

**DEPARTMENT OF
PUBLIC WORKS**

815-724-4200 Direct
815-723-7770 Fax



**150 WEST JEFFERSON STREET
JOLIET, ILLINOIS 60432-4158**

**CITY OF JOLIET
Minor League Baseball Park
ADDENDUM NO. 1
Concrete
8/30/2017 - 9:30 am**

TO: Prospective Bidders for the City of Joliet Minor League Baseball Park
bid# 2278-0917

THE ATTENTION OF ALL PROSPECTIVE BIDDERS ON THE ABOVE REFERENCED PROJECT IS CALLED TO THE FOLLOWING LISTED MODIFICATION IN THE CONTRACT DOCUMENTS:

1. TABLE OF CONTENTS – REPLACE SHEET
2. NOTICE TO BIDDERS - REPLACE SHEET
3. 00301 BID FORM - REPLACE SHEET
4. 00301A SYNTHETIC TURF SYSTEM INSTALLATION EVALUATION CRITERIA SHEET – NEW DOCUMENT
5. LOCAL BIDDER'S PREQUALIFICATION - NEW DOCUMENT
6. 01010-SUMMARY OF WORK – REPLACE SHEET

DRAWINGS

1. C3.0 PROPOSED SITE GEOMETRY PLAN – REPLACE SHEET
2. C5.0 CONSTRUCTION DETAILS – REPLACE SHEET
3. C5.2 CONSTRUCTION DETAILS – REPLACE SHEET

SPECIFICATIONS

1. 32 92 00 LAWNS AND GRASSES – NEW SPEC
2. 09 91 13 EXTERIOR PAINTING – NEW SPEC
3. 32 18 13.14 ARTIFICIAL GRASS FIELD TURF – REPLACE
4. PER SPECIFICATION 323223 CONCRETE BLOCK RETAINING WALL, ALAN BLOCK AB CLASSIC WITH STRATAGRID FOR THE SEGMENTAL RETAINING WALL IS AN ACCEPTABLE ALTERNATE TO THE LISTED KEYSTONE WALL PRODUCT. WALL SHALL BE INSTALLED PER

MANUFACTURER'S INSTALLATION REQUIREMENTS. CONTRACTOR TO PROVIDE STRUCTURAL ENGINEER SIGNED & SEALED SHOP DRAWINGS FOR REVIEW PRIOR TO CONSTRUCTION.

5. PER SPECIFICATION 334200 UNDER-DRAINAGE SYSTEM, 12" MULTI-FLOW DRAIN BY VARICORE TECHNOLOGIES IS AN ACCEPTABLE ALTERNATE TO THE LISTED 12" ADS ADVANEDGE
6. QUESTION AND ANSWER LOG

Please acknowledge that you are in receipt of Addendum No. 1 on the bid envelope. Failure to do so will result in rejection of bid.

DIVISION 0 - BIDDING AND CONTRACT REQUIREMENTS
SECTION 00010 - TABLE OF CONTENTS

Project: City of Joliet – Minor League Baseball Park
1 Mayor Art Schultz Drive,
Joliet, IL 60432
Concrete
Bid#2278-0917

Owner: City of Joliet – Minor League Baseball Park
1 Mayor Art Schultz Drive
Joliet, IL 60432

Architect: Wight & Company
2500 North Frontage Road
Darien, Illinois 60561

Date: **August 24, 2017**

<u>SECTION</u>	<u>TITLE</u>	<u>PAGES</u>
<u>DIVISION 0 - BIDDING & CONTRACT REQUIREMENTS</u>		
00010	Table of Contents	00010-1-2
00200	Notice to Bidders	00200-1-2
	Prospective Bidders Letter	
	Responsible Bidders Ordinance	
00301	Bid Form Bid Package #04 – Concrete	00301-1-18
	Bid Scope Bid Package #04 – Concrete	
00301A	Synthetic Turf System Installation Evaluation Criteria Sheet	
	Local Bidder’s Prequalification	
	City of Joliet Affidavits with Contract	
	City of Joliet General Conditions	
00201	General Provisions	00201-1-38
00280	Prevailing Wage Rates	00300-1-12
<u>DIVISION 1 - GENERAL CONDITIONS</u>		
01010	Summary of Work	01010-1-5
01025	Payment, Modification & Completion Procedures	01025-1-6
01200	Progress Documentation & Procedures	01200-1-5
01250	Construction Schedule	01250-1-1
01300	Submittals	01300-1-6
01400	Quality Control Procedures	01400-1-3
01510	Temporary Utilities	01510-1-2
01600	Product Requirements	01600-1-7
01630	Product Options & Substitutions	01630-1-4
01700	Construction Procedures	01700-1-10
01800	Project Record Documents	01800-1-3
017419	Construction Waste Management and Disposal	017419-1-7

City of Joliet – Minor League Baseball Park 00010-1
1 Mayor Art Schultz Drive
Joliet, IL 60432

07-5302-02

DIVISION 0 - BIDDING AND CONTRACT REQUIREMENTS
SECTION 00010 - TABLE OF CONTENTS

DIVISION 09 – Finishes

099113 Exterior Painting

DIVISION 24 – Saw cutting and Paving

024113.13 Paving Removal

DIVISION 31 – Site Clearing

311000 Site Clearing

312000 Earth Moving

312333 Trenching and Backfilling

DIVISION 32 – Concrete / Field Turf

321383 PCC Sidewalks

321613 Concrete Curbs and Gutters

321813.14 Artificial Grass Field Turf

329200 Lawns and Grasses

DIVISION 33 – Site Utilities

330513 Manholes and Structures

334000 Storm Drainage Utilities

334200 Under-Drainage Systems

END OF SECTION 00010

NOTICE TO BIDDERS
CITY OF JOLIET
ADVERTISEMENT TO BIDS
Bid#2278-0917
Joliet Minor League Baseball Park - Concrete

The City of Joliet, Illinois, does hereby invite sealed bids for **concrete work**, which will consist of the installation of concrete curbs and sidewalks for the new synthetic turf field.

Bids will be received at the Office of the City Clerk, City of Joliet Municipal Building, 150 West Jefferson Street, Joliet, Illinois 60432-4156 until **9:30 A.M.** local time on **August 30, 2017** at which time they will be opened and publicly read aloud.

Those desiring to bid may examine the bid documents and detailed specifications in the City of Joliet Purchasing Division, 150 W. Jefferson St., Joliet, IL 60432 between the hours of 8:00 A.M. and 4:30 P.M., Monday through Friday. Electronic copies can be downloaded free of charge at <http://www.cityofjoliet.info/bids-proposals>.

A non-mandatory pre-bid meeting will be held on August 23, 2017 at 1:00 PM at the Joliet Baseball Park- 1 Mayor Art Shultz Drive, Joliet Illinois.

All Bidding Document holders should sign up for RSS feeds at <http://cityofjoliet.info/services/finance/purchasing/bids-proposals/construction-public-works> and provide your first and last name and email address to automatically receive addendums. Addendums will also be posted on the City of Joliet's website at <http://www.cityofjoliet.info/bids-proposals>. The potential vendor/contractor remains responsible for obtaining all addenda to the original specification so they should check the specific bid page before submitting a bid to make sure they have received all addendums to a specific contract.

All bidders will be required to submit Bid Security in the form of a Certified Check, Cashier's Check or a Bid Bond in the amount of **ten percent (10%) of the Base Bid**, payable to the City of Joliet.

The successful bidder will be required to post performance Security and to provide a Certificate of Insurance as set forth in the Invitation of Bid and the General Terms & Conditions.

The City of Joliet has a local qualified bidder ordinance that would apply to this contract. To apply to be a local qualified bidder please go to <http://cityofjoliet.info/services/finance/purchasing/prequalification-process>.

Bidders are required to be pre-qualified prior to the bid due date. Submit one fully executed copy of AIA Document A305 "Contractor's Qualification Statement" prior to submitting this bid form via email to Mary Judge at mjudge@wightco.com.

The City of Joliet reserves the right to reject any and all bids, parts of any and all bids, or to waive technical errors or omissions in bids.

The Contract shall be subject to the provisions of the *Prevailing Wage Act* (820 ILCS 130/1 et seq.) to the extent required by law and the City of Joliet Procurement Code (Section 2-430 - 2-453 of the Code of Ordinances).

BID DOCUMENT FEE: **\$50.00 – Electronic download is free**

Published in the Herald News

Tuesday – August 15, 2017

Thursday – August 17, 2017

Martin J. Shanahan
Interim City Manager
Margaret E. McEvelly
Contract Administrator

BID DATE: August 30, 2017 at 9:30 a.m. (CST)
(as date/time stamped by City of Joliet's Receptionist)

BID TO: City of Joliet
City Hall
150W Jefferson St
Joliet, IL 60432

RECEIVED BY:

BID FROM: _____

BID FOR: ***Bid Group 1 - Bid Package #04 Concrete***
City Hall
150W Jefferson St
Joliet, IL 60432

It is required to have one original bid form and one copy of your bid form.

THE UNDERSIGNED:

Acknowledges receipt of:

Plans and specifications for the work indicated above.

Addenda: No. _____ dated _____
No. _____ dated _____
No. _____ dated _____
No. _____ dated _____

Having examined the site of the work, and having familiarized himself or herself with local conditions affecting the cost of the work and with all requirements of the bidding documents including Instructions to Bidders, drawings, specifications and duly issued addenda as prepared by the architect, Wight & Company, hereby agrees to perform all work and furnish all labor, material and equipment specifically required of him by the bidding documents and such additional work as may be included as related requirements in other divisions or sections of the specifications, exclusive of alternate bids.

Agrees:

To furnish and install the described material and/or services for stated lump sum price.

To hold this bid open until **90** calendar days after bid opening date.

To accept the provisions of the General Provisions (Project Manual Division 0 – Bidding & Contracting Requirements Section 00201) and disposition of bid security.

To enter into and execute a contract with the Owner, if awarded on the basis of this bid, and in connection therewith to:

1. Furnish all bonds and insurance required by the bidding documents.
2. Accomplish the work in accordance with the contract.
3. Complete the work within the contract time herein specified.

Completion Time:

The undersigned agrees to begin construction immediately, or as directed by the Construction Manager, upon notice of contract award and to perform the following components of the work in accordance with the Construction Manager’s Construction. This schedule is bound in the Project Manual. See attached scope of work in section 0300.

SCOPE OF WORK:

The work in this agreement (without additional compensation) shall include, but shall not necessarily be limited to, all skilled labor, supervision, premium time, materials, tools, equipment, plant, supplies, samples, shop drawings, design/engineering drawings, layout, transportation, supervision, contributions, insurance, taxes (if applicable), compliance with all agencies (City / Village, County, State, Federal and/or any other jurisdictional agency, as may be required) and/or all services and facilities necessary and/or required for the performance of all Work shown, detailed, and/or implied by the following documents and as defined herein.

It is understood that this Trade Contractor shall perform the Work for a complete and operational system as indicated or implied in all Contract Documents. It is recognized and understood that the documents upon which the bid is based are at a conceptual phase and this Contractor who has certain skills and judgments based upon his knowledge of techniques, procedures, systems, general state of the art of his specialty is expected to include in the scope of work, all items required in order to carry out a complete and functional system whether or not shown or described in the contract documents. This contract will be awarded on the basis of such documents with the understanding that this contractor is to furnish and install all items required for the proper completion of this work without adjustment to this contract price. No extra payments shall be made of claims entertained as a result of such items, unless it can be clearly demonstrated to be added scope to the contract and beyond the original intent of the documents.

Contractor to provide all Trade Contract work referenced in:

1. Any sheet of this bid group package including (reference Division 0 – Bidding and Contract Requirements, Section 00200 – Notice to Bidders).
2. Specification 00300 Bid Packages Scope Document.

WORK BASE BID: For providing all work including all allowances as required for the completion of the construction of the base bid project as shown on the drawings and specifications and NOT including alternate bids and/or contractor's proposed alternates and substitutes.

BASE BID

TOTAL BASE BID AMOUNT **City of Joliet Minor League Baseball Park**
Concrete

_____ Dollars (\$ _____)

Award Basis:

The project will be awarded based upon the attached Evaluation Criteria, Section 301a. Owner and Construction Manager alternate's may be considered to find the most qualified bidder if the result of combining the base bid and the selected alternate(s) is the most qualified bid, and is to the benefit of the owner.

Each of the following amounts for alternate construction includes the entire cost of such construction, except as otherwise noted. Acceptance of any or all of the alternates for inclusion in the contract is the sole prerogative of the owner.

All additional costs due to the alternates are included in the amount to be added to the base bid, so that no additional costs will be borne by the owner due to acceptance of alternates. This alternate price is not to be included in the base bid price.

Owner Requested Alternates:

Each of the following amounts for alternate construction includes the entire cost of such construction, except as otherwise noted. Acceptance of any or all of the alternates for inclusion in the contract is the sole prerogative of the owner.

All additional costs due to the alternates are included in the amount to be added to the base bid, so that no additional costs will be borne by the owner due to acceptance of alternates.

Proposed Alternates: (Contractors Proposed Alternates)

Item Specified	Proposed Alternate	Change in Bid Price
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____

Owner Requested Scheduling Information:

Note: The work of this Trade Contractor is to be completed in accordance with the overall project schedule as identified elsewhere in this project manual and/or as subsequently directed by Construction Manager. This Trade Contractor shall submit a proposed submittals list/schedule/material log within five (5) calendar days of Notice To Proceed.

1. Shop drawings / Submittal for this trade contractor will be submitted within 10 calendar days of receipt of notice to proceed.

Bid Acceptance:

If written notice of the acceptance of this bid is mailed, telegraphed or delivered to the undersigned within the time noted herein, after the date of opening of bids or at any time thereafter before this bid is withdrawn, the undersigned agrees that he will execute a construction contract in accordance with the bids as accepted.

The Owner reserves the right to award the contract to its best interests, review and accept any and all value engineering alternatives, negotiate with the lowest responsible bidder, to reject any or all bids, to waive any informalities in bidding and to hold all bids for the bid guarantee period. The Owner reserves the right to award separate contracts for any of the items of work bid herein.

Bid Deposit:

The undersigned furnishes herewith, as required in the Instructions to Bidders, a bid deposit in the amount of ten percent (10%) of the amount bid in the form of Cashier's Check, or Certified Check, made payable to the Owner or Bid Bond, naming the Owner as obligee. (Bidder to check form of deposit furnished.)

It is understood and agreed that should the undersigned fail to enter into a contract with the Owner or furnish acceptable contract security within the time and in the manner herein provided, the bid deposit shall be retained by the Owner as liquidated damages and not as a forfeiture. As it is impossible to determine precisely an exact amount of damages the Owner will sustain, it is agreed that the bid deposit is a fair and equitable estimate of such damages.

REPRESENTATIONS AND CERTIFICATIONS:

The bidder makes the following representations and certifications as part of his bid on the project herein identified in the Bid Form. In the case of a joint venture bid, each party represents and certifies as to his own organization.

AVAILABILITY. The number and amount of contracts and awards pending which I am and/or will be obligated to perform, now and during the course of the project, will not interfere with or hinder the timely prosecution of my work.

SURETY. I have notified a Surety Company that I am submitting a bid for work to be performed on the project. The Surety Company has agreed to issue a performance and labor and material payment bond for my work, if my bid is accepted and the contract awarded to me.

INDEPENDENT PRICE DETERMINATION. The contract sum in this bid has been arrived at independently, without consultation, communication or agreement for the purpose of restricting competition.

PREVAILING WAGE. The contractor and each contractor shall pay not less than the general prevailing rate of hourly wages for work of a similar character in the locality in which the work is performed and not less than general prevailing rate of hourly wages for legal holidays and overtime work in the performance of work under this contract, as established by the Illinois Department of Labor, pursuant to an act of the General Assembly of the State of Illinois approved June 26, 1941 as amended according to Section 820 ILCS 130/1.

Pursuant to Section 820 ILCS 130/5, the contractor and each contractor shall keep an accurate record showing the names and occupation of all laborers, workers and mechanics employed by them, and also showing the actual hourly wages paid to each such individual, which record shall be open at all reasonable hours to inspection by the Owner, its officers and agents, and to agents of the Illinois Department of Labor.

The contractor and each contractor hereby agree, jointly and severally, to defend, indemnify and hold harmless the Owner from any and all claims, demands, liens or suits of any kind or nature whatsoever (including suits for injunctive relief) by the Illinois Department of Labor under the Illinois Prevailing Wage Act, Section 820 ILCS 130/1., or by any laborer, worker or mechanic employed by the contractor or the contractor who alleges that he has been paid for his services in a sum less than prevailing wage rates required by Illinois law. The Owner agrees to notify the contractor or contractor of the pendency of any such claim, demand, lien or suit.

By submitting a bid, each bidder agrees to waive any claim it has or may have against the Owner, the Architect, Engineer, Construction Manager and their respective employees, arising out of or in connection with the administration, evaluation, or recommendation of any bid; waiver of any requirements under the Bid Documents; or the Contract Document; acceptance or rejection of any bids; and award of the Contract.

Signature:

Respectfully submitted this _____ day _____, 2017

Type of Firm (Bidder to indicate)

_____ Individual

_____ Partnership

_____ Corporation

_____ Joint Venture

_____ Other

(CORPORATE SEAL)

(Firm Name)

(Address)

(Telephone Number) (FAX)

(E-mail Address)

(Bidder's Signature)

(Title)

Subscribed and sworn to me
this _____ day of _____, 2013

NOTE: All pages of this bid form must be returned with your proposal. Failure to do so shall disqualify your bid.

CERTIFICATE OF BIDDER ELIGIBILITY

720 ILCS 5/33E-11 REQUIRES THAT ALL CONTRACTORS BIDDING FOR PUBLIC AGENCIES IN THE State of Illinois certify that they are not barred from bidding on public contracts for bid rigging or bid rotation.

The following certification must be signed and submitted with bidder's bid proposal. FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF THE BIDDER.

_____, as part of its bid for the _____ work for City of Joliet, Joliet, Illinois, Will County, Illinois certified that said contractor is not barred from bidding on the aforementioned contract as a result of violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33-E4.

Firm: _____

By: _____
(Signature)

(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This _____ day of _____, 2017

NOTARY PUBLIC

**CRIMINAL CODE CERTIFICATION
AS REQUIRED BY:
STATE OF ILLINOIS CRIMINAL CODE OF 2012, 720 ILCS 5/33E-11**

I, _____ the individual whose signature appears below on this bid/contract
for _____ hereby certify that the bidding party/contracting
party is not barred from bidding on the contract as a result of a violation of either Section 33E-3 or Section 33E-4
of 720 ILCS 5/33E-3 or 5/33E-4 of the Illinois Compiled Statutes, as amended.

By: _____
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before
me this ____ day _____, 20__.

Notary Public

EQUAL EMPLOYMENT OPPORTUNITY

Section I. This EQUAL EMPLOYMENT OPPORTUNITY CLAUSE is required by the Illinois Human Rights Act and the Rules and Regulations of the Illinois Department of Human Rights published at 44 Illinois Administrative Code Section 750, *et seq.*

Section II. In the event of the Contractor's noncompliance with any provision of this Equal Employment Opportunity Clause, the Illinois Human Rights Act, or the Rules and Regulations of the Department of Human Rights (hereinafter referred to as the Department) the Contractor may be declared ineligible for future contracts or contracts with the State of Illinois or any of its political subdivisions or municipal corporations, and this Contract may be canceled or voided in whole or in part, and other sanctions or penalties may be imposed or remedies involved as provided by statute or regulation.

During the performance of this Agreement, the Contractor agrees:

A. That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, national origin or ancestry, citizenship status, age, physical or mental disability unrelated to ability, military status or an unfavorable discharge from military service; and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.

B. That, if it hires additional employees in order to perform this Contract, or any portion hereof, it will determine the availability (in accordance with the Department's Rules and Regulations) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.

C. That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, sexual orientation, marital status, national origin or ancestry, citizenship status, age, or physical or mental handicap unrelated to ability, military status or an unfavorable discharge from military service.

D. That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the Vendor's obligations under the Illinois Human Rights Act and Department's Rules and Regulations. If any labor organization or representative fails or refuses to cooperate with the Contractor in its efforts to comply with the Act and Rules and Regulations, the Contractor will promptly notify the Department and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations under the Contract.

E. That it will submit reports as required by the Department's Rules and Regulations, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Illinois Human Rights Act and Department's Rules and Regulations.

F. That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and Department for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and Department's Rules and Regulations.

G. That it will include verbatim or by reference the provisions of this Equal Employment Opportunity Clause in every contract it awards under which any portion of this Contract obligations are undertaken or assumed, so that such provisions will be binding upon such contractor. In the same manner as the other provisions of this Agreement, the Contractor will be liable for compliance with applicable provisions of this clause by such contractors; and further it will promptly notify the contracting agency and the Department in the event any contractor fails or refuses to comply therewith. In addition, the Contractor will not utilize any contractor declared by the Illinois Human Rights Department to be ineligible for contracts or contracts with the State of Illinois or any of its political subdivisions or municipal corporations.

ACKNOWLEDGED AND AGREED TO:

By: _____
Authorized Agent of Contractor (name and title)

DATE: _____

SEXUAL HARASSMENT POLICY

_____, having submitted a bid for _____ (Name of Contractor)
_____ to City of Joliet, hereby certifies that said contractor has a
written sexual harassment policy in place in full compliance with 775 ILCS 5/2-105 (A) (4).

By: _____
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before
me this ____ day _____, 20__.

Notary Public

TAX CERTIFICATION

I, _____, having been first duly sworn depose and state as follows:

I, _____, am the duly authorized agent for
to _____ City of Joliet for

_____ and I hereby certify that _____ is not delinquent in the payment of any tax administered by the Illinois Department of Revenue, or if it is:

- a. it is contesting its liability for the tax or the amount of tax in accordance with procedures established by the appropriate Revenue Act; or
- b. it has entered into an agreement with the Department of Revenue for payment of all taxes due and is currently in compliance with that agreement.

By: _____
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before
me this ____ day _____, 20__.

Notary Public

SUBSTANCE ABUSE PREVENTION ON PUBLIC WORKS PROJECTS

The Contractor certifies that it has in place a written program that meets or exceeds the program requirements of the Substance Abuse Prevention on Public Works Projects Act (Public Act 95-0635), and will provide a copy thereof to City of Joliet prior to commencement of work on the Project.

By: _____
Authorized Agent of Contractor (name and title)

SUBSCRIBED AND SWORN to before
me this ____ day _____, 20__.

Notary Public

**CERTIFICATE REGARDING
EMPLOYMENT OF ILLINOIS WORKERS ON PUBLIC WORKS**

_____ agrees if at the time the Agreement is executed, or if during the term of the Agreement, there is excessive unemployment in Illinois as defined in the Employment of Illinois Workers on Public Works Act, 30- ILCS 570/0/01 et seq., as two consecutive months of unemployment exceeding 5%, then _____ agrees to employ Illinois laborers in accordance with the Employment of Illinois Workers on Public Works Act. An "Illinois laborer" is defined as any person who has resided in Illinois for at least thirty (30) days and intends to become or remain an Illinois resident.

Firm: _____

By: _____
(Signature)

(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This _____ day of _____, 2017

NOTARY PUBLIC

PREVAILING WAGE AFFIDAVIT

AFFIDAVIT: "I (we) hereby certify and affirm that if awarded a contract with City of Joliet, we will comply fully with the "Illinois Prevailing Wage Act (Ill. Rev. Stat., 1987 Ch. 48, Sections 398 s-1-12 as amended by Public Act 86-693 and 86-799 effected January 1, 1990, and any other amendments effective thereafter)". We further understand that current prevailing wage standards are included in the Supplementary General Conditions.

The following affidavit must be signed and submitted with bidder's bid proposal. FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF THE BIDDER.

_____, as part of its bid for the _____ work for City of Joliet, Joliet, Illinois, certifies that said contractor is not barred from bidding on the aforementioned contract as a result of a violation of the Illinois Prevailing Wage Act (Ill. Rev. Stat., 1987 Ch. 48, Sections 398 s-1-12 as amended by Public Act 86-693 and 86-799 effected January 1, 1990).

Firm: _____

By: _____
(Signature)

(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This _____ day of _____, 2017

NOTARY PUBLIC

NON-COLLUSION AFFIDAVIT

AFFIDAVIT: "I (we) hereby certify and affirm that my (our) proposal was prepared independently for this project and that it contains no fees or amounts other than that for the legitimate execution of this work as specified and that it includes no understanding or agreements in restraint of trade."

The following affidavit must be signed and submitted with bidder's bid proposal.
FAILURE TO DO SO MAY RESULT IN DISQUALIFICATION OF THE BIDDER.

_____, as a part of its bid for the _____ work for City of Joliet Joliet, Illinois, certifies that said Contractor is not barred from bidding on the aforementioned contract as a result of a violation of the above Non-Collusion Affidavit.

Firm: _____

By: _____
(Signature)

(Printed Name & Title)

SUBSCRIBED AND SWORN TO before me

This _____ day of _____, 2017

NOTARY PUBLIC

Criminal Background Investigations

Contractor hereby represents, warrants and certified that no officer or director thereof has any knowledge that any employee thereof has been convicted of committing or attempting to commit "Criminal Code of 1961," 720 ILCS, Sections 5/11-6 (Indecent solicitation of a child), 5/11-9 (Public indecency), 5/11-14 (Prostitution), 5/11-15 (Soliciting for a prostitute), 5/11-15.1 (Soliciting for a juvenile prostitute), 5/11-19 (Pimping), 5/11-19.1 (Juvenile pimping), 5/11-19.2 (Exploitation of a child), 5/11-20 (Obscenity), 5/11-20.1 (Sexual assault), 5/12-14 (Aggravated criminal sexual assault), 5/12-15 (Criminal sexual abuse), and 5/120-16 (Aggravated criminal sexual abuse), and/or those offenses defined in the "Cannabis Control Act," 720 ILCS, 550/1 et seq. (except the "Illinois Controlled Substances Act," 720 ILCS 570/100 et seq. and/or any offense committed or attempted in any other state or against the laws of the United States, which if committed or attempted in this State, would have been punishable as one or more of the foregoing offenses.

Contractor further agrees that it shall not employ any person who have or may have direct, daily contact with the pupils of any school in the district, and for whom a criminal background investigation has not been conducted pursuant hereto, and further represents and agrees that all applicants for any such employment shall furnish with their applications the attached written "Authorization for Criminal Background Information" form authorizing the Board of Education to request a criminal background investigation of said applicant pursuant to Section 5/10-21.9 of the School Code of Illinois and to receive criminal history record information pursuant thereto to determine if the applicant has been convicted of committing or attempting to commit any of the criminal or drug offenses enumerated above. Contractor further agrees to submit with said authorization payment for any costs and expenses associated with the criminal background investigation.

Contractor further represents, warrants, and certifies that no applicant for employment with respect to whom the criminal investigation reveals any conviction for committing and/or attempting to commit any of the above enumerated offenses shall be employed thereby in any position that involves or may involve contact with the students of the school district.

This certification is executed on the date hereinafter indicated by the designated contractor by its duly authorized officer.

Firm: _____

By: _____
(Signature)

(Printed Name & Title)

Date: _____

Criminal Background Investigation

The undersigned hereby authorizes of City of Joliet, Joliet, Illinois, to request a criminal background investigation from the Illinois State Police, pursuant to Section 5/10-21.9 of the School Code of Illinois, 105 ILCS 5/10-21.9 and to receive criminal history record information pursuant thereto.

By: _____
(Signature of Applicant of Employee)

(Printed or Typed Name of Applicant Employee)

Date: _____

BUSINESS CLASSIFICATION

a) Business Entity (check one)

Corporation (Publicly held)* Not-for-Profit* Government Agency/Public Institution*
 Corporation (Privately held) Partnership Sole Proprietor

* If checked, do not complete section III (b) and (c) below.

b) Business Ownership (check one) If minority or woman owned, attach copy of certification evidence.

Large Business: Male Owned Woman Owned
Small Business: Male Owned Woman Owned

BUSINESS DEFINITIONS

Small Business Concern - an independently owned and operated concern certified, or certifiable, as a small business by the Federal Small Business Administration (SBA). Standard Industrial Classification (SIC) codes may be found in the Federal Acquisition Regulations, Section 19.102 or in the Federal Procurement Regulations, Section 1-1.701.

Small Disadvantaged or Minority Business Concern - a small business concern which is at least fifty-one percent (51%) owned by one or more socially and economically disadvantaged individuals or in the case of any publicly owned business, at least fifty-one percent (51%) of the stock of which is owned by such individuals; and whose management and daily business operations are controlled by one or more of such individuals. Business owners who certify that they are members of named groups (Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans) are considered socially and economically disadvantaged.

Woman-Owned Business - a business concern that is at least fifty-one percent (51%) owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" in this context means being actively involved in the day-to-day management.

c) Race/Ethnicity of Ownership (check one) based on definitions below.

Black Asian/Pacific or Asian/Indian Caucasian
 Hispanic Native American (American Indians, Eskimos, Aleuts and native Hawaiians)

ETHNIC GROUP DEFINITIONS

Black Americans: United States citizens whose origins are in any of the Black racial groups of Africa.
Hispanic Americans: United States citizens whose origins are in Mexico, Puerto Rico, Cuba, Portugal, Central or Central America.
Native Americans: United States citizens whose origins are in any of the original peoples of North America, i.e., American Indians, Eskimos, Aleuts and native Hawaiians.
Asian Pacific/Asian Indian Americans: United States citizens whose origins are in Japan, China, Korea, Taiwan, Cambodia, Laos, Vietnam, the Philippines, Samoa, Guam, the U.S. Trust Territories of the Pacific Islands, the Northern Mariana Islands, India, Pakistan, or Bangladesh.

I certify that the business classification and ethnicity indicated above reflects the true and correct status of this business in accordance with current Federal Small Business Administration criteria. I agree to inform City of Joliet immediately in writing of any changes to the information contained herein, including changes in ownership, controlling interest or operations. I understand that falsely certifying this information may result in suspension from participation in City of Joliet Minor League Baseball Park project.

Name: _____ Title: _____
(Print or Type)

Signature: _____ Date: _____

END OF SECTION 00301

Synthetic Turf System Installation

Evaluation Criteria-

Evaluation Criteria – 100 points maximum

All qualified bids will be evaluated by a Committee consisting of the Civil Engineer, Construction Manager and 3 City Staff Members, each with an equal vote.

Points will be awarded to bidders based upon their ability to meet the criteria listed below.

Points awarded must fall within the specified range for each category. No bonus points or negative awards will be given for any one category.

The recommendation for award will be based on a consideration of both price and bidder evaluation. The City of Joliet reserves the right to reject all bids. The final aggregate number for each bidder will be available upon request.

0-51 Points: Bid Price

The maximum number of 51 points will be awarded to the lowest qualified bidder.

Bidder points will be reduced by one (1) point for every \$10,000 over the lowest qualified bidder.

0-15 Points: Playability and Quality of Installation

Prior to bid award the Committee may conduct a field visit of at least one outdoor installation of each qualified bidder. This is a subjective evaluation and the fields evaluated need to meet the requirements of the evaluation criteria.

The installation for review must be located within a reasonable distance and must be located in a similar climate to that of the proposed installation.

Points will be awarded according to Committee evaluation.

Bidders who are unable to provide an acceptable outdoor installation for review will be awarded zero points (0) points.

0-10 Points: Outdoor Systems Installed of the Proposed System and Manufacturer References

Prior to bid award, the Committee will contact applicable project references provided by each qualified bidder. In order to be considered applicable, installations must meet the criteria identified in Section 321813.14- Artificial Grass Field Turf.

Upon review/ verification by the Committee, two (2) points will be awarded or for each installation determined to be acceptable.

0-5 Points: Outdoor Systems Installed of the Proposed System and Installer References

Prior to bid award, the Committee will contact applicable project references provided by each qualified bidder (Minimum of 15 references shall be provided). In order to be considered applicable, installations must meet the criteria identified in Section 321813.14- Artificial Grass Field Turf.

Upon review/ verification by the Committee, points will be awarded based on quality of references and installation determined to be acceptable by each reference.

0-7 Points: Exceptions/ Exclusions to the Bid Documents.

Submission of a Bid indicated compliance with and acceptance of the requirements outlined in the Bid Documents. Any exceptions or Points will be deducted depending on the nature of the exception/ exclusion.

0-6 Points: Warranty

The committee will review the Warranty provisions of watch qualified bidder. The baseline criteria for the Warranty are outlined in Section 321813.14- Artificial00301a Grass Field Turf.

Bidders who exhibit full compliance with the warranty provisions will receive a maximum of six (6) points

0-6 Points: Schedule

The desired project schedule is indicated in the Bid Documents. Bidders who exhibit full compliance with the Owner's desired project schedule will receive a maximum of eight (8) points.

Points will be reduced by two (2) for each week beyond the Owner's desired project schedule.

END OF SECTION 00301a

This contract is eligible for the local bidder preference ordinance.

If you have all read all of the documentation, filled out the form found online at

<http://www.cityofjoliet.info/departments/finance/purchasing/prequalification-process>, have been prequalified by the City of Joliet as a Local Bidder and wish to be qualified as a local bidder for this contract, please sign this sheet.

VENDOR NAME _____

VENDOR ADDRESS _____

CITY, STREET, ZIP _____

CONTACT PERSON _____

SIGNATURE _____

PHONE _____

EMAIL ADDRESS _____

Complete this form ONLY if you submitted the CITY OF JOLIET LOCATE BIDDER APPLICATION FORM from the above website AND have been approved as a local bidder.

Also, please note, there may be other prequalifications that apply to this contract, like Capital Development Board or City of Joliet Financial Prequalification. Please review what is due and note this does not take the place of any of those documents.

PART 1 - GENERAL

1.1 SUMMARY

- A. The Owner is: City of Joliet
- B. The Architect is: Wight & Company
2500 North Frontage Road
Darien, Illinois 60561
- C. The Construction Manager is: Wight Construction Services, Inc.
2500 North Frontage Road
Darien, Illinois 60561
- D. Section Includes:
 - 1. Project description.
 - 2. Contracts scope description.
 - 3. Applicable regulatory requirements.
 - 4. Permits and licenses.
 - 5. Access to the site.
 - 6. Contractor's use of the premises.
 - 7. Coordination requirements.
 - 8. Work sequence.
- E. Related Sections:
 - 1. Contract responsibilities and general requirements: Elsewhere in Division 1.
 - 2. Scope of Work for each trade is identified bid package scope document 00300.

1.2 PROJECT DESCRIPTION

- A. The Bid Group consists of completing scope as associated with the project identified as City of Joliet Minor League Baseball Park.
- B. The project location is: 1 Mayor Art Schultz Drive
Joliet, IL 60432
- C. The Group No. 1 Bid Package(s) work consists of:
Bid Package #04 – Concrete
- D. The work consists of:
 - 1. Access to site.
 - 2. Contractor's use of the premises.
 - 3. Coordination requirements.
 - 4. Coordination drawings.
- E. Sequencing:
 - 1. Refer to the attached Construction Schedule for construction sequences for this project.

1.3 PRIME CONTRACTS

- A. Each prime contract shall include the work described in:
 - 1. The agreement.
 - 2. The General Provisions.
 - 3. The Bid Form.
 - 4. Division 1 specification sections, except as specifically indicated to be the responsibility of a particular Contractor.

- B. Other sections which include descriptions of the scope of work of prime contracts are:
 - 0. Section 01010 – Summary of Work
 - 1. Section 01025 – Payment, Modification and Completion Procedures.
 - 2. Section 01200 – Progress Documentation and Procedures.
 - 3. Section 01250 – Construction Schedule.
 - 4. Section 01300 – Submittals.
 - 5. Section 01400 – Quality Control Procedures.
 - 6. Section 01510 – Temporary Utilities.
 - 7. Section 01600 – Product Requirements.
 - 8. Section 01630 – Product Options & Substitutions
 - 9. Section 01700 – Construction Procedures.
 - 10. Section 01800 – Project Record Documents.

- C. All Contractors' Duties:
 - 1. Owner is exempt from sales tax on products permanently incorporated in work.
 - 2. Obtain sales tax exemption certificate number from Owner.
 - 3. Place exemption certificate number on invoices for materials incorporated in work.
 - 4. All contractors shall provide Performance, Labor and Material Payment Bonds.
 - 5. Secure and pay for, as necessary for proper execution and completion of work, and as applicable at times of receipt of bids:
 - a. Permits: All permits required (except Building Permit).
 - b. Government fees.
 - c. Licenses.
 - 6. All contractors working on site must be licensed and bonded according to requirements of Will County.
 - 7. Contact inspecting agencies associated with contractor specific work to: a) schedule any and all required inspections, b) complete that work required for acceptance of contractor specific work by the jurisdictional inspecting agency, and c) submit all inspecting agency sign-off related documentation to Construction Manager.

1.4 DEFINITIONS

- A. Furnish: To supply products to the project site, including delivering ready for unloading and replacing damaged and rejected products.

- B. Install: To put products in place in the work ready for the intended use, including unloading, unpacking, handling, storing, assembling, installing, erecting, placing, applying, anchoring, working, finishing, curing, protecting, cleaning, and similar operations.

- C. Provide: To furnish and install products.

- D. Indicated: Shown, noted, scheduled, specified, or drawn, somewhere in the contract documents.

- C. Authorities
 - 1. City of Joliet.
- D. Other regulations may also be applicable.
- E. Obtain copies of the regulations listed above and keep at the project site for the use of all parties.
- F. Submit copies of all permits, licenses, and similar permissions obtained, and receipts for fees paid, to the Construction Manager directly.

1.5 ACCESS TO THE SITE AND USE OF THE PREMISES

- A. The space available to the Contractor for the performance of the work, either exclusively or in conjunction with others performing other construction as part of the project, is the areas of construction.
- B. **Other areas are off limits to all construction personnel unless permission is granted by the Owner and Construction Manager.**
- C. Access to site will be restricted as required by the Construction Manager.
- D. The following existing facilities may be used by construction personnel:
 - 2. NONE
- E. The Owner will continue to occupy the existing building adjacent to the areas where construction is to occur.
 - 2. Conduct the work so as to cause the least interference with the Owner's operations.
 - 2. Limited storage areas will be available at the project site.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

3.1 COORDINATION WITH OCCUPANTS / VILLAGE

- A. Occupied areas include all areas in which the Owner's regular operations will be going on or to which the Owner requires access during the construction period, whether conducted by the Owner or his customers, clientele, or the public.
- B. Perform all work on weekdays, between 7:00 a.m. and 4:00 p.m., except as otherwise indicated on the drawings, elsewhere in the specifications and or as restricted by local ordinance. Activities which will require temporary shut down of necessary utilities must be scheduled for non-operating hours, and must be scheduled to cause no interruption to City of Joliet.
- C. Separate occupied areas from construction areas with dust-proof partitions.
 - 2. Where it is absolutely necessary to conduct construction operations in occupied areas, obtain the Owner's approval of the time period, the areas to be used, and the means of separating the work from the occupants.
- D. Limit access through occupied areas to those days and times which the Construction Manager and Owner approves.

- E. Provide separate access from the exterior to the construction areas, without passing through occupied areas.
- F. When the following must be modified, provide alternate facilities acceptable to the Construction Manager:
 - 2. Emergency means of egress.
 - 3. Entrances which must remain open.
 - 4. Utilities which must remain in operation.
 - 5. Informational signage.

3.2 SECURITY PROCEDURES

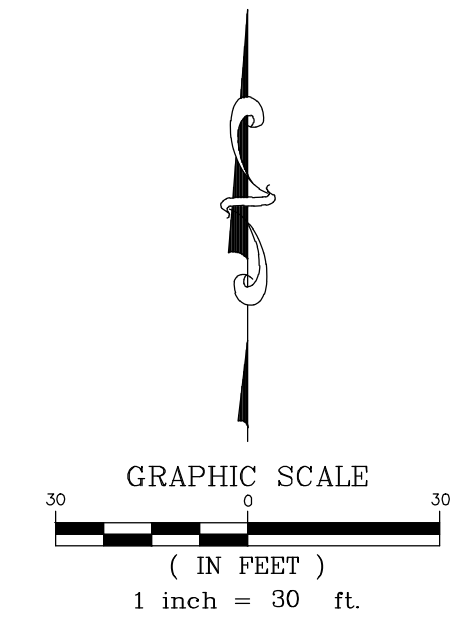
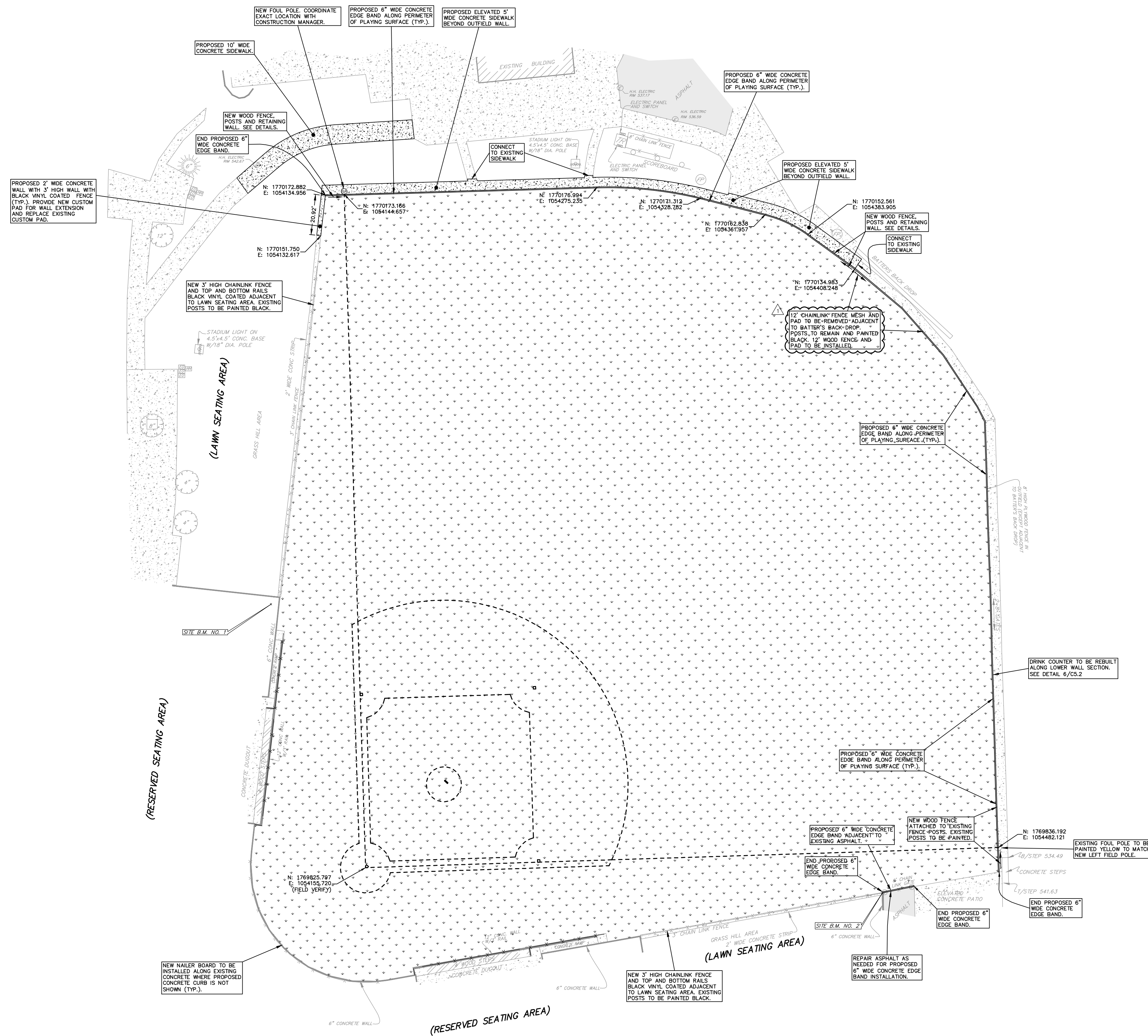
- A. Limit access to the site to persons involved in the work.
- B. Provide secure storage for materials for which the Owner has made payment and which are stored on site.
- C. Secure completed work as required to prevent loss.
- D. Contractor personnel will be required to check in through the Construction Manager's office each day.

3.3 COORDINATION

- A. Each prime Contractor shall coordinate his activities with the activities of other Contractors.
- B. If necessary, inform each party involved, in writing, of procedures required for coordination; include requirements for giving notice, submitting reports, and attending meetings.
 - 1. Inform the Owner when coordination of his work is required.
- C. See other requirements in other portions of the contract documents.

END SECTION 01010

Wight © Copyright 2017 All rights reserved. No part of these documents may be reproduced, stored, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written consent of Wight.



- EQUIPMENT PROVIDED:**
- 1 - PORTABLE PITCHING MOUND
 - 4 - PORTABLE BULLPEN MOUNDS
 - 1 - SET OF BASES, ANCHORS & PLUGS
 - 1 - HOME PLATE WITH ANCHOR & PLUG
 - 4 - TURF HOME PLATES
 - 1 - SET TURF BASES & RUBBER

Wight

Wight & Company
 wightco.com
 2500 North Frontage Road
 Darien, IL 60561
 P 630.969.7000
 F 630.969.7979

RT & A

Ruettiger, Tonelli & Associates, Inc.
 Surveyors • Planners • Landscape Architects • GIS Consultants
 129 CAPISTA DRIVE - SHOREWOOD, ILLINOIS 60404
 PH. (815) 744-6600 FAX (815) 744-0101
 website: www.ruettigertonnelli.com
 LATEST R.T. & A. REVISION: 6-24-2017
 FIELD BOOK & PAGE: 7-198 & 1-4

ADDENDUM #1	8-24-17	
ISSUED FOR BID	8-15-17	
100% BID DOCUMENTS	7-31-17	
90% DESIGN DEVELOPMENT	7-14-17	
REV	DESCRIPTION	DATE

JOLIET MINOR LEAGUE BASEBALL PARK

1 MAYOR ART SCHULTZ DRIVE
 JOLIET, IL 60432

PROPOSED SITE GEOMETRY PLAN

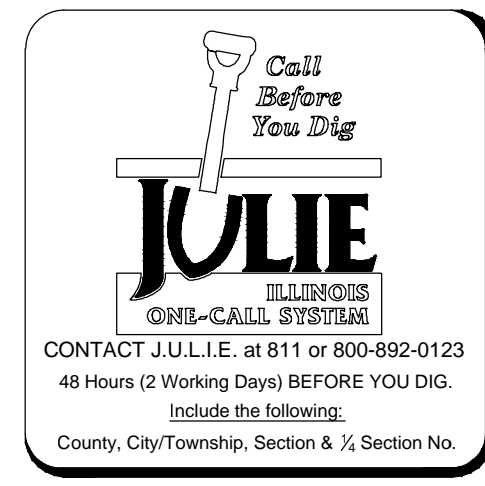
Project Number:
 01-5302-02
 Drawn By: R.P. © R.T.&A.
 Sheet:

PROJECT BENCHMARK:
 SOUTHWEST CORNER THAT ARROW POINTS TO ON FIRE HYDRANT ON NORTH SIDE OF VAN BUREN AND EAST OF POWER ALLEY.
 ELEVATION = 534.05

SITE BENCHMARK NO. 1:
 CUT CROSS IN CONCRETE SEATING AREA, NORTH OF THIRD BASE DUGOUT AT GRASS HILL AREA. (AS SHOWN)
 ELEVATION = 531.35

SITE BENCHMARK NO. 2:
 CUT CROSS IN CONCRETE WALL AT EAST END OF GRASS HILL AREA AND ASPHALT PATH WITH GATE OFF OF THE RIGHT FIELD LINE. (AS SHOWN)
 ELEVATION = 534.73

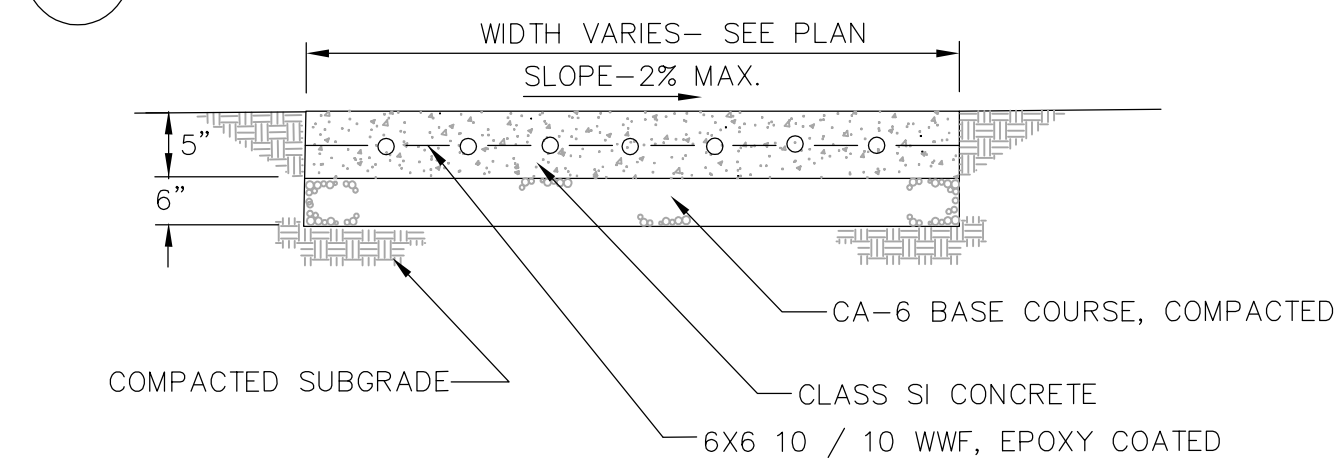
R.T. & A. Dwg. No.: 317-0495-C1



C3.0

N:\Projects\2017\20170805\Engineering\Plan Set\C1 - Site Improvement\02017 - Proposed Site Geometry Plan 01.dwg - 10/24/2017 12:28:26 AM - rmp/ah

1 PCC SIDEWALK SECTION

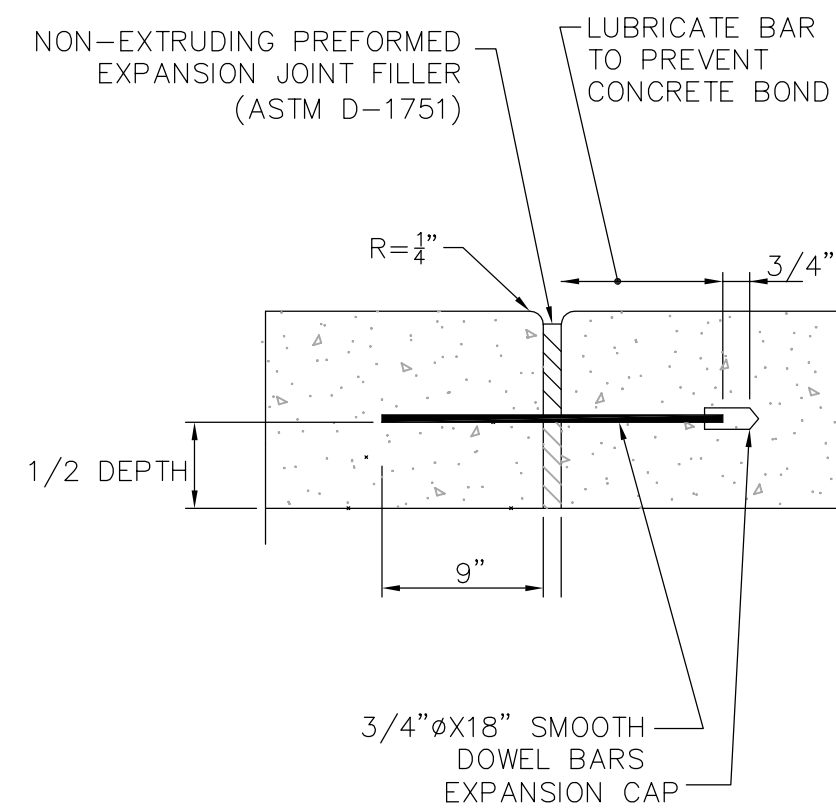


- NOTES:**
- ALL SIDEWALKS SHALL BE CONSTRUCTED WITH IDOT CLASS SI CONCRETE, NOT LESS THAN 3500 P.S.I. CONCRETE AT 14 DAYS.
 - SIDEWALK THICKNESS ACROSS DRIVEWAY SHALL BE A MINIMUM 8".
 - REFER TO EXPANSION JOINT DETAIL
 - THE TRANSVERSE JOINTS SHALL EXTEND TO 1/4 THE DEPTH OF THE SIDEWALK, SHALL NOT BE MORE THAN 1/4" IN WIDTH, AND SHALL BE EDGED HAVING A 1/4 INCH RADIUS. NO SLAB SHALL BE LONGER THAN 6 FEET NOR LESS THAN 4 FEET ON ANY ONE SIDE.

ALL STEEL REINFORCEMENT TO BE EPOXY COATED

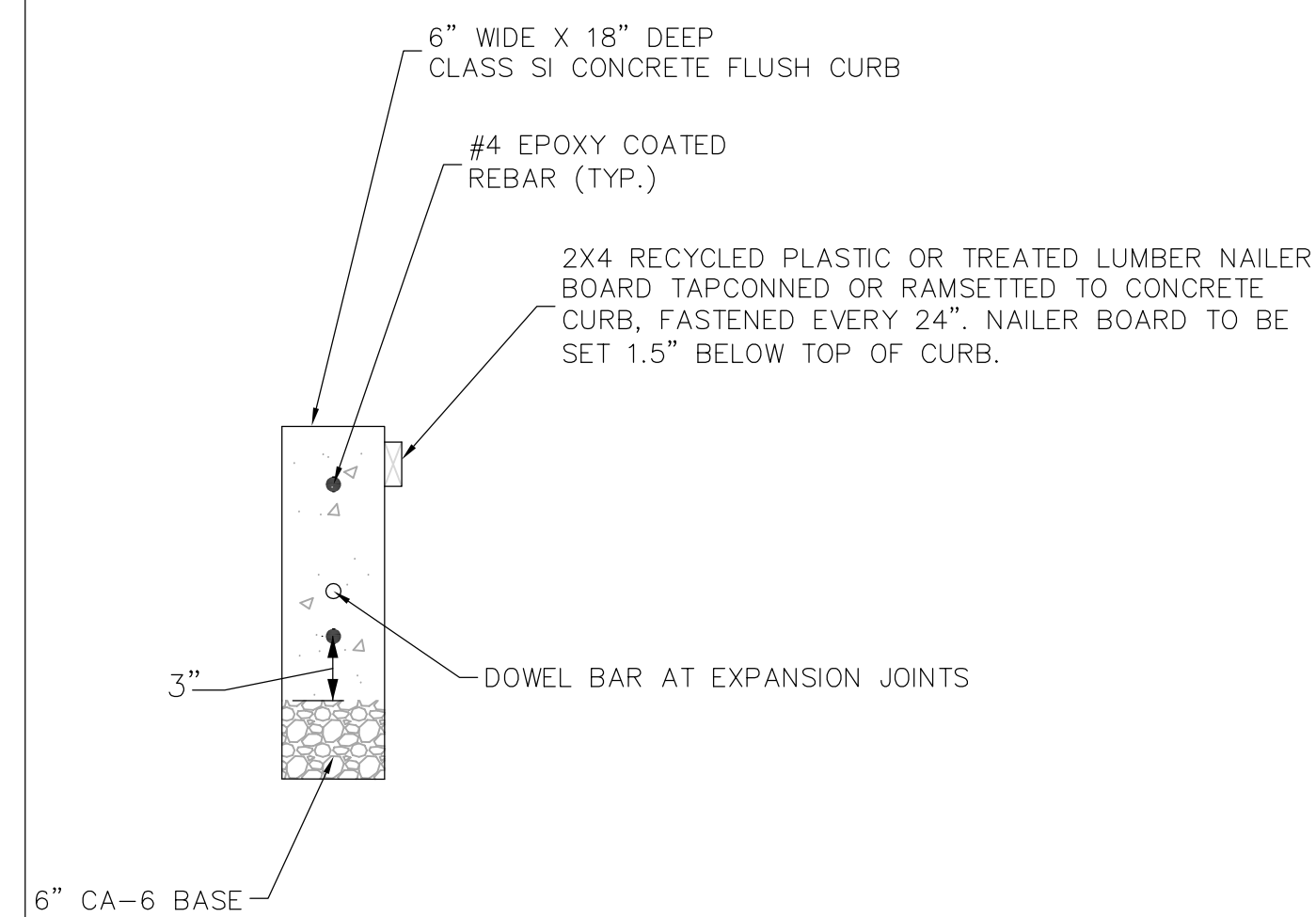
THIS DETAIL IS TO BE USED FOR ALL SIDEWALK THAT IS NOT ADJACENT TO FENCE AND WALL

2 EXPANSION JOINT DETAIL



- NOTES:**
- PREFORMED FLEXIBLE FOAM EXPANSION JOINT FILLER NOT ACCEPTED.
 - EACH EXPANSION JOINT SHALL HAVE (2) 3/4" DOWEL BARS, 18" LONG AND PROPERLY LUBRICATED, PLACED AT MID DEPTH.
 - EXPANSION JOINTS 3/4" THICK SHALL BE WHERE PROPOSED CONCRETE MEETS EXISTING CONCRETE, AT 50 FT INTERVALS FOR HAND POURS AND 100 FT INTERVALS FOR SLIP OR MONOLITHIC POURS.
 - EXPANSION JOINTS, 1/2" THICK SHALL BE AT EVERY P.C. & P.T. OF CURVATURE, 5 FT EACH SIDE OF STRUCTURES, AND AT END OF POURS.
 - PREFORMED EXPANSION JOINT 1/2" THICK SHALL BE PLACED BETWEEN THE SIDEWALK AND ALL STRUCTURES
 - EXPANSION JOINTS SHALL ALSO BE PLACED WHERE THE SIDEWALK ABUTS EXISTING SIDEWALKS AND WHERE THE SIDEWALK ABUTS A CURB

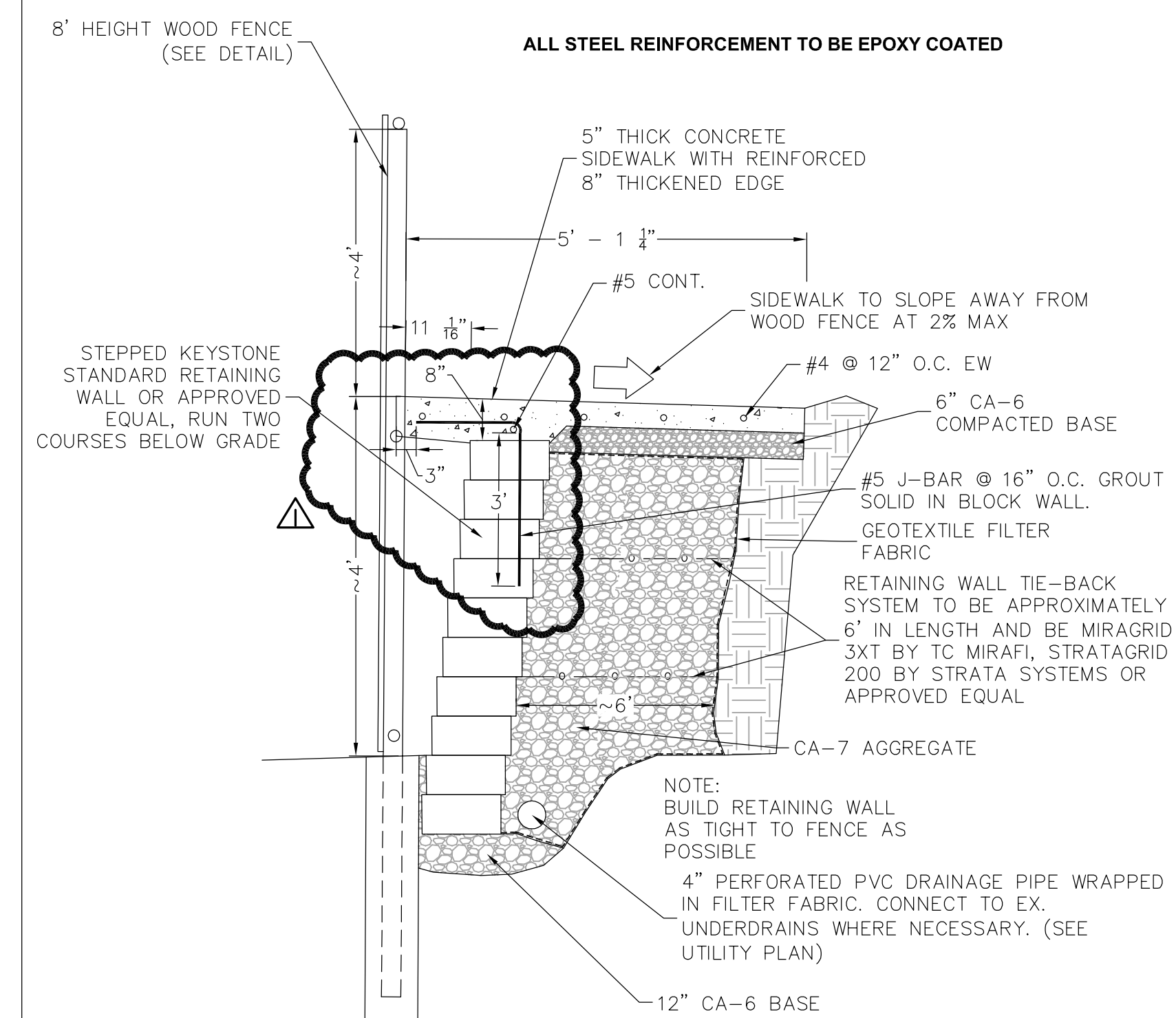
3 FLUSH CURB DETAIL



- CURB NOTES**
- CONSTRUCTION CONTRACTION JOINTS AT 20' MAXIMUM SPACING.
 - CONSTRUCTION EXPANSION JOINTS AND CONTRACTION JOINTS ACCORDING TO IDOT STANDARD SPECIFICATIONS, LATEST EDITION.
 - EXPANSION JOINTS SHALL BE PROVIDED AT POINTS OF CURVATURE ON ALL CURVES.

ALL STEEL REINFORCEMENT TO BE EPOXY COATED

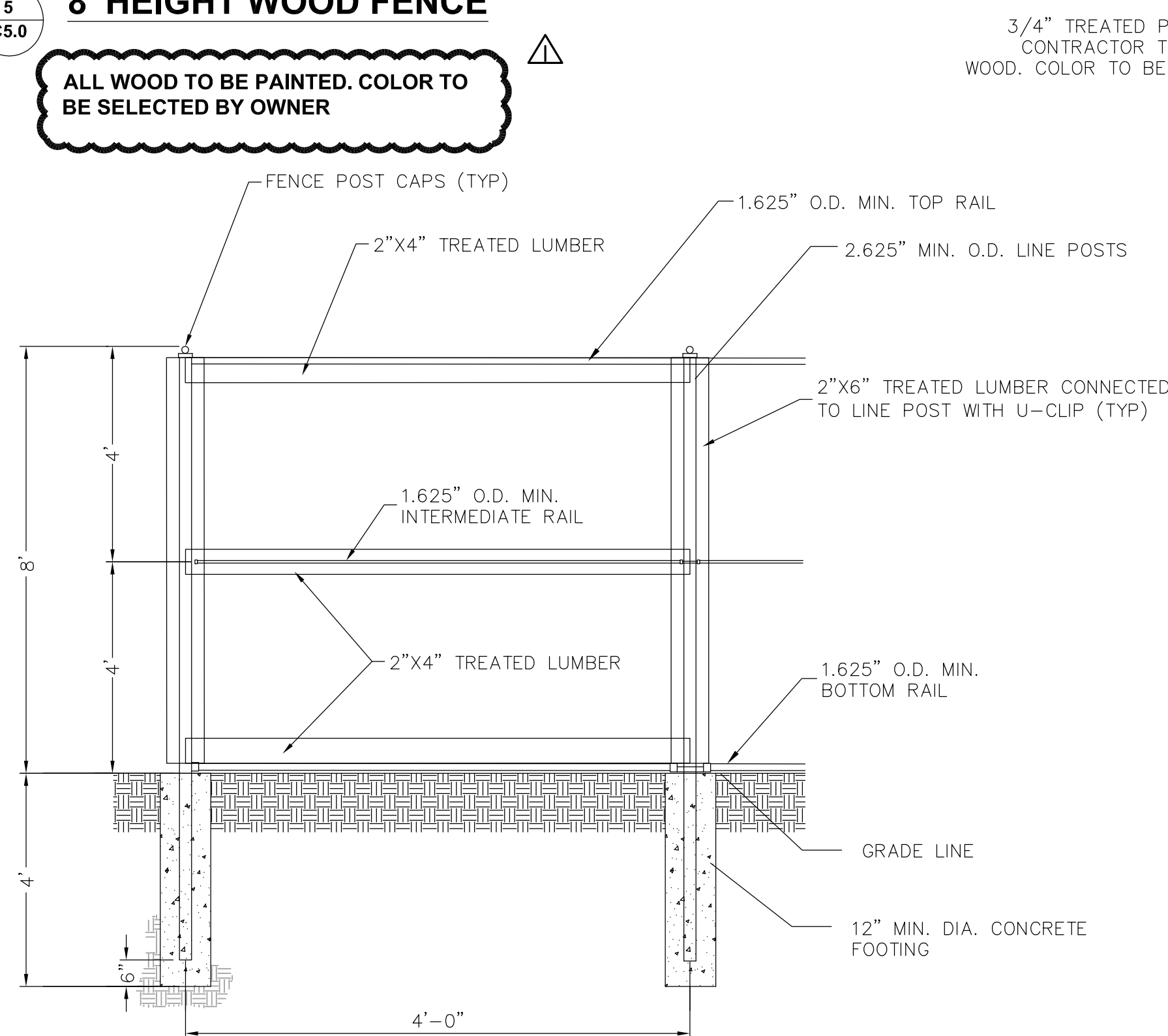
4 FENCE AND WALL SECTION



- CONTRACTOR TO INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- CONTRACTOR TO HAVE STRUCTURAL ENGINEER PROVIDE FINAL DESIGN FOR RETAINING WALL AND TIE BACK SYSTEM. PROVIDE SIGNED AND SEALED SHOP DRAWINGS BY IL SE. BID TO INCLUDE STRUCTURAL DESIGN REQUIREMENTS AND INCLUDE MORE STRINGENT DESIGN STANDARD THAN ABOVE AS NECESSARY

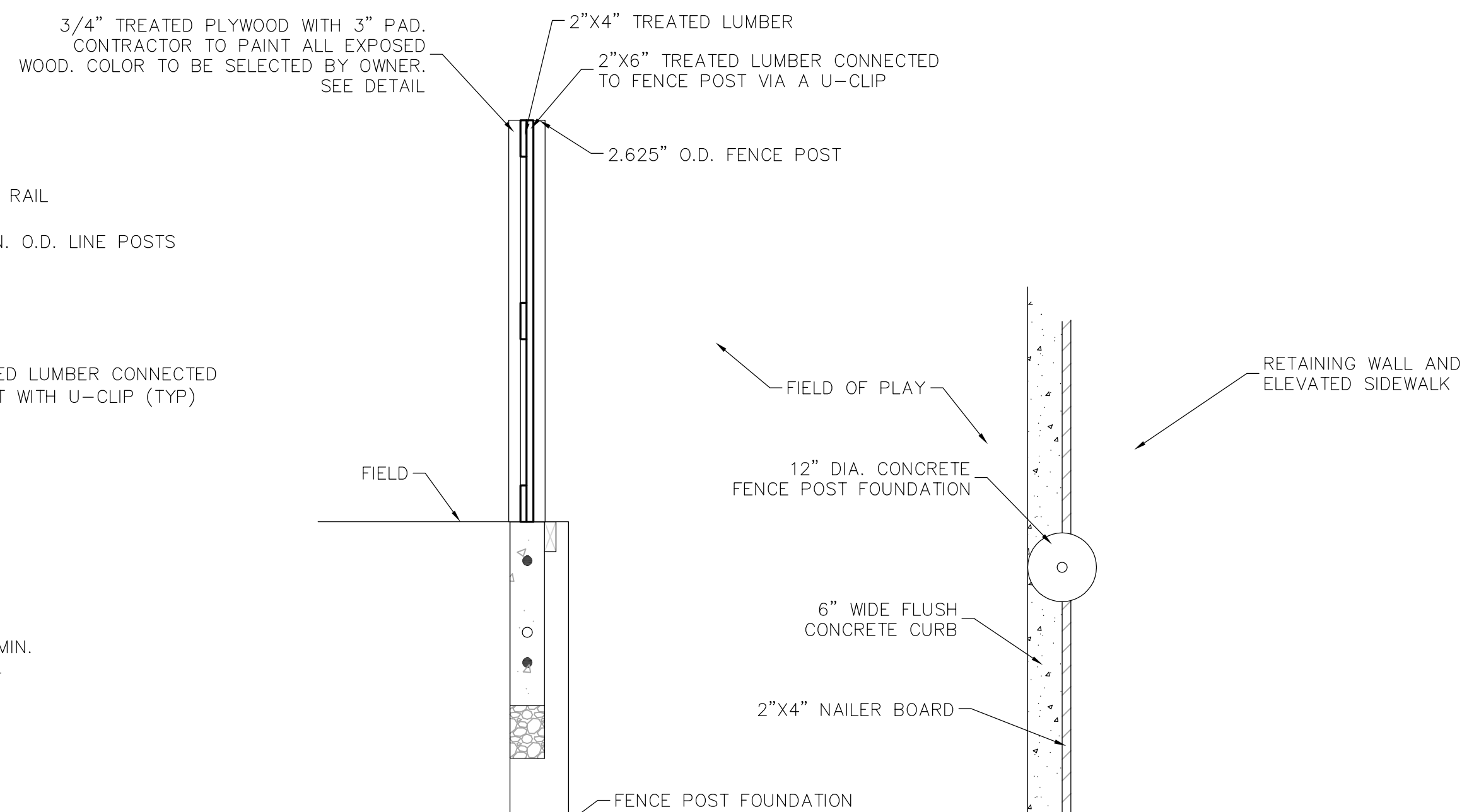
5 8' HEIGHT WOOD FENCE

ALL WOOD TO BE PAINTED. COLOR TO BE SELECTED BY OWNER

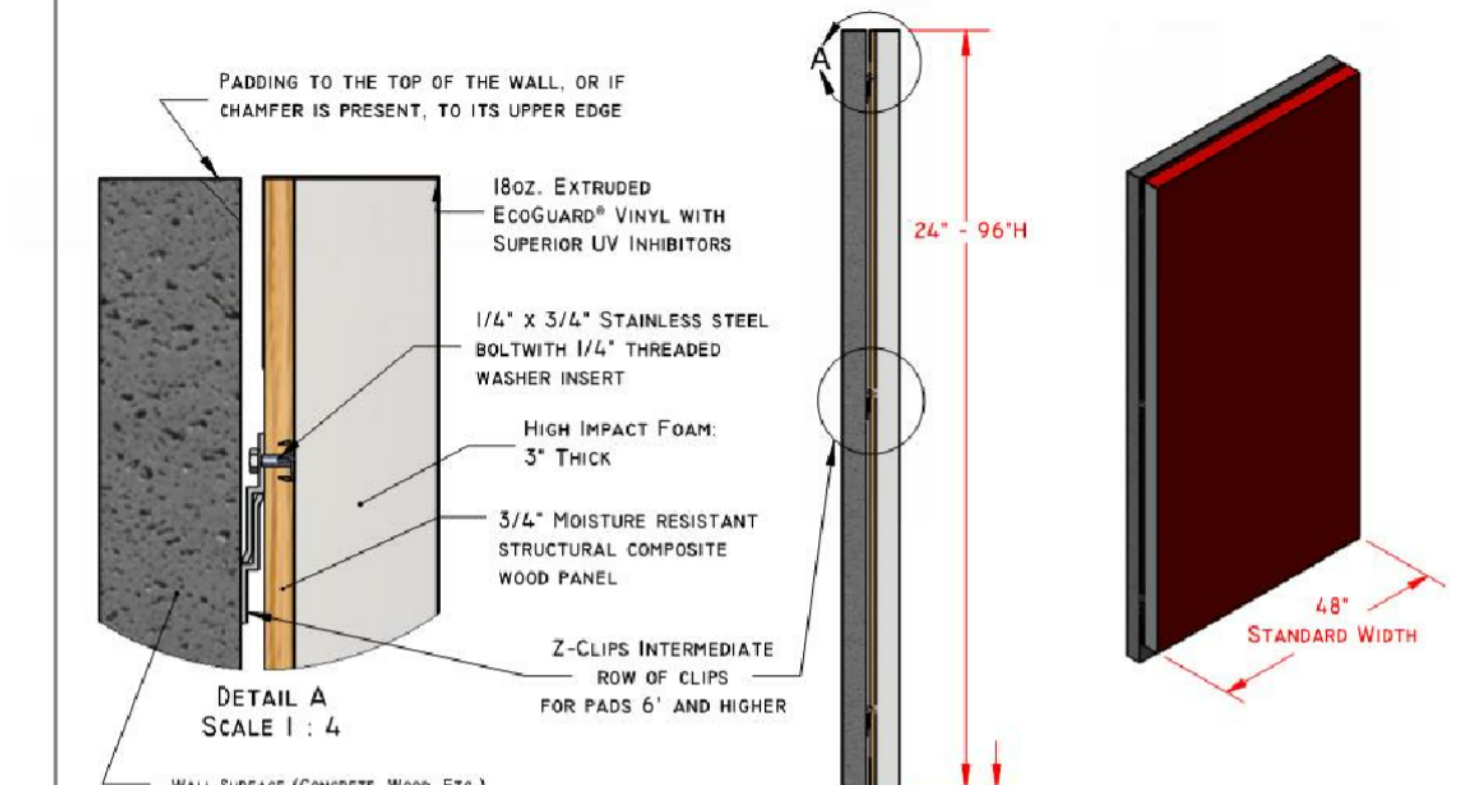


- NOTES:**
- ALL FENCE POST & COMPONENTS TO BE SS40 HIGH STRENGTH FENCE FRAMEWORK

EXISTING FENCE POSTS THAT ARE DAMAGED ARE TO BE REMOVED AND REPLACED AS NECESSARY BY CONTRACTOR



PROMATS Athletics
 www.promatsathletics.com
 PO BOX 2489
 SALISBURY, NC 28145
 Toll Free: 800-617-7125
 Fax: 704-603-4138

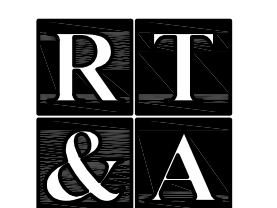


SPECIFICATIONS:
 EXTERIOR USE
 APPLICATION: MASONRY OR WOOD WALLS
 BACKING: 3/4" MOISTURE RESISTANT STRUCTURAL COMPOSITE WOOD PANEL, PRIMED ON EDGES AND BACKSIDE. EXPOSED WOOD SURFACE IS PAINTED TO MATCH VINYL COLOR WHEN EXPOSED TO VIEW.
 VINYL COVERING: 180Z PER SQ. YARD EXTRUDED ECOGUARD® VINYL; MANUFACTURING USING 33% REPROCESSED VINYL. FABRIC: 1000 DENIER POLYESTER FABRIC. TEAR STRENGTH TEST: WARP 78LBS., FILL 65LBS., TENSILE STRENGTH: WARP 224LBS., FILL 220LBS. WEFT INSERTION: 9 x 9. SUPERIOR UV INHIBITORS. COLD CRACK: MINUS 50 DEGREES FAHRENHEIT. COLORS PER MANUFACTURER'S STANDARD SELECTION, AS SELECTED BY ARCHITECT. VINYL COVER IS STITCHED USING 6LB. BONDED POLYESTER THREAD. COLOR: BLACK. VINYL COVER IS WRAPPED AROUND THE BACKSIDE OF THE COMPOSITE WOOD PANEL AND STAPLED EVERY 3" WITH STAINLESS STEEL STAPLES. EACH PAD HAS 3 WEEP HOLES TO EVACUATE MOISTURE.
 FILLER FOAM: 3" THICK HIGH IMPACT FOAM. FILLER FOAM IS GLUED TO COMPOSITE WOOD PANEL.
 ADHESIVE: WATER BASE, HIGH FLEXIBILITY FACTOR, WATER RESISTANT, HEAT & COLD RESISTANT, HIGH BONDING FACTOR.
 ATTACHMENT: ALUMINUM EXTRUSION, 2.5" X .125" THICKNESS, MOUNTED TO PANEL USING 1/4" X 3/4" STAINLESS BOLTS SCREWED INTO 1/4" THREADED WASHER INSERTS.
 WARRANTY: 1 YEAR LIMITED.

STANDARD PART NUMBERS:
 BFWPZ (FWPZHXX) - BASEZONE® WALL PAD WITHOUT DELTA F®
 BFWPDFZ (DFWPZHXX) - BASEZONE® WALL PAD WITH DELTA F®
BASEZONE® STADIUM PADDING
Z-CLIP WOOD BACKED FIELD WALL PAD
 NOT TO SCALE PROMATS® ATHLETICS 09/42015

Wight

Wight & Company
 wightco.com
 2500 North Frontage Road
 Darien, IL 60561
 P 630.969.7000
 F 630.969.7979



Ruettiger, Tonelli & Associates, Inc.
 Surveyors • Engineers • Planners • Landscape Architects • GIS Consultants
 129 CAPISTA DRIVE • SHOREWOOD, ILLINOIS 60494
 PH. (815) 744-6600 FAX (815) 744-0101
 website: www.ruettiger-tonelli.com
 LATEST R.T. & A. REVISION: 7-31-2017
 FIELD BOOK & PAGE: 7-119 p. 14

ADDENDUM #1	8-24-17
ISSUED FOR BID	8-15-17
100% BID DOCUMENTS	7-31-17
90% DESIGN DEVELOPMENT	7-14-17
REV. DESCRIPTION	DATE

JOLIET MINOR LEAGUE BASEBALL PARK

1 MAYOR ART SCHULTZ DRIVE
 JOLIET, IL 60432

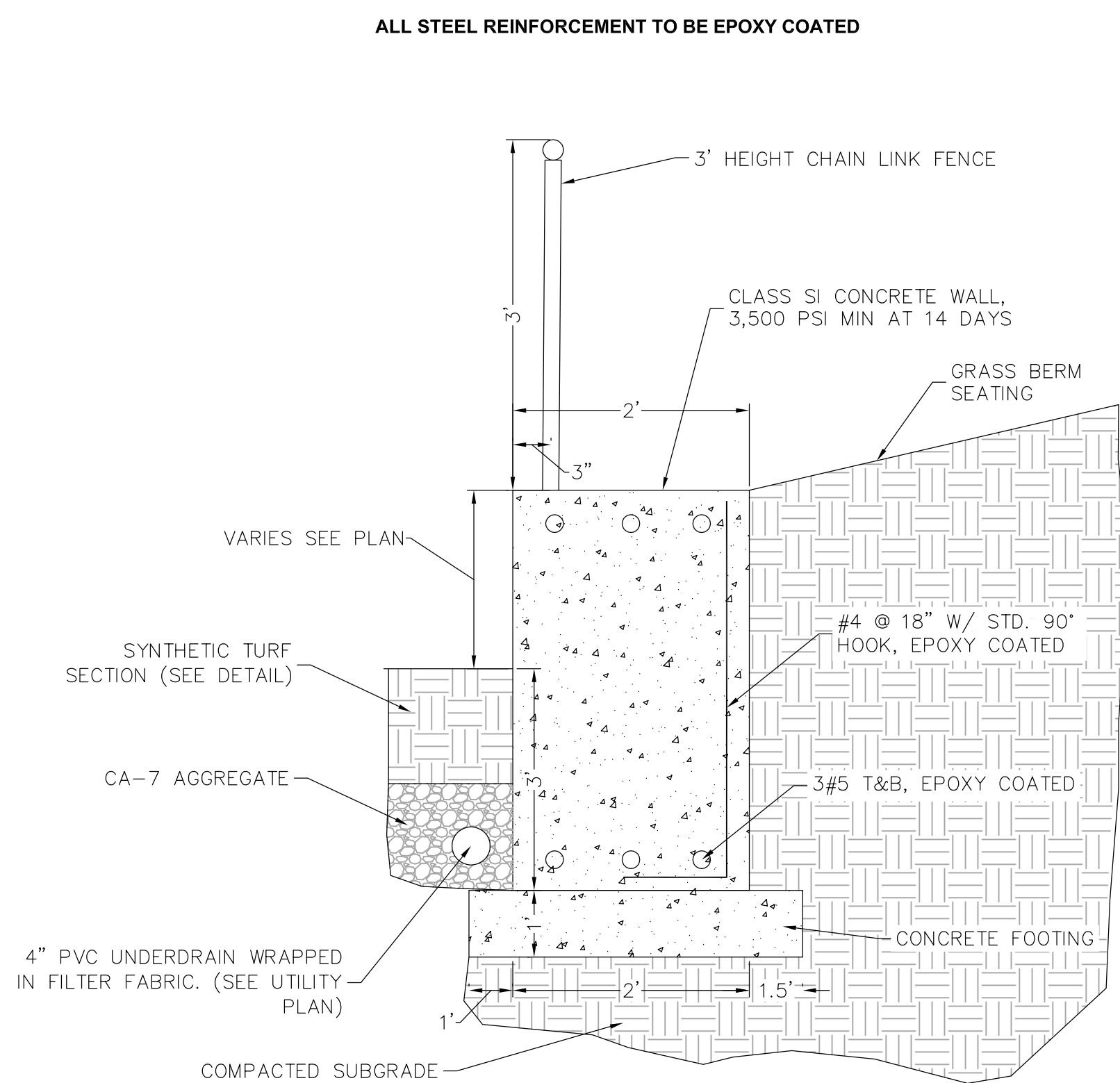
CONSTRUCTION DETAILS

Project Number:
 01-5302-02
 Drawn By: DE @ WIGHT
 DE
 Sheet:

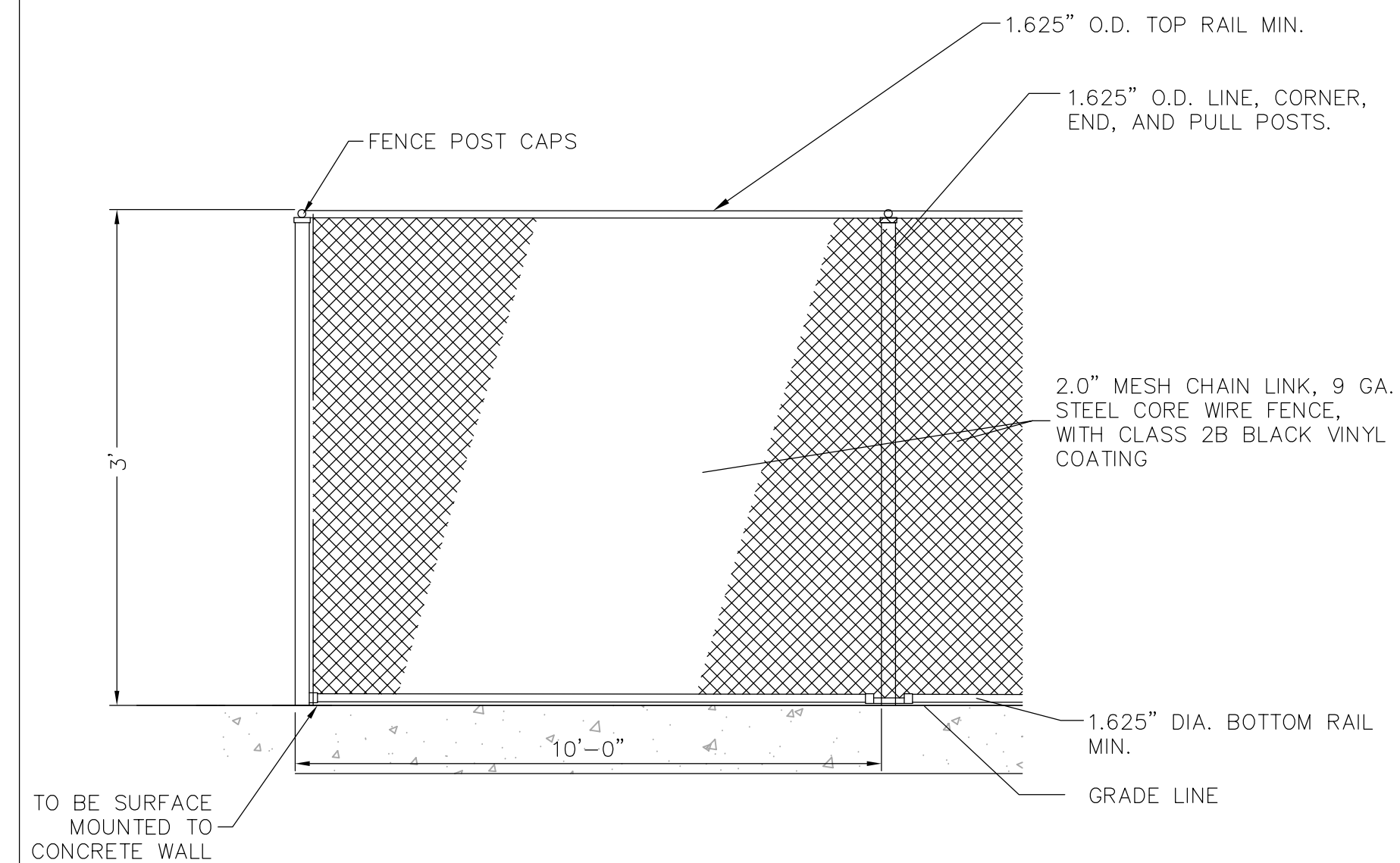
C5.0

Wight © Copyright 2017 All rights reserved. No part of these documents may be reproduced, stored, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written consent of Wight.

1 CONCRETE RETAINING WALL WITH FENCE DETAIL

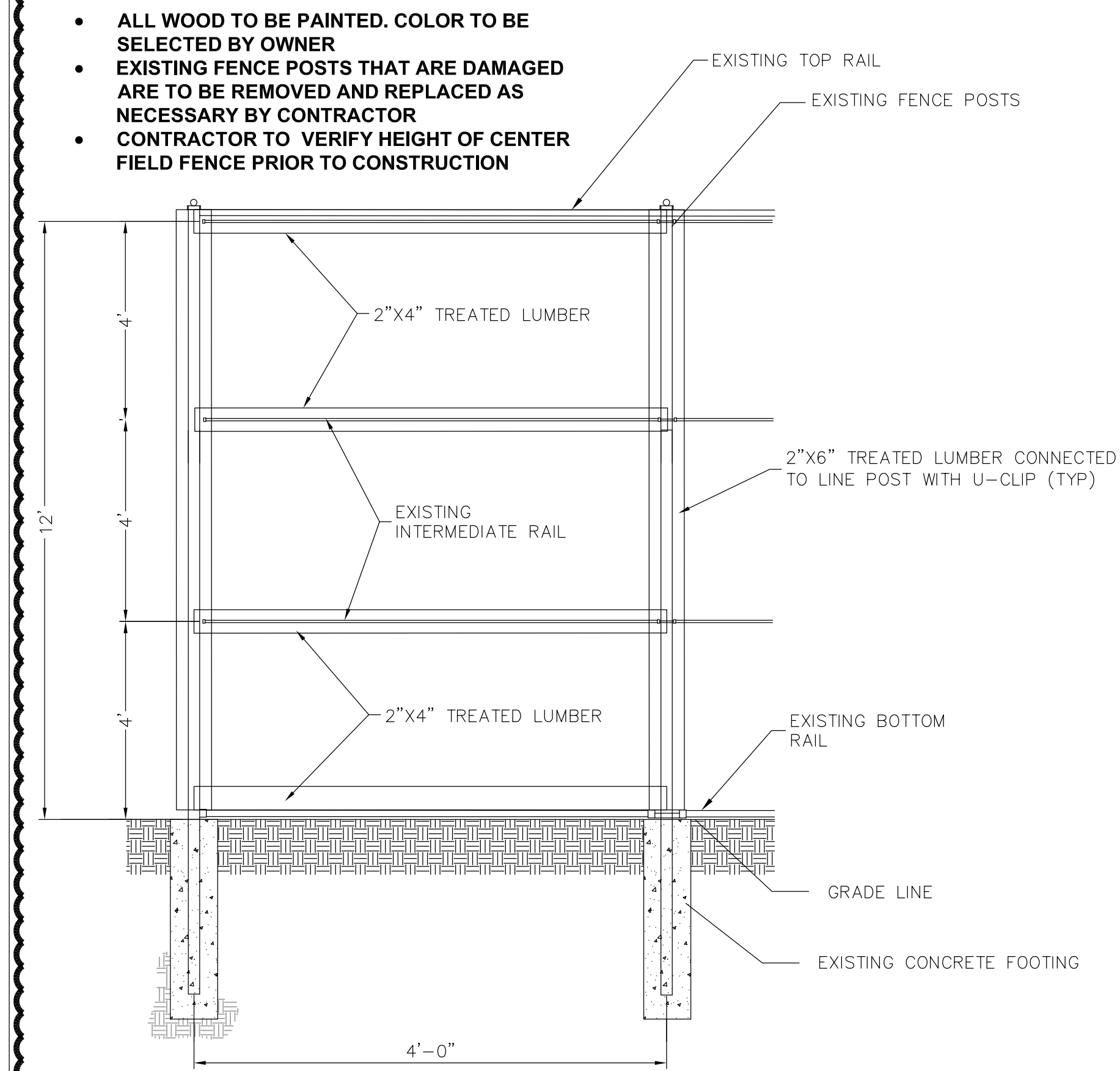


2 3' HEIGHT CHAIN LINK FENCE DETAIL

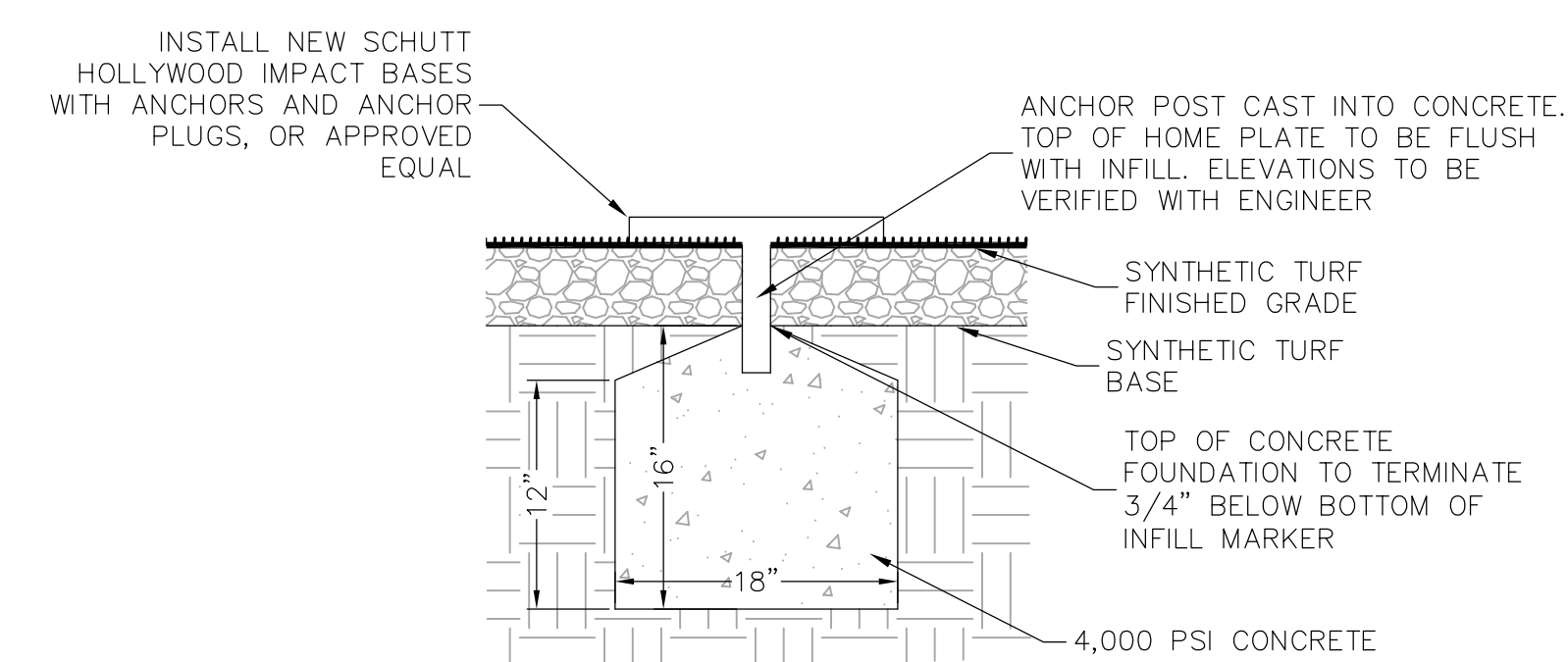


- NOTES:
- ALL FENCE POST & COMPONENTS TO BE SS40 HIGH STRENGTH FENCE FRAMEWORK
 - ALL EXISTING POSTS ARE TO BE PAINTED BLACK. CONTRACTOR TO REPAIR AND REPLACE DAMAGED POSTS AS NECESSARY

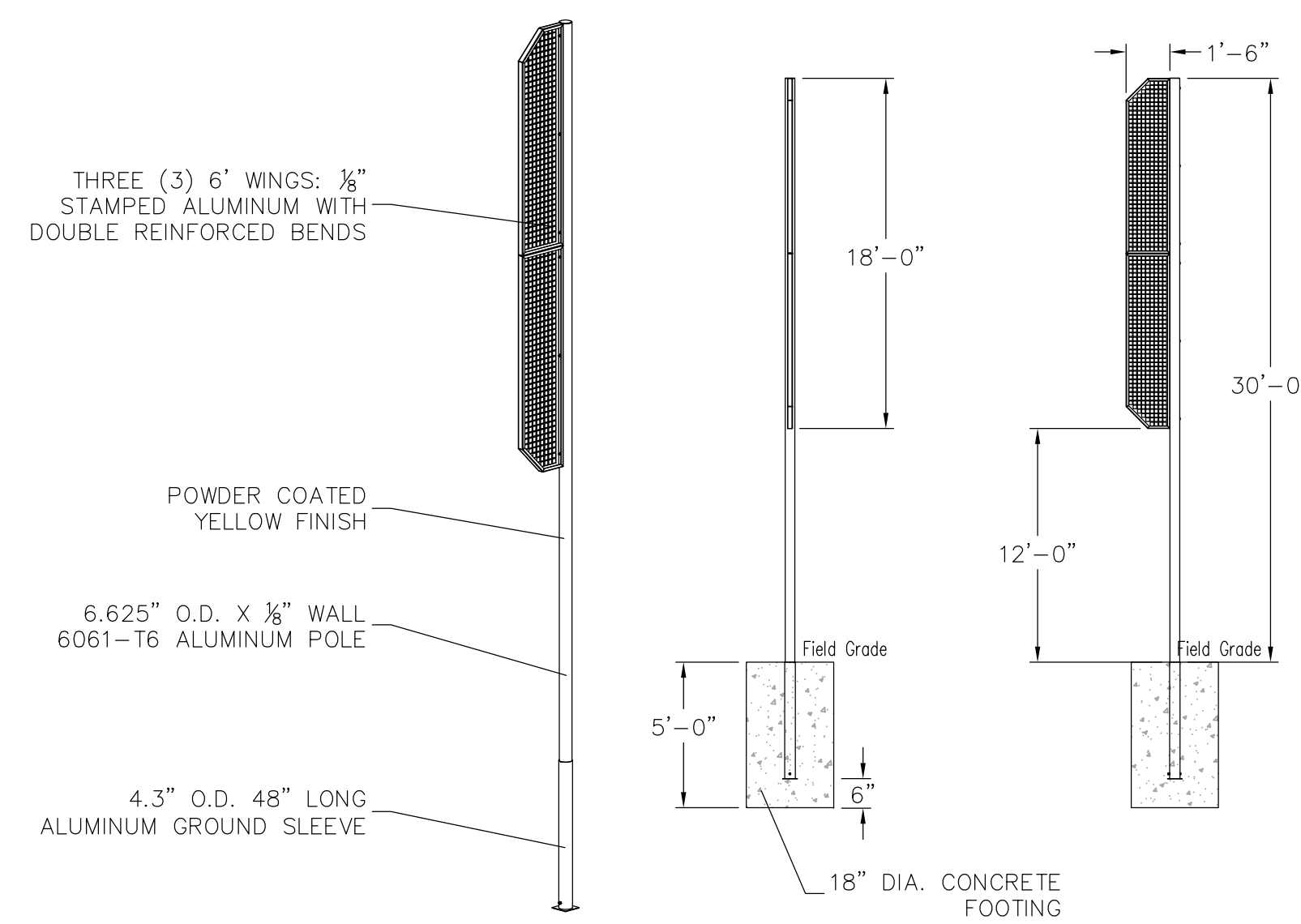
3 12' HEIGHT WOOD FENCE



4 BASE ANCHOR POST FOUNDATION



5 FOUL POLE



FOUL POLE TO BE MODEL LGFPW630 BY SPORTSFIELD SPECIALTIES OR APPROVED EQUAL. CONTRACTOR TO MATCH EXISTING FOUL POLE ON SITE

PROPRIETARY AND CONFIDENTIAL

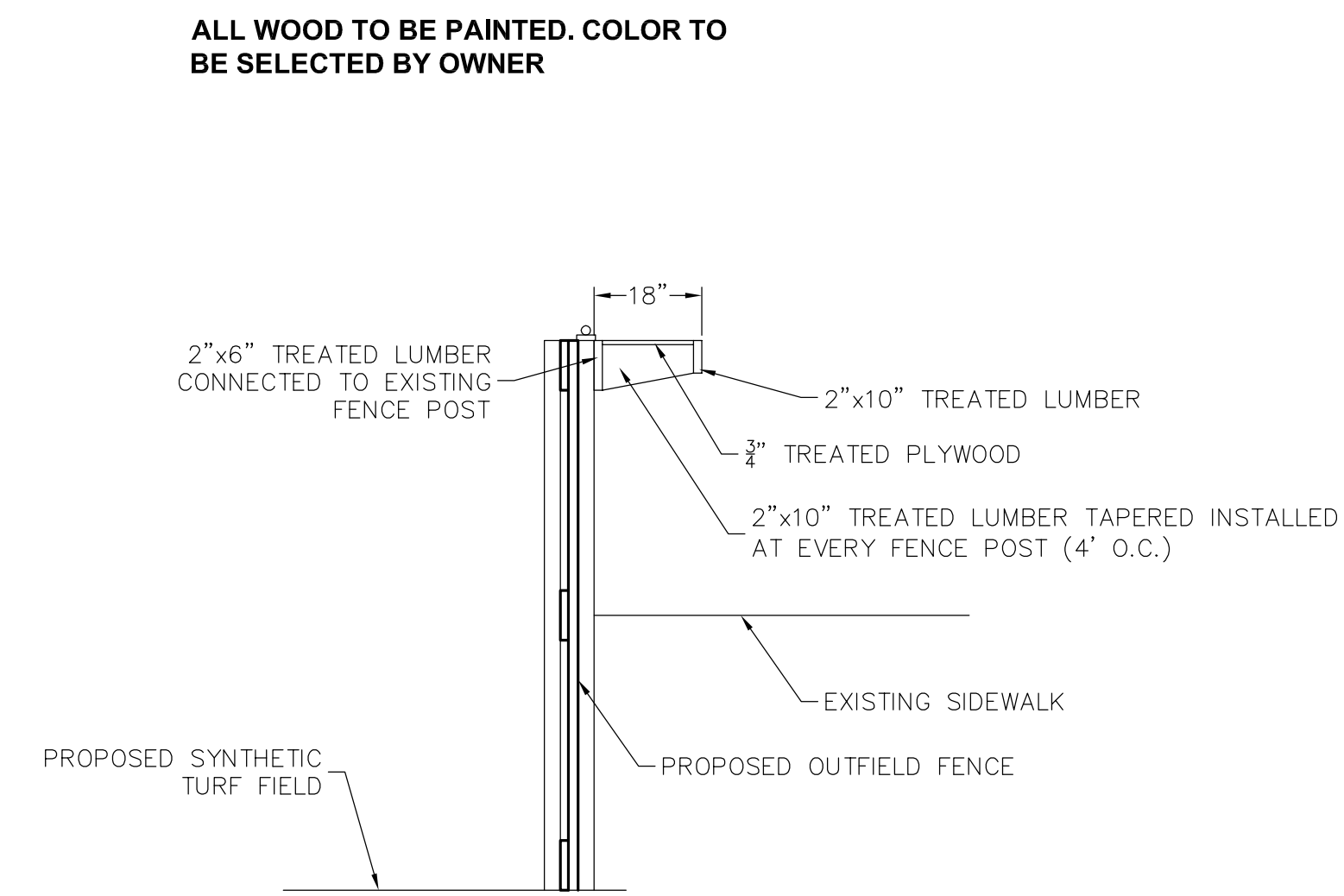
SPORTSFIELD SPECIALTIES

TITLE: 30' Alum. Foul Pole with Wing

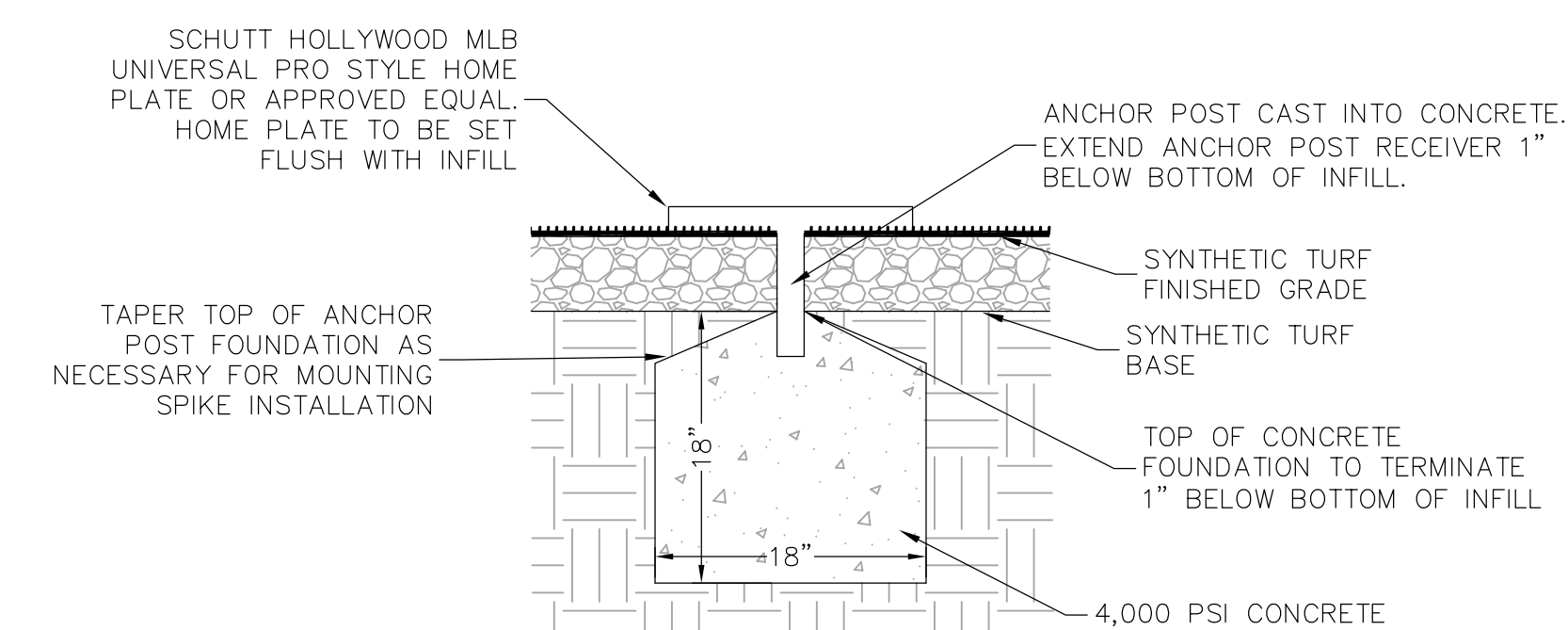
LGFPW630-CAD

DATE: Thursday, August 07, 2014 8:56:17 AM

6 DRINK COUNTER

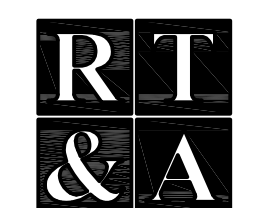


5 HOME PLATE ANCHOR POST FOUNDATION



Wight

Wight & Company
wightco.com
2500 North Frontage Road
Darien, IL 60561
P 630.969.7000
F 630.969.7979



Ruettiger, Tonelli & Associates, Inc.
Surveyors • Engineers • Planners • Landscape Architects • GIS Consultants
129 CAPITOLA DRIVE • SHOREWOOD, ILLINOIS 60404
PH. (815) 744-6600 FAX (815) 744-0101
website: www.ruettigertonnelli.com
LATEST R.T. & A. REVISION: 7-31-2017
FIELD BOOK & PAGE: 7-119 p. 14

ADDENDUM #	8-24-17	
ISSUED FOR BID	8-15-17	
100% BID DOCUMENTS	7-31-17	
90% DESIGN DEVELOPMENT	7-14-17	
REV	DESCRIPTION	DATE

JOLIET MINOR LEAGUE BASEBALL PARK

1 MAYOR ART SCHULTZ DRIVE
JOLIET, IL 60432

CONSTRUCTION DETAILS

Project Number: 01-5302-02
Drawn By: DE @ WIGHT
DE
Sheet:

C5.2

Wight © Copyright 2017. All rights reserved. No part of these documents may be reproduced, stored, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written consent of Wight.

SECTION 329200 – LAWNS AND GRASSES

PART 1 - GENERAL

1.01 DESCRIPTION

- A. The work includes furnishing and placing black earth (topsoil), fertilizer, seed and/or sod as stated in the project specifications, and performing all operations in connection with seeding and sodding, all complete and subject to the terms and conditions of the contract.

1.02 RELATED SECTIONS

- A. Section 329100 – Soil and Landscape Bed Preparation, Landscape Excavation and Backfill
- B. Section 329300 – Woody and Herbaceous Plant Installation

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Topsoil – See Section 329100 – Soil and Landscape Bed Preparation, Landscape Excavation and Backfill.
- B. Fertilizer
1. Commercial Fertilizer shall be delivered to the site in unopened, original containers, each bearing name and address of the manufacturer, name brand or trademark and manufacturer's guaranteed analysis.
 2. Any fertilizer which becomes caked or otherwise damaged, making it unsuitable for use, will not be accepted.
 3. The fertilizer formula shall contain a minimum basis percentage by weight of the following:
Nitrogen, 33% insoluble in water 24%
Phosphoric Acid 4%
Potash 8%
 4. The balance of the fertilizer shall be made up of materials usually present in such a product, and shall contain IBDU (Isobutylidene Urea).
 5. Fertilizer shall be of the inorganic type in composition, dry and free flowing, equal to "PAREX" IBDU. Not more than 2% shall be retained on a 14-mesh sieve and not more than 25% shall pass thru a 65-mesh sieve. It shall be free from dust, sticks, sand, stone and other debris.
- C. Permanent Grass Seed
1. Grass Seed shall be re-cleaned seed of seed crop from the year stipulated in the project specification. All seed shall meet the requirements established by the State and Federal Seed and Weed Control Laws, covering law on "Agricultural Seed."

Bid Group

2. Packing and Marking: All seed shall be delivered in sacks unmixed. Seeds shall be packed for delivery in suitable bags in accordance with standard commercial practice. Each bag shall be tagged or labeled as required by the law of the State of Illinois. The vendor's name shall show on or be attached to each bag , together with a statement signed by the vendor, showing:
 - a. The kind of seed contained;
 - b. The percentage of purity and germination;
 - c. The percentage of hard seed, if any;
 - d. A statement conforming to the laws of the State of Illinois as hereinbefore mentioned, showing percentage of weed seeds if any.
3. Grass Seed Mixes: The seed shall be mixed thoroughly in the following proportions, by weight. Where specified varieties are not available, alternative varieties must be approved in writing by the Landscape Architect prior to ordering.
 - a. Permanent Grass Seed Mix
 1. Mix shall be IDOT Class 1A Salt Tolerant Lawn Mixture as produced by National Seed or approved equal.

A. Kentucky Blue Grass Sod and Buffalo Grass Sod

1. General
 - a. Kentucky Blue Grass Sod
 1. Kentucky Blue Grass Sod shall be nursery grown sod consisting of a blend of Kentucky Blue Grass species, Perennial Ryegrass and Creeping Red Fescue with a minimum of two years growth. Sod shall show evidence of dense well-rooted growth and be practically free from weeds and non-specified species. Grass height of sod shall be approximately 2 inches. Sod shall be raked free of undesirable debris. Sod shall be as specified as follows or an approved equal:
 2. 50% Kentucky Blue Grass, 30% Perennial Ryegrass, and 20% Creeping Red Fescue.
 3. It shall contain no bent grass, quack grass or other noxious weed growth and shall be free from fungus and other pests and/or diseases.
 4. It shall be of firm, tough texture, having a compact growth of grass and good root development.
 5. The sod root zone shall be of good, fertile, natural field soil and free from stones and debris and the sod shall contain sufficient moisture to maintain its vitality during transportation.
 - b. Buffalo Grass Sod
 1. Buffalo Grass Sod shall be nursery grown sod consisting of a blend of 100% improved Buffalo Grass species and be a minimum of two years growth. Sod shall show evidence of dense well-rooted growth and be practically free from weeds and non-Buffalo Grass species. Grass height of sod shall be

approximately 2 inches. Sod shall be raked free of undesirable debris. Sod shall be as specified as follows or an approved equal:

2. Buffalo Grass Sod shall be Legacy variety or approved equal.
 3. It shall contain no bent grass, quack grass or other noxious weed growth and shall be free from fungus and other pests and/or diseases.
 4. It shall be of firm, tough texture, having a compact growth of grass and good root development.
 5. The sod root zone shall be of good, fertile, natural field soil and free from stones and debris and the sod shall contain sufficient moisture to maintain its vitality during transportation.
2. Harvesting of Sod
- a. Mowing: Before being cut and lifted, the sod shall have been mowed at least twice with a lawn mower, with the final mowing not more than seven days before the sod is cut.
 - b. Cutting: The sod shall be carefully cut into uniform strips one inch thick, and 36-inches long. All strips shall be of the same width, which may be from 12-inches to 18-inches. Strips less than 12-inches or more than 18-inches in width will not be accepted. Each strip shall be rolled as compactly as is possible without breaking the turf.
 - c. Sod cut for more than 24 hours shall not be used without the approval of the engineer.
3. Inspection of Sod
- a. All sod shall be fresh and green when placed. Any sod that is dried out, burned, inferior in quality, or in any way failing to meet the requirements of these specifications will be rejected and the Contractor shall immediately remove such rejected material from the premise and supply suitable material in its place.

PART 3 - EXECUTION

3.01 SITE PREPARATION

- A. Spreading and Rough Grading of topsoil as specified in Section 329100: Soil and Landscape Bed Preparation, Landscape Excavation, and Backfill. The Contractor shall spread and rough grade the areas to an elevation approximately 0.2 feet plus or minus below the finish grade as directed by the engineer. All equipment used for spreading and rough grading work shall be as approved by the engineer.
- B. Tilling: All areas to be seeded or sodded shall be thoroughly prepared to the required depth of approximately three inches, by disking, harrowing or by other approved means. Limited areas shown on the drawing, which are too small to make these operations practicable shall receive special scarification prior to final tilling. Tilling shall continue until the condition of the soil is acceptable to the engineer as suitable for the specified type of seeding or sodding. When conditions are such, by reason of drought, excess moisture, or other factors that satisfactory results are not likely to be obtained, the work will be stopped by the engineer and shall be resumed only when directed. Undulations or irregularities in the

surface that would interfere with further Contractor's operations or maintenance shall be leveled before the next specified operation.

- C. Cleanup: After completion of tilling operations, the surface shall be cleared of all stones, stumps or other objects larger than 1-inch in thickness of diameter and of roots, brush, wire, grade stakes and other objects that may be a hindrance to maintenance operations. Adjacent paved areas shall be kept clean and soil or other dirt that may be brought upon the surface shall be removed promptly.
- D. Fine Grading: Final grades on the areas to be seeded or sodded are shown on the drawings by contour lines. The surfaces shall be left at the indicated grades in an even and properly compacted condition which insofar as practicable, will not provide dips and pockets where water may stand. Upon completion of tilling operations and immediately prior to sowing seed or placing sod, the area shall be finish graded as needed to correct surface irregularities produced by the preceding operations or by other cause and to restore design grades.

3.02 SPREADING FERTILIZER

- A. Fertilizer shall be distributed uniformly at a rate of 300 pounds per acres, over the areas indicated to be seeded or sodded, and shall be incorporated into the soil to a depth at least 2-inches by disking, harrowing or other acceptable methods. The incorporation of fertilizer may be a part of the tillage operation specified above.

3.03 SEEDING

A. Seeding

1. No seeds shall be sown during high winds. Seed shall be broadcast either by hand or sowing equipment. Method of sowing and equipment shall be approved by the engineer.
2. Seed shall be applied at the rate(s) shown on the contract plans.
3. Half the seed shall be sown with the sower moving in one direction and the remainder shall be sown with the sower moving at right angles to the first sowing.
4. The seeded area shall be lightly raked, being careful not to rake seed from one area to another thus causing an uneven seeding. The seed shall be covered to a depth from 1/8-inch to 1/4-inch.
5. Seeding shall be done by workers experienced in this type of work.
6. No seeding shall be done on an area compacted by rain until the soil is brought back to a friable condition.

B. Erosion Control Blanket

1. The Contractor shall install erosion control blanket as specified in the plans. Erosion control blanket to be North American Green SC 150 Blanket or approved equal.
2. Within 24 hours of seed placement, blanket shall be placed on the areas specified. Prior to placing the blanket, the areas to be covered shall be relatively free of rocks or clods over 1 1/2 inches in diameter, and sticks or other foreign material which will prevent the close contact of the blanket with the seed bed.
3. If, as a result of rain, the prepared seed bed becomes crusted or eroded, or if eroded places, ruts, or depressions exist for any reason, the Contractor shall rework the soil

until it is smooth and reseed such areas which are reworked. After the area has been properly shaped, fertilized, and seeded, the blanket shall be laid out flat, evenly, and smoothly, without stretching the material. The erosion control blanket shall be placed so that the netting is on the top and the fibers are in contact with the soil.

4. For placement in ditches, the erosion control blanket shall be applied parallel to the centerline of the ditch so that there are no longitudinal seams within 2 feet of the bottom centerline of the ditch. The blanket shall be toed in on the upslope edge and shingled or overlapped with the flow.
5. On slopes, the blanket shall be applied either horizontally or vertically

C. Maintenance During Seed Establishment

1. Maintenance including watering of grass shall continue until all seeding work under this contract has been completed and accepted by the Owner.
2. Watering
 - a. The seed bed shall be kept moist but not wet during the period of seed germination. Care must be taken that the seed bed does not dry out in spots.
 - b. During germination, the water shall penetrate to a depth of 1-inch into the seed bed.
 - c. After germination, as the grass roots go deeper into the soil, the quantity of water shall be increased so that the depth of penetration is a minimum of 3-inches.
 - d. If water is not available on site, the Contractor shall supply water from his own source. The Contractor shall furnish the hose and proper equipment for watering purposes.
3. Mowing
 - a. The Contractor shall be solely responsible for mowing during construction.

D. Seeded lawn areas to be acceptable shall be in a green and healthy condition, devoid of bare spots.

E. Protection

1. The Contractor is responsible for the proper care of the seeded areas during the period when the vegetation is being established.
2. Newly seeded areas shall be protected against traffic or other use, by enclosing the areas with snow fencing or other approved barrier.
3. "NEWLY SEEDED" or other appropriate approved warning placards shall be posted until all work under the contract is completed and accepted.

F. Repair

1. If at any time before completion and acceptance of the entire work covered by this contract, any portion of the surface becomes gullied or otherwise damaged following seeding, dies due to lack of water, becomes rutted due to improper protection, has been winter-killed or otherwise damaged or destroyed, the affected portion shall be repaired to re-establish the condition and grade of the soil prior to seeding and shall then be reseeded as specified herein by the Contractor, at no additional cost to the Owner.

3.04 SODDING

G. General

1. The surface on which sod is to be laid shall be firm and free from footprints or other depressions.
2. Sod shall be laid in such a manner that joints between courses do not coincide. Sod shall be tightly fitted and tamped lightly to ensure contact with the surface of the soil at all points.
3. All laid sod shall be protected from usage by workmen or equipment, so as not to disturb joints or cause depressions through footprints or vehicle ruts.
4. Any disturbed areas shall be redone to conform to grade.
5. On slopes steeper than 2:1 and elsewhere where so directed, the sod shall be fastened in place with suitable wooden pins or by other approved methods.

H. Watering

1. Sod shall be thoroughly watered immediately after installation.
2. The sod shall be watered as often as necessary to ensure sufficient water shall be applied to wet the sod bed at least 2-inches deep.
3. Watering shall be done in a manner that will avoid erosion due to application of excessive quantities, and the water equipment shall be of a type that will prevent damage to the finished surfaces.
4. If water is not available on site, the Contractor shall supply water from his own source. The Contractor shall furnish the hose and proper equipment for watering purposes.

I. Mowing

1. The Contractor shall be solely responsible for mowing during construction.

J. Sodded lawn areas to be acceptable shall be in a green and healthy condition, devoid of bare spots.

K. Protection

1. The Contractor is responsible for the proper care of the sodded areas during the period when the vegetation is being established.
2. Newly sodded areas shall be protected against traffic or other use, by enclosing the areas with snow fencing or other approved barrier.
3. "NEWLY SODDED" or other appropriate approved warning placards shall be posted until all work under the contract is completed and accepted.

L. Repair

1. If at any time before completion and acceptance of the entire work covered by this contract, any portion of the sodded surface becomes damaged, dies due to lack of water, becomes rutted due to improper protection, has been winter-killed or otherwise damaged or destroyed, the affected portion shall be repaired to re-establish the condition and grade of the soil prior to sodding and shall then be resodded as specified hereinbefore by the Contractor, at no additional cost to the Owner.

M. Maintenance during Sod Establishment: Maintenance including watering of grass shall continue until all sodding work under this contract has been completed and accepted by the Owner.

3.05 MAINTENANCE

A. Maintenance

1. The Contractor shall be responsible for maintenance until 30 days after the certificate of substantial completion. After the 30 day period from the date on the certificate of substantial completion, the Owner shall be responsible for all aspects of the maintenance.
2. Maintenance during this time period shall include all a requirements aforementioned within this specification.

3.06 ACCEPTANCE

A. Completion of the Work

1. Upon completion of work, the Contractor shall notify the Landscape Architect and the Owner at least ten (10) days prior to requested date of substantial completion of all or portions of the work. Landscape Architect will review all of the work and prepare a punch list of work not installed or not installed in conformance with the contract documents. All work in the punch list must be completed within five (5) working days from date of issue. Where work does not comply with requirements, replace rejected work and continue specified protection and maintenance until reviewed by Landscape Architect and found to be acceptable.

B. Certificate of Substantial Completion

1. Certificate of substantial completion will be issued for acceptable work at sole discretion of the Landscape Architect. If punch list items are issued with the certificate, they must be corrected within five (5) working days. If items are not corrected within five (5) working days than the certificate of substantial completion will be revoked and reissued when the punch list items are corrected.

C. Final Acceptance

1. After the 30 day maintenance period following the date of substantial completion the Landscape Architect and the Owner will review the work for final acceptance. Upon satisfactory completion of repairs and / or replacements the Landscape Architect will certify, in writing, final acceptance of the work, which will serve as evidence that Contractor's obligations have been met.

END OF SECTION 329200

SECTION 099113 – EXTERIOR PAINTING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes surface preparation and the application of paint systems on the following exterior substrates:
 - 1. Wood.
 - 2. Previously coated surfaces.

1.3 DEFINITIONS

- A. General: Standard coating terms defined in ASTM D 16 apply to this Section.
 - 1. Semigloss (MPI Gloss Level 5) refers to medium-sheen finish with a gloss range between 35 and 70 when measured at a 60-degree meter.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Samples for Initial Selection: For each type of topcoat product indicated, unless colors are indicated in color schedules on Drawings.
 - 1. After color selection, Architect will furnish color chips for surfaces to be coated.
- C. Samples for Verification: For each type of paint system and in each color and gloss of topcoat indicated.
 - 1. Submit Samples on rigid backing, 8 inches square.
 - 2. Step coats on Samples to show each coat required for system.
 - 3. Label each coat of each Sample.
 - 4. Label each Sample for location and application area.
- D. Product List: For each product indicated, include the following:
 - 1. Cross-reference to paint system and locations of application areas. Use same designations indicated on Drawings and in schedules.

1.5 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials described below that are from same production run (batch mix) as materials applied and that are packaged for storage and identified with labels describing contents.
 - 1. Quantity: Furnish an additional 5 percent, but not less than 1 gal. of each material and color applied.

1.6 QUALITY ASSURANCE

- A. MPI Standards:
 - 1. Preparation and Workmanship: Comply with requirements in "MPI Maintenance Repainting Manual," and "MPI Architectural Painting Specification Manual" for products and paint systems indicated.
- B. Source Limitations: Obtain primers for each coating system from the same manufacturer as the finish coats.
- C. Mockups: Apply benchmark samples of each paint system indicated and each color and finish selected to verify preliminary selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
 - 1. Architect will select one surface to represent surfaces and conditions for application of each paint system specified in Part 3.
 - a. Provide samples of at least 100 sq ft, unless a smaller sample is approved by Architect.
 - 2. Final approval of color selections will be based on benchmark samples.
 - a. If preliminary color selections are not approved, apply additional benchmark samples of additional colors selected by Architect at no added cost to Owner.
 - 3. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
 - 4. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F.
 - 1. Maintain containers in clean condition, free of foreign materials and residue.
 - 2. Remove rags and waste from storage areas daily.

1.8 FIELD CONDITIONS

- A. Apply paints only when temperature of surfaces to be painted and ambient air temperatures are between 50 and 95 deg F.
- B. Do not apply paints when relative humidity exceeds 85 percent; at temperatures less than 5 deg F above the dew point; or to damp or wet surfaces.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Benjamin Moore & Co.
 - 2. Glidden Professional Paints.
 - 3. PPG Architectural Finishes, Inc.
 - 4. Pratt & Lambert.
 - 5. Sherwin-Williams Company (The).

2.2 PAINT, GENERAL

- A. Material Compatibility:
 - 1. Provide materials for use within each paint system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
 - 2. For each coat in a paint system, provide products recommended in writing by manufacturers of topcoat for use in paint system and on substrate indicated.
- B. Colors: As indicated in color schedules on Drawings, or if not indicated, as selected by Architect from manufacturer's full range.
- C. Material Quality: Provide manufacturer's best-quality paint material of the various coating types specified that are factory formulated and recommended by manufacturer for application indicated. Paint-material containers not displaying manufacturer's product identification will not be acceptable.
 - 1. Proprietary Names: Use of manufacturer's proprietary product names to designate colors or materials is not intended to imply that products named are required to be used to the exclusion of equivalent products of other manufacturers. Furnish manufacturer's material data and certificates of performance for proposed substitutions.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of work.
- B. Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows:
 - 1. Wood: 15 percent.
- C. Verify suitability of substrates, including surface conditions and compatibility with existing finishes and primers.
- D. Proceed with coating application only after unsatisfactory conditions have been corrected.
 - 1. Application of coating indicates acceptance of surfaces and conditions.

3.2 PREPARATION

- A. Comply with manufacturer's written instructions and recommendations in "MPI Maintenance Repainting Manual" and "MPI Architectural Painting Specification Manual" applicable to substrates indicated.
- B. Remove plates, machined surfaces, and similar items already in place that are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.
 - 1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection if any.
- C. Clean substrates of substances that could impair bond of paints, including dirt, oil, grease, and incompatible paints and encapsulants.
 - 1. Remove incompatible primers and reprime substrate with compatible primers as required to produce paint systems indicated.
 - 2. Schedule cleaning and painting so dust and other contaminants from the cleaning process will not fall on wet, newly painted surfaces.
- D. Wood Substrates: Clean surfaces of dirt, oil, and other foreign substances with scrapers, mineral spirits, and sandpaper, as required. Sand surfaces exposed to view smooth and dust off.
 - 1. Scrape and clean knots, and apply coat of knot sealer before applying primer.
 - 2. Sand surfaces that will be exposed to view, and dust off.
 - 3. Prime edges, ends, faces, undersides, and backsides of wood.
 - 4. After priming, fill holes and imperfections in the finish surfaces with putty or plastic wood filler. Sand smooth when dried.

- E. Previously Coated Surfaces: If in sound condition, clean the surface of foreign material. Dull smooth, hard or glossy coatings and surfaces abrading surfaces. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, or if paint product attacks previous finish, remove of previous coating. If paint is checked, cracked, blistering, scaled, peeling, loose, alligatored, or badly weathered, clean surface to sound substrate and treat according to requirements for new substrates.

3.3 APPLICATION

- A. Apply paints according to manufacturer's written instructions and recommendations in "MPI Manual."
 - 1. Use applicators and techniques suited for paint and substrate indicated.
 - 2. Paint surfaces behind movable equipment and furniture same as similar exposed surfaces. Before final installation, paint surfaces behind permanently fixed equipment or furniture with prime coat only.
 - 3. Paint both sides and edges of exterior doors and entire exposed surface of exterior door frames.
 - 4. Do not paint over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.
- B. Tint each undercoat a lighter shade to facilitate identification of each coat if multiple coats of same material are to be applied. Tint undercoats to match color of topcoat, but provide sufficient difference in shade of undercoats to distinguish each separate coat.
- C. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.
- D. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.

3.4 FIELD QUALITY CONTROL

- A. Dry Film Thickness Testing: Owner may engage the services of a qualified testing and inspecting agency to inspect and test paint for dry film thickness.
 - 1. Contractor shall touch up and restore painted surfaces damaged by testing.
 - 2. If test results show that dry film thickness of applied paint does not comply with paint manufacturer's written recommendations, Contractor shall pay for testing and apply additional coats as needed to provide dry film thickness that complies with paint manufacturer's written recommendations.

3.5 CLEANING AND PROTECTION

- A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.

- B. After completing paint application, clean spattered surfaces. Remove spattered paints by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.
- C. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.
- D. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

3.6 EXTERIOR PAINTING SCHEDULE

A. Exposed Wood Substrates:

- 1. Semi-Gloss Finish: Two finish coats over a primer.
 - a. 1st Coat: S-W Exterior Latex Wood Primer, B42W8041: Applied at a dry film thickness of not less than 1.4 mils per coat (4.0 mils wet).
 - b. 2nd and 3rd Coats: S-W Metalatex Semi-Gloss, B42 Series: Applied at a dry film thickness of not less than 1.5 mils (4.0 mils wet) per coat.

B. Existing Painted Steel Substrates:

- 1. Surface Preparation: SSPC 3 to remove loosely rust and mil scale, build a profile and promote adhesion.
 - a. If existing paint is more than 25-percent failed by rusting, peeling, or flaking, remove paint and treat as a new surface.
 - b. If less than 25 percent of existing paint has failed, clean failed areas and spot prime. Existing coatings shall be tested for liftings. If they lift, remove existing coatings. Scuff sand glossy areas and aged epoxy coatings.
 - c. Do not prepare more steel substrate than can be painted the same day.
- 2. 1st Coat: S-W Pro Industrial Pro-Cryl Primer, B66-310 Series. Applied at a dry film thickness of not less than 2 to 4 mils.
- 3. 2nd and 3rd Coats: S-W Metalatex Semi-Gloss, B42 Series: Applied at a dry film thickness of not less than 1.5 mils (4.0 mils wet) per coat.

END OF SECTION 099113

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Furnish all labor, materials, tools and equipment necessary to install slit-film artificial grass as indicated on the plans and as specified herein; including components and accessories required for a complete installation. Including but not limited to
 - 1. Acceptance of prepared sub-base.
 - 2. Coordination with related trades to ensure a complete, integrated, and timely installation: Aggregate base course, sub-base material (tested for permeability), grading and compacting, piping and drain components (when required); as provided under its respective trade section.
- B. Related Requirements:
 - 1. Sub base course and subdrainage system for artificial grass field turf system are indicated on Drawings.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated.
 - 1. Include fiber manufacturer's name, type or design of fiber, composition of fiber, and cross section of fiber.
- B. Shop Drawings: For artificial grass field turf. Include the following:
 - 1. Field layout.
 - 2. Field marking plan and details for the specified sports.
 - 3. Roll/seaming layout.
 - 4. Methods of attachment, field openings and perimeter conditions.
- C. Samples for Initial Selection: Manufacturer's color charts showing colors available for markings, letters, and logos.
- D. Samples for Verification: For the following products:
 - 1. 6-by-6-inch Samples, illustrating details of finished product.

1.4 INFORMATIONAL SUBMITTALS

- A. Substitutions: Other products are acceptable if in compliance with all requirements of these specifications. This is an Open Bid and Bidders will be fairly evaluated on their

system. Submit alternate products for approval with your bid.

1. Provide substantiation that proposed system does not violate any other manufacturer's patents, patents allowed or patents pending.
 2. Provide a sample copy of insured, non-prorated warranty and insurance policy information.
 3. There will be no post-bid presentations to review bid contents with the bidders.
- B. Comply with Submittal Procedures. Submit for approval prior to fabrication.
- C. Installer Certificates: Signed by artificial grass field turf system manufacturer certifying that Installer is approved, authorized, or licensed by manufacturer to install artificial grass field turf system.
- D. Manufacturer Certificates: Signed by artificial grass field turf manufacturer certifying that artificial grass field turf system complies with requirements indicated.
1. Submit evidence of meeting performance requirements.
- E. Qualification Data: For Manufacturer.
- F. Material Test Reports: For the following, based on evaluation of the following tests performed by a qualified testing agency, for artificial grass field turf:
1. Pile Height, Face Weight & Total Fabric Weight, ASTM D5848.
 2. Primary & Secondary Backing Weights, ASTM D5848.
 3. Tuft Bind, ASTM D1335.
 4. Grab Tear Strength, ASTM D1682 or D5034.
 5. Water Permeability, ASTM D4491
- G. Field quality-control test reports.
- H. Warranty: Special warranty specified in this Section.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For artificial grass field turf to include in maintenance manuals.
1. Include synthetic turf maintenance program video recording, minimum 640 by 480 video resolution converted to format file type acceptable to the Owner on electronic media.
 2. Contractor shall train the Owner's facility maintenance staff in the use of the turf manufacturer's recommended maintenance equipment.
 3. Manufacturer must provide maintenance guidelines to the facility maintenance staff.
- B. Record Documents: Record actual locations of seams, drains or other pertinent information.

1.6 MAINTENANCE SERVICE AND MATERIAL SUBMITTALS

- A. Provide useable remnants remaining from installation, consisting of scrap pieces more than 2 feet in dimension with more than 6 square feet total, to the Owner.
 - 1. Neatly roll useable remnants of artificial grass field turf materials and deliver to Owner's designated on-site storage area.
 - 2. Contractor shall train the Owner's facility maintenance staff in the use of the turf manufacturer's recommended maintenance equipment.
 - 3. Manufacturer must provide maintenance guidelines to the facility maintenance staff.

1.7 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A manufacturer experienced in the manufacture and installation of this specific type of synthetic slit film artificial grass field turf for at least three years with substantially the same manufacturer, product, and company. This includes the same slit film fiber, backing, backing coating, and installation method.
 - 1. Shall be experienced in the manufacture and installation of infilled slit-film synthetic grass system for a minimum of three years. This includes use of a slit-film fiber, backing, the backing coating, and the installation method.
 - 2. Shall provide third-party laboratory testing proving heat reduction qualities of the same infill used in the proposed turf system.
 - 3. Shall provide list of at least 15 references in the United States with the same infill structure used in the proposed system.
- B. Installer: Company shall specialize in performing the work of this section. The Contractor shall provide competent workmen skilled in this specific type of artificial grass installation.
 - 1. The designated Supervisory Personnel on the project shall be certified, in writing by the turf manufacturer, as competent in the installation of specified monofilament material, including sewing seams and proper installation of the infill mixture.
 - 2. Installer shall be certified by the manufacturer and licensed.
 - 3. The installer supervisor shall have a minimum of 5 years' experience as either a construction manager or a supervisor of synthetic turf installations
- C. Land Surveyor Qualifications: A professional land surveyor who is legally qualified to practice in jurisdiction where Project is located and who is experienced in providing land surveying services of the kind indicated.
- D. Source Limitations: Obtain components for artificial grass field turf system materials through one source from a single manufacturer or approved by artificial grass field turf manufacturer.
 - 1. Provide secondary materials of type and from source recommended by manufacturer of artificial grass field turf materials.

- E. Designs, Game Lines, and Markings: Comply with applicable requirements of Professional Baseball, NFHS, NCAA or league-specific rules, whichever apply, for sports activities design, layout, game lines, and markings.
- F. Preinstallation Conference: Conduct conference at Project site.
 - 1. Review methods and procedures related to artificial grass field turf including, but not limited to, the following:
 - a. Subbase conditions.
 - b. Installation, including seaming techniques.
 - c. Field quality-control testing.

1.8 DELIVERY, STORAGE, AND PROTECTION

- A. Deliver artificial grass field turf products to Project site in original wrapped condition with seals unbroken and labeled with manufacturer's name, product brand name and type, date of manufacture, approval or listing agency markings, and directions for storing.
- B. Store artificial grass field turf products under cover and elevated above grade.

1.9 PROJECT CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit artificial grass field turf system installation to be performed according to manufacturers' written instructions and warranty requirements.

1.10 WARRANTY

Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of artificial grass field turf that fail in materials or workmanship within specified warranty period. **Manufacturer's Warranty to provide 3 change-out installations (including turf carpet, infill, and labor) within the 8 year warranty period at owners discretion of the high wear areas within baseball field that includes full home plate circle, re-turfing portable pitcher's mound, re-turfing portable bullpen mounds (multiple) & full catchers area, and 5'x15' rectangles at 1st, 2nd, 3rd bases.**

- 1. Failures include, but are not limited to, the following:
 - a. Stretching, tearing, and seam splitting.
 - b. Deterioration of surface and other materials beyond normal weathering.
 - c. Artificial Grass Field Turf shall maintain an ASTM F 1936 G-max of between 135 and 180 for the life of the warranty.
- 2. Manufacturer shall submit to Owner notification in writing that field is added to annual policy coverage, guaranteeing warranty to Owner. Insurance policy

shall be underwritten by an AM Best A-rated carrier and include the following values:

- a. Pre-paid 8-year insured warranty.
 - b. Insured warranty coverage shall be provided in form of one single policy.
 - c. Shall cover 100-percent replacement value of total square footage installed.
 - d. Policies that include self insurance or self retention clauses are not allowed.
 - e. Policy shall not include any form of deductible amount.
 - f. Sample policy shall be provided at time of bid to prove that policy is in force. Letters from agent or sample Certificate of Insurance are not acceptable.
3. Warranty Period: 8 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Products: Subject to compliance with requirements, provide one of the following:

1. FieldTurf International, Inc.; Classic HD 2.25" **BASE BID**
2. FieldTurf International, Inc.; Classic HD 2.25" W/ COOLPLAY **ADD ALTERNATE**
3. Engineer Approved Equal

2.2 FIELD GROOMER & SWEEPER

A. Supply field groomer as part of the work.

1. Field Groomer shall include a towing attachment compatible with a field utility vehicle.
2. Field Groomer shall be a FieldTurf GroomRight or equal
3. Field Sweeper shall include a towing attachment compatible with a field utility vehicle.
4. Field Sweeper shall be a FieldTurf SweepRight or equal

2.3 SLIT FILM ARTIFICIAL GRASS FIELD TURF

A. Manufacturer's standard slit film artificial grass field turf system, consisting of the following:

1. Carpet made of slit-film polyethylene fibers tufted into a fibrous, non-perforated, porous backing.
2. Infill: Controlled mixture of graded sand and cryogenic rubber crumb that partially covers the carpet. A top infill layer of the CoolPlay extruded composite is mandatory as part of the **ADD ALTERNATE**.

3. Glue, thread, paint, seaming fabric and other materials used to install and mark the artificial grass slit-film FieldTurf.

B. The installed artificial grass slit-film FieldTurf shall have the following properties:

BASE BID HD CLASSIC 2.25"

<u>Standard</u>	<u>Property</u>	<u>Specification</u>
ASTM D1577	Fiber Denier	10,800
ASTM D3218	Tape Thickness	130 Microns
ASTM D5823	Pile Height	2 1/4"
ASTM D5793	Stitch Gauge	3/4"
ASTM D5848	Pile Weight	33oz/square yard
ASTM D5848	Primary Backing	7+oz/square yard
ASTM D5848	Secondary Backing	14+oz/square yard
ASTM D5848	Total Weight	54+oz/square yard
ASTM D1335	Tuft Bind (Without Infill)	8+ lbs
ASTM D5034	Grab Tear (Width)	200 lbs/force
ASTM D5034	Grab Tear (Length)	200 lbs/force
ASTM D4491	Carpet Permeability	>40 inches/hour
ASTM F355/F1936	Impact Attenuation (Gmax)	<200
	Infill Material Depth	1.5 inches
	SBR Rubber Infill Component	2.2lbs/square foot
	Sand Infill Component	6.2lbs/square foot
	Total Product Weight	1264oz/square yard

Variation of +/- 5% on above listed properties is within normal manufacturing tolerances

ADD ALTERNATE HD CLASSIC 2.25" W/ COOL PLAY

<u>Standard</u>	<u>Property</u>	<u>Specification</u>
ASTM D1577	Fiber Denier	10,800
ASTM D3218	Tape Thickness	130 Microns
ASTM D5823	Pile Height	2 1/4"
ASTM D5793	Stitch Gauge	3/4"
ASTM D5848	Pile Weight	33oz/square yard
ASTM D5848	Primary Backing	7+oz/square yard
ASTM D5848	Secondary Backing	14+oz/square yard
ASTM D5848	Total Weight	54+oz/square yard
ASTM D1335	Tuft Bind (Without Infill)	8+ lbs
ASTM D5034	Grab Tear (Width)	200 lbs/force
ASTM D5034	Grab Tear (Length)	200 lbs/force
ASTM D4491	Carpet Permeability	>40 inches/hour
ASTM F355/F1936	Impact Attenuation (Gmax)	<200
	Infill Material Depth	1.5 inches
	CoolPlay Composite	0.6lbs/square foot
	SBR Rubber Infill Component	1.6lbs/square foot
	Sand Infill Component	6.2lbs/square foot
	Total Product Weight	1264oz/square yard

Variation of +/- 5% on above listed properties is within normal manufacturing tolerances

- C. Carpet shall consist of slit-film fibers tufted into a primary backing with a secondary backing.
- D. Carpet Rolls shall be 15' wide rolls.
1. Rolls shall be long enough to go from field sideline to sideline.
 2. Where the playing field is for football, the perimeter white line shall be tufted into the individual sideline rolls.
- E. Backing:
1. Primary backing shall be a double-layered polypropylene fabric.
 2. Secondary backing shall consist of an application of porous, heat-activated urethane to permanently lock the fiber tufts in place.
 3. Perforated (with punched holes), backed carpet are unacceptable.
- F. Fiber shall be 10,800 denier, low friction, and UV-resistant fiber measuring not less than 2 1/4 inches high.
1. Systems with less than a 2 1/4 inch fibers are unacceptable.
- G. Infill materials shall be approved by the manufacturer.
- BASE BID**
1. Infill shall consist of a resilient layered granular system, comprising selected and graded sand and cryogenically hammer-milled SBR rubber crumb.
 2. Artificial Grass products without cryogenically processed rubber shall not be accepted.
- ADD ALTERNATE**
1. Infill shall consist of a resilient layered granular system, comprising selected and graded sand and cryogenically hammer-milled SBR rubber crumb with a top layer of the extruded CoolPlay composite.
 2. Artificial Grass products without cryogenically processed rubber and a top layer of the extruded CoolPlay composite will not be acceptable.
 3. CoolPlay composite must have a bulk density of 0.55g/cm³ +/- 15% and a specific gravity of greater than 1.
- H. The sand infill will comply within the following characteristics:
- Average Particle size between 20 and 30 mesh [calculated based on summing the midpoint of sieve pan fractions times the % retained on given screen fractions]
 - Average Particle shape > 0.4 on the Krumbein scale
 - Particle structure predominantly single grain
 - Produce < 0.4%, -50M in API crush test at 80psig
- I. Non-tufted or inlaid lines and markings shall be painted with paint approved by the synthetic turf manufacturer.
- J. Thread for sewing seams of turf shall be as recommended by the synthetic turf manufacturer.
- K. Glue and seaming fabric for inlaying lines and markings shall be as recommended by the synthetic turf manufacturer.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine subbase, areas, and conditions, with Installer present, for compliance with the following requirements and other conditions affecting performance of artificial grass field turf system.
 - 1. Verify that aggregate base compaction is 95 percent according to ASTM D 1557.
 - 2. Verify that surface planarity tolerance does not to exceed 0-to-1/4-inch over 10 feet and 0-to-1/2-inch from design grade indicated.
 - 3. Clean surfaces of debris, loose material, and other deleterious materials prior to commencement of Work.

3.2 PREPARATION

- A. General: Engage a land surveyor to lay out the Work using acceptable surveying practices, complying with Division 01 Section "Execution Requirements."
 - 1. Establish benchmarks and control points to set lines and levels of field construction and elsewhere as needed to locate each element of Project.
 - 2. Record finished field as-built measurements on Project Record Documents.
- B. This trade contractor shall be responsible for finish grading and smoothing of the P210 stone base under the artificial grass field turf. Stone will be provided and compacted by others to +/- 0.10 feet.
- C. Installer shall examine the surface to receive the synthetic turf and accept the sub-base planarity in writing prior to the beginning of installation.
- D. Acceptance is dependent upon the Owner's test results indicating compaction and planarity are in compliance with manufacturer's specifications.
- E. The surface shall be accepted by Installer as "clean" as installation commences and shall be maintained in that condition throughout the process.
- F. Examine subbase, areas, and conditions, with Installer present, for compliance with the following requirements and other conditions affecting performance of artificial grass field turf system.
 - 1. Verify that aggregate base compaction is 95 percent according to ASTM D 1557.
 - 2. Verify that surface planarity tolerance does not to exceed 0-to-1/4-inch over 10 feet and 0-to-1/4-inch from design grade indicated.
 - 3. Clean surfaces of debris, loose material, and other deleterious materials prior to commencement of Work.
- G. For the record, prepare written report, endorsed by Installer, listing conditions detrimental to performance of the Work.

- H. Proceed with installation only after unsatisfactory conditions have been corrected.
 - 1. Beginning installation constitutes Contractor's acceptance of subbase and conditions.

3.3 INSTALLATION, GENERAL

- A. General: Comply with artificial grass field turf system manufacturer's written installation instructions and approved Shop Drawings. Install artificial grass field turf over area and in thickness indicated.
- B. Start installation with manufacturer's authorized representative present to certify installation and Warranty compliance.
- C. Only trained technicians, skilled in the installation of athletic caliber synthetic turf systems working under the direct supervision of the approved installer supervisors, shall undertake any cutting, sewing, gluing, shearing, topdressing or brushing operations.
- D. The designated Supervisory personnel on the project must be certified, in writing by the turf manufacturer, as competent in the installation of this material, including sewing seams and proper installation of the Infill mixture.
- E. Designs, markings, layouts, and materials shall conform to all currently applicable National Collegiate Athletic Association rules, NFHS rules, and/or other rules or standards that may apply to this type of synthetic grass installation. Designs, markings and layouts shall first be approved by the Architect or Owner in the form of final shop drawings. All markings will be in full compliance with final shop drawings.

3.4 ARTIFICIAL GRASS FIELD TURF INSTALLATION

- A. Install carpet rolls directly over prepared aggregate base. Do not disturb aggregate base, compaction, or planarity. Repair and properly compact disturbed areas of aggregate base according to requirements of Division 31 Section "Earthwork."
- B. Install at location(s) indicated, to comply with final shop drawings, manufacturers'/installer's instructions.
- C. The Contractor shall strictly adhere to specified procedures. Any variance from these requirements shall be provided in writing, by the manufacturer's on-site representative, and submitted to the Architect and/or Owner, verifying that the changes do not in any way affect the Warranty. Infill materials shall be approved by the manufacturer and installed in accordance with the manufacturer's standard procedures.
- D. Carpet rolls shall be installed directly over the properly prepared aggregate base. Extreme care shall be taken to avoid disturbing the aggregate base, both in regard to compaction and planarity.
 - 1. Repair and properly compact any disturbed areas of the aggregate base as recommended by manufacturer

- E. Full width rolls shall be laid out across the field.
 - 1. Turf shall be of sufficient length to permit full cross-field installation from sideline to sideline.
 - 2. No cross seams will be allowed in the main playing area between the sidelines.
 - 3. Each roll shall be attached to the next roll utilizing standard state-of-the-art sewing procedures.
 - 4. When all of the rolls of the playing surface have been installed, the sideline areas shall be installed at right angles to the playing surface.

- F. Artificial turf panel seams shall be sewn along the selvedge edging flap of the turf roll. Seams secured by other means including gluing are unacceptable. Installation shall be 99% sewn.
 - 1. Minimum gluing will only be permitted to repair problem areas, corner completions, and to cut in any logos or inlaid lines as required by the specifications.
 - 2. Seams shall be flat, tight, and permanent with no separation or fraying.
 - 3. In the case of all lines and logos, turf carpet must be field fibers must be sheared to the backing (do not cut the backing) and adhered using hot melt adhesives.

- F. Infill Materials:
 - 1. Infill materials shall be applied in numerous thin lifts. The turf shall be brushed as the mixture is applied. The infill material shall be installed to a depth determined by the manufacturer.
 - 2. Layered infill shall be installed in a systematic order.
 - 3. Infill materials shall be installed to fill the voids between the fibers and allow the fibers to remain vertical and non-directional. The Infill installation consists of a base layer of sand followed by a homogenous mixture of the sand and the cryogenically processed rubber. **IF THE ALTERNATE IS ACCEPTED** A final application of the specifically sized CoolPlay composite completes the system. The Infill shall be installed to the depth of 1 1/2".

- G. Non-tufted or inlaid lines and markings shall be painted in accordance with turf and paint manufacturers' recommendations. Number of applications will be dependent upon installation and field conditions.

- H. Synthetic turf shall be attached to the perimeter edge detail in accordance with the manufacturer's standard procedures.

- I. Upon completion of installation, the finished field shall be inspected by the installation crew and an installation supervisor.

3.5 FIELD MARKINGS

- A. Install markings according to manufacturer's written instructions and approved Shop Drawings.

- B. Baseball: Tuft in foul lines.

- C. Inlay balance of sports markings, letters, and logos, according to artwork indicated on Drawings, in colors selected by Architect from manufacturer's full range, and artificial grass field turf manufacturer's written instructions.

3.6 FIELD QUALITY CONTROL

- A. Testing: Turf manufacturer shall engage a qualified testing agency to test finished artificial grass field turf for shock attenuation according to ASTM F 1936, for compliance with requirements.
- B. Manufacturer's Field Service: Engage a factory-authorized service representative to inspect installation and verify that Work conforms to artificial grass field turf manufacturer's requirements.
- C. Artificial grass field turf shall be considered defective if it does not pass tests and inspections.
- D. Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.
- E. Prepare test and inspection reports.

3.7 CLEANING AND PROTECTION

- A. Comply with artificial grass field turf manufacturer's written instructions for cleaning and protecting artificial grass field turf.
- B. Protect installed artificial grass field turf from damage and wear during remainder of construction period.
- C. Do not permit traffic over unprotected artificial grass field turf surface.

3.8 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel in the use of the turf sweeper and groomer. Refer to Division 01 Section "Demonstration and Training."

END OF SECTION 321813.14



2500 North Frontage Road
Darien, IL 60561
630.969.7000
Fax 630.737.0518
www.wightco.com

Project Name: City of Joliet-Minor League Baseball Park

Project Number: 07-5302-02

Date: August 25, 2017

Bid Question/Answer Log No. 1

The following clarification information is provided in response to questions received in accordance with the bid documents for the following Bid Packages:

#	Questions	Date	Answers	Date/By
1.	We see that criteria committee is listed as Civil Engineer, Construction Manager and City Staff, is this one person from each group with equal vote/influence, or will this be structured differently?	8/23/17	The criteria committee will be the Civil Engineer, Construction Manager and Three City Staff Members each with a equal vote.	8/23/17 Craig Polte
2.	Within Bid criteria 0 – 15 Points: Playability and Quality of Installation it states “Points will be awarded according to Committee evaluation”, is this just a subjective evaluation? If not, what is being evaluated here? Will fields of similar age be looked at? Is there a control factor here to allow for fair evaluation?	8/23/17	This will be a subjective evaluation. We will evaluate the fields by the bidders that meets the requirements of the evaluation criteria.	8/23/17 Craig Polte
3.	Will the evaluation scoring be released post-bid? Will there be any opportunity for bidders to provide feedback for any incorrect evaluation?	8/23/17	The final aggregate number for each bidder will be available upon request. There will be no opportunity for feedback on the evaluation.	8/23/17 Craig Polte
4.	This is a prevailing wage project as appropriate within the county, will Union scale be required, and if so are certified payrolls to be submitted?	8/23/17	All labor shall follow the guidelines and the city requirements as outlined in the project manual. It is prevailing wage and certified payroll is required	8/23/17 Craig Polte

5.	The schedule currently shows 10 days during November for installation, what are the allowable working hours to achieve this time period? What contingencies are there for weather given the time of the year?	8/23/17	The work should be bid to the project schedule and the cost should reflect the requirements. If additional working hours are required to meet the dates then bid the work accordingly.	8/23/17 Craig Polte
6.	Why has only 10 days been allocated for a turf installation of this size? We would normally expect 16+ days to be allocated, especially with weather issues?	8/23/17	Based on our vast experience and fields we have done of the same size, we believe 10 days is sufficient time for the installation. If weather causes delays then this will be addressed during the construction period.	8/23/17 Craig Polte
7.	Is it the city's desire to select the exact FieldTurf system as specified?	8/23/17	<u>No</u> The system as specified is a patent protected system and no other turf company can match it exactly. Will other turf companies be fairly evaluated for systems that are slight deviations from this specification that still meet the desired goals of the City but do not violate the patent? <u>This is an Open Bid and Bidders will be fairly evaluated on there system.</u>	8/23/17 Craig Polte
8.	Any plans for post-bid presentations to review bid contents with bidders?	8/23/17	No	8/23/17 Craig Polte