
 - 3. Grind smooth any surface defects that would telegraph through applied coatings or floor coverings.
 - 4. Do not add water to concrete surface.
 - 5. Do not apply hard-troweled finish to concrete, which has a total air content greater than 3 percent.

QUAD CITIES OFFICE

5405 Utica Ridge Road, #200 Davenport, IA 52807 origindesign.com

800 556-4491

Clinton County Law Center Parking Lot Addendum 2 Page 2 of 3



- 6. Finish surfaces to the following tolerances, in accordance with ASTM E1155, for a randomly trafficked floor surface:
 - a. Slabs on Ground:
 - i. Finish and measure surface so gap at any point between concrete surface and an unleveled, freestanding, 10-ft. long straightedge resting on two high spots and placed anywhere on the surface does not exceed 3/16 inch and also no more than 1/16 inch in 2 feet.

CHANGES TO THE CONSTRUCTION DOCUMENTS:

- 1. S1.1 Foundation Plan and Schedule
 - a. Detail 1 Maintenance Building Foundation Plan:
 - i. Modify top of footing elevation to -3'-4''.
 - ii. Modify foundation plan note 2 to allow hard trowel slab finish.
- 2. S6.1 Typical Structural Details
 - a. Detail 11 Typical Foundation Wall:
 - i. Modify wall height.
 - b. Detail 12 Typical Stoop Section:
 - i. Modify wall height.
- 3. G0.03 Notes
 - a. Clarified subgrade preparation note. Note #2 under Paving section.
- 4. C1.20 Proposed Conditions
 - a. Additional Bollard by building
 - b. Added estimate of quantities
 - c. Added Sand/Oil Interceptor to sanitary line.
 - d. Clarified pavement patch notes
 - e. Updated sidewalk dimension.
 - f. Added Tree
- 5. C2.10 Erosion Control
 - a. Added limits of Topsoil, Seed, Fertilize, and Mulch
- 6. C5.01 Sanitary Details
 - a. Added 780 Gal Sand/Oil Interceptor detail.
- 7. C5.10 Sanitary Plan and Profile
 - a. Added Sand/Oil Interceptor to plan and profile.
- 8. C6.01 Paving and Storm Sewer Details
 - a. Added clarification to Detail 1.
- 9. C6.20 Paving Plan
 - a. Revised elevations.

ATTACHMENTS:

Specification Section 002000 Instructions to Bidders Specification Section 004300 Bid Proposal Submittal Checklist Specification Section 005100 Construction Schedule & Liquidated Damages Specification Section 033000 Cast-In-Place Concrete Bidding Q&A Tracking log Civil Sheets: G0.03, C1.20, C2.10, C5.01, C5.10, C6.01, and C6.20 Structural Sheets: S1.1 and S6.1

QUAD CITIES OFFICE 5405 Utica Ridge Road, #200 Davenport, IA 52807

origindesign.com

800 556-4491

Clinton County Law Center Parking Lot Addendum 2 Page 3 of 3



It is required to acknowledge this addendum on the Bid Proposal Form.







11/11/2024

Date My license renewal date is December 31, 2025 Pages or sheets covered by this seal: Plan Sheets G0.03, C1.20, C2.10, C5.01, C5.10, C6.01, & C6.20

END OF ADDENDUM NO. 2

QUAD CITIES OFFICE 5405 Utica Ridge Road, #200 Davenport, IA 52807

origindesign.com

800 556-4491

INSTRUCTIONS TO BIDDERS SECTION 002000

DOCUMENTS

Copies of the Construction Bidding Documents may be obtained by contacting Clinton Printing Company, 1402 Roosevelt Street, Clinton, IA 52732, (563) 242-7895. A deposit of \$250.00 per set of documents or receipt of AGC, AMC, AMEC, MBI or NECA card is required. Deposits will be refunded upon return of the Construction Bidding Documents in good condition within fourteen (14) days after the bid opening.

Copies of the Construction Bidding Documents may be viewed at the Office of the Auditor, Clinton County Administration Building, 1900 N 3rd St, Clinton, IA.

Project information will also be posted on the County's website at www.clintoncounty-ia.gov

The County requests non-bidders to return documents as soon as possible before bid opening.

EXAMINATION

Bidders shall use complete sets of Bidding Documents in preparing Bids. Examine the documents and the construction site to obtain first-hand knowledge of existing conditions. Extra compensation will not be given for conditions that can be determined by examining the documents and site.

Bidders are cautioned to be alert for the possibility of missing Project Manual pages. In all cases, pages are numbered consecutively within each section, and "END OF SECTION" identifies the final page of each section.

QUESTIONS AND INTERPRETATIONS

Submit questions about the Bidding Documents to Origin Design in writing. Replies will be issued to Document holders of record as Addenda to the Drawings and Specifications and will become part of the Bidding Documents. The Architect and Owner will not be responsible for oral clarification.

Failure to request clarification will not waive the responsibility of comprehension of the documents and performance of the work in accordance with the intent of the documents. Signing of the Agreement will be considered as implicitly denoting thorough comprehension of intent of the Bidding Documents.

PRODUCT OPTIONS

To obtain approval to use an unspecified product, deliver written requests to the Architect at least seven (7) days before the bid date. Late requests will not be considered. Clearly describe and indicate the product for which approval is requested, including data, clearly marked necessary to demonstrate acceptability. Written request must indicate the section number, page number and line number of the Specification for the request of the product being made. If the product is acceptable, the Architect will approve it in an Addendum issued to plan holders on record.

SITE INSPECTION

Each Bidder should visit the site(s) and/or building(s) of the proposed work and fully acquaint themselves with the existing conditions relating to the project and should inform themselves as to the facilities involved, the difficulties and the restrictions attending the performance of the Contract. The Bidder shall thoroughly examine and familiarize themselves with the specifications and all other Construction Documents. The Contractor by the execution of the Contract shall in no way be relieved of any obligation under it due to his failure to receive or examine any form or legal instrument or to visit the site and acquaint themselves with the conditions there existing and the County will be justified in rejecting any claim based on facts regarding which he should have been on notice as a result thereof.

PRE-BID INFORMATION

Prospective Bidders may contact Matt Lancaster, Maintenance Manager, Clinton County Building Maintenance, Clinton County Courthouse, 612 North 2nd Street, Clinton, Iowa 52732; phone #(563) 321-1760 or by email: <u>mlancaster@gapa911.us</u>. Each prospective bidder is encouraged to attend the Pre-Bid Construction Conference to be held at 10:00 a.m. on November 1st, 2024, at the Clinton County Law Center, 241 Seventh Avenue North, Clinton, Iowa. Attendance by prospective bidders is not mandatory but highly recommended.

PREPARATION OF BIDS

- a. All bids must be submitted on the Bid Proposal Form supplied by the County and bound in the Construction Documents Manual. Bid amounts shall be both written and printed in the space provided. In case of conflicts between figures, the written amount will prevail. All bids shall be subject to all requirements of the Construction Documents including INSTRUCTIONS TO BIDDERS. All Bids must be regular in every respect and no interlineations, excisions or special conditions shall be made or included in the Bid Form by the Bidder.
- b. Bid Documents including the Bid Proposal Form, Bidder Status Form and Bid Bond, shall be enclosed in a sealed envelope and clearly labeled with the project name, name of Bidder, and date and time of bid opening in order to guard against premature opening of the Bid.
- c. The County may consider as irregular any Bid on which there is an alteration of or departure from the Bid Form(s) hereto attached and at its option may reject the same.
- d. If the Contract is awarded, it will be awarded by the County to a responsible Bidder on the basis of the Bid most favorable to the County. The Contract will require the completion of work according to the Construction Documents.
- e. Each Bidder shall include in his bid, in the appropriate spaces therefore, the proposed cost of performing said work in compliance with the Construction Documents including all items of labor, equipment, materials and overhead.

BID SECURITY

Bidders are referred to the Bid Proposal Schedule executed by the Bidder and an acceptable surety; or a cashier's or certified check payable to the County Treasurer, Clinton County, Iowa, drawn on a bank of Iowa or a bank chartered under the laws of the United States, in the amount of five percent (5%) of the bid submitted as security that the Bidder will enter into a contract for doing the work and will give bond with proper securities for the faithful performance of the contract in the form attached to the specifications.

CORRECTIONS

Erasures or other changes in the Bid must be explained or noted over the signature of the Bidder.

SALES TAX

The bidder should <u>not</u> include sales tax in its bid. A sales tax exemption certificate will be available for all material purchased for incorporation in the project.

TIME FOR RECEIVING BIDS

Bids received prior to the time of opening will be securely kept unopened. The officer whose duty it is to open them will decide when the specified time has arrived, and no Bid received thereafter will be considered.

OPENING OF BIDS

At the time and place fixed for the opening of Bids, the County will cause to be opened and publicly read aloud every Bid received within the time set for receiving Bids, irrespective of any irregularities, therein, Bidders and other persons properly interested may be present, in person or by representative.

WITHDRAWAL OF BIDS

Bids may be withdrawn on written request by the Bidder received prior to the time fixed for opening. The Bid Bond of any bidder withdrawing his Bid in accordance with the foregoing conditions will be returned promptly.

AWARD OF CONTRACTS: REJECTION OF BIDS

- a. The Improvement Contract shall be awarded to the lowest responsible Bidder complying with the conditions of the NOTICE TO BIDDERS provided such Bid is reasonable and it is to the interest of the County to accept it. The County, however, reserves the right to reject any and all Bids and to waive any formality in bids received whenever such rejection or waiver is in the County's interest. The Bidder to whom the award is made shall be notified at the earliest possible date.
- b. The County reserves the right to consider as unqualified to perform the Contract any Bidder who does not habitually perform with his own forces the major portions of the work involved in the completion of the project.

EXECUTION OF CONTRACT: PERFORMANCE, PAYMENT AND MAINTENANCE BOND

- a. Subsequent to the award and within seven (7) days after the prescribed forms are presented for signature, the successful Bidder shall execute and deliver to the County a Contract in the form included in the Construction Documents in such number of copies as the County may require.
- b. Having satisfied all conditions of award as set forth elsewhere in these documents, the successful Bidder shall, within the period specified in Paragraph "a" above, furnish a Contractor's Performance, Payment and Maintenance Bond in the same form that included in the Construction Documents and shall bear the same date as, or a date subsequent to, the date of the Contract. The current power of attorney for the person who signs for any surety company shall be attached to such bond.
- c. The failure of the successful Bidder to execute such Contract and to supply the required bond(s) within seven (7) days after the prescribed forms are presented for signature, or within such extended period as the County may grant, based upon reasons determined sufficient by the County, shall constitute a default, and the County may either award the Contract to the next best responsible Bidder or re-advertise for Bids, and may charge against the Bidder the difference between the amount for which a Contract for the work is subsequently executed, irrespective of whether the amount thus due exceeds the amount of the Bid Bond. If a more favorable bid is received by re-advertising, the defaulting Bidder shall have no claim against the County for a refund.

AMERICAN-MADE EQUIPMENT & PRODUCTS

By virtue of statutory authority, preference will be given to products and provisions grown and produced within the State of Iowa, and to Iowa domestic labor, to the extent lawfully required under Iowa statutes. Equipment or products authorized to be purchased with federal funding awarded for this contract must be American-made to the maximum extent feasible, in accordance with Public Law 103-121, Sections 606 (a) and (b).

NONDISCRIMINATION

In carrying out the project, the Contractor shall not discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin, age or disability. All businesses, including minority owned, female owned, or small businesses are encouraged to participate.

END OF SECTION 002000

BID PROPOSAL SUBMITTAL CHECKLIST SECTION 004300

CLINTON COUNTY LAW CENTER PARKING LOT

Checking your bid submittal, before filing, against the following checklist will assist preventing minor errors or omissions, which could result in disqualifications of your bid because of technicalities.

1. Bid Proposal must be submitted on forms provided:

BID PROPOSAL FORM Bidder Status Form Bid Bond

- 2. Acknowledge receipt of all addendum(s) on Bid Proposal.
- 3. Bid Proposal must be SIGNED by an authorized agent.
- 4. Bid Proposal must be accompanied by a BID BOND in an amount not less than five percent (5%) of the bid submitted or Certified check made payable to the "County of Clinton" in an amount not less than five percent (5%) of the bid submitted.

Bid Bond, if used, must be SIGNED by both the bidder and the Surety or Surety's Agent. Signature of Surety's Agent must be supported by accompanying Power of Attorney.

5. Bid Proposals must be submitted in a SEALED envelope, which shall be addressed as follows:

Office of County Auditor Clinton County Administration Building 1900 N. 3rd Street Clinton, Iowa 52732

and shall be clearly labeled as follows:

Clinton County Law Center Parking Lot.

- 6. Sufficient time should be allowed for mailed bids to be delivered by normal Postal operation. Late bids will not be considered.
- 7. Bid must not be qualified in any way or contain any reservations not made optional in the Bid Form provided to bidders.

This SPECIAL NOTICE is issued as a reminder against common irregularities in bids and is not a Contract Document.

END OF SECTION 004300

Origin Design Project No. 24036 - ADDENDUM #2

CONSTRUCTION SCHEDULE AND LIQUIDATED DAMAGES SECTION 005100

CLINTON COUNTY LAW CENTER PARKING LOT

Work herein provided for shall be commenced within 10 days after the Notice to Proceed has been issued and shall be complete by a date as noted below.

Work on the SITE shall commence within thirty (30) days after the Notice to Proceed has been issued. The contractor shall work with the Owner and Architect to determine an equitable completion date. The contractor shall schedule and conduct a preconstruction meeting where the schedule showing dates and timelines for each portion of the project will be presented. This schedule must be approved by the owner prior to the start of work. If the contractor cannot achieve substantial completion by the agreed schedule date, the Contractor shall pay the County \$1,000.00 per day liquidated damages for each day until substantial completion is determined by the owner & architect. These Liquidated Damages are not a penalty but are predetermined and agreed liquidated damage. The Contractor will be separately invoiced for this amount, and final payment will be withheld until payment has been made of this invoice.

The assessment of liquidated damages shall not constitute a waiver of the County's right to collect any additional damages which the County may sustain by failure of the Contractor to carry out the terms of his contract.

The project will be phased into 3 parts. The schedule will be as follows:

- Phase I: Building Foundation & All Underground Work
 - Start: November 28th, 2024 End: April 15th, 2025
- Phase II: Erection of the building by the owner
 Start: May 1st, 2025 End: August 1st, 2025
- Phase III: Parking lot paving and all remaining site concrete & final grading
 Start: August 15th, 2025 End: October 15th, 2025

An extension of the contract period may be granted by the County for any of the following reasons:

- 1. Additional work resulting from a modification of the plans.
- 2. Delays caused by the County.
- 3. Other reasons beyond the control of the Contractor, which in the County's opinion, would justify such extension. Such as weather or unforeseen conditions.
- 4. Delays on receiving & erecting the building.

The General Contractor shall apply for the extension in writing at least 10 days prior to the projected completion date.

END OF SECTION 005100

SECTION 033000 - CAST-IN-PLACE CONCRETE

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Cast-in-place concrete, including concrete materials, mixture design, placement procedures, and finishes.
- B. Related Requirements:
 - 1. Section 031000 "Concrete Forming and Accessories" for form-facing materials, form liners, insulating concrete forms, and waterstops.
 - 2. Section 032000 "Concrete Reinforcing" for steel reinforcing bars and welded-wire reinforcement.
 - 3. Section 312000 "Earth Moving" for drainage fill under slabs-on-ground.
 - 4. Section 321313 "Concrete Paving" for concrete pavement and walks.

1.2 DEFINITIONS

- A. Cementitious Materials: Portland cement alone or in combination with one or more of the following: blended hydraulic cement, fly ash, slag cement, other pozzolans, and silica fume; materials subject to compliance with requirements.
- B. Water/Cement Ratio (w/cm): The ratio by weight of water to cementitious materials.

1.3 ACTION SUBMITTALS

- A. Product Data: For each of the following.
 - 1. Portland cement.
 - 2. Fly ash.
 - 3. Aggregates.
 - 4. Admixtures:
 - a. Include limitations of use, including restrictions on cementitious materials, supplementary cementitious materials, air entrainment, aggregates, temperature at time of concrete placement, relative humidity at time of concrete placement, curing conditions, and use of other admixtures.
 - 5. Fiber reinforcement.
 - 6. Vapor retarders.
 - 7. Curing materials.
 - a. Include documentation from color pigment manufacturer, indicating that proposed methods of curing are recommended by color pigment manufacturer.

- 8. Joint fillers.
- 9. Repair materials.
- B. Design Mixtures: For each concrete mixture, include the following:
 - 1. Mixture identification.
 - 2. Minimum 28-day compressive strength.
 - 3. Durability exposure class.
 - 4. Maximum w/cm.
 - 5. Calculated equilibrium unit weight, for lightweight concrete.
 - 6. Slump limit.
 - 7. Air content.
 - 8. Nominal maximum aggregate size.
 - 9. Synthetic micro-fiber content.
 - 10. Indicate amounts of mixing water to be withheld for later addition at Project site if permitted.
 - 11. Submit alternate design mixtures when characteristics of materials, Project conditions, weather, test results, or other circumstances warrant adjustments.
- 1.4 DELIVERY, STORAGE, AND HANDLING
 - A. Comply with ASTM C94/C94M and ACI 301.
- 1.5 FIELD CONDITIONS
 - A. Cold-Weather Placement: Comply with ACI 301 and ACI 306.1 and as follows.
 - 1. Protect concrete work from physical damage or reduced strength that could be caused by frost, freezing actions, or low temperatures.
 - 2. When average high and low temperature is expected to fall below 40 deg F for three successive days, maintain delivered concrete mixture temperature within the temperature range required by ACI 301.
 - 3. Do not use frozen materials or materials containing ice or snow.
 - 4. Do not place concrete in contact with surfaces less than 35 deg F, other than reinforcing steel.
 - 5. Do not use calcium chloride, salt, or other materials containing antifreeze agents or chemical accelerators unless otherwise specified and approved in mixture designs.
 - B. Hot-Weather Placement: Comply with ACI 301 and ACI 305.1, and as follows:
 - 1. Maintain concrete temperature at time of discharge to not exceed 95 deg F.
 - 2. Fog-spray forms, steel reinforcement, and subgrade just before placing concrete. Keep subgrade uniformly moist without standing water, soft spots, or dry areas.

PART 2 - PRODUCTS

2.1 CONCRETE, GENERAL

A. ACI Publications: Comply with ACI 301 unless modified by requirements in the Contract Documents.

2.2 CONCRETE MATERIALS

- A. Source Limitations:
 - 1. Obtain all concrete mixtures from a single ready-mixed concrete manufacturer for entire Project.
 - 2. Obtain each type or class of cementitious material of the same brand from the same manufacturer's plant.
 - 3. Obtain aggregate from single source.
 - 4. Obtain each type of admixture from single source from single manufacturer.
- B. Cementitious Materials:
 - 1. Portland Cement: ASTM C150/C150M, Type I/II , gray .
 - 2. Fly Ash: ASTM C618, Class C or F.
 - 3. Slag Cement: ASTM C989/C989M, Grade 100 or 120.
 - 4. Blended Hydraulic Cement: ASTM C595/C595M, Type IL, portland-limestone cement.
 - 5. Silica Fume: ASTM C1240 amorphous silica.
- C. Normal-Weight Aggregates: ASTM C33/C33M, Class 3S coarse aggregate or better, graded. Provide aggregates from a single source.
 - 1. Alkali-Silica Reaction: Comply with one of the following:
 - a. Expansion Result of Aggregate: Not more than 0.04 percent at one-year when tested in accordance with ASTM C1293.
 - b. Expansion Results of Aggregate and Cementitious Materials in Combination: Not more than 0.10 percent at an age of 16 days when tested in accordance with ASTM C1567.
 - c. Alkali Content in Concrete: Not more than 4 lb./cu. yd. for moderately reactive aggregate or 3 lb./cu. yd. for highly reactive aggregate, when tested in accordance with ASTM C1293 and categorized in accordance with ASTM C1778, based on alkali content being calculated in accordance with ACI 301.
 - 2. Maximum Coarse-Aggregate Size: 3/4 inch nominal.
 - 3. Fine Aggregate: Free of materials with deleterious reactivity to alkali in cement.
- D. Air-Entraining Admixture: ASTM C260/C260M.
- E. Chemical Admixtures: Certified by manufacturer to be compatible with other admixtures that do not contribute water-soluble chloride ions exceeding those permitted in hardened concrete. Do not use calcium chloride or admixtures containing calcium chloride.

- 1. Water-Reducing Admixture: ASTM C494/C494M, Type A.
- 2. Retarding Admixture: ASTM C494/C494M, Type B.
- 3. Water-Reducing and -Retarding Admixture: ASTM C494/C494M, Type D.
- 4. High-Range, Water-Reducing Admixture: ASTM C494/C494M, Type F.
- 5. High-Range, Water-Reducing and -Retarding Admixture: ASTM C494/C494M, Type G.
- 6. Plasticizing and Retarding Admixture: ASTM C1017/C1017M, Type II.
- F. Water and Water Used to Make Ice: ASTM C94/C94M, potable

2.3 VAPOR RETARDERS

A. Sheet Vapor Retarder, Class C: ASTM E1745, Class C ; not less than 15 mils thick. Include manufacturer's recommended adhesive or pressure-sensitive joint tape.

2.4 CURING MATERIALS

- A. Evaporation Retarder: Waterborne, monomolecular film forming, manufactured for application to fresh concrete.
- B. Absorptive Cover: AASHTO M 182, Class 2, burlap cloth made from jute or kenaf, weighing approximately 9 oz./sq. yd. when dry.
- C. Moisture-Retaining Cover: ASTM C171, polyethylene film burlap-polyethylene sheet.
 - 1. Color:
 - a. Ambient Temperature Below 50 deg F: Black.
 - b. Ambient Temperature between 50 deg F and 85 deg F: Any color.
 - c. Ambient Temperature Above 85 deg F: White.
- D. Water: Potable or complying with ASTM C1602/C1602M.
- E. Clear, Waterborne, Membrane-Forming, Dissipating Curing Compound: ASTM C309, Type 1, Class B.

2.5 RELATED MATERIALS

- A. Expansion- and Isolation-Joint-Filler Strips: ASTM D1751, asphalt-saturated cellulosic fiber.
- B. Semirigid Joint Filler: Two-component, semirigid, 100 percent solids, epoxy resin with a Type A shore durometer hardness of 80 in accordance with ASTM D2240.
- C. Bonding Agent: ASTM C1059/C1059M, Type II, nonredispersible, acrylic emulsion or styrene butadiene.

2.6 REPAIR MATERIALS

- A. Repair Overlayment: Cement-based, polymer-modified, self-leveling product that can be applied in thicknesses from 1/4 inch and that can be filled in over a scarified surface to match adjacent floor elevations.
 - 1. Cement Binder: ASTM C150/C150M portland cement or hydraulic or blended hydraulic cement, as defined in ASTM C219.
 - 2. Primer: Product of topping manufacturer recommended for substrate, conditions, and application.
 - 3. Aggregate: Well-graded, washed gravel, 1/8 to 1/4 inch or coarse sand as recommended by topping manufacturer.
 - 4. Compressive Strength: Not less than 5000 psi at 28 days when tested in accordance with ASTM C109/C109M.

2.7 CONCRETE MIXTURES, GENERAL

- A. Prepare design mixtures for each type and strength of concrete, proportioned on the basis of laboratory trial mixture or field test data, or both, in accordance with ACI 301.
 - 1. Use a qualified testing agency for preparing and reporting proposed mixture designs, based on laboratory trial mixtures.
- B. Cementitious Materials: Limit percentage, by weight, of cementitious materials other than portland cement in concrete as follows:
 - 1. Fly Ash or Other Pozzolans: 25 percent by mass.
 - 2. Slag Cement: 50 percent by mass.
 - 3. Silica Fume: 10 percent by mass.
 - 4. Total of Fly Ash or Other Pozzolans, Slag Cement, and Silica Fume: 50 percent by mass, with fly ash or pozzolans not exceeding 25 percent by mass and silica fume not exceeding 10 percent by mass.
 - 5. Total of Fly Ash or Other Pozzolans and Silica Fume: 35 percent by mass with fly ash or pozzolans not exceeding 25 percent by mass and silica fume not exceeding 10 percent by mass.
- C. Admixtures: Use admixtures in accordance with manufacturer's written instructions.
 - 1. Use water-reducing admixture in concrete, as required, for placement and workability.
 - 2. Use water-reducing and -retarding admixture when required by high temperatures, low humidity, or other adverse placement conditions.
 - 3. Use water-reducing admixture in pumped concrete, and concrete with a w/cm below 0.50.

2.8 CONCRETE MIXTURES

A. Class A: Normal-weight concrete used for footings.

- 1. Exposure Class: ACI 318 F1 S0 W1 C0 .
- 2. Minimum Compressive Strength: 4000 psi at 28 days.
- 3. Air Content:
 - a. Exposure Class F1: 5.0 percent, plus or minus 1.5 percent at point of delivery for concrete containing 3/4-inch nominal maximum aggregate size .
- 4. Limit water-soluble, chloride-ion content in hardened concrete to 1.00 percent by weight of cement.
- B. Class B: Normal-weight concrete used for foundation walls.
 - 1. Exposure Class: ACI 318 F3 S0 W1 C1.
 - 2. Minimum Compressive Strength: 4500 psi at 28 days.
 - 3. Air Content:
 - a. Exposure Classes F2 and F3: 6 percent, plus or minus 1.5 percent at point of delivery for concrete containing 3/4-inch nominal maximum aggregate size.
 - 4. Limit water-soluble, chloride-ion content in hardened concrete to 0.30 percent by weight of cement.
- C. Class C: Normal-weight concrete used for interior slabs-on-ground.
 - 1. Exposure Class: ACI 318 F1 S0 W1 C0.
 - 2. Minimum Compressive Strength: 4000 psi at 28 days.
 - 3. Minimum Cementitious Materials Content: 540 lb/cu. yd.
 - 4. Air Content:
 - a. Do not use an air-entraining admixture or allow total air content to exceed 3 percent for concrete used in trowel-finished floors.
 - 5. Limit water-soluble, chloride-ion content in hardened concrete to 1.00 percent by weight of cement.

2.9 CONCRETE MIXING

A. Ready-Mixed Concrete: Measure, batch, mix, and deliver concrete in accordance with ASTM C94/C94M, and furnish batch ticket information.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verification of Conditions:
 - 1. Before placing concrete, verify that installation of concrete forms, accessories, and reinforcement, and embedded items is complete and that required inspections have been performed.
 - 2. Do not proceed until unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Provide reasonable auxiliary services to accommodate field testing and inspections, acceptable to testing agency, including the following:
 - 1. Daily access to the Work.
 - 2. Incidental labor and facilities necessary to facilitate tests and inspections.
 - 3. Secure space for storage, initial curing, and field curing of test samples, including source of water and continuous electrical power at Project site during site curing period for test samples.
 - 4. Security and protection for test samples and for testing and inspection equipment at Project site.

3.3 INSTALLATION OF EMBEDDED ITEMS

- A. Place and secure anchorage devices and other embedded items required for adjoining Work that is attached to or supported by cast-in-place concrete.
 - 1. Use setting drawings, templates, diagrams, instructions, and directions furnished with items to be embedded.
 - 2. Install anchor rods, accurately located, to elevations required and complying with tolerances in Section 7.5 of ANSI/AISC 303.
 - 3. Install reglets to receive waterproofing and to receive through-wall flashings in outer face of concrete frame at exterior walls, where flashing is shown at lintels, shelf angles, and other conditions.

3.4 INSTALLATION OF VAPOR RETARDER

- A. Sheet Vapor Retarders: Place, protect, and repair sheet vapor retarder in accordance with ASTM E1643 and manufacturer's written instructions.
 - 1. Install vapor retarder with longest dimension parallel with direction of concrete pour.
 - 2. Face laps away from exposed direction of concrete pour.
 - 3. Lap vapor retarder over footings and grade beams not less than 6 inches, sealing vapor retarder to concrete.
 - 4. Lap joints 6 inches and seal with manufacturer's recommended tape.
 - 5. Terminate vapor retarder at the top of floor slabs, grade beams, and pile caps, sealing entire perimeter to floor slabs, grade beams, foundation walls, or pile caps.
 - 6. Seal penetrations in accordance with vapor retarder manufacturer's instructions.
 - 7. Protect vapor retarder during placement of reinforcement and concrete.
 - a. Repair damaged areas by patching with vapor retarder material, overlapping damages area by 6 inches on all sides, and sealing to vapor retarder.
- B. Bituminous Vapor Retarders: Place, protect, and repair bituminous vapor retarder in accordance with manufacturer's written instructions.

3.5 JOINTS

- A. Construct joints true to line, with faces perpendicular to surface plane of concrete.
- B. Construction Joints: Coordinate with floor slab pattern and concrete placement sequence.
 - 1. Install so strength and appearance of concrete are not impaired, at locations indicated on Drawings or as approved by Architect.
 - 2. Place joints perpendicular to main reinforcement.
 - a. Continue reinforcement across construction joints unless otherwise indicated.
 - b. Do not continue reinforcement through sides of strip placements of floors and slabs.
 - 3. Form keyed joints as indicated. Embed keys at least 1-1/2 inches into concrete.
 - 4. Locate joints for beams, slabs, joists, and girders at third points of spans. Offset joints in girders a minimum distance of twice the beam width from a beam-girder intersection.
 - 5. Locate horizontal joints in walls and columns at underside of floors, slabs, beams, and girders and at the top of footings or floor slabs.
 - 6. Space vertical joints in walls as indicated on Drawings. Unless otherwise indicated on Drawings, locate vertical joints beside piers integral with walls, near corners, and in concealed locations where possible.
 - 7. Use a bonding agent at locations where fresh concrete is placed against hardened or partially hardened concrete surfaces.
 - 8. Use epoxy-bonding adhesive at locations where fresh concrete is placed against hardened or partially hardened concrete surfaces.
- C. Control Joints in Slabs-on-Ground: Form weakened-plane control joints, sectioning concrete into areas as indicated. Construct control joints for a depth equal to at least one-fourth of concrete thickness as follows:
 - 1. Grooved Joints: Form control joints after initial floating by grooving and finishing each edge of joint to a radius of 1/8 inch. Repeat grooving of control joints after applying surface finishes. Eliminate groover tool marks on concrete surfaces.
 - 2. Sawed Joints: Form control joints with power saws equipped with shatterproof abrasive or diamond-rimmed blades. Cut 1/8-inch- wide joints into concrete when cutting action does not tear, abrade, or otherwise damage surface and before concrete develops random cracks.
- D. Dowel Plates: Install dowel plates at joints where indicated on Drawings.

3.6 CONCRETE PLACEMENT

- A. Before placing concrete, verify that installation of formwork, reinforcement, embedded items, and vapor retarder is complete and that required inspections are completed.
 - 1. Immediately prior to concrete placement, inspect vapor retarder for damage and deficient installation, and repair defective areas.

- 2. Provide continuous inspection of vapor retarder during concrete placement and make necessary repairs to damaged areas as Work progresses.
- B. Notify Architect and testing and inspection agencies 24 hours prior to commencement of concrete placement.
- C. Before test sampling and placing concrete, water may be added at Project site, subject to limitations of ACI 301, but not to exceed the amount indicated on the concrete delivery ticket.
 - 1. Do not add water to concrete after adding high-range water-reducing admixtures to mixture.
- D. Deposit concrete continuously in one layer or in horizontal layers of such thickness that no new concrete is placed on concrete that has hardened enough to cause seams or planes of weakness.
 - 1. If a section cannot be placed continuously, provide construction joints as indicated.
 - 2. Deposit concrete to avoid segregation.
 - 3. Deposit concrete in horizontal layers of depth not to exceed formwork design pressures and in a manner to avoid inclined construction joints.
 - 4. Consolidate placed concrete with mechanical vibrating equipment in accordance with ACI 301.
 - a. Do not use vibrators to transport concrete inside forms.
 - b. Insert and withdraw vibrators vertically at uniformly spaced locations to rapidly penetrate placed layer and at least 6 inches into preceding layer.
 - c. Do not insert vibrators into lower layers of concrete that have begun to lose plasticity.
 - d. At each insertion, limit duration of vibration to time necessary to consolidate concrete, and complete embedment of reinforcement and other embedded items without causing mixture constituents to segregate.
- E. Deposit and consolidate concrete for floors and slabs in a continuous operation, within limits of construction joints, until placement of a panel or section is complete.
 - 1. Do not place concrete floors and slabs in a checkerboard sequence.
 - 2. Consolidate concrete during placement operations, so concrete is thoroughly worked around reinforcement and other embedded items and into corners.
 - 3. Maintain reinforcement in position on chairs during concrete placement.
 - 4. Screed slab surfaces with a straightedge and strike off to correct elevations.
 - 5. Level concrete, cut high areas, and fill low areas.
 - 6. Slope surfaces uniformly to drains where required.
 - 7. Begin initial floating using bull floats or darbies to form a uniform and open-textured surface plane, before excess bleedwater appears on the surface.
 - 8. Do not further disturb slab surfaces before starting finishing operations.

3.7 FINISHING FORMED SURFACES

A. As-Cast Surface Finishes:

- 1. ACI 301 Surface Finish SF-2.0: As-cast concrete texture imparted by form-facing material, arranged in an orderly and symmetrical manner with a minimum of seams.
 - a. Patch voids larger than 3/4 inch wide or 1/2 inch deep.
 - b. Remove projections larger than 1/4 inch.
 - c. Patch tie holes.
 - d. Surface Tolerance: ACI 117 Class B.
 - e. Locations: Apply to concrete surfaces exposed to public view, .
- B. Related Unformed Surfaces:
 - 1. At tops of walls, horizontal offsets, and similar unformed surfaces adjacent to formed surfaces, strike off smooth and finish with a color and texture matching adjacent formed surfaces.
 - 2. Continue final surface treatment of formed surfaces uniformly across adjacent unformed surfaces unless otherwise indicated.

3.8 FINISHING FLOORS AND SLABS

- A. Comply with ACI 302.1R recommendations for screeding, restraightening, and finishing operations for concrete surfaces. Do not wet concrete surfaces.
- B. Float Finish:
 - 1. When bleedwater sheen has disappeared and concrete surface has stiffened sufficiently to permit operation of specific float apparatus, consolidate concrete surface with power-driven floats or by hand floating if area is small or inaccessible to power-driven floats.
 - 2. Repeat float passes and restraightening until surface is left with a uniform, smooth, granular texture and complies with ACI 117 tolerances for conventional concrete.
 - 3. Apply float finish to surfaces.
- C. Broom Finish: Apply a broom finish to exterior concrete platforms, steps, ramps, and locations indicated on Drawings.
 - 1. Immediately after float finishing, slightly roughen trafficked surface by brooming with fiber-bristle broom perpendicular to main traffic route.
 - 2. Coordinate required final finish with Architect before application.
- D. Trowel Finish:
 - 1. After applying float finish, apply first troweling and consolidate concrete by hand or power-driven trowel.
 - 2. Continue troweling passes and restraighten until surface is free of trowel marks and uniform in texture and appearance.
 - 3. Grind smooth any surface defects that would telegraph through applied coatings or floor coverings.
 - 4. Do not add water to concrete surface.
 - 5. Do not apply hard-troweled finish to concrete, which has a total air content greater than 3 percent.

- 6. Finish surfaces to the following tolerances, in accordance with ASTM E1155, for a randomly trafficked floor surface:
 - a. Slabs on Ground:
 - 1) Finish and measure surface so gap at any point between concrete surface and an unleveled, freestanding, 10-ft. long straightedge resting on two high spots and placed anywhere on the surface does not exceed 3/16 inch and also no more than 1/16 inch in 2 feet.

3.9 INSTALLATION OF MISCELLANEOUS CONCRETE ITEMS

- A. Filling In:
 - 1. Fill in holes and openings left in concrete structures after Work of other trades is in place unless otherwise indicated.
 - 2. Mix, place, and cure concrete, as specified, to blend with in-place construction.
 - 3. Provide other miscellaneous concrete filling indicated or required to complete the Work.

3.10 CONCRETE CURING

- A. Protect freshly placed concrete from premature drying and excessive cold or hot temperatures.
 - 1. Comply with ACI 301 and ACI 306.1 for cold weather protection during curing.
 - 2. Comply with ACI 301 and ACI 305.1 for hot-weather protection during curing.
 - 3. Maintain moisture loss no more than 0.2 lb/sq. ft. x h before and during finishing operations.
- B. Curing Formed Surfaces: Comply with ACI 308.1 as follows:
 - 1. Cure formed concrete surfaces, including underside of beams, supported slabs, and other similar surfaces.
 - 2. Cure concrete containing color pigments in accordance with color pigment manufacturer's instructions.
 - 3. If forms remain during curing period, moist cure after loosening forms.
 - 4. If removing forms before end of curing period, continue curing for remainder of curing period, as follows:
 - a. Continuous Fogging: Maintain standing water on concrete surface until final setting of concrete.
 - b. Continuous Sprinkling: Maintain concrete surface continuously wet.
 - c. Absorptive Cover: Pre-dampen absorptive material before application; apply additional water to absorptive material to maintain concrete surface continuously wet.
 - d. Water-Retention Sheeting Materials: Cover exposed concrete surfaces with sheeting material, taping, or lapping seams.
 - e. Membrane-Forming Curing Compound: Apply uniformly in continuous operation by power spray or roller in accordance with manufacturer's written instructions.

- 1) Recoat areas subject to heavy rainfall within three hours after initial application.
- 2) Maintain continuity of coating and repair damage during curing period.
- C. Curing Unformed Surfaces: Comply with ACI 308.1 as follows:
 - 1. Begin curing immediately after finishing concrete.
 - 2. Interior Concrete Floors:
 - a. Floors to Receive Floor Coverings Specified in Other Sections: Contractor has option of the following:
 - 1) Absorptive Cover: As soon as concrete has sufficient set to permit application without marring concrete surface, install prewetted absorptive cover over entire area of floor.
 - a) Lap edges and ends of absorptive cover not less than 12 inches.
 - b) Maintain absorptive cover water saturated, and in place, for duration of curing period, but not less than seven days.
 - 2) Moisture-Retaining-Cover Curing: Cover concrete surfaces with moisture-retaining cover for curing concrete, placed in widest practicable width, with sides and ends lapped at least 12 inches, and sealed by waterproof tape or adhesive.
 - a) Immediately repair any holes or tears during curing period, using cover material and waterproof tape.
 - b) Cure for not less than seven days.
 - 3) Ponding or Continuous Sprinkling of Water: Maintain concrete surfaces continuously wet for not less than seven days, utilizing one, or a combination of, the following:
 - a) Water.
 - b) Continuous water-fog spray.
 - b. Floors to Receive Penetrating Liquid Floor Treatments: Contractor has option of the following:
 - 1) Absorptive Cover: As soon as concrete has sufficient set to permit application without marring concrete surface, install prewetted absorptive cover over entire area of floor.
 - a) Lap edges and ends of absorptive cover not less than 12 inches.
 - b) Maintain absorptive cover water saturated, and in place, for duration of curing period, but not less than seven days.
 - 2) Moisture-Retaining-Cover Curing: Cover concrete surfaces with moisture-retaining cover for curing concrete, placed in widest practicable width, with sides and ends lapped at least 12 inches, and sealed by waterproof tape or adhesive.
 - a) Immediately repair any holes or tears during curing period, using cover material and waterproof tape.
 - b) Cure for not less than seven days.
 - 3) Ponding or Continuous Sprinkling of Water: Maintain concrete surfaces continuously wet for not less than seven days, utilizing one, or a combination of, the following:
 - a) Water.
 - b) Continuous water-fog spray.
 - c. Floors to Receive Curing and Sealing Compound:

- 1) Apply uniformly to floors and slabs indicated in a continuous operation by power spray or roller in accordance with manufacturer's written instructions.
- 2) Recoat areas subjected to heavy rainfall within three hours after initial application.
- 3) Repeat process 24 hours later, and apply a second coat. Maintain continuity of coating, and repair damage during curing period.

3.11 TOLERANCES

A. Conform to ACI 117.

3.12 JOINT FILLING

- A. Prepare, clean, and install joint filler in accordance with manufacturer's written instructions.
 - 1. Defer joint filling until concrete has aged at least six month(s).
 - 2. Do not fill joints until construction traffic has permanently ceased.
- B. Remove dirt, debris, saw cuttings, curing compounds, and sealers from joints; leave contact faces of joints clean and dry.
- C. Install semirigid joint filler full depth in saw-cut joints and at least 2 inches deep in formed joints.
- D. Overfill joint, and trim joint filler flush with top of joint after hardening.

3.13 CONCRETE SURFACE REPAIRS

- A. Defective Concrete:
 - 1. Repair and patch defective areas when approved by Architect.
 - 2. Remove and replace concrete that cannot be repaired and patched to Architect's approval.
- B. Patching Mortar: Mix dry-pack patching mortar, consisting of 1 part portland cement to 2-1/2 parts fine aggregate passing a No. 16 sieve, using only enough water for handling and placing.
- C. Repairing Formed Surfaces: Surface defects include color and texture irregularities, cracks, spalls, air bubbles, honeycombs, rock pockets, fins and other projections on the surface, and stains and other discolorations that cannot be removed by cleaning.
 - 1. Immediately after form removal, cut out honeycombs, rock pockets, and voids more than 1/2 inch in any dimension to solid concrete.
 - a. Limit cut depth to 3/4 inch.
 - b. Make edges of cuts perpendicular to concrete surface.

- c. Clean, dampen with water, and brush-coat holes and voids with bonding agent.
- d. Fill and compact with patching mortar before bonding agent has dried.
- e. Fill form-tie voids with patching mortar or cone plugs secured in place with bonding agent.
- 2. Repair defects on surfaces exposed to view by blending white portland cement and standard portland cement, so that, when dry, patching mortar matches surrounding color.
 - a. Patch a test area at inconspicuous locations to verify mixture and color match before proceeding with patching.
 - b. Compact mortar in place and strike off slightly higher than surrounding surface.
- 3. Repair defects on concealed formed surfaces that will affect concrete's durability and structural performance as determined by Architect.
- D. Repairing Unformed Surfaces:
 - 1. Test unformed surfaces, such as floors and slabs, for finish, and verify surface tolerances specified for each surface.
 - a. Correct low and high areas.
 - b. Test surfaces sloped to drain for trueness of slope and smoothness; use a sloped template.
 - 2. Repair finished surfaces containing surface defects, including spalls, popouts, honeycombs, rock pockets, crazing, and cracks in excess of 0.01 inch wide or that penetrate to reinforcement or completely through unreinforced sections regardless of width, and other objectionable conditions.
 - 3. After concrete has cured at least 14 days, correct high areas by grinding.
 - Correct localized low areas during, or immediately after, completing surfacefinishing operations by cutting out low areas and replacing with patching mortar.
 a. Finish repaired areas to blend into adjacent concrete.
 - 5. Correct other low areas scheduled to receive floor coverings with a repair underlayment.
 - a. Prepare, mix, and apply repair underlayment and primer in accordance with manufacturer's written instructions to produce a smooth, uniform, plane, and level surface.
 - b. Feather edges to match adjacent floor elevations.
 - 6. Correct other low areas scheduled to remain exposed with repair topping.
 - a. Cut out low areas to ensure a minimum repair topping depth of 1/4 inch to match adjacent floor elevations.
 - b. Prepare, mix, and apply repair topping and primer in accordance with manufacturer's written instructions to produce a smooth, uniform, plane, and level surface.
 - 7. Repair defective areas, except random cracks and single holes 1 inch or less in diameter, by cutting out and replacing with fresh concrete.
 - a. Remove defective areas with clean, square cuts, and expose steel reinforcement with at least a 3/4-inch clearance all around.
 - b. Dampen concrete surfaces in contact with patching concrete and apply bonding agent.
 - c. Mix patching concrete of same materials and mixture as original concrete, except without coarse aggregate.
 - d. Place, compact, and finish to blend with adjacent finished concrete.

- e. Cure in same manner as adjacent concrete.
- 8. Repair random cracks and single holes 1 inch or less in diameter with patching mortar.
 - a. Groove top of cracks and cut out holes to sound concrete, and clean off dust, dirt, and loose particles.
 - b. Dampen cleaned concrete surfaces and apply bonding agent.
 - c. Place patching mortar before bonding agent has dried.
 - d. Compact patching mortar and finish to match adjacent concrete.
 - e. Keep patched area continuously moist for at least 72 hours.
- E. Perform structural repairs of concrete, subject to Architect's approval, using epoxy adhesive and patching mortar.
- F. Repair materials and installation not specified above may be used, subject to Architect's approval.
- 3.14 PROTECTION
 - A. Protect concrete surfaces as follows:
 - 1. Protect from petroleum stains.
 - 2. Diaper hydraulic equipment used over concrete surfaces.
 - 3. Prohibit vehicles from interior concrete slabs.
 - 4. Prohibit use of pipe-cutting machinery over concrete surfaces.
 - 5. Prohibit placement of steel items on concrete surfaces.
 - 6. Prohibit use of acids or acidic detergents over concrete surfaces.
 - 7. Protect liquid floor treatment from damage and wear during the remainder of construction period. Use protective methods and materials, including temporary covering, recommended in writing by liquid floor treatments installer.
 - 8. Protect concrete surfaces scheduled to receive surface hardener or polished concrete finish using Floor Slab Protective Covering.

END OF SECTION 033000

Clinton County Law Center Parking Lot - Bidding Q&A Tracking Log

Notes

Highlighted text boxes have language that differs from the original Pre-bid notes. These answers superceed the original notes and are included in addendum #2

ltem Number	Request From	Date Received	Description	Ball in Court	Status - Answer	Date Closed	Posted in Addendum
1	Lancaster	1-Nov	Quantities and or measurements of parking lot, or estimated concrete in parking lot and estimated material removal for subgrade?	Civil	These will be provided as part of the addendum #2.	11-Nov	
2	Lancaster	1-Nov	Wall height of building foundation. (there was a drawing on S6.1, only labeled "typical foundation." Wasn't sure if that was what they were going for, A 5'8" wall height??? I found that to be odd, plus a double rebar mat in a 8 inch wall, a 4 ft foundation wall is the standard. Also, i believe there is bedrock below that depth	Structural	The wall height will be shortened in addendum #2	11-Nov	
3	Lancaster	1-Nov	There was mention of a trench drain in the floor of the building. Does that get hooked up to sanitary? or where does that go?	Origin	The trench drains in the Storage Building will be hooked up with the Sanitary Sewer. Tis will also require a small grease & oil seperator.	11-Nov	
4	Lancaster	1-Nov	There is mention of a testing and inspection allowance of \$5K. Is that for field testing of concrete and soil samples?	Architecture	Any services performed by the Geotechnical Engineer: as in Concrete Testing, Compaction, etc.	11-Nov	
5	Lancaster	1-Nov	I know that a lot gravel was brought in for the current parking lot. Is the plan to core down 12 inches and rebuild the subgrade as well? Engineers notes on S1.1 stated that we are to verify with engineer condition of subgrade but give no specifics of quantities of materials to be moved? Can your team elaborate places?	Civil	The intention is to provide the cross section indicated on Detail 1 Sheet C6.01. Contractor to include to core down and prepare the subgrade as indicated. Please also see note 2. Under the Paving section on sheet G0.03. Existing stone may be used for modified subbase if it is tested and meets the specifications.	11-Nov	
6	Tschiggfrie	4-Nov	There is a testing allowance of \$5,00.00. There are several types of testing tha will be done such as trench compaction, PCC ready mix maturity (will need a mix design), and any other miscellaneous testing that will be needed. What items are included in this amount, and Who is responsible for paying for these items if they exceed the approved \$5000.00 amount	Origin	Any services performed by the Geotechnical Engineer: as in Concrete Testing, Compaction, etc. This is an allowance. If the testing is more than what the allowance is, a change order will be issued, if there is unused testing at the end of the project, the owner will be credited.	11-Nov	
7	Tschiggfrie	4-Nov	Who pays for Traffic Control? Road and lane closures for excavating the connection to existing sanitary and PCC Pavement patching work along 7th Ave N and N 3rd St within the city street:	Origin	This should all be the responsibility of the General Contractor.	11-Nov	
8	Tschiggfrie	4-Nov	Who is responsible for paying for topsoil and seeding?	Origin	The general contract will provide top soil & final grading in the areas not paved. There is no landscaping or seeding included.	11-Nov	
9	Tschiggfrie	4-Nov	Pavement markings are shown in plans. Is this item included in this project or future after the building is constructed? Also Who is responsible for installing ADA Parking signs and wheelchair parking symbols paint markings if they are included in this project?	Civil	All pavement marking will be the responsibility of the General Contractor.	11-Nov	
10	Tschiggfrie	4-Nov	Who is responsible for installing the landscaping?The plans show trees	Civil	There is no landscaping included in the project. No trees.	11-Nov	
11	Tschiggfrie	4-Nov	Cast in Anchors. Who is responsible for the purchasing, location of each anchor, and installing? Foundation plans Note 4 calls to be installed prior to pouring foundation.	Structural	Cast in anchors will be eliminated from the project. All anchorage will be provided by the building contractor.	11-Nov	
12	Clinton Engeneering	4-Nov	Trench Drain Installation. What is included in this project? Is the 6" PVC sanitary getting capped and buried under slab, or is a clean out being installed?	Civil	The trench drians will be installed and cast into place as part of phase I.	11-Nov	
13	Clinton Engeneering	5-Nov	I just wanted to confirm the patching detail on the plans for this opportunity. Per C1.20, in various locations it calls for 5' PAVEMENT PATCH. Also, in the specifications CUTTING AND PATCHING 17329-2 it calls for patching to use materials identical to in-place materials. Of course there are HMA patches that need to be completed, but also some PCC patches. Is it a good assumption that the PCC patches are full depth?	Civil	Assume full depth	11-Nov	
14	Clinton Engeneering	5-Nov	Is it also a good assumption that seeding, and tree installation is within this scope of the project?	Origin	There is no landscaping included in the project. No trees.	11-Nov	
15	Clinton Engeneering	6-Nov	The instruction to bidders calls out to include BID FORMS 1A and 1B (plus bid bond) please confirm what documents these should be as they are not labeled.	Architecture	The reference to separate bid forms will be eliminated. There is one bid form for the project	11-Nov	
16	Clinton Engeneering	on ering 6-Nov Specifications call for allowance for testing. Please clarify what should be included		Architecture	Any services performed by the Geotechnical Engineer: as in Concrete Testing Compaction, etc. This is an allowance. If the testing is more than what the allowance is, a change order will be issued, if there is unused testing at the end of the project, the owner will be credited.	11-Nov	

11/11/2025

17	Clinton Engeneering	6-Nov	Will the owner disconnect power prior to project commencement?	Architecture	This will be the responsibility of the General Contractor to coordinate and include in their bid.	11-Nov	
18	Tschiggfrie	6-Nov	Is there a sub drain around the building and parking lot plan per the #12 detail on S6.1?	Civil	No	11-Nov	
19	Portzen	8-Nov	I am just reviewing the specifications for the above project and have on∉ question – the specifications refer to Bid Form 1A and Bid Form 1B? There is not an actual bid form that has it indicated like that. I am assuming the bid form is as in the specifications – 004113-1 and 04113-2	Architecture	The reference to separate bid forms will be eliminated. There is one bid form for the project	11-Nov	
20	Prebid	1-Nov	The site contains varying depths of crushed limestone on the surface. How should this be addressed?		Contractors should assume the entire site needs to be excavated down 24" and then built back up 12" minimum. Rock from the site can be tested and reused if it meets the specified requirements.	11-Nov	
21	Prebid	1-Nov	Will the interior trench drain connect to the sanitary service?		Yes, the trench drain will be connected to city sanitary service. It will need to have an oil/water separator installed when the building is constructed. An oil/water separator WILL BE part of this project scope. The information on the Oil/water seperator will be included in Addendum #2.	11-Nov	
22	Prebid	1-Nov	Is the building superstructure a part of this project?		No, only the site work paving, and building foundation and slab are a part of this project scope. The building superstructure will be bid out separately by Clinton County. Per structural note#4 on sheet S1.1, the successful bidder will need to coordinate with theowner to determine the correct anchor bolt locations based on the owner's building design. Depending on the superstructure design, the anchors may need to be adjusted for the design loads	11-Nov	
23	Prebid	1-Nov	Will exposed anchor bolts in the foundation need to be protected?		Cast-in-place anchor bolts (if necessary) may need to be protected as in normal building projects. Lead times for the building construction will determine if additional anchor bolt protection is necessary.	11-Nov	
24	Prebid	1-Nov	Will a geotechnical report be provided?		No geotechnical reports will be provided.	11-Nov	
25	Prebid	1-Nov	Can a hard trowel finish be used on the interior building slab?		Addendum #2 addresses the change to a hard-trowled finish on the interior slabs	11-Nov	
26	Prebid	1-Nov	Is there an estimated number of contract working days?		There is no estimate of working days. The completion date has been modified in 001000 NOTICE TO BIDDERS and will be October 15, 2025. Liquidated Damages will be in effect after that date except as modified by extensions approved by the owner.	11-Nov	
27	Prebid	1-Nov	Where are concrete reinforcing notes located for the slab and footings?		See structural notes #1, #2, and #3 on sheet S1.1, the footing schedule on S1.1 details on sheet S6.1, and the concrete specifications in Division 3.	' 11-Nov	
28	Prebid	1-Nov	Are there any unmarked existing underground utilities on the site?		We are only aware of the utilities marked on the civil plans. The site formerly hosted a gas station and private residence. Remediation of the underground fuel storage tanks has been completed by the owner. To the owner's knowledge all utilities to the site have been abandoned.	11-Nov	
29	Prebid	1-Nov	Is pavement marking in the project scope?		Yes, Bidders should include the cost of pavement marking as specified on G0.03 and as shown on the civil plans.	11-Nov	
30							

ALL CONSTRUCTION SHALL BE PER APPLICABLE SECTIONS OF THE LATEST EDITION OF SUDAS STANDARD SPECIFICATIONS, CITY OF CLINTON SUPPLEMENTAL SPECIFICATIONS, AND STANDARD PLANS FOR PRODUCTS AND EXECUTION EXCEPT AS MODIFIED OR SUPERCEDED BY THESE PLANS. THE SUDAS SECTIONS APPLICABLE TO THESE PLANS INCLUDE, BUT MAY NOT BE LIMITED TO, THE FOLLOWING:

GENERAL NOTES

- ALL EXTERIOR TRASH COLLECTION AREAS AND THE MATERIALS CONTAINED THEREIN SHALL BE SCREENED FROM VIEW FROM THE ADJACENT PUBLIC RIGHT-OF-WAY PER THE CITY OF CLINTON UNIFIED DEVELOPMENT CODE
- SITE SIGNAGE REQUIRES A SEPARATE REVIEW PROCESS AND PERMIT FROM CITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL WORK WITH THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING.
- THE CONTRACTOR AGREES THAT IT AND ITS REPRESENTATIVES HAVE VISITED THE SITE AND ARE FAMILIAR WITH THE EXISTING CONDITIONS, AND THE CONTRACTOR AGREES THAT THE EXISTING CONDITIONS ARE ACCURATELY REPRESENTED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE ENGINEER OF ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND THE CONDITIONS REPRESENTED.
- THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL BE RESPONSIBLE FOR ENSURING THAT THE LATEST REVISION OF THE APPROVED PLANS AND ANY ADDENDA ARE AT THE PROJECT SITE AT ALL TIMES AND BEING USED APPROPRIATELY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS FROM THE CITY OF CLINTON OR OTHER APPLICABLE AGENCIES.
- THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGGERS OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPLACE ANY PROPERTY PINS DISTURBED DURING CONSTRUCTION AT THE ENGINEER'S OR SURVEYOR'S REGULAR FEE OR RATE.
- EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATION 10. FROM RECORD INFORMATION OBTAINED FROM SOURCES OF VARYING RELIABILITY AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. EXISTENCE, LOCATION, DEPTH, SIZE OR MATERIAL MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND ENGINEER DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF INFORMATION SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF ALL EXISTING UTILITIES AND SHALL CONTACT ONE CALL PRIOR TO COMMENCING WORK. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL EXISTENCE, LOCATION, DEPTH, SIZE AND MATERIAL OF UNDERGROUND UTILITIES OR OTHER FACILITIES CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS INCURRED AS A RESULT OF THEIR FAILURE TO LOCATE EXISTING UTILITIES AND FACILITIES PRIOR TO COMMENCING WORK. THE ENGINEER MAKES NO GUARANTEE, AND NO WARRANTEE IS IMPLIED, REGARDING THE ACCURACY OR COMPLETENESS OF INFORMATION SHOWN FOR EXISTING UTILITIES AND IMPROVEMENTS.
- 11. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO IMMEDIATELY NOTIFY THE DESIGN ENGINEER UPON DISCOVERY OF ANY FIELD CONFLICTS OR CHANGES IN CONDITIONS. FAILURE TO DO SO UPON DISCOVERY WILL VOID CLAIMS FOR COMPENSATION AS EXTRA WORK FOR THAT WHICH COULD HAVE BEEN MITIGATED HAD THE ENGINEER BEEN NOTIFIED AT TIME OF DISCOVERY.
- ANY PROPOSED REVISIONS TO THESE PLANS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER 12. AND WHEN APPLICABLE, BY THE CITY ENGINEER, PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER, OR CITY ENGINEER, WHERE APPLICABLE. ANY DEVIATIONS OR CHANGES IN THESE PLANS WITHOUT OFFICIAL APPROVAL OF THE DESIGN ENGINEER SHALL ABSOLVE THE DESIGN ENGINEER OF ANY AND ALL RESPONSIBILITY OF SAID DEVIATION OR CHANGE.
- SHOULD IT APPEAR THAT THE WORK TO BE DONE OR ANY MATTER RELATIVE THERETO IS NOT 13. SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY.

EROSION CONTROL

- COMPLY WITH APPLICABLE PROVISIONS OF SUDAS SPECIFICATIONS AND DOCUMENTS, DIVISION 9 -SITEWORK AND LANDSCAPING
- REGULATORY REQUIREMENTS: NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) AND 2. IOWA DEPARTMENT OF NATURAL RESOURCES; GENERAL PERMIT #2.
- MATERIAL PROPERTIES:
 - RIPRAP: IOWA DOT SECTION 4130.02 CLASS A REVETMENT BROKEN LIMESTONE, DOLOMITE, Α. OR QUARTZITE.
 - B. EROSION STONE: IOWA DOT SECTION 4130.05 EROSION STONE - BROKEN LIMESTONE, DOLOMITE, OR QUARTZITE.
 - C. SILT FENCE: IOWA DOT SECTION 4196.01A ENGINEERING FABRIC.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT COVERAGE UNDER NPDES, CONSTRUCTION GENERAL PERMIT #2 PERMIT HAS BE SECURED. DO NOT COMMENCE SITE CLEARING OR GROUND DISTURBING OPERATIONS UNTIL AN NPDES PERMIT HAS BEEN GRANTED.
- 5. PROVIDE TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES TO PREVENT SOIL EROSION AND DISCHARGE OF SOIL-BEARING WATER RUNOFF OR AIRBORNE DUST TO ADJACENT PROPERTIES AND WALKWAYS, ACCORDING TO A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) COMPLYING WITH CODE OF IOWA 161A.64. AS REQUIRED BY THE IOWA DNR. INSPECT. REPAIR. AND MAINTAIN EROSION CONTROL AND SEDIMENTATION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED.
- THE CONTRACTOR SHALL TAKE PREVENTATIVE MEASURES TO CONTROL AIRBORNE DUST AND SHALL BE RESPONSIBLE FOR DAMAGE RESULTING FROM A FAILURE TO DO SO.
- THE CONTRACTOR SHALL KEEP ADJACENT STREETS CLEAN AND FREE OF DIRT OR DEBRIS AT ALL TIMES AND REMOVE ANY TRACKED MUD FROM THE STREET IMMEDIATELY. ALL COSTS FOR SUCH SHALL BE INCLUDED IN THE CONTRACT PRICE AND ANY ADDITIONAL COSTS, FEES OR FINES RESULTING FROM FAILURE TO DO SO SHALL BE PAID BY THE CONTRACTOR.
- DO NOT INTERRUPT UTILITIES SERVING FACILITIES OCCUPIED BY THE OWNER OR OTHERS UNLESS SPECIFICALLY PERMITTED. IF PERMITTED, TEMPORARY UTILITY SERVICES SHALL BE PROVIDED.
- 9 CLEARING AND GRUBBING: REMOVE OBSTRUCTIONS, TREES, SHRUBS, GRASS, AND OTHER VEGETATION AS INDICATED. GRIND STUMPS AND REMOVE ROOTS AND OBSTRUCTIONS TO A MINIMUM DEPTH OF 18 INCHES BELOW THE DESIGN SUBGRADE.
- 10. TOPSOIL STRIPPING: REMOVE SOD AND GRASS BEFORE STRIPPING. STRIP TOPSOIL TO WHATEVER DEPTHS ARE ENCOUNTERED AND STOCKPILE AWAY FROM EDGE OF EXCAVATION. DO NOT STOCKPILE WITHIN TREE PROTECTION ZONES.
- 11. TOPSOIL REPLACEMENT: REPLACE TOPSOIL TO A MINIMUM DEPTH OF 4" OVER ALL DISTURBED AREAS.
- 12. LEGALLY DISPOSE OF SURPLUS SOIL MATERIAL AND WASTE MATERIALS OFF OWNER'S PROPERTY OR AT DESIGNATED DISPOSITION AREA.
- 13. UNLESS OTHERWISE NOTED, ALL EXPOSED SOIL SHALL BE SEEDED WITH TYPE XX SEED.

EARTHWORK AND TRENCHING

- 1. COMPLY WITH APPLICABLE PROVISIONS OF SUDAS SPECIFICATIONS AND DOCUMENTS, DIVISION 2 -EARTHWORK AND DIVISION 3 - TRENCH AND TRENCHLESS CONSTRUCTION.
- 2. EXCAVATIONS SHALL BE ADEQUATELY SHORED, BRACED AND/OR SHEETED SO THAT THE EARTH WILL NOT SLIDE NOR SETTLE AND SO THAT ALL EXISTING IMPROVEMENTS OF ANY KIND WILL BE FULLY PROTECTED FROM DAMAGE. ANY DAMAGE TO ADJACENT IMPROVEMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NECESSARY REPAIRS OR REPLACEMENTS SHALL BE AT THE CONTRACTOR'S OWN EXPENSE.
- 3. UTILITY TRENCH BACKFILL: SHAPE BEDDING COURSE TO PROVIDE CONTINUOUS SUPPORT FOR BELLS, JOINTS, AND BARRELS OF PIPES. PLACE AND COMPACT INITIAL BACKFILL, FREE OF PARTICLES LARGER

THAN 1 INCH IN ANY DIMENSION. PLACE AND COMPACT F USING THE FOLLOWING MATERIALS:

- BUILDING SLABS, WALKS, AND PAVEMENTS: FINAL
- UNDER AND WITHIN 18 INCHES OF FOOTINGS: CON
- ALL OTHER AREAS: SATISFACTORY SOIL-CLASS
- TRENCH CONSTRUCTION MATERIAL PROPERTIES:
- UNSATISFACTORY SOILS (IN ADDITION TO THE REC CLASSIFICATIONS GROUPS OL, CH, MH, OH, AND I SOILS NOT MAINTAINED WITHIN 2 PERCENT OF OP COMPACTION.
- GRANULAR STABILIZATION MATERIAL (2.04.B): 1 BASE MATERIAL, GRADATION 13 WITH CHOKE STC INCLUDED WITH NO MORE THAN 10% PASSING
- BASE COURSE: IOWA DOT SECTION 4120.04 C
- ENGINEERED FILL: IOWA DOT SECTION 4132, S BEDDING MATERIAL:
 - E.1. CLASS I MATERIAL: 1" CLEAN STONE, IDO
- 4131 GRADATION 29. E.2. CLASS II MATERIAL: IDOT SPEC 4133 GRA HAUNCH SUPPORT, PRIMARY & SECONDARY BA
- F.1. CLASS II MATERIAL:
 - F.1.1. 1" CLEAN STONE (CLEANED BU
 - F.1.2. IDOT SPEC 4115, GRADATION
 - F.1.3. IDOT SPEC 4131, GRADATION F.1.4. IDOT SPEC 4133.05, GRADATIO
 - F.1.5. IDOT SPEC 4133.05, GRADATIO
 - F.1.6. IDOT SPEC 4121, GRADATION
 - SECONDARY BACKFILL)
 - F.1.7. IDOT SPEC 4133, GRADATION SECONDARY BACKFILL)
- F.2. GRADATIONS 12A OR 32 MAY NOT BE USE TRENCH MAY CAUSE INSTABILITY.
- F.3. ENGINEERING FABRIC SHALL BE PLACED 3 OR 29 MATERIAL AND BACKFILL CONT
- FINAL BACKFILL MATERIAL
- G.1. CLASS III G.1.1. IDOT SPEC 4121, GRADATION G.1.2. IDOT SPEC 4133, GRADATION G.1.3. ENGINEERING FABRIC SHALL BE GRADATION 3 OR 29 MATERIA G.2. CLASS IV
- G.2.1. SATISFACTORY SOILS (IN ADDI ASTM D 2487 SOIL CLASSIFIC, SC, CL, ML, OR A COMBINATIO GRAVEL LARGER THAN 3 INCH FROZEN MATERIALS, VEGETATIC LIMIT LESS THAN 45; AND A
- OTHER CONSTRUCTION MATERIAL PROPERTIES:
 - IMPERVIOUS FILL: ASTM D 2487, FINE GRAINE AND A PLASTICITY INDEX BETWEEN 10 AND 40, CONDUCTIVITY OF 1X10-6 CM/SEC ACCORDING
 - RIPRAP: IOWA DOT SECTION 4130.02 CLASS / DOLOMITE, OR QUARTZITE.
 - PERFORATED POLYETHYLENE SUBDRAIN: ASTM C CORRUGATED, FOR COUPLED JOINTS.
- 6. A GEOTECHNICAL ENGINEERING REPORT HAS NOT BEEN AND CONSERVATIVE ESTIMATES SHOULD BE USED FOR OTHER SOIL LOADING VALUES FOR FOUNDATION AND R
- PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEME AND OTHER FACILITIES FROM DAMAGE CAUSED BY SET WASHOUT, AND OTHER HAZARDS CAUSED BY EARTHWO FOR REPAIRS TO DAMAGED SURFACES.
- UNIFORMLY GRADE AREAS TO A SMOOTH SURFACE. FRE
- SLOPE GRADES TO DIRECT WATER AWAY FROM BUILDIN PLOW, SCARIFY, BENCH, OR BREAK UP SLOPED SURFA 9.
- VERTICAL SO FILL MATERIAL WILL BOND WITH EXISTING MATERIAL IN LAYERS TO REQUIRED ELEVATION AND AS
- A. UNDER WALKS, PAVEMENTS, BUILDING SLABS, SUBGRADE MATERIALS PER SUDAS SECTION 20
- UNDER ALL OTHER AREAS: SUITABLE EMBANK
- 10. EXCAVATIONS SHALL COMPLY WITH THE FOLLOWING: ALL EXCAVATIONS SHOULD COMPLY WITH THE
 - SUBPART P, "EXCAVATIONS AND TRENCHES" ANI
 - EXCAVATE TO DIMENSIONS AND ELEVATIONS INE FOOTINGS AND FOUNDATIONS: EXCAVATE BY AT BEARING SURFACE PRIOR TO PLACING FOO
 - FROM EXCAVATION, FORMING, ETC. UTILITY TRENCHES: EXCAVATE TRENCHES DEE ALLOW FOR MINIMUM REQUIRED BEDDING COUR EXCAVATE FOR BELL OF PIPE. EXCAVATE TREI BOTTOM TO 12 INCHES HIGHER THAN PIPE OR
- 11. NOTIFY ENGINEER WHEN EXCAVATIONS HAVE REACHED SUBGRADE BELOW THE BUILDING SLABS AND PAVEMEN OF EXCESS YIELDING. DO NOT PROOF-ROLL WET OR DETERMINES THAT UNSATISFACTORY SOIL IS PRESENT, COMPACTED BACKFILL OR FILL MATERIAL AS DIRECTED
 - A. COMPLETELY PROOF-ROLL SUBGRADE IN ONE DIRECTION PERPENDICULAR TO FIRST DIRECTION
 - PROOF-ROLL WITH A LOADED 10-WHEEL, TANDEM-AXLE DUMP TRUCK WEIGHING NOT LESS THAN 15 TONS.
 - EXCAVATE SOFT SPOTS, UNSATISFACTORY SOILS, AND AREAS OF EXCESSIVE PUMPING OR С AS DIRECTED.

INAL BACKFILL TO FINAL SUBGRADE ELEVATION	12.	PLACE BACKFILL ON SUBGRADES FREE OF MUD, FROST, SNOW OR ICE. PLACE AND COMPACT BACKEUL IN EXCAVATIONS PROMPTLY		CITY OF CLIN CALL BUILDIN
AL BACKFILL–CLASS III. INCRETE	13.	PLACE BACKFILL AND FILL SOIL MATERIALS IN LAYERS NOT MORE THAN 8 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT AND NOT MORE THAN 4 INCHES IN		ON 563-589.
IV.	14.	LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS. PLACE BACKFILL AND FILL SOIL MATERIALS EVENLY ON ALL SIDES OF STRUCTURES AND	<u>PA'</u> 1	<u>VING</u> COMPLY WITH
QUIREMENTS OF 2.02.D): ASTM D 2487 SOIL PT, OR A COMBINATION OF THESE GROUPS; OR PTIMUM MOISTURE CONTENT AT TIME OF	15.	UNIFORMLY ALONG THE FULL LENGTH OF EACH STRUCTURE. SUBBASE AND BASE COURSE: SHAPE SUBBASE AND BASE COURSE TO REQUIRED CROWN ELEVATIONS AND CROSS-SLOPE GRADES. FOR SUBBASE OR BASE COURSES LESS THAN 6 INCHES, PLACE IN COMPACTED THICKNESS IN A SINGLE LAYER; FOR SUBBASE OR BASE COURSES GREATER	2.	SUBGRADE PF SITUATION, SI MAYBE CONDI
OWA DOT SECTION 4122.02 MACADAM STONE ONE MATERIAL RETAINED ON A ¾"SIEVE A #200 SIEVE (MODIFIED MACADAM).	16.	WITH NO COMPACTED LAYER LESS THAN 3 INCHES OR GREATER THAN 6 INCHES. CONTRACTOR SHALL NOTIFY PROJECT ENGINEER TO OBTAIN SAMPLES AND PERFORM LABORATORY DENSITY TESTING AND TO CONDUCT COMPACTION TESTS AS REQUIRED. COMPACTION	4.	A. MATER SUBBASE
CLASS A CRUSHED STONE, GRADATION 11. SPECIAL BACKFILL, GRADATION 30.	17.	COMPACT SOIL MATERIALS TO NOT LESS THAN THE FOLLOWING PERCENTAGES OF MAXIMUM DRY UNIT WEIGHT ACCORDING TO STANDARD PROCTOR COMPACTION TEST (ASTM D 698):		A. MATER 30 OR
DT SPEC 4115 GRADATION 3 OR IDOT SPEC		A. DISTURBED AND/OR PLACED MATERIAL UNDER OR WITHIN 5 FEET OF BUILDINGS, STRUCTURES, AND PAVEMENT/SIDEWALK SHALL BE COMPACTED TO AT LEAST 95% OF	5.	B. ALL S REPOF HMA
ADATION 32, IDOT SPEC 4121 GRADATION 12A ACKFILL MATERIAL:		MAXIMUM STANDARD PROCTOR DENSITY. B. UNDER LAWN OR UNPAVED AREAS, SCARIFY AND RECOMPACT TOP 6 INCHES BELOW SUBGRADE AND COMPACT EACH LAYER OF BACKFILL OR FILL SOIL MATERIAL AT 85 REPORT		A. PERFC MINIMU B. COMPI
UT NOT WASHED)	18.	VERIFY THE ALLOWABLE SOIL BEARING CAPACITY AND SUBGRADE MODULUS USED FOR FOUNDATION DESIGN. CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO COMMENCING WITH FORMWORK FOR FIELD	6.	C. REFER
29 DN 35 DN 36 12A (MAY BE USED FOR PRIMARY AND		VERIFICATION OF BEARING CAPACITY. CONTRACTOR SHALL MAKE MODIFICATIONS AS DIRECTED BY THE ENGINEER. MODIFICATIONS INCLUDE, BUT ARE NOT LIMITED TO, OVEREXCAVATION AND REPLACEMENT OF UNSATISFACTORY MATERIAL WITH SUITABLE COMPACTED FILL MATERIAL. FILL MATERIAL FOR OVEREXCAVATED AREAS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER. APPROVED FILL MATERIAL SHOULD BE COMPACTED TO AT LEAST 95 PERCENT OF THE STANDARD PROCTOR DENSITY IN LIFTS OF 9 INCHES OR LESS IN LOOSE THICKNESS OR AS APPROVED BY THE		A. PERFC CONCF B. PROTE HOT T CURIN
32 (MAY BE USED FOR PRIMARY AND	19	VIRGIN SUBSOIL MATERIAL FOR A CONSISTENT, UNIFORM BEARING MATERIAL.		D. PAVEN
SED IN AREAS WHERE WATER CONDITIONS IN	10.	OCCURS BEFORE PROJECT CORRECTION PERIOD ELAPSES, REMOVE FINISHED SURFACING, BACKFILL WITH ADDITIONAL SOIL MATERIAL, COMPACT, AND RECONSTRUCT SURFACE.		D.1. I D.2.
AT THE INTERFACE BETWEEN THE GRADATION TAINING FINES	20.	LEGALLY DISPOSE OF SURPLUS SOIL MATERIAL AND WASTE MATERIALS OFF OWNER'S PROPERTY OR TO DESIGNATED DISPOSITION AREA.		
			<u>PA</u> 1.	UNE STRIPING
12A 32	<u>STO</u> 1	<u>RM DRAINAGE</u> COMPLY WITH APPLICABLE PROVISIONS OF SUDAS SPECIFICATIONS AND DOCUMENTS DIVISION 4 –	2.	SMOOTH/EVEN LINE STRIPE F
E PLACED AT THE INTERFACE BETWEEN THE AL AND BACKFILL CONTAINING FINES	2.	SEWERS AND DRAINS, DIVISION 6 – STRUCTURES FOR SANITARY AND STORM SEWERS PERFORMANCE REQUIREMENTS: GRAVITY-FLOW, NONPRESSURE, DRAINAGE-PIPING PRESSURE RATING: 10-FOOT HEAD OF WATER. PIPE JOINTS SHALL BE AT LEAST WATER TIGHT TO 10-FOOT	3.	YELLOW IN CO CROSSHATCHI ALL LETTERIN
TION TO THE REQUIREMENTS OF 2.03): ATION GROUPS GW, GP, GM, GC, SW, SP, SM,	3.	HEAD PRESSURE. REFER TO EARTHWORK NOTES FOR ADDITIONAL EXCAVATING, TRENCHING, AND BACKFILLING REQUIREMENTS	4. 5.	WHITE EDGE L ALL PAINTING
ON OF THESE GROUPS; FREE OF ROCK OR IES IN ANY DIMENSIONS, DEBRIS, WASTE, ON, AND OTHER DELETERIOUS MATTER; LIQUID MAXIMUM PLASTICITY INDEX OF 20.	4.	ALL HDPE STORM SEWER PIPE SHALL BE DUAL WALL N-12. ALL PLASTIC STORM SEWER PIPE SHALL BE PVC SDR 35 OR SDR 26 WITH GASKETED JOINTS, INSTALLED PER MANUFACTURER'S RECOMMENDATIONS, AND ASTM D2321.	6. 7.	CONTRACTOR THE AREA IS CONTRACTOR
D SOIL WITH A MINIMUM LIQUID LIMIT OF 35	5.	ALL RCP PIPE JOINTS SHALL BE BELL AND SPIGOT WITH O-RING GASKETS OR PROFILE GASKET COMPLYING WITH ASTM C443	<u>SU</u> [<u>BSURFACE DI</u>
AND A MAXIMUM ALLOWABLE HYDRAULIC TO ASTM D 5084. A REVETMENT - BROKEN LIMESTONE,	6.	CONSTRUCT CATCH BASINS OF REINFORCED CONCRETE, DESIGNED ACCORDING TO ASTM C 890 FOR STRUCTURAL LOADING. PROVIDE INDIVIDUAL FRP STEPS OR FRP LADDER, WIDE ENOUGH TO ALLOW WORKER TO PLACE BOTH FEET ON ONE STEP AND DESIGNED TO PREVENT LATERAL SLIPPAGE OFF OF STEP. CAST OR ANCHOR INTO SIDEWALL AT 12 TO 16 INCH INTERVALS. OMIT STEPS IF TOTAL	1. 2.	COMPLY WITH SEWERS AND FOLLOW SPEC
I F 405 OR AASHTO M 252, TYPE CP;	7.	DEPTH FROM FLOOR OF CATCH BASIN TO FINISHED GRADE IS LESS THAN 60 INCHES. INSTALL PROPER SIZE INCREASERS, REDUCERS, AND COUPLINGS WHERE DIFFERENT SIZES OR MATERIALS OF PIPES AND FITTINGS ARE CONNECTED. REDUCING SIZE OF PIPE IN DIRECTION OF		A. MINIMU 0.5% B. CRUSH
ALLOWABLE BEARING PRESSURES AND RETAINING WALL DESIGN.	8.	FLOW IS PROHIBITED. INSTALL PRECAST CONCRETE MANHOLE SECTIONS ACCORDING TO ASTM C 891. SET TOPS OF FRAME AND COVERS FLUSH WITH FINISHED SURFACE OF MANHOLE THAT OCCURS IN PAVEMENTS		TILE F NO SA
NTS, EROSION AND SEDIMENTATION CONTROL, TTLEMENT, LATERAL MOVEMENT, UNDERMINING, ORK OPERATIONS. CONTRACTOR RESPONSIBLE	9.	SET TOPS 3 INCHES ABOVE FINISHED SURFACE ELSEWHERE INSPECT INTERIOR OF PIPING TO DETERMINE WHETHER LINE DISPLACEMENT OR OTHER DAMAGE HAS OCCURRED. INSPECT AFTER 24 INCHES OF BACKFILL IS IN PLACE, AND AGAIN AFTER COMPLETION OF DROJECT. DEFECTS REQUIRING CORRECTION INCLUDE THE FOLLOWING:	3.	CATCH BASIN THROUGH A & RODENT GUAF
REE OF IRREGULAR SURFACE CHANGES. NGS AND TO PREVENT PONDING.		A. ALIGNMENT: LESS THAN FULL DIAMETER OF INSIDE OF PIPE IS VISIBLE BETWEEN STRUCTURES.	1 ^ 1	
ACES STEEPER THAN 4 HORIZONTAL TO 1 3 MATERIAL. PLACE AND COMPACT FILL 3 FOLLOWS:		B. DEFLECTION: FLEXIBLE PIPING WITH DEFLECTION THAT PREVENTS PASSAGE OF BALL OR CYLINDER OF SIZE NOT LESS THAN 92.5% OF PIPING DIAMETER.	<u>LAN</u> 1.	ALL LANDSCA
FOOTINGS, AND FOUNDATIONS: SELECT		C. CRUSHED, BROKEN, CRACKED, OR OTHERWISE DAMAGED PIPING.	2.	LANDSCAPING
KMENT MATERIALS PER SUDAS SECTION 2010.	<u>SAN</u>	ITARY SEWER	3.	A DETAILED L
REQUIREMENTS OF OSHA 29 CFR, PART 1926, D OTHER APPLICABLE CODES. DICATED	1. 2.	SEWERS AND DRAINS, DIVISION 6 – STRUCTURES FOR SANITARY AND STORM SEWERS. SOLID WALL PVC SHALL BE SDR-26 FOR 8 INCH TO 15 INCH.	4.	ACCORDANCE RIGHT-OF-WA
HAND TO FINAL GRADE AND COMPACT SOIL TINGS TO FIRM UP ALL LOOSE MATERIAL	з. 4.	DIE SANITART SEWER SHALL BE MIN THICKNESS CLASS ST WITH CEMENT MORTAR LINING. FITTINGS SHALL BE USA MADE COMPACT DUCTILE IRON CONFORMING TO AWWA C153. POLYETHYLENE ENCASEMENT SHALL BE TRANSLUCENT OR BLACK.		EVERGREENS GALLONS POT CODE.
PER THAN BOTTOM OF PIPE EXCAVATION TO SE AS NOTED IN BEDDING DETAIL." HAND NCH WALLS VERTICALLY FROM TRENCH	5. 6.	PVC COMPOSITE, RCP, OR VCP ARE NOT ALLOWED. SEWER CONNECTIONS SHALL BE A-LOK OR NPC BOOT. FRAME AND COVER SHALL BE NEENAH R1642-A.	SID	FWΔIK
CONDUIT. REQUIRED SUBGRADE. PROOF-ROLL	7. 8.	IN IERNAL CHIMNEY SEALS BY NPC OR CRETEX SHALL BE INSTALLED IN EACH MANHOLE. REFER TO EARTHWORK NOTES FOR ADDITIONAL EXCAVATING, TRENCHING AND BACKFILLING	<u>510</u> 1.	
NTS TO IDENTIFY SOFT POCKETS AND AREAS SATURATED SUBGRADES. IF ENGINEER CONTINUE EXCAVATION AND REPLACE WITH	9.	REQUIREMENTS. SANITARY SEWER MAIN AND LATERALS MUST BE INSTALLED WITH NBR GASKETS WHERE SITE CONDITIONS ARE UNDER THE INFLUENCE OF BENZENE/PETROL.	2.	4,000 PSI. PROTECT FRE TEMPERATURE
". DIRECTION, REPEATING PROOF-ROLLING IN N. LIMIT VEHICLE SPEED TO 3 MPH.	10. 11.	THE CONTRACTOR IS RESPONSIBLE FOR TESTING IN ACCORDANCE WITH SUDAS SECTION 4060. EXISTING SEWER LATERALS THAT ARE TO REMAIN IN SERVICE SHALL BE TELEVISED (INSPECTED) AND A CONDITION ASSESSMENT PROVIDED TO THE CITY OF CLINTON IN ACCORDANCE WITH AN EPA	3. 4.	JOINTING PER REINFORCING:

RUTTING, AS DETERMINED BY ENGINEER, AND REPLACE WITH COMPACTED BACKFILL OR FILL

12. ARRANGE WITH THE CITY OF CLINTON FOR CONNECTIONS TO THE MAIN. 13. ANY NEW CONNECTIONS TO THE PUBLIC SANITARY SEWER SYSTEM SHALL BE INSPECTED BY THE

TO BE IN POOR CONDITION SHALL BE LINED OR REPLACED.

CONSENT DECREE TO IDENTIFY AND REDUCE SOURCES OF INFLOW/INFILTRATION. LATERALS FOUND

REINFORCING BARS: ASTM A615, GRADE 60 EPOXY COATED DEFORMED BARS: ASTM A934 EPOXY-COATED DEFORMED BARS SHALL HAVE LESS THAN 2% DAMAGED COATING IN EACH 12" BAR LENGTH.

OF CLINTON BUILDING SERVICE DEPARTMENT AND/OR ENGINEERING DEPARTMENT, PLEASE . BUILDING SERVICE DEPARTMENT'S JASON MOURING ON 563.589.4150 OR CITY ENGINEERING 63-589.4270 WITHIN 48 HOURS OF CONNECTION TO ARRANGE FOR INSPECTION.

PLY WITH APPLICABLE PROVISIONS OF SUDAS SPECIFICATIONS AND DOCUMENTS, DIVISION 2 -HWORK AND DIVISION 7 STREETS AND RELATED WORK

RADE PREPARATION. IN AREAS WHERE PAVEMENT WILL BE CONSTRUCTED IN A CUT TION, SUBGRADE PREPARATION SHALL BE COMPLETED PER SECTION 2010. A PROOF ROLL CONDUCTED TO DETERMINE LIMITS OF SUBGRADE PREPARATION. RAPE STABILIZATION

MATERIAL SHALL BE 3" MODIFIED MACADAM.

MATERIAL SHALL COMPLY WITH IDOT SPECIFICATION: 4121 GRADATION 12A, 4132 GRADATION 30 OR IDOT SPECIFICATION 4133 OR IDOT SPECIFICATION 4123 MODIFIED SUBBASE. ALL SUBGRADE PREPARATION SHALL BE COMPLETED IN ACCORDANCE WITH THE SOIL REPORT COMPLETED BY XXX CONSULTANTS, INC DATED XXXX

PERFORMANCE REQUIREMENTS: THE DESIGN CLASSIFICATION OF THE ROADWAY SHALL BE A MINIMUM OF 300,000 ESALS. (300K TYPICAL FOR PARKING LOTS) COMPLY WITH THE REQUIREMENTS OF SUDAS SECTION 7020. REFER TO SUDAS FIGURE 7020.901 FOR HMA PAVING WITH CURB & GUTTER.

PERFORMANCE REQUIREMENTS: PER SUDAS STANDARDS DIVISION 7010, CLASS C CONCRETE, 4.000 PSI MIX. PROTECT FRESHLY PLACED CONCRETE FROM PREMATURE DRYING AND EXCESSIVE COLD OR HOT TEMPERATURES. CURE CONCRETE BY MOISTURE CURING. MOISTURE-RETAINING-COVER CURING, CURING COMPOUND, OR A COMBINATION OF THESE METHODS. ALLOW PAVEMENT TO AGE 30 DAYS BEFORE STARTING PAVEMENT MARKING.

PAVEMENT JOINTING SHALL COMPLY WITH THE FOLLOWING:

D.1. LONGITUDINAL JOINTS: BT-1 OR L-1.

D.2. TRANSVERSE JOINTS: TYPE C D.3. MAXIMUM JOINT SPACING: 12 FEET

MARKING

STRIPING, CROSSHATCHING, EDGE LINES AND LANE LINES SHALL BE 4" WIDE AND DTH/EVEN CURVES OR STRAIGHT LINES.

STRIPE FOR GENERAL PARKING SHALL BE WHITE IN COLOR AND SPECIAL PARKING SHALL BE OW IN COLOR. ALL LETTERS (8" HIGH) AND NUMBERS (12") HIGH SHALL BE YELLOW IN COLOR. SSHATCHING TO BE YELLOW IN COLOR.

LETTERING, NUMBERING AND SYMBOLS SHALL BE STENCILED, NOT FREEHAND.

EDGE LINES SHALL BE PROVIDED WHERE NO CURB EXISTS.

PAINTING TO HAVE SHARP EDGES WITH NO BLEED THROUGH IN APPEARANCE.

RACTOR SHALL BARRICADE THE AREA HE IS WORKING ON AND MAINTAIN BARRICADES UNTIL AREA IS DRY.

RACTOR SHALL PROTECT ALL NEARBY VEHICLES FROM DAMAGE, SUCH AS OVERSPRAY.

ace drainage

'LY WITH APPLICABLE PROVISIONS OF SUDAS SPECIFICATIONS AND DOCUMENTS, DIVISION 4 -RS AND DRAINS

OW SPECIFICATION ITEMS WITH RESPECT TO TYPE 1 SUBDRAINS (LONGITUDINAL SUBDRAIN) MINIMUM TRENCH WIDTH SHALL BE 10" AT THE BOTTOM, MINIMUM PIPE SLOPE SHALL BE

CRUSHED STONE ENVELOPE: CLEAN CRUSHED STONE MATERIAL SHALL BE IOWA DOT POROUS BACKFILL, GRADATION NO. 29, AND SHALL BE USED FOR THE PERFORATED DRAIN TILE FROM 3 INCHES BELOW THE BOTTOM OF THE PIPE TO THE BOTTOM OF THE PAVEMENT. NO SAND ENVELOPE OR FILTER FABRIC REQUIRED.

H BASIN CONNECTION: CONNECTIONS OF 4 INCH CPE INTO CATCH BASINS SHALL BE OUGH A 6 INCH HOLE IN THE SIDEWALL. ANNULAR SPACE SHALL BE GROUTED. PROVIDE ENT GUARD IN THE END OF DRAIN TILE INSIDE CATCH BASINS.

PING NOTES:

ANDSCAPING SHALL BE ACCORDING TO CURRENT CITY OF CLINTON REQUIREMENTS AND ALL ICABLE RESTRICTIONS AND COVENANTS.

SCAPING SHALL BE INSTALLED BY THE DATE THE BUILDING DEPARTMENT ISSUES AN PANCY CERTIFICATE.

TAILED LANDSCAPING PLAN SHOWING THE LOCATION, SIZE (CALIPER DIAMETER OR HEIGHT) TYPE WILL BE PROVIDED BY THE LANDSCAPE CONTRACTOR. TREES SHALL BE IN DRDANCE WITH THE CITY OF CLINTON STREET TREE POLICY. TREES PLANTED IN THE PUBLIC T-OF-WAY DO NOT COUNT TOWARD LANDSCAPING REQUIREMENTS.

)TAL OF 8 TREES, $1\frac{1}{2}$ " – 2" CALIPER DIAMETER DECIDUOUS AND/OR 6–FOOT HEIGHT GREENS AND 23 SHRUBS, MINIMUM 18 INCHES IN HEIGHT OR A MINIMUM OF THREE (3) ONS POTTED, ARE REQUIRED FOR THE SITE PER CITY OF CLINTON'S UNIFIED DEVELOPMENT

ORMANCE REQUIREMENTS: PER SUDAS STANDARDS DIVISION 7010, CLASS C CONCRETE,

FECT FRESHLY PLACED CONCRETE FROM PREMATURE DRYING AND EXCESSIVE COLD OR HOT PERATURES. CURE CONCRETE BY MOISTURE CURING, MOISTURE-RETAINING-COVER CURING, NG COMPOUND, OR A COMBINATION OF THESE METHODS. ING PER PLAN & DETAILS. 6' MAXIMUM JOINT SPACING.



Client Name **CLINTON COUNTY**

Project Name

LAW CENTER PARKING LOT

Location / Description CLINTON, IOWA



Sheet Title

NOTES



SITE PLAN QUANTITIES						
ITEM	UNIT	QUANTITY				
BOLLARDS	EA	8				
REMOVE EXISTING BUILDING	LS	1				
PAVEMENT REMOVAL	SY	314				
SIDEWALK REMOVAL	SY	158				
EXCAVATION	CY	1008				
SUBGRADE PREPARATION	SY	2275				
SUBGRADE STABILIZATION	TON	240				
6" PCC	SY	2275				
7" SUBBASE	SY	2275				
12" STORM SEWER	LF	243				
6" SANITARY SERVICE	LF	116				
STORM CONNECTION	EA	1				
STORMINTAKE	EA	3				
4" SIDEWALK	SY	758				
6" SIDEWALK	SY	32				
STANDARD 6" CURB	LF	190				
PAVEMENT PATCHING - 5" FULL DEPTH PCC	SY	75				
PAVEMENT PATCHING - 5" FULL DEPTH HMA	SY	46				
INTAKE PROTECTION	EA	5				
SANITARY SEWER CLEANOUT	EA	1				
780 GAL. SAND-OIL INTERCEPTOR	EA	1				
SANITARY SEWER TAP	EA	1				
HANDICAP SIGNS AND PAINTING	LS	1				
DETECTABLE WARNING PANELS	SF	28				
TOPSOIL, SEED, FERTILIZE, AND MULCH	AC	0.04				
SWPPP PREP AND MAINTANCE	LS	1				
MOBILIZATION	LS	1				
TREES	EA	4				

SPEED LIMIT 15

EX. WOOD FENCE —



PROPOSED KEYED NOTES

- 1. BUILDING
- 2. PCC PAVEMENT 3. STORM SEWER
- 4. BOLLARD 5. PCC WALK 6. PCC CURB

- 7. TREE
- 8. 4" PCC WALK 9. SANITARY SERVICE
- 10. 780 GAL. SAND-OIL INTERCEPTOR



PROPOSED

Sheet Title



Location / Description CLINTON, IOWA

LAW CENTER PARKING LOT

Project Name

CLINTON COUNTY

Client Name



N



—EXG@CB 40023







Sheet Title



Location / Description CLINTON, IOWA

LAW CENTER PARKING LOT

Project Name

CLINTON COUNTY

Client Name

T 0 Ζ 0 WORKING origindesign.com 800 556-4491 © Origin Design Co.

0 R

Σ

σ



HORIZONTAL SCALE IN FEET 0 20 40 DRAWING MAY HAVE BEEN REDUCED



1 C5.01



SANITARY SEWER SERVICE STUB NOT TO SCALE



Sheet Title

SANITARY



Location / Description CLINTON, IOWA

LAW CENTER PARKING LOT

Project Name

Client Name **CLINTON COUNTY**



11.0 LF 6" PVC SDR 26 @ 2.727%-7.9 LF 6" PVC SDR 26 @ 3.019%-/







Sheet Title











Client Name

CLINTON COUNTY

Project Name

LAW CENTER

PARKING LOT

Location / Description

CLINTON, IOWA

11-11-2024 Date 10/22/24

 \sim

ADD

Rev

ed For E

NISLIVED





r/C 587.68 -T/W 587.45 T/W 587.90 -T/W 587.51 -T/W 587.43 T/W 587.99-T/W 587.75 T/W 587.63 T/P 587.95 T/W 587.94 T/P 587.85-∕_T/₩ 587.53 0.97% T/P 587.71-¬**T/W 587.82** -RIM 587.30 T/W 587.75 koi! 87.62 -T/W 587.68 T/P 587.58 ∽T/C 587.70[°] 1% 33% 14% 1.5.39 T/P 587.50 /T/P 587.84-1.38% 24% T/W 587.77 T/P 587.65 T/P 587.79-/ ∕_T/₩ 587.84 ADA AREA _1 C6.20 ENLARGED PLAN 1"=10'





PAVING PLAN

Sheet Title



Location / Description CLINTON, IOWA

LAW CENTER PARKING LOT

Project Name

CLINTON COUNTY

Client Name



0







CONTINUOUS FOOTING SCHEDULE						
MARK	WIDTH	THICKNESS	FOOTING REINFORCING			
CF16	1' - 4"	1' - 0"	(2) #5			
CF24	2' - 0"	1' - 0"	(3) #5			

FOUNDATION PLAN AND SCHEDULE



S6.1