



Addendum No.: 3

Date Of Addendum: March 01, 2021

CT DAS | Construction Services | Office of Legal Affairs, Policy, and Procurement

Ella T. Grasso Technical High School
189 Fort Hill Road
Groton, Connecticut
BI-RT-877A, OSCGR PROJECT NO: 900-0014

Original Bid Due Date / Time:

March 17, 2021

1:00 PM

Previous Addenda: Addendum #2 dated 2/24/2021, Addendum #1 dated 2/17/2021

TO: Prospective Bid Proposers:

This Addendum forms part of the "Contract Documents" and modifies or clarifies the original "Contract Documents" for this Project dated December 01, 2020. Prospective Bid Proposers **shall** acknowledge receipt of the total number the Addenda issued for this Project on the space provided on Section 00 41 00 Bid Proposal Form.

Failure to acknowledge receipt of the total number the Addenda issued for this Project on the space provided on Section 00 41 00 Bid Proposal Form shall subject Bid Proposers to disqualification.

The following clarifications are applicable to drawings and specifications for the project referenced above.

ITEM 1: NOTIFICATION TO BIDDERS:

Bidders' questions and Substitution Requests will not be accepted after Friday March 05, 2021, 1:00PM.

ITEM 2: TRANSMITTED FOR INFORMATION:

The Bid Phase Meeting Attendance Log from the Pre-Bid Meeting held February 23, 2021 at 3:00 PM is transmitted with this Addendum Three:

ITEM 3: TRANSMITTED FOR INFORMATION:

The Minutes of the Pre-Bid Meeting held February 23, 2021, at 3:00 PM are transmitted with this Addendum Three

ITEM 4: Environmental regulators have requested adjustments to the Lower Field entry drive to reduce wetlands impact.

RESPONSE (4): **DELETE: Drawing Sheets SB-1 C2.0 and SB-1 C3.0
REPLACE with Drawing Sheets SB-1 C2.0 and SB-1 C3.0 captioned with Revision Mark"1," Date "03/01/21," Description "ADDENDUM 3," transmitted with this Addendum Three.**

ITEM 5: Revisions to the Electrical Power and Lighting scope are required in response to revisions to the site layout at the entry drive and parking area of the field house in Supplemental Bid 1 for the Lower Fields

RESPONSE (5): **DELETE: Drawing sheet SB-1-SE1.1
REPLACE with Drawing sheet SB-1-SE1.1 captioned with Revision Mark"1," Date "03/01/21," Description "ADDENDUM 3," transmitted with this Addendum Three.**

ITEM 6: Bidder Question:
Detail 8/C4.3 calls for the use of CTDOT Gravel Stone base per M.02.02. M.0202 is the spec section for gravel subbase,
Please confirm the intent is to use subbase material which has fines within it that may migrate into the pipe perforations and not a clean ¾" or 3/8" stone.

RESPONSE (6): **Detail 8/C4.3,
DELETE references to the gravel stone base designation around the perforated pipe
REPLACE with "washed 3/8" stone."**



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ITEM 7: Bidder Question:
Pole P3 is located on a 1" Type "K" copper water line

RESPONSE (7): **Adjust water line location as shown in SK-C2.0-1 Dated 03/01/2021 transmitted with this Addendum Three.**

ITEM 8: Bidder Question:
There are several call outs for tree protection fence. One example is on plan L0.1. The "tree protection " tag points to areas around the construction limit line but there is nothing at the end of the line that resembles the symbol in the site preparation legend for tree protection fence. This is similar on many of the drawings. There is no good way to discern where the tree protection is, Its possible that it blends into the contour lines, contract line and wetland limits. Please provide a clear drawing to help identify the limits for tree protection.

RESPONSE (8): **Plant protection fencing is required for all existing plantings located along the west edge of the work limit line, and north end of the fields access drive. Some sections of this protection fencing may be temporarily removed to install utility connections through the existing plant beds, as indicated on the plans.**

All questions must be **emailed** (not **verbal** or by **phone**) to the consulting Architect/Engineer: Richard Brown, AIA, Principal, Moser Pilon Nelson Architects, Email: rbrown@mpn-arch.com with copies sent to the DAS/CS Project Manager (Dennis G. Tovey, PE, Email: Dennis.Tovey@ct.gov) Construction Administrator, Arcadis U.S., Inc.: Brian Oblon, Email: Brian.Oblon@arcadis-us.com

End of Addendum 3

Mellanee Walton

**Mellanee Walton, Associate Fiscal Administrative Officer
State of Connecticut
Department of Administrative Services, Construction Services
Office of Legal Affairs, Policy, and Procurement
450 Columbus Boulevard, Suite 1302
Hartford, CT 06103**



Bid Phase Meeting Attendance Log

DAS/CS Project Title:	Athletic Field Construction – Ella T. Grasso technical High School		
DAS/CS Project No.:	BI-RT-877A	Meeting Purpose (insert "X" below):	
Date:	February 23, 2021	X	Pre-Bid Meeting
Meeting Start Time:	3:00 PM		Post Bid Review Meeting
Meeting Location:	New Bus Garage		Other:

Name: Dennis G. Tovey	Title: DAS/CS Project Manager
Company/Department: State of CT – Dept. of Adm. Services	E-mail: Dennis.tovey@ct.gov
Street: 450 Columbus Blvd	Phone: 860-306-8689
City/State/Zip Hartford, CT 06103	FAX:

Name: Eileen Eagle	Title: Associate Project Manager
Company/Department: Arcadis US	E-mail: Eileen.eagle@arcadis.com
Street: 213 Court Street, Suite 700	Phone: 860-754-7603
City/State/Zip Middletown, CT 06457	FAX:

Name: Brian Oblon	Title: Associate Vice President
Company/Department: Arcadis US	E-mail: Brian.oblon@arcadis.com
Street: 213 Court Street, Suite 700	Phone: 860-338-7094
City/State/Zip Middletown, CT 06457	FAX:

Name: Richard Brown	Title: Principal
Company/Department: Moser Pilon Nelson	E-mail: rbrown@mpn-arch.com
Street: 30 Jordan Lane	Phone: 860-918-5056
City/State/Zip Wethersfield, CT 06109	FAX:

Name: Herb May	Title: Chief Civil Engineer
Company/Department: Macchi Engineers	E-mail: hmay@macchiengineers.com
Street: 44 Gillett Street	Phone: 860-371-6118
City/State/Zip Hartford, CT 06105	FAX:

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Meeting Location:	New Bus Garage		Other:

Name: Kim Symmonds	Title: Senior Associate – Electrical Engineer
Company/Department: Bemis Associates, LLC	E-mail: kims@bemisassociates.com
Street: 135 Main Street	Phone: 860-667-3233 x 115
City/State/Zip Farmington, CT 06032	FAX:

Name: Gary Guimond	Title: Principal
Company/Department: Richter & Cegan Inc.	E-mail: gguimond@richtercegan.com
Street: 88 Canal Court	Phone: 860-470-5556
City/State/Zip Avon, CT 06001	FAX:

Name: Don Poulin	Title: Chief of Engineering Services
Company/Department: Connecticut Technical Education and Career System	E-mail: Donald.poulin@cttech.org
Street: 39 Woodland St.	Phone: 860-471-0362
City/State/Zip Hartford, CT 06103	FAX:

Name:	Title:
Company/Department:	E-mail:
Street:	Phone:
City/State/Zip	FAX:

Name:	Title:
Company/Department:	E-mail:
Street:	Phone:
City/State/Zip	FAX:

Name:	Title:
Company/Department:	E-mail:
Street:	Phone:
City/State/Zip	FAX:

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Meeting Location:	New Bus Garage		Other:

Name:	Ed Hellaw	Title:	Chief Estimator
Company/Department:	Guerrera Const.	E-mail:	edh@guerreraconstruction.com
Street:	154 Christian St	Phone:	203 888 5069
City/State/Zip	OXFORD, CT 06478	FAX:	

Name:	James Levins	Title:	Superintendent
Company/Department:	Richards Corp	E-mail:	JLevins@richardscorp.com
Street:	72 North Haminton AVE	Phone:	860 585 9224
City/State/Zip	06786 Terryville CT	FAX:	

Name:	Lee Reopell	Title:	Proj Mgr
Company/Department:	CS Fucci Construction	E-mail:	Lreopell@cfucci.com
Street:	63 Russell St	Phone:	203 469 7457
City/State/Zip	New Haven CT 06515	FAX:	203 468 6256

Name:	Gary Pullen	Title:	APM.
Company/Department:	Bouty Builders LLC	E-mail:	gpullen@bbldllc.com
Street:	1059. poBonneck Rd.	Phone:	959. 201-6632
City/State/Zip	GROTON CT. 06340	FAX:	

Name:	JOE BARONE	Title:	Chief Estimator
Company/Department:	MANAFORT - Estimating	E-mail:	JBarone@Manafort.com
Street:	PO Box 99	Phone:	860-982-2294/5786
City/State/Zip	Plainville, CT	FAX:	860-747-6543

Name:	JOE WILKINS	Title:	APM
Company/Department:	BANTON ELECTRIC	E-mail:	jwilkins@bantonconstruction.com
Street:	339 WASHINGTON AVE	Phone:	617-223-1966
City/State/Zip	NORTH HAVEN, CT 06473	FAX:	

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Meeting Location:	New Bus Garage		Other:

Name:	EVAN GERBER	Title:	Estimator
Company/Department:	Gerber Construction Inc.	E-mail:	evan@gerberconstruction.com
Street:	1 Nudmez Drive, Ellington CT 06029	Phone:	860 604 7548
City/State/Zip	Ellington CT 06029	FAX:	

Name:	MICHAEL MAHONEY	Title:	
Company/Department:	MUSCO LIGHTING	E-mail:	mike.mahoney@musco.com
Street:	42 DEER RD	Phone:	860 453 4325
City/State/Zip	Falls Village CT 06031	FAX:	

Name:		Title:	
Company/Department:		E-mail:	
Street:		Phone:	
City/State/Zip		FAX:	

Name:		Title:	
Company/Department:		E-mail:	
Street:		Phone:	
City/State/Zip		FAX:	

Name:		Title:	
Company/Department:		E-mail:	
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City/State/Zip		FAX:	

Name:		Title:	
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Street:		Phone:	
City/State/Zip		FAX:	

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Meeting Location:	New Bus Garage		Other:

Name:	Vincent Parete	Title:	SR Estimator
Company/Department:	Larosa Building Group	E-mail:	vparete@larosabg.com
Street:	163 Research Parkway	Phone:	203 213 8192
City/State/Zip	Meriden CT 06450	FAX:	

Name:	Charlie Hynes	Title:	SR Estimator
Company/Department:	Larosa Building Group	E-mail:	chynes@larosabg.com
Street:	" "	Phone:	203 537-7268
City/State/Zip	" "	FAX:	

Name:	Conor Meyers	Title:	Bus. Develop. Mgr.
Company/Department:	US Pitchcare	E-mail:	conor@uspitchcare.com
Street:	18 Evergreen Rd.	Phone:	860 535 2320
City/State/Zip	Northford CT 06472	FAX:	X

Name:	Zach Caldwell	Title:	Owner
Company/Department:	Thomas Construction	E-mail:	zachary@TheThomasConstruction.com
Street:		Phone:	860 710 5862
City/State/Zip		FAX:	

Name:	Chris Archer	Title:	PM
Company/Department:	Newfield Construction	E-mail:	chrisarcher@newfieldconstruction.com
Street:		Phone:	
City/State/Zip		FAX:	

Name:	CARL ROSA	Title:	P.M
Company/Department:	H.I. STONE & SON INC.	E-mail:	crosa@histoneson.com
Street:	313 MAIN STREET NORTH	Phone:	203-264-8656
City/State/Zip	SOUTHBRURY CT 06488	FAX:	203-264-8555

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Meeting Location:	New Bus Garage		Other:

Name:	Austin Wambolt	Title:	Biz. Dev. man.
Company/Department:	NEYC	E-mail:	A.Wambolt@NEYC LLC
Street:	34 High St	Phone:	203-9855336
City/State/Zip	West Haven CT	FAX:	

LLC
com

Name:		Title:	
Company/Department:		E-mail:	
Street:		Phone:	
City/State/Zip		FAX:	

Name:		Title:	
Company/Department:		E-mail:	
Street:		Phone:	
City/State/Zip		FAX:	

Name:		Title:	
Company/Department:		E-mail:	
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City/State/Zip		FAX:	

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Name:	Wayne France	Title:	Sr PM / Est
Company/Department:	Orlando Annunli & Sons Inc	E-mail:	Wayne@annunli.com
Street:	147 Hale St	Phone:	860 644 2427
City/State/Zip	Manchester CT 06045	FAX:	

Name:	Greg Vesco	Title:	Site Super
Company/Department:	Mountain View Landscapes	E-mail:	Greg@MountainViewInc.com
Street:	67 Old James St	Phone:	(413) 525-9567
City/State/Zip	Chicopee MA, 01020	FAX:	

Name:	Bob Lord	Title:	Sales Rep NE
Company/Department:	ASTRO TURF	E-mail:	BLORDE@ASTROTURF.COM
Street:	32 SAMUEL HARRINGTON RD	Phone:	774-513-0020
City/State/Zip	Westboro, MA 01581	FAX:	

Name:	JCL Construction	Title:	Demo
Company/Department:	Demo	E-mail:	J.lorco2@jclconstruction.com
Street:	81 Rock Creek Rd	Phone:	860 920 9627
City/State/Zip	New Haven CT	FAX:	

Name:	Austin Zacchio	Title:	PM / Estimator
Company/Department:	Empire Paving, Inc	E-mail:	austinz@empirepaving.com
Street:	30 Bernhard Road	Phone:	203-752-0002
City/State/Zip	North Haven, CT 06478	FAX:	

Name:		Title:	
Company/Department:		E-mail:	
Street:		Phone:	
City/State/Zip		FAX:	

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Name:	Title:
Company/Department:	E-mail:
Street:	Phone:
City/State/Zip	FAX:

Name:	Title:
Company/Department:	E-mail:
Street:	Phone:
City/State/Zip	FAX:

Name:	Title:
Company/Department:	E-mail:
Street:	Phone:
City/State/Zip	FAX:

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Company/Department:	E-mail:
Street:	Phone:
City/State/Zip	FAX:

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Name:	ROEL LEGASPI	Title:	ESTIMATOR
Company/Department:	NOSAL BUILDERS, INC.	E-mail:	ROEL@NOSALBUILDERS.COM
Street:	85 FIELDSTONE COURT UNIT 1	Phone:	203-439-9320 x306
City/State/Zip	CHESHIRE, CT 06410	FAX:	

Name:	Franco Sousa	Title:	Estimator
Company/Department:	300 Bostwick AVE	E-mail:	F.Sousa@WatersConst.com
Street:	Bridgeport CT	Phone:	475-319-5657
City/State/Zip		FAX:	

Name:	KEVIN VERRILL	Title:	PARTNER
Company/Department:	Fence Man and Sons	E-mail:	CONTACT@FENCEMANANDSONS.COM
Street:	77 NELKIN RD	Phone:	860 608-9525
City/State/Zip	CHESTER CONN 06415	FAX:	

Name:	Keith Johnson	Title:	PROJECT ENGINEER
Company/Department:	LOURICHO CONTRACTORS	E-mail:	KLJOHNSON@LOURICHO.COM
Street:	100 NORTHWEST DR	Phone:	315-534-3813
City/State/Zip	PLANKVILLE, CT 06062	FAX:	

Name:	BILL LORENZ	Title:	Regional Mgr.
Company/Department:	Act Global Synthetic Turf	E-mail:	blorenz@actglobal.com
Street:	12 Tower Hill DR	Phone:	978-404-1789
City/State/Zip	BOW NH 03304	FAX:	

Name:		Title:	
Company/Department:		E-mail:	
Street:		Phone:	
City/State/Zip		FAX:	

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Meeting Location:	New Bus Garage	<input type="checkbox"/>	Other: _____

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Company/Department:	E-mail:
Street:	Phone:
City/State/Zip	FAX:

Name:	Title:
Company/Department:	E-mail:
Street:	Phone:
City/State/Zip	FAX:

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Company/Department:	E-mail:
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City/State/Zip	FAX:

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Company/Department:	E-mail:
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City/State/Zip	FAX:

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Company/Department:	E-mail:
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City/State/Zip	FAX:

Name:	Title:
Company/Department:	E-mail:
Street:	Phone:
City/State/Zip	FAX:

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Minutes



MEETING TITLE
Pre-Bid Meeting Ella Grasso Athletic Fields

CHAIRPERSON
Dennis Tovey

DATE
02/23/2021

TIME
3pm

ORGANIZER
Dennis Tovey
Dennis.tovey@ct.gov

OUR REF
BI-RT-877A

LOCATION
Bus Garage

COPIES TO
DAS – State of CT, Arcadis, Design Consultants, issued in Addendum 3

PARTICIPANTS
See attached sign in list.

Summary

1. Introductions of the team: State of CT, Arcadis, and Design Consultants.
- 1.1 Spoke about the Upper and Lower Athletic Fields. Upper field consists of Football, Lacrosse, and Soccer on a synthetic turf field with a surrounding track, bleachers, and a press box. Lower field consists of baseball and softball grass fields. Both upper and lower fields have Masonry, Concrete, and Asphalt components. Each field has a small storage/bathroom building.
- 1.2 Storm Water and E&S Controls on plans are minimum requirements. The Contractor will be responsible for any additional E&S measures as necessary. The permit for the Storm Water Pollution Control Plan has been obtained and will be transferred to the awarded contractor.

WHO

- Dennis Tovey
- Rich Brown
- Herb May

FIRM

- Owner - State of CT PM
- MPN
- Machi Engineers

Track & Field requirements. The synthetic turf is a dual-fiber turf with coated sand infill over a shock pad, over a free-draining stone base. Infiltration testing of the stone base prior to turf system being installed. After turf system is installed, contractor required to perform GMax Testing, HIC Testing, and Vertical Deformation Testing of the turf field surface. For the track, no recycled asphalt content is allowed and a minimum 21-day curing time is required prior to track surface installation. The surface is a 1/2" base mat track. Upon completion of the track a certificate of accuracy of all track markings and measurements is required.

Bleacher and Press Box: Plans and Specifications are for reference as the basis of design. Submission requirements

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for structural calculations and shop drawings are required to be signed and sealed by a licensed professional engineer.

Lower Fields: Federal and State permitting has not been obtained yet. Construction cannot begin till June 1, 2021. In the event the permits are obtained before then the contractor possibly may be able to begin earlier. Additional coordination efforts are required for mentioned permits. Contractor is required to include the services of an Environmental Specialist and State approved Horticulturalist. Prior to any work bead grass and wetlands are required to be enclosed with temporary orange construction fencing. All transplanting would need to be done by hand and specific sequencing for transplanting is required. There are two types of wetlands mitigation Woody and Herbaceous.

- | | | | |
|------|--|--------------|------------------------|
| 1.3. | Landscaping: Upper fields have two plateaus. Work includes parking, sidewalk connections, stairway, ramps, two retaining walls the north side wall has brick face, south side wall is exposed cast in place concrete. Large soil stockpile on upper field area to be removed from site and contains some contaminated/polluted soils. Tree plantings on outside edges. Slopes have conservation seed mix other areas are lawn. Upper field area also has concrete walks and vehicle guiderail. | Gary Guimond | Richter Cegan |
| 1.4 | Electrical/HVAC: The lower fields have minimal site lighting, 100-amp service for the storage/bathroom building and plumbing and exhaust in the storage/bathroom building. The upper fields have a 400-amp service and basic HVAC, plumbing, and electrical for the storage/bathroom building. New site lighting is an extension of the existing site lighting and is powered from the School building. The Athletic field lighting is 70' high poles with 13' deep auger drilled foundations. The Athletic Field lighting controls are wireless. The Athletic Field lighting poles have FAA obstruction lights on them that are fed from the School building emergency power. The FAA obstruction lights must be operational as soon as the Athletic Field light poles are erected. | Kim Symmonds | Bemis |
| 1.5 | Documents: Project has identified certain volumes of polluted/contaminated soil which will require additional work, carry number in the bid. The GC will be expected to provide a fulltime Superintendent onsite with a trailer. The Division 00 requirements have changes and are more complicated. There is a lot of information to provide, begin uploading this | Dennis Tovey | Owner - State of CT PM |

information. No extension of this bid is anticipated at this time. Division 01 specifications are being reissued due to pagination issues. Please identify the Masonry, Electrical, Plumbing subcontractors in your bid. Lower field work if approved begins June 1st and seeding must be completed by 10/15/2021 providing 4.5 months to complete the work.

- 1.7 Bid Documents: Bidding a State of Connecticut project online is time consuming. Give yourself plenty of time to upload documents. If you do not have a State ID get registered now. Do not duplicate companies or it will complicate matters.

Brian Oblon ARCADIS

2. Questions:

Attending Contractors Team answered

a. Were any soil borings done in the bleacher section?

Answer: The survey shows all the borings that were completed.

b. Is a fulltime PM required? Answer: Upon further review, refer to section 00 72 13 Article 4.9 and 4.10.

c. Is the project for the field bonded? Answer: The funding is in place for the project.

d. There is a discrepancy in the soil volumes between the ATC report and the drawings which is correct? Answer: This is answered in the upcoming Addendum 2.

e. Is there any irrigation required for the fields? Answer: No irrigation, but there is under drainage.

f. What will be the determining factor for the basis of award? Answer: Not sure. It will need to be evaluated based upon the dollar value of the bids received.

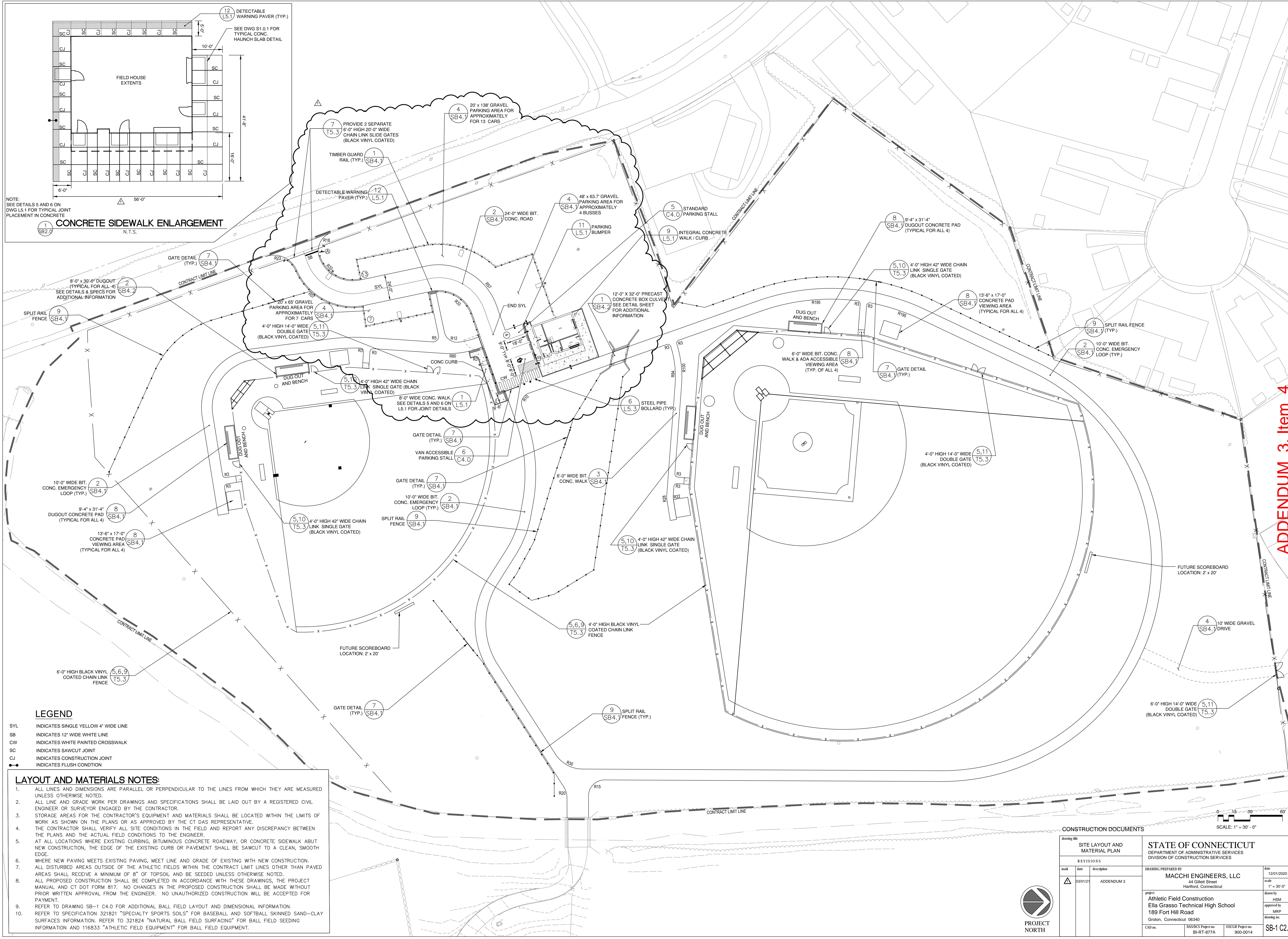
g. Are the grades certified? Answer: No, the grades reflect the current as-built conditions, they are not surveyed.

Thank you for your time. Brian offered to walk with anyone interested to see the upper fields. Meeting Closed.

Brian Oblon ARCADIS

Enc. Pre-Bid Meeting Agenda, Participant sign-in list

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NOTE: SEE DETAILS 5 AND 6 ON DWG L5.1 FOR TYPICAL JOINT PLACEMENT IN CONCRETE

CONCRETE SIDEWALK ENLARGEMENT
N.T.S.

LEGEND

SYL INDICATES SINGLE YELLOW 4" WIDE LINE
 SB INDICATES 12" WIDE WHITE LINE
 CW INDICATES WHITE PAINTED CROSSWALK
 SC INDICATES SAWCUT JOINT
 CJ INDICATES CONSTRUCTION JOINT
 ● INDICATES FLUSH CONDITION

LAYOUT AND MATERIALS NOTES:

- ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE NOTED.
- ALL LINE AND GRADE WORK PER DRAWINGS AND SPECIFICATIONS SHALL BE LAID OUT BY A REGISTERED CIVIL ENGINEER OR SURVEYOR ENGAGED BY THE CONTRACTOR.
- STORAGE AREAS FOR THE CONTRACTOR'S EQUIPMENT AND MATERIALS SHALL BE LOCATED WITHIN THE LIMITS OF WORK AS SHOWN ON THE PLANS OR AS APPROVED BY THE CT DAS REPRESENTATIVE.
- THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCY BETWEEN THE PLANS AND THE ACTUAL FIELD CONDITIONS TO THE ENGINEER.
- AT ALL LOCATIONS WHERE EXISTING CURBING, BITUMINOUS CONCRETE ROADWAY, OR CONCRETE SIDEWALK ABOUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAWCUT TO A CLEAN, SMOOTH EDGE.
- WHERE NEW PAVING MEETS EXISTING PAVING, MEET LINE AND GRADE OF EXISTING WITH NEW CONSTRUCTION.
- ALL DISTURBED AREAS OUTSIDE OF THE ATHLETIC FIELDS WITHIN THE CONTRACT LIMIT LINES OTHER THAN PAVED AREAS SHALL RECEIVE A MINIMUM OF 8" OF TOPSOIL AND BE SEEDED UNLESS OTHERWISE NOTED.
- ALL PROPOSED CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THESE DRAWINGS, THE PROJECT MANUAL AND CT DOT FORM 817. NO CHANGES IN THE PROPOSED CONSTRUCTION SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER. NO UNAUTHORIZED CONSTRUCTION WILL BE ACCEPTED FOR PAYMENT.
- REFER TO DRAWING SB-1 C4.0 FOR ADDITIONAL BALL FIELD LAYOUT AND DIMENSIONAL INFORMATION.
- REFER TO SPECIFICATION 321821 "SPECIALTY SPORTS SOILS" FOR BASEBALL AND SOFTBALL SKINNED SAND-CLAY SURFACES INFORMATION. REFER TO 321824 "NATURAL BALL FIELD SURFACING" FOR BALL FIELD SEEDING INFORMATION AND 116833 "ATHLETIC FIELD EQUIPMENT" FOR BALL FIELD EQUIPMENT.

ADDENDUM_3, Item_4

CONSTRUCTION DOCUMENTS

SCALE: 1" = 30'-0"

DATE	DESCRIPTION
03/01/24	ADDENDUM 3

STATE OF CONNECTICUT
 DEPARTMENT OF ADMINISTRATIVE SERVICES
 DIVISION OF CONSTRUCTION SERVICES

DRAWING PREPARED BY: **MACCHI ENGINEERS, LLC**
 44 Gilbert Street
 Hartford, Connecticut

PROJECT: **Athletic Field Construction**
 Ella Grasso Technical High School
 189 Fort Hill Road
 Groton, Connecticut 06340

CAD no. BI-RT-877A BASICS Project no. 900-0014 OSCEG Project no. 900-0014

DATE: 12/01/2020
 SCALE: 1" = 30'-0"
 DRAWN BY: HSM
 APPROVED BY: MRP
 DRAWING NO: SB-1 C2.0



UTILITY NOTES:

- 1. ALL UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH EACH UTILITY COMPANY'S REGULATIONS. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE RESPECTIVE UTILITY COMPANY (TOWN OF GROTON, EVERSOURCE, FRONTIER, ETC.)
- 2. UTILITY INFORMATION SHOWN IS TAKEN FROM UTILITY MAPS AND LIMITED FIELD INFORMATION. CONTRACTOR IS RESPONSIBLE FOR FINAL VERIFICATION OF UTILITY LOCATIONS AFFECTING THE PROPOSED WORK AND ANY ASSOCIATED FIELD MODIFICATIONS. TEST PITS ARE REQUIRED AND SHALL BE INCLUDED. ANY MODIFICATION TO THE WORK OUTLINED IN THESE PLANS OR THE PROJECT SPECIFICATIONS SHALL BE TO THE SATISFACTION OF THE ENGINEER.
- 3. THE SITE CONTRACTOR SHALL PROVIDE ALL PLUMBING CONNECTION APPURTENANCES, (FITTINGS, REDUCERS, ENLARGERS, WYES, TEES, ETC.) AS REQUIRED TO MAKE THE NECESSARY CONNECTIONS. REFER TO BUILDING PLUMBING PLANS FOR ADDITIONAL UTILITY INFORMATION.
- 4. SITE ELECTRICAL AND LIGHTING IS SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL PLANS, DETAILS, AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 5. CONTACT CALL BEFORE YOU DIG (811) AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION AND AS EACH UTILITY IS TO BE INSTALLED. IN THE EVENT CALL BEFORE YOU DIG IS UNABLE TO LOCATE THE UTILITIES IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HIRE A PRIVATE UTILITY LOCATING COMPANY AT NO COST TO THE OWNER.
- 6. ALL EXISTING MANHOLE FRAMES AND COVERS, UTILITY BOXES AND VALVE COVERS SHALL BE ADJUSTED TO FINAL GRADE AS REQUIRED.
- 7. ALL EXISTING UTILITIES SYSTEMS SHALL REMAIN IN OPERATION UNTIL NEW STORM DRAINAGE SYSTEM HAS BEEN INSTALLED.

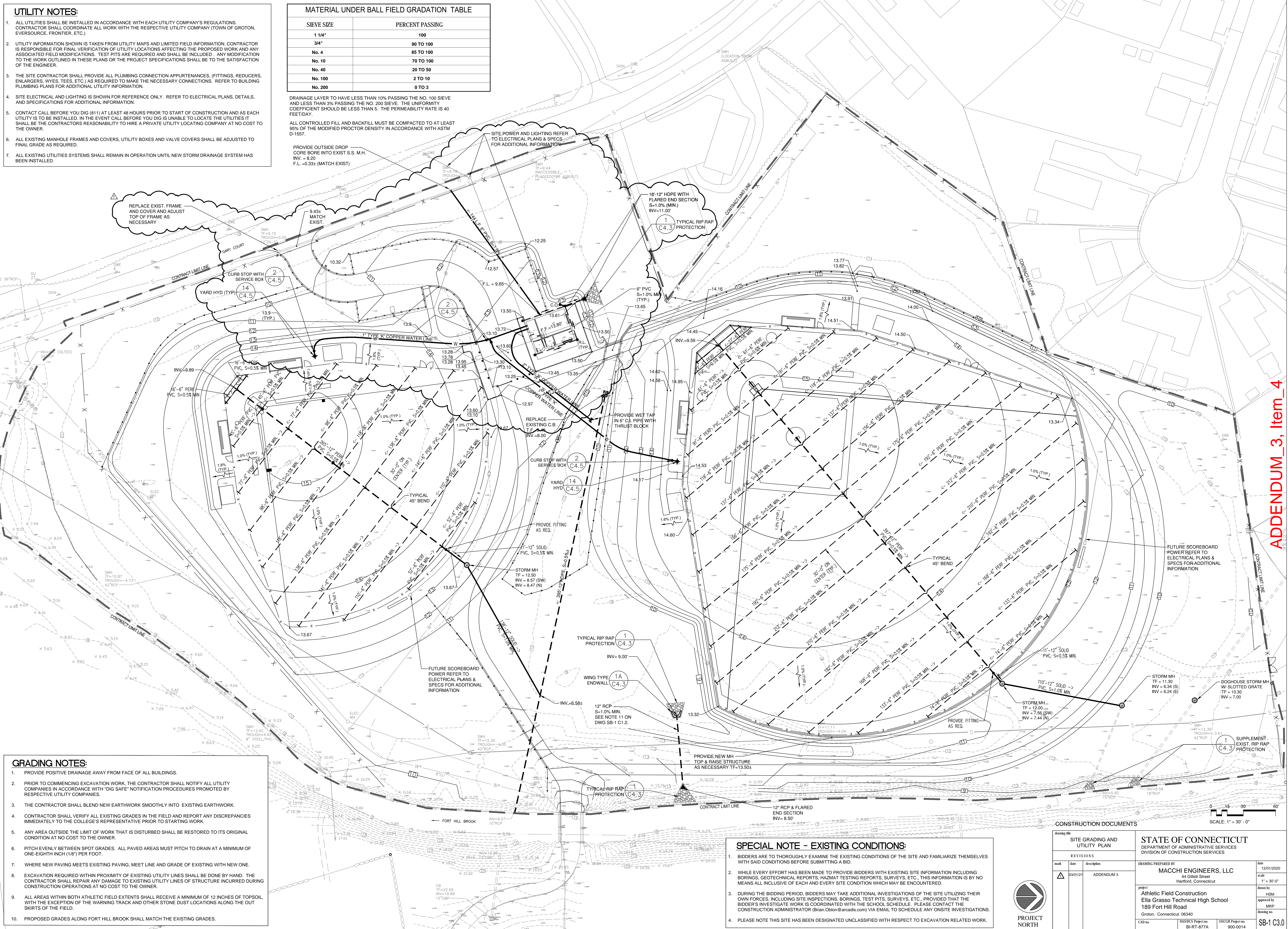
MATERIAL UNDER BALL FIELD GRADATION TABLE

SIEVE SIZE	PERCENT PASSING
1 1/4"	100
3/4"	90 TO 100
No. 4	85 TO 100
No. 10	70 TO 100
No. 40	20 TO 50
No. 100	2 TO 10
No. 200	0 TO 3

DRAINAGE LAYER TO HAVE LESS THAN 10% PASSING THE NO. 100 SIEVE AND LESS THAN 3% PASSING THE NO. 200 SIEVE. THE UNIFORMITY COEFFICIENT SHOULD BE LESS THAN 5. THE PERMEABILITY RATE IS 40 FEET/DAY.

ALL CONTROLLED FILL AND BACKFILL MUST BE COMPACTED TO AT LEAST 95% OF THE MODIFIED PROCTOR DENSITY IN ACCORDANCE WITH ASTM D-1557.

PROVIDE OUTSIDE DROP CORE BORE INTO EXIST S.S. M.H. INV. = 8.20 F.L. ±0.33± (MATCH EXIST)



GRADING NOTES:

- 1. PROVIDE POSITIVE DRAINAGE AWAY FROM FACE OF ALL BUILDINGS.
- 2. PRIOR TO COMMENCING EXCAVATION WORK, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN ACCORDANCE WITH "DIG SAFE" NOTIFICATION PROCEDURES PROMOTED BY RESPECTIVE UTILITY COMPANIES.
- 3. THE CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY INTO EXISTING EARTHWORK.
- 4. CONTRACTOR SHALL VERIFY ALL EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE COLLEGE'S REPRESENTATIVE PRIOR TO STARTING WORK.
- 5. ANY AREA OUTSIDE THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO THE OWNER.
- 6. PITCH EVENLY BETWEEN SPOT GRADES. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MINIMUM OF ONE-EIGHTH INCH (1/8") PER FOOT.
- 7. WHERE NEW PAVING MEETS EXISTING PAVING, MEET LINE AND GRADE OF EXISTING WITH NEW ONE.
- 8. EXCAVATION REQUIRED WITHIN PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OF STRUCTURE INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER.
- 9. ALL AREAS WITHIN BOTH ATHLETIC FIELD EXTENTS SHALL RECEIVE A MINIMUM OF 12 INCHES OF TOPSOIL, WITH THE EXCEPTION OF THE WARNING TRACK AND OTHER STONE DUST LOCATIONS ALONG THE OUT SKIRTS OF THE FIELD.
- 10. PROPOSED GRADES ALONG FORT HILL BROOK SHALL MATCH THE EXISTING GRADES.

SPECIAL NOTE - EXISTING CONDITIONS:

- 1. BIDDERS ARE TO THOROUGHLY EXAMINE THE EXISTING CONDITIONS OF THE SITE AND FAMILIARIZE THEMSELVES WITH SAID CONDITIONS BEFORE SUBMITTING A BID.
- 2. WHILE EVERY EFFORT HAS BEEN MADE TO PROVIDE BIDDERS WITH EXISTING SITE INFORMATION INCLUDING BORINGS, GEOTECHNICAL REPORTS, HAZMAT TESTING REPORTS, SURVEYS, ETC., THIS INFORMATION IS BY NO MEANS ALL INCLUSIVE OF EACH AND EVERY SITE CONDITION WHICH MAY BE ENCOUNTERED.
- 3. DURING THE BIDDING PERIOD, BIDDERS MAY TAKE ADDITIONAL INVESTIGATIONS OF THE SITE UTILIZING THEIR OWN FORCES, INCLUDING SITE INSPECTIONS, BORINGS, TEST PITS, SURVEYS, ETC., PROVIDED THAT THE BIDDERS' INVESTIGATE WORK IS COORDINATED WITH THE SCHOOL SCHEDULE. PLEASE CONTACT THE CONSTRUCTION ADMINISTRATOR (Brian.Obrien@arcadis.com) VIA EMAIL TO SCHEDULE ANY ONSITE INVESTIGATIONS.
- 4. PLEASE NOTE THIS SITE HAS BEEN DESIGNATED UNCLASSIFIED WITH RESPECT TO EXCAVATION RELATED WORK.



CONSTRUCTION DOCUMENTS

SCALE: 1" = 30'-0"

DATE	DESCRIPTION
03/01/24	ADDENDUM 3

STATE OF CONNECTICUT
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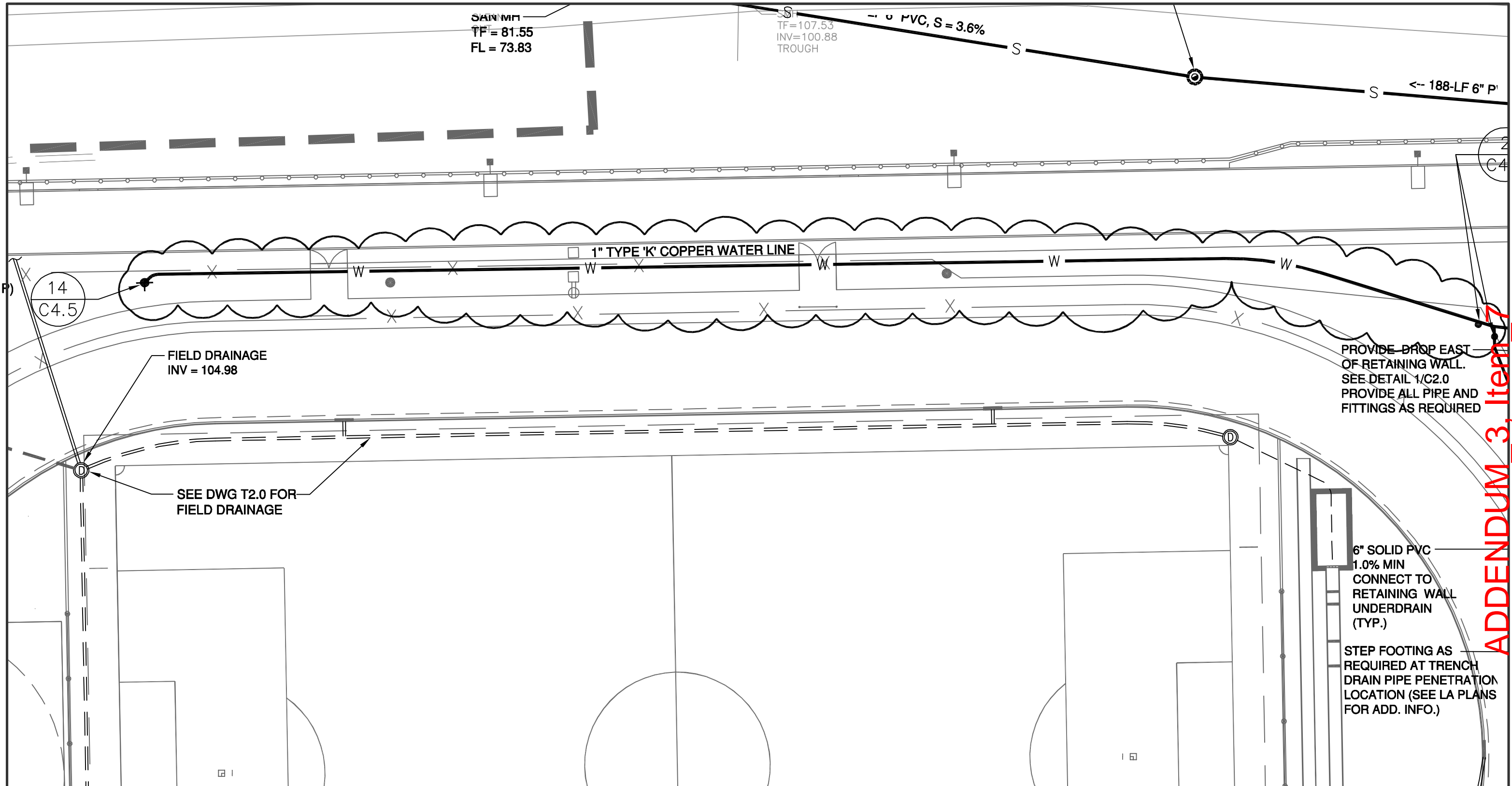
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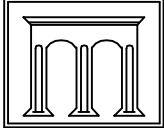
CAD: [blank] BASICS Project no.: BI-RT-877A USCAR Project no.: 900-0014

DATE: 12/01/2020
SCALE: 1" = 30'-0"
DRAWN BY: HSM
APPROVED BY: MRP
DRAWING NO.: SB-1.C3.0

ADDENDUM_3_Item_4



ADDENDUM 3, Item 7



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DAS/DCS project no. BI-RT-877A OSCGR project no. 900-0014
 PROJECT TITLE

**ATHLETIC FIELD CONSTRUCTION
 GRASSO TECHNICAL HIGH SCHOOL**

SKETCH TITLE **REVISED 1" TYPE K COPPER WATER LINE LOCATION**

DATE 03/01/2021
 COPYRIGHT
 Moser Pilon Nelson Architects
 SCALE: 1" = 30'-0"
 SKETCH NO.
SK-C2.0-1