

Addendum No. 01

Date:	April 9th, 2019
Project Name:	2019 OLESON PARK PHASES 3-5 RENOVATION PROJECT FORT DODGE, IOWA
Project Number:	18-21961
Quest CDN #	#6259781
Bid Date:	Tuesday, April 16th @ 9am
Architect/Engineer:	ISG 508 East Locust Street Des Moines, IA 50131

The following items shall be appended to and become a part of the plans and specification for the above reference project and shall supersede any conflicting provisions of these documents.

Plans & Specifications

1. Rebar has been removed from driveway pavement approaches and shall be just 7" PCC SUDAS Type B Driveway.
2. All park roads and parking areas have been changed from 6" PCC to 6" HMA at the direction of the City of Fort Dodge.
3. Compacted subgrade under walks and roads has been changed from 8" scarified minimum to 6"-12" minimum depending on localized site conditions.
4. Water service line revised from 2" to 1".
5. Existing parking lot castings will be removed by the City of Fort Dodge prior to construction.
6. There is a total of 4 trees shown on the drawings to be removed that will now be done by the City of Fort Dodge not the contractor.
7. Electrical conduit will be run to the future pond location and capped for the future pond equipment.
8. All existing park light poles indicated on the plans will be removed by Mid-American Energy (MEC).
9. Added 400 amp electrical pedestal to be fed underground from existing pole mounted transformer.
10. Added 50 amp feeds from new electrical pedestal to existing bathroom and cabin.
11. Updated existing electrical pedestal to be served from new pad mounted transformer.
12. Separated new site lighting on North end of park to be fed from new electrical pedestal.
13. Separated new site lighting on South end of park to be fed from existing panel in city building.
14. Updated light fixture schedule.
15. Added Pedestal Detail and panel board schedule.

Bid Add Alt #1

1. All park sidewalks should be base bid as 5" PCC on 6"-12" prepared subgrade.
2. All park sidewalks should be listed as bid alternate #1 for 5" HMA on 6"-12" prepared subgrade.

Attachments

1. Revised drawing package and front end documents

End of Addendum No. 01

**2019
OLESON PARK PHASES 3-5
RENOVATION PROJECT

FORT DODGE, IOWA**



I hereby certify that this document was prepared by me or under my direct personal supervision and that I am duly licensed Professional Engineer under the laws of the State of Iowa.

Derek A. Johnson PE

3/29/2019
Date

License Number : P20894

My License renewal date is: 12/31/19
Pages or sheets covered by this seal: All



I hereby certify that this document was prepared by me or under my direct personal supervision and that I am duly licensed Professional Landscape Architect under the laws of the State of Iowa.

NATHAN S. GRUVER PLA

3/29/2019
Date

License Number : 00655

My License renewal date is: 06/30/19
Pages or sheets covered by this seal: All except utility drawings

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NOTE: All work and materials on this project shall conform to the URBAN STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS, CURRENT EDITION, and City of Fort Dodge Supplemental Specifications, unless otherwise noted on the plans or contract documents.

2019 Oleson Park Phases 3-5 Renovation Project

NOTICE TO BIDDERS AND NOTICE OF PUBLIC HEARING

Time and Place for Filing Sealed Proposals. Sealed bids for the work comprising each improvement as stated below must be filed in the office of the **City Clerk of the City of Fort Dodge** on or before **9:00 a.m. (local time)** on **April 16th, 2019**. Bids shall be submitted on forms furnished by the City, and must be enclosed in a separate sealed envelope and plainly identified.

Time and Place Sealed Proposals Will be Opened and Considered. Sealed proposals will be publicly opened and read aloud by the **City Clerk of the City of Fort Dodge**, and bids tabulated at **9:00 a.m.** on **April 16th, 2019** in the **Council Chambers, 819 1st Ave South, Fort Dodge, Iowa** for consideration by the **Fort Dodge City Council** at its meeting on **April 22nd, 2019 at 6:00 p.m.** The **City of Fort Dodge** reserves the right to reject any and all bids, re-advertise for new bids, and to waive informalities that may be in the best interest of the City.

Public Hearing on Proposed Contract Documents and Estimated Costs for Improvement. A public hearing will be held by the **Fort Dodge City Council** on the proposed contract documents (plans, specifications and form of contract) and estimated cost for the improvement at its meeting at **6:00 p.m. on April 22nd, 2019**, in said **City of Fort Dodge Council Chambers, 819 1st Ave South, Fort Dodge, Iowa**. At said hearing, any interested person may appear and file objections thereto, or to the cost of said improvements. Proposals previously received by the City Clerk will be considered by the City Council at said time, and at that time, or at such time, date, and place as then may be fixed, the City Council will act upon proposals and award a contract for the construction of the improvements.

Time for Commencement and Completion of Work. The work shall be commenced on or before a date to be specified in a written "Notice to Proceed" of the City, the project shall be substantially complete by dates as further described. All work shall be completed by **November 29th, 2019**. The bidder must also agree to pay as liquidated damages the sum of Two Hundred Fifty dollars (\$250.00) for each "per calendar" day thereafter.

Each bidder shall accompany its bid with bid security in the form of a cashier's check, a certified check, or a bank money order drawn on a FDIC insured bank in Iowa or drawn on a FDIC insured bank chartered under the laws of the United States; or a certified share draft drawn on a credit union in Iowa or chartered under the laws of the United States; or a bid bond executed by a corporation authorized to contract as a surety in Iowa or satisfactory to the Jurisdiction. The bid bond must be submitted on the enclosed Bid Bond form, as no other bid bond forms are acceptable. All signatures on the bid bond must be original signatures in ink; facsimile (fax) of any signature on the bid bond is not acceptable. Bid security other than said bid bond shall be made payable to the Treasurer of the City of Fort Dodge. "Miscellaneous Bank Checks", and personal checks, as well as "Money Orders" and "Traveler's Checks" issued by persons, firms or corporations licensed under Chapter 533B of the Iowa Code, are not acceptable bid security. The bid security must be in an amount equal to five percent (5%) of the total amount of the bid as security that if awarded a contract, the Bidder will enter into a contract at the prices bid and furnish the required performance and payment bonds and certificate of insurance. The certified check or cashier's check or certified share draft may be cashed, or the bid bond forfeited, and the proceeds retained as liquidated damages if the bidder fails to execute a contract, provide the required bonds, or file an acceptable certificate of insurance within ten (10) days after the acceptance of his proposal by resolution of the Council. No bidder may withdraw a proposal within thirty (30) days after the date set for opening bids.

A certified check, to be acceptable, shall bear on its face the endorsement of a solvent Iowa bank as to the amount certified, which endorsement shall be signed by an official authorized to bind the bank by his acts.

Proposal guaranties will be returned to the unsuccessful bidders promptly after the award has been made. In no case will the proposal guaranty be held longer than thirty (30) days without written permission of the bidder, except that the proposal guaranty of the bidder to whom the contract is awarded will be retained until he has entered into contract and filed an acceptable bond.

The successful bidder shall be required to furnish a Performance and Payment Bond in an amount equal to one hundred percent (100%) of the contract price, said Bond to be issued by a responsible surety approved by the City Council, and shall guarantee the faithful performance and the prompt payment of all materials and labor, and protect and save harmless the City from claims and damages of any kind caused by the operation of the contract, and shall also guarantee the maintenance of the improvements for the City for a period as required by the specifications, after its completion and acceptance by the City.

Preference of Products and Labor. By virtue of statutory authority, preference will be given to products and provisions grown and coal produced within the State of Iowa, and to Iowa domestic labor, to the extent lawfully required under Iowa statutes; provided that the award of contract will be made to the lowest responsible bidder submitting the lowest responsive bid, which shall be determined without regard to state or local law whereby preference is given on factors other than the amount of the bid.

Contract shall be subject to the requirements of the Clean Air Act, the Federal Water Pollution Control Act, and the regulations of the Environmental Protection Agency that are applicable.

General Nature of Public Improvement. All work and materials shall comply with the proposed plans, specifications and proposed form of contract now on file with the City Clerk, Fort Dodge, Iowa. Said documents are by reference made a part hereof, as though fully set out and incorporated herein.

All work, equipment, and materials shall be in strict compliance with approved plans, specifications, and form of contract which together with the estimate of cost have heretofore been approved by the Council, and are now on file for public examination in the office of the Clerk, and are by this reference made a part hereof as though fully set out and incorporated herein.

Payment. Payment to the Contractor shall be made by the City in cash from such funds as are legally available, including, but not limited to, proceeds received from the sale of General Obligation Bonds and/or warrants authorized by Section 384.57 of the Code of Iowa, drawn on such fund or funds of the City as are legally available for such purpose.

The City of Fort Dodge is intending to issue Iowa Sales tax exemption certificates and authorization letters to the contractors and sub-contractors on this project. With this authorization, the contractor will not be required to pay Iowa Sales Tax on material that will remain at the project site.

The Contractor will be paid each month ninety-five percent (95%) of the Engineer's estimate of the value of acceptable work. Such monthly payments shall in no way be construed as an act of acceptance for any part of the work partially or totally completed.

Upon completion of the work and its acceptance by the Council, the Contractor will be paid an amount, which, together with previous payments, will equal ninety five percent (95%) of the contract price of the contract. Final payment of the remaining amount due will be made not less than thirty-one (31) days after

completion and acceptance by resolution of the City Council of the completed contract, subject to the conditions and in accordance with the provisions of Chapter 573 of the Code of Iowa.

Copies of approved Plans and Specifications governing the construction of these proposed improvements which have been made a part of this Notice and the proposed contract are on file in the office of the City Clerk, and may be seen at the office of the Parks, Recreation and Forestry Director, Municipal Building, Fort Dodge, Iowa. A copy of the plans and specifications are available for download on Quest and Iowa League of Cities websites.

Bidders shall bid on all items and sections as set out in the Proposal Form. The City Council will award a single contract to the lowest responsible bidder for the entire project.

This improvement project is being constructed and paid for pursuant to the provisions of Chapter 384 of the Code of Iowa.

Jeff Nemmers, City Clerk

Published in the **City of Fort Dodge Website**

Date _____

**INSTRUCTIONS
TO
BIDDERS**

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INSTRUCTIONS TO BIDDERS

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Bids Due: April 16, 2019
Time: 9:00 A.M.

INSTRUCTIONS TO BIDDERS

Project Name **2019 Oleson Park Phases 3-5 Renovation Project**

The work comprising the above referenced project shall be constructed in accordance with the Urban Standard Specifications for Public Improvements and as further modified by supplemental specifications and special provision included in the contract documents. The terms used in the contract revision of the documents are defined in said Standard Specifications. Before submitting your bid, please review the requirements of Division One, General Provisions and Covenants; in particular the sections regarding proposal requirements, bonding, contract execution and insurance requirements. Please be certain that all documents have been completed properly, as failure to complete and sign all documents and to comply with the requirements listed below can cause your bid not to be read.

Bidder's Knowledge. Bidders are required to examine, to their satisfaction, the plans and specifications, and to make sure that the requirements are fully understood. They must satisfy themselves by actual examination of the site as to the nature of the work and all conditions affecting the performance of the contract.

If any person contemplating submitting a bid for the proposed contract is in doubt as to the true meaning of any part of the plans, specifications, or other proposed contract documents, he/she may submit, to the Department of Parks, Recreation and Forestry, a written request for the interpretation thereof. The person submitting the request will be responsible for its prompt delivery. Any interpretation of the proposed documents will be made only by addendum duly issued and a copy of such addendum will be mailed or delivered to each person receiving a set of such documents.

Bidder's Qualifications. Bidders must be capable of performing the work bid upon. They may be required to supply a detailed statement covering experience on similar work, list of machinery, plant and other equipment which will be used on the proposed work, and such statements of their financial resources as may be deemed necessary.

Corporations organized under the laws of any other state shall file with the City Clerk a certificate from the Secretary of the State of Iowa, showing that they have complied with all the provisions of Chapter 494 of the Code of Iowa, governing foreign corporations. Individuals or co-partnerships of other states shall file with the City Clerk an agreement consenting to the jurisdiction of the Courts of Webster County, Iowa, as provided in Section 616.4 of the Code of Iowa, as to all matters arising out of or connected with any contract entered into. Such certificates or agreements shall be on file with the City Clerk before any contract awarded hereunder shall be effective.

Method of Bidding. Bidders will be furnished with blank proposal forms giving the description of the work, the time at which the work must be completed, and the amount of the proposal guaranty which must accompany the proposal, all of which must be in accordance with the official publications relating to the proposed improvement. To insure against accidental errors, the Contractor should read carefully the official publication before preparing the proposal.

For all work let on a unit price basis, the Engineer's estimate of quantities shown in the Notice to Bidders and on the proposal form are understood to be approximate only, and will be used only

for the purpose of comparing bids. For work let on a lump sum price basis, any estimate of quantities provided is furnished for the convenience of bidders, and is not guaranteed.

When unit prices are indicated on the proposal form, the bidder shall specify the said unit price at which he proposes to do each item of work, written legibly to insure consideration. The price shall be stated in figures. In items where unit prices are required, the extended amount of each item shall be computed from the unit price bid on the proposal and the quantity given in the estimate. In case of errors in computing the extended amount, the unit price will be assumed to be correct. Failure by the bidder to list unit prices shall be justification for rejection of the bid. Where lump sum is indicated on the proposal, the bidder shall specify, under the column of extended amount, the said lump sum at which he proposes to do the work described for that item.

Submission of Bids. Proposals and Non-Collusion Affidavit of Prime Bidder shall be placed in an envelope and the envelope sealed and marked to indicate its contents, and be accompanied by a certified check or bid bond in a separate envelope, properly endorsed. If forwarded by mail, the two envelopes shall be placed in a third and mailed to the City Clerk. All proposals shall be filed with the City Clerk at his/her office prior to the time as designated in the Notice to Bidders for opening bids. Any proposal received after the scheduled time for the receiving of proposals will be returned to the bidder unopened and will not be considered. **NO FAXES WILL BE ACCEPTED.**

If the proposal is made by an individual, his name and post office address must be shown. If made by a firm or partnership, the name and post office address of the firm or partnership must be shown. If made by a corporation, the person signing the proposal must name the state under the law of which the corporation is chartered, and the name, title, and business address of the executive head of the corporation. Anyone signing a proposal as agent may be required to submit satisfactory evidence of his authority to do so.

No bidder shall submit more than one proposal. Reasonable grounds for believing that any bidder is interested in more than one proposal for the work may cause the rejection of all proposals in which such bidder is interested, or may cause the disapproval of any contract awarded such bidder.

An extra Proposal form, Non-Collusion Affidavit of Prime Bidder form, and Bid Bond form is included (unattached) with the specifications for use in submitting a bid.

Bid Security. Each bidder shall accompany its bid with bid security in the form of a cashier's check, a certified check, or a bank money order drawn on a FDIC insured bank in Iowa or drawn on a FDIC insured bank chartered under the laws of the United States; or a certified share draft drawn on a credit union in Iowa or chartered under the laws of the United States; or a bid bond executed by a corporation authorized to contract as a surety in Iowa or satisfactory to the Jurisdiction. The bid bond must be submitted on the enclosed Bid Bond form, as no other bid bond forms are acceptable. All signatures on the bid bond must be original signatures in ink; facsimile (fax) of any signature on the bid bond is not acceptable. Bid security other than said bid bond shall be made payable to the Treasurer of the City of Fort Dodge, "Miscellaneous Bank Checks", and personal checks, as well as "Money Orders" and "Traveler's Checks" issued by persons, firms or corporations licensed under Chapter 533B of the Iowa Code, are not acceptable bid security. The bid security must be in an amount equal to five percent (5%) of the total amount of the bid as security that if awarded a contract, the Bidder will enter into a contract at the prices bid and furnish the required performance and payment bonds and certificate of insurance. The certified check or cashier's check or certified share draft may be cashed, or the bid bond forfeited, and the proceeds retained as liquidated damages if the bidder fails to execute a contract, provide

the required bonds, or file an acceptable certificate of insurance within ten (10) days after the acceptance of his proposal by resolution of the Council. No bidder may withdraw a proposal within thirty (30) days after the date set for opening bids.

A certified check, to be acceptable, shall bear on its face the endorsement of a solvent Iowa bank as to the amount certified, which endorsement shall be signed by an official authorized to bind the bank by his acts.

Proposal guaranties will be returned to the unsuccessful bidders promptly after the award has been made. In no case will the proposal guaranty be held longer than thirty (30) days without written permission of the bidder, except that the proposal guaranty of the bidder to whom the contract is awarded will be retained until he has entered into contract and filed an acceptable bond.

Withdrawal of Bids. Bidders will be permitted to withdraw their proposals after the same have been filed with the City Clerk if the request is made in writing to the City Clerk before the time specified for closing of bids. No proposals may be withdrawn after the time specified for opening.

Evaluation of Bids. Proposals will be publicly opened at the time and place announced in the official publication, and will be immediately read and recorded. Award will be made as soon thereafter as practicable.

Proposals may be rejected by the City for the following reasons:

- (A) If the proposal form furnished is not used or is altered.
- (B) If there are unauthorized additions, conditional or alternate bids or Irregularities of any kind.
- (C) If the bidder adds any provisions reserving the right to accept or reject an award, or to enter a contract pursuant to an award.
- (D) If the prices set out in the schedule are obviously unbalanced.
- (E) If the bidder fails to list a unit price for any item or work when unit prices are called for.

In the award of contracts, consideration will be given not only to the prices bid, but to the mechanical and other equipment, financial responsibility of bidder, and his ability and experience in the performance of like or similar contracts. It is contemplated that the award will be made on the day on which bids are opened, but the right is reserved to postpone the award to a later date, of which bidders will be notified after the bids have been opened, read, and recorded. The City reserves the right to reject any and all bids, to waive technicalities, and to accept that bid which is in the best interest of the City.

Taxes. All bidders shall include in their proposal any sales or use taxes that they are required to pay.

The City of Fort Dodge intends to issue Iowa Sales Tax exemption certificates and authorization letters to the contractors and sub-contractors on this project. With this authorization, the contractor will not be required to pay Iowa sales tax on material that will remain at the project site.

The following items are not eligible for this sales tax exemption:

Barricades	Building equipment*	Compressors
Cranes	Drill press	Dynamite
Electric generators	Forms	Fuel
Hand tools	Lathes	Lodging
Machinery*	Pile drivers	Replacement parts for eqpt
Scaffolds	Stakes	Tools
Utilities	Vehicles (including grading lifting and excavating vehicles)	Warning lights

* Certain restrictions may apply when purchasing machinery or equipment. Contact IDR for details.

The rental of construction equipment for use on a building project is exempt from Iowa Sales or Use tax.

Certain construction-related equipment is not subject to local option tax, but remains subject to the state sales tax.

Preference for Labor and Material. The Contractor shall observe the laws of the State of Iowa with regard to preference for labor and materials. In so far as may be done under the law, the Contractor shall give preference to labor residing in the City of Fort Dodge and to local concerns in the purchase of materials, insurance, and bonds.

The Iowa Reciprocal Preference Act (SF2160) applies to the contract with respect to bidders who are not Iowa residents.

Execution of Contract. The bidder to whom the contract has been awarded shall enter into contract with the City of Fort Dodge within ten (10) days after the award has been made. No proposal shall be considered binding upon the City of Fort Dodge until the contract is properly executed by both parties, a current certificate of insurance and the contract bonds are filed with the City Clerk and approved by the City Council. Failure to execute a contract and to file a certificate of insurance and acceptable bonds in the sum specified within ten (10) days, from date of contract award, shall be just and sufficient cause for the annulment of the award and the forfeiture of the proposal guaranty, to the City of Fort Dodge, liquidation of damages sustained.

PROPOSAL

Proposal of _____
(Name of Bidder)

(Address)

for the construction of **2019 Oleson Park Phases 3-5 Renovation Project** governed by the Plans and Specifications and in approximate estimated quantities shown herein.

TO THE HONORABLE MAYOR AND CITY COUNCIL
CITY OF FORT DODGE, IOWA

The undersigned certifies that an examination has been made of the Plans, Specifications, form of Contract, and the site of the work. It is understood that all quantities of work herein are approximate only, and are subject to increase or decrease, and it is further understood that all quantities of work, whether increased or decreased, are to be performed at the unit prices stipulated herein. The undersigned proposes to furnish all necessary machinery, equipment, tools, labor and other means of construction, and to furnish all materials specified or required, and to do the work according to the plans and specifications and any addenda now on file in the office of the City Clerk for the construction of the improvements set forth herein, at the following unit prices:

Base Bid – Oleson Park Phases 3-5

1. Construction of park roads, parking areas, driveways and walks
2. Installation and construction of all lighting and cameras
3. Installation and construction of water line service and accessories
4. Miscellaneous work to complete project

Bid Alternate #1 – 5" HMA Sidewalks

1. Alternate bid for 5" HMA sidewalks on 6"-12" prepared subgrade
2. Miscellaneous work to complete project

2019 OLESON PARK PHASES 3-5**Bid Date: April 16th, 2019****Bid Time: 9:00 A.M.****Contractors Name: _____****Contractors Address: _____****2019 OLESON PARK PHASES 3-5**

ITEM NO.	ITEM	UNIT	QTY	UNIT COST	TOTAL COST
1	MOBILIZATION	LS	1		
2	TRAFFIC CONTROL	LS	1		
3	CLEARING AND GRUBBING	LS	1		
4	STRIP, SALVAGE, & SPREAD TOPSOIL, 6"	CY	250		
5	CLASS 10 EXCAVATION, COMMON EXCAVATION	CY	927		
6	SUBGRADE PREPARATION	SY	1450		
7	SUBBASE, 6", CRUSHED STONE	SY	3300		
8	WATER SERVICE LINE, HDPE, 1"	LF	152		
9	WATER SERVICE CURB STOP, BOX, AND SERVICE CORPERATION	EA	2		
10	SIDEWALK, 5", PCC (BASE BID)	SY	1167		
11	HOT MIX ASPHALT STANDARD TRAFFIC PARK ROADS AND PARKING AREAS	TN	1100		
12	DRIVEWAY, 7", PCC SUDAS STANDARD TYPE B	SY	160		
13	REMOVE GRANULAR SURFACING	SY	900		
14	PAVEMENT, REMOVAL	SY	1790		
15	SEEDING, FERTILIZING AND MULCHING (HYDRAULIC)	AC	2.11		
16	SILT FENCE	LF	1300		
17	SILT FENCE, CLEANOUT	LF	1300		
18	SILT FENCE, REMOVAL	LF	1300		
19	STABILIZED CONSTRUCTION ENTRANCE	TN	65		
20	INLET PROTECTION DEVICE	EA	3		
21	CONCRETE WASHOUT	EA	3		
22	SITE TRAFFIC, ADA AND PARKING SIGNS	EA	17		
23	YARD HYDRANT ASSEMBLY	EA	2		
24	LIGHTING, POLE SINGLE + DOUBLE	EA	30		
25	2" CONDUIT FROM POLE TO XFMR , 200 AMP FEED FOR BARN , NEW ELECTRICAL PEDESTAL , NEW SERVICE FROM POLE MOUNTED XFMR, 2" CONDUIT FOR FUTURE POND SERVICE , NEW SERVICE FROM PAD MOUNTED XFMR , NEW ELECTRICAL HANDHOLE , NEW 50A CABIN UG SERVICE , NEW 50A BATHROOM UG SERVICE	LS	1		
26	CAMERAS	EA	4		
27	BOLLARDS	EA	12		
28	CONCRETE WHEEL STOPS	EA	38		
29	PAINTED PAVEMENT MARKING	LF	1350		
30	PAINTED SYMBOL AND LEGEND	EA	12		
		TOTAL BASE BID		TOTAL =	
	BID ADD ALT #1 HMA SIDEWALKS				
31	HOT MIX ASPHALT WALKS, 5" THICK	TN	320		
		TOTAL BID ALT #1		TOTAL =	

To do all "Extra Work" which may be required to complete the work contemplated at unit prices or lump sums to be agreed upon in writing prior to starting such work, or if such prices or sums cannot be agreed upon, to perform such work on a force account basis as provided in the Specifications.

Enclosed herewith find bid security in an amount equal to five percent (5%) of the total amount of the bid as a Proposal guarantee. If a bid bond is submitted, it shall be on the bid bond form provided by the Engineer. Upon notice of acceptance of this proposal by the City Council, the undersigned hereby agrees to enter into a contract in the form described by the City Council, and to furnish bonds on the standard forms contained in the Specifications with good and sufficient surety or sureties.

The undersigned further agrees that in case he fails to enter into a contract and furnish the required bonds as prescribed by the City Council within ten (10) days after the acceptance of this proposal, the bid security accompanying this proposal shall be forfeited to the City as agreed upon liquidated damages. Liquidated damages for non-compliance with the completion date provisions shall be **Two Hundred Fifty Dollars (\$250.00)** per calendar day.

The undersigned bidder certifies that this proposal is made in good faith, without collusion or connection with any other person or persons bidding on the work.

The undersigned bidder understands that the City Council reserves the right to accept or reject any or all proposals or to waive formality or technicality in any proposal in the interest of the City.

The foregoing unit prices are the basis upon which the undersigned will accept the contract.

PROPOSAL: ACKNOWLEDGMENT OF ADDENDA

The Bidder hereby acknowledges that all addenda become a part of the contract documents when issued, and that each such addendum has been received and utilized in the preparation of this bid. The Bidder hereby acknowledges receipt of the following addenda by inserting the number of each addendum in the blanks below:

ADDENDUM NUMBER _____ ADDENDUM NUMBER _____

ADDENDUM NUMBER _____ ADDENDUM NUMBER _____

and certifies that said addenda were utilized in the preparation of this bid.

PROPOSAL: BID ITEMS, QUANTITIES AND PRICES

UNIT BID PRICE CONTRACTS: The Bidder must provide the Unit Bid Price, the Total Bid Price, any Alternate Prices and the Total Construction Costs on the Proposal Attachment: Bid Items, Quantities, and Prices. In case of discrepancy, the Unit Bid Price governs. The quantities shown on the Proposal Attachment: Bid Items, Quantities and Prices are approximate only, but are considered sufficiently adequate for the purpose of comparing bids. The Total Construction Cost plus any alternates selected by the Jurisdiction shall be used only for comparison of bids. The Total Construction Cost, including any Add-Alternates, shall be used for determining the sufficiency of the bid security.

BASE BID CONTRACTS: The Bidder must provide any Bid Prices, any Alternate Prices, and the Total of the Base Bid plus any Add-Alternates on the Proposal Attachment: Bid Items, Quantities, and Prices. The Total of the Base bid plus any Alternates selected by the Jurisdiction shall be used only for comparison of bids. The Total of the Base Bid plus any Add-Alternates shall be used for determining the sufficiency of the bid security.

PROPOSAL: GENERAL

The Bidder hereby acknowledges that the Jurisdiction, in advertising for public bids for this project reserves the right to:

1. Reject any or all bids. Award of the contract, if any, to be to the lowest responsible, responsive bidder; and
2. Reject any or all alternates in determining the items to be included in the contract. Designation of the lowest responsible, responsive bidder to be based on comparison of the total bid plus any selected alternates; and
3. Make such alterations in the contract documents or in the proposal quantities as it determines necessary in accordance with the contract documents after execution of the contract. Such alterations shall not be considered a waiver of any conditions of the contract documents, and shall not invalidate any of the provisions thereof; and

The Bidder hereby agrees to:

1. Enter into a contract, if this proposal is selected, in the form approved by the Jurisdiction, provide proof of registration with the Iowa Division of Labor in accordance with Chapter 91C of the Iowa Code, and furnish a performance, maintenance, and payment bond; and
2. Forfeit bid security, not as a penalty but as liquidated damages, upon failure to enter into such contract and/or to furnish said bond; and
3. Commence the work on this project on or before a date to be specified in a written notice to proceed by the Jurisdiction, and to fully complete the project **2019 Oleson Park Phases 3-5 Renovation Project**; and to pay liquidated damages for noncompliance with said completion provisions at the rate of Two Hundred Fifty dollars (\$250.00) for each calendar day thereafter that the work remains incomplete.

State of _____)
County of _____) SS.

- (1) He/she is _____ of _____, the Bidder that has submitted the attached Bid, and has authority to execute this proposal on behalf of the Bidder;
- (2) He/she is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;
- (3) That this proposal is not affected by, contingent on, or dependent on any other proposal submitted for any improvement with the Jurisdiction; and;
- (4) That this proposal is genuine and neither the said Bidder nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Bidder, firm or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted or to refrain from bidding in connection with such Contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Bidder, firm or person, to fix the price or prices in the attached Bid or of any other Bidder, or to fix any overhead, profit, or cost element of the Bid price or the Bid price of any other Bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the City of Fort Dodge or any person in the proposed Contract; and
- (5) The price or prices quoted in the attached Bid are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.
- (6) That no individual employed by the Bidder has employed any person to solicit or procure the work on this project, nor will any employee of the Bidder make any payment or agreement for payment of any compensation in connection with the procurement of this project; and
- (7) That no part of the bid price received by the Bidder was or will be paid to any person, corporation, firm, association, or other organization for soliciting the bid, other than the payment of their normal compensation to persons regularly employed by the Bidder whose services in connection with the construction of the project were in the regular course of their duties for the Bidder; and that all statements in this proposal are true.

Respectfully submitted,

CONTRACTOR

BY

TITLE

Date of Letting: **April 16th, 2019**

Bids Received Until: **9:00 A.M.**

BID BOND

KNOW ALL BY THESE PRESENTS:

That we, _____, as Principal, and _____, as Surety, are held and firmly bound unto the CITY OF FORT DODGE, IOWA, as Oblige, (hereinafter referred to as "the Jurisdiction"), in the penal sum of _____

_____dollars (\$_____), lawful money of the United States, for which payment said Principal and Surety bind themselves, their heirs, executors, administrators, successors, and assigns jointly and severally, firmly by these presents.

The condition of the above obligation is such that whereas the Principal has submitted to the Jurisdiction a certain proposal, in a separate envelope, and hereby made a part hereof, to enter into a contract in wiring, for the following described improvements;

2019 Oleson Park Phases 3-5 Renovation Project
(A City of Fort Dodge Public Improvement Project)

NOW, THEREFORE, if said proposal by the Principal be accepted, and the Principal shall enter into a contract with Jurisdiction in accordance with the terms of such proposal, including the provision of insurance and of a bond as may be specified in the contract documents, with good and sufficient surety for the faithful performance of such contract, for the prompt payment of labor and material furnished in the prosecution thereof, and for the maintenance of said improvements as may be required therein, then this obligation shall become null and void; otherwise, the Principal shall pay to the Jurisdiction the full amount of the bid bond, together with court costs, attorney's fees, and any other expense of recovery.

Then this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

By virtue of statutory authority, the full amount of this bid shall be forfeited to the Jurisdiction in liquidation of damages sustained in the event that the Principal fails to execute the contract and provide the bond as provided in the specifications or by law.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extension of the time within which the Jurisdiction may accept such bid or execute such Contract; and said Surety does hereby waive notice of any such extension.

In the event that any actions or proceedings are initiated with respect to this Bond, the parties agree that the venue thereof shall be Webster County, State of Iowa. If legal action is required by the Jurisdiction against the Surety or Principal to enforce the provisions of the bond or to collect the monetary obligation incurring to the benefit of the Jurisdiction, the Surety or Principal agrees to pay the Jurisdiction all damages, costs, and attorney fees incurred by enforcing any of the provisions of this Bond. All rights, powers, and remedies of the Jurisdiction hereunder shall be cumulative and not alternative and shall be in addition to all rights, powers and remedies given to the Jurisdiction, by law. The Jurisdiction may proceed against Surety for any amount guaranteed hereunder whether action is brought against Principal or whether Principal is joined in any such action or actions or not.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations, have caused their corporate seals to be affixed and these presents to be signed by their proper officers this _____ day of _____, 20____.

WITNESS

SURETY:

By _____
Surety Company

Signature Attorney-in-Fact/Officer

Name of Attorney-in-Fact/Officer

Company Name

Company Address

City, State, Zip Code

Company Telephone Number

PRINCIPAL:

By _____
Bidder

Signature

Name (Print/Type)

Title

Address

City, State, Zip Code

Telephone Number

NOTE: All signatures on this bid bond must be original signatures in ink; copies or facsimile of any signature will not be accepted. This bond must be sealed with the Surety's raised, embossing seal. The Certificate or Power of Attorney accompanying this bond must be valid on its face and sealed with the Surety's raised, embossing seal.

CONTRACT

THIS CONTRACT, made and entered this ____ day of _____, **2019**, by and between the City of Fort Dodge by its Mayor, upon order by Resolution of its City Council, hereinafter called the "Jurisdiction", and _____, hereinafter called the "Contractor".

WITNESSETH:

The Contractor hereby agrees to complete the work comprising the below referenced improvement, entitled, **2019 Oleson Park Phases 3-5 Renovation Project**, as specified in the contract documents, which are officially on file with the Jurisdiction, in the office of the City Clerk of Fort Dodge, Iowa. This contract includes all contract documents. The work under this contract shall be constructed in accordance with the current Urban Standard Specifications for Public Improvements and as further modified by the supplemental specifications and special provisions included in said contract documents. The Contractor further agrees to complete the work in strict accordance with said contract documents, and to guarantee the work as required by law, for the time required in said contract documents, after its acceptance by the Jurisdiction.

This contract is awarded and executed for completion of the work specified in the contract documents for the bid prices shown on the proposal submitted by Contractor in accordance with the Notice to Bidders and Notice of Public Hearing for the following described improvements:

2019 Oleson Park Phases 3-5 Renovation Project (A City of Fort Dodge Public Improvement Project)

The Contractor has submitted a proposal, and agrees to perform the work as described and set forth in said plans and specifications, which accurately and fully describe the terms and conditions under which the Contractor is willing to perform said work at the unit prices set forth in said proposal, in consideration of the Jurisdiction's payment of the bid amount of _____ dollars (\$_____), which amount shall constitute the required amount of the performance, maintenance, and payment bond. The Contractor hereby agrees to commence work under this contract on or before a date to be specified in a written notice to proceed by the Jurisdiction and to fully complete the project **2019 Oleson Park Phases 3-5 Renovation Project**; and to pay liquidated damages for noncompliance with said completion provisions at the rate of Two Hundred Fifty dollars (\$250.00) for each "per calendar" day thereafter that the work remains incomplete.

NOW, THEREFORE, IT IS AGREED:

1. That the City hereby accepts the attached proposal of the Contractor for the work and sums listed therein.
2. That this Contract consists of the following component parts which are made a part of this Agreement and Contract, as fully and absolutely as if they were set out in detail in this Contract, and they shall govern in priority as listed below:
 - a. Addenda Numbers
 - b. Standard Specifications
 - c. Plans
 - d. Notice of Hearing and Letting
 - e. Instructions to Bidders
 - f. Special Provisions
 - g. Contractor's Proposal
 - h. This Instrument

3. That payments are to be made to the Contractor in accordance with and subject to the provisions embodied in the documents made a part of this Contract.

4. That this Contract is executed in **Duplicate**.

IN WITNESS WHEREOF, the Parties hereto have hereunto set their hands and seals the date first shown written.

JURISDICTION

CONTRACTOR

By _____
Matt Bemrich, Mayor

Contractor

(Seal)
ATTEST:

By _____
Signature

Jeff Nemmers, City Clerk

Title

FORM APPROVED BY:

Street Address

Mark Crimmins, City Attorney

City, State, Zip Code

Date

Telephone

PERFORMANCE, PAYMENT AND MAINTENANCE BOND

KNOW ALL BY THESE PRESENTS:

That we, _____, as Principal _____ (hereinafter the "Contractor" or "Principal" and _____, as Surety are held and firmly bound unto the City of Fort Dodge, a municipal corporation in Webster County, Iowa, as Obligee (hereinafter referred to as "the Jurisdiction"), and to all persons who may be injured by any breach of any of the conditions of this Bond in the penal sum of _____ dollars (\$ _____), lawful money of the United States, for the payment of which sum, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and legal representatives and assigns, jointly or severally, firmly by these presents.

The conditions of the above obligations are such that whereas said Contractor entered into a written Agreement with the Jurisdiction, bearing date the _____ day of _____, _____, (hereinafter the "Contract") wherein said Contractor undertakes and agrees to construct the following described improvements in accordance with the plans and specifications prepared by the City of Fort Dodge:

2019 Oleson Park Phases 3-5 Renovation Project (A City of Fort Dodge Public Improvement Project)

and to faithfully perform all the terms and requirements of said Contract within the time therein specified, in a good and workmanlike manner, and in accordance with the Contract Documents. Provided, however, that one year after the date of acceptance as complete of the work under the above referenced Contract, the maintenance portion of this Bond shall continue in force but the penal sum for maintenance shall be reduced to the sum of _____ which is the cost associated with those items shown on the proposal and in the Contract which require a maintenance bond period in excess of one year.

It is expressly understood and agreed by the Contractor and Surety in this bond that the following provisions are a part of this Bond and are binding upon said Contractor and Surety, to-wit:

1. **PERFORMANCE:** The Contractor shall well and faithfully observe, perform, fulfill and abide by each and every covenant, condition and part of said Contract and Contract Documents, by reference made a part hereof, for the above referenced improvements, and shall indemnify and save harmless the Jurisdiction from all outlay and expense incurred by the Jurisdiction by reason of the Contractor's default of failure to perform as required. The Contractor shall also be responsible for the default or failure to perform as required under the Contract and Contract Documents by all its subcontractors, suppliers, agents, or employees furnishing materials or providing labor in the performance of the Contract.
2. **PAYMENT:** The Contractor and the Surety on this Bond are hereby agreed to pay all just claims submitted by persons, firms, subcontractors, and corporations furnishing materials for or performing labor in the performance of the Contract on account of which this Bond is given, including but not limited to claims for all amounts due for labor, materials, lubricants, oil, gasoline, repairs on machinery, equipment and tools, consumed or used by the Contractor or any subcontractor, wherein the same are not satisfied out of the portion of the contract price which the Jurisdiction is required to retain until completion of the improvement, but the

Contractor and Surety shall not be liable to said persons, firms, or corporations unless the claims of said claimants against said portion of the contract price shall have been established as provided by law. The Contractor and Surety hereby bind themselves to the obligations and conditions set forth in Chapter 573, Code of Iowa, which by this reference is made a part hereof as though fully set out herein.

3. MAINTENANCE: The Contractor and the Surety on this Bond hereby agree, at their own expense:
 - A. To remedy any and all defects that may develop in or result from work to be performed under the Contract within the period of four (4) year (s) from the date of acceptance of the work under the Contract, by reason of defects in workmanship or materials used in construction of said work;
 - B. To keep all work in continuous good repair; and
 - C. To pay the Jurisdiction's reasonable costs of monitoring and inspection to assure that any defects are remedied, and to repay the Jurisdiction all outlay and expense incurred as a result of Contractor's and Surety's failure to remedy any defect as required by this section.

Contractor's and Surety's agreement herein made extends to defects in workmanship or materials not discovered or known to the Jurisdiction at the time such work was accepted.

4. GENERAL: Every Surety on this Bond shall be deemed and held bound, any contract to the contrary notwithstanding, to the following provisions:
 - A. To consent without notice to any extension of time to the Contractor in which to perform the Contract;
 - B. To consent without notice to any change in the Contract or Contract Documents, which thereby increases the total contract price and the penal sum of this bond, provided that all such changes do not, in the aggregate, involve an increase of more than twenty percent of the total contract price, and that this bond shall then be released as to such excess increase; and
 - C. To consent without notice that this Bond shall remain in full force and effect until the Contract is completed, whether completed within the specified contract period, within an extension thereof, or within a period of time after the contract period has elapsed and the liquidated damage penalty is being charged against the Contractor.

The Contractor and every Surety on the bond shall be deemed and held bound, any contract to the contrary notwithstanding, to the following provisions:

- D. That no provision of this Bond or of any other contract shall be valid which limits to less than five years after the acceptance of the work under the Contract the right to sue on this Bond.
- E. That as used herein, the phrase "all outlay and expense" is not to be limited in any way, but shall include the actual and reasonable costs and expenses incurred

by the Jurisdiction including interest, benefits and overhead where applicable. Accordingly, "all outlay and expense" would include but not be limited to all contract or employee expense, all equipment usage or rental, materials, testing, outside experts, attorneys fees (including overhead expenses of the Jurisdiction's staff attorneys), and all costs and expenses of litigation as they are incurred by the Jurisdiction. It is intended the Contractor and Surety will defend and indemnify the Jurisdiction on all claims made against the Jurisdiction on account of Contractor's failure to perform as required in the Contract and Contract Documents, that all agreements and promises set forth in the Contract and Contract Documents, in approved change orders, and in this Bond will be fulfilled, and that the Jurisdiction will be fully indemnified so that it will be put into the position it would have been in had the Contract been performed in the first instance as required.

In the event the Jurisdiction incurs any "outlay and expense" in defending itself with respect to any claim as to which the Contractor or Surety should have provided the defense, or in the enforcement of the promises given by the Contractor in the Contract, Contract Documents, or approved change orders, or in the enforcement of the promises given by the Contractor and Surety in this Bond, the Contractor and Surety agree that they will make the Jurisdiction whole for all such outlay and expense, provided that the Surety's obligation under this bond shall not exceed 125% of the penal sum of this bond.

In the event that any actions or proceedings are initiated with respect to this Bond, the parties agree that the venue thereof shall be Webster County, State of Iowa. If legal action is required by the Jurisdiction to enforce the provisions of this Bond or to collect the monetary obligation incurring to the benefit of the Jurisdiction, the Contractor and the Surety agree, jointly and severally, to pay the Jurisdiction all outlay and expense incurred therefore by the Jurisdiction. All rights, powers, and remedies of the Jurisdiction hereunder shall be cumulative and not alternative and shall be in addition to all rights, powers and remedies given to the Jurisdiction, by law. The Jurisdiction may proceed against surety for any amount guaranteed hereunder whether action is brought against the Contractor or whether Contractor is joined in any such action or actions or not.

NOW THEREFORE, the condition of this obligation is such that if said Principal shall faithfully perform all the promises of the Principal, as set forth and provided in the Contract, in the Contract Documents, and in this Bond, then this obligation shall be null and void, otherwise it shall remain in full force and effect.

When a work, term, or phrase is used in this Bond, it shall be interpreted or construed first as defined in this Bond, the Contract, or the Contract Documents; second, if not defined in the Bond, Contract, or Contract Documents, it shall be interpreted or construed as defined in applicable provisions of the Iowa Code; third, if not defined in the Iowa Code, it shall be interpreted or construed according to its generally accepted meaning in the construction industry; and fourth, if it has no generally accepted meaning in the construction industry, it shall be interpreted or construed according to its common or customary usage.

Failure to specify or particularize shall not exclude terms or provisions not mentioned and shall not limit liability hereunder. The Contract and Contract Documents are hereby made a part of this Bond.

Witness our hands, in duplicate, this _____ day of _____, _____.

Surety Countersigned By:

PRINCIPAL:

Signature of Iowa Resident Commission Agent as
Prescribed by Chapter 515.52-57, Iowa Code.
(Required only if Attorney-in-Fact is not also an
Iowa Resident Commission Agent).

Contractor

By: _____

Signature

Name of Resident Commission Agent

Title

Company Name

SURETY:

Company Address

Surety Company

City, State, Zip Code

By: _____

Signature Attorney-in-Fact Officer

Company Telephone Number

Name of Attorney-in-Fact Officer

Company Name

Company Address

FORM APPROVED BY:

City, State, Zip Code

Mark Crimmins, City Attorney

Company Telephone Number

NOTE:

1. All signatures on this performance, payment & maintenance bond must be original signatures in ink; copies or facsimile of any signature will not be accepted.
2. This bond must be sealed with the Surety's raised, embossing seal.
3. The Certificate or Power of Attorney accompanying this bond must be valid on its face and sealed with the Surety's raised, embossing seal.
4. The name and signature of the Surety's Attorney-in-Fact/Officer entered on this bond must be exactly as listed on the Certificate or Power of Attorney accompanying this bond

SPECIAL PROVISIONS

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SPECIAL PROVISIONS

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SPECIAL PROVISIONS

1. GENERAL

When requirements of the Standard Specifications conflict with these Special Provisions or the Plans, the Special Provisions shall govern. Questions that arise because of said conflicts shall be submitted to the Engineer for clarification.

The Contractor shall provide all necessary labor, tools, equipment and material required to complete the work in conformance with the Plans and Specifications. The work shall be completed in every detail despite the omission or specific reference to any minor detail.

2. COMPLETION DATE AND ENGINEERING COSTS AFTER OFFICIAL DATE OF COMPLETION

The completion date of this Contract shall be as set forth in the Notice and the Proposal contained elsewhere in these specifications. A Notice to Proceed shall be issued by the Owner or his authorized agent stating the date on, or before which, the Contractor shall begin work. The date set forth in this Notice shall be considered as the official starting date and the Contract completion shall be computed from this date. The work covered by and included in this Contract shall be prosecuted regularly and uninterruptedly from the time specified for commencement until all work is completed in every detail to the satisfaction of the Engineer.

Should the Contractor fail to complete the construction work on or before the specified date of completion, it is understood that the Owner will sustain pecuniary damages in the form of, among others, extra engineering costs. It is therefore expressly agreed between the parties here concerned, that the Contractor shall remunerate the Owner for such pecuniary loss and damage by paying the Owner, at the time of final settlement, the pre-agreed amount as set forth in the Notice and the Proposal for each and every calendar day remaining after the expiration of the contract period.

3. BID BONDS

If the Contractor chooses to submit a Bid Bond in lieu of a certified or cashier's check or credit union share draft, the Bid Bond form enclosed in the Specifications shall be used. NO OTHER BID BOND FORM WILL BE ACCEPTED BY THE OWNER.

4. BIDDER'S INFORMATION

An extra Proposal form and Bid Bond are included in the back of the Specifications. The Contractor shall submit his Proposal and Bid Security to the Owner in SEPARATE, sealed envelopes.

5. PERFORMANCE, PAYMENT, AND MAINTENANCE BOND

The successful bidder shall be required to furnish a Performance and Payment Bond, using the bond forms included in the specifications and contract documents. NO OTHER BOND FORM WILL BE ACCEPTED BY THE OWNER. Said bond shall be in an amount equal to one hundred (100%) percent of the contract price, said bond to be issued by a responsible surety, approved by the Owner, and shall guarantee the faithful performance

of the contract and the terms and conditions therein contained, and the maintenance of said improvements for the Owner as required by law.

6. UNBALANCED BIDS

No unbalanced bids will be accepted. The Owner reserves the right to reject any bid that the Engineer determines to be an unbalanced bid.

7. ACKNOWLEDGEMENT OF ADDENDA

Prior to the bid date for the project, as set forth in the Notice, Addenda to the Plans and/or Specifications for the project may be issued by the Engineer. The Contractor, or his authorized agent, must acknowledge and initial receipt of all Addenda on his Proposal form in order that his Proposal may be considered. Failure to acknowledge receipt of Addenda may be cause for recommendation by the Engineer to reject the Proposal.

8. INSPECTION

Inspection of the construction work will be under the control of the Engineer. No work shall be started without the approval of the Engineer.

9. UTILITY RELOCATION

The respective utility companies will do the relocation of utilities, if needed, that are not included in this contract. It shall be the Contractor's responsibility to schedule and coordinate the necessary relocations.

10. NOTIFICATION OF UTILITY COMPANIES

It shall be the Contractor's responsibility to notify any affected utility company prior to starting of any construction. The Contractor shall utilize the "Iowa One Call" System (1-800-292-8989).

11. COMPLIANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES

The Contractor shall comply with all applicable Federal, State and local laws throughout the duration of this Contract. The fact that the applicable laws are not specifically noted in the Specifications does not relieve the Contractor of his responsibility to comply with said laws.

12. EXTENSION OF TIME

If the Contractor requests an extension of time to complete the project, and said extension is allowed, the extension shall be made by issuing a Change Order to the Contract. No other means shall be construed to be an official extension of the completion date.

13. BARRICADES, GUARDS AND SAFETY PROVISIONS

To protect persons from injury and to avoid property damage, adequate barricades and construction signs shall be placed and maintained during the progress of the construction work and until it is safe for traffic to use the highway or street. All material piles, equipment and pipe which may serve as obstructions to traffic shall be enclosed by fences or barricades, and shall be protected by proper lights when visibility is poor. It shall be the Contractor's responsibility to maintain all fencing, signs, and barricades during the project. Any cost incurred by the Engineers, or the Owner, to set up or replace these protective devices, shall be back-charged to the Contractor.

14. TRAFFIC

All traffic control devices used on street construction or maintenance work shall conform to the applicable Specifications of this Manual, and the Manual on Uniform Traffic Control Devices of the State of Iowa.

Contractor shall be registered to perform work within the City's right of way (ROW) with the City. Contractor shall obtain the necessary ROW permits and submit the required traffic control plan two days prior the construction activities. Contractor shall be responsible for all fees associated with ROW permits.

Traffic control devices shall be set up prior to the start of construction operations and shall be properly maintained during the time such conditions exist. Traffic control plans shall be provided by Contractor and approved by the Owner.

15. MOBILIZATION

The Contractor shall distribute cost incurred for mobilization among all bid items on the Proposal.

16. SAFETY REGULATIONS

This Contract shall be subject to the provisions of the Williams-Steiger Occupational Safety and Health Act of 1970. The cost of providing said safety measures shall be considered incidental to the project, and shall be included in the bid prices submitted by the Contractor.

17. SALES TAX FORM

The City of Fort Dodge is intending to issue Iowa Sales Tax Exemption certificates and authorization letters to the contractors and sub-contractors on this project. With this authorization, the contractor will not be required to pay Iowa Sales Tax on material which will remain at the project site.

18. LIEN WAIVER REQUIREMENTS

The Contractor shall be required to furnish lien waiver forms to applicable material and equipment suppliers for their execution. Said form(s) shall be submitted prior to the release of the final five (5) percent retainage.

19. SUB-CONTRACTS

The Contractor may sub-contract portions of the work; however, if the sub-contract exceeds \$50,000, he must name such intended sub-contract in the bid Proposal. The Contractor shall not sub-contract more than 50% of the value of the work. No sub-contract shall be made unless approved by the Owner.

20. PAYMENT ESTIMATES

The Contractor shall be paid in accordance to the terms set forth in the Notice of Hearing and Letting. The Contractor shall submit monthly payment estimates to the Engineer for his review and approval.

21. CLOSING STREETS TO TRAFFIC

The Contractor shall be responsible to notify, at least 24 hours in advance, the Fire Department and Police Department as to the closing of any street or public thoroughfare. All street closings or partial closings will be subject to approval of the Engineer. The Engineer may refuse to permit the closing of additional streets until such time as work has been completed on previously closed streets and they are open to traffic.

22. EXTRA WORK

For all extra work, which may be required, the Contractor shall supply the Engineer with invoices for all materials used. If the extra work is sublet, the aforementioned requirements shall apply to the Sub-Contractor, and it shall be the prime Contractor's responsibility to furnish this information to the Engineer **before** commencement of the extra work.

23. ASPHALT WEDGE AT DRIVEWAYS

The contractor shall blend overlays into driveways so as not to pond water. Edges shall be milled in the driveway to provide a smooth transition.

24. RIGHT TO ADD OR DELETE WORK

The City reserves the right to add or delete work as shown on the plans to meet budget constraints.

25. AWARD OF THE CONTRACT

The Owner shall award a single contract for this project. Bidders shall complete all items on the proposal. Incomplete proposals shall be considered to be non-responsive and shall not be considered.

26. REMOVAL ITEMS - AND DISPOSAL

Trees, walks, drives, curbs, asphalt, manholes, intakes, etc., that will be removed shall be hauled to a disposal site that the Contractor selects. The Contractor shall contact the City prior to the start of disposal operations, to determine if the City desires to retain any of the removal items.

27. NOTIFICATION REQUIREMENTS

Contractor shall provide a minimum of 48 hours notice to both City Engineering Staff and residents affected by street repair work. Notification to residents that are affected shall be in the form of door tags that at a minimum state the following information:

- Date and time of Work
- Date and time in which vehicles should be removed from on street parking
- Instruct residents to use adjacent streets for parking before, during and after construction activities.
- Provide date and time in which vehicles can return to normal conditions.
- Contractor's contact number

CITY OF FORT DODGE

OLESON PARK IMPROVEMENTS

FORT DODGE, IOWA

CONSTRUCTION PLANS FOR:

ISG PROJECT # 18-21961



NOTE:
THE CLARITY OF THESE PLANS DEPEND
UPON COLOR COPIES. IF THIS TEXT DOES
NOT APPEAR IN COLOR, THIS IS NOT AN
ORIGINAL PLAN SET AND MAY RESULT IN
MISINTERPRETATION.

THIS DOCUMENT IS THE PROPERTY OF I & S GROUP,
INC. AND MAY NOT BE USED, COPIED OR DUPLICATED
WITHOUT PRIOR WRITTEN CONSENT.

PROJECT

CITY OF
FORT DODGE

OLESON PARK
IMPROVEMENTS

FORT DODGE IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	18-21961
FILE NAME	21961 C0-TITLE
DRAWN BY	PJJ
DESIGNED BY	NSG
REVIEWED BY	NSG/DAJ
ORIGINAL ISSUE DATE	03/29/19
CLIENT PROJECT NO.	-

TITLE

TITLE SHEET

SHEET

C0-10

LEGEND

EXISTING	
	CITY LIMITS
	SECTION LINE
	QUARTER SECTION LINE
	RIGHT OF WAY LINE
	PROPERTY / LOTLINE
	EASEMENT LINE
	ACCESS CONTROL
	WATER EDGE
	WETLAND BOUNDARY
	WETLAND / MARSH
	FENCE LINE
	CULVERT
	STORM SEWER
	SANITARY SEWER
	SANITARY SEWER FORCEMAIN
	WATER
	GAS
	OVERHEAD ELECTRIC
	UNDERGROUND ELECTRIC
	UNDERGROUND TELEPHONE
	UNDERGROUND TV
	OVERHEAD UTILITY
	UNDERGROUND UTILITY
	UNDERGROUND FIBER OPTIC
	CONTOUR (MAJOR)
	CONTOUR (MINOR)
	DECIDUOUS TREE
	CONIFEROUS TREE
	TREE LINE
	MANHOLE/STRUCTURE
	CATCH BASIN
	HYDRANT
	VALVE
	CURB STOP
	POWER POLE
	UTILITY PEDESTAL / CABINET
PROPOSED	
	LOT LINE
	RIGHT OF WAY
	EASEMENT
	CULVERT
	STORM SEWER
	STORM SEWER (PIPE WIDTH)
	SANITARY SEWER
	SANITARY SEWER (PIPE WIDTH)
	WATER
	GAS
	OVERHEAD ELECTRIC
	UNDERGROUND ELECTRIC
	UNDERGROUND TV
	CONTOUR
	MANHOLE
	CATCH BASIN
	HYDRANT
	VALVE



PROJECT LOCATION

LOCATION MAP



UTILITIES:

GAS AND ELECTRIC
MIDAMERICAN
ENERGY COMPANY
1-888-427-5632

IOWA ONE CALL
1-800-292-8989
OR 811

FORT DODGE WATER
AND SEWER
UTILITIES
515-574-4311

GIS MAP DISCLAIMER:

INFORMATION FOR THE BOUNDARY / LOT LINES, AND
UNDERGROUND UTILITIES SHOWN WAS DERIVED FROM
DIGITAL DATABASES AND IS FOR INFORMATIONAL
PURPOSES ONLY. DATA MAY NOT HAVE BEEN
PREPARED FOR, OR BE SUITABLE FOR: LEGAL,
ENGINEERING, OR SURVEYING PURPOSES.

SHEET LIST

Sheet Number	Sheet Title
C0-10	TITLE SHEET
C0-20	CONSTRUCTION NOTES
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C0-31	SITE DETAILS
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C2-11	EXISTING SITE & REMOVAL PLAN (SOUTH)
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SEAL	I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA. DEREK ALAN JOHNSON
	PRINTED SIGNATURE 03/29/19 SIGNATURE DATE 12/31/2019 REGISTRATION EXPIRES SHEETS COVERED BY THIS SEAL C0-10 THRU C4-21

SEAL	I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF IOWA. NATHAN S. GRUVER
	PRINTED SIGNATURE 03/29/19 SIGNATURE DATE 06/30/2019 REGISTRATION EXPIRES SHEETS COVERED BY THIS SEAL C5-10 & C5-11

SEAL	I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA. MICHAEL D. NELSON
	PRINTED SIGNATURE 03/29/19 SIGNATURE DATE 12/31/2020 REGISTRATION EXPIRES SHEETS COVERED BY THIS SEAL C6-10 THRU C6-30

PROJECT INDEX:

OWNER:

CITY OF FORT DODGE
819 1ST AVE SOUTH
FORT DODGE, IA 50501
PH: 515.573.7144

PROJECT ADDRESS / LOCATION:

OLESON PARK
12TH AVE SOUTH & SOUTH 17TH ST
FORT DODGE, IA 50501

MANAGING OFFICE:

DES MOINES OFFICE
508 EAST LOCUST STREET
DES MOINES, IA 50309
PHONE: 515.243.9143

PROJECT MANAGER: NATHAN GRUVER
EMAIL: NATHAN.GRUVER@IS-GRP.COM



SPECIFICATIONS REFERENCE

ALL CONSTRUCTION SHALL COMPLY WITH THE CITY OF FORT DODGE REQUIREMENTS AND WITH THE 2018 EDITION OF THE STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS) FOR PUBLIC IMPROVEMENTS, UNLESS DIRECTED OTHERWISE.

PROJECT DATUM

HORIZONTAL COORDINATES HAVE BEEN REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83), ZONE 4, ON THE IOWA REGIONAL COORDINATE SYSTEM, IN U.S. SURVEY FEET. ELEVATIONS HAVE BEEN REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). RTK GPS METHODS WERE USED TO ESTABLISH HORIZONTAL AND VERTICAL COORDINATES FOR THIS PROJECT.

B.M. ELEVATION=1109.30
LOCATED ON SOUTHERN LIGHT POLE
ADJACENT TO PARK

TOPOGRAPHIC SURVEY

THIS PROJECT'S TOPOGRAPHIC SURVEY CONSISTS OF DATA COLLECTED ON JULY 30, 2018 BY ISG.

CONSTRUCTION NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH OSHA CODES AND STANDARDS. NOTHING INDICATED ON THE DRAWINGS SHALL RELIEVE THE CONTRACTOR FROM COMPLYING WITH ANY APPROPRIATE SAFETY REGULATIONS.
2. ALL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS. WHICH INCLUDE, BUT ARE NOT LIMITED TO, THE OWNER - CONTRACTOR AGREEMENT, THE PROJECT MANUAL (WHICH INCLUDES GENERAL SUPPLEMENTARY CONDITIONS AND SPECIFICATIONS), DRAWINGS OF ALL DISCIPLINES AND ALL ADDENDA, MODIFICATIONS AND CLARIFICATIONS ISSUED BY THE ARCHITECT / ENGINEER.
3. CONTRACT DOCUMENTS SHALL BE ISSUED TO ALL SUBCONTRACTORS BY THE GENERAL CONTRACTOR IN COMPLETE SETS IN ORDER TO ACHIEVE THE FULL EXTENT AND COMPLETE COORDINATION OF ALL WORK.
4. ALL PROPERTY PINS SHALL BE PROTECTED FROM GRADING OR OTHER OPERATIONS. ANY PINS DISTURBED SHALL BE RESET AT THE CONTRACTOR'S EXPANSE.
5. THE CITY OF FORT DODGE STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS AND CURRENT EDITION OF THE STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS) SHALL APPLY TO CONSTRUCTION WORK ON THE PROJECT. A FULL IOWA SUDAS SPECIFICATIONS MANUAL CAN BE FOUND ONLINE FOR FREE AT WWW.IOWASUDAS.ORG.
6. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. NOTIFY ARCHITECT / ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
7. THE WORK TO BE ACCOMPLISHED FOR THE CONSTRUCTION OF THIS PROJECT WILL OCCUR ON OWNER'S PROPERTY. THE CONTRACTOR SHOULD CONFINE OPERATIONS, PEOPLE, AND EQUIPMENT TO THE OWNER'S PROPERTY.
8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE WASTE AREAS OR DISPOSAL SITES FOR EXCESS MATERIALS NOT TO BE INCORPORATED IN THE WORK INVOLVED IN THE PROJECT (UNSUITABLE EXCAVATION, WASTE PIPE, ETC.).
9. PUBLIC UTILITY FIXTURES ARE EXISTING WITHIN THE CONSTRUCTION AREA. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNERS OF THESE UTILITIES PRIOR TO THE BEGINNING OF ANY CONSTRUCTION. THE CONTRACTOR SHALL AFFORD ACCESS TO THESE FACILITIES FOR ANY NECESSARY MODIFICATION OF SERVICES. NO ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR ANY INTERFERENCE OR DELAY CAUSED BY SUCH WORK.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR GRADING AND PREPARING AREAS DISTURBED BY CONTRACTOR'S OPERATIONS FOR SEEDING. ALL DEBRIS GREATER THAN GOLF BALL SIZE SHALL BE REMOVED AND AREA SHALL BE RAKED SMOOTH. CONTRACTOR SHALL NOT DISTURB AREAS OUTSIDE OF THE OWNER'S PROPERTY DURING OPERATIONS AND SHALL MAKE A REASONABLE EFFORT TO NOT DISTURB AREAS GREATER THEN NECESSARY DURING CONSTRUCTION. AREAS OF NONGERMINATION WILL BE RESEEDED AND REFERTILIZED BY THE CONTRACTOR. COST IS TO BE CONSIDERED INCIDENTAL.
11. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO SECURE ALL NECESSARY TRAFFIC CONTROL SIGNS, DEVICES, ETC., AND TO PLACE, MAINTAIN, AND REMOVE SAME AS CONSTRUCTION COMMENCES AND IS COMPLETED IN ACCORDANCE WITH THE CURRENT EDITION OF THE IOWA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS & HIGHWAYS. FAILURE TO COMPLY WITH THIS PORTION OF THE SPECIFICATIONS WILL RESULT IN SUSPENSION OF WORK UNTIL THE SITUATION IS CORRECTED. A REDUCTION IN THE LUMP SUM TO BE PAID WILL BE MADE FOR EXCESSIVE NONCOMPLIANCE WITH REQUIRED TRAFFIC CONTROL. NO WORK SHALL COMMENCE IN ANY GIVEN AREA UNTIL ALL APPROPRIATE TRAFFIC CONTROL IS IN PLACE.
12. THE CONTRACTOR SHALL NOT DISTURB GRASSED AREAS AND TREES OUTSIDE THE CONSTRUCTION LIMITS. TREES AND BUSHES SHALL BE RETAINED AS POSSIBLE. THE CONTRACTOR WILL NOT BE PERMITTED TO PARK SERVICE VEHICLES AND EQUIPMENT OR USE THESE AREAS FOR STORAGE OF MATERIALS. STORAGE, PARKING AND SERVICE AREA(S) WILL BE SUBJECT TO APPROVAL OF THE ENGINEER AND CITY.
13. ALL EXISTING TREES AND BUSHES SHALL BE MAINTAINED AND PROTECTED UNLESS NOTED OTHERWISE. AREAS OF HAND FORMING MAY BE REQUIRED TO PROTECT TRESS.
14. THE CONSTRUCTION OPERATIONS ARE TO TAKE PLACE IN A RESIDENTIAL AREA. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE REQUIREMENTS INCLUDED IN THE SPECIFICATIONS IN REGARD TO POSITIVE DUST CONTROL DURING ALL OPERATIONS TO INCLUDE REMOVAL, CLEAN UP, ETC.
15. CONTRACTOR SHALL PROVIDE BARRICADES AND SIGNS IDENTIFYING VEHICLES AND OBSTACLES IN THE DRIVEN ROADWAYS.

16. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS, NOTIFY ARCHITECT / ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRED INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
17. EXISTING STORM SEWERS, SANITARY SEWERS, AND WATER MAINS ARE LOCATED BASED ON CITY RECORDS AND ACTUAL LOCATIONS MAY VARY GREATLY FROM THAT SHOWN. THE LOCATIONS AND TYPE OF ALL INPLACE UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY AND ARE ACCURATE AND COMPLETE TO THE BEST OF THE KNOWLEDGE OF ISG. NO WARRANTY OR GUARANTEE IS IMPLIED. THE CONTRACTOR SHALL VERIFY THE SIZES, LOCATIONS, AND ELEVATIONS OF ALL INPLACE UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES OR VARIATIONS FROM PLAN.
18. CONTRACTOR SHALL REPLACE AND REPAIR ALL EXISTING STORM SEWERS THAT ARE ENCOUNTERED DURING CONSTRUCTION IN ACCORDANCE WITH THE SPECIFICATION. CONTRACTOR SHALL USE 2000D RCP WITH FLEXIBLE O-RING GASKET JOINTS, PLACE PIPES SO JOINTS ARE NOT DIRECTLY OVER WATER MAIN, AND RECONNECT TO EXISTING STORM SEWER WITH REINFORCED FERNCO COUPLING.
19. PROPOSED WATER DISTRIBUTION LINE SHALL BE INSTALLED WITH A MINIMUM OF FIVE AND ONE-HALF (5.5') OF COVER. IN LOCATIONS WITH A SEPARATION DISTANCE OF LESS THAN TEN FEET (10') FROM SANITARY SEWER OR STORM SEWER, THE SANITARY SEWER OR STORM SEWER SHALL BE INSTALLED EIGHTEEN INCHES (18") BELOW THE BOTTOM OF THE WATER MAIN AND SHALL BE PLACED IN A SEPARATE TRENCH AT A MINIMUM HORIZONTAL SEPARATION OF THREE FEET PER SUDAS SPECIFICATIONS.
20. AT ALL SANITARY SEWER AND WATER MAIN CROSSOVER, MAINTAIN A MINIMUM OF 18" SEPARATION BETWEEN BOTTOM OF WATER MAIN AND TOP OF SEWER. PLACE ONE FULL LENGTH OF WATER PIPE, LOCATED SO BOTH JOINTS ARE AS FAR AS POSSIBLE FROM SEWER. USE LOW PERMEABILITY SOIL FOR BACKFILL WITHIN 10' OF CROSSOVER.
21. THRUST BLOCKS SHALL BE POURED CONCRETE, INSTALLED BEHIND ALL BENDS, TEES AND DEAD ENDS IN ACCORDANCE WITH SPECIFICATIONS.
22. A NEAT VERTICAL EDGE WILL BE REQUIRED FOR ALL JOINTS BETWEEN THE NEW PAVEMENT SURFACE AND EXISTING PAVING AS SHOWN IN THE PLANS. SAW CUTTING OR OTHER TECHNIQUES MAY BE USED TO PROVIDE THIS EDGE. COST OF THE SAW CUT IS TO BE CONSIDERED INCIDENTAL. ADDITIONAL REMOVAL AND REPLACEMENT DUE TO THE CONTRACTOR'S OPERATION WILL BE MEASURED SEPARATELY BUT WILL BE THE CONTRACTOR'S RESPONSIBILITY.
23. ANY DEWATERING NECESSARY FOR CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO INDIVIDUAL CONSTRUCTION ITEM. THE CONTRACTOR SHALL INSPECT AND VERIFY SOIL CONDITIONS AS NECESSARY IN ORDER TO DETERMINE THE TYPE OF CONSTRUCTION TO EMPLOY. DETAILS SHOWN ARE INTENDED TO BE INDICATIVE OF THE PROFILES AND TYPE OF DETAILING REQUIRED THROUGHOUT THE WORK. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO DETAILS SHOWN. WHERE SPECIFIC DIMENSIONS, DETAILS, OR DESIGN INTENT CANNOT BE DETERMINED, NOTIFY ARCHITECT / ENGINEER BEFORE PROCEEDING WITH THE WORK.
24. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED, ERECTED, CLEANED, AND CONDITIONED ACCORDING TO MANUFACTURERS' INSTRUCTIONS. IN CASE OF DISCREPANCIES BETWEEN MANUFACTURERS' INSTRUCTIONS AND THE CONTRACT DOCUMENTS, NOTIFY ARCHITECT / ENGINEER BEFORE PROCEEDING WITH THE WORK.
25. ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO AVOID GALVANIC CORROSION.
26. THE LOCATION AND TYPE OF ALL INPLACE UTILITIES SHOWN ON THE PLANS ARE ACCURATE AND COMPLETE TO THE BEST OF THE KNOWLEDGE OF ISG. NO WARRANTY OR GUARANTEE IS IMPLIED. THE CONTRACTOR SHALL VERIFY THE SIZES, LOCATIONS AND ELEVATIONS OF ALL INPLACE UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES OF VARIATIONS FROM PLAN.
27. THIS SITE WILL HAVE SAWCUTTING AND/OR CONCRETE GRINDING, SO PROTECTION OF STORM SEWERS AND DRAINAGE WAYS WILL NEED TO BE PROTECTED FROM SLURRY FROM THE CONCRETE OPERATION TO DISCHARGE OFFSITE.
28. THE CONTRACTOR IS TO CONTACT "IOWA ONE CALL" FOR UTILITY LOCATIONS, 48 HOURS PRIOR TO EXCAVATION / CONSTRUCTIONS (1-800-292-8989).



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PROJECT
**CITY OF
FORT DODGE**
**OLESON PARK
IMPROVEMENTS**

FORT DODGE IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	18-21961
CAD FILE NAME	21961 CO-DETAILS
DRAWN BY	PJJ
DESIGNED BY	NSG
REVIEWED BY	DAJ/NSG
ORIGINAL ISSUE DATE	03/29/19
CLIENT PROJECT NO.	-

TITLE

CONSTRUCTION
NOTES

SHEET

C0-20

ESTIMATE REFERENCE INFORMATION			UNIT	TOTAL
BASE BID				
ITEM NO.	ITEM CODE	DESCRIPTION		
1	11020-68-A-0	MOBILIZATION REFER TO SUDAS	LS	1
2	8030-A-0	TRAFFIC CONTROL REFER TO CONSTRUCTION NOTES	LS	1
3	2010-108-C-0	CLEARING AND GRUBBING ITEM IS FOR CLEARING AND GRUBBING OF TREES, LOGS, STUMPS, ROOTS, HEDGE, BRUSH, FENCE, SIGNS, VEGETATION IN EXCESS FILL MATERIAL LOCATION, AND ANY OTHER DEBRIS LOCATED IN PROJECT AREA. QUANTITIES SHALL BE CONSIDERED FINAL AND THE CONTRACTOR IS RESPONSIBLE FOR THE DISPOSAL OF ALL REMOVED MATERIAL.	LS	1
4	2010-108-D-1	STRIP, SALVAGE, & SPREAD TOPSOIL, 6" ALL DISTURBED AREAS SHALL BE DRESSED WITH A MINIMUM OF 6" OF TOPSOIL.	CY	250
5	2010-108-E-0	CLASS 10 EXCAVATION, COMMON EXCAVATION INCLUDES PLACEMENT AND GRADING TO MEET FINAL SUBGRADE ELEVATIONS. A 30% SHRINKAGE FACTOR WAS USED FOR ESTIMATING THE COMPACTED VOLUME OF THE FILL, AND A 10% SHRINKAGE FACTOR WAS ALSO APPLIED FOR COMPACTION OF THE SUBGRADE PREPARATION.	CY	927
6	2010-108-I-0	SUBGRADE PREPARATION SUBGRADE IS TO BE SCARIFIED, MIXED AND RE-COMPACTED TO A DEPTH OF 6" - 12" (DEPENDING ON THE LOCALIZED CONDITION) AND TO A WIDTH OF 2'-6" BEHIND THE NEW PAVEMENT LINE AND 6" BEYOND SIDEWALK. INCLUDES PROOF ROLLING OF SUBGRADE.	SY	1450
7	2010-108-I-0	SUBBASE, 6", CRUSHED STONE SUBBASE IS TO BE COMPACTED TO A DEPTH OF 6" AND TO A WIDTH OF 2'-6" BEHIND THE NEW PAVMENT LINE. SUBBASE IS TO BE PROOF ROLLED. COST OF PROOF ROLLING AND ANY OTHER COMPACTION TESTING REQUIRED IS CONSIDERED INCIDENTAL TO THIS ITEM. MATERIAL SHALL COMPLY WITH GRADATION #12A, CRUSHED STONE, AND IN ACCORDANCE WITH IOWA DOT SPECIFICATION 4121.02 A. CRUSHED PCC PAVEMENT AND RECYCLED HMA WILL NOT BE ALLOWED.	SY	3300
8	5010-108-E-1	WATER SERVICE LINE, HDPE, 1" INCLUDES CONNECTING TO EXISTING WATER MAIN, CORPERATION SERVICE PIPE, TRACER WIRRE STATION (2).	LF	152
9	5010-103-E-3	WATER SERVICE CURB STOP, BOX, AND SERVICE CORPERATION SHALL BE MINNIAPOLIS STYLE CURB STOP AND CURB BOX.	EA	2
10	7030-108-E-3	SIDEWALK, 5", PCC (BASE BID) USE C MIX WITH CLASS 3 COARSE AGGREGATE DURABILITY. COARSE AGGREGATE SHALL BE LIMESTONE. ITEM INCLUDES SUBBASE, FORMWORK, ADDITIONAL THICKNESS AT THICKENED EDGES, JOINTING, SAMPLING, SMOOTHNESS, AND TESTING. ALSO INCLUDES NECESSARY GRADING AND BACKFILLING WITH TOPSOIL AND REMOVAL OF TREE ROOTS WITHIN 6" OF SIDEWALK IN ALL DIRECTIONS. QUANTITY MAY VARY FROM THAT SHOWN.	SY	1167
11	7020-108-A-0	HOT MIX ASPHALT STANDARD TRAFFIC PARK ROADS AND PARKING AREAS, 4" BASE COURSE, 1/2" MIX AND 2" SURACING COURSE USE 1/2" MIX, NO SPECIAL FRICTION REQUIREMENT, TYPE A AGGREGATE WITH 60% CRUSHED PARTICLES. 58-285 ASPHALT BINDER AND TACK COATS ARE TO BE INCLUDED IN UNIT PRICE BID. INCLUDES PROVIDING QUALITY CONTROL FOR HMA ACCORDING TO SECTION 7020-305-A-0. BASE COURSE SHALL BE PLACED IN TWO LIFTS OF 2 INCHES EACH LIFT.	TN	1100
12	7030-108-H-1	DRIVEWAY, 7", PCC SUDAS STANDARD TYPE B USE C MIX WITH CLASS 3 COARSE AGGREGATE DURABILITY. COARSE AGGREGATE SHALL BE LIMESTONE. ITEM INCLUDES FORMWORK, ADDITIONAL THICKNESS AT THICKENED EDGES, JOINTING, SAMPLING, AND TESTING. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE SAMPLES PREPARED AND TESTED AT AN APPROVED INDEPENDENT LABORATORY AND TO SEND THE RESULTS TO THE ENGINEER. ALL TRANSVERSE JOINTS SHALL BE C JOINTS UNLESS OTHERWISE SPECIFIED. INCLUDES CURB AND GUTTER. SEE SUDAS TYPE B WITH RADII PER DETAIL 7030.102	SY	160
13	7030-108-A-0	REMOVE GRANULAR SURFACING INCLUDES REMOVAL AND DISPOSAL OF EXISTING GRANULAR SURFACE AS INDICATED ON PLAN SHEETS. CONTRACTOR MAY UTILIZE EXISTING GRANULAR SURFACE FOR STABILIZED CONSTRUCTION ENTRANCE. CONTRACTOR SHALL REMOVE WHAT IS NECESSARY FOR GRADING AND SITE RESTORATION.	SY	900
14	7040-108-H-0	PAVEMENT, REMOVAL INCLUDES REMOVING EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, SIDEWALK, HOT MIX ASPHALT PAVEMENT, AND CURB AND GUTTER AS INDICATED ON PLANS. INCLUDES FULL-DEPTH SAW CUT, BREAKING, REMOVING AND DISPOSAL. MATERIAL REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND CONTRACTOR SHALL PROCURE LOCATION TO DISPOSE OF MATERIAL.	SY	1790
15	9010-108-B-0	SEEDING, FERTILIZING AND MULCHING (HYDRAULIC) INCLUDES ALL MATERIALS AND LABOR REQUIRED TO PREPARE SEED BED, SEED, FERTILIZER AND ESTABLISH GROWTH IN ALL URBAN GRASSED AREAS DISTURBED. USE TYPE 1 URBAN SEED MIXTURE. SEED MIXTURE SHALL BE SUITABLE FOR SHADED AREAS. INCLUDES SUPPLEMENTAL WATERING AS REQUIRED AND RESEEDING AREAS OF NON-GERMINATION.	AC	2.11
16	9040-108-N-1	SILT FENCE INCLUDES FURNISHING AND INSTALLING SILT FENCE PER SUDAS SPECIFICATIONS. SILT FENCE LOCATIONS AND SIZES ARE APPROXIMATE. EXACT LOCATION AND LENGTH OF SILT FENCE NEEDED WILL BE DETERMINED DURING CONSTRUCTION.	LF	1300
17	9040-108-N-2	SILT FENCE, CLEANOUT IF ACCUMULATED SEDIMENT REACHES A LEVEL ONE-HALF THE HEIGHT OF THE FENCE, REMOVE THE ACCUMULATED SEDIMENT. THE SILT FENCE SHALL BE CAREFULLY INSPECTED AND ANY MAINTENANCE NEEDED SHALL BE INCLUDED IN BID ITEM.	LF	1300
18	9040-108-N-3	SILT FENCE, REMOVAL INCLUDES RESTORATION OF THE AREA TO FINISHED GRADE AND REMOVAL AND DISPOSAL OF FENCE, POSTS, AND ACCUMULATED SEDIMENT. REMOVE AFTER CONSTRUCTION IS COMPLETE AND SEEDING HAS ESTABLISHED.	LF	1300
19	9040-108-O-2	STABILIZED CONSTRUCTION ENTRANCE (3 TOTAL BUT CAN BE REDUCED TO 1 IF CONTRACTOR IS ABLE TO MAKE WORK INCLUDES INSTALLING AND REMOVING STONE MEETING IOWA DOT SECTION 4122, GRADATION 13, MACADAM CRUSHED STONE AND WOVEN, UV-STABILIZED GEOTEXTILE. REFER TO FIGURE 9040.120.	TN	65
20	9040-108-T-1	INLET PROTECTION DEVICE TO BE USED AT INTAKES AS NEEDED FOR EROSION CONTROL. INCLUDES PLACEMENT, MAINTENANCE, REMOVAL AND OFFSITE DISPOSAL OF SEDIMENT, AND REMOVAL OF DEVICE. ITEM SHALL BE FLEXSTORM INLET FILTER OR ENGINEER APPROVED EQUAL.	EA	3
21	11050-108-A-0	CONCRETE WASHOUT REFER TO CONCRETE WASHOUT DETAIL AND NOTES LOCATION ON EXISTING CONDITIONS AND DEMOLITION DRAWINGS. LOCATIONS SHOWN ON PLANS ARE ONLY A RECOMMENDATION. FINAL LOCATION CAN BE DETERMINED BY CONTRACTOR WITH ENGINEER AND CITY APPROVAL.	EA	3
22	PER EST REF	SITE TRAFFIC, ADA AND PARKING SIGNS REFER TO DETAILS ON SITE DETAILS PLAN SHEET. REFER TO CURRENT IDOT STANDARD SPECIFICATIONS SECTION 2524 FOR DETAILS. INCLUDES REMOVING, SALVAGING, FURNISHING AND INSTALLING SIGNS, POSTS, AND MISCELLANEOUS ITEMS NECESSARY TO COMPLETE THIS ITEM AS PER PLAN.	EA	17
23	PER EST REF	YARD HYDRANT ASSEMBLY INCLUDES PROVIDING AND INSTALLING ALL MATERIAL NECESSARY TO COMPLETE BID ITEM. REFER TO DETAIL ON SITE DETAILS PLAN SHEET.	EA	2
24	PER EST REF	LIGHTING, POLE SINGLE + DOUBLE INCLUDES PROVIDING AND INSTALLING ALL MATERIAL NECESSARY TO COMPLETE BID ITEM. REFER TO SITE LIGHTING AND PHOTOMETRICS PLAN SHEETS.	EA	30
25	PER EST REF	2" CONDUIT FROM POLE TO XFMR, 200 AMP FEED FOR BARN, NEW ELECTRICAL PEDESTAL, NEW SERVICE FROM POLE MOUNTED XFMR, 2" CONDUIT FOR FUTURE POND SERVICE, NEW SERVICE FROM PAD MOUNTED XFMR, NEW ELECTRICAL HANDHOLE, NEW 50A CABIN UG SERVICE, NEW 50A BATHROOM UG SERVICE	LS	1
26	PER EST REF	CAMERAS- PROVIDE FULLY FUNCTIONAL, STAND-ALONE EXTERIOR 180 DEGREE CAMERA (AXIS P3807-PVE OR APPROVED EQUAL) WITH MINIMUM 60 DAYS LOCAL SD CARD RECORDING. INCLUDE NEMA 4X RATED ENCLOSURE (AXIS T98A SERIES OR EQUAL), POLE MOUNT (AXIS T91B47 OR EQUAL), COMPATIBLE POWER SUPPLY WITH SURGE PROTECTION, POE INJECTOR, ALL HARDWARE, MOUNTING AND POWER CONNECTION FOR A COMPLETE SYSTEM. PROVIDE PRODUCT INFORMATION, STORAGE CALCULATION AND MANUFACTURERS CERTIFICATIONS. PROVIDE A MINIMUM OF 4 HOURS OF OWNER TRAINING AND A MAINTA. COORDINATE FINAL CAMERA LOCATION AND SCENE WITH OWNER PRIOR TO INSTALLATION.	EA	4
27	PER EST REF	BOLLARDS INCLUDES PROVIDING AND INSTALLING ALL MATERIAL NECESSARY TO COMPLETE BID ITEM. REFER TO DETAIL ON SITE DETAILS PLAN SHEET.	EA	12
28	PER EST REF	CONCRETE WHEEL STOPS INCLUDES PROVIDING AND INSTALLING ALL MATERIAL NECESSARY TO COMPLETE BID ITEM. REFER TO DETAIL ON SITE DETAILS PLAN SHEET.	EA	38
29	8020-108-B-0	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT BASED REFER TO CURRENT IDOT STANDARD SPECIFICATIONS SECTION 2527. QUANTITY HAS BEEN BASED ON A SINGLE 4" WIDTH LINE. MEASUREMENT OF LINES WIDER THAN 4" HAVE BEEN ADJUSTED BY THE QUANTITY FACTOR TO A 4" LINE.	LF	1350
30	8020-108-6-0	PAINTED SYMBOL AND LEGEND, WATERBORNE OR SOLVENT BASED REFER TO CURRENT IDOT STANDARD SPECIFICATIONS SECTION 2527.	EA	12

BID ADD ALT #1 HMA SIDEWALKS				
31	7010-108-A-0	HOT MIX ASPHALT WALKS, 5" THICK USE 1/2" MIX, NO SPECIAL FRICTION REQUIREMENT, TYPE A AGGREGATE WITH 60% CRUSHED PARTICLES. PG 58-34S ASPHALT BINDER AND TACK COATS ARE TO BE INCLUDED IN UNIT PRICE BID. INCLUDES PROVIDING QUALITY CONTROL FOR HMA ACCORDING TO SECTION 7020-305-A-0. BASE COURSE SHALL BE PLACED IN TWO LIFTS OF 2 INCHES EACH LIFT.	TN	375



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PROJECT
**CITY OF
FORT DODGE
OLESON PARK
IMPROVEMENTS**

FORT DODGE IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY
04-08-19	ADDENDUM #1	NG

PROJECT NO.	18-21961
CAD FILE NAME	21961 C0-DETAILS
DRAWN BY	PJJ
DESIGNED BY	NSG
REVIEWED BY	DAJ/NSG
ORIGINAL ISSUE DATE	03/29/19
CLIENT PROJECT NO.	-

TITLE
**ESTIMATE
REFERENCE &
QUANTITIES**

SHEET

C0-21



BID ALT #1:
PARK SIDEWALKS SHALL BE BID AS THE FOLLOWING:

1. 5" PCC ON 6"-12" PREPARED SUBGRADE
2. 5" HMA ON 6"-12" PREPARED SUBGRADE



PROJECT

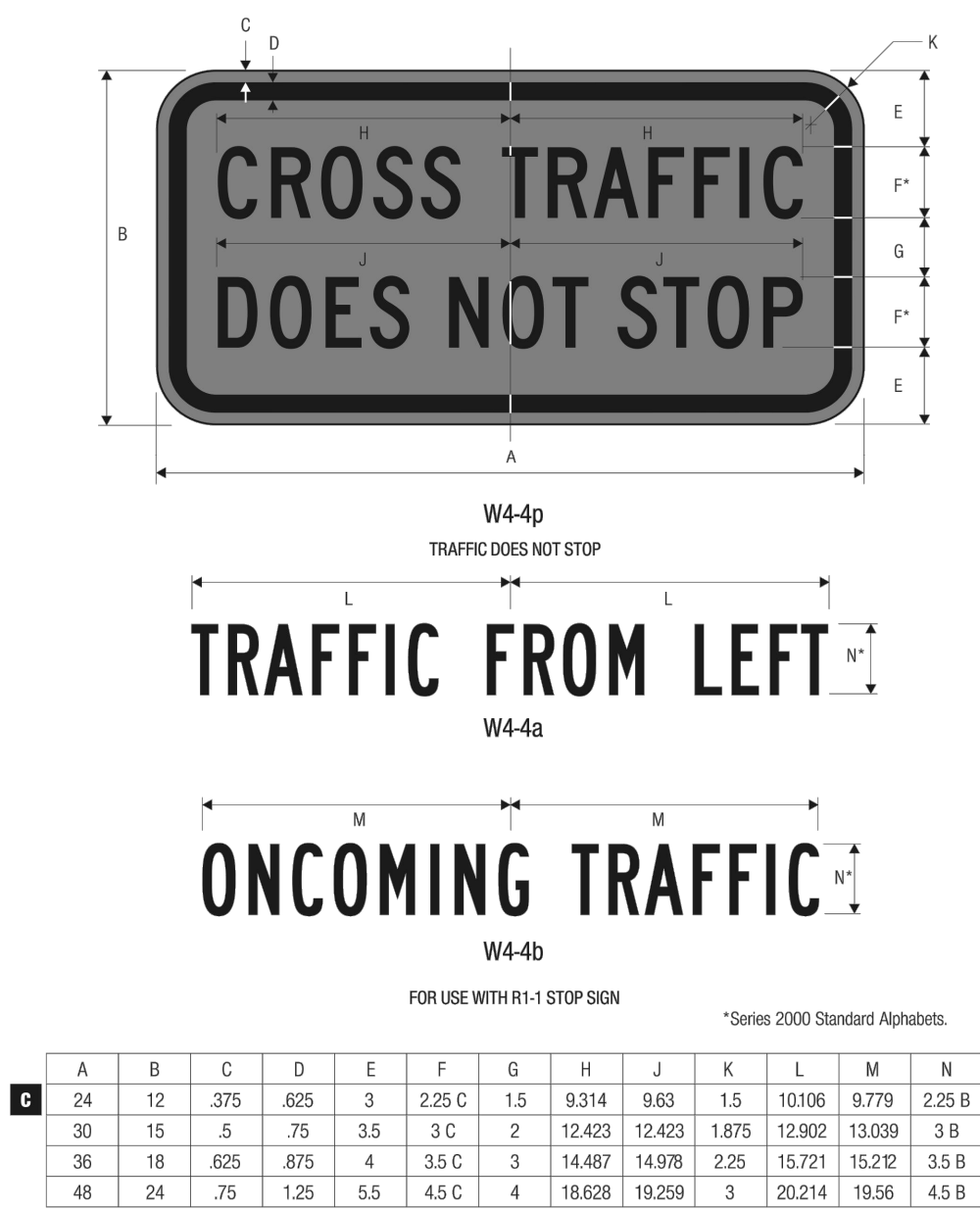
**CITY OF
FORT DODGE
OLESON PARK
IMPROVEMENTS**

[illegible]

TITLE

SITE DETAILS

CO-30

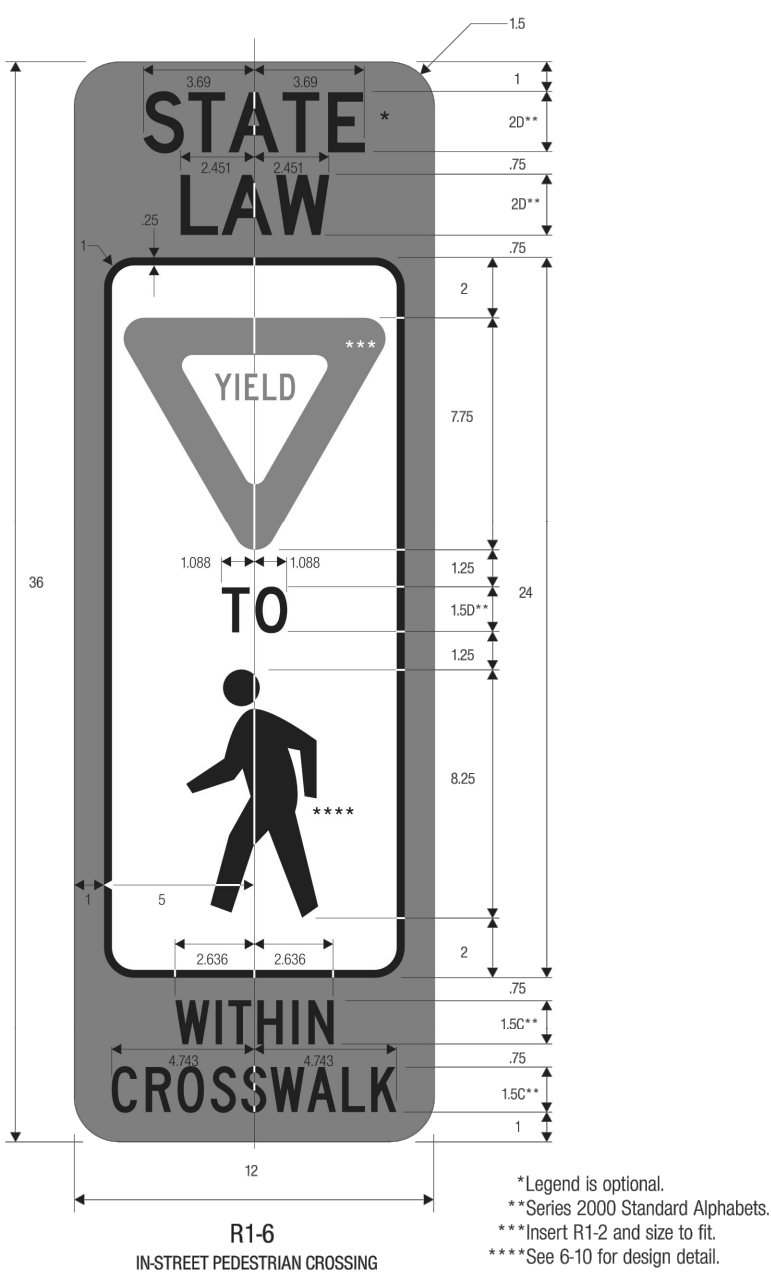


COLORS: LEGEND — BLACK
BACKGROUND — YELLOW (RETROREFLECTIVE)

NOTE: MOUNT ON 2" DIA.,
12' LONG, GALVANIZED STEEL
POST

2-33
1

TRAFFIC CROSSING SIGN
NTS

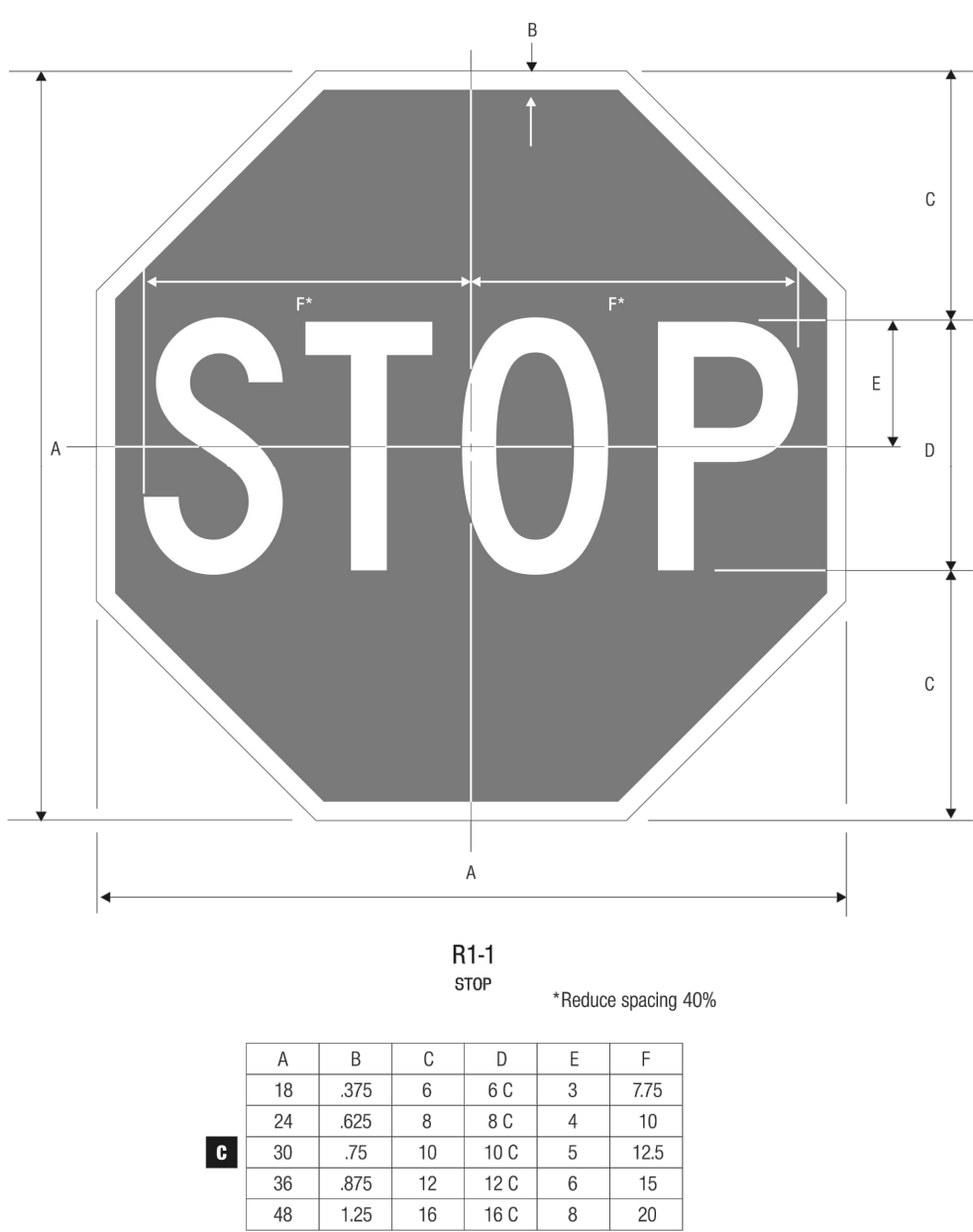


COLORS: LEGEND — BLACK
BACKGROUND — FLUORESCENT YELLOW-GREEN, OR YELLOW (RETROREFLECTIVE)
YIELD SYMBOL — RED (RETROREFLECTIVE) ON WHITE (RETROREFLECTIVE)
PED SYMBOL — BLACK ON WHITE (RETROREFLECTIVE)

NOTE: MOUNT ON 2" DIA.,
12' LONG, GALVANIZED STEEL
POST

1-8
2

PEDESTRIAN CROSSING SIGN
NTS

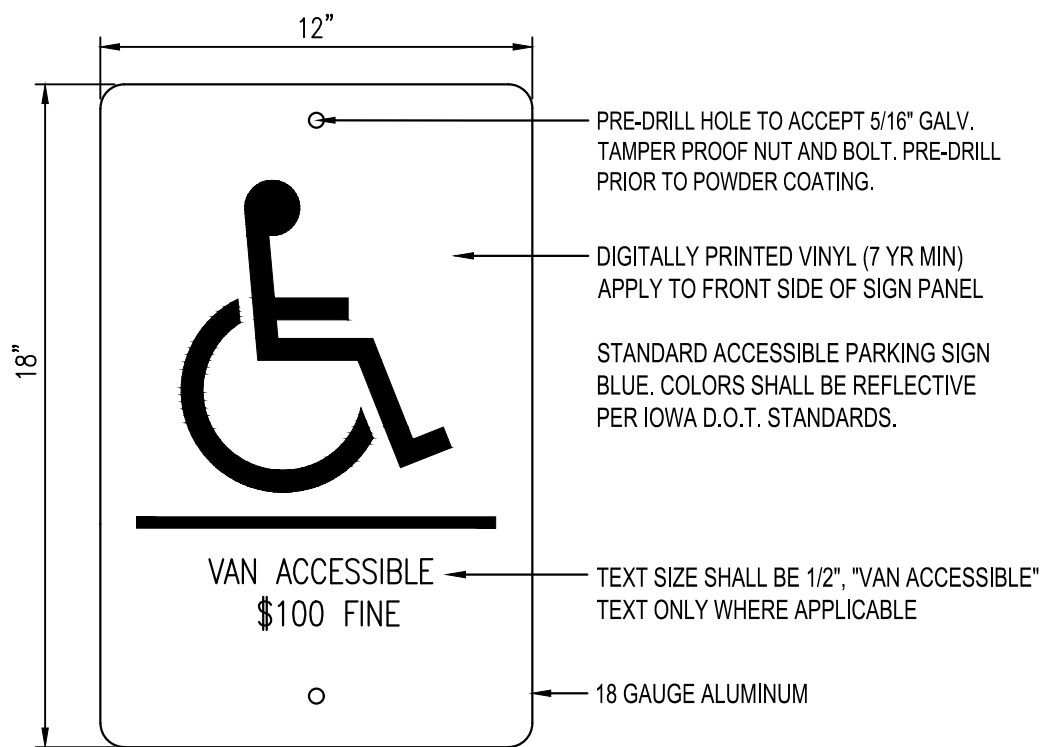


COLORS: LEGEND — WHITE (RETROREFLECTIVE)
BACKGROUND — RED (RETROREFLECTIVE)

NOTE: MOUNT ON 2" DIA.,
12' LONG, GALVANIZED STEEL
POST

1-1
3

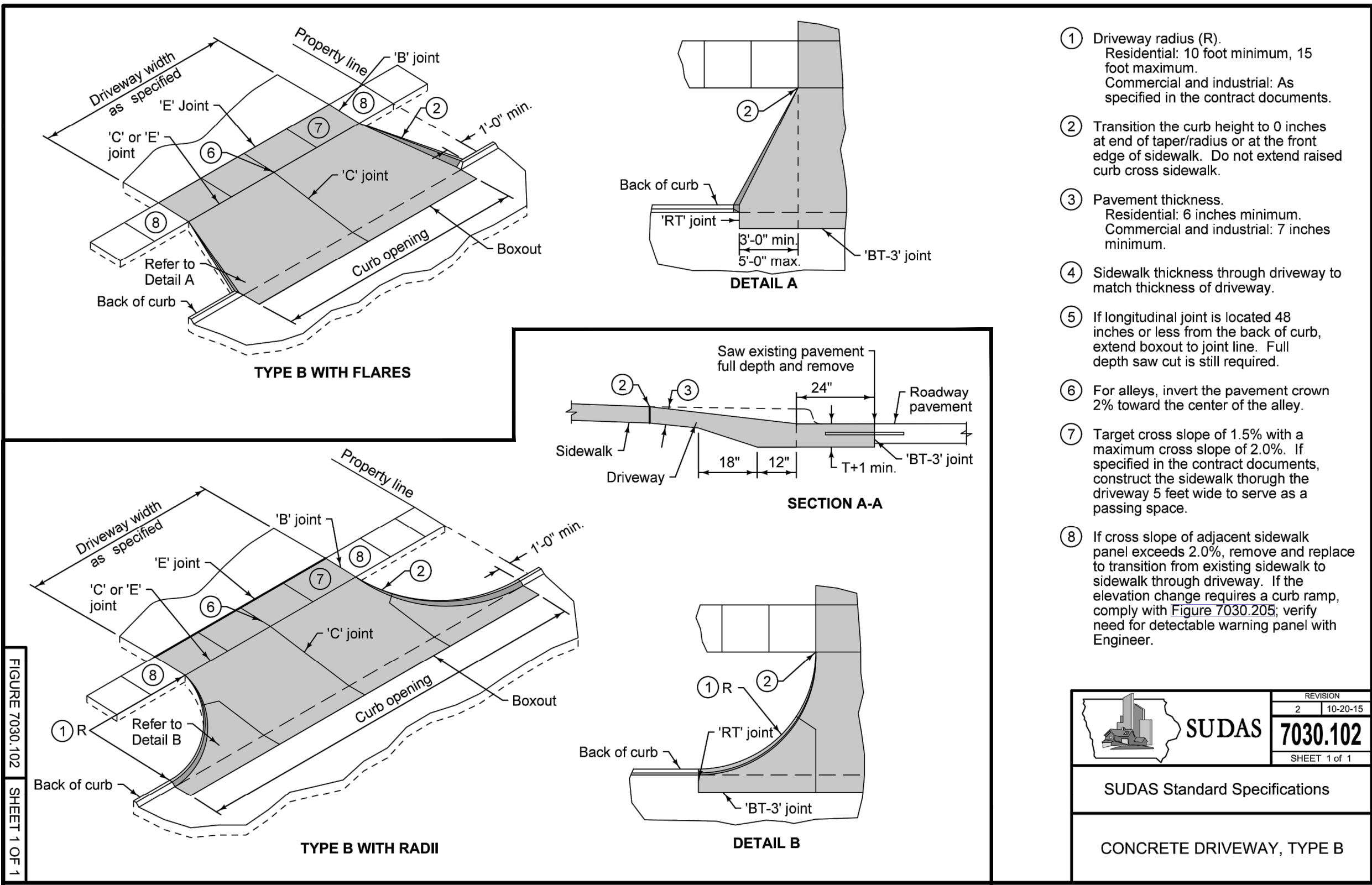
STOP SIGN
NTS



NOTE: MOUNT ON 2" DIA.,
12' LONG, GALVANIZED STEEL
POST

4

ACCESSIBLE PARKING SIGN
NTS



DRIVEWAY TYPE B
NTS



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PROJECT
CITY OF FORT DODGE
OLESON PARK IMPROVEMENTS

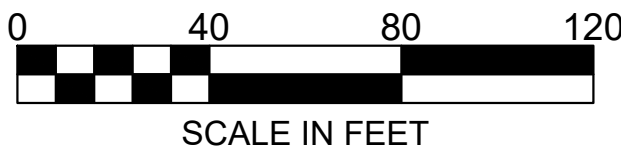
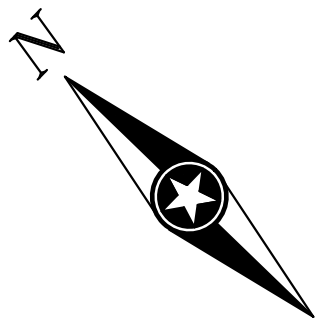
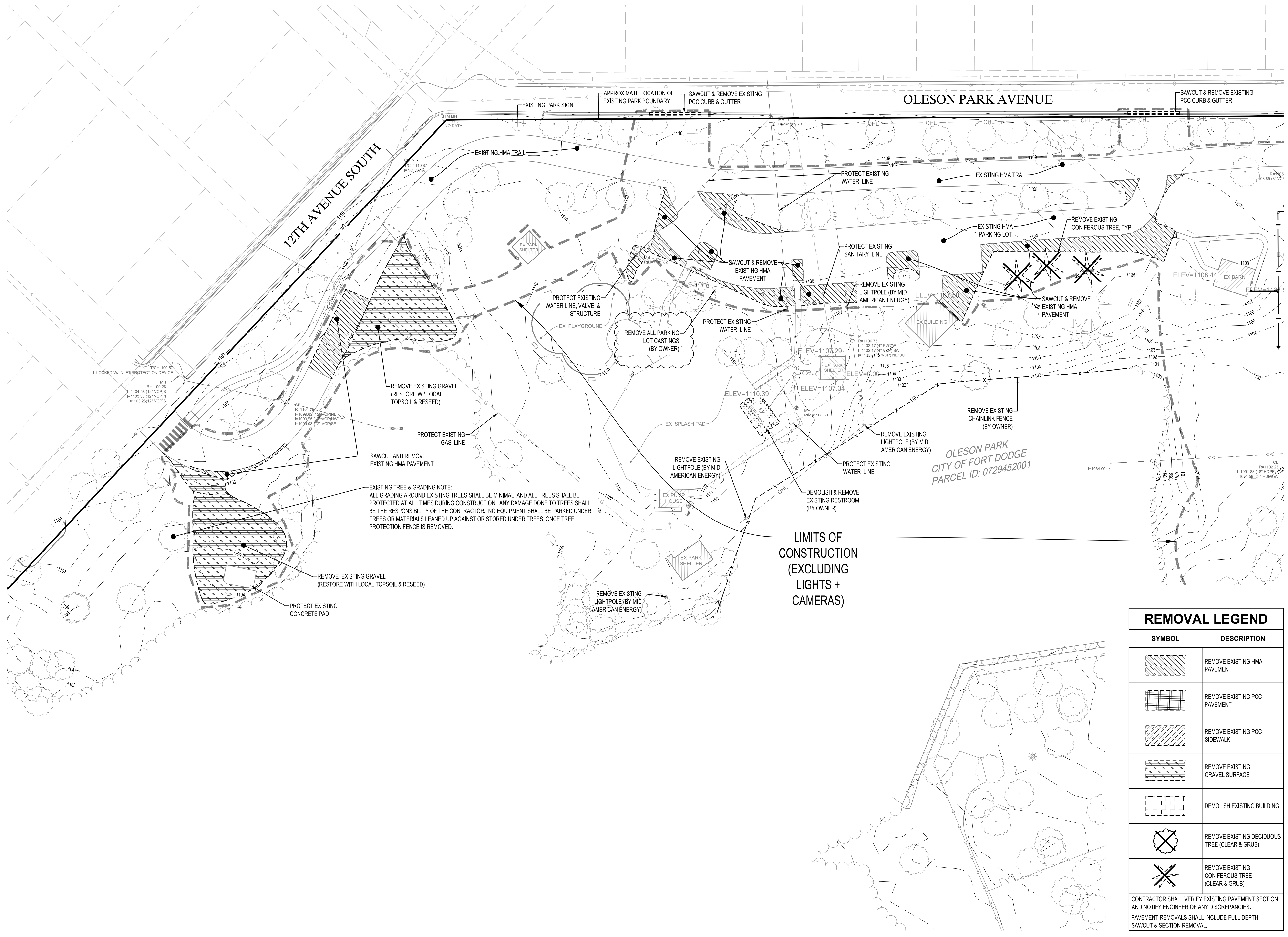
FORT DODGE IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	18-21961
CAD FILE NAME	21961 CO-DETAILS
DRAWN BY	PJJ
DESIGNED BY	NSG
REVIEWED BY	DAJ/NSG
ORIGINAL ISSUE DATE	03/29/19
CLIENT PROJECT NO.	-

TITLE
SITE DETAILS

SHEET
C0-31



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PROJECT

**CITY OF
FORT DODGE
OLESON PARK
IMPROVEMENTS**

FORT DODGE IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY
04-08-19	ADDENDUM #1	NG

PROJECT NO.	18-21961
FILE NAME	21961 C2-EXIST
DRAWN BY	PJJ
DESIGNED BY	NSG
REVIEWED BY	BDT
ORIGINAL ISSUE DATE	03/29/19
CLIENT PROJECT NO.	-

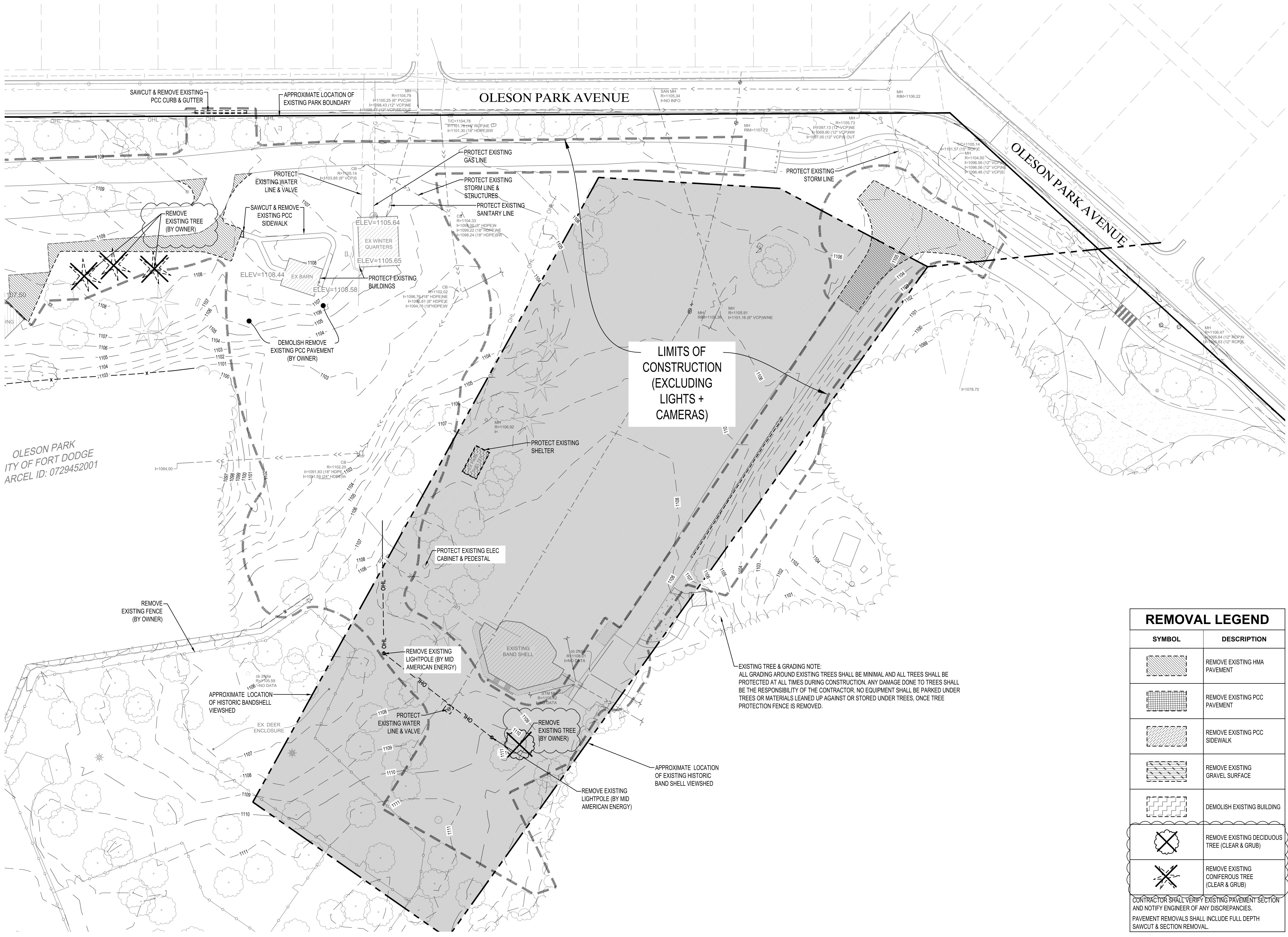
TITLE

**EXISTING SITE &
REMOVAL PLAN
(NORTH)**

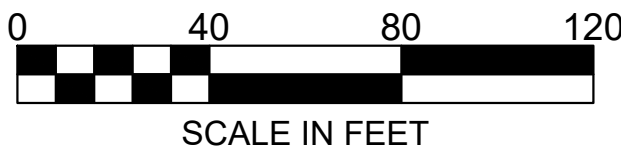
SHEET

C2-10

REMOVAL LEGEND	
SYMBOL	DESCRIPTION
	REMOVE EXISTING HMA PAVEMENT
	REMOVE EXISTING PCC PAVEMENT
	REMOVE EXISTING PCC SIDEWALK
	REMOVE EXISTING GRAVEL SURFACE
	DEMOLISH EXISTING BUILDING
	REMOVE EXISTING DECIDUOUS TREE (CLEAR & GRUB)
	REMOVE EXISTING CONIFEROUS TREE (CLEAR & GRUB)
CONTRACTOR SHALL VERIFY EXISTING PAVEMENT SECTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES. PAVEMENT REMOVALS SHALL INCLUDE FULL DEPTH SAWCUT & SECTION REMOVAL.	



OLESON PARK
ITY OF FORT DODGE
ARCEL ID: 0729452001

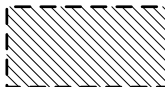
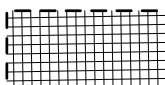

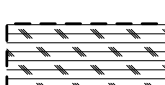
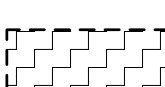




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PROJECT

**CITY OF
FORT DODGE
OLESON PARK
IMPROVEMENTS**

FORT DODGE IOWA

REMOVAL LEGEND	
SYMBOL	DESCRIPTION
	REMOVE EXISTING HMA PAVEMENT
	REMOVE EXISTING PCC PAVEMENT
	REMOVE EXISTING PCC SIDEWALK
	REMOVE EXISTING GRAVEL SURFACE
	DEMOLISH EXISTING BUILDING
	REMOVE EXISTING DECIDUOUS TREE (CLEAR & GRUB)
	REMOVE EXISTING CONIFEROUS TREE (CLEAR & GRUB)
CONTRACTOR SHALL VERIFY EXISTING PAVEMENT SECTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.	
PAVEMENT REMOVALS SHALL INCLUDE FULL DEPTH SAWCUT & SECTION REMOVAL.	

REVISION SCHEDULE		
DATE	DESCRIPTION	BY
04-08-19	ADDENDUM #1	NG

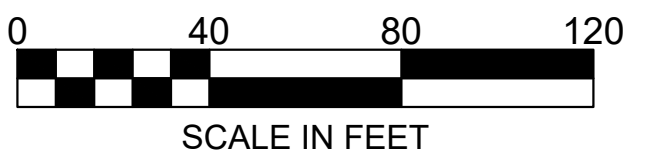
PROJECT NO.	18-21961
FILE NAME	21961 C2-EXIST
DRAWN BY	PJJ
DESIGNED BY	NSG
REVIEWED BY	BDT
ORIGINAL ISSUE DATE	03/29/19
CLIENT PROJECT NO.	-

TITLE

**EXISTING SITE &
REMOVAL PLAN
(SOUTH)**

SHEET

C2-11



PROJECT

**CITY OF
FORT DODGE
OLESON PARK
IMPROVEMENTS**

FORT DODGE IOWA

[illegible]

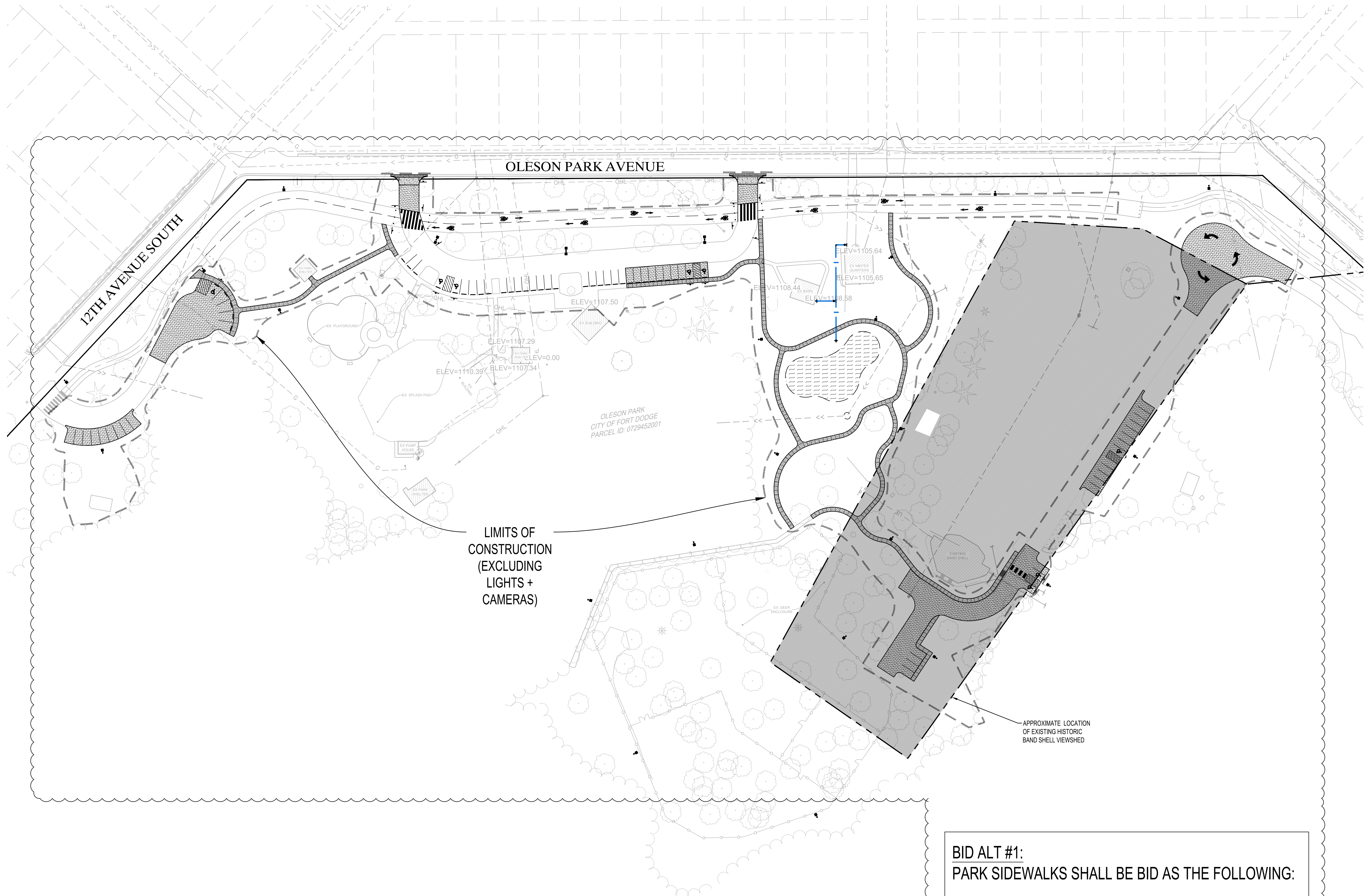
PROJECT NO.	18-21961
FILE NAME	21961 C3-SITE
DRAWN BY	PJJ
DESIGNED BY	NSG
REVIEWED BY	DAJ/NSG
ORIGINAL ISSUE DATE	03/29/19
CLIENT PROJECT NO.	-

TITLE

OVERALL SITE PLAN

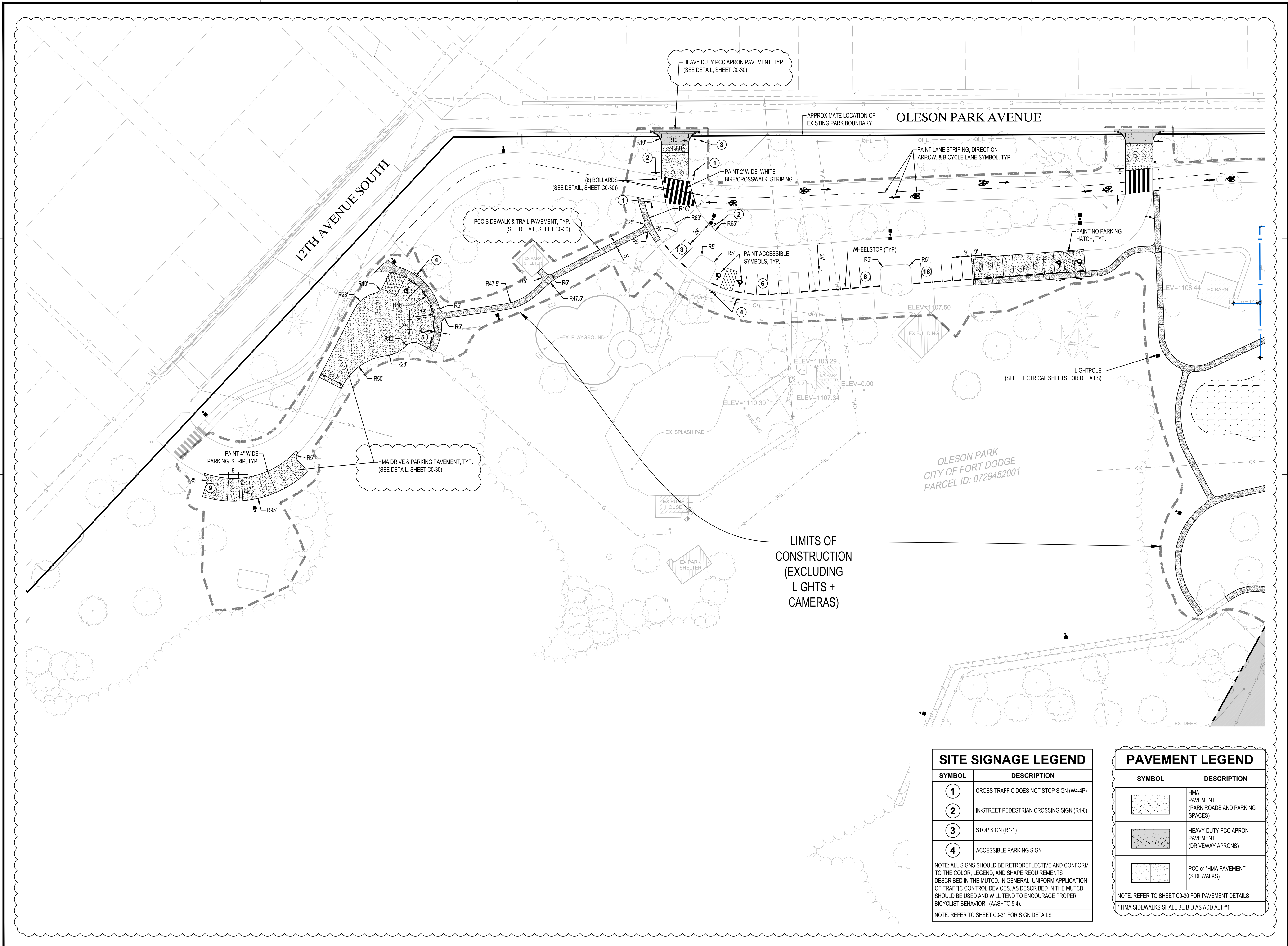
SHEET

C3-01 }



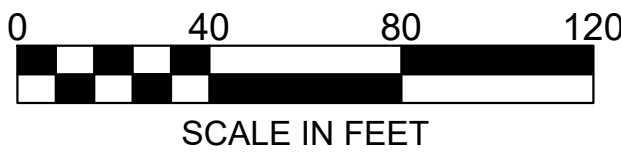
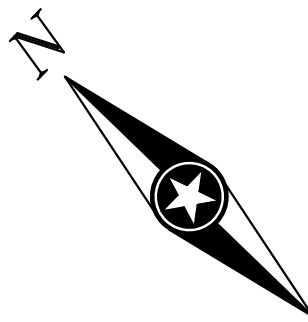
BID ALT #1:
PARK SIDEWALKS SHALL BE BID AS THE FOLLOWING:

1. 5" HMA ON 6"-12" PREPARED SUBGRADE



SITE SIGNAGE LEGEND	
SYMBOL	DESCRIPTION
①	CROSS TRAFFIC DOES NOT STOP SIGN (W4-4P)
②	IN-STREET PEDESTRIAN CROSSING SIGN (R1-6)
③	STOP SIGN (R1-1)
④	ACCESSIBLE PARKING SIGN
NOTE: ALL SIGNS SHOULD BE RETROREFLECTIVE AND CONFORM TO THE COLOR, LEGEND, AND SHAPE REQUIREMENTS DESCRIBED IN THE MUTCD. IN GENERAL, UNIFORM APPLICATION OF TRAFFIC CONTROL DEVICES, AS DESCRIBED IN THE MUTCD, SHOULD BE USED AND WILL TEND TO ENCOURAGE PROPER BICYCLIST BEHAVIOR. (AASHTO 5.4).	
NOTE: REFER TO SHEET C0-31 FOR SIGN DETAILS	

PAVEMENT LEGEND	
SYMBOL	DESCRIPTION
[Pattern]	HMA PAVEMENT (PARK ROADS AND PARKING SPACES)
[Pattern]	HEAVY DUTY PCC APRON PAVEMENT (DRIVEWAY APRONS)
[Pattern]	PCC or *HMA PAVEMENT (SIDEWALKS)
NOTE: REFER TO SHEET C0-30 FOR PAVEMENT DETAILS	
* HMA SIDEWALKS SHALL BE BID AS ADD ALT #1	



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PROJECT

CITY OF FORT DODGE

OLESON PARK IMPROVEMENTS

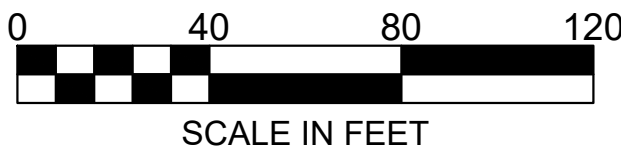
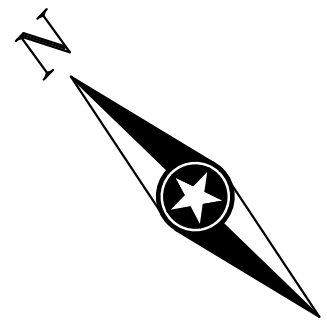
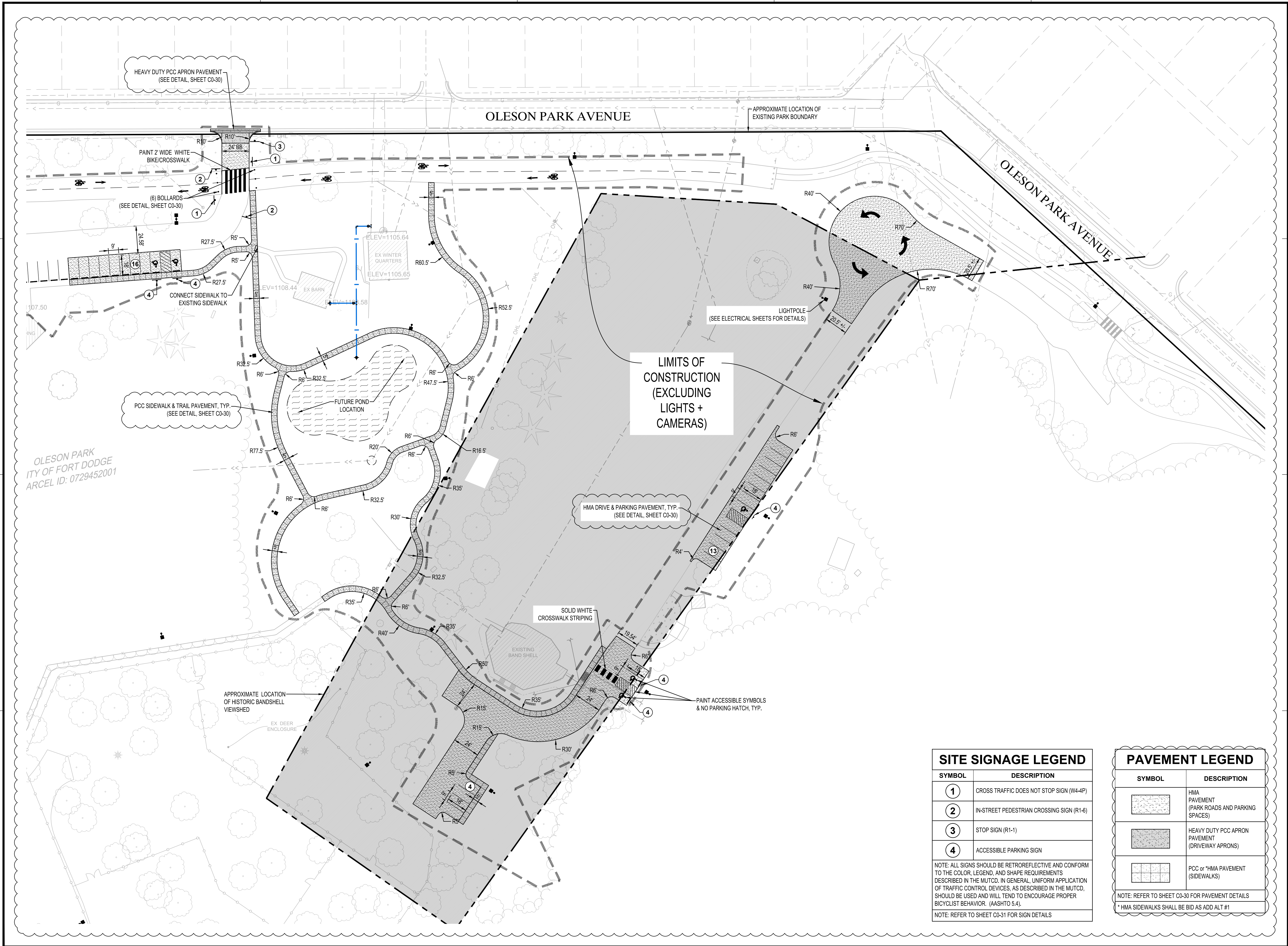
FORT DODGE IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY
04-08-19	ADDENDUM #1	NG

PROJECT NO.	18-21961
FILE NAME	21961 C3-SITE
DRAWN BY	PJJ
DESIGNED BY	NSG
REVIEWED BY	DAJ/NSG
ORIGINAL ISSUE DATE	03/29/19
CLIENT PROJECT NO.	-

TITLE

SITE PLAN (NORTH)



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PROJECT

CITY OF FORT DODGE

OLESON PARK IMPROVEMENTS

FORT DODGE IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY
04-08-19	ADDENDUM #1	NG

PROJECT NO.	18-21961
FILE NAME	21961 C3-SITE
DRAWN BY	PJJ
DESIGNED BY	NSG
REVIEWED BY	DAJ/NSG
ORIGINAL ISSUE DATE	03/29/19
CLIENT PROJECT NO.	-

TITLE

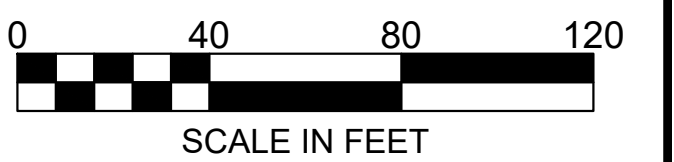
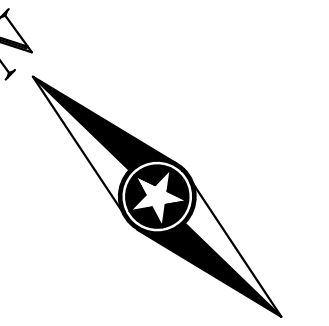
SITE PLAN (SOUTH)

SHEET

C3-11

SITE SIGNAGE LEGEND	
SYMBOL	DESCRIPTION
①	CROSS TRAFFIC DOES NOT STOP SIGN (W4-4P)
②	IN-STREET PEDESTRIAN CROSSING SIGN (R1-6)
③	STOP SIGN (R1-1)
④	ACCESSIBLE PARKING SIGN
NOTE: ALL SIGNS SHOULD BE RETROREFLECTIVE AND CONFORM TO THE COLOR, LEGEND, AND SHAPE REQUIREMENTS DESCRIBED IN THE MUTCD. IN GENERAL, UNIFORM APPLICATION OF TRAFFIC CONTROL DEVICES, AS DESCRIBED IN THE MUTCD, SHOULD BE USED AND WILL TEND TO ENCOURAGE PROPER BICYCLIST BEHAVIOR. (AASHTO 5.4).	
NOTE: REFER TO SHEET C0-31 FOR SIGN DETAILS	

PAVEMENT LEGEND	
SYMBOL	DESCRIPTION
	HMA PAVEMENT (PARK ROADS AND PARKING SPACES)
	HEAVY DUTY PCC APRON PAVEMENT (DRIVEWAY APRONS)
	PCC or HMA PAVEMENT (SIDEWALKS)
NOTE: REFER TO SHEET C0-30 FOR PAVEMENT DETAILS	
* HMA SIDEWALKS SHALL BE BID AS ADD ALT #1	



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PROJECT

**CITY OF
FORT DODGE
OLESON PARK
IMPROVEMENTS**

FORT DODGE IOWA

[illegible]

PROJECT NO. 18-21961

FILE NAME	21961 C3-SITE
-----------	---------------

DRAWN BY PJJ

DESIGNED BY NSG

REVIEWED BY DAJ/NSG

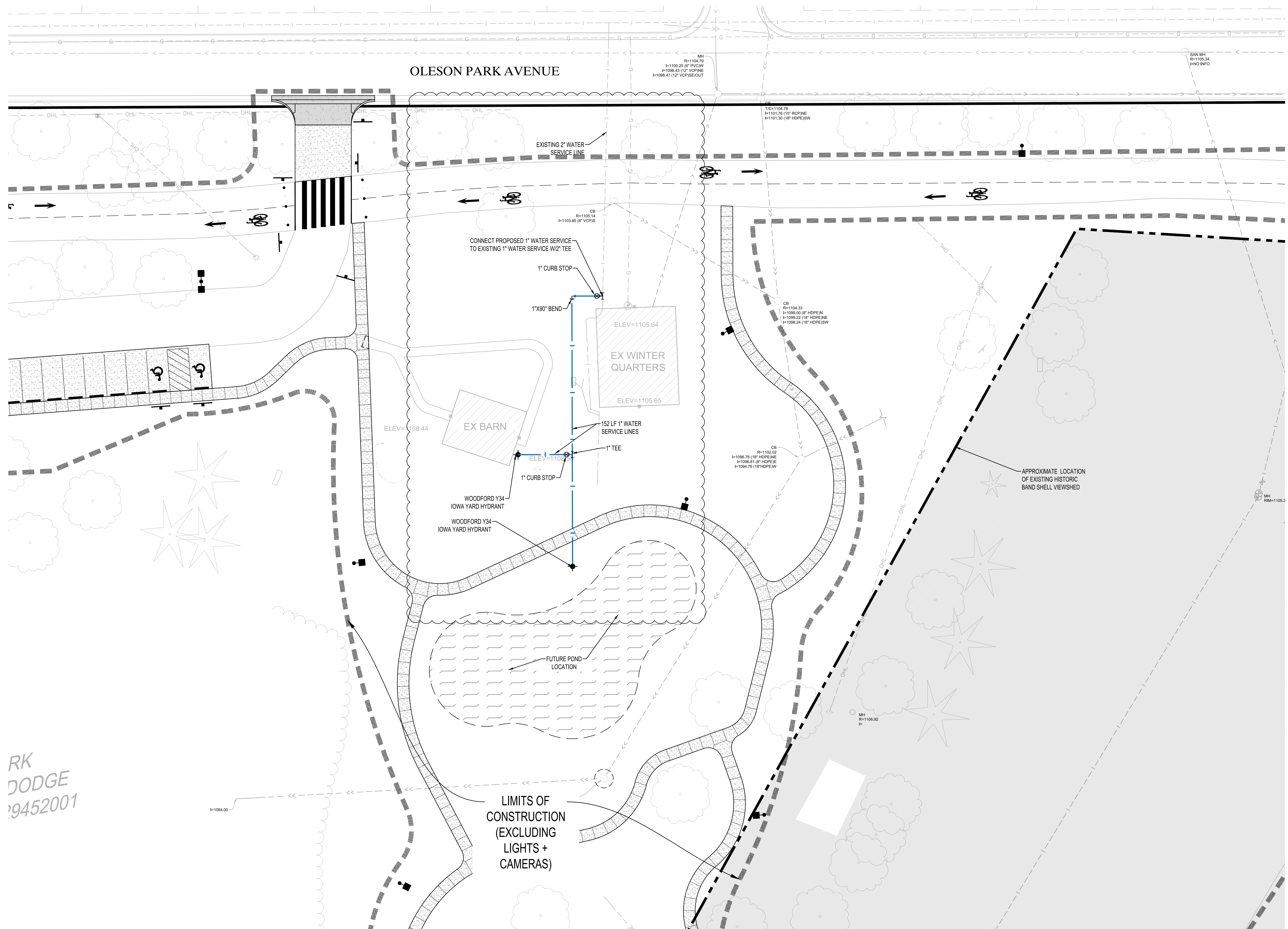
ORIGINAL ISSUE DATE 03/29/19

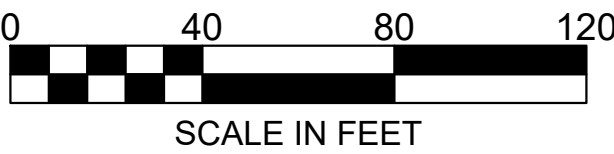
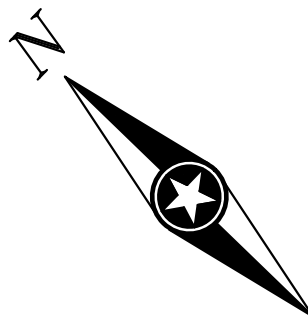
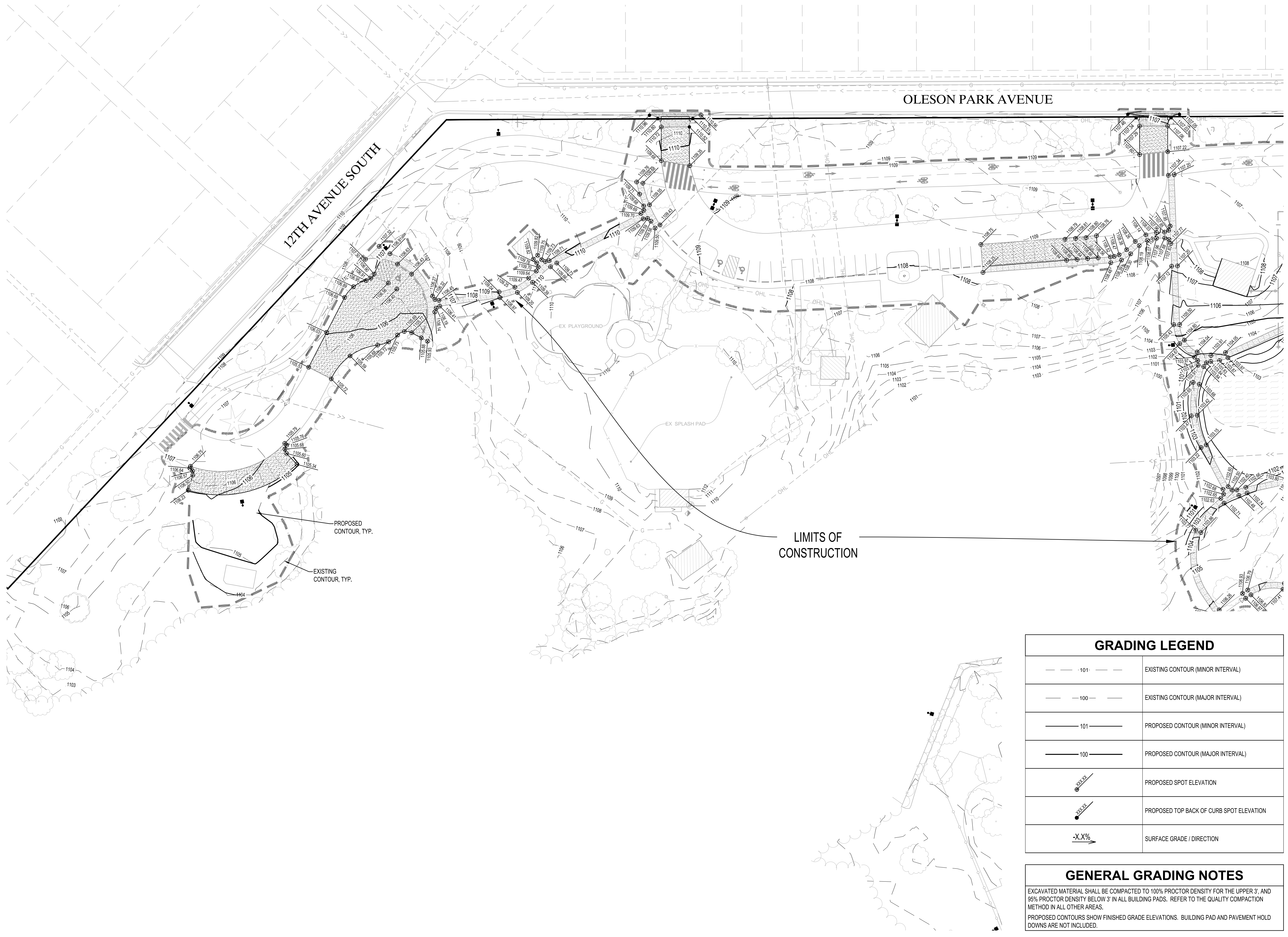
CLIENT PROJECT NO. -

TITLE

SITE UTILITY PLAN

SHEET

C3-20



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PROJECT

**CITY OF
FORT DODGE
OLESON PARK
IMPROVEMENTS**

FORT DODGE IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	18-21961
FILE NAME	21961 C4-GRADE
DRAWN BY	PJJ
DESIGNED BY	NSG
REVIEWED BY	DAJ/NSG
ORIGINAL ISSUE DATE	03/29/19
CLIENT PROJECT NO.	-

TITLE

**DETAILED GRADING PLAN
(NORTH)**

SHEET

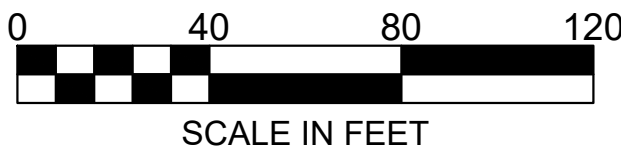
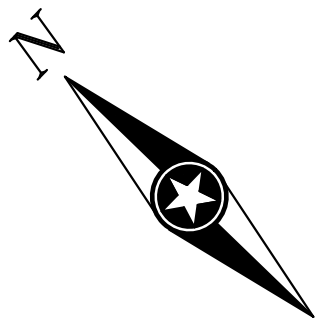
C4-10

GRADING LEGEND

	EXISTING CONTOUR (MINOR INTERVAL)
	EXISTING CONTOUR (MAJOR INTERVAL)
	PROPOSED CONTOUR (MINOR INTERVAL)
	PROPOSED CONTOUR (MAJOR INTERVAL)
	PROPOSED SPOT ELEVATION
	PROPOSED TOP BACK OF CURB SPOT ELEVATION
	SURFACE GRADE / DIRECTION

GENERAL GRADING NOTES

EXCAVATED MATERIAL SHALL BE COMPACTED TO 100% PROCTOR DENSITY FOR THE UPPER 3', AND 95% PROCTOR DENSITY BELOW 3' IN ALL BUILDING PADS. REFER TO THE QUALITY COMPACTION METHOD IN ALL OTHER AREAS.
PROPOSED CONTOURS SHOW FINISHED GRADE ELEVATIONS. BUILDING PAD AND PAVEMENT HOLD DOWNS ARE NOT INCLUDED.



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PROJECT

**CITY OF
FORT DODGE**

**OLESON PARK
IMPROVEMENTS**

FORT DODGE IOWA

GRADING LEGEND		
	101	EXISTING CONTOUR (MINOR INTERVAL)
	100	EXISTING CONTOUR (MAJOR INTERVAL)
	101	PROPOSED CONTOUR (MINOR INTERVAL)
	100	PROPOSED CONTOUR (MAJOR INTERVAL)
		PROPOSED SPOT ELEVATION
		PROPOSED TOP BACK OF CURB SPOT ELEVATION
	-X.X%	SURFACE GRADE / DIRECTION

GENERAL GRADING NOTES

EXCAVATED MATERIAL SHALL BE COMPACTED TO 100% PROCTOR DENSITY FOR THE UPPER 3', AND 95% PROCTOR DENSITY BELOW 3' IN ALL BUILDING PADS. REFER TO THE QUALITY COMPACTION METHOD IN ALL OTHER AREAS.

PROPOSED CONTOURS SHOW FINISHED GRADE ELEVATIONS. BUILDING PAD AND PAVEMENT HOLD DOWNS ARE NOT INCLUDED.

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

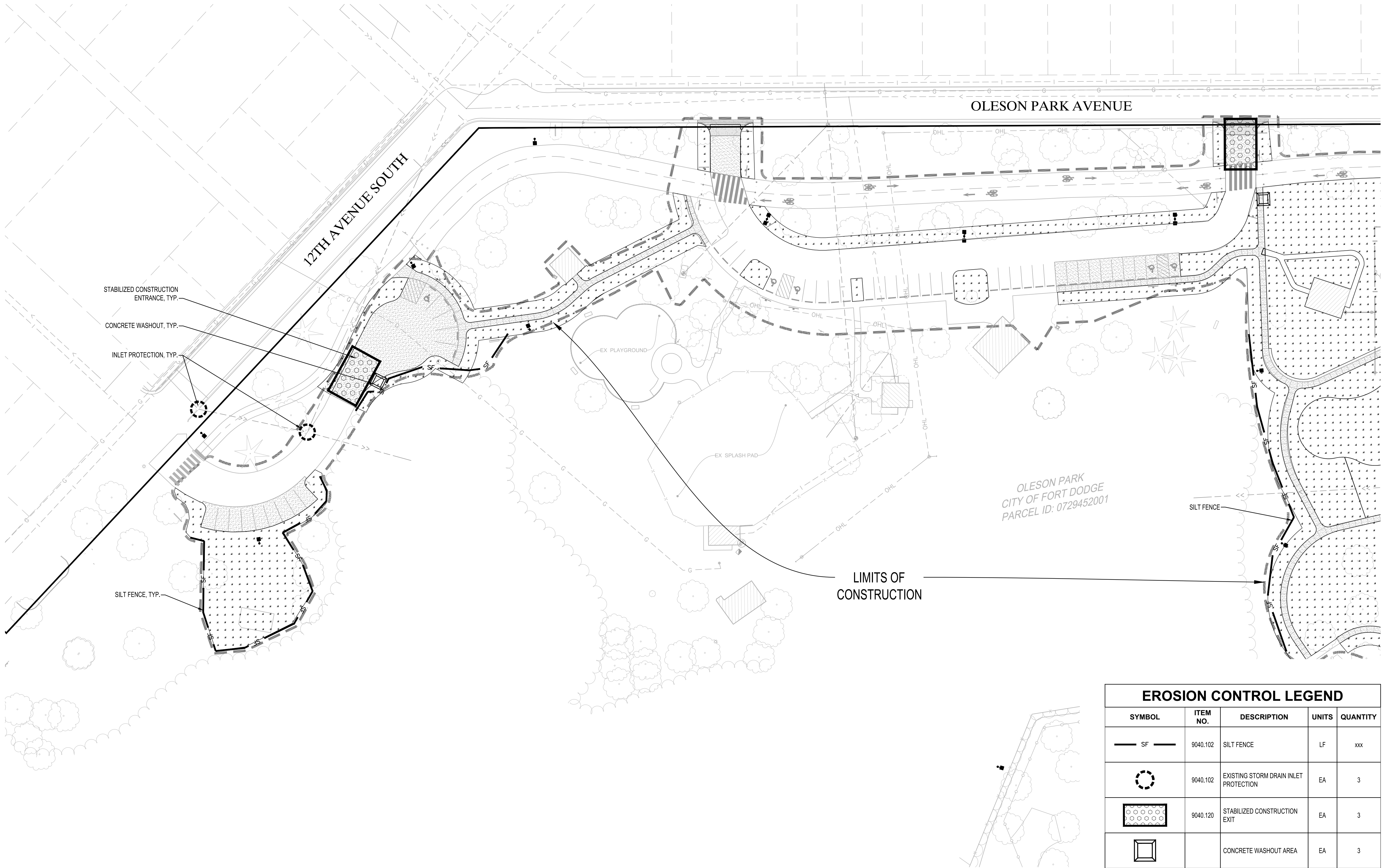
PROJECT NO.	18-21961
FILE NAME	21961 C4-GRADE
DRAWN BY	PJJ
DESIGNED BY	NSG
REVIEWED BY	DAJ/NSG
ORIGINAL ISSUE DATE	03/29/19
CLIENT PROJECT NO.	-

TITLE

**DETAILED GRADING PLAN
(SOUTH)**

SHEET

C4-11



STABILIZED CONSTRUCTION
ENTRANCE, TYP.

CONCRETE WASHOUT, TYP.

INLET PROTECTION, TYP.

SILT FENCE, TYP.

LIMITS OF
CONSTRUCTION

OLESON PARK
CITY OF FORT DODGE
PARCEL ID: 0729452001

SEEDING SCHEDULE					
SEED MIX	CODE	QTY	COMMON / BOTANICAL NAME	SIZE	REMARKS
	SEED 1	97,864 sf	SEED SUDAS TYPE 1 SEED MIX	SEED	52.0 LBS = 0.20 ACRE PERMANENT LAWN MIXTURE

EROSION CONTROL LEGEND				
SYMBOL	ITEM NO.	DESCRIPTION	UNITS	QUANTITY
	9040.102	SILT FENCE	LF	xxx
	9040.102	EXISTING STORM DRAIN INLET PROTECTION	EA	3
	9040.120	STABILIZED CONSTRUCTION EXIT	EA	3
		CONCRETE WASHOUT AREA	EA	3

PERIMETER CONTROL CAN BE SILT FENCE.

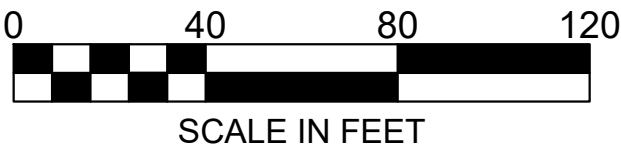
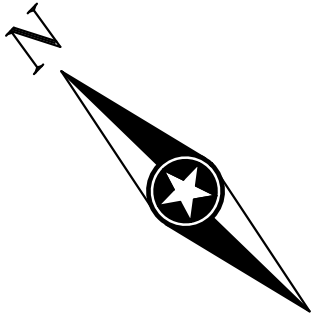
(1) STABILIZED CONSTRUCTION ENTRANCE AND (1) CONCRETE WASHOUT AREA MAY BE USED IF THE CONTRACTOR IS COORDINATE ACCORDINGLY WHILE PROTECTING OTHER SITE FEATURES SUCH AS EXISTING TREES, BUILDINGS AND PUBLIC ROADS.

QUANTITIES ARE FOR INFORMATIONAL PURPOSES TO MEET THE REQUIREMENTS OF THE CONSTRUCTION STORMWATER PERMIT. NO GUARANTEE IS MADE TO THE ACTUAL QUANTITIES REQUIRED.

THE QUANTITIES SHOWN ARE TOTAL FOR THE ENTIRE PROJECT NOT SPECIFIC TO THIS SHEET.

SEE SITE RESTORATION PLAN FOR FINAL TURF ESTABLISHMENT

NOTE: SWPPP COVERAGE INCLUDES ELECTRIC, GAS, TELEPHONE, AND CABLE INSTALLATION. EACH COMPANY OR THEIR SUBCONTRACTOR IS RESPONSIBLE TO FOLLOW THE REQUIREMENTS OF THIS SWPPP INCLUDING PROVIDING THEIR OWN RESTORATION IF INSTALLATION OCCURS AFTER PRIMARY INSTALLATION OF SEEDING/SODDING/MULCHING DURING CONSTRUCTION OF EACH UTILITY.



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PROJECT

CITY OF
FORT DODGE
OLESON PARK
IMPROVEMENTS

FORT DODGE IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	18-21961
FILE NAME	21961 C5-LAND
DRAWN BY	PJJ
DESIGNED BY	NSG
REVIEWED BY	DAJ/NSG
ORIGINAL ISSUE DATE	03/29/19
CLIENT PROJECT NO.	-

TITLE

RESTORATION &
EROSION SEDIMENT
CONTROL PLAN
(NORTH)

SHEET



OLESON PARK
ITY OF FORT DODGE
ARCEL ID: 0729452001

EROSION CONTROL LEGEND

SYMBOL	ITEM NO.	DESCRIPTION	UNITS	QUANTITY
— SF —	9040.102	SILT FENCE	LF	xxx
	9040.102	EXISTING STORM DRAIN INLET PROTECTION	EA	3
	9040.120	STABILIZED CONSTRUCTION EXIT	EA	3
		CONCRETE WASHOUT AREA	EA	3

PERIMETER CONTROL CAN BE SILT FENCE.

(1) STABILIZED CONSTRUCTION ENTRANCE AND (1) CONCRETE WASHOUT AREA MAY BE USED IF THE CONTRACTOR IS COORDINATE ACCORDINGLY WHILE PROTECTING OTHER SITE FEATURES SUCH AS EXISTING TREES, BUILDINGS AND PUBLIC ROADS.

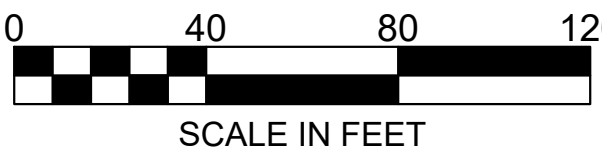
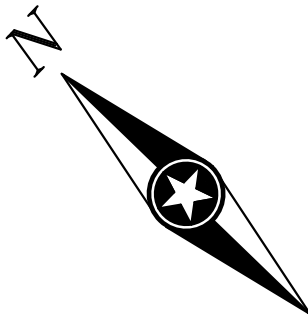
QUANTITIES ARE FOR INFORMATIONAL PURPOSES TO MEET THE REQUIREMENTS OF THE CONSTRUCTION STORMWATER PERMIT. NO GUARANTEE IS MADE TO THE ACTUAL QUANTITIES REQUIRED.

THE QUANTITIES SHOWN ARE TOTAL FOR THE ENTIRE PROJECT NOT SPECIFIC TO THIS SHEET.

SEE SITE RESTORATION PLAN FOR FINAL TURF ESTABLISHMENT

NOTE: SWPPP COVERAGE INCLUDES ELECTRIC, GAS, TELEPHONE, AND CABLE INSTALLATION. EACH COMPANY OR THEIR SUBCONTRACTOR IS RESPONSIBLE TO FOLLOW THE REQUIREMENTS OF THIS SWPPP INCLUDING PROVIDING THEIR OWN RESTORATION IF INSTALLATION OCCURS AFTER PRIMARY INSTALLATION OF SEEDING/SODDING/MULCHING DURING CONSTRUCTION OF EACH UTILITY.

SEEDING SCHEDULE					
SEED MIX	CODE	QTY	COMMON / BOTANICAL NAME	SIZE	REMARKS
	SEED 1	97,864 sf	SEED SUDAS TYPE 1 SEED MIX	SEED	52.0 LBS = 0.20 ACRE PERMANENT LAWN MIXTURE



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PROJECT

CITY OF
FORT DODGE

OLESON PARK
IMPROVEMENTS

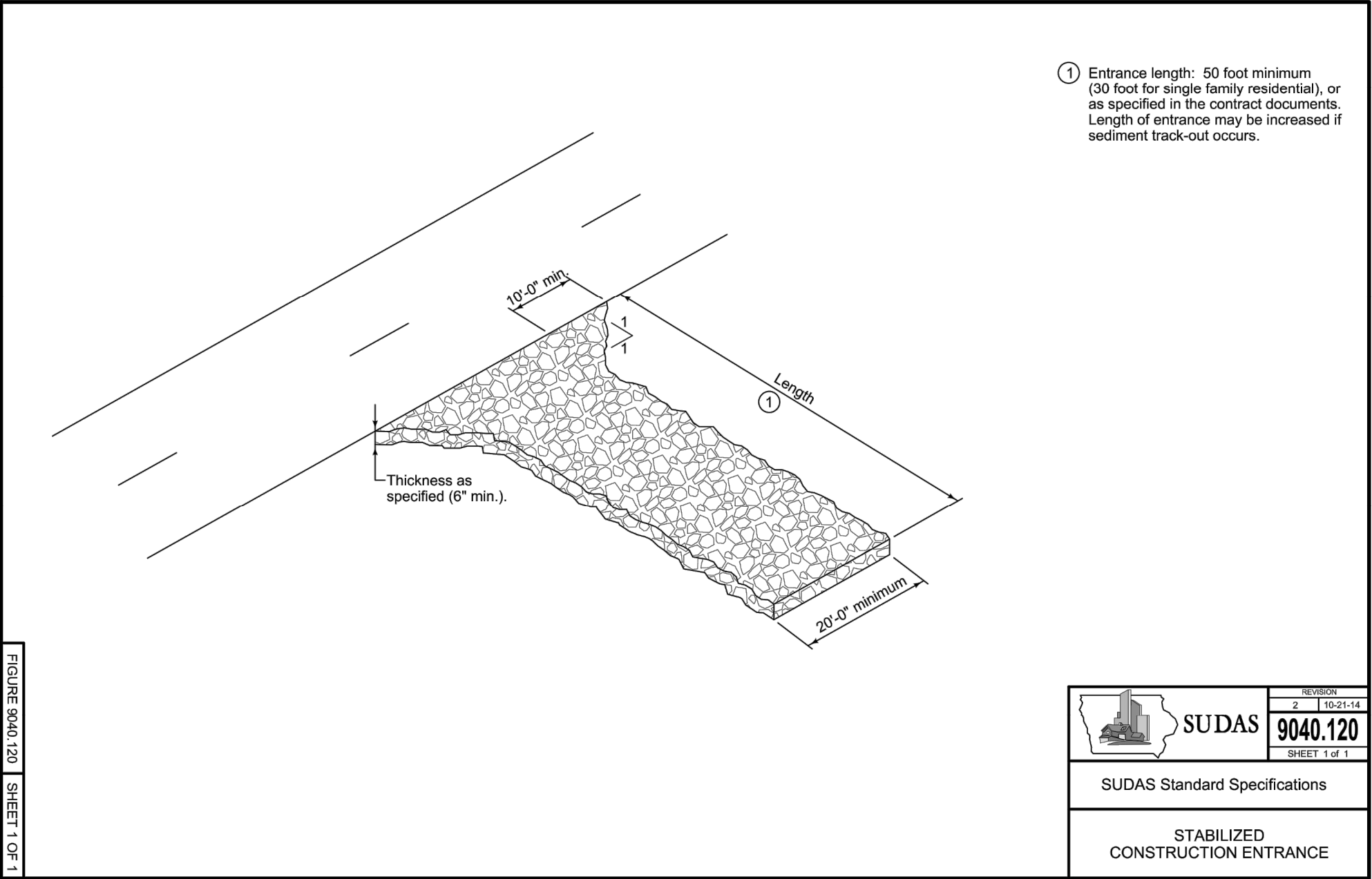
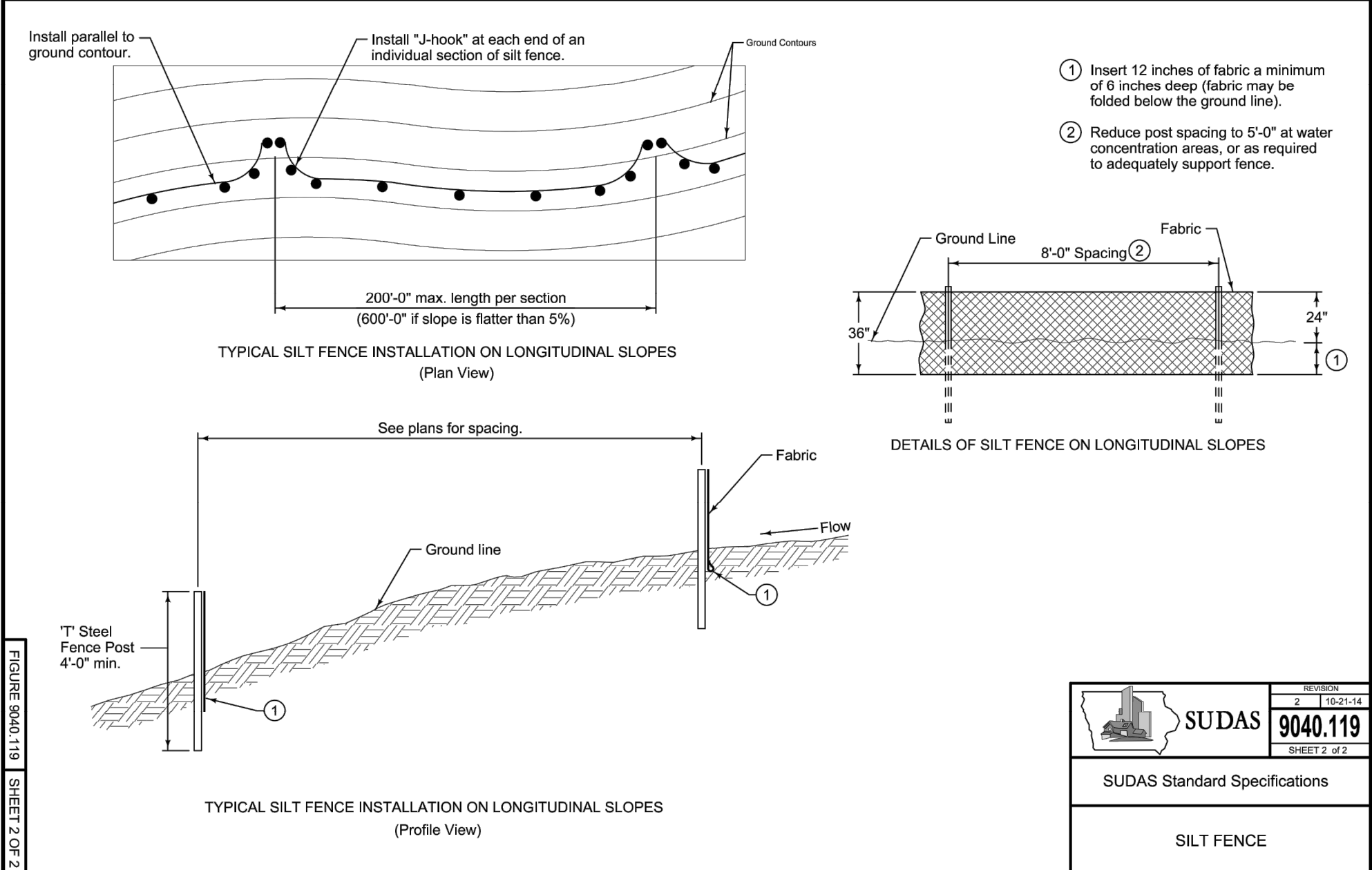
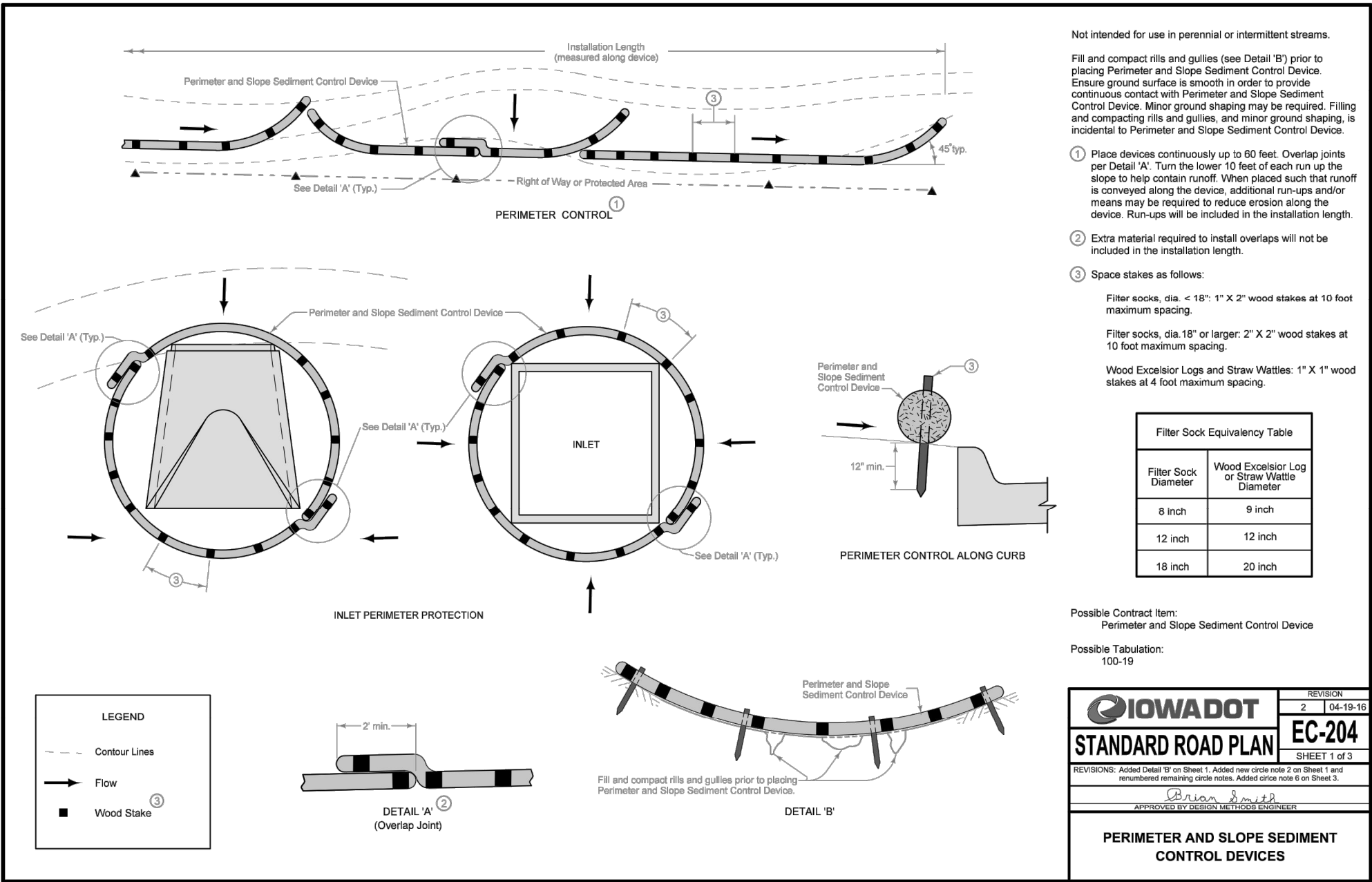
FORT DODGE IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	18-21961
FILE NAME	21961 C5-LAND
DRAWN BY	PJJ
DESIGNED BY	NSG
REVIEWED BY	DAJ/NSG
ORIGINAL ISSUE DATE	03/29/19
CLIENT PROJECT NO.	-

TITLE

RESTORATION &
EROSION SEDIMENT
CONTROL PLAN
(SOUTH)



CONSTRUCTION ACTIVITY NOTES:

POLLUTION PREVENTION:

ALL SOLID WASTE COLLECTED FROM THE CONSTRUCTION SITE MUST BE DISPOSED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.

ALL HAZARDOUS MATERIALS (OIL, GASOLINE, FUEL, PAINT, ETC) MUST BE PROPERLY STORED TO PREVENT SPILLS, LEAKS, OR OTHER DISCHARGE. STORAGE AREAS SHALL PROVIDE SECONDARY CONTAINMENT AND A HAZARDOUS MATERIALS SPILL KIT. EQUIPMENT FUELING AND MAINTENANCE SHALL OCCUR IN A DESIGNATED, CONTAINED AREA. STORAGE AND DISPOSAL OF HAZARDOUS WASTE MUST BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS. ALL RUNOFF CONTAINING ANY HAZARDOUS MATERIAL MUST BE PROPERLY COLLECTED AND DISPOSED. NO ENGINE DEGREASING SHALL BE ALLOWED ON SITE.

ALL SANITARY WASTES MUST BE COLLECTED FROM PORTABLE UNITS ON SITE BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR. THE UNITS MUST BE SECURED AND SHALL BE MAINTAINED ON A REGULAR BASIS AS NEEDED TO PREVENT OVERTFLOWING.

EMERGENCY SPILL PLAN - THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION PERSONNEL TO BE INFORMED OF THE MANUFACTURERS' RECOMMENDED SPILL CLEANUP METHODS, AND THE LOCATION OF THAT INFORMATION AND CLEANUP SUPPLIES. IF A SPILL OCCURS, THE FOLLOWING STEPS SHALL BE FOLLOWED:

- OBSERVE THE SAFETY PRECAUTIONS ASSOCIATED WITH THE SPILLED MATERIAL. STOP THE SOURCE OF THE SPILL, IF YOU CAN DO SO SAFELY. CALL 911 IF FIRE OR PUBLIC SAFETY HAZARDS ARE CREATED.
- CONTAIN THE SPILLED MATERIAL. DIRT, SAND, OR ANY SEMI-IMPERMEABLE MATERIAL MAY BE USED TO CREATE A CONTAINMENT STRUCTURE TO PREVENT THE MATERIAL FROM FLOWING.
- REPORT THE SPILL TO THE IOWA DUTY OFFICER AT (515) 281-8694.
- CLEAN UP THE SPILLED MATERIAL AND DISPOSE OF THE WASTES PROPERLY. WITH THE EXCEPTION OF USED OIL, WASTE GENERATED FROM PETROLEUM SPILLS THAT HAVE BEEN REPORTED AND CLEANED UP IMMEDIATELY ARE EXEMPT FROM IOWA'S HAZARDOUS WASTE RULES. WASTE GENERATED FROM USED OIL SPILLS MUST BE SENT TO A FACILITY FOR ENERGY RECOVERY.

THE CONTRACTOR IS RESPONSIBLE FOR MONITORING AIR POLLUTION AND ENSURING IT DOES NOT EXCEED LEVELS SET BY LOCAL, STATE, OR FEDERAL REGULATIONS. THIS INCLUDES DUST CREATED BY WORK BEING PERFORMED ON THE SITE. AIR POLLUTION AND DUST CONTROL CORRECTION IS CONSIDERED INCIDENTAL TO THE UNIT BID PRICES FOR WHICH WORK IS BEING PERFORMED. ADDITIONAL DUST CONTROL MEASURES MAY BE REQUIRED BY THE ENGINEER.

ONSITE CONCRETE WASHOUT MUST MEET SUDAS SPECIFICATION SECTION 11.050: ALL LIQUID AND SOLID WASTES GENERATED BY CONCRETE WASHOUT MUST BE CONTAINED AND NOT HAVE THE OPPORTUNITY TO COME IN CONTACT WITH THE SURFACE WATERS OR GROUND WATER. THIS INCLUDES DITCHES, SLOPES TO DITCHES, CURB AND GUTTER, STORM SEWER SYSTEMS, AND PONDS. ALL EXCESS WATER AND CONCRETE MUST CONTAINED ONSITE. LIQUID AND SOLID WASTES MUST BE DISPOSED OF PROPERLY.

INSPECTION AND SUGGESTED MAINTENANCE:

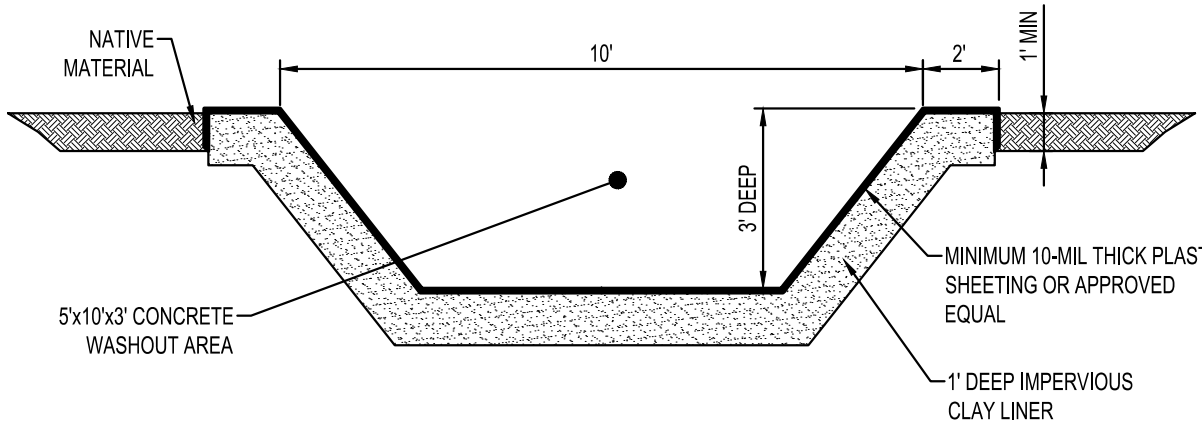
THE CONTRACTOR IS RESPONSIBLE INSPECTIONS AND MAINTENANCE.

THE CONTRACTOR MUST ROUTINELY INSPECT THE CONSTRUCTION SITE ONCE EVERY SEVEN (7) DAYS DURING ACTIVE CONSTRUCTION.

ALL SILT FENCES MUST BE REPAIRED, REPLACED, OR SUPPLEMENTED WHEN THEY BECOME NONFUNCTIONAL OR THE SEDIMENT REACHES ⅓ OF THE HEIGHT OF THE FENCE. EROSION CONTROL AND OTHER BMP'S MUST BE REPLACED, REPAIRED, OR SUPPLEMENTED WHEN THEY REACH 33% DESIGN LOAD.

FINAL STABILIZATION:

THE CONTRACTOR(S) MUST ENSURE FINAL STABILIZATION OF THE SITE. ALL TEMPORARY EROSION CONTROL MEASURES AND BMP'S MUST BE REMOVED AS PART OF THE FINAL SITE STABILIZATION.



NOTES:

CONTRACTOR SHALL INSTALL A SIGN INDICATING THE CONCRETE WASHOUT AREA.

CONTRACTOR SHALL MAINTAIN WASHOUT AREA TO REMOVE MATERIALS BEYOND 75% CAPACITY.

WASHOUT AREA SHALL NOT BE PLACED WITHIN 50' OF STORM DRAINS, OPEN DITCHES OR BODIES OF WATER.

CONTRACTOR SHALL INSPECT WASHOUT AREA AS NECESSARY TO PREVENT LEAKS AND OVER TOPPING.

WASHOUT AREA SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETE.

CONCRETE WASHOUT

NTS

EC500

EROSION AND SEDIMENT CONTROL PLAN NOTES:

PROJECT AREAS:

TOTAL PROJECT SIZE (DISTURBED AREA) = 4.89 ACRES

EXISTING AREA OF IMPERVIOUS SURFACE = 1.82 ACRES

POST CONSTRUCTION AREA OF IMPERVIOUS SURFACE = 2.91 ACRES

TOTAL NEW IMPERVIOUS SURFACE AREA CREATED = 1.09 ACRES

CONSTRUCTION ACTIVITY NOTES:

EROSION PREVENTION:

CONSTRUCTION OF SILT FENCE AND ALL OTHER EROSION CONTROL MEASURES SHALL BE COMPLETE BEFORE OTHER CONSTRUCTION ACTIVITY OCCURS. USE PHASED CONSTRUCTION WHEREVER PRACTICAL AND ESTABLISH TURF AS SOON AS POSSIBLE TO MINIMIZE SEDIMENT TRANSPORT.

TEMPORARY COVER DURING CONSTRUCTION IS INCIDENTAL.

STABILIZATION WILL MEET THE GENERAL CONSTRUCTION PERMIT #2 REQUIRING THAT ANY AREA NOT SUBJECT TO CONSTRUCTION ACTIVITY FOR 21 DAYS OR MORE MUST HAVE STABILIZING MEASURES INITIATED WITHIN 14 DAYS AFTER CONSTRUCTION ACTIVITY HAS CEASED.

PIPE OUTLETS MUST BE PROVIDED WITH TEMPORARY OR PERMANENT ENERGY DISSIPATION WITHIN 24 HOURS AFTER CONNECTION TO A SURFACE WATER.

ALL EXPOSED SOILS SHALL BE SEEDED OR SODDED AT THE EARLIEST POSSIBLE TIME TO PREVENT/REDUCE EROSION.

A. SOD MATERIALS AND INSTALLATION METHODS SHALL BE IN ACCORDANCE WITH SUDAS SPEC. 9020.00.

B. TEMPORARY MULCHING WITH SEEDING SHALL FOLLOW SUDAS 7E-17 AND BE APPLIED AT A RATE OF 1.5 TONS/ACRE. MULCH SHALL BE DISC ANCHORED.

ADDITIONAL EROSION PREVENTION MEASURES MAY BE FOUND IN THE PERMIT AND IDNR'S BEST MANAGEMENT PRACTICES.

SEDIMENT CONTROL PRACTICES:

CONSTRUCTION OF SILT FENCE AND ALL OTHER EROSION CONTROL MEASURES SHALL BE COMPLETE PRIOR TO LAND DISTURBING ACTIVITIES OCCURRING.

A ROCK CONSTRUCTION ENTRANCE OR OTHER APPROVED ALTERNATIVE MUST BE CONSTRUCTED AT THE ENTRY POINT TO THE PROJECT SITE. ROCK CONSTRUCTION ENTRANCE MUST BE 50'X20' (MIN.) OF 2" - 4" CRUSHED ROCK, 8" DEEP.

INLET EROSION PROTECTION SHALL BE INSTALLED AND MAINTAINED UNTIL TURF OR PAVEMENT HAS BEEN ESTABLISHED.

THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL EROSION FROM LEAVING THE CONSTRUCTION ZONE. ALL ERODED MATERIAL THAT LEAVES THE CONSTRUCTION ZONE SHALL BE COLLECTED BY THE CONTRACTOR AND RETURNED TO THE SITE AT THE CONTRACTOR'S EXPENSE.

CONTRACTOR SHALL MAINTAIN A 50-FOOT NATURAL BUFFER OR USE REDUNDANT SEDIMENT CONTROLS NEAR SURFACE WATERS IF A BUFFER IS NOT FEASIBLE.

CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO MINIMIZE SOIL COMPACTION AND PRESERVE TOPSOIL ON SITE.

ALL STREETS MUST BE SWEEPED WITHIN 24 HOURS OF ANY TRACKING OCCURRING AND WILL BE CLEANED AT THE END OF EACH DAY OF WORK AND PRIOR TO A RAIN EVENT.

SILT FENCE OR OTHER EFFECTIVE EROSION CONTROL MEASURES MUST BE INSTALLED AROUND THE PERIMETER OF ANY SOIL STOCKPILED, INCLUDING TEMPORARY STOCKPILES, AT THIS LOCATION OR ANY OTHER ON THE PROJECT SITE. STOCKPILES CANNOT BE PLACED IN SURFACE WATERS, INCLUDING STORM WATER CONVEYANCES SUCH AS CURB AND GUTTER SYSTEMS, OR CONDUITS AND DITCHES.

APPROPRIATE BMP'S SHALL BE INSTALLED AT ALL BORROW SITES.



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PROJECT

CITY OF FORT DODGE OLESON PARK IMPROVEMENTS

FORT DODGE

IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

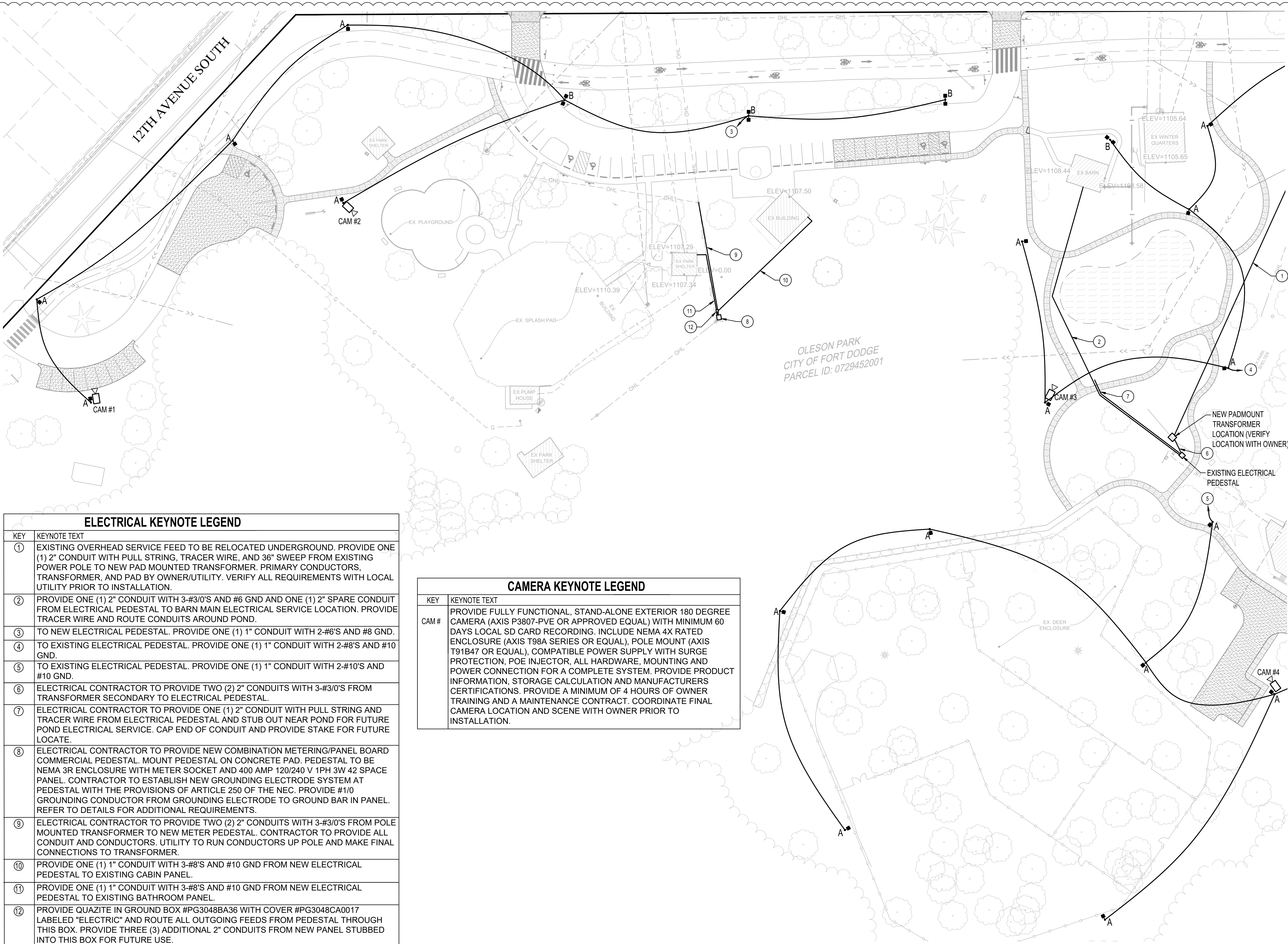
PROJECT NO.	18-21961
FILE NAME	21961 C5-LAND
DRAWN BY	PJJ
DESIGNED BY	NSG
REVIEWED BY	DAJ/NSG
ORIGINAL ISSUE DATE	03/29/19
CLIENT PROJECT NO.	-

TITLE

EROSION SEDIMENT CONTROL PLAN NOTES & DETAILS

SHEET

C5-20

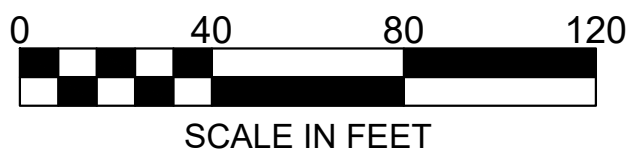
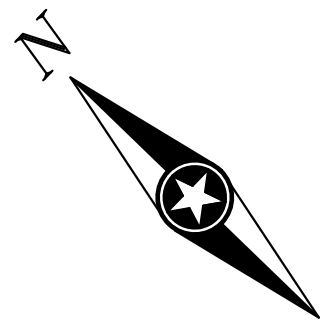


ELECTRICAL KEYNOTE LEGEND

KEY	KEYNOTE TEXT
①	EXISTING OVERHEAD SERVICE FEED TO BE RELOCATED UNDERGROUND. PROVIDE ONE (1) 2" CONDUIT WITH PULL STRING, TRACER WIRE, AND 3/8" SWEEP FROM EXISTING POWER POLE TO NEW PAD MOUNTED TRANSFORMER. PRIMARY CONDUCTORS, TRANSFORMER, AND PAD BY OWNER/UTILITY. VERIFY ALL REQUIREMENTS WITH LOCAL UTILITY PRIOR TO INSTALLATION.
②	PROVIDE ONE (1) 2" CONDUIT WITH 3-#3/0'S AND #6 GND AND ONE (1) 2" SPARE CONDUIT FROM ELECTRICAL PEDESTAL TO BARN MAIN ELECTRICAL SERVICE LOCATION. PROVIDE TRACER WIRE AND ROUTE CONDUITS AROUND POND.
③	TO NEW ELECTRICAL PEDESTAL. PROVIDE ONE (1) 1" CONDUIT WITH 2-#6'S AND #8 GND.
④	TO EXISTING ELECTRICAL PEDESTAL. PROVIDE ONE (1) 1" CONDUIT WITH 2-#8'S AND #10 GND.
⑤	TO EXISTING ELECTRICAL PEDESTAL. PROVIDE ONE (1) 1" CONDUIT WITH 2-#10'S AND #10 GND.
⑥	ELECTRICAL CONTRACTOR TO PROVIDE TWO (2) 2" CONDUITS WITH 3-#3/0'S FROM TRANSFORMER SECONDARY TO ELECTRICAL PEDESTAL.
⑦	ELECTRICAL CONTRACTOR TO PROVIDE ONE (1) 2" CONDUIT WITH PULL STRING AND TRACER WIRE FROM ELECTRICAL PEDESTAL AND STUB OUT NEAR POND FOR FUTURE POND ELECTRICAL SERVICE. CAP END OF CONDUIT AND PROVIDE STAKE FOR FUTURE LOCATE.
⑧	ELECTRICAL CONTRACTOR TO PROVIDE NEW COMBINATION METERING/PANEL BOARD COMMERCIAL PEDESTAL. MOUNT PEDESTAL ON CONCRETE PAD. PEDESTAL TO BE NEMA 3R ENCLOSURE WITH METER SOCKET AND 400 AMP 120/240 V 1PH 3W 42 SPACE PANEL. CONTRACTOR TO ESTABLISH NEW GROUNDING ELECTRODE SYSTEM AT PEDESTAL WITH THE PROVISIONS OF ARTICLE 250 OF THE NEC. PROVIDE #1/0 GROUNDING CONDUCTOR FROM GROUNDING ELECTRODE TO GROUND BAR IN PANEL. REFER TO DETAILS FOR ADDITIONAL REQUIREMENTS.
⑨	ELECTRICAL CONTRACTOR TO PROVIDE TWO (2) 2" CONDUITS WITH 3-#3/0'S FROM POLE MOUNTED TRANSFORMER TO NEW METER PEDESTAL. CONTRACTOR TO PROVIDE ALL CONDUIT AND CONDUCTORS. UTILITY TO RUN CONDUCTORS UP POLE AND MAKE FINAL CONNECTIONS TO TRANSFORMER.
⑩	PROVIDE ONE (1) 1" CONDUIT WITH 3-#8'S AND #10 GND FROM NEW ELECTRICAL PEDESTAL TO EXISTING CABIN PANEL.
⑪	PROVIDE ONE (1) 1" CONDUIT WITH 3-#8'S AND #10 GND FROM NEW ELECTRICAL PEDESTAL TO EXISTING BATHROOM PANEL.
⑫	PROVIDE QUAZITE IN GROUND BOX #PG3048BA36 WITH COVER #PG3048CA0017 LABELED "ELECTRIC" AND ROUTE ALL OUTGOING FEEDS FROM PEDESTAL THROUGH THIS BOX. PROVIDE THREE (3) ADDITIONAL 2" CONDUITS FROM NEW PANEL STUBBED INTO THIS BOX FOR FUTURE USE.

CAMERA KEYNOTE LEGEND

KEY	KEYNOTE TEXT
CAM #	PROVIDE FULLY FUNCTIONAL, STAND-ALONE EXTERIOR 180 DEGREE CAMERA (AXIS P3807-PVE OR APPROVED EQUAL) WITH MINIMUM 60 DAYS LOCAL SD CARD RECORDING. INCLUDE NEMA 4X RATED ENCLOSURE (AXIS T98A SERIES OR EQUAL), POLE MOUNT (AXIS T91B47 OR EQUAL), COMPATIBLE POWER SUPPLY WITH SURGE PROTECTION, POE INJECTOR, ALL HARDWARE, MOUNTING AND POWER CONNECTION FOR A COMPLETE SYSTEM. PROVIDE PRODUCT INFORMATION, STORAGE CALCULATION AND MANUFACTURERS CERTIFICATIONS. PROVIDE A MINIMUM OF 4 HOURS OF OWNER TRAINING AND A MAINTENANCE CONTRACT. COORDINATE FINAL CAMERA LOCATION AND SCENE WITH OWNER PRIOR TO INSTALLATION.



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PROJECT

CITY OF FORT DODGE OLESON PARK IMPROVEMENTS

FORT DODGE IOWA

REVISION SCHEDULE		
DATE	DESCRIPTION	BY
04-08-19	ADDENDUM #1	CL

PROJECT NO.	18-21961
FILE NAME	21961 C6-LIGHT
DRAWN BY	PJJ
DESIGNED BY	NSG
REVIEWED BY	DAJ/NSG
ORIGINAL ISSUE DATE	03/29/19
CLIENT PROJECT NO.	-

TITLE

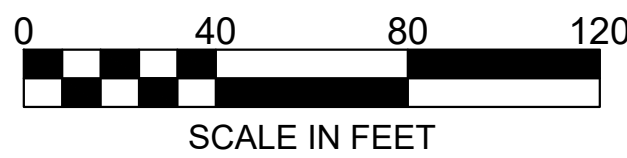
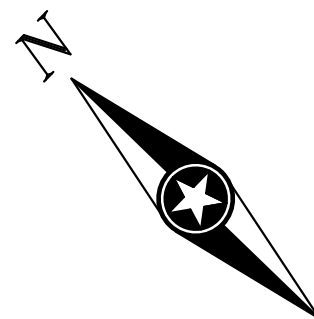
SITE LIGHTING PLAN (NORTH)

SHEET

C6-10



ELECTRICAL KEYNOTE LEGEND	
KEY	KEYNOTE TEXT
⑭	EXISTING ELECTRICAL PANEL. PROVIDE NEW 120V 1P 20A BREAKER IN PANEL FOR NEW SITE LIGHTING CIRCUIT.
⑮	TO EXISTING ELECTRICAL PANEL. PROVIDE ONE (1) 1" CONDUIT WITH 2-#10'S AND #10 GND.



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PROJECT

**CITY OF
FORT DODGE**

**OLESON PARK
IMPROVEMENTS**

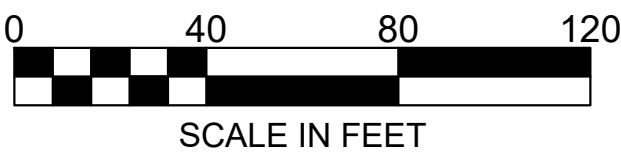
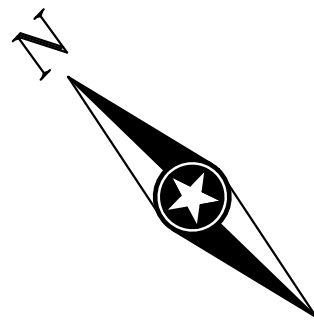
FORT DODGE IOWA

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TITLE

**SITE LIGHTING PLAN
(SOUTH)**



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CITY OF FORT DODGE

OLESON PARK IMPROVEMENTS

FORT DODGE IOWA

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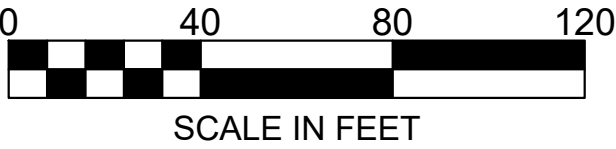
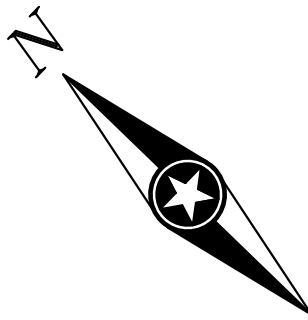
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CLIENT PROJECT NO.	-

TITLE

SITE PHOTOMETRICS PLAN (NORTH)

SHEET

C6-20



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OLESON PARK
IMPROVEMENTS**

FORT DODGE IOWA

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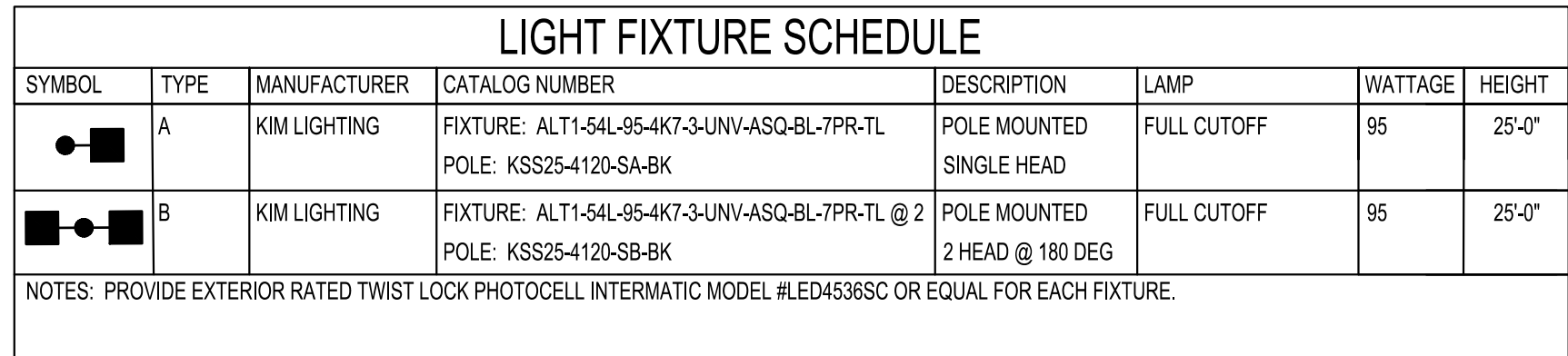
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TITLE

**SITE PHOTOMETRICS
PLAN (SOUTH)**

SHEET

C6-21



1



N.T.S.



N.T.S.

SITE LIGHTING DETAILS

C6-30



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PROJECT

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IMPROVEMENTS

FORT DODGE IOWA

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04-08-19	ADDENDUM #1	CL

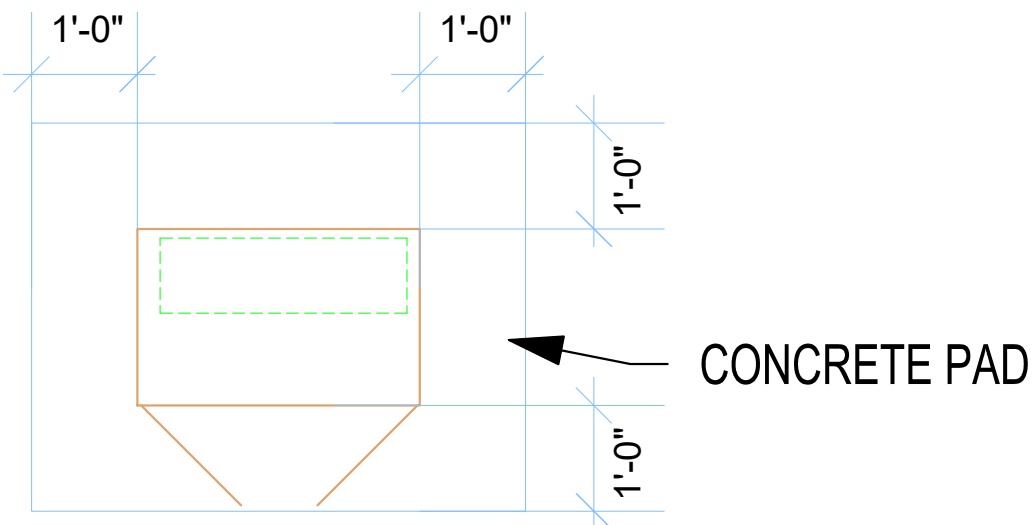
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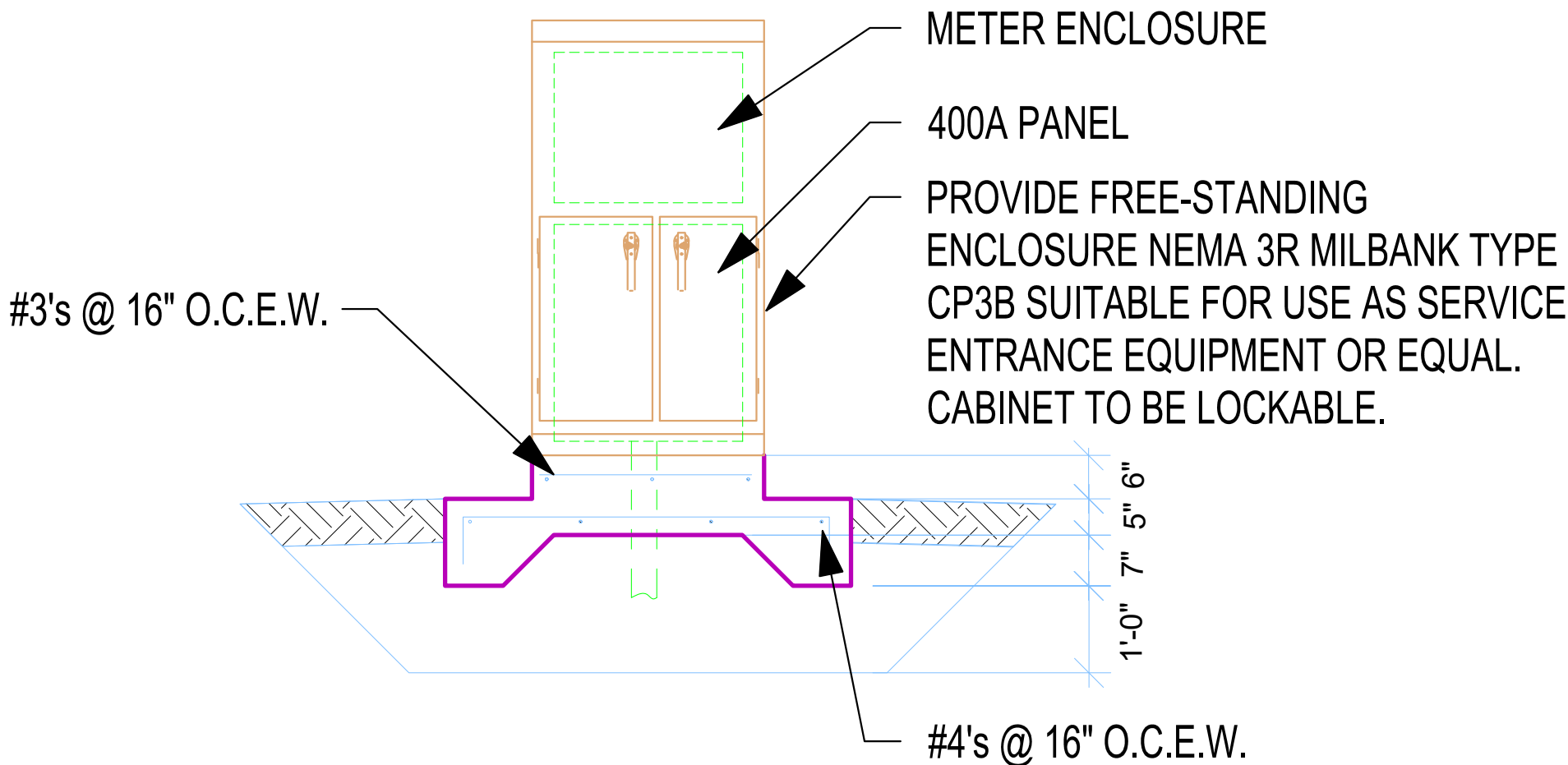
SITE ELECTRICAL
DETAILS

SHEET

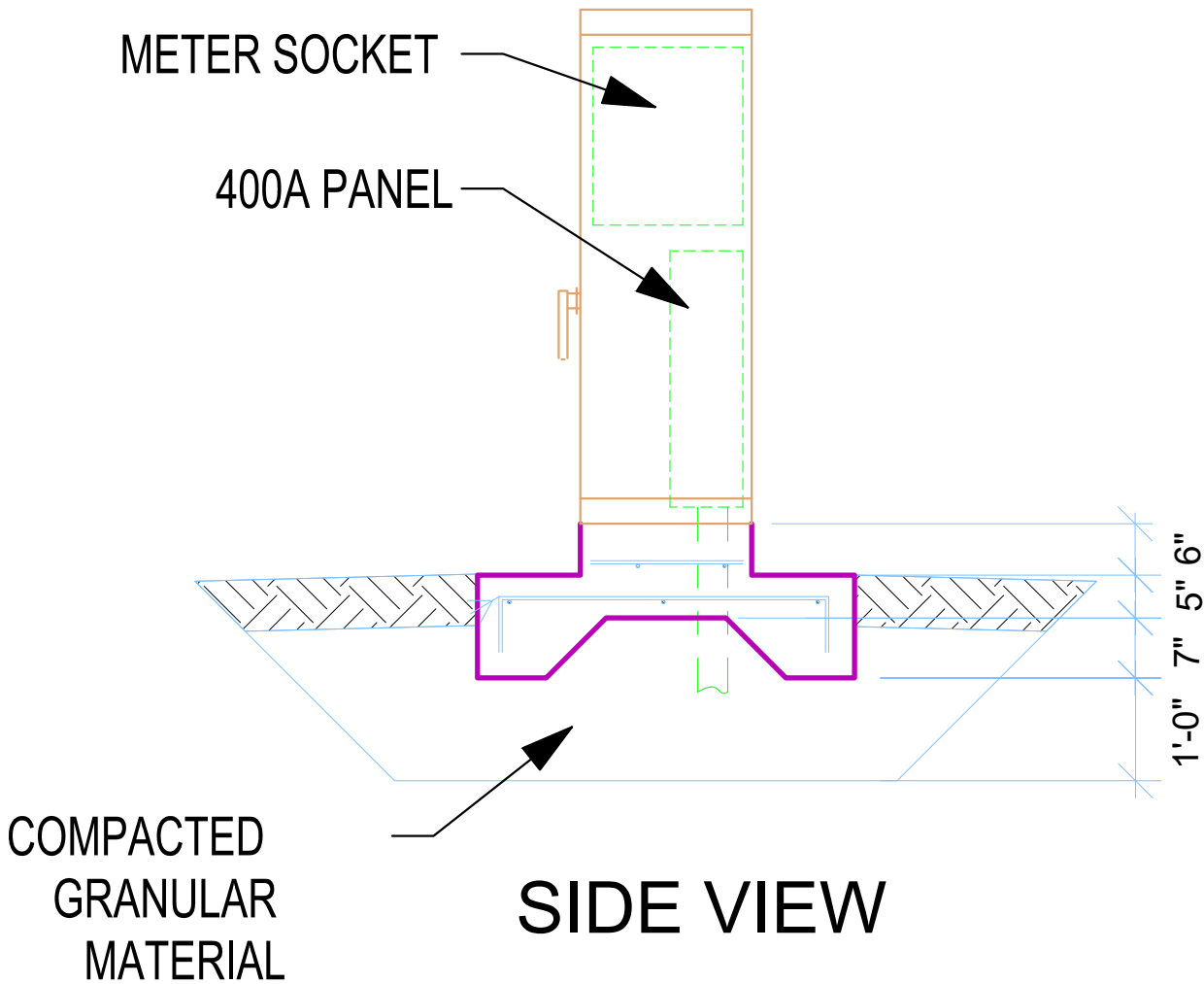
C6-31



TOP VIEW



FRONT VIEW



SIDE VIEW

1

METERING PEDESTAL DETAILS
N.T.S.

New Branch Panel: NORTH PEDESTAL PANEL

Location: Volts: 120/240 Single
Supply From: Phases: 1
Mounting: Pad Mount Wires: 3
Enclosure: NEMA 3R

A.I.C. Rating: 10 KAIC
Mains Type: MCB
Mains Rating: 400 A
MCB Rating: 400 A

Notes:

CKT	Circuit Description	Trip	Pole	A	B	Pole	Trip	Circuit Description	CKT
1	EXISTING BATHROOM	50 A	2	0	0	2	50 A	EXISTING CABIN	2
3	-	-	-	-	-	-	-	-	4
5	FUTURE	200 A	2	0	950	1	20 A	NEW SITE LIGHTING	6
7	-	-	-	-	-	1	20 A	SPARE	8
9	SPARE	20 A	1	0	0	1	20 A	SPARE	10
11	SPARE	20 A	1	-	-	1	20 A	SPARE	12
13	SPARE	20 A	1	0	0	1	20 A	SPARE	14
15	SPARE	20 A	1	-	-	1	20 A	SPARE	16
17	SPARE	20 A	1	0	0	1	20 A	SPARE	18
19	SPARE	20 A	1	-	-	1	20 A	SPARE	20
21	SPARE	20 A	1	0	0	1	20 A	SPARE	22
23	SPARE	20 A	1	-	-	1	20 A	SPARE	24
25	SPARE	20 A	1	0	0	1	20 A	SPARE	26
27	BLANK	--	--	-	-	--	--	BLANK	28
29	BLANK	--	--	0	0	--	--	BLANK	30
31	BLANK	--	--	-	-	--	--	BLANK	32
33	BLANK	--	--	0	0	--	--	BLANK	34
35	BLANK	--	--	-	-	--	--	BLANK	36
37	BLANK	--	--	0	0	--	--	BLANK	38
39	BLANK	--	--	-	-	--	--	BLANK	40
41	BLANK	--	--	0	0	--	--	BLANK	42

Total Load: 950 VA 0 VA
Total Amps: 8 A 0 A

Legend: