

95% PERMITTING DOCUMENTS

Milton High School - Lower Field Improvements

Milton, Massachusetts

February 9, 2023

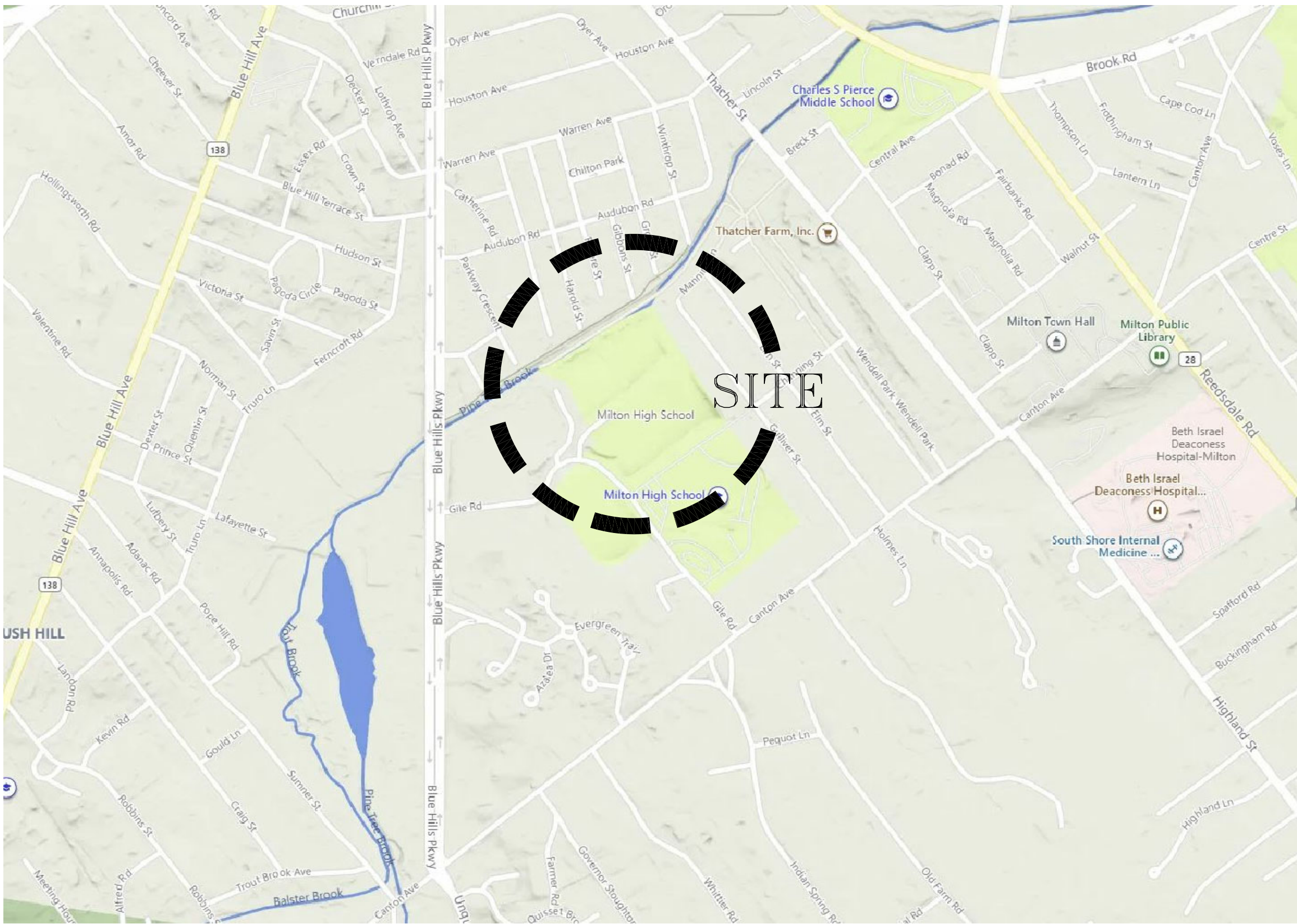
OWNER:
Town of Milton
525 Canton Avenue
Milton, Massachusetts 02186



LIST OF DRAWINGS:

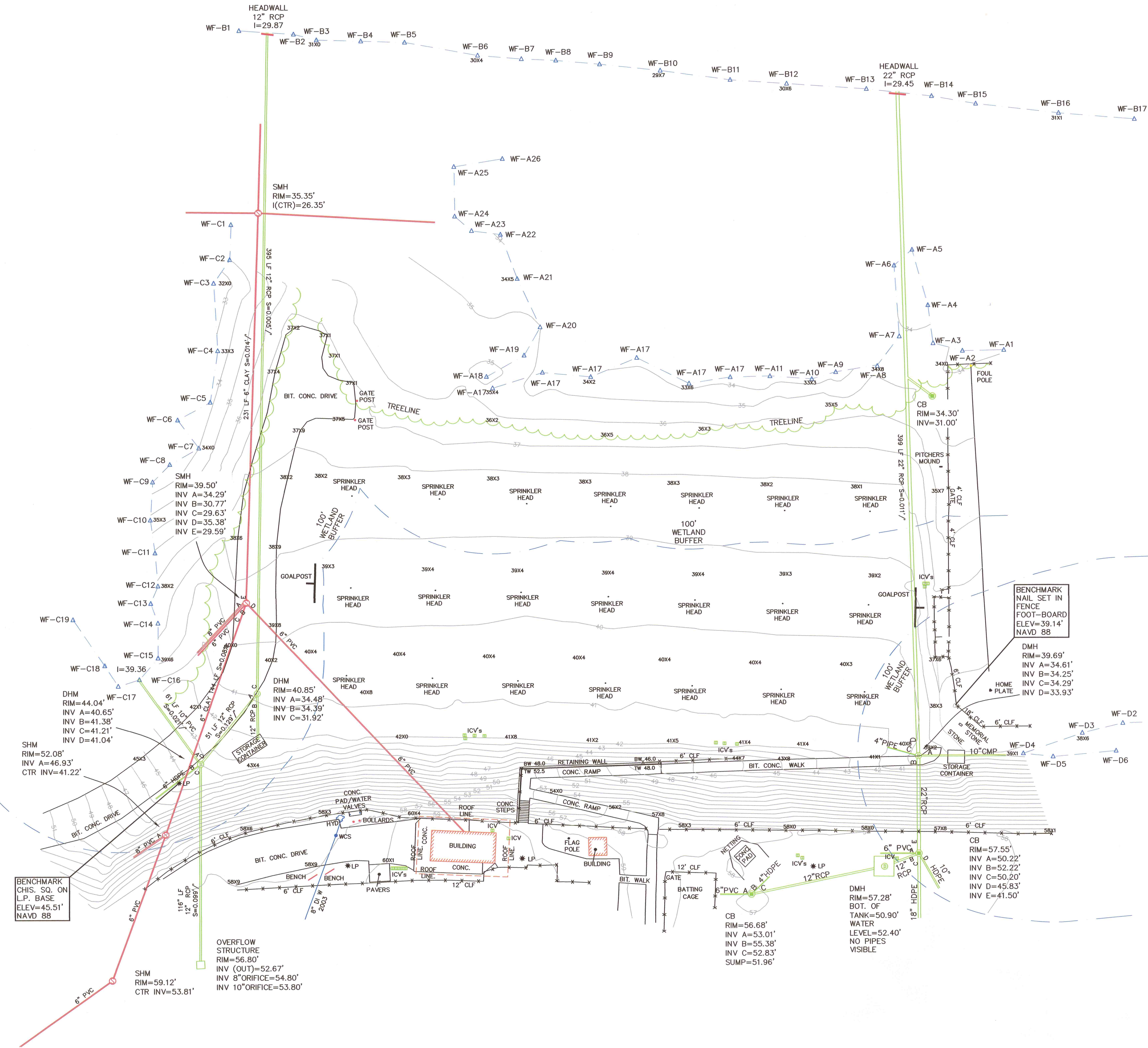
- S-1 EXISTING CONDITIONS PLAN
- SP-1 SITE PREPARATION PLAN
- L-1 LAYOUT & MATERIALS PLAN
- L-2 GRADING & DRAINAGE PLAN
- L-3 LANDSCAPE & PLANTING PLAN
- L-4 ATHLETIC FIELD DETAILS
- L-5 CONSTRUCTION DETAILS
- L-6 CONSTRUCTION DETAILS
- L-7 SEATING AREA CROSS-SECTION

LOCUS PLAN

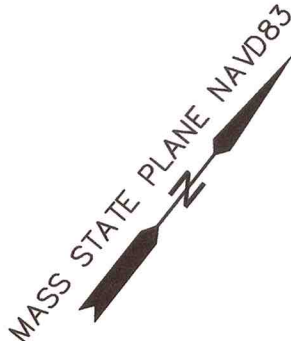


LANDSCAPE ARCHITECT:
Huntress Associates, Inc.
17 Tewksbury Street
Andover, Massachusetts 01810
978.470.8882





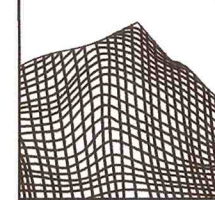
- NOTES:
1. THE LOCATION OF EXISTING PIPES, CONDUITS, AND OTHER UNDERGROUND UTILITIES ARE NOT WARRANTED TO BE CORRECT AND ARE SHOWN BASED ON CONTRACTOR'S RECORDS, INFORMATION AVAILABLE AT THE TOWN ENGINEERING DEPARTMENT, AND THE BEST APPROXIMATION OF THE ACTUAL LOCATION FROM A FIELD SURVEY.
 2. CONTRACTORS SHALL VERIFY ALL UNDERGROUND UTILITIES, CONDUITS, PIPES, ETC., AND NOTIFY DIGSAFE PRIOR TO ANY EXCAVATIONS.
 3. WETLANDS DELINEATED BY EPSILON ASSOCIATES ON JULY 15, 2021. LOCATED BY A FIELD SURVEY.



EXISTING CONDITIONS PLAN

MILTON HIGH SCHOOL
in
MILTON, MA
Prepared For
HUNTRESS SPORTS
17 TEWKSBURY STREET
ANDOVER, MA 01810

Marchionda
& Associates, L.P.



Engineering and
Planning Consultants

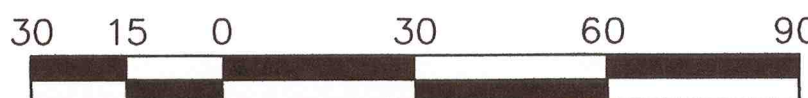
62 Montvale Avenue
Suite 1
Stoneham, MA 02180
TEL: (781) 438-6121
FAX: (781) 438-9654
Email: engineering@marchionda.com
Website: www.marchionda.com

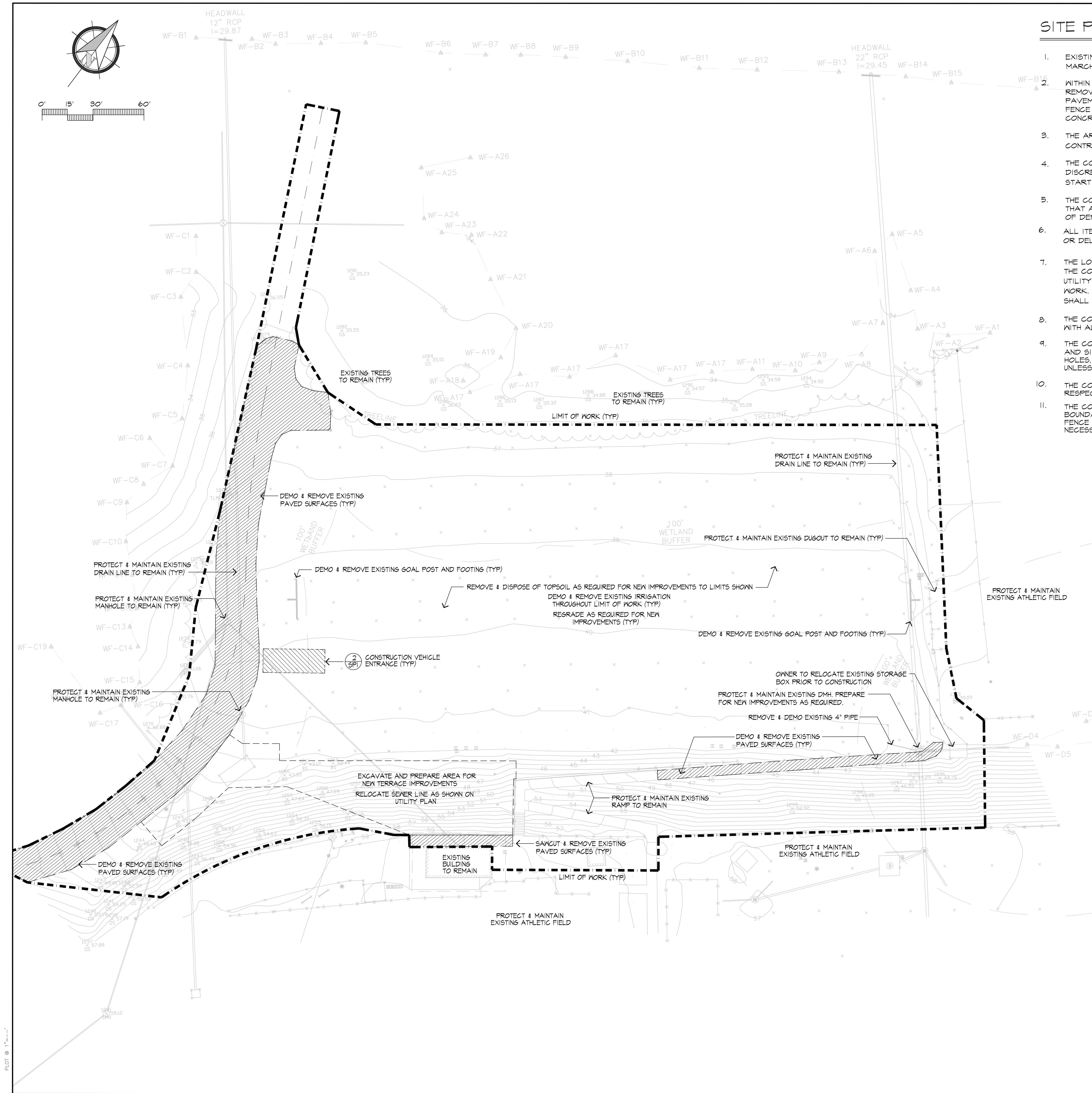
DATE: 8/5/2021

M. & A. NO.: 670-35

SCALE: 1"=30'

SHEET 1 OF 1

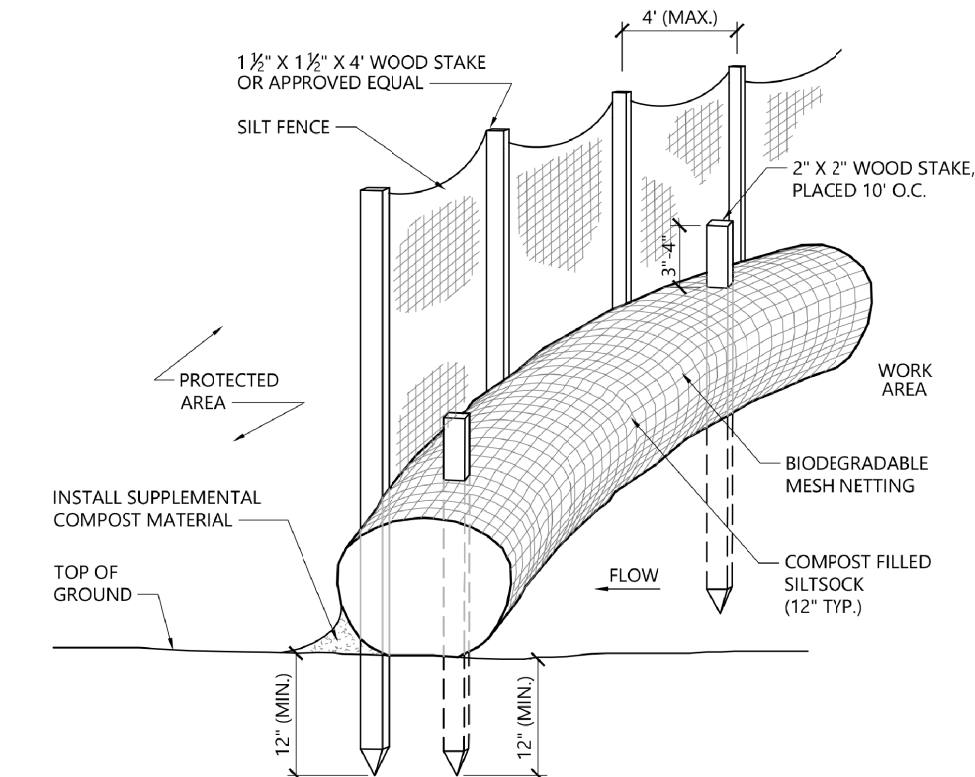




SITE PREPARATION NOTES

- EXISTING CONDITIONS INFORMATION IS REPRODUCED FROM THE SURVEY PREPARED BY MARCHIONDA ASSOCIATES LP - DATED AUGUST 5, 2021.
- WITHIN THE LIMIT OF THE WORK LINE AS NOTED ON THE SITE PREPARATION PLANS, REMOVE AND DISCARD ALL CONCRETE PAVEMENT, BITUMINOUS CONCRETE PAVEMENT, BRICK PAVEMENT, TOP SOIL, MULCH, TRASH, DEAD TREES AND STUMPS, SHRUBBERY, CHAIN LINK FENCE POSTS, RAILS, FABRIC, GATES, FOOTINGS AND ALL APPURTENANCES, BOLLARDS, POSTS, CONCRETE FOOTINGS AND FOUNDATIONS, WALLS AND CURBS UNLESS OTHERWISE NOTED.
- THE ARCHITECT SHALL BE CONSULTED AND WILL REVIEW THE WORK ON SITE WITH THE CONTRACTOR BEFORE ANY WORK SHALL COMMENCE.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES BETWEEN PLANS AND ACTUAL CONDITIONS TO THE ARCHITECT PRIOR TO STARTING WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING CONDITIONS TO REMAIN THAT ARE DUE TO CONTRACTOR OPERATIONS AND WHICH ARE INSIDE OR OUTSIDE THE LIMIT OF DEMOLITION.
- ALL ITEMS TO BE REMOVED THAT ARE NOT STOCKPILED FOR LATER REUSE ON THE PROJECT OR DELIVERED TO THE OWNER SHALL BE LEGALLY DISPOSED OF OFF SITE BY THE CONTRACTOR.
- THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE DIAGRAMMATIC ONLY. THE CONTRACTOR SHALL CONTACT DIGSAFE AND THE PROPER LOCAL AUTHORITIES OR RESPECTIVE UTILITY COMPANIES TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO FAILURE OF THE CONTRACTOR TO CONTACT THE PROPER AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS EFFORTS OF THE DEMOLITION WITH ALL TRADES.
- THE CONTRACTOR SHALL MAINTAIN OR ADJUST TO NEW FINISH GRADE AS NECESSARY ALL UTILITY AND SITE STRUCTURES SUCH AS LIGHT POLES, SIGN POLES, MAN HOLES, CATCH BASINS, HAND HOLES, WATER AND GAS GATES, HYDRANTS, ETC., FROM MAINTAINED UTILITY AND SITE SYSTEMS UNLESS OTHERWISE NOTED OR DIRECTED BY THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL COORDINATE ALL ADJUSTMENT OR ABANDONMENT OF UTILITIES WITH THE RESPECTIVE UTILITY COMPANY.
- THE CONTRACTOR SHALL PROVIDE 6' CHAIN LINK CONSTRUCTION FENCE ALONG THE LIMIT-OF-WORK BOUNDARY AS NECESSARY TO SECURE THE SITE THROUGHOUT CONSTRUCTION. EXISTING CHAIN-LINK FENCE MAY BE USED FOR THIS PURPOSE. THE GC SHALL PROVIDE ADDITIONAL FENCE AND GATES AS NECESSARY TO SECURE THE SITE AT NO ADDITIONAL COST TO THE OWNER.

NOTE:
PROVIDE AND INSTALL 3' WOODEN STAKES AT 6' ON CENTER, MIN.
STAKES TO BE DRIVEN AT LEAST 12" INTO THE GROUND.
PROVIDE, INSTALL & MAINTAIN MULCH SOCK AT LIMIT OF WORK THROUGHOUT CONSTRUCTION.

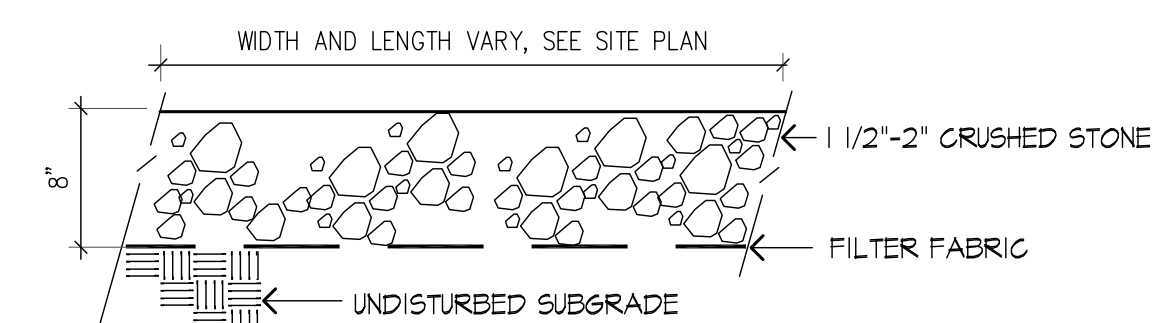


NOTES

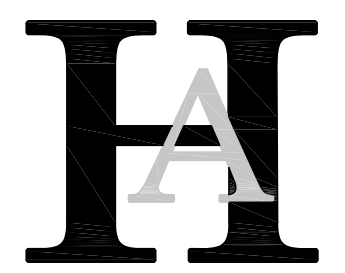
- SILT SOCK SHALL BE FILTREXX SILT SOCK, OR APPROVED EQUAL.
- SILT SOCKS SHALL OVERLAP A MINIMUM OF 12 INCHES.
- SILT SOCK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.
- COMPOST MATERIAL SHALL BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.
- IF NON BIODEGRADABLE NETTING IS USED THE NETTING SHALL BE COLLECTED AND DISPOSED OF OFFSITE.

1 MULCH SOCK WITH SILTATION BARRIER SCALE: N.T.S.

SP-HBS.2



2 CONSTRUCTION ENTRANCE SCALE: 1"=1'-0"



Huntress Associates, Inc.

Landscape Architecture & Land Planning

**17 Tewksbury Street
Andover, Massachusetts 01810
978 470 8882 FAX 978 470 8890**

Project:

**Milton High School
Lower Field**

Milton, Massachusetts

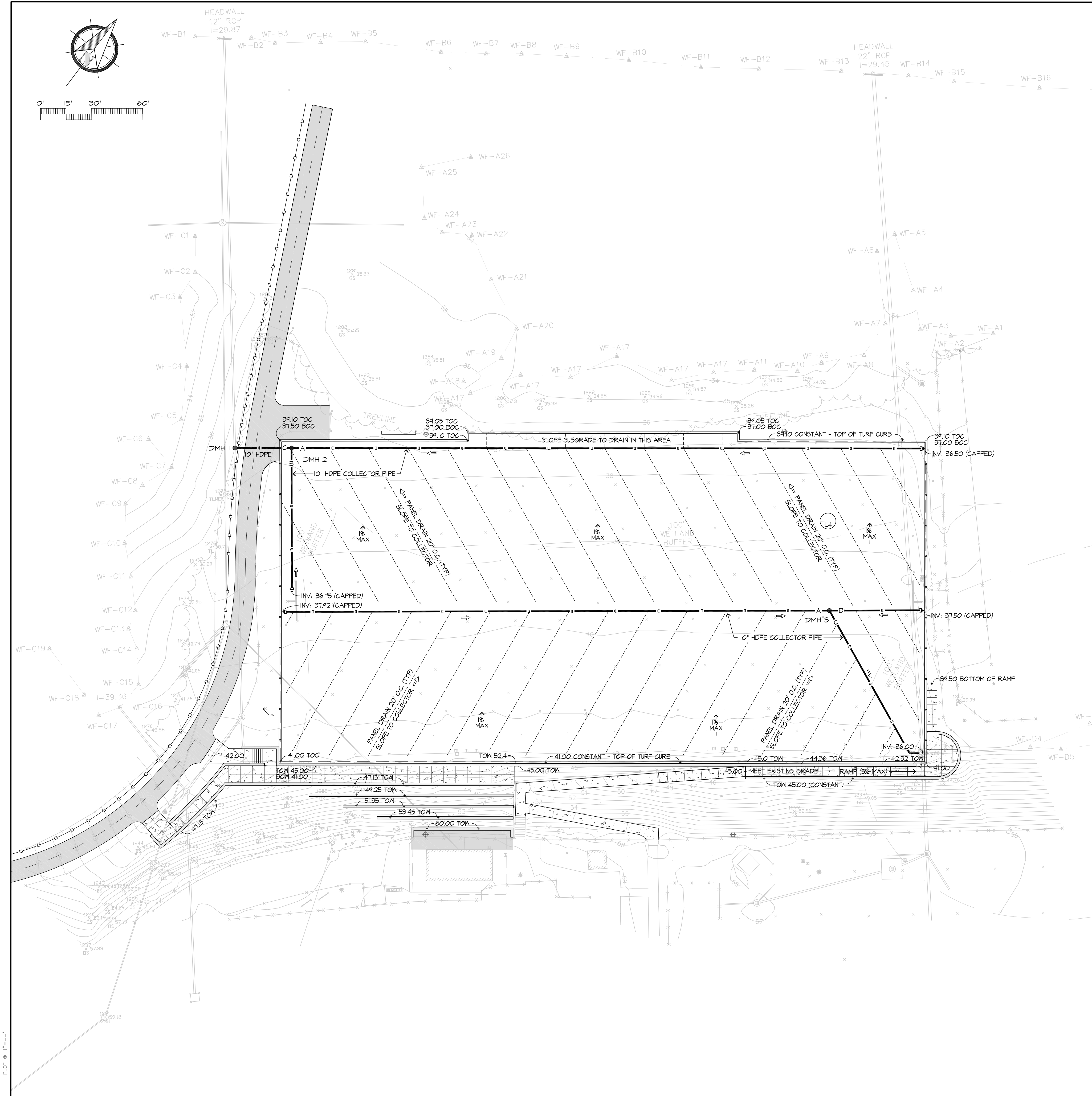
Drawing Title:

**Multi-Purpose Field
Site Preparation**

Revision Date

Scale: 1" = 30'
Date: 2.9.23
Job: 00-107
File: PR-det
Drawn: CCH
Checked: --

Drawing No.
Sp-1
of
1

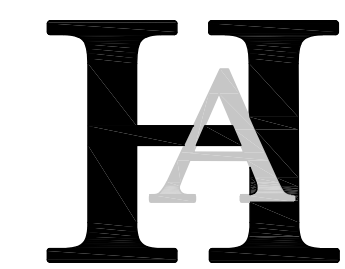


GRADING & UTILITY NOTES

1. TOPOGRAPHIC PLAN OF LAND IN MILTON, MASSACHUSETTS, PREPARED BY MARCHIONDA ASSOCIATES LP OF STONEHAM, MASS. DATED AUGUST 5, 2021
2. PRIOR TO THE START OF ANY EXCAVATION FOR THE PROJECT BOTH ON AND OFF THE SITE, THE CONTRACTOR SHALL NOTIFY DISSAFE AND BE PROVIDED WITH A DISSAFE NUMBER INDICATING THAT ALL EXISTING UTILITIES HAVE BEEN LOCATED AND MARKED.
3. WHERE PROPOSED GRADES MEET EXISTING GRADES, CONTRACTOR SHALL BLEND GRADES TO PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING AND NEW WORK. FONDING AT TRANSITION AREAS WILL NOT BE ALLOWED.
4. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL ATHLETIC FIELDS
5. MAXIMUM SLOPE IN DISTURBED AREAS SHALL NOT EXCEED 3:1, UNLESS OTHERWISE NOTED.
6. ENSURE ALL EXISTING (TO REMAIN), AND PROPOSED MANHOLE COVERS PROPERLY IDENTIFY UTILITY SERVICED.
7. CONTRACTOR SHALL VERIFY EXISTING GRADES AND NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.
8. BITUMINOUS CONCRETE ELEVATIONS AT CATCH BASINS TO BE 1/4 INCH ABOVE RIM ELEVATION SHOWN FOR CATCH.
9. CONTRACTOR TO ADJUST UTILITY ELEMENT MEANT TO BE FLUSH WITH GRADE (CLEAN-OUTS, UTILITY MANHOLES, CATCH BASINS, INLETS, ETC) THAT IS AFFECTED BY SITE WORK OR GRADE CHANGES, WHETHER SPECIFICALLY NOTED ON PLANS OR NOT.
10. SCREENED IMAGES SHOW EXISTING CONDITIONS. WHERE EXISTING CONDITIONS LIE UNDER OR ARE IMPINGED UPON BY PROPOSED BUILDINGS AND/OR SITE ELEMENTS, THE EXISTING CONDITION WILL BE REMOVED, ABANDONED AND/OR CAPPED OR DEMOLISHED AS REQUIRED.

DRAIN STRUCTURE SCHEDULE

NAME	RIM	INV 'A'	INV 'B'	INV 'C'	NOTES
DMH #1	37.25	33.00	-	-	-
DMH #2	39.10	34.50	34.50	33.50	-
DMH #3	40.10	36.00	36.00	35.75	-



Huntress Associates, Inc.

Landscape Architecture & Land Planning

17 Tewksbury Street
Andover, Massachusetts 01810
978 470 8882 FAX 978 470 8890

Project:

**Milton High School
Lower Field**

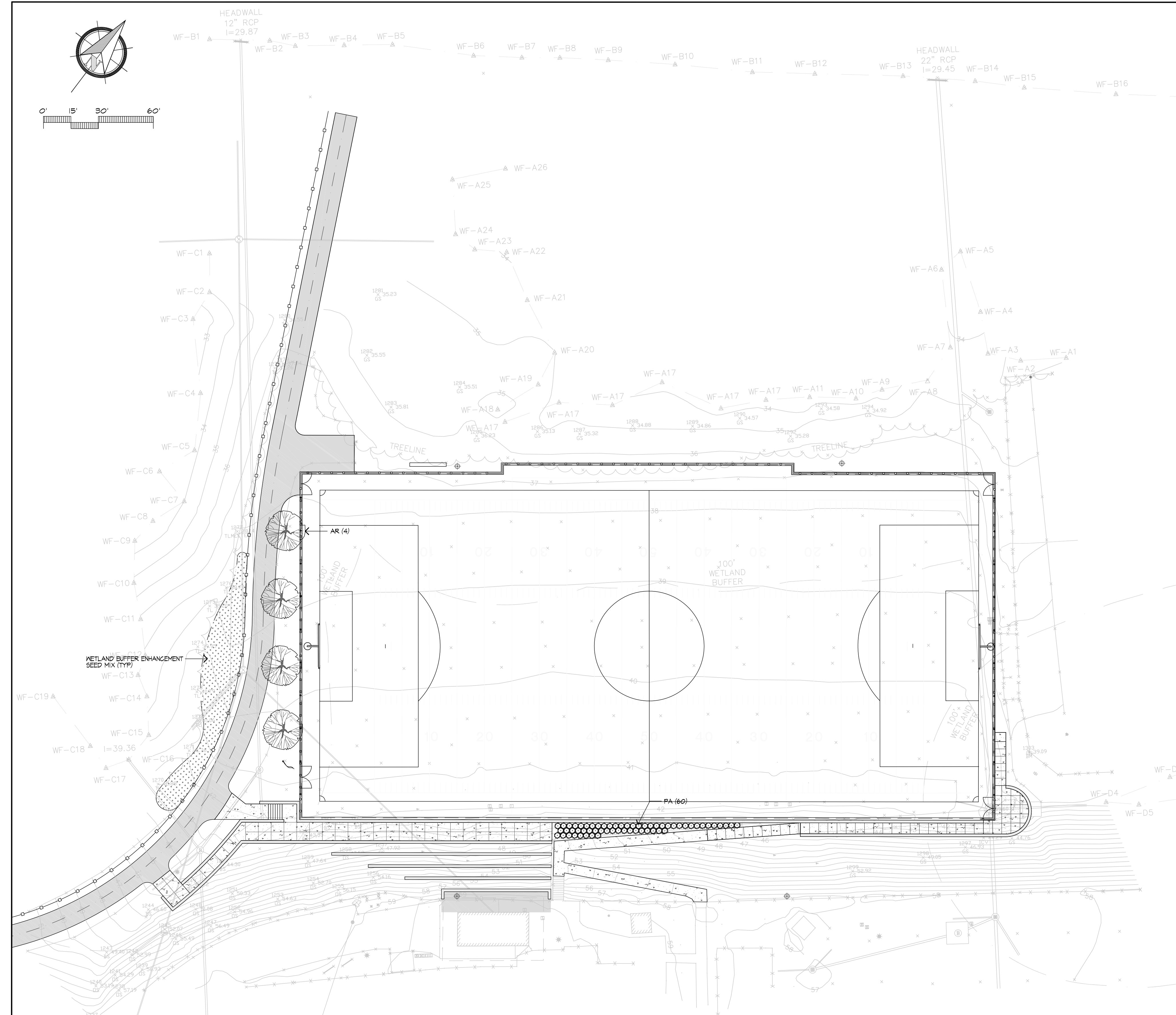
Milton, Massachusetts

Drawing Title:

**Multi-Purpose Field
Grading & Drainage**

Revision	Date
----------	------

Scale:	1" = 30'	Drawing No. L-2 of 7
Date:	2.9.23	
Job:	00-107	
File:	PR-det	
Drawn:	CCH	
Checked:	--	

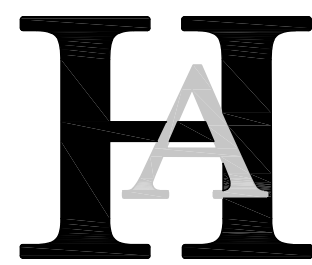
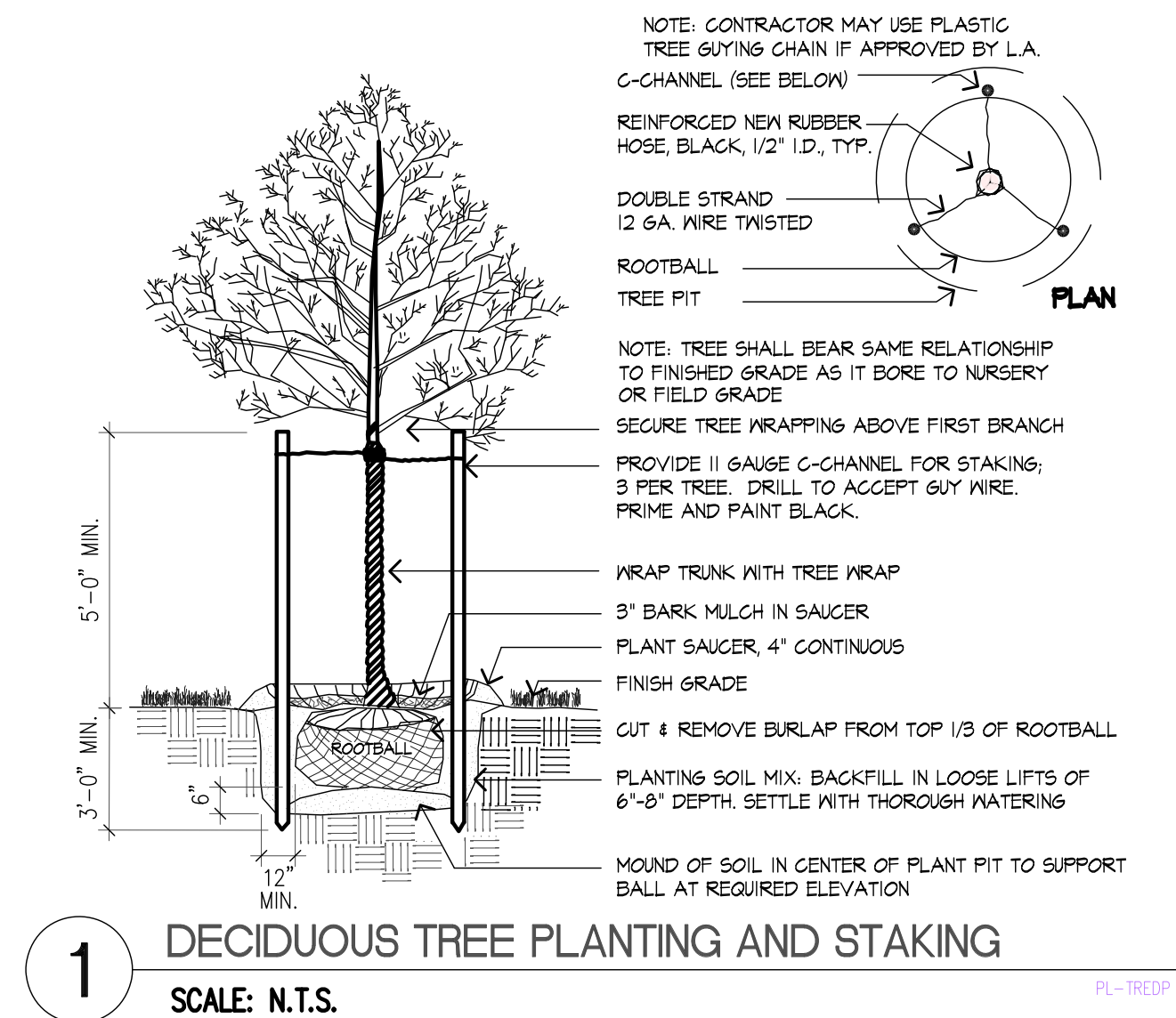


BUFFER ENHANCEMENT SEED		
2,021 SF	NEW ENGLAND ROADSIDE MATRIX UPLAND SEED MIX MIX INCLUDES; VIRGINIA WILD RYE; LITTLE BLUESTEM; RED FESCUE; BIG BLUESTEM; INDIAN GRASS; SWITCH GRASS; PARTRIDGE PEA; BUTTERFLY MILKWEED; PANICLEDLEAF TICK TREFOIL; EVENING PRIMROSE; BLACK-EYED SUSAN; HOLLOW-STEM JOE PYE WEED; GREY DOGWOOD; SILKY DOGWOOD; STAGHORN SUMAC (2022 MIX)	NE WETLAND PLANTS, INC., MA; 413.548.8000 APPLICATION RATE 35 LBS/ ACRE

PLANT LIST					
SYMBOL	BOTANICAL NAME	COMMON NAME	NATIVE	QTY	SIZE
SHADE TREES					
AR	ACER RUBRUM 'RED SUNSET'	RED MAPLE	NATIVE	4	2 1/2"-3" CAL.
GRASSES					
PA	PENNISETUM ALOPECUROIDES 'RED HEAD'	REDHEAD FOUNTAIN GRASS	NON-NATIVE	60	#2 POT

PLANTING NOTES

- PRIOR TO THE START OF ANY EXCAVATION FOR THE PROJECT BOTH ON AND OF THE SITE, THE CONTRACTOR SHALL NOTIFY DIGSAFE AND BE PROVIDED WITH A DIGSAFE NUMBER INDICATING THAT ALL EXISTING UTILITIES HAVE BEEN LOCATED AND MARKED.
- CONTRACTOR SHALL BEGIN MAINTENANCE IMMEDIATELY AFTER PLANTING AND WILL CONTINUE UNTIL FINAL ACCEPTANCE.
- CONTRACTOR SHALL VERIFY ALL TREE REMOVALS WITH LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION START.
- CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL BUILDING FOUNDATIONS, STRUCTURES, AND PLANTING BEDS.
- MAXIMUM SLOPE WITHIN DISTURBED AREAS SHALL NOT EXCEED 3:1, UNLESS OTHERWISE NOTED.
- THE LANDSCAPE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE ALL PLANTINGS SHOWN ON THIS DRAWING.
- ALL MATERIALS SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
- ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISH GRADE AS TO ORIGINAL GRADES BEFORE DIGGING.
- ALL PLANTS TO BE BALLED IN BURLAP OR CONTAINERIZED.
- MULCH FOR PLANTED AREAS TO BE AGED PINE BARK; PARTIALLY DECOMPOSED, DARK BROWN IN COLOR AND FREE OF WOOD CHIPS THICKER THAN 1/4 INCH.
- PLANTING SOIL MIX: LOAM THOROUGHLY INCORPORATED WITH ROTTED MANURE PROPORTIONED 5 C.Y. TO 1 C.Y. OR EQUIVALENT. PEAT MOSS WITH FERTILIZER ADDED PER MANUFACTURER'S RECOMMENDED RATES.
- THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIALS FOR ONE (1) FULL YEAR FROM DATE OF ACCEPTANCE.
- ALL PLANT MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT, AT THE NURSERY, AND AT THE SITE.
- LANDSCAPE ARCHITECT TO FLAG ALL TREES TO BE TRANSPLANTED PRIOR TO CONSTRUCTION START.
- ALL AREAS OF THE SITE WHICH HAVE BEEN DISTURBED AND NOT OTHERWISE DEVELOPED SHALL BE LOAMED AND SEEDED WITH A MINIMUM DEPTH OF 6" DEPTH TOPSOIL.



Huntress Associates, Inc.

Landscape Architecture & Land Planning

17 Tewksbury Street
Andover, Massachusetts 01810
978 470 8882 FAX 978 470 8890

Project:

Milton High School Lower Field

Milton, Massachusetts

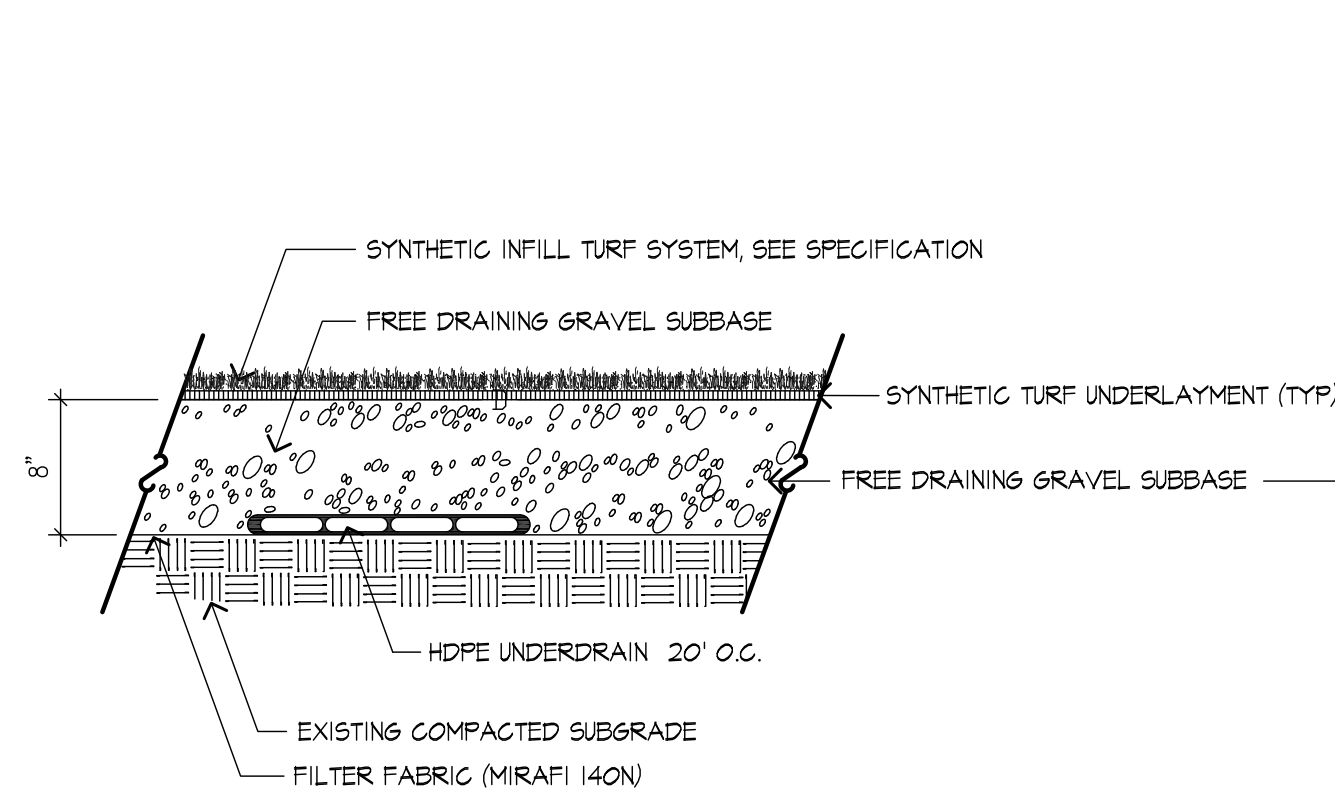
Drawing Title:

Multi-Purpose Field Planting Plan

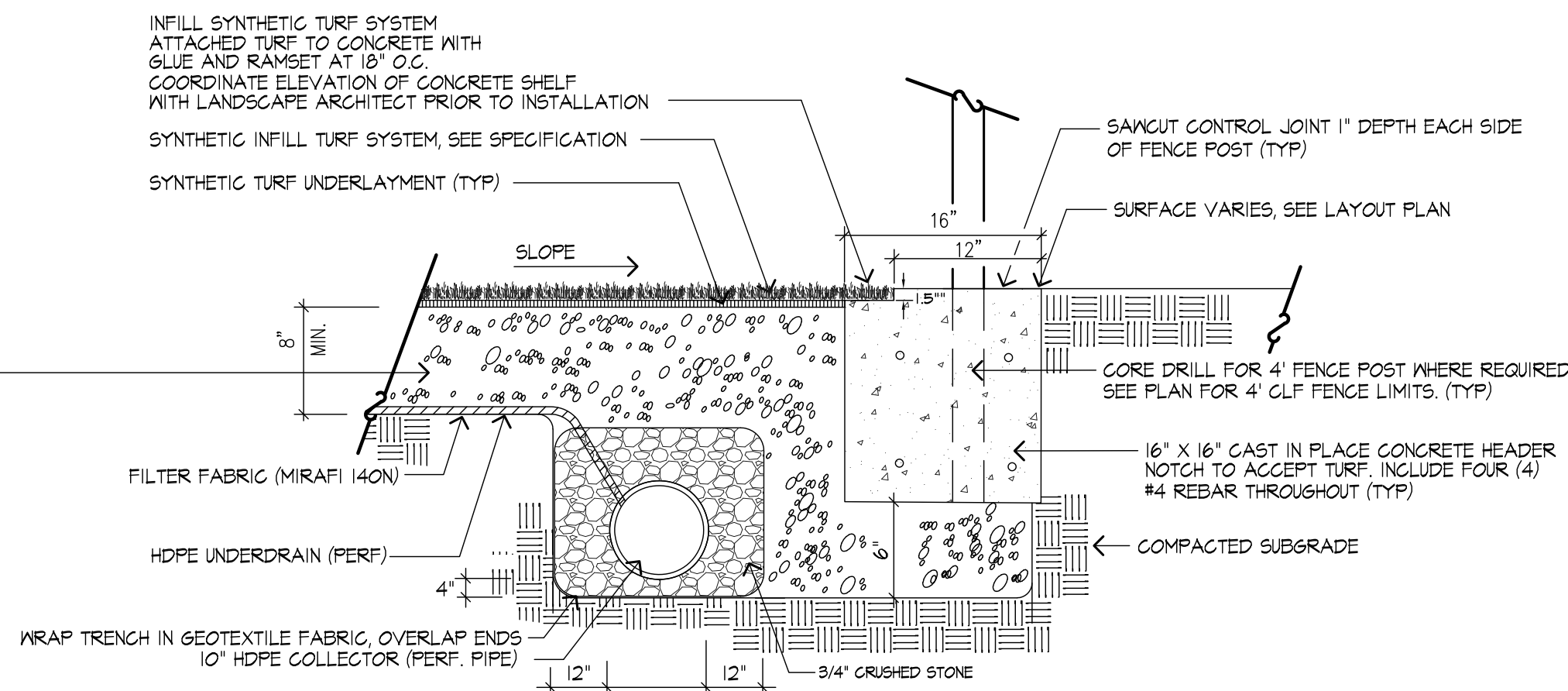
Revision Date

Scale: 1" = 30'
Date: 2.9.23
Job: 00-107
File: PR-det
Drawn: CCH
Checked: --

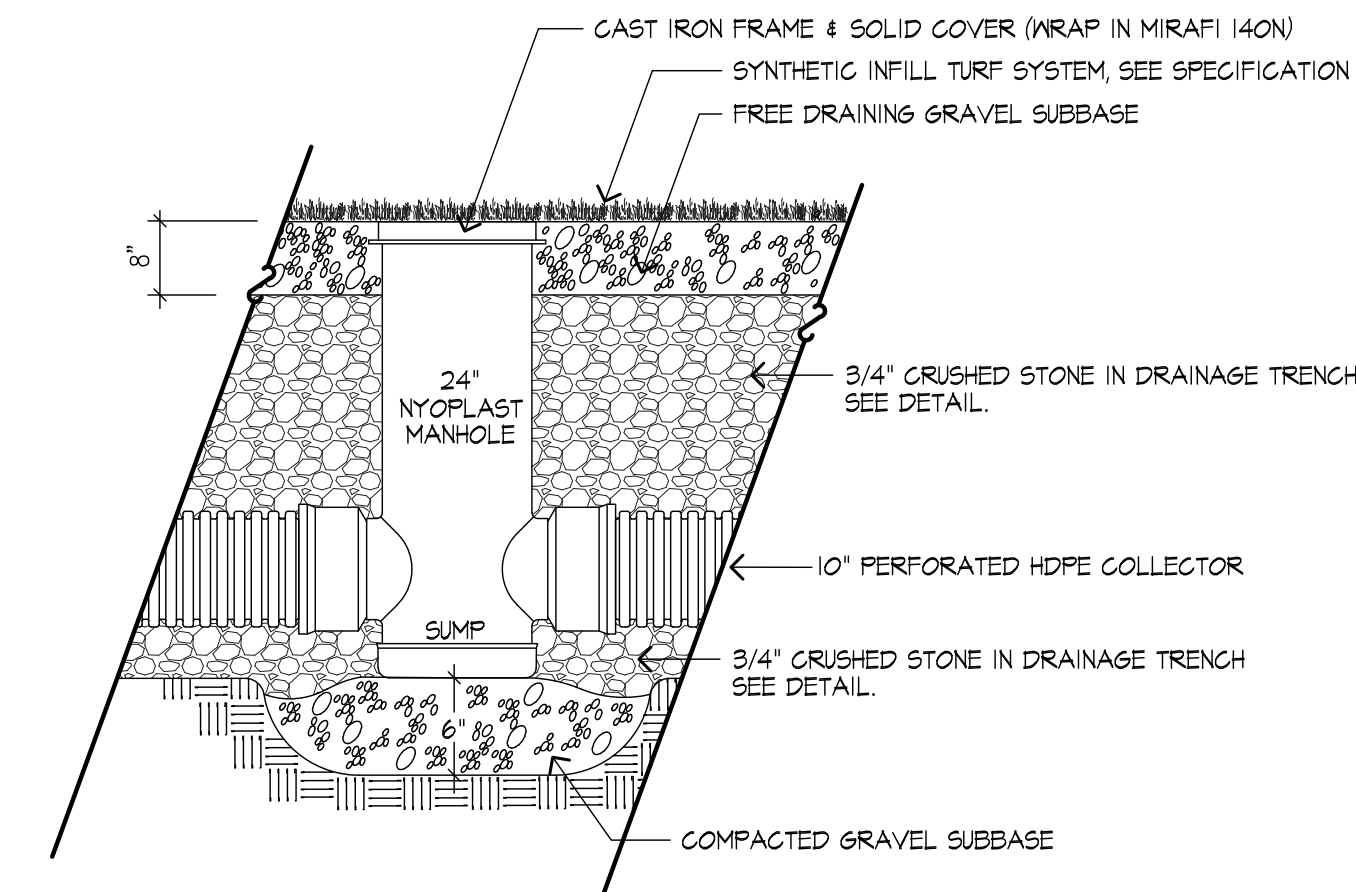
Drawing No.
L-3
of
7



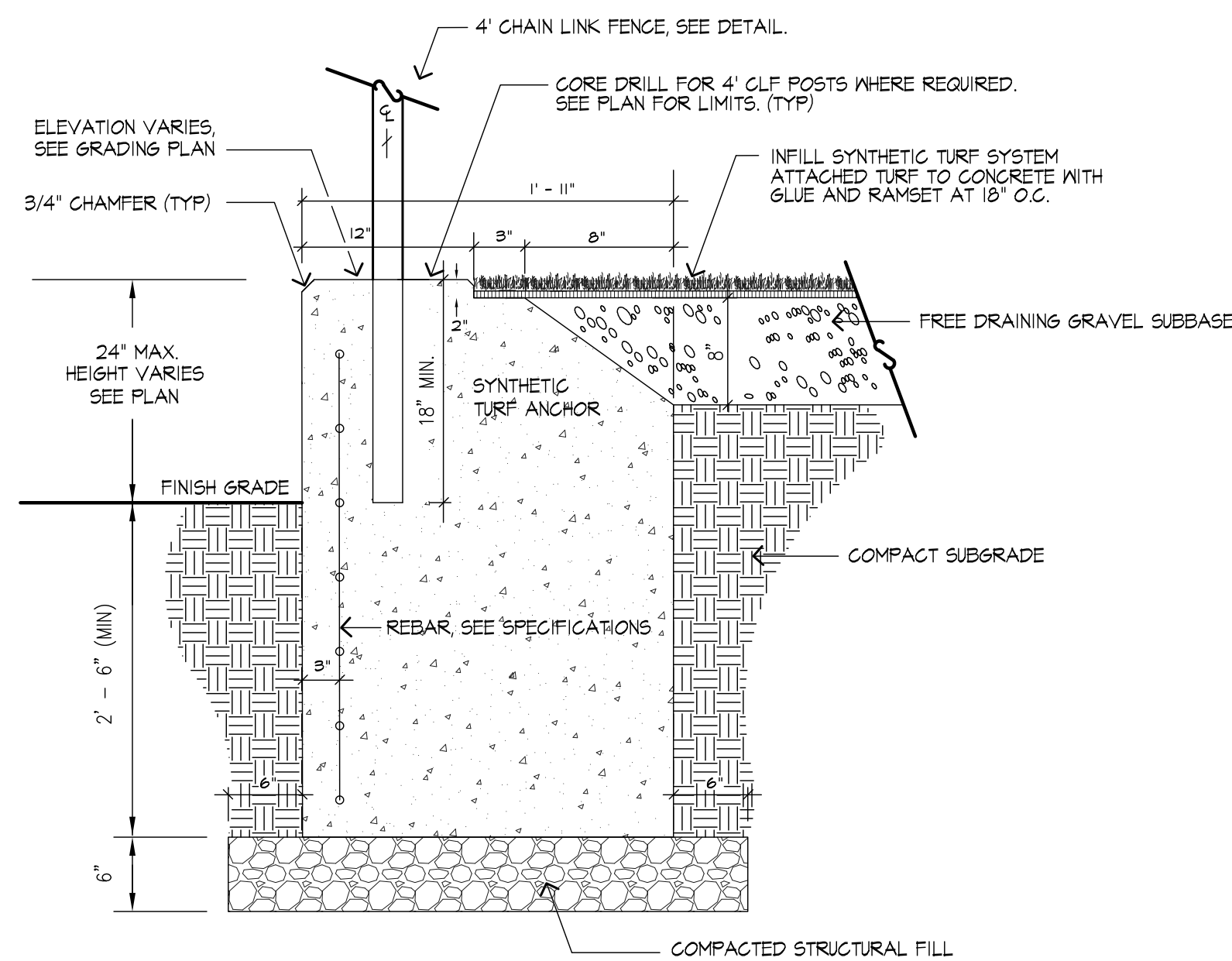
1 TYPICAL INFILLED SYNTHETIC TURF SYSTEM
SCALE: 1" = 1'



2 EDGE OF SYNTHETIC TURF
SCALE: 1" = 1'

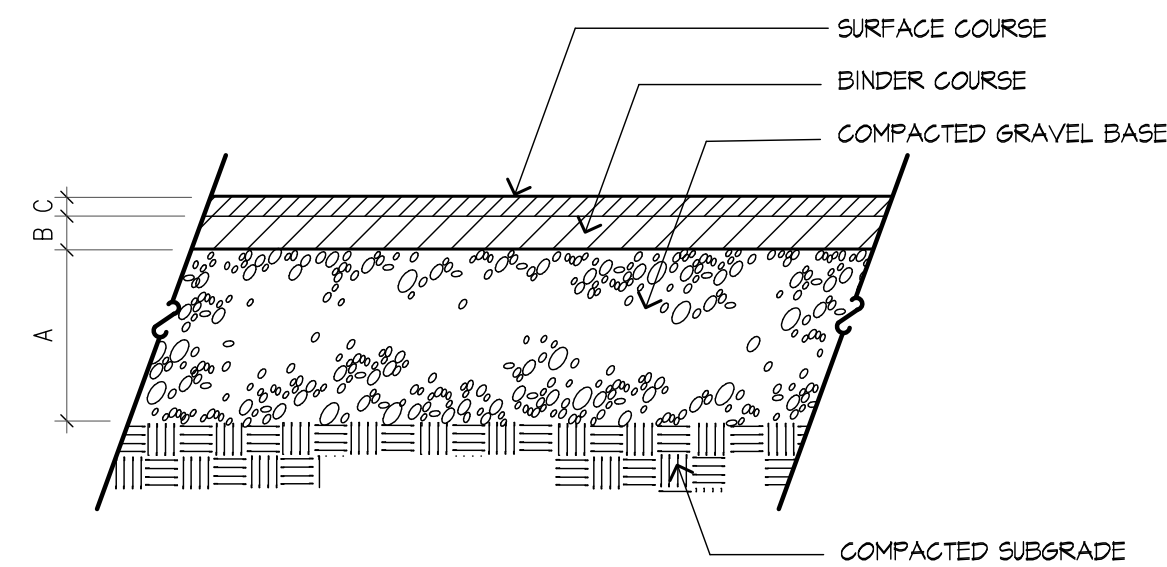


3 NYOPLAST TURF MANHOLE
SCALE: NTS

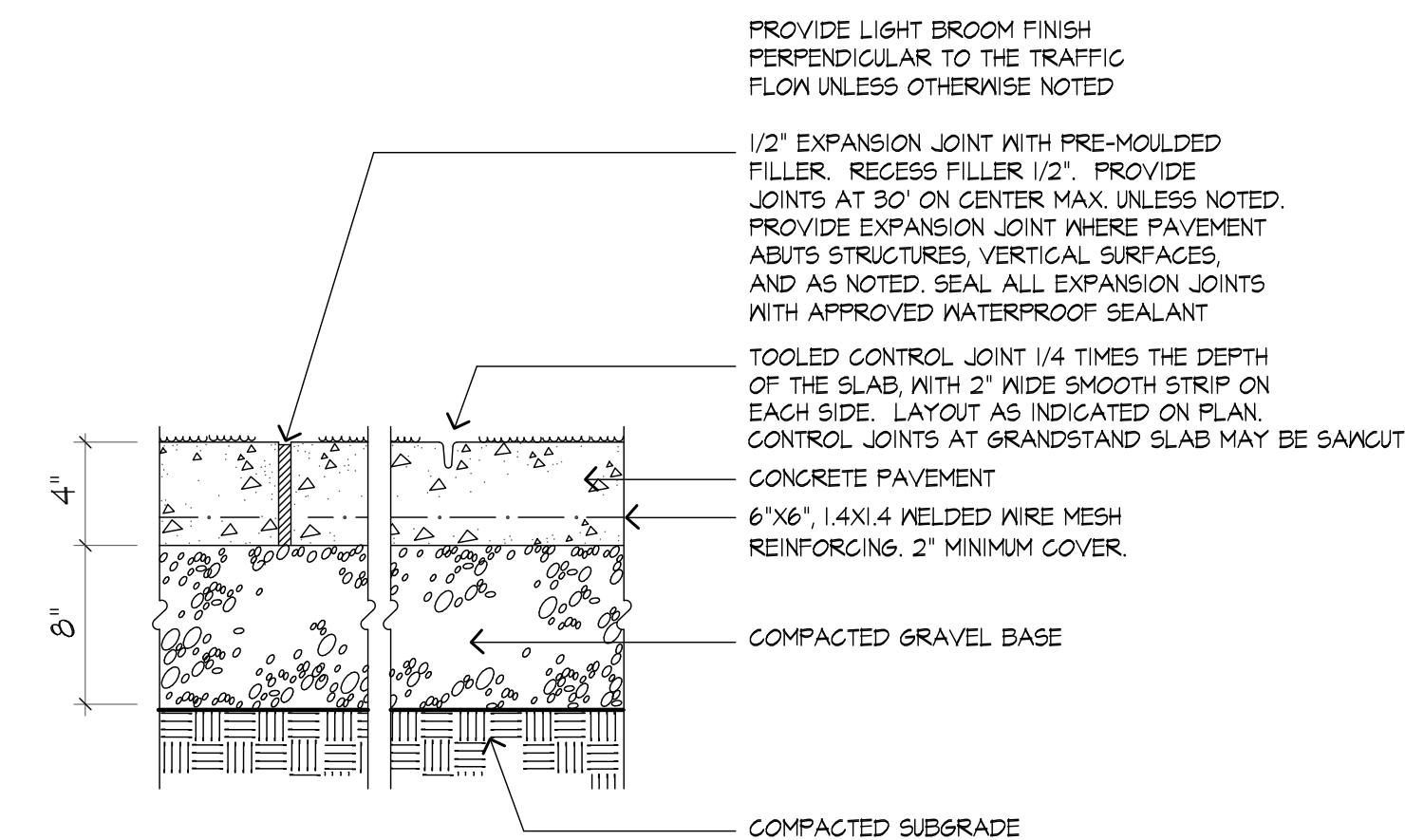


4 RETAINING WALL / TURF ANCHOR DETAIL - 4' CLF FOOTING
SCALE: NTS

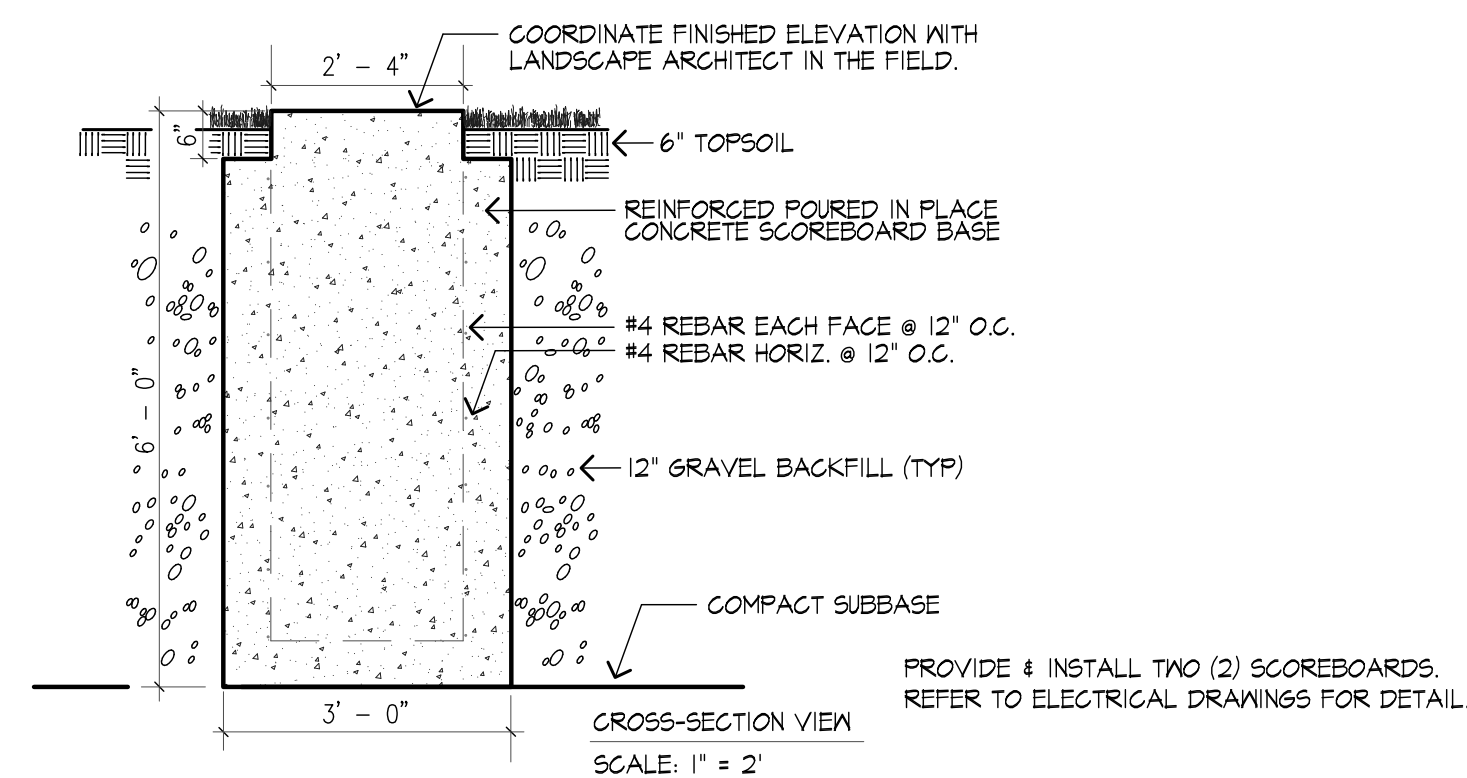
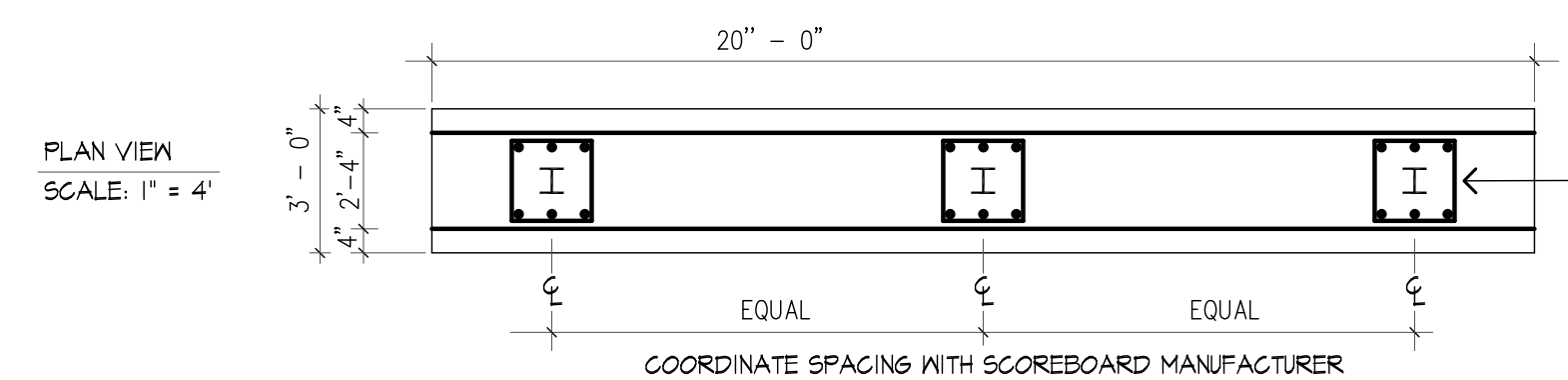
	A	B	C
WALKWAYS	8"	1.5"	1.5"
PARKING & ROADWAYS	12"	2.0"	1.5"



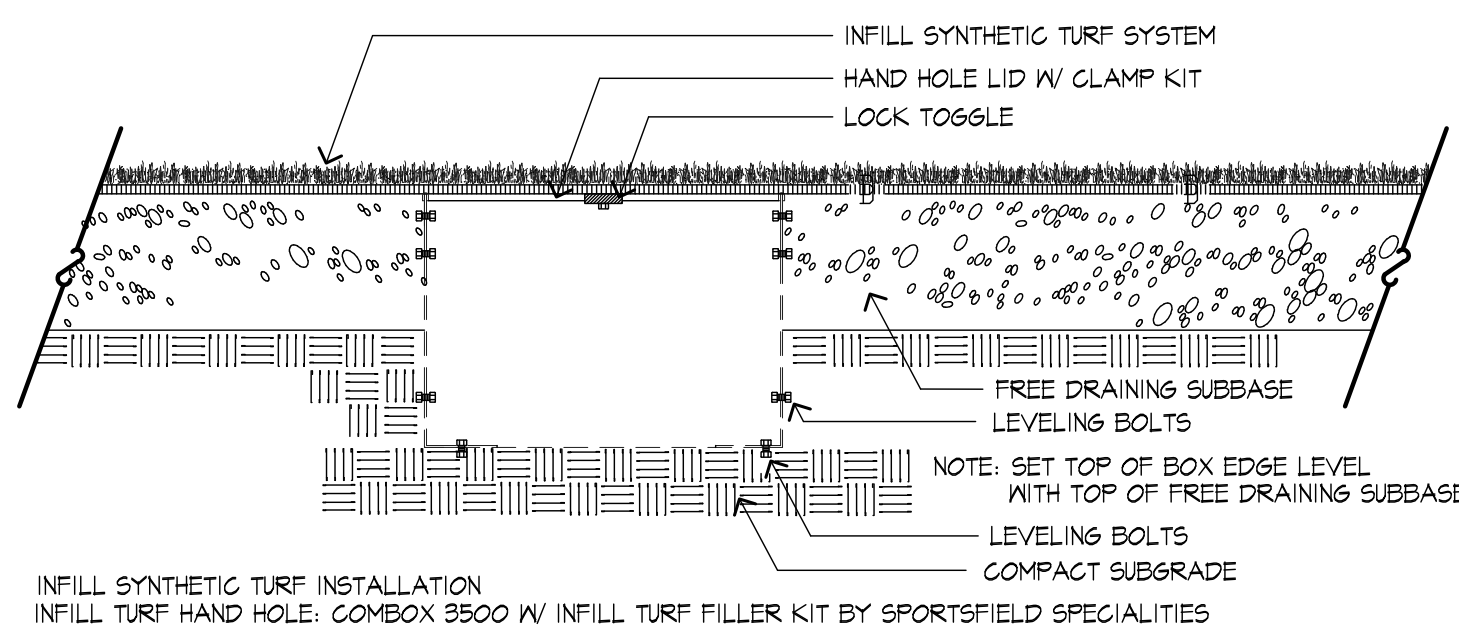
5 BITUMINOUS CONCRETE PAVEMENT
SCALE: NTS



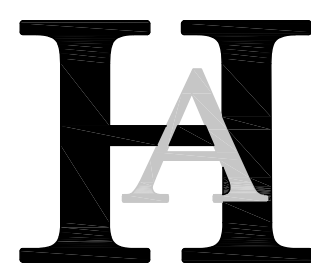
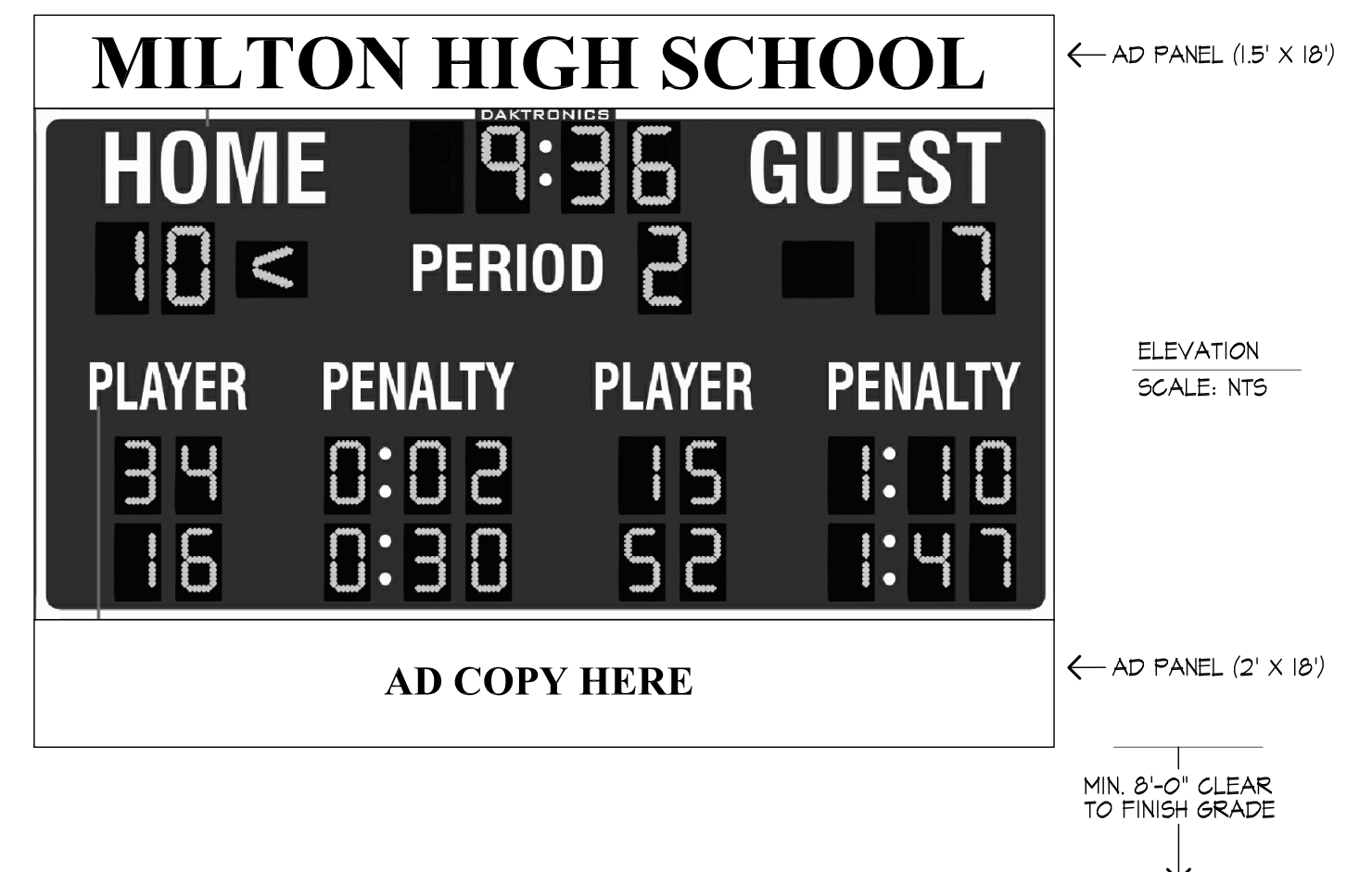
6 CONCRETE WALKWAY
SCALE: NTS



8 SCOREBOARD DETAILS
SCALE: NTS



7 HANDHOLE BOX DETAIL
SCALE: NTS



Huntress Associates, Inc.

Landscape Architecture & Land Planning

17 Tewksbury Street
Andover, Massachusetts 01810
978 470 8882 FAX 978 470 8890

Project:

Milton High School Lower Field

Milton, Massachusetts

Drawing Title:

Multi-Purpose Field Construction Details

Revision Date

Scale: AS NOTED

Date: 2.9.23

Job: 00-107

File: PR-det

Drawn: CCH

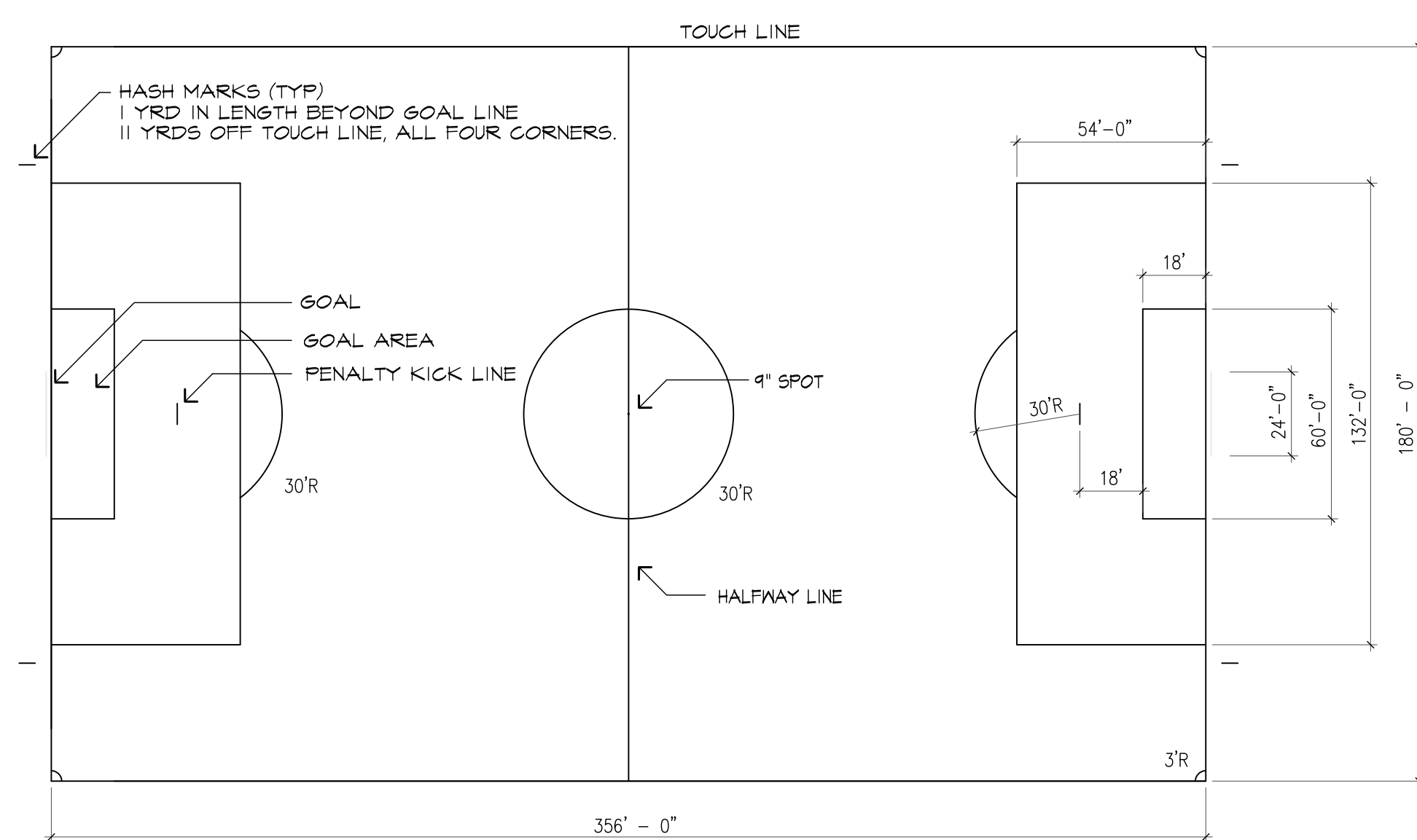
Checked: --

Drawing No.

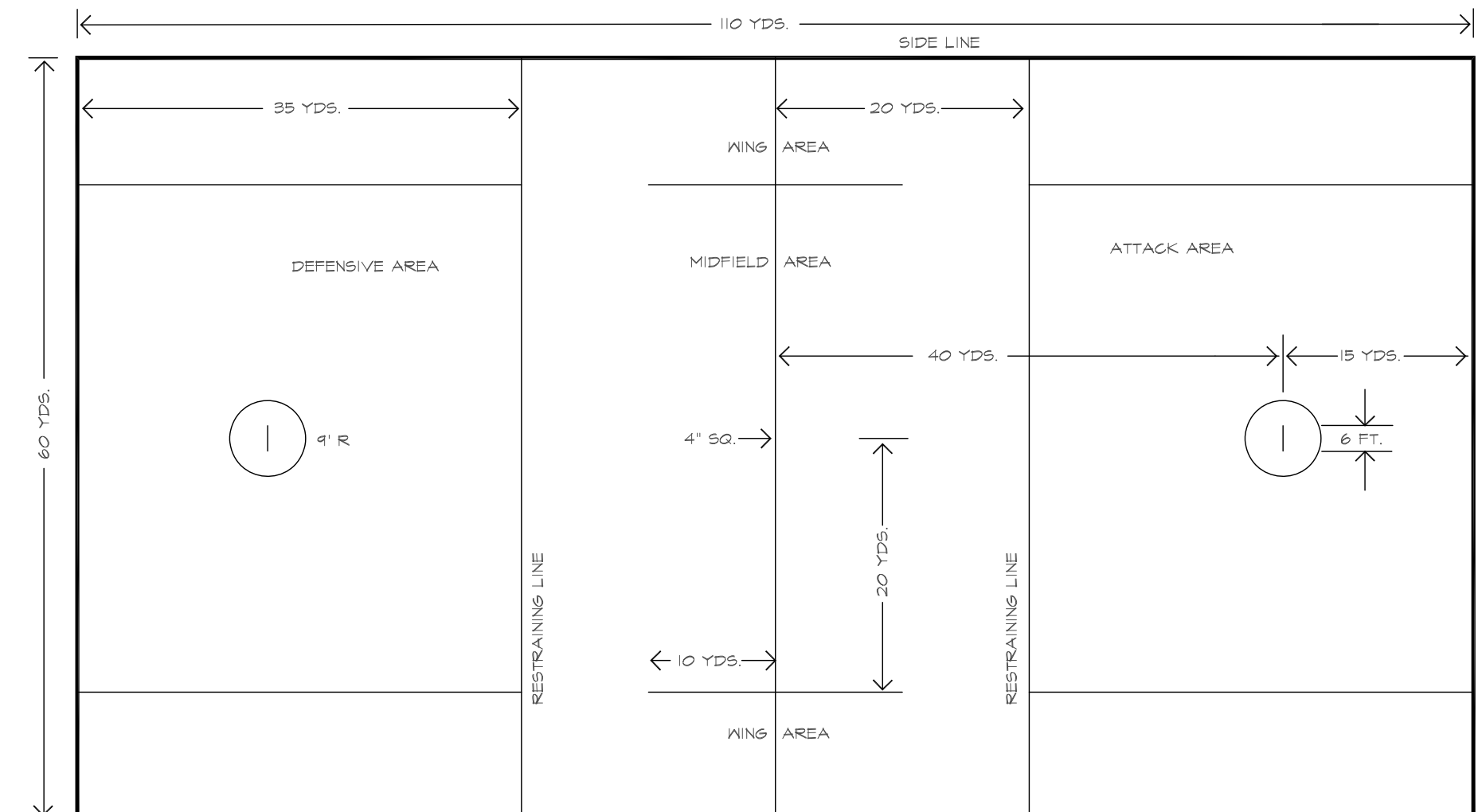
L-4

of

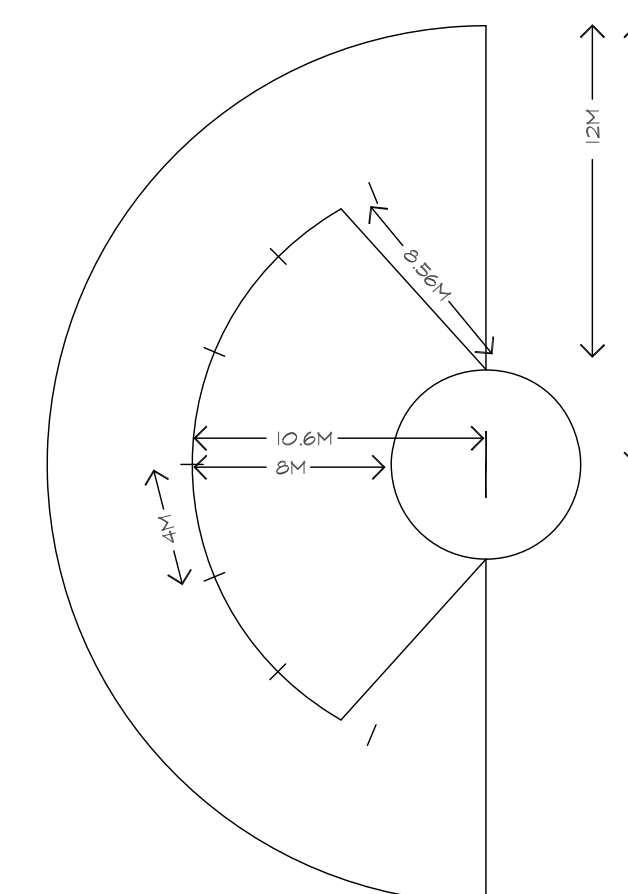
7



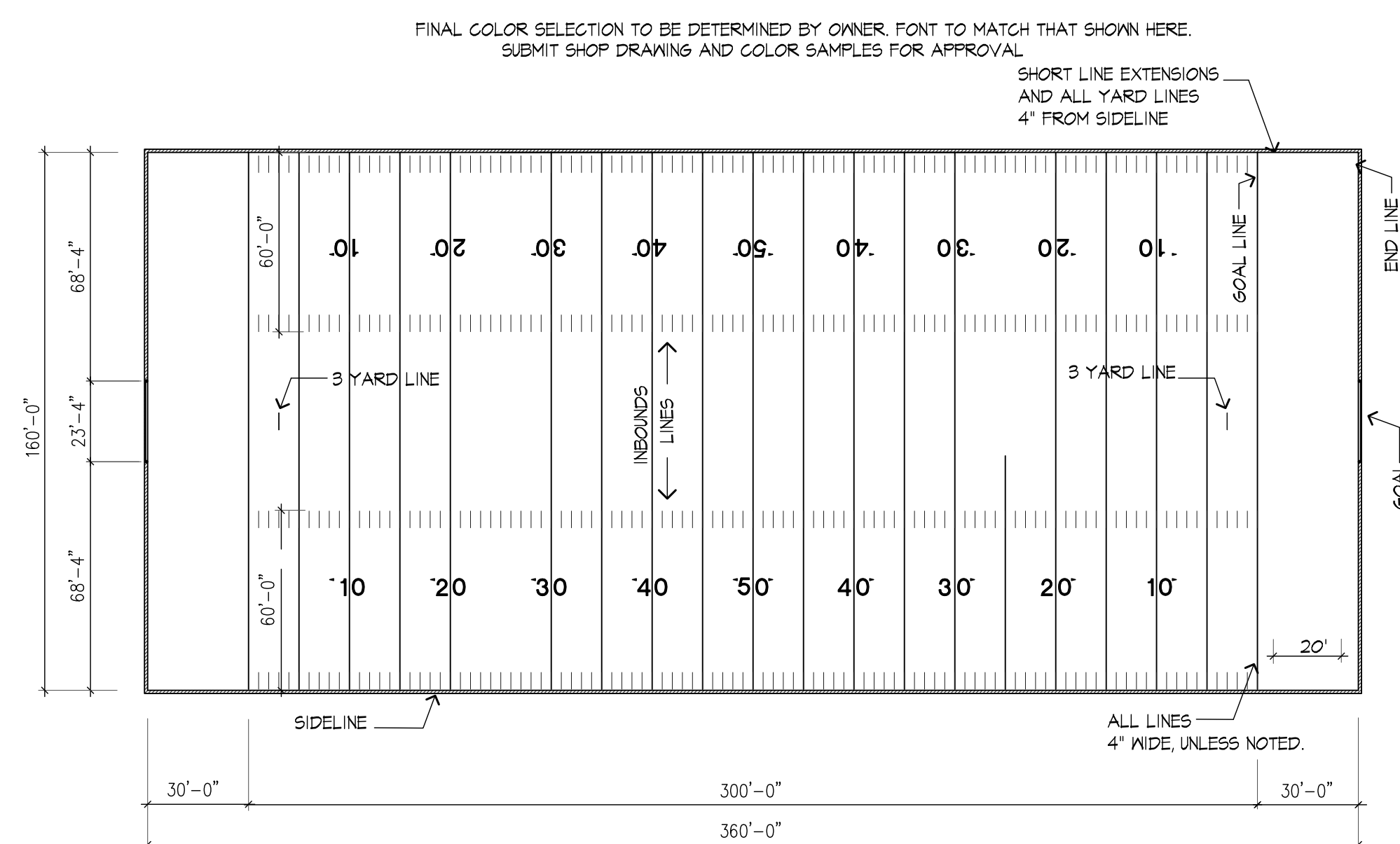
ALL MARKINGS AND LINES TO BE INLAID, COLOR TO BE SELECTED BY OWNER.
SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.



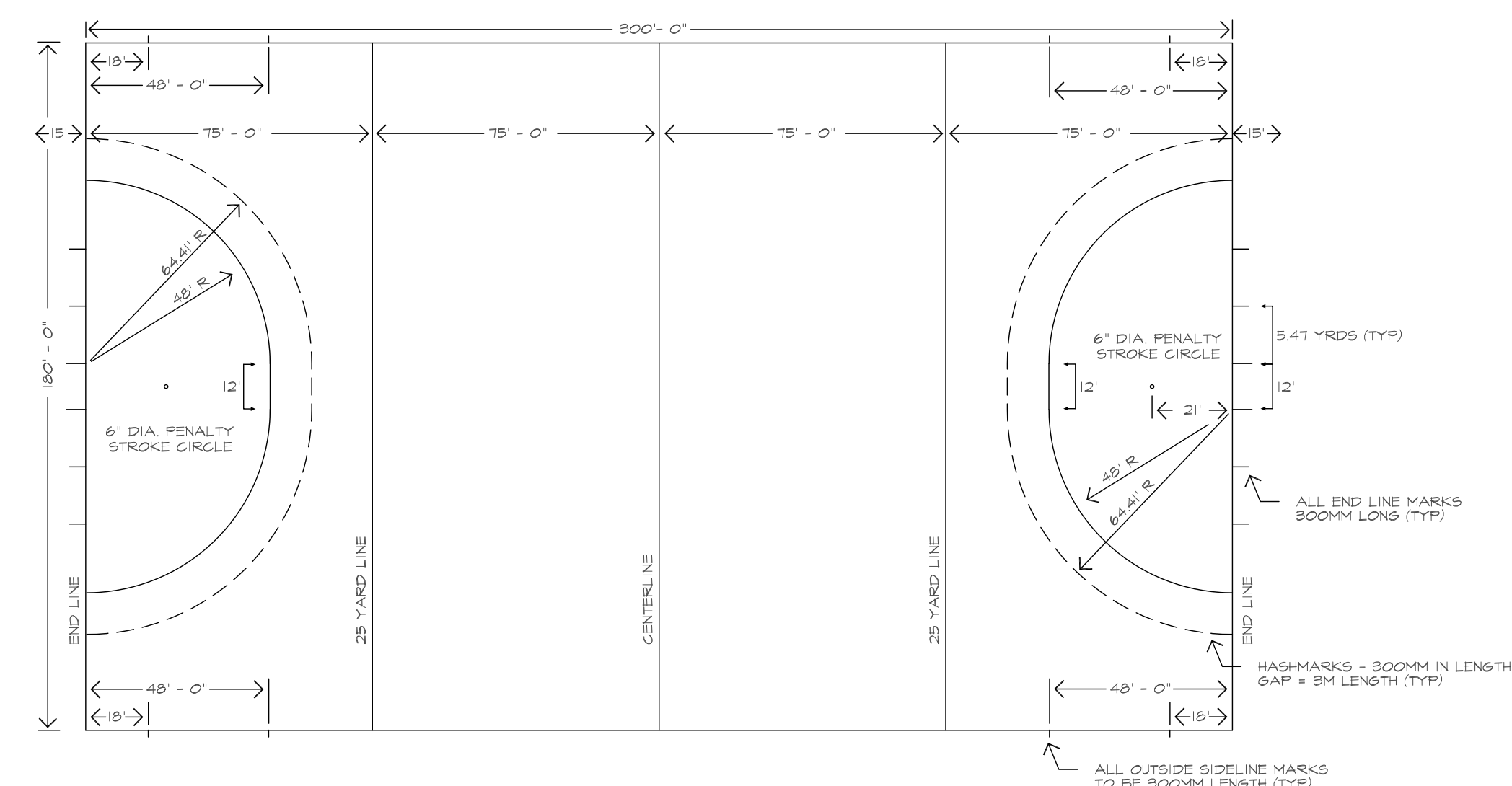
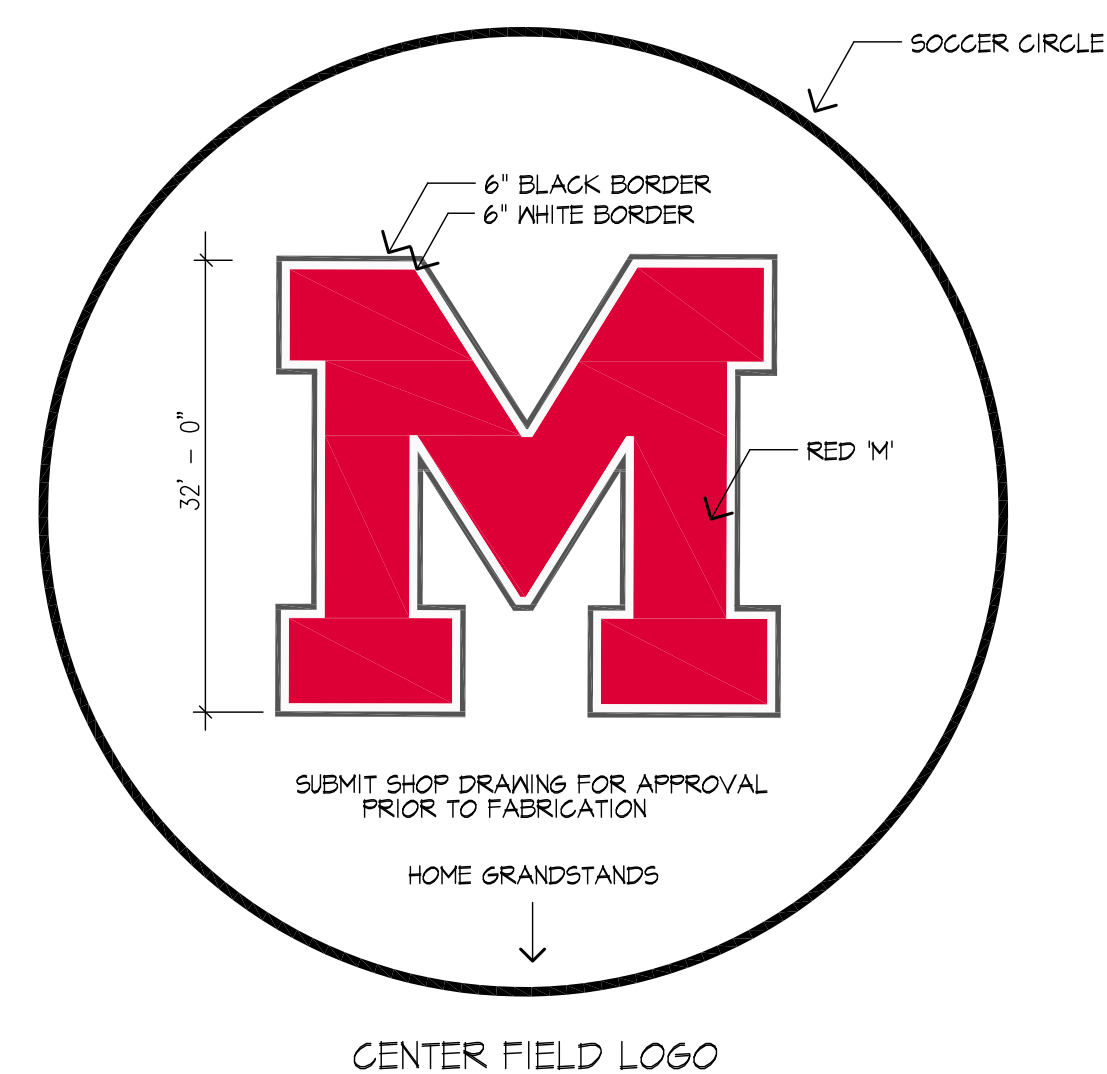
ALL LACROSSE LINES TO BE 4", COLOR TO BE SELECTED BY OWNER.
(EXCEPT GOAL LINES TO BE 2" WIDE)



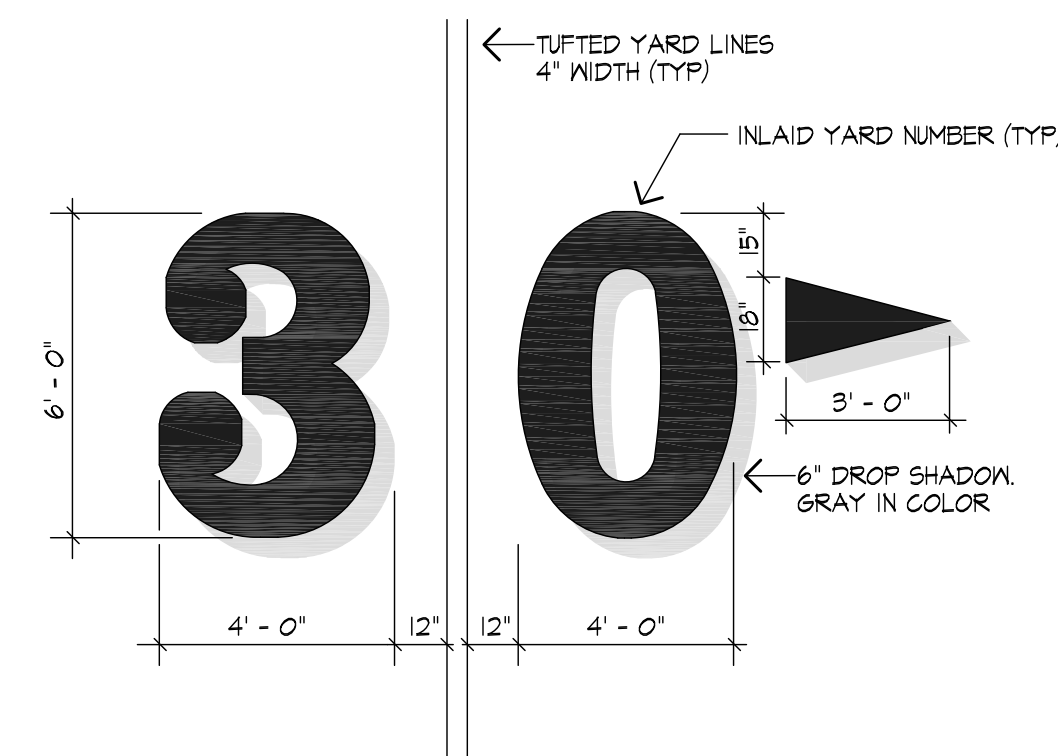
WOMEN'S LAX ARC/FAN ENLARGEMENT
 PROVIDE INLAID WOMEN'S LACROSSE ARC AND GOAL CREASE AS SHOWN.
 COORDINATE LOCATION PRIOR TO INSTALLATION, COLOR TO BE SELECTED BY OWNER.
 SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.



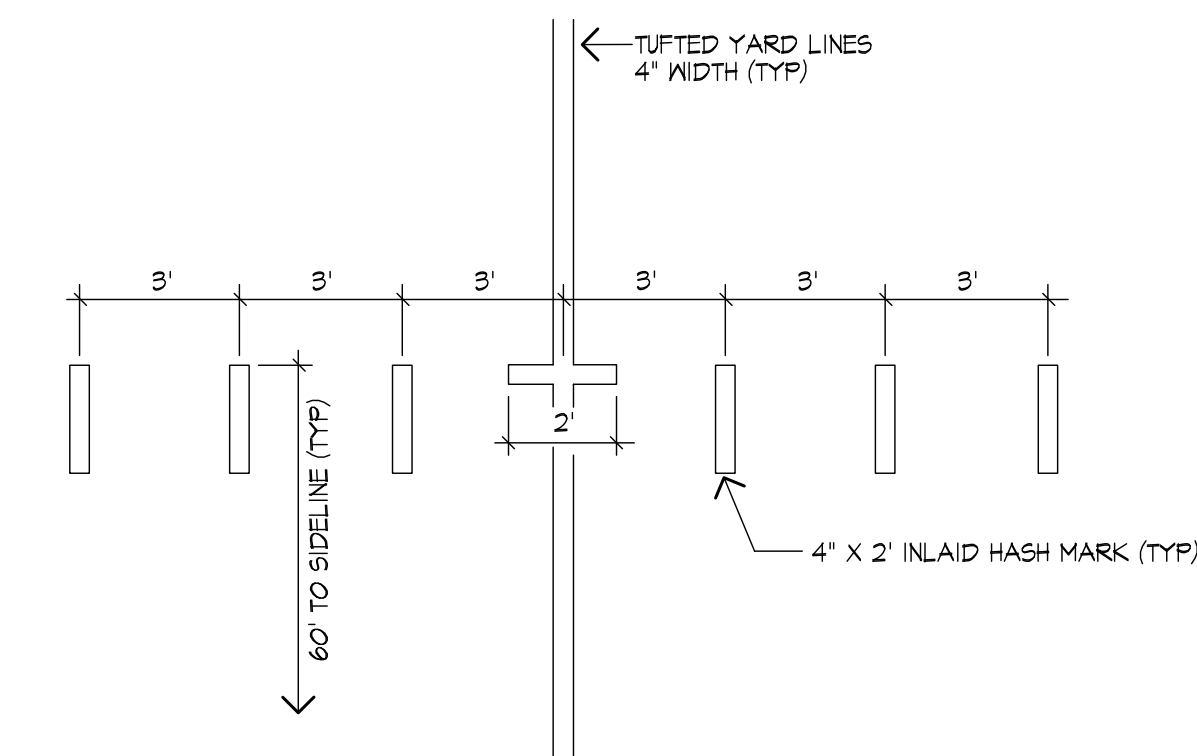
ALL HASH MARKS, LINES, LETTERING, NUMBERS AND DIRECTIONAL ARROWS TO BE INLAID.
SUBMIT SHOP DRAWINGS AND COLOR SAMPLES FOR APPROVAL PRIOR TO INSTALLATION.



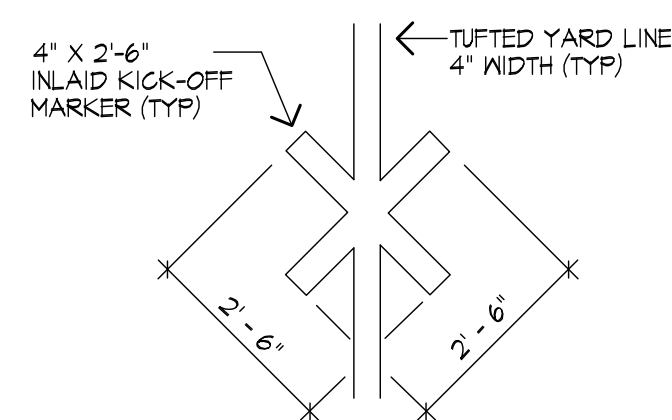
FIELD TO CONFORM TO NFHS GIRL'S FIELD HOCKEY RULES, LATEST EDITION.
ALL MARKINGS AND LINES TO BE INLAID, COLOR TO BE SELECTED BY OWNER.
SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.



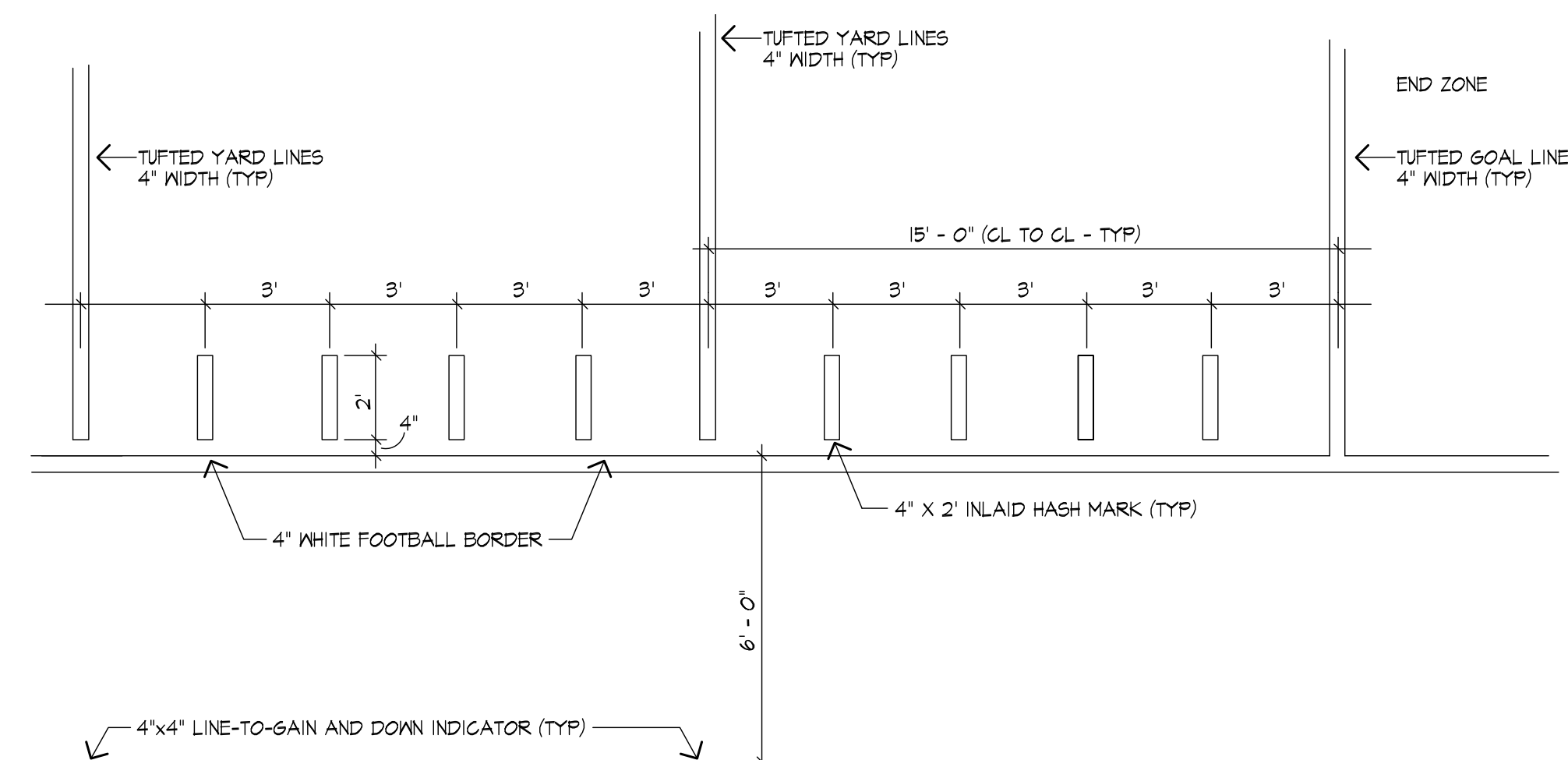
TYPICAL NUMBER DETAIL



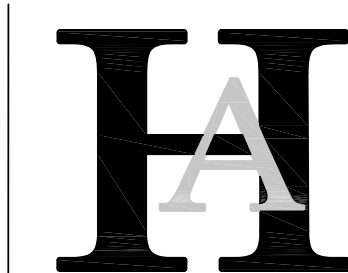
INBOUND LINE DETAIL



KICK-OFF DETAIL



YARD LINE DETAIL



Huntress Associates, Inc.

Landscape Architecture & Land Planning

**17 Tewksbury Street
Andover, Massachusetts 01810
978 470 8882 FAX 978 470 8890**

Project:

Milton High School Lower Field

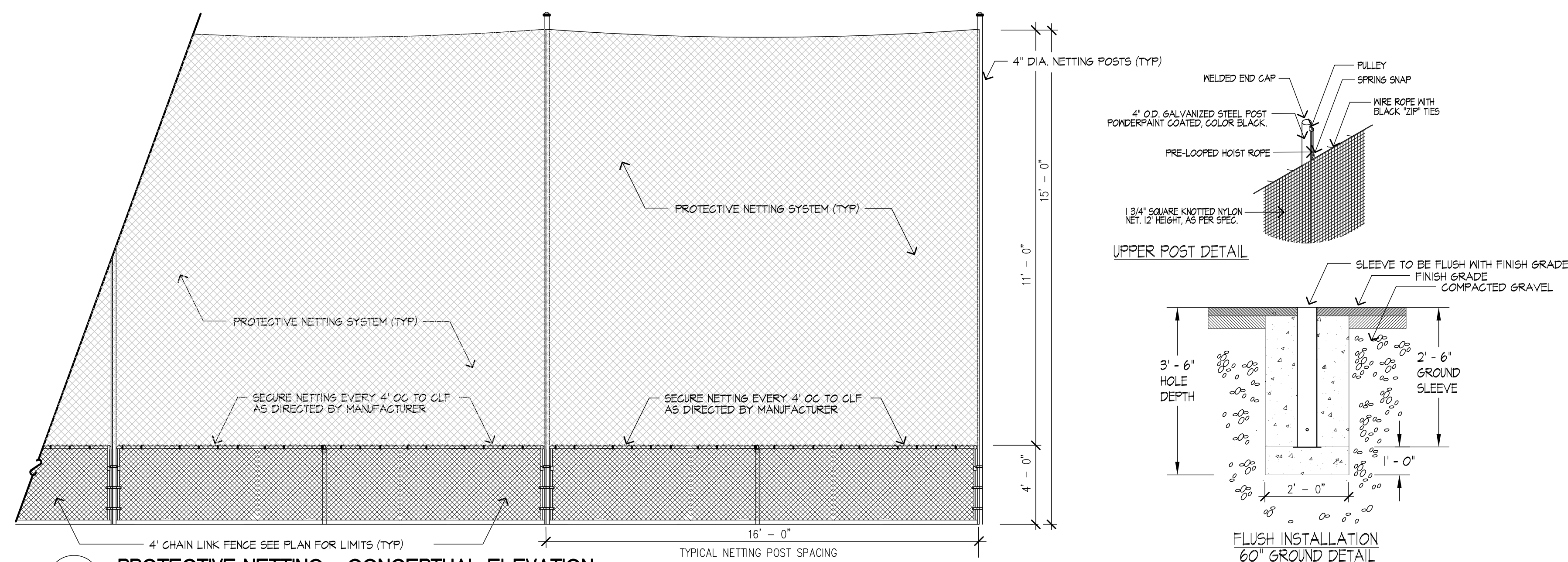
Milton, Massachusetts

Drawing Title:

Multi-Purpose Field Construction Details

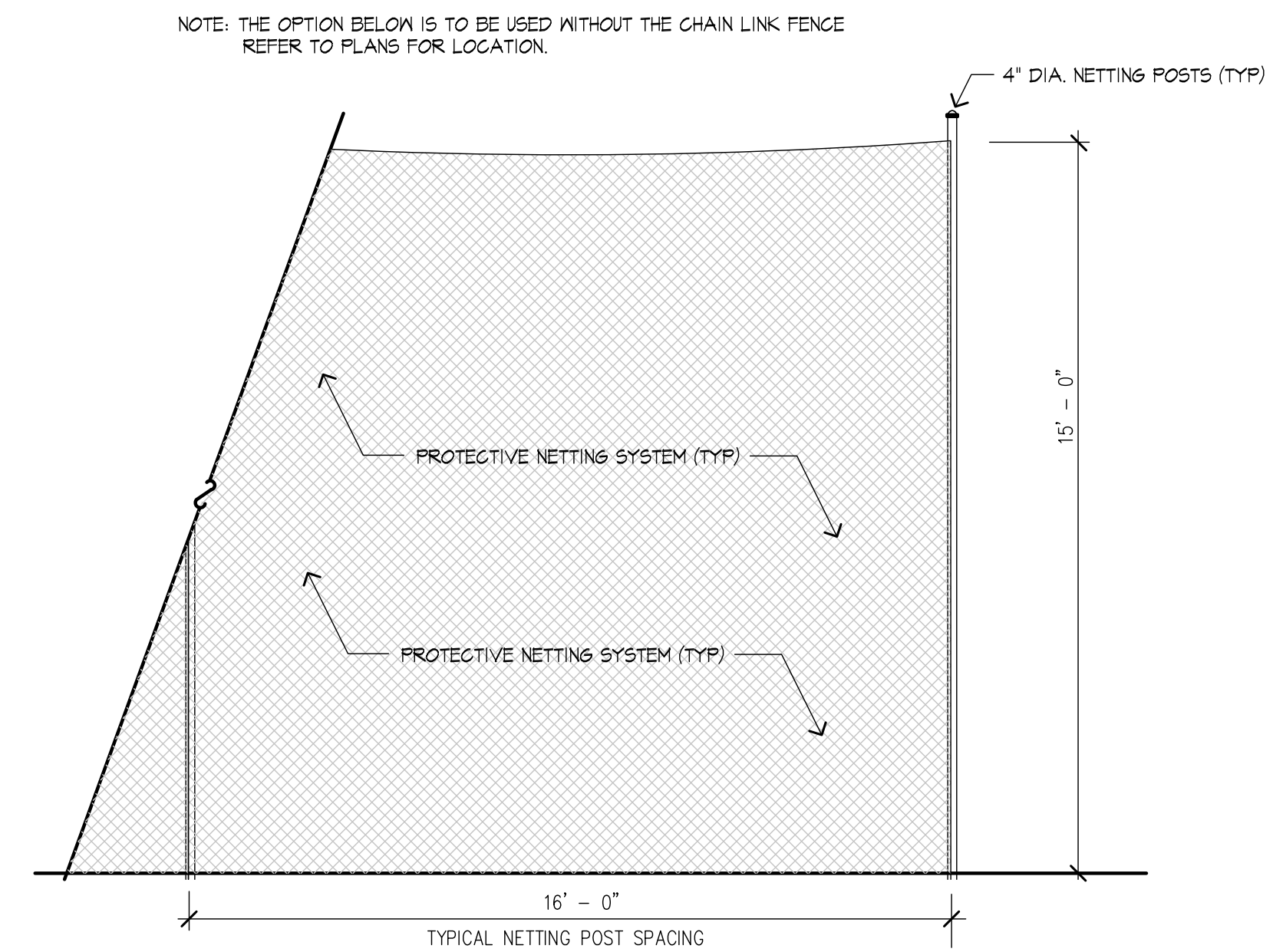
Revision	Date

Scale:	AS NOTED	Drawing No.
Date:	2.9.23	L-5
Job:	00-107	
File:	PR-det	
Drawn:	CCH	
Checked:	--	
		of
		7



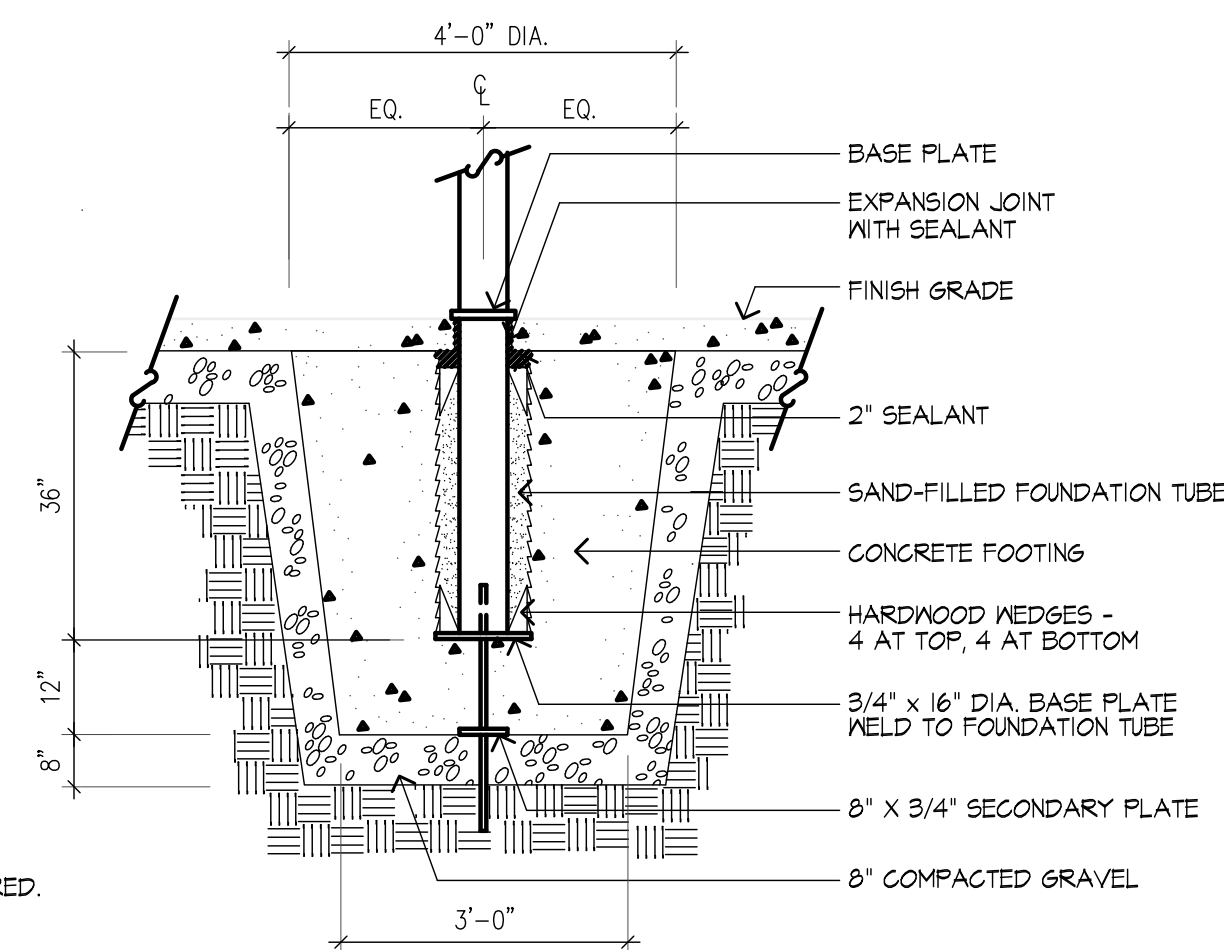
1 PROTECTIVE NETTING - CONCEPTUAL ELEVATION

SCALE: N.T.S.



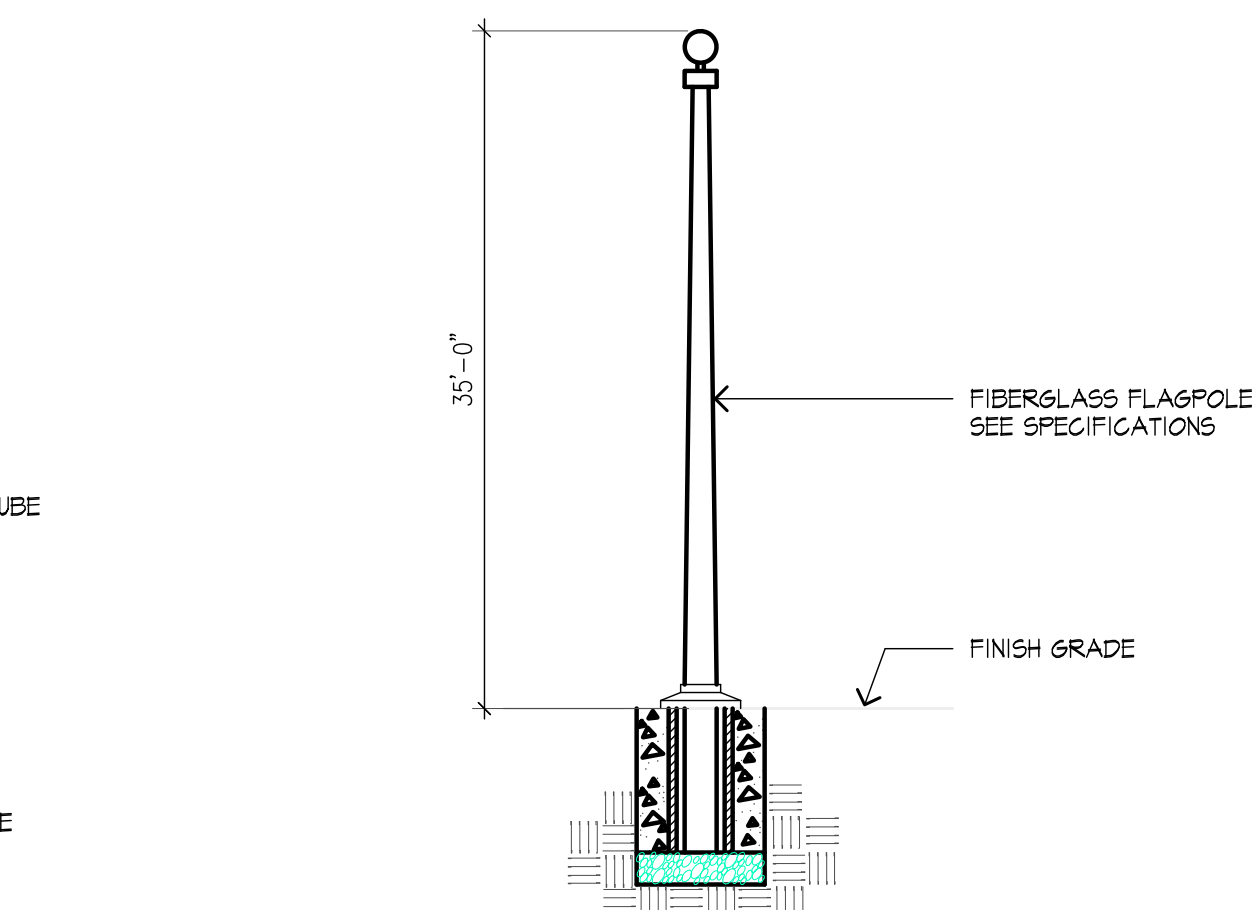
4' FUSION BOND CHAIN LINK FENCE AND GATE

SCALE: N.T.S.



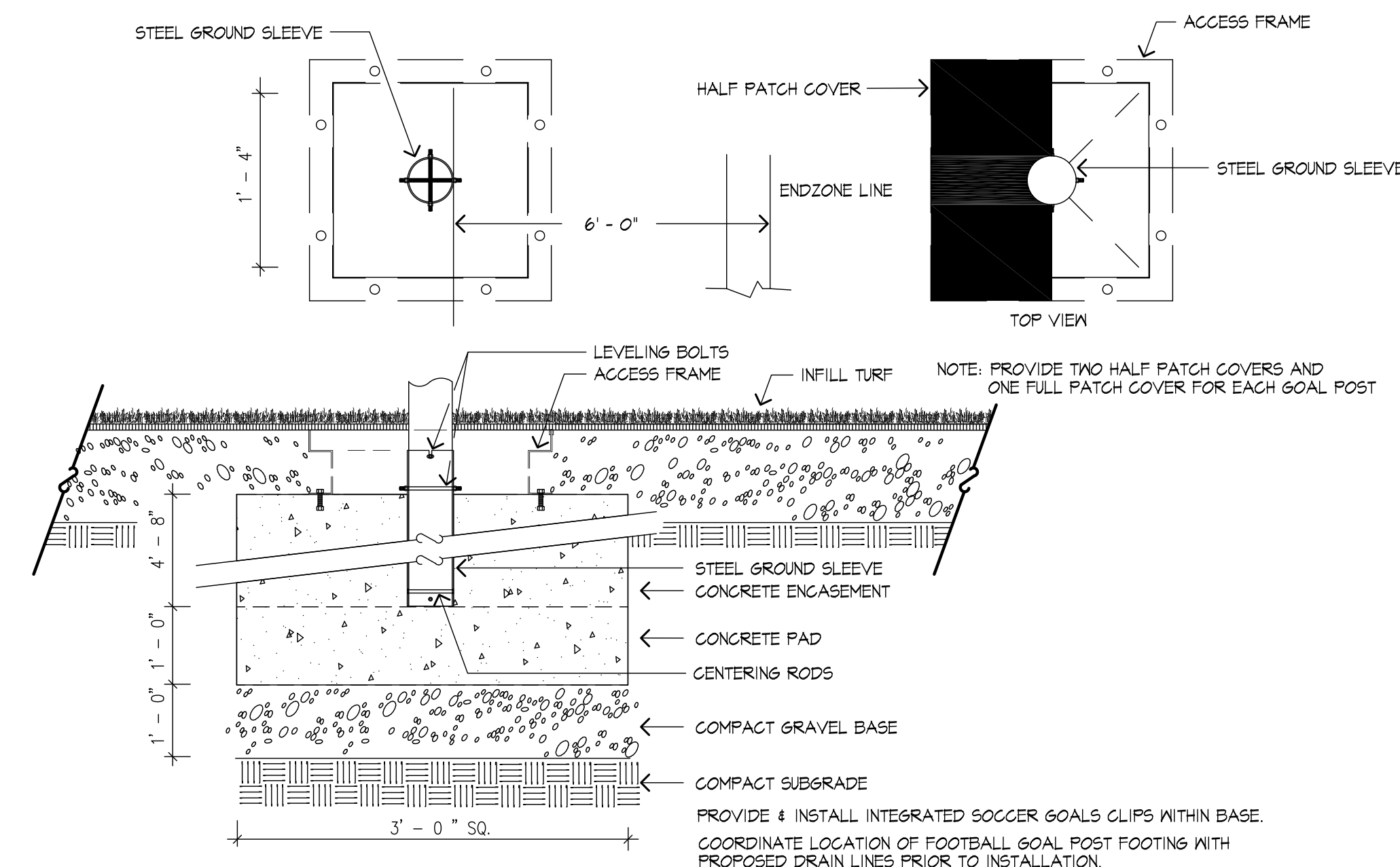
2 FLAGPOLE FOOTING

SCALE: 1/2" = 1'-0"



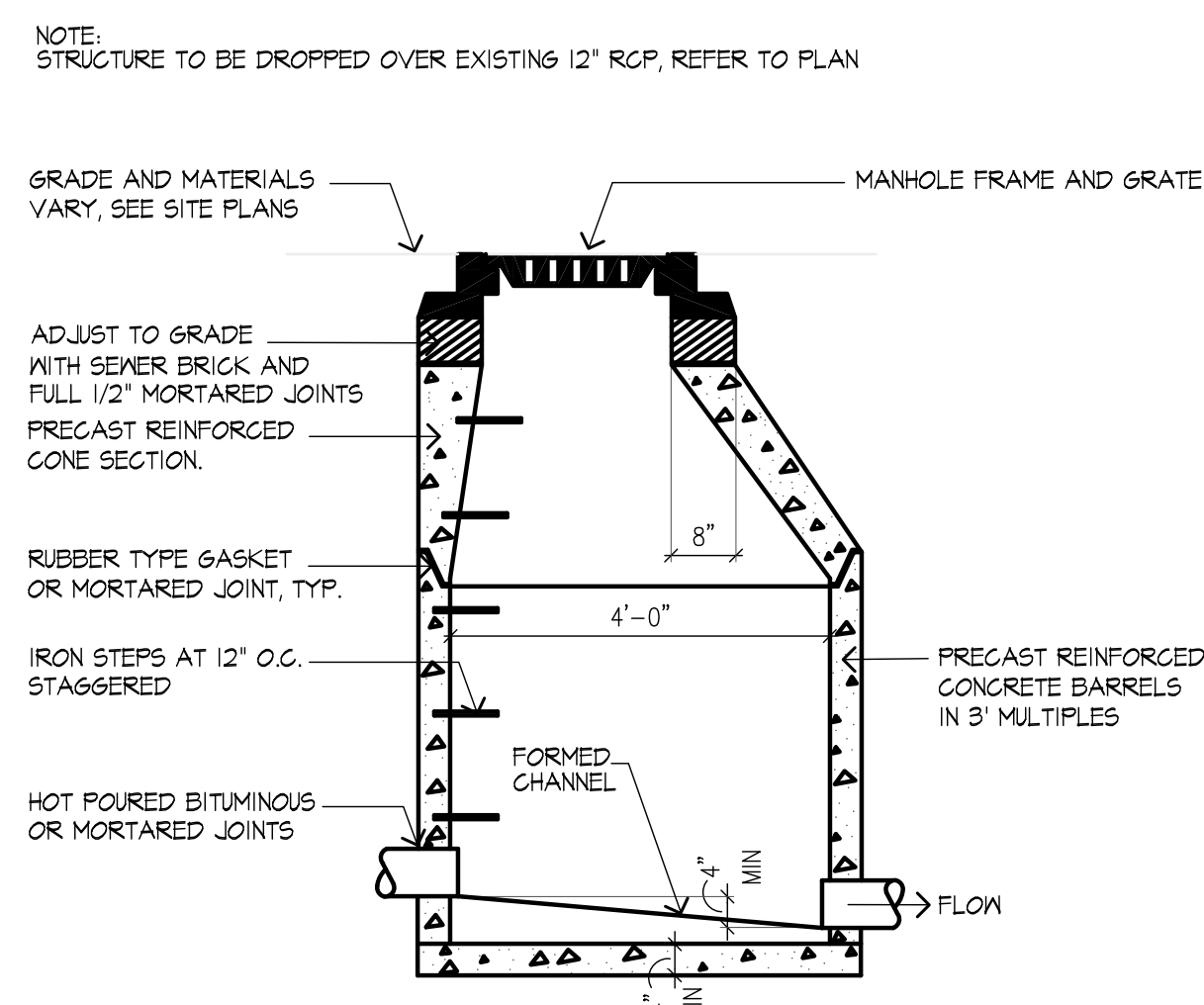
4 FLAGPOLE

SCALE: N.T.S.

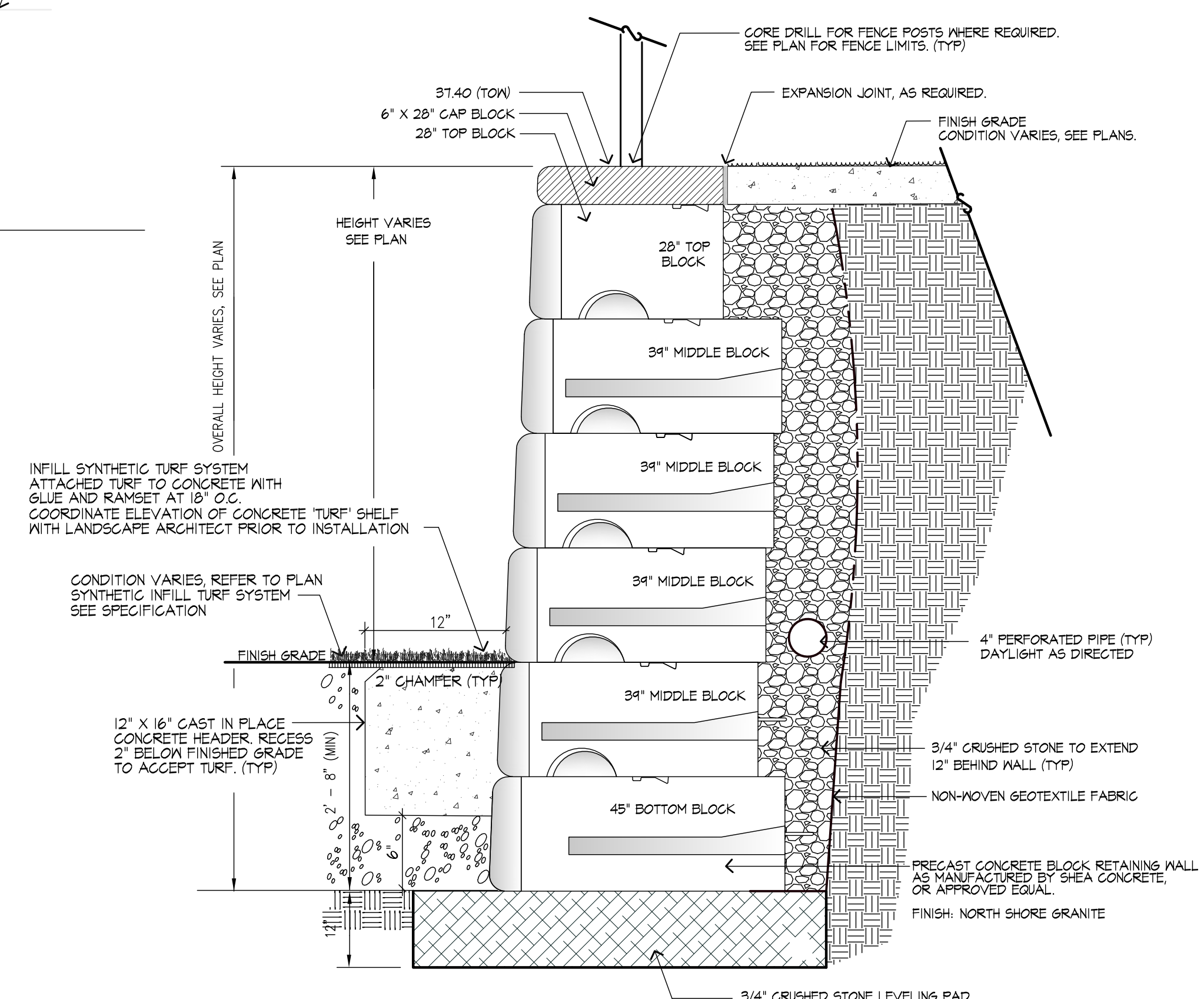


REMOVABLE FOOTBALL GOAL POST AND FOOTING DETAIL

SCALE: NTS

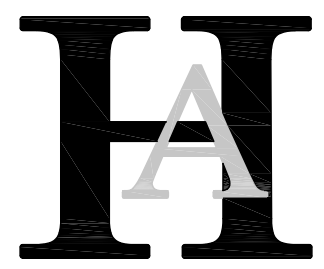
 MANHOLE

SCALE: 1/2" = 1'



7 CONCRETE BLOCK WALL DETAIL (TYP)

SCALE: 1"=1'-0"



Huntress Associates, Inc.

Landscape Architecture & Land Planning

17 Tewksbury Street
Andover, Massachusetts 01810
978 470 8882 FAX 978 470 8890

Project:

Milton High School Lower Field

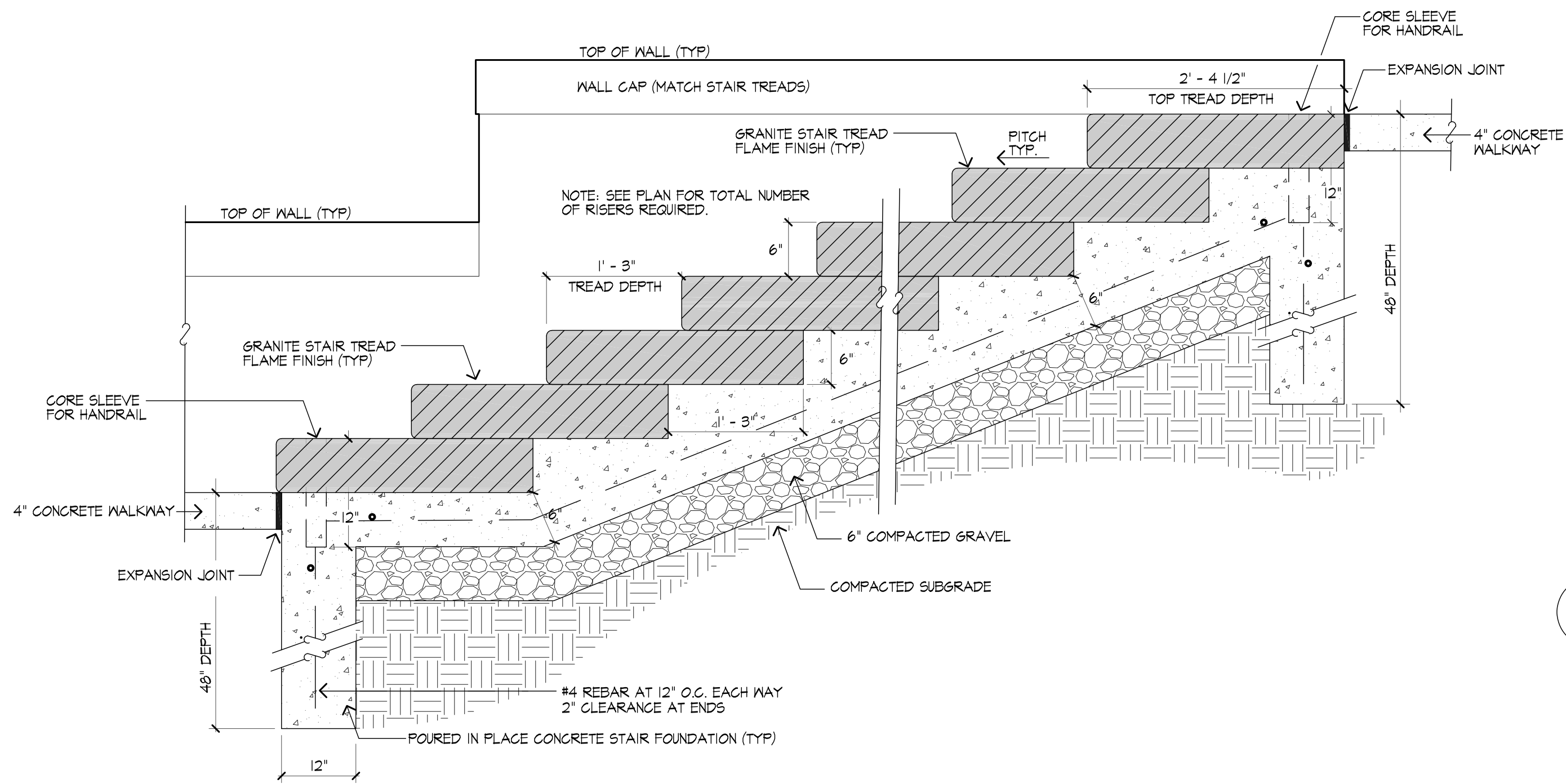
Milton, Massachusetts

Drawing Title:

Multi-Purpose Field Cross-section

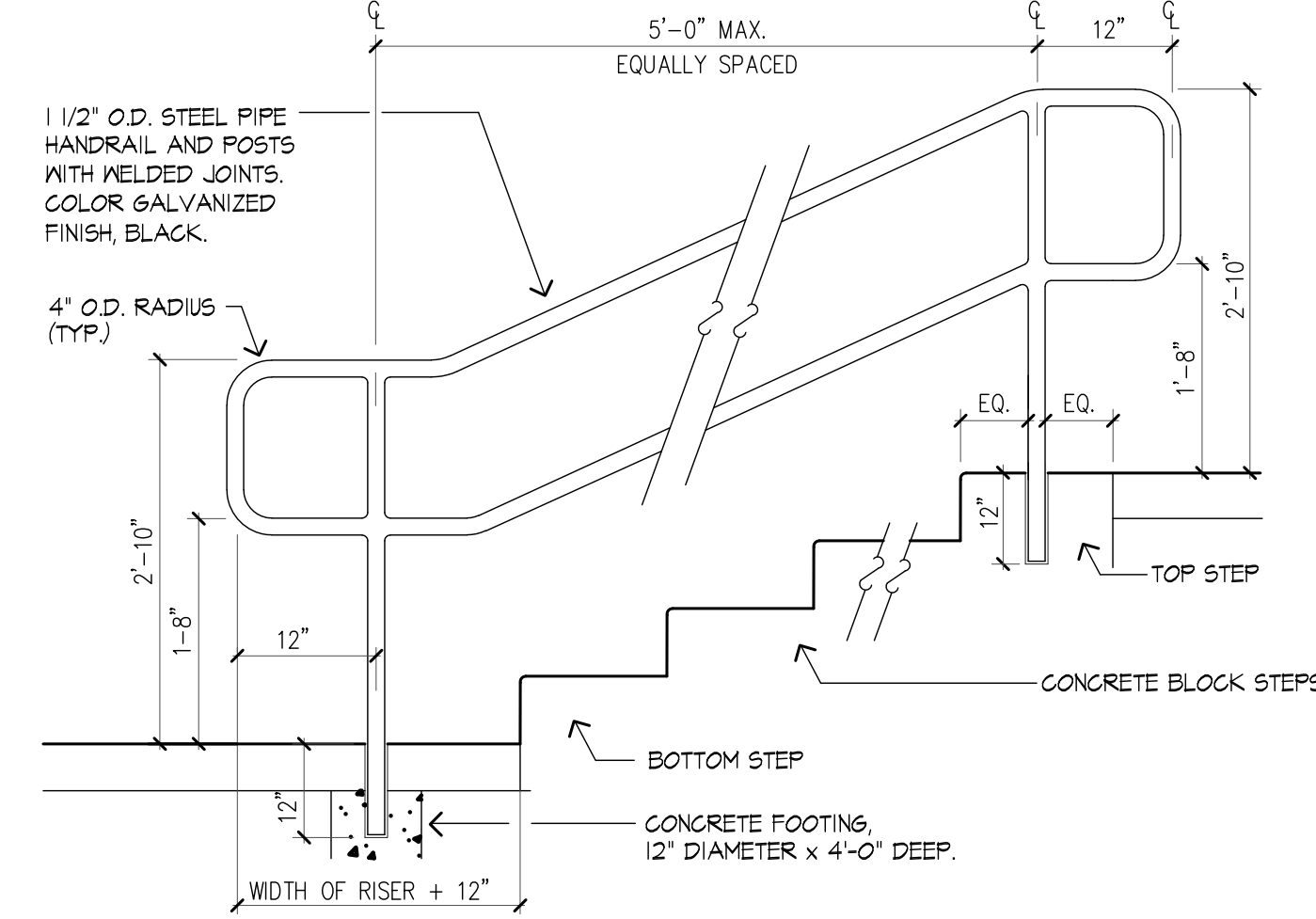
Revision Date

Scale:	AS NOTED	Drawing No.	L-7
Date:	2.9.23		
Job:	00-107		
File:	PR-det		
Drawn:	CCH	of	
Checked:	--		7



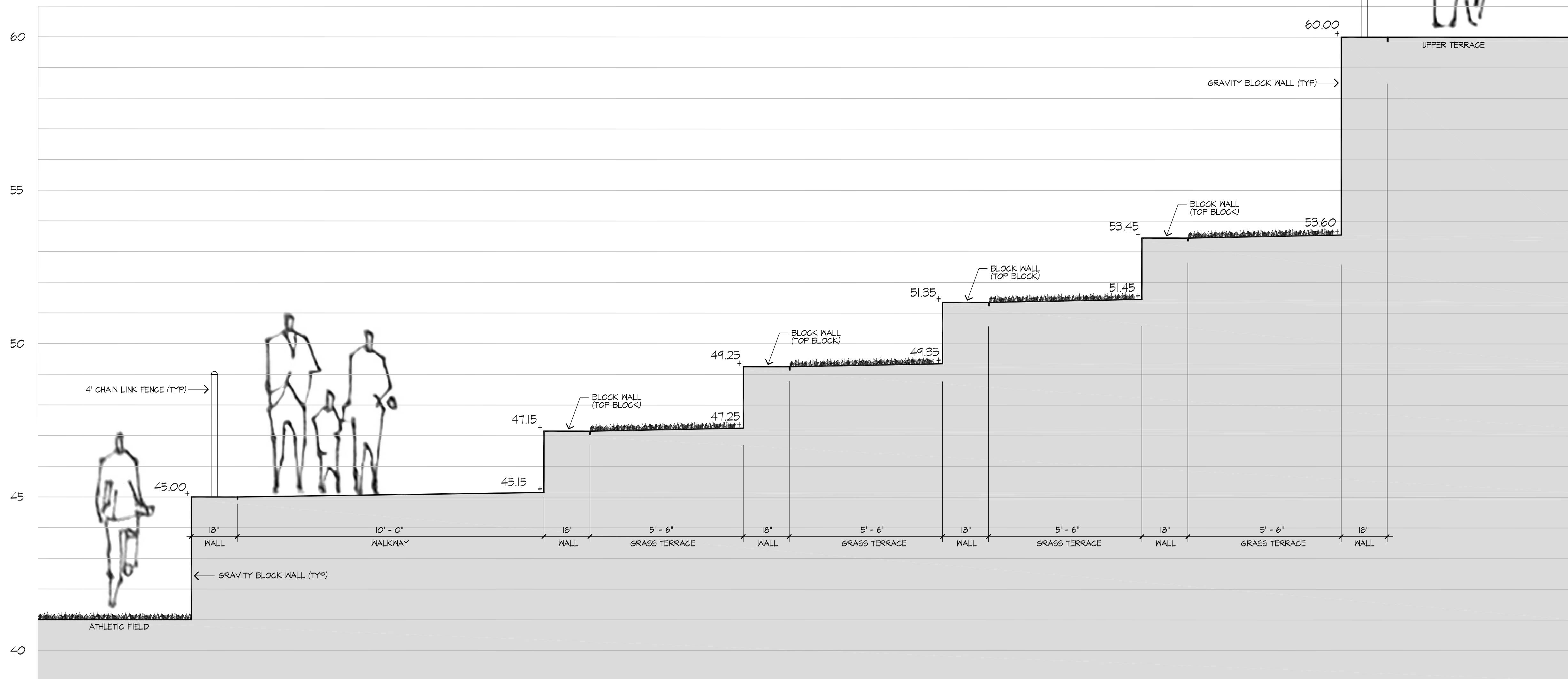
1 RETAINING WALL AND STAIR SECTION

SCALE: 1" = 1'



2 HANDRAIL FOR STEPS

SCALE: NTS



3 WALKWAY AND SEATING AREA CROSS-SECTION

SCALE: 1" = 2'