



NOTICE OF INTENT MASCONOMET REGIONAL SCHOOL DISTRICT SYNTHETIC TURF FIELDS

20 ENDICOTT ROAD
 BOXFORD, MA 01921

PROJECT NO. 210801991
 ISSUED: JANUARY 18, 2024

APPLICANT / OWNER

MASCONOMET REGIONAL SCHOOL DISTRICT
 20 ENDICOTT ROAD
 BOXFORD, MA 01921

LANDSCAPE ARCHITECT / CIVIL ENGINEER

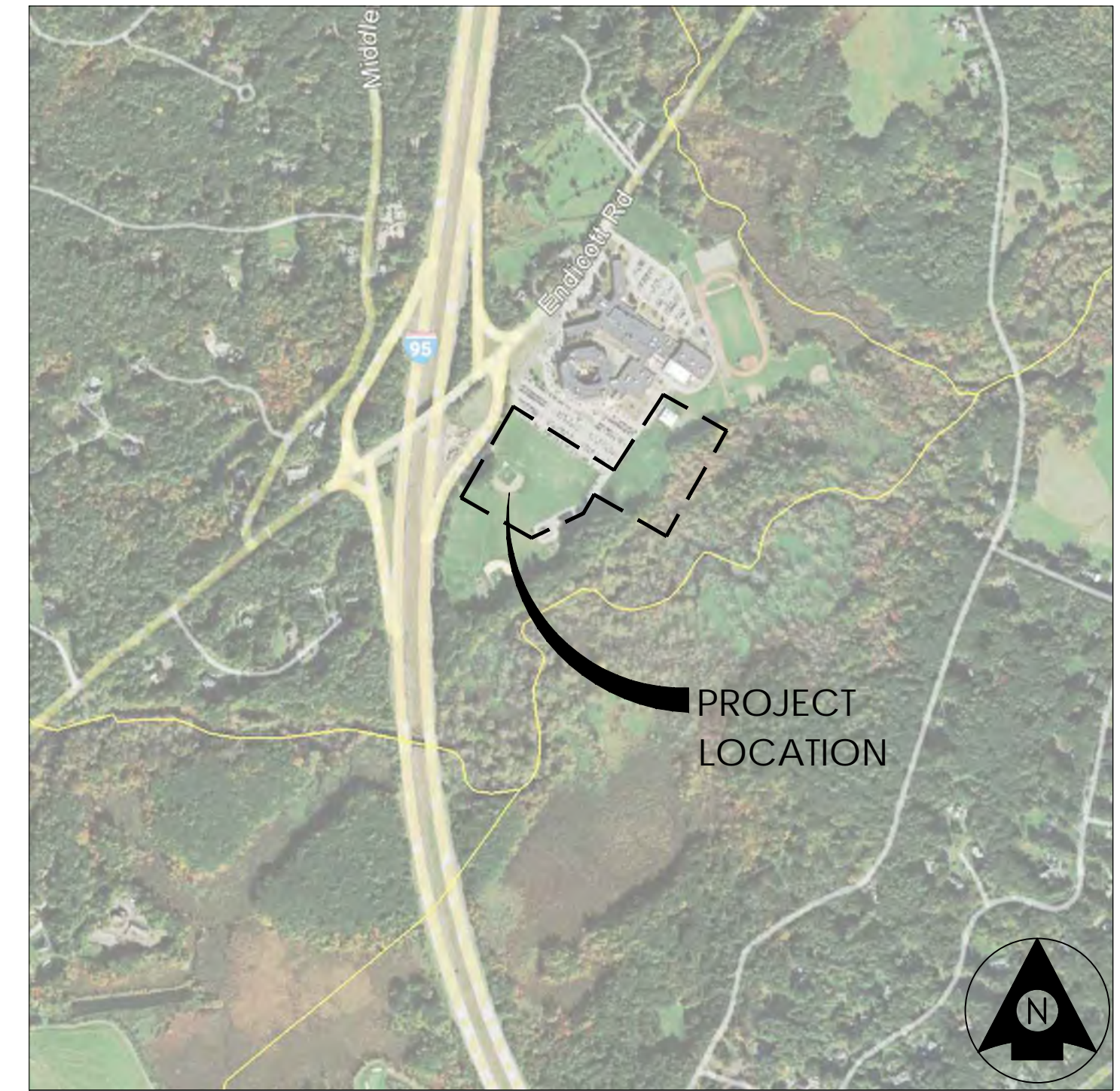
STANTEC PLANNING AND LANDSCAPE ARCHITECTURE P.C.
 40 WATER STREET, 3RD FLOOR
 BOSTON, MA 02109

ARCHITECT

STANTEC
 45 NETWORK DRIVE
 BURLINGTON, MA 01803

SURVEYOR

PRECISION LAND SURVEYING INC.
 32 TURNPIKE ROAD
 SOUTHBOROUGH, MA 01772



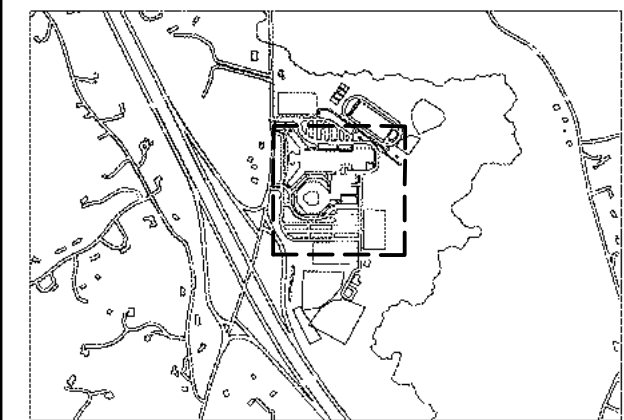
VICINITY MAP
 NOT TO SCALE

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BOXFORD CONSERVATION COMMISSION NOTICE OF INTENT	
<u>OWNER: MASCONOMET REGIONAL SCHOOL DISTRICT</u>	
<u>20 ENDICOTT ROAD, BOXFORD, MA 01921</u>	
<u>TAX MAP 43 BLOCK 01 LOT 01</u>	
<u>DESCRIPTION: IMPROVEMENTS TO EXISTING ATHLETIC FIELDS</u>	
<u>REVISIONS:</u>	
<u>ISSUED FOR NOTICE OF INTENT</u>	<u>01.18.2024</u>
01.18.2024	

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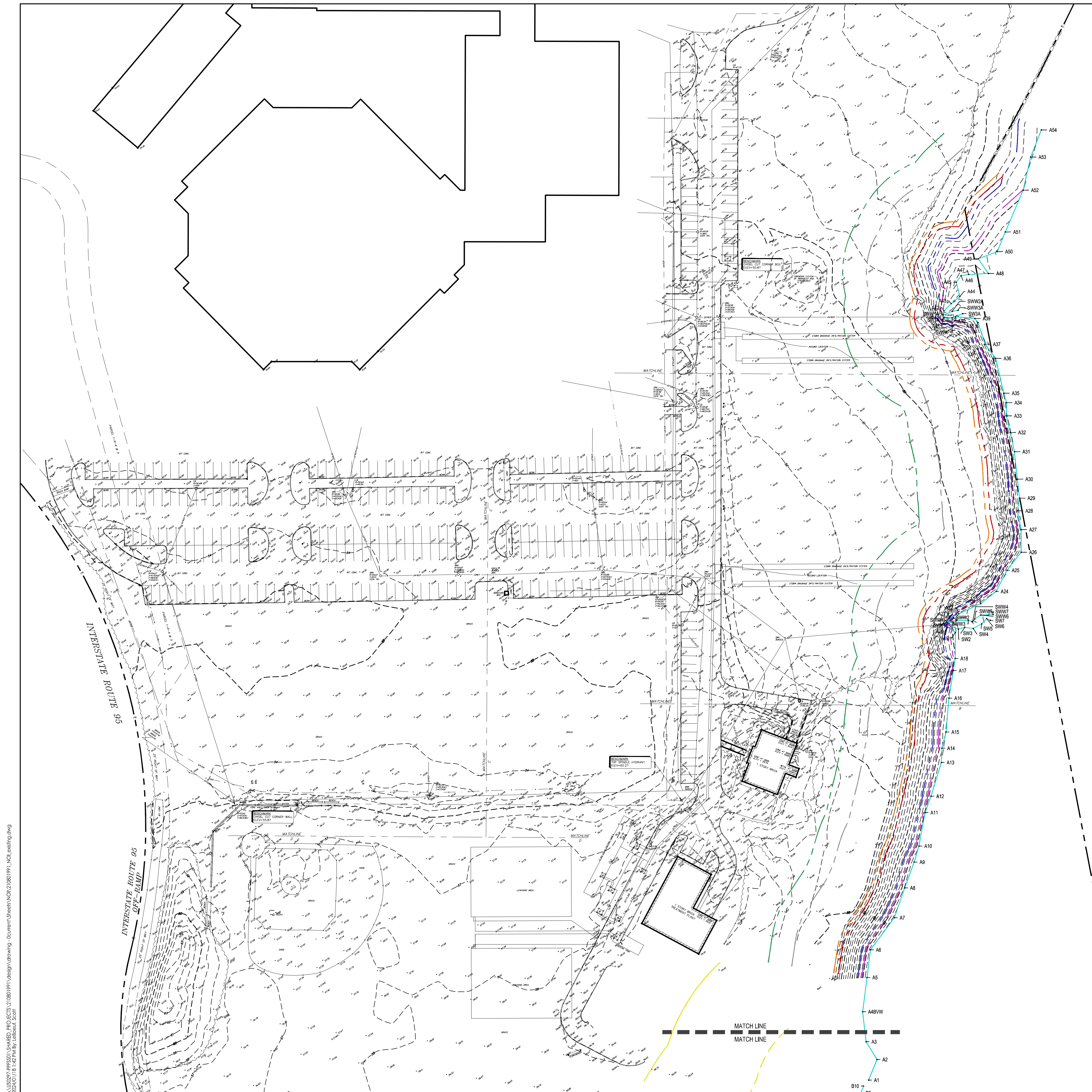
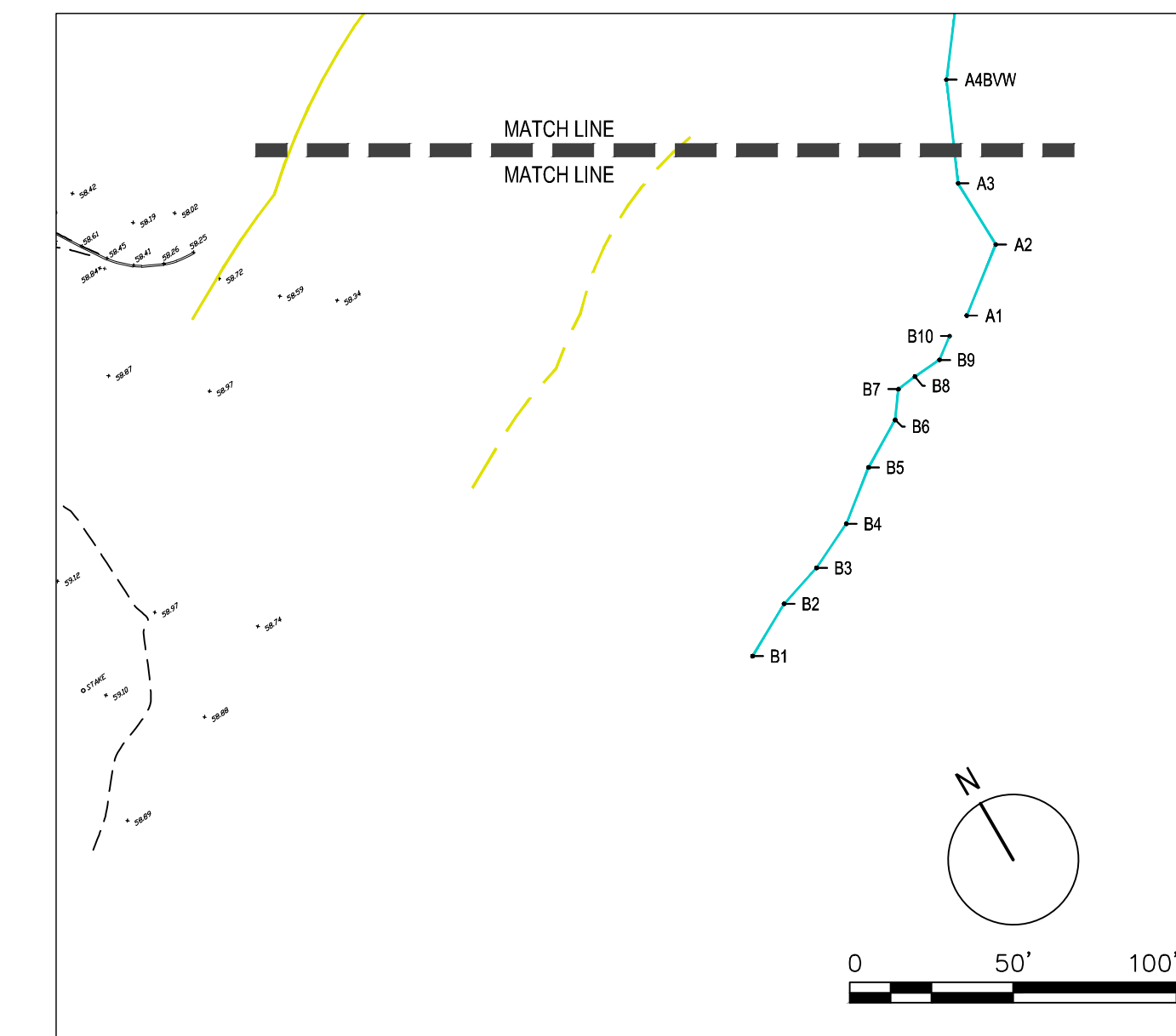


- NOTES**
- ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 AS DETERMINED BY GPS OBSERVATIONS AND AN OPUS REDUCTION PERFORMED AUGUST 3, 2023.
 - WETLAND RESOURCE AREAS DEPICTED WERE DELINEATED BY STANTEC ON AUGUST 1 AND AUGUST 2, 2023
 - THIS PLAN AND THE SURVEY ON WHICH IT IS BASED WERE PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND ARE SUBJECT TO THE FINDINGS SUCH A REPORT MAY DISCLOSE.

FLOOD NOTE
BY GRAPHIC PLOTTING ONLY, THE AREA SHOWN HEREON IS LOCATED IN ZONES X, (SHADED AND NON-SHADED) AND AE AS SHOWN ON FLOOD INSURANCE RATE MAP No. 25009C0263F, EFFECTIVE DATE JULY 3, 2012.

- LEGEND**
- BERM BITUMINOUS CONCRETE BERM
 - BIT CONC BITUMINOUS CONCRETE
 - CB CATCH BASIN
 - CC CONCRETE CURB
 - CONC CONCRETE
 - DMH DRAIN MANHOLE
 - GG GAS GATE
 - GM GAS METER
 - HYD HYDRANT
 - I= INVERT
 - LP LIGHT POLE
 - LS LANDSCAPED
 - MC METAL COVER
 - MH MANHOLE
 - P POST
 - R= RIM
 - RCP REINFORCED CONCRETE PIPE
 - S SIGN
 - SMH SEWER MANHOLE
 - TMH TELEPHONE MANHOLE
 - ~ TREE LINE
 - ~ LANDSCAPED LINE

- PROPERTY LINE
- BORDERING VEGETATED WETLAND
- AE ZONE ELEV. 40 FEMA 100 YEAR FLOOD ZONE BORDERING LAND SUBJECT TO FLOODING (LSF)
- ZONE X
- 25' NO DISTURB'
- 30' MINIMUM SETBACK FOR ASSUMED RETAINING WALLS, OTHER SOLID IMPERVIOUS CONSTRUCTION
- 75' BUFFER ZONE
- 100' BUFFER ZONE
- 0'-100' OUTER RIPARIAN ZONE RIVER FRONT AREA
- 100'-200' OUTER RIPARIAN ZONE RIVER FRONT AREA



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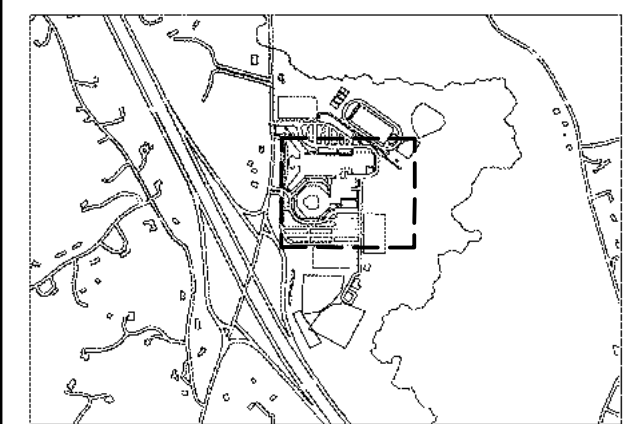
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Consultants

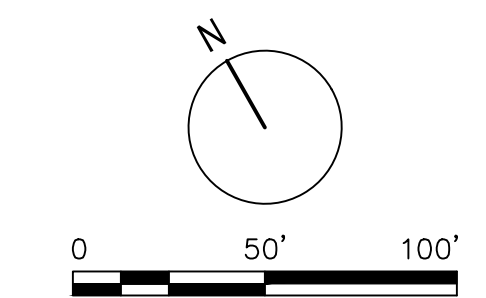
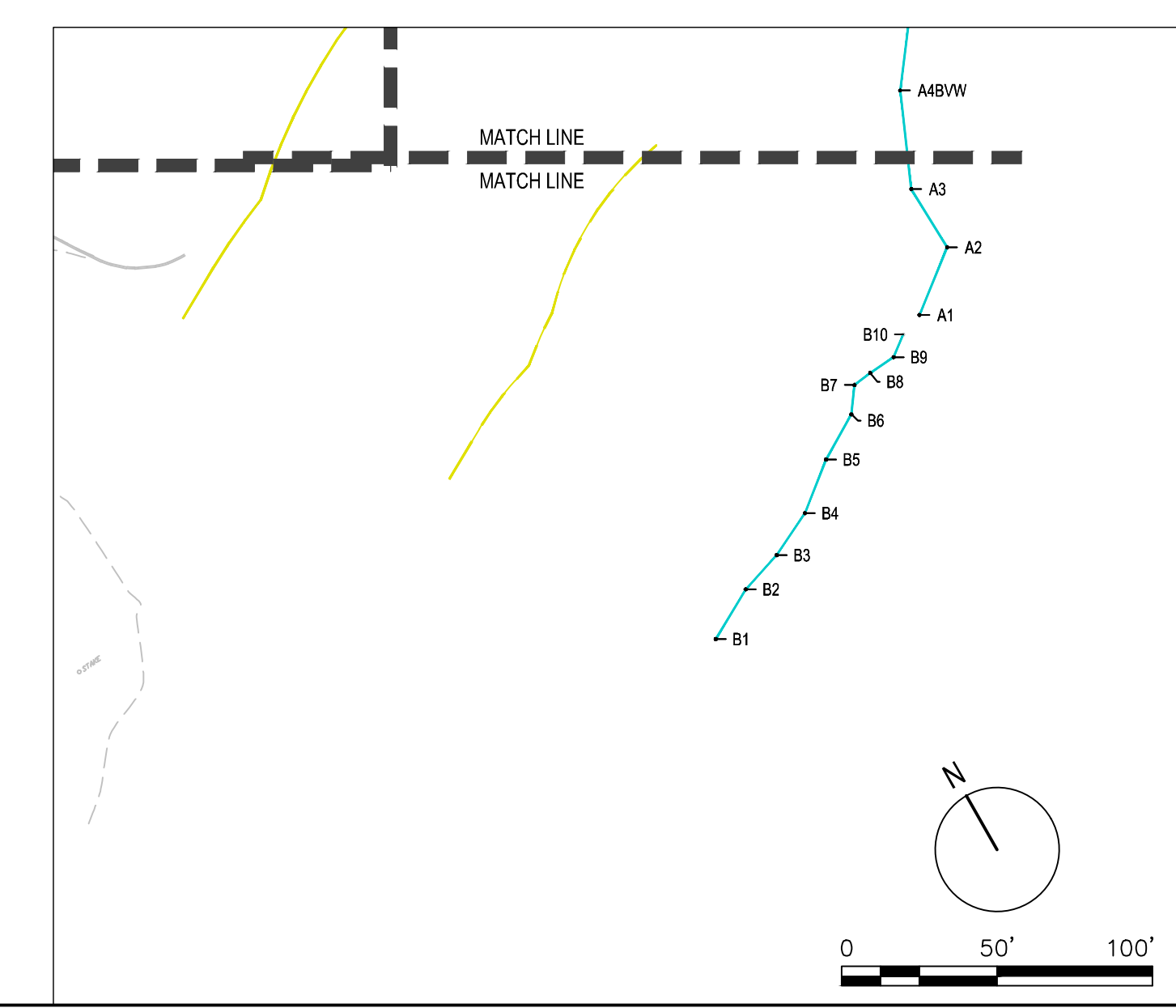
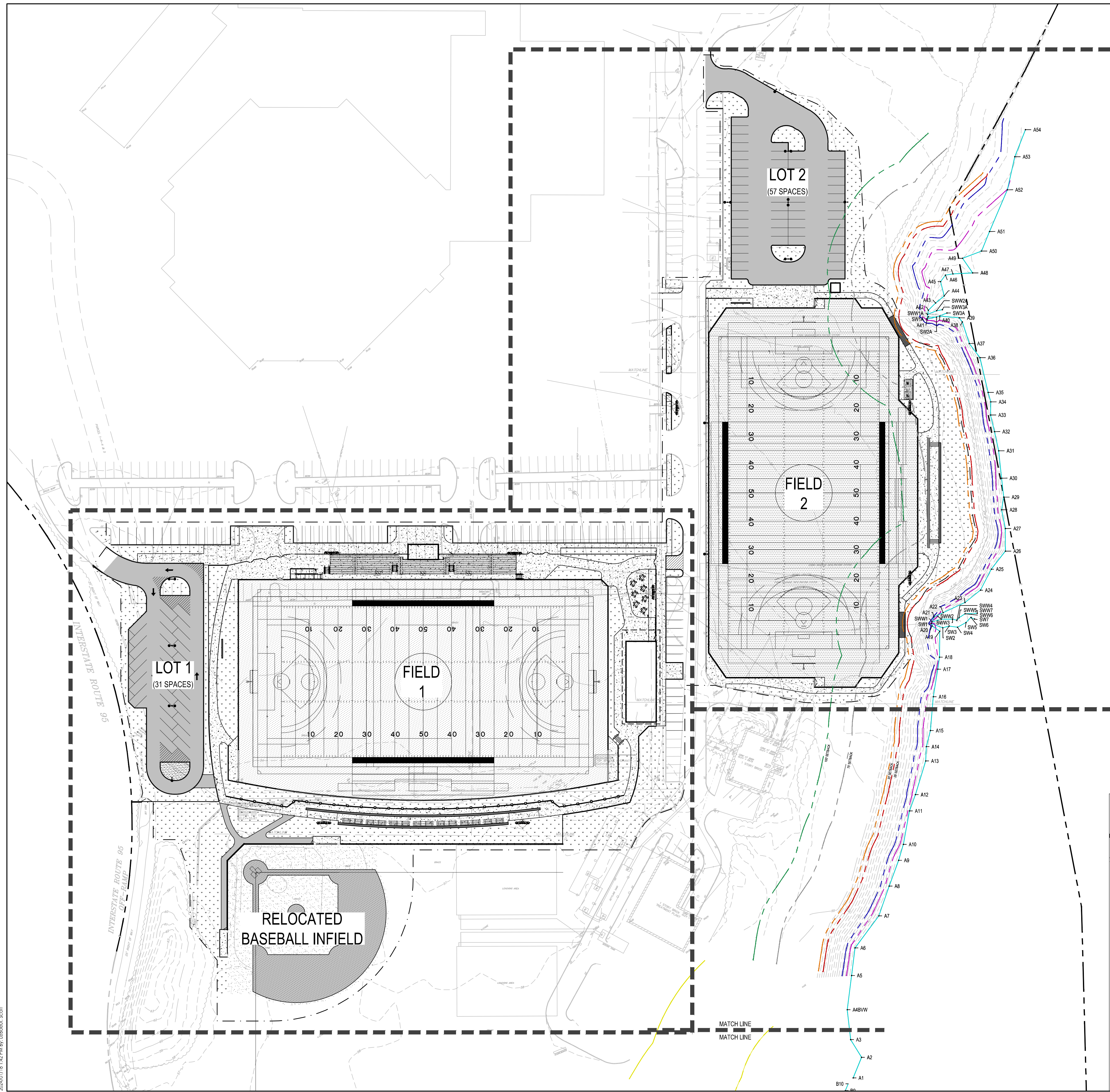
Notes

Locus Map



LEGEND

- PROPERTY LINE
- LIMIT OF WORK LINE
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- CENTERLINE
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- SITE LIGHTING TYPE 2
- ATHLETIC FIELD LIGHTING
- SITE RETAINING WALL
- SITE FREE STANDING WALL
- BITUMINOUS CONCRETE PAVEMENT
- CEMENT CONCRETE PAVEMENT
- METAL GRATE BOARDWALK
- LANDSCAPED AREA
- SYNTHETIC TURF FIELD CONSTRUCTION
- FOOTBALL GOALPOST
- SCOREBOARD
- SINGLE GATE
- DOUBLE GATE



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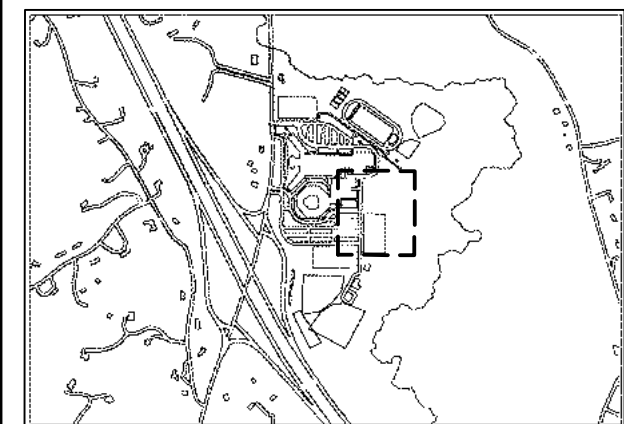


Client/Project
 MASCONOMET REGIONAL
 SCHOOL DISTRICT
 SYNTHETIC TURF FIELDS
 NOTICE OF INTENT
 BOXFORD, MA

Project No.: 210801991
 Scale: AS NOTED

Title
 OVERALL SITE PLAN

Drawing No.
GI-101



SITE PREPARATION NOTES

- EXISTING CONDITIONS INFORMATION IS REPRODUCED FROM THE SURVEY PREPARED BY PRECISION LAND SURVEYING, INC. OF SOUTHBOROUGH, MA AND IS DATED 07 AUGUST 2023.
- 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 OWNER'S REPRESENTATIVE 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 OWNER'S REPRESENTATIVE PRIOR TO STARTING WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING CONDITIONS TO REMAIN THAT ARE DUE TO CONTRACTOR OPERATIONS.
- 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 BASED ON THE SURVEY REFERENCED ABOVE. 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 COORDINATE ALL ADJUSTMENT OR ABANDONMENT OF UTILITIES WITH THE RESPECTIVE UTILITY COMPANY.
- 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.

CONSTRUCTION SEQUENCE

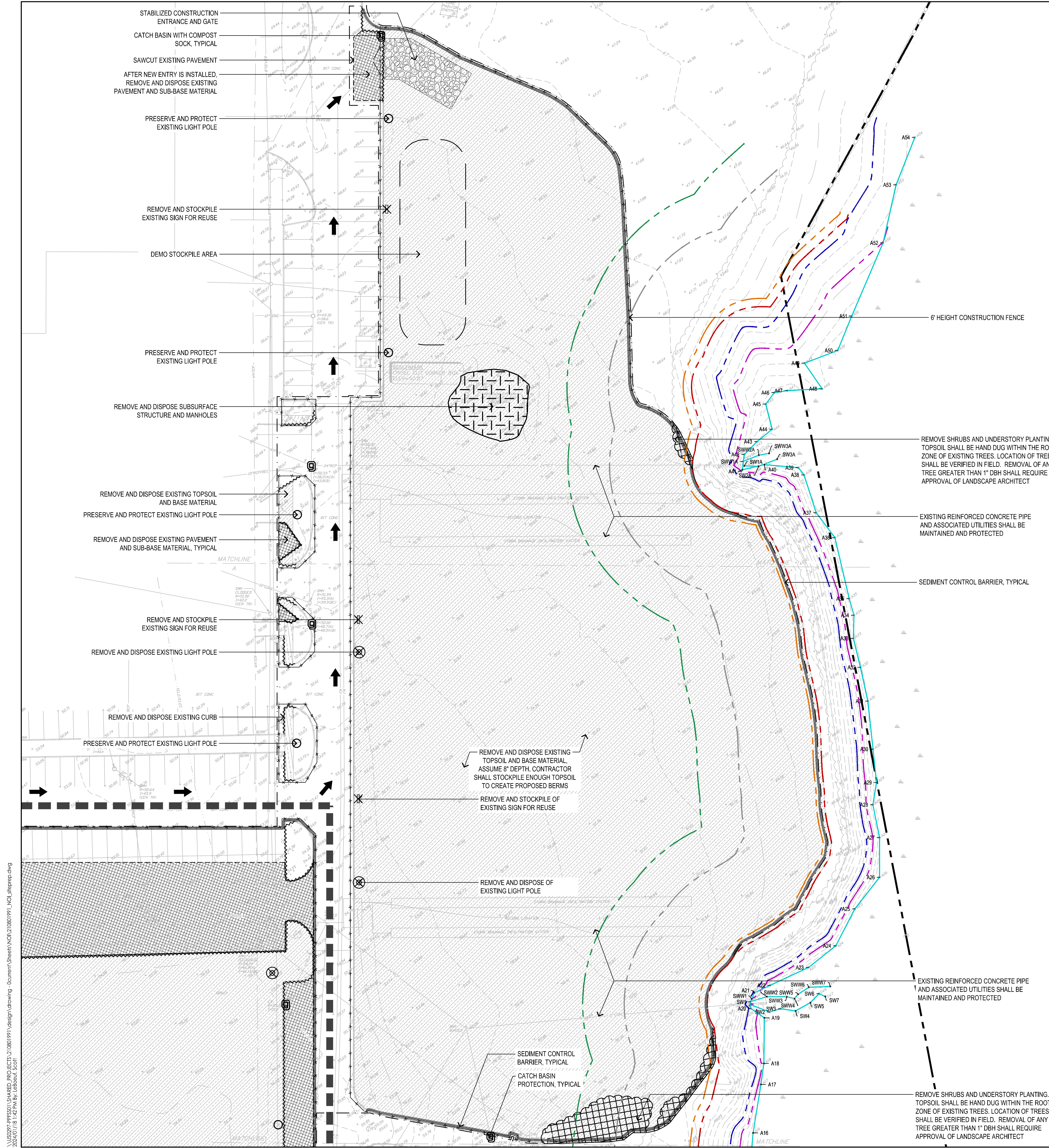
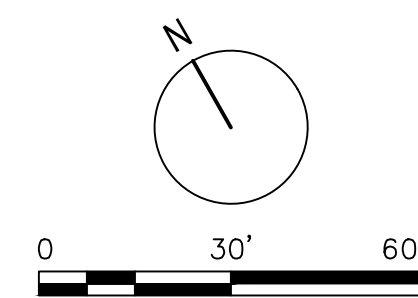
- CONSTRUCT TEMPORARY AND PERMANENT EROSION CONTROL FACILITIES. EROSION CONTROL FACILITIES SHALL BE INSTALLED PRIOR TO ANY EARTHMOVING.
- ALL PERMANENT DITCHES AND SWALES ARE TO BE STABILIZED WITH VEGETATION OR RIP-RAP PRIOR TO DIRECTING RUNOFF TO THEM.
- CLEAR CUT, DEMOLISH, AND DISPOSE OF EXISTING SITE ELEMENTS NOT TO REMAIN.
- GRADE AND GRAVEL ALL PAVED AREAS. ALL PROPOSED PAVED AREAS SHALL BE STABILIZED IMMEDIATELY AFTER GRADING.
- BEGIN ALL PERMANENT AND TEMPORARY SEEDING AND MULCHING. ALL CUT AND FILL SLOPES SHALL BE SEEDING AND MULCHED IMMEDIATELY AFTER THEIR CONSTRUCTION.
- DAILY, OR AS REQUIRED, CONSTRUCT TEMPORARY BERMS, DRAINS, DITCHES, SILT FENCES, MULCH AND SEED AS REQUIRED.
- FINISH PAVING ALL HARD SURFACE AREAS.
- INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES.
- COMPLETE PERMANENT SEEDING AND LANDSCAPING.
- REMOVE TEMPORARY EROSION CONTROL MEASURES.
- THE CONSTRUCTION SEQUENCE SHALL BE CONFINED TO THE LIMIT OF GRADING AS SHOWN ON THE DRAWINGS.
- UPON COMPLETION OF CONSTRUCTION THE OWNER SHALL AGREE TO MAINTAIN AND CLEAN ALL DRAINAGE STRUCTURES ON A YEARLY BASIS.

EROSION PREVENTION AND SEDIMENT CONTROL MEASURES

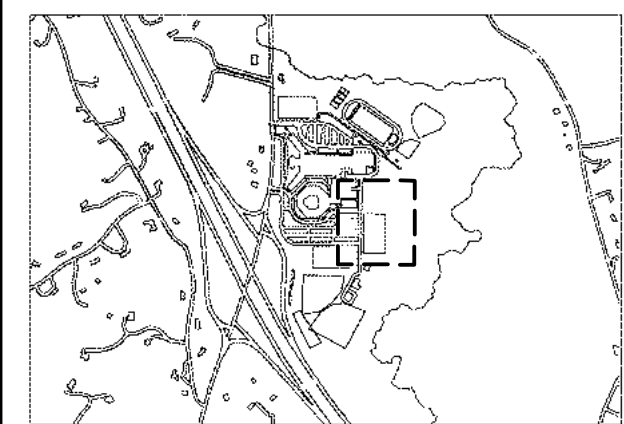
- ALL SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY SITE EXCAVATION OR DISTURBANCE AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS. THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME.
- SEDIMENT TRAPS SHALL BE INSTALLED AT ALL DRAINAGE STRUCTURES. SEDIMENT CONTROL DEVICES SHALL BE CLEANED OF SEDIMENT WHEN IT REACHES ONE-THIRD OF THE CAPACITY OR EXPOSED HEIGHT.
- MULCH SHALL BE MOWINGS OF ACCEPTABLE HERBACEOUS GROWTH, FREE OF NOXIOUS WEEDS OR WOODY STEMS, AND SHALL BE DRY WHEN INSTALLED.
- STABILIZE SLOPES GREATER THAN 3:1 (HORIZONTAL:VERTICAL) WITH SEED, SECURED GEOTEXTILE FABRIC, SPRAYED COMPOST BLANKET, OR RIP-RAP AS REQUIRED TO PREVENT EROSION DURING CONSTRUCTION.
- FINAL CLEAN OUT CATCH BASINS, DRAIN MANHOLES, STORM DRAIN PIPES, AND DETENTION BASINS AFTER COMPLETION OF CONSTRUCTION.
- ALL COLLECTED SEDIMENT SHALL BE DISPOSED OF PROPERLY TO AN APPROVED LOCATION.
- THE BOTTOM OF SEDIMENTATION BASINS SHALL BE PERIODICALLY CLEANED PER THE DIRECTION OF THE OWNER'S REPRESENTATIVE. DISPOSE OF SEDIMENT PROPERLY.
- AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED, CONTRACTOR TO REMOVE ALL TEMPORARY CONTROL MEASURES AT THE OWNER'S REPRESENTATIVES DIRECTION.
- DAMAGED OR DETERIORATED ITEMS WILL BE REPAIRED IMMEDIATELY AFTER IDENTIFICATION OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR'S SITE SUPERINTENDENT WILL BE RESPONSIBLE FOR DAILY INSPECTIONS, MAINTENANCE, AND REPAIR ACTIVITIES.

LEGEND

	PROPERTY LINE		DEMO STOCKPILE AREA
	LIMIT OF WORK LINE		EXISTING UTILITY TO BE PRESERVED
	BORDERING VEGETATED WETLAND		EXISTING UTILITY TO BE REMOVED
	AE ZONE ELEV. 40 FEMA 100 YEAR FLOOD ZONE BORDERING LAND SUBJECT TO FLOODING (LSF)		EXISTING SIGN TO BE REMOVED
	ZONE X		BITUMINOUS CONCRETE PAVEMENT REMOVAL
	25' NO DISTURB'		TOPSOIL AND BASE MATERIAL REMOVAL
	30' MINIMUM SETBACK FOR ASSUMED RETAINING WALLS, OTHER SOLIDIMPERVIOUS CONSTRUCTION		EXISTING VEGETATION TO BE CLEARED AND GRUBBED
	75' BUFFER ZONE		CONSTRUCTION ACCESS
	100' BUFFER ZONE		CATCH BASIN PROTECTION
	0'-100' OUTER RIPARIAN ZONE RIVER FRONT AREA		
	100'-200' OUTER RIPARIAN ZONE RIVER FRONT AREA		
	MATCH LINE		
	CONSTRUCTION FENCE		
	REMOVE AND DISPOSE EXISTING CURB		
	SEDIMENT CONTROL BARRIER		
	CONSTRUCTION ENTRANCE		



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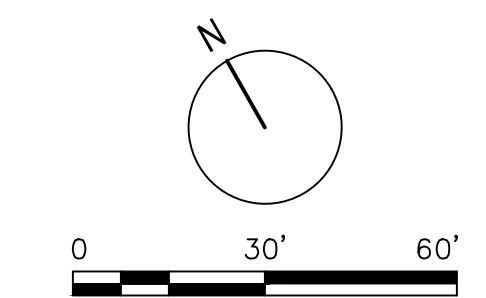
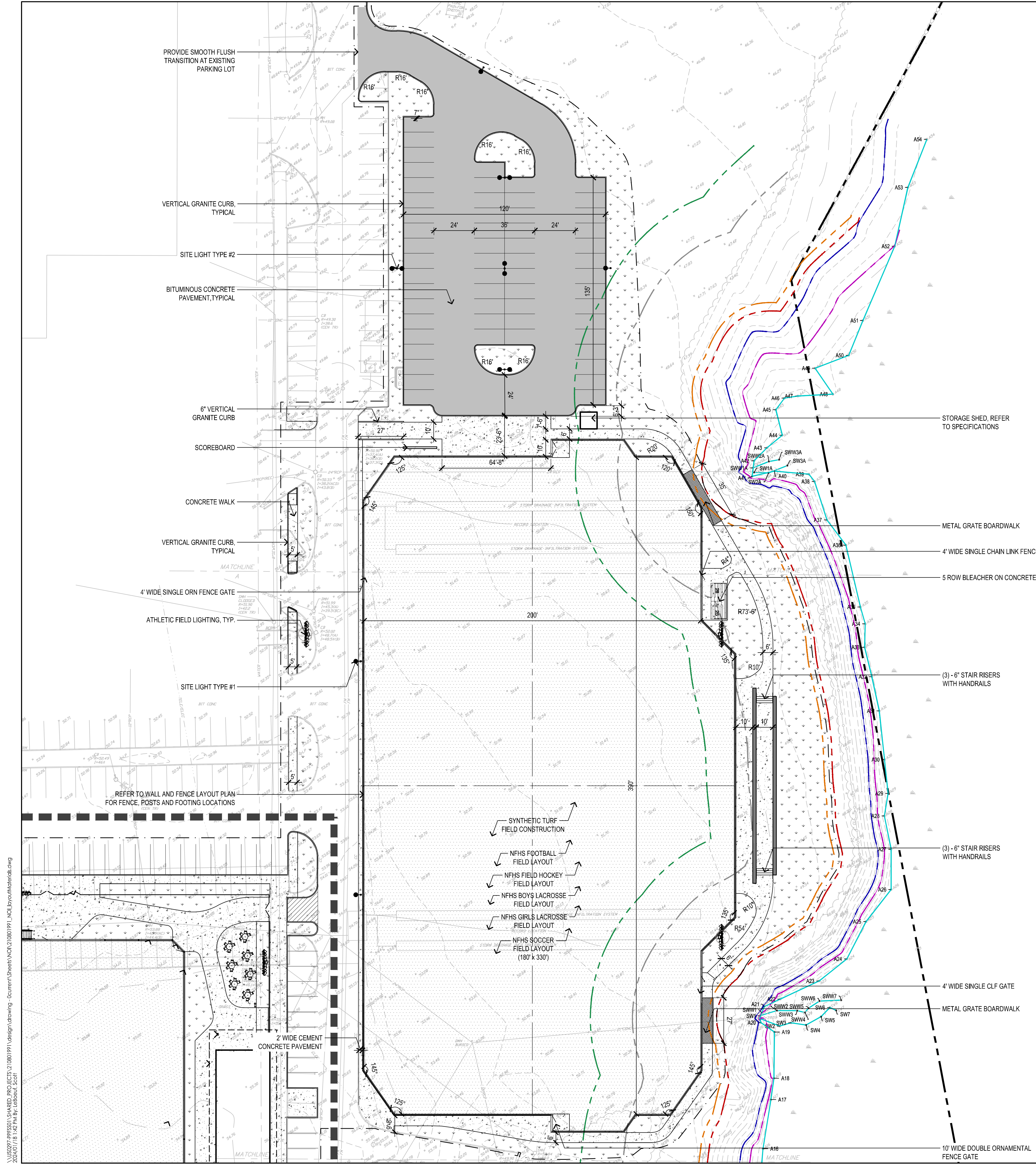


LAYOUT AND MATERIAL NOTES

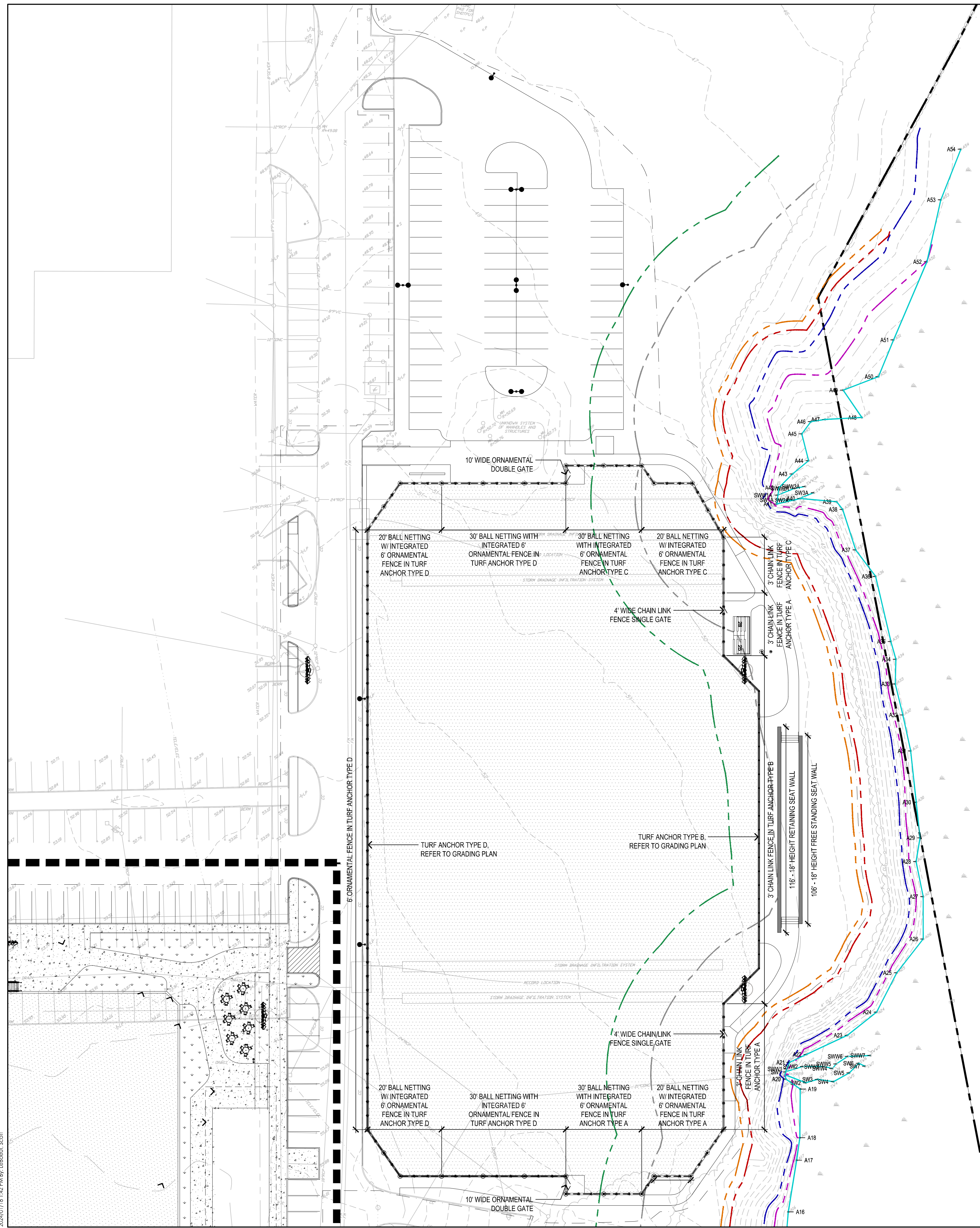
- EXISTING CONDITIONS INFORMATION IS REPRODUCED FROM THE SURVEY PREPARED BY PRECISION LAND SURVEYING, INC. OF SOUTHBOROUGH, MA, AND IS DATED 07 AUGUST 2023.
- THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ARE BASED ON THE SURVEY REFERENCED ABOVE. THE CONTRACTOR SHALL NOTIFY DIGSAFE AND THE PROPER LOCAL 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.
- CONTRACTOR(S) SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL CONSTRUCTION DOCUMENTS, SPECIFICATIONS, AND SITE CONDITIONS PRIOR TO BIDDING AND PRIOR TO CONSTRUCTION.
- ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, AND SITE CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE OWNERS REPRESENTATIVE FOR CLARIFICATION AND RESOLUTION PRIOR TO BIDDING OR CONSTRUCTION.
- ACCESSIBLE CURB RAMPS SHALL BE PER THE MASSACHUSETTS ARCHITECTURAL ACCESS BOARD (AAB) AND THE AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES, WHICHEVER IS MORE STRINGENT.
- THE FOLLOWING LAYOUT CRITERIA SHALL CONTROL UNLESS OTHERWISE NOTED ON THE PLAN: ALL DIMENSIONS ARE TO FACE OF CURB AT GUTTER LINE. ALL DIMENSIONS ARE TO CENTER OF PAVEMENT MARKINGS. ALL TIES TO PROPERTY LINES ARE PERPENDICULAR TO THE PROPERTY LINE UNLESS OTHERWISE NOTED.
- 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.

LEGEND

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- LIMIT OF WORK LINE
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LAYOUT AND MATERIAL NOTES

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- THE FOLLOWING LAYOUT CRITERIA SHALL CONTROL UNLESS OTHERWISE NOTED ON THE PLAN: ALL DIMENSIONS ARE TO FACE OF CURB AT GUTTER LINE. ALL DIMENSIONS ARE TO CENTER OF PAVEMENT MARKINGS. ALL TIES TO PROPERTY LINES ARE PERPENDICULAR TO THE PROPERTY LINE UNLESS OTHERWISE NOTED.
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- MATCH LINE
- SITE RETAINING WALL
- SITE FREE STANDING WALL
- SINGLE GATE
- DOUBLE GATE
- BALL NETTING POST
- FENCE POST
- BALL NETTING W/ INTEGRATED FENCE
- FENCE

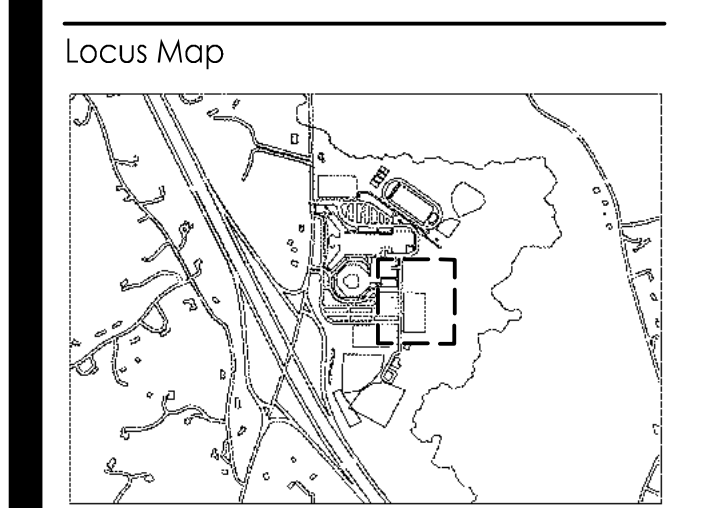


Stantec Planning and Landscape Architecture P.C.
 40 Water Street, 3rd Floor
 Boston, MA 02109 U.S.A.
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 www.stantec.com

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Consultants

Notes



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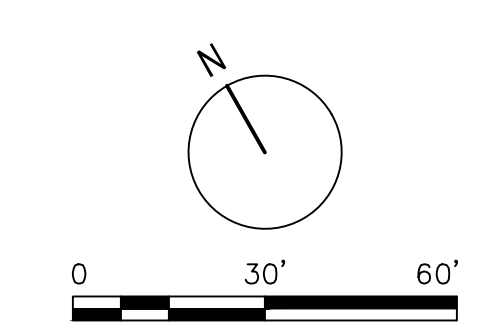
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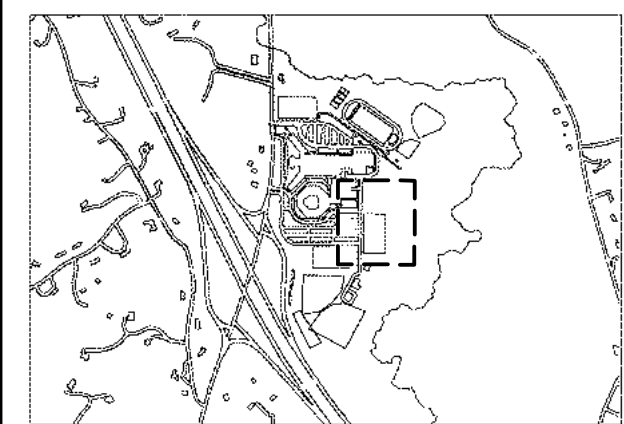
Client/Project
 MASCONOMET REGIONAL SCHOOL DISTRICT
 SYNTHETIC TURF FIELDS
 NOTICE OF INTENT
 BOXFORD, MA

Project No.: 210801991
 Scale: AS NOTED
 Title
 WALL AND FENCE LAYOUT PLAN

Drawing No.
LS-102



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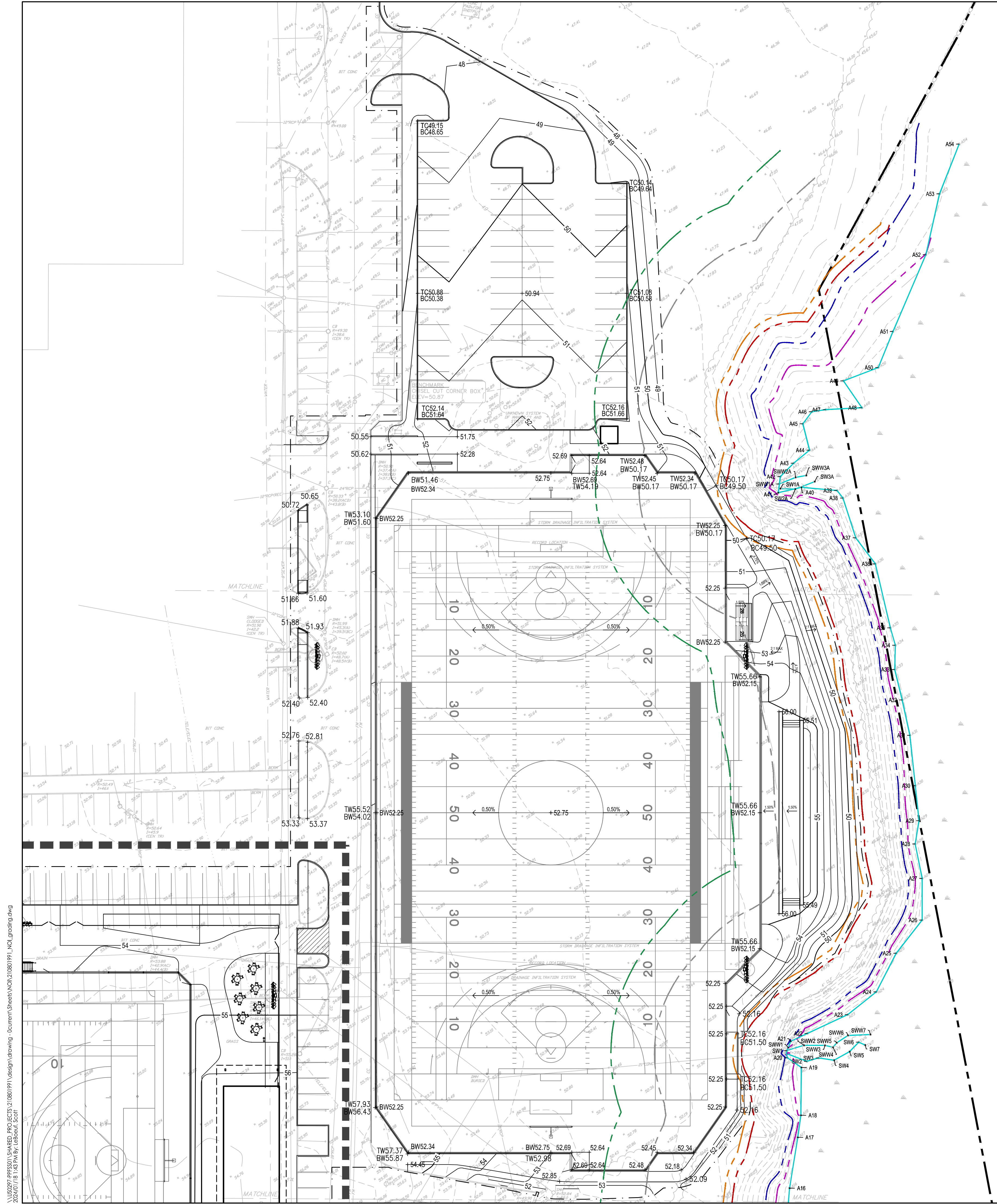


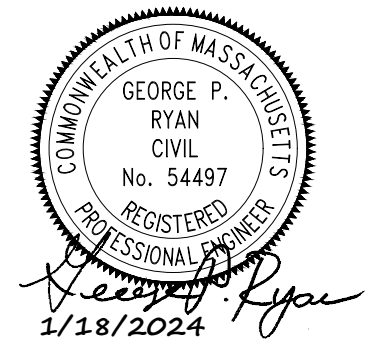
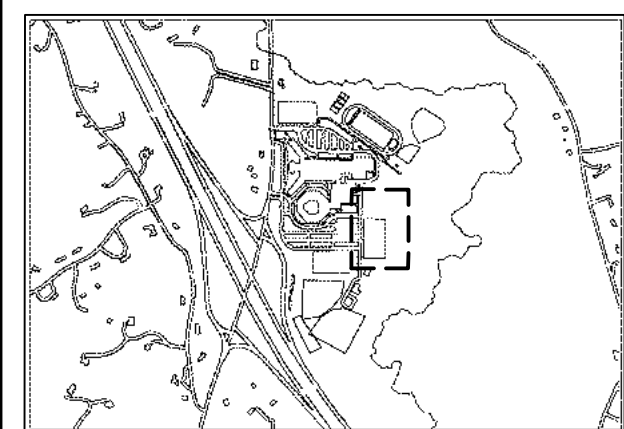
GRADING NOTES

- EXISTING CONDITIONS INFORMATION IS REPRODUCED FROM THE SURVEY PREPARED BY PRECISION LAND SURVEYING, INC. OF SOUTHBOROUGH, MA, AND IS DATED 07 AUGUST 2023.
- PRIOR TO THE START OF ANY EXCAVATION FOR THE PROJECT, BOTH ON AND OFF THE SITE, THE CONTRACTOR SHALL NOTIFY DIGSAFE AND BE PROVIDED WITH A DIGSAFE NUMBER INDICATING THAT ALL EXISTING UTILITIES HAVE BEEN LOCATED AND MARKED.
- WHERE PROPOSED GRADES MEET EXISTING GRADES, CONTRACTOR SHALL BLEND GRADES TO PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING AND NEW WORK. PONDING AT TRANSITION AREAS WILL NOT BE ALLOWED.
- CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL BUILDING FOUNDATIONS, STRUCTURES AND PLANTING BEDS.
- MAXIMUM SLOPE IN DISTURBED AREAS SHALL NOT EXCEED 3:1, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL MEET THE REQUIREMENTS OF 521 CMR OF THE ARCHITECTURAL ACCESS BOARD REGULATIONS. ALL GRADES ON WALKWAYS, RAMPS, CURB CUTS AND PARKING AREAS AS DEFINED BY 521 CMR SHALL COMPLY WITH THE MAXIMUM ALLOWABLE GRADES. GRADES SHALL BE MEASURED AT TWO FOOT INTERVALS. CROSS SLOPES ON ALL WALKS, PATHS OF TRAVEL AND ACCESSIBLE ROUTES AS DEFINED IN 521 CMR SHALL NOT EXCEED 1.5%. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IF DISCREPANCIES ARISE BETWEEN THE ACTUAL GRADES SHOWN ON THE PLANS AND THE MAXIMUM ALLOWABLE GRADES INDICATED IN 521 CMR.
- ALL WALKWAYS SHALL BE GRADED TO A MAXIMUM 4.75% RUNNING SLOPE (PARALLEL TO THE DIRECTION OF TRAVEL). THE CROSS PITCH OF ALL WALKWAYS, PATHS AND PLAZAS SHALL NOT EXCEED 1.5% (PERPENDICULAR TO THE DIRECTION OF TRAVEL). THE SLOPE OF ALL RAMPS AND SIDE SLOPES OF HANDICAP CURB CUTS AS DEFINED BY SECTION 21.1 OF 521 CMR SHALL BE CONSTRUCTED AT 7.5% MAXIMUM. RAMPS AS DEFINED IN SECTION 24.1 OF 521 CMR SHALL BE CONSTRUCTED TO A MAXIMUM SLOPE OF 7.5%.
- ENSURE ALL EXISTING (TO REMAIN), AND PROPOSED MANHOLE COVERS PROPERLY IDENTIFY UTILITY SERVICED.
- CONTRACTOR SHALL VERIFY EXISTING GRADES AND NOTIFY OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES.
- BITUMINOUS CONCRETE ELEVATIONS AT CATCH BASINS TO BE 1/4 INCH ABOVE RIM ELEVATION SHOWN FOR CATCH.
- 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.
- 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.

LEGEND

- PROPERTY LINE
- - - LIMIT OF WORK LINE
- BORDERING VEGETATED WETLAND
- AE ZONE ELEV. 40 FEMA 100 YEAR FLOOD ZONE BORDERING LAND SUBJECT TO FLOODING (LSF)
- ZONE X
- 25' NO DISTURB'
- 30' MINIMUM SETBACK FOR ASSUMED RETAINING WALLS, OTHER SOLID IMPERVIOUS CONSTRUCTION
- 75' BUFFER ZONE
- 100' BUFFER ZONE
- 0'-100' OUTER RIPARIAN ZONE RIVER FRONT AREA
- 100'-200' OUTER RIPARIAN ZONE RIVER FRONT AREA
- MATCH LINE
- 110 — PROPOSED CONTOUR MAJOR LINE
- 112 — PROPOSED CONTOUR MINOR LINE
- +51.60 — SPOTGRADE



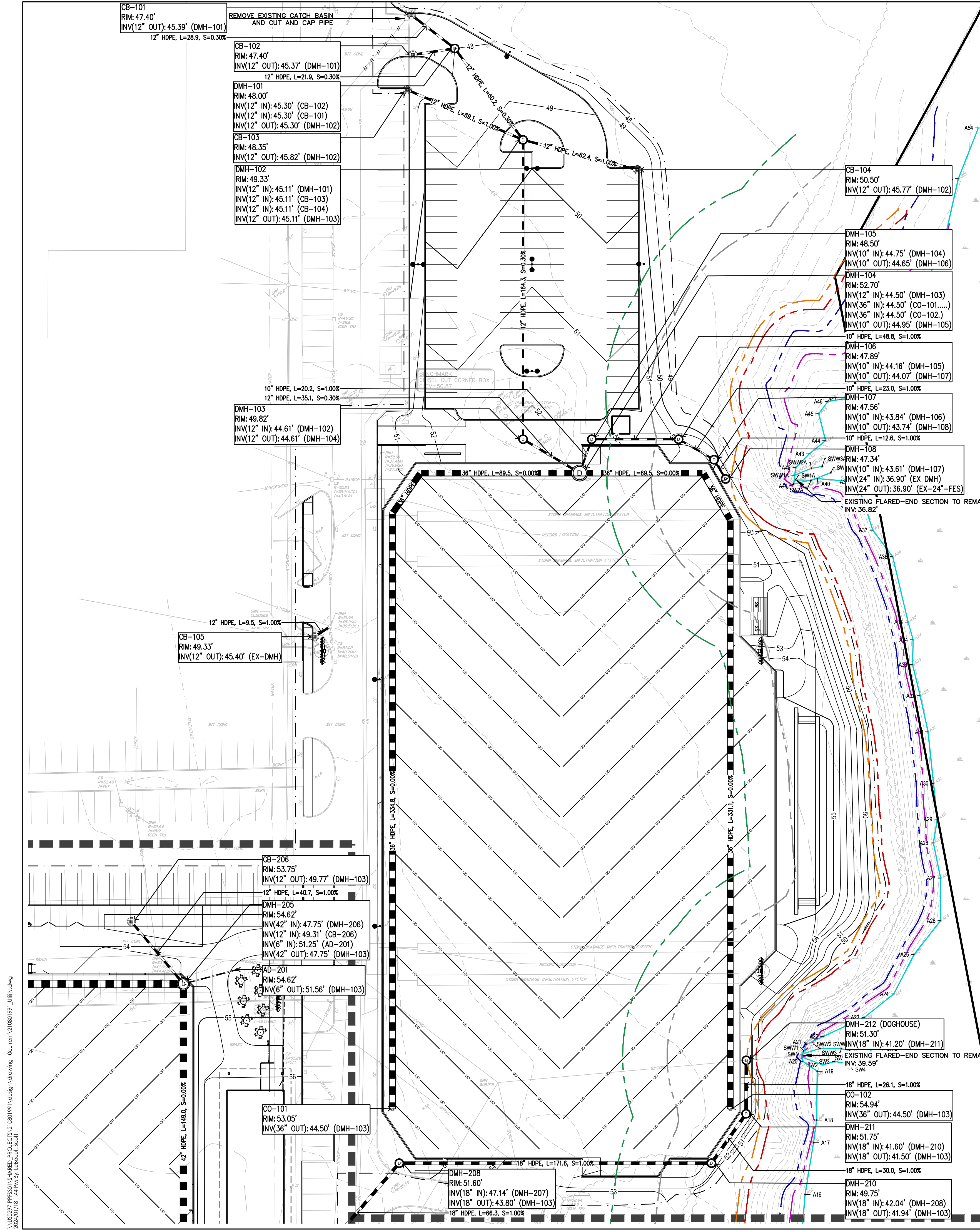
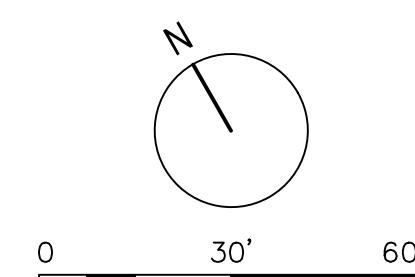


UTILITY NOTES

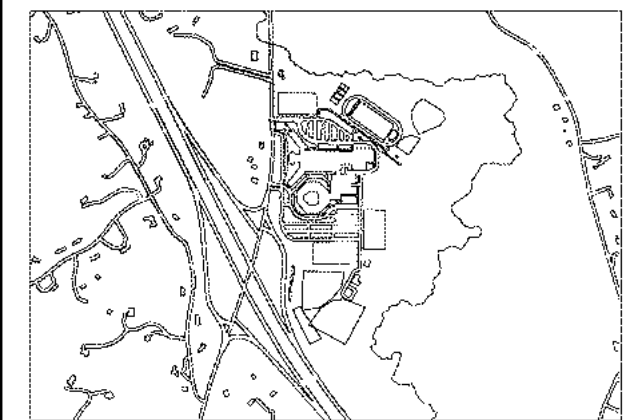
- EXISTING CONDITIONS INFORMATION IS REPRODUCED FROM THE SURVEY PREPARED BY PRECISION LAND SURVEYING, INC. OF SOUTHBOROUGH, MA, DATED AUGUST 7, 2023.
- PRIOR TO THE START OF ANY EXCAVATION FOR THE PROJECT, BOTH ON AND OFF THE SITE, THE CONTRACTOR SHALL NOTIFY DIGSAFE AND BE PROVIDED WITH A DIGSAFE NUMBER INDICATING THAT ALL EXISTING UTILITIES HAVE BEEN LOCATED AND MARKED.
- ALL CONSTRUCTION TO BE DONE IN ACCORDANCE WITH THE TOWN OF BOXFORD PUBLIC WORKS DEPARTMENT SPECIFICATIONS.
- ALL WORK TO BE DONE WITHIN PUBLIC RIGHT-OF-WAYS SHALL CONFORM TO THE REQUIREMENTS AND SPECIFICATIONS OF THE TOWN OF BOXFORD PUBLIC WORKS DEPARTMENT AND/OR THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION.
- THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT MAY BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL MAINTAIN OR ADJUST TO NEW FINISH GRADE, AS NECESSARY, ALL UTILITY AND SITE STRUCTURES SUCH AS LIGHT POLES, SIGN POLES, MANHOLES, CATCH BASINS, HAND HOLES, WATER AND GAS GATES, HYDRANTS, ETC., FROM MAINTAINED UTILITY AND SITE SYSTEMS, UNLESS OTHERWISE NOTED OR DIRECTED BY OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL ALTER THE MASONRY OF THE TOP SECTION OF ALL EXISTING DRAIN AND SEWER STRUCTURES, AS NECESSARY, FOR CHANGES IN GRADE. CONTRACTOR SHALL RESET UTILITY FRAMES, GRATES, AND COVERS MEANT TO BE FLUSH WITH GRADE (CLEANOUTS, UTILITY MANHOLES, CATCH BASINS, INLETS, ETC.) THAT ARE AFFECTED BY SITE WORK OR GRADE CHANGES, WHETHER SPECIFICALLY NOTED ON PLANS OR NOT.
- ALL SEWER PIPES SHALL BE PVC PER ASTM D3034, SDR-35 AND ASTM D1784 WITH RUBBER GASKET JOINTS, UNLESS OTHERWISE NOTED.
- SITE LIGHTING IS SHOWN ON THIS PLAN FOR COORDINATION PURPOSES ONLY. REFER TO ELECTRICAL PLANS FOR EXACT TYPE AND LOCATION.
- AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION, AT THE CONTRACTOR'S EXPENSE.
- THE LOCATION, SIZE, DEPTH, AND SPECIFICATIONS FOR CONSTRUCTION OF PRIVATE UTILITY SERVICES SHALL BE PROVIDED BY, AND APPROVED BY, THE RESPECTIVE UTILITY COMPANY (GAS/TELEPHONE/ELECTRICAL) AND INSTALLED ACCORDING TO THOSE REQUIREMENTS. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION, ALTERATION, OR ADJUSTMENT OF THE UTILITY CONNECTIONS WITH THE RESPECTIVE COMPANIES PRIOR TO ANY UTILITY CONSTRUCTION.
- ALL CEMENT LINED DUCTILE IRON JOINTS AT FITTINGS (CLASS 52) VALVES, AND HYDRANT LATERALS SHALL BE MECHANICAL WITH NEOPRENE GASKETS. JOINTS AT OTHER LOCATIONS SHALL BE PUSH-ON TYPE WITH NEOPRENE OR SYNTHETIC RUBBER GASKETS. ALL WATER GATES SHALL OPEN AS PER MUNICIPAL REQUIREMENTS. ALL WATER LINES SHALL HAVE A MINIMUM OF FIVE FEET OF GROUND COVER AND A MINIMUM SEPARATION OF TEN FEET FROM THE SEWER SYSTEM. AT WATER AND SEWER CROSSINGS, THE WATER LINE SHALL BE ENCASED IN SIX INCHES OF CONCRETE FOR A DISTANCE OF TEN FEET ON EITHER SIDE OF THE CROSSING.
- PROTECT AND MAINTAIN EXISTING ON-SITE DRAINAGE STRUCTURES AND PIPES UNLESS OTHERWISE NOTED.
- THIS PROJECT DISTURBS MORE THAN ONE ACRE OF LAND AND REQUIRES A PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES. AT LEAST 14 DAYS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL FILE AN ELECTRONIC NOTICE OF INTENT (eNOI) WITH THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (U.S. EPA) FOR CONSTRUCTION DISCHARGES ASSOCIATED WITH THIS PROJECT AND MAINTAIN A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) REGULATIONS.
- CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL BUILDING FOUNDATIONS, STRUCTURES AND PLANTING BEDS.
- ENSURE ALL EXISTING (TO REMAIN) AND PROPOSED MANHOLE COVERS PROPERLY IDENTIFY UTILITIES SERVICED.
- BITUMINOUS CONCRETE ELEVATIONS SHALL BE 1/4 INCH ABOVE THE RIM ELEVATION SHOWN FOR EACH CATCH BASIN.
- ALL PROPOSED STORM DRAIN LINES SHALL BE 12" NON-PERFORATED HDPE UNLESS OTHERWISE NOTED ON PLANS.
- REFER TO ARCHITECTURAL/PLUMBING PLANS FOR PROPOSED LOCATION OF UTILITY SERVICE STUBS AT BUILDING. FINAL DESIGN AND LOCATIONS OF UTILITY SERVICE STUBS WILL BE PROVIDED BY THE ARCHITECT.
- ALL EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF ANY EARTH MOVING ACTIVITIES. REFER TO SITE PREPARATION PLAN FOR COMPLETE EROSION AND SEDIMENTATION CONTROLS.
- WHERE AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED WORK, THE CONTRACTOR SHALL ACCURATELY DETERMINE THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY AND TRANSMIT THIS INFORMATION TO THE ENGINEER WITHOUT DELAY.
- ALL PIPING WITHIN 10 FEET OF BUILDING IS COVERED UNDER THE COMMONWEALTH OF MASSACHUSETTS UNIFORM STATE PLUMBING CODE AND IS SHOWN FOR COORDINATION ONLY. REFER TO PLUMBING PLANS AND SPECIFICATIONS FOR UTILITY WORK WITHIN 10 FEET OF BUILDING.
- THE ENGINEER-OF-RECORD SHALL WITNESS INSTALLATION OF ALL SUBSURFACE INFILTRATION SYSTEMS. IF THE SUBSURFACE SOIL CONDITIONS DIFFER FROM THAT SHOWN ON THE PLAN, THE DESIGN SHALL BE MODIFIED AND RESUBMITTED TO THE CITY/TOWN OF BOXFORD FOR APPROVAL PRIOR TO CONTINUING INSTALLATION.
- THE USE OF FIRE HYDRANTS FOR CONSTRUCTION IS NOT PERMITTED WITHOUT PRIOR APPROVAL FROM THE CITY/TOWN OF BOXFORD WATER AND SEWER DEPARTMENT AND FIRE DEPARTMENT.
- CONTRACTOR SHALL COORDINATE ANY WATER SHUT DOWNS THE CITY/TOWN OF BOXFORD WATER AND SEWER DEPARTMENT AND FIRE DEPARTMENT.
- ALL TRENCH EXCAVATION CONTRACTORS SHALL COMPLY WITH MASSACHUSETTS GENERAL LAWS CHAPTER 82A, TRENCH EXCAVATION SAFETY REQUIREMENTS. TO PROTECT THE GENERAL PUBLIC FROM UNAUTHORIZED ACCESS TO UNATTENDED TRENCHES, TRENCH EXCAVATION PERMITS ARE REQUIRED. THIS APPLIES TO ALL TRENCHES ON PUBLIC AND PRIVATE PROPERTY.

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- 75' BUFFER ZONE
- 100' BUFFER ZONE
- 0'-100' OUTER RIPARIAN ZONE RIVER FRONT AREA
- 100'-200' OUTER RIPARIAN ZONE RIVER FRONT AREA
- PROPOSED STORM DRAIN LINE
- UNDERDRAIN
- STORM DRAIN MANHOLE (DMH)
- CATCH BASIN (CB)
- CLEANOUT (CO)
- HDPE
- HIGH-DENSITY POLYETHYLENE



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PLANTING NOTES

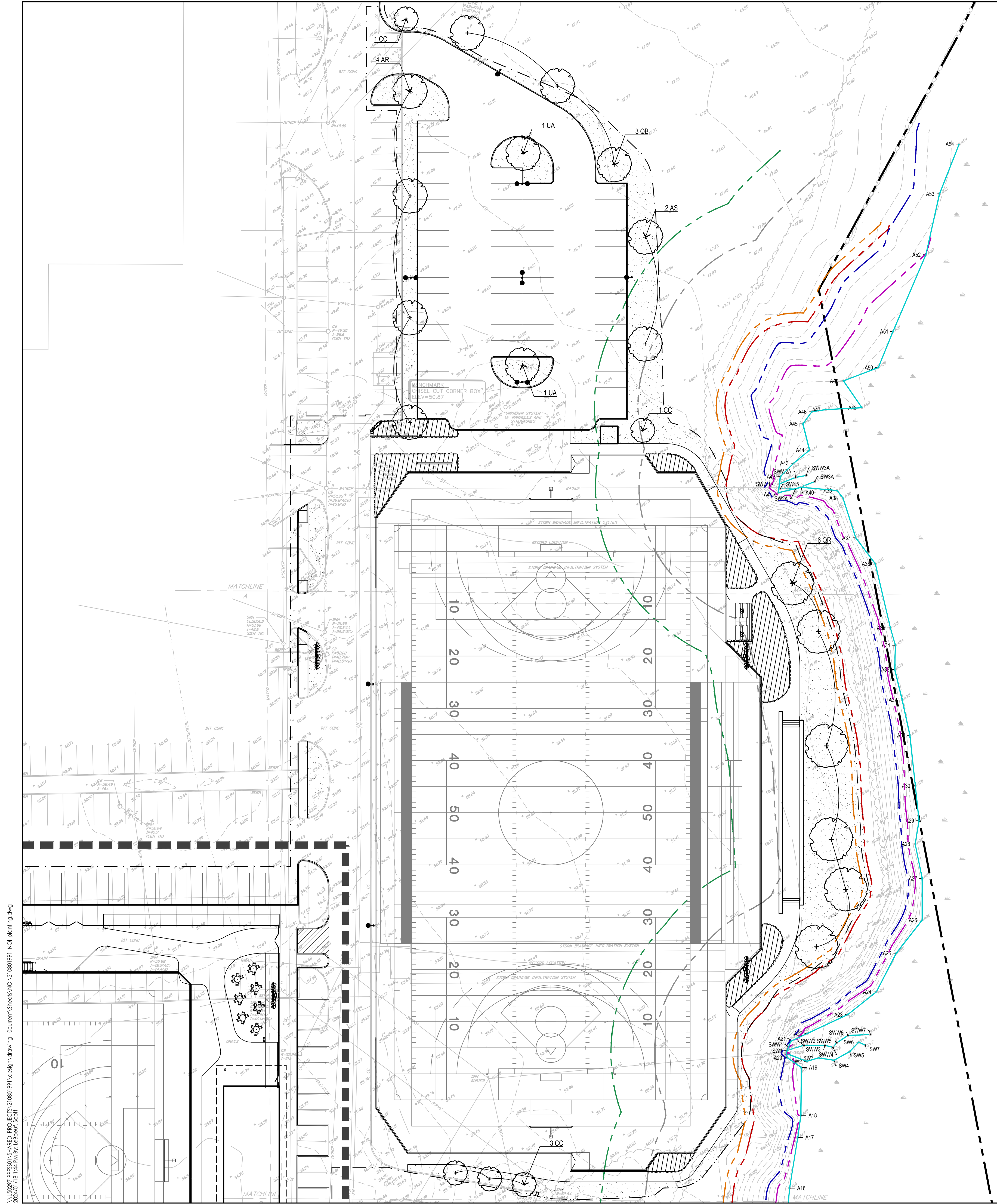
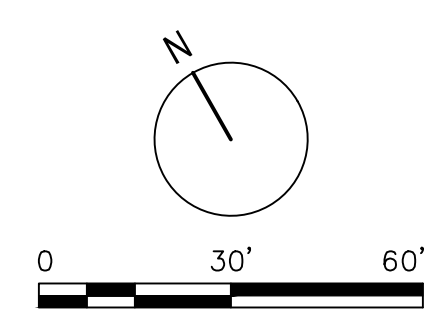
- CONTRACTOR SHALL BEGIN MAINTENANCE IMMEDIATELY AFTER PLANTING AND WILL CONTINUE UNTIL FINAL WRITTEN ACCEPTANCE OF PLANT MATERIAL.
- CONTRACTOR SHALL VERIFY ALL TREE REMOVALS AND/OR TRANSPLANTS WITH OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION START.
- CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY 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 NURSERY AND LANDSCAPE ASSOCIATION.
- 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. FERTILIZER ADDED PER RECOMMENDED RATES OF SOILS ANALYSIS.
- 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.
- 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.

PLANT SCHEDULE

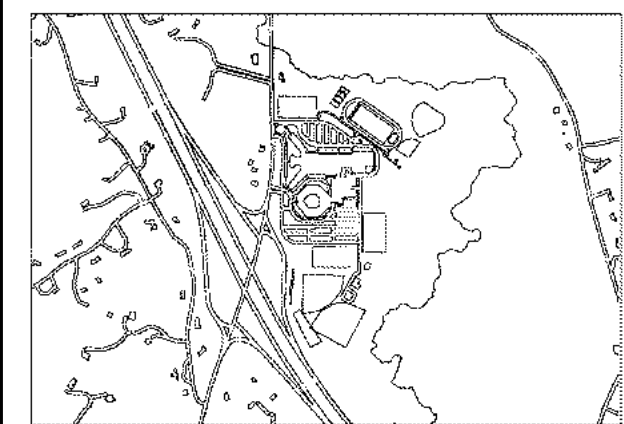
CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES	SPACING
TREES						
AR	4	ACER RUBRUM	RED MAPLE	2'-2.5' CAL		
AS	2	ACER SACCHARUM	SUGAR MAPLE	3.5' CAL		
CC	5	CERCIS CANADENSIS	EASTERN REDBUD	2'-2.5' CAL		
OB	3	QUERCUS BICOLOR	SWAMP WHITE OAK	3.5' CAL		
QR	6	QUERCUS RUBRA	RED OAK	2.5-3" CAL	B&B	
UA	2	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM	2'-2.5' CAL		
SHRUBS, PERENNIALS, GROUNDCOVERS						
CA		CLETHRA ALNIFOLIA	SUMMERSWEET			
CP		COMPTONIA PEREGRINA	LOWBUSH BLUEBERRY			
FG		FOTHERGILLA GARDENII	WHORLED MILKWEED			
RA		RHUS AROMATICA 'GRO-LOW'	DWARF FRAGRANT SUMAC			
EP		ATHYRIUM ANGUSTUM (FILIX-FEMINA)	NORTHERN LADY FERN			
IC		DRYOPTERIS MARGINALIS	MARGINAL WOODFERN			
LS		OSMUNDASTRUM CINNAMOMEA	CINNAMON FERN			
MR		OSMUNDA CLAYTONIANA	INTERRUPTED FERN			
SH		OSMUNDA REGALIS	ROYAL FERN			
OS		ONOCLEA SENSIBILIS	SENSITIVE FERN			
PA		POLYSTICHUM ACROSTICHOIDES	CHRISTMAS FERN			
AC		ANEMONE CANADENSIS	CANADA ANEMONE			
AQC		AQUILEGIA CANADENSIS	RED COLUMBINE			
CAP		CAREX PENNSYLVANICA	PENNSYLVANIA SEDGE			
GM		GERANIUM MACULATUM	WILD GERANIUM			
HD		HELIANTHUS DIVARCATUS	WOODLAND SUNFLOWER			
AT		ASCLEPIAS TUBEROSA	BUTTERFLY MILKWEED			
ES		ERAGROSTIS SPECTABILIS	PURPLE LOVEGRASS			
MF		MONARDA FISTULOSA	WILD BERGAMOT			
PV		PANICUM VIRGATUM	SWITCHGRASS			
RH		RUDBECKIA HIRTA	BLACK-EYED SUSAN			
SS		SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM			
SPP		SOLIDAGO SPECIOSA	SHOWY GOLDENROD			
SH		SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSIED			
SN		SYMPHYOTRICUM NOVAE-ANGLIAE	NEW ENGLAND ASTER			

LEGEND

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- 100' BUFFER ZONE
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- 100'-200' OUTER RIPARIAN ZONE RIVER FRONT AREA
- MATCH LINE
- DECIDUOUS TREE
- LOAM AND SEED
- SHRUB / GROUNDCOVER / PERENNIAL PLANTING



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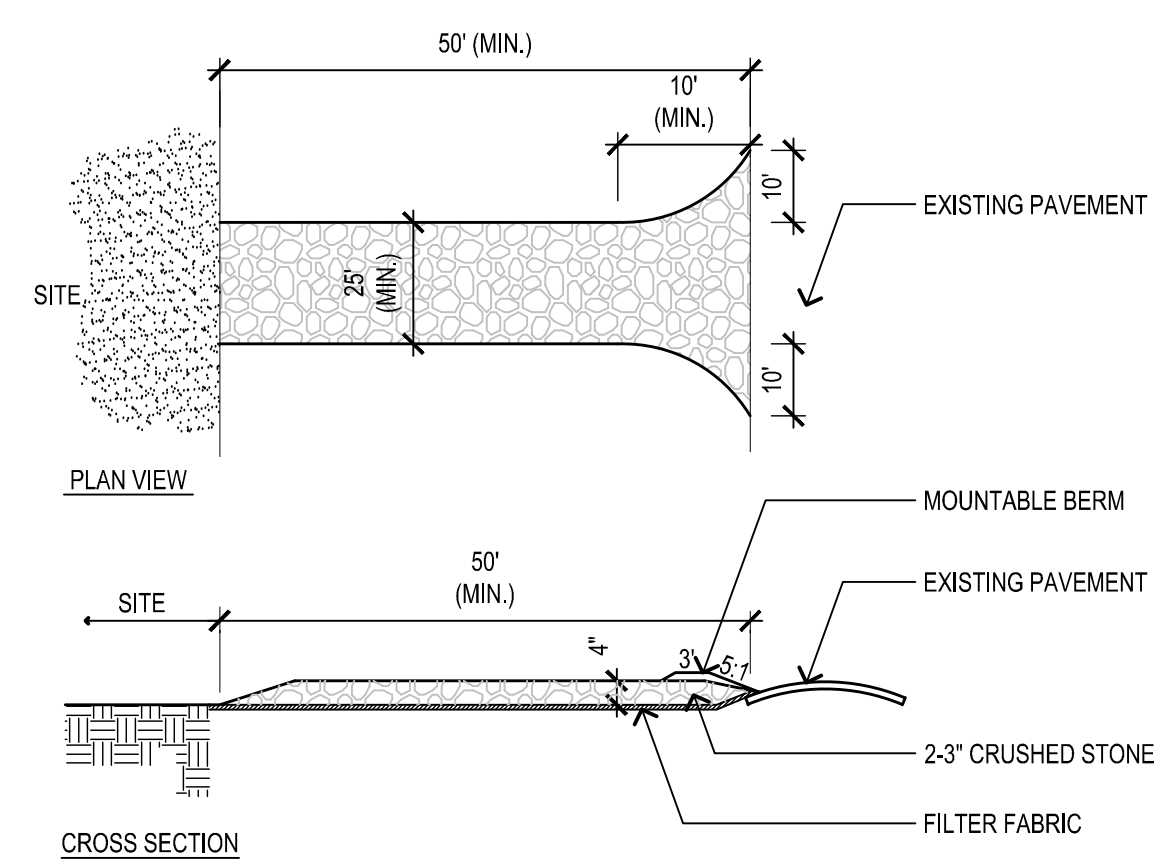
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Client/Project
MASCONOMET REGIONAL SCHOOL DISTRICT
SYNTHETIC TURF FIELDS
NOTICE OF INTENT
BOXFORD, MA

Project No.: 210801991
Scale: AS NOTED
Title
SITE PREPARATION DETAILS

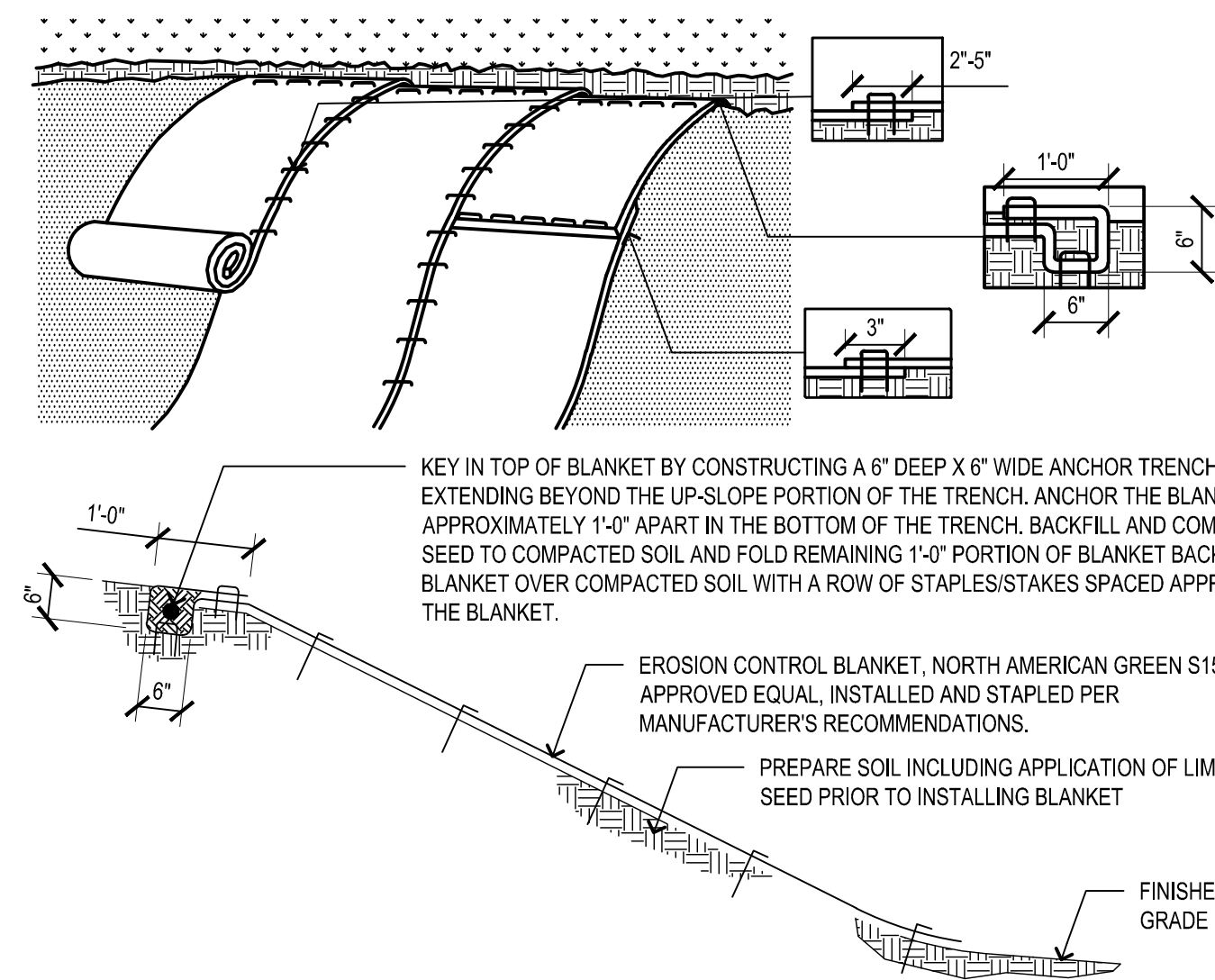
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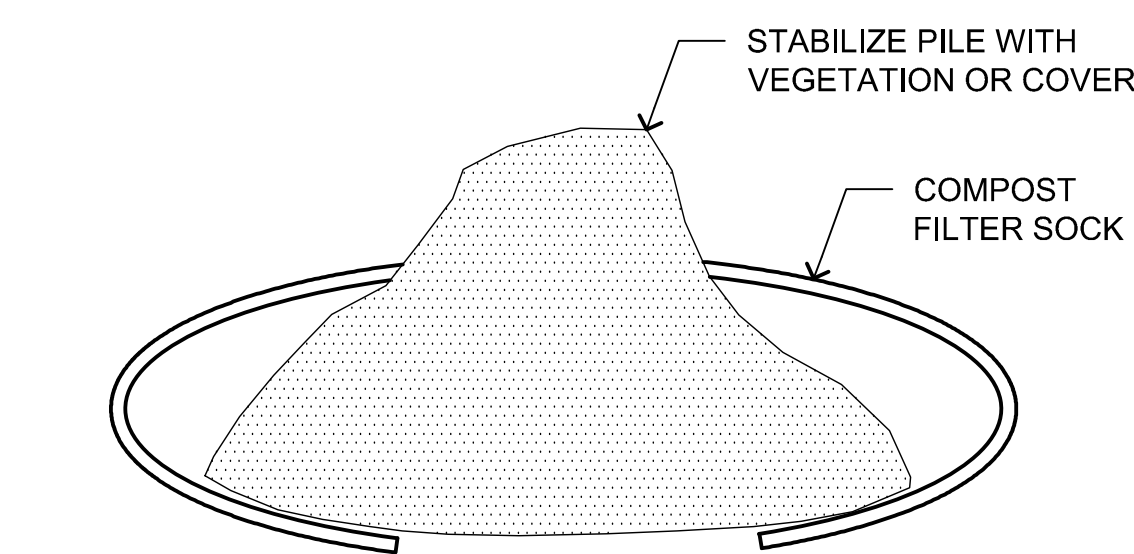
NOTES:

- ENTRANCE WIDTH SHALL BE A TWENTY-FIVE (25) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. BERM SHALL BE PERMITTED. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NEEDED.

01 STABILIZED CONSTRUCTION ENTRANCE
3/8" = 1'-0" DETAIL-FILE

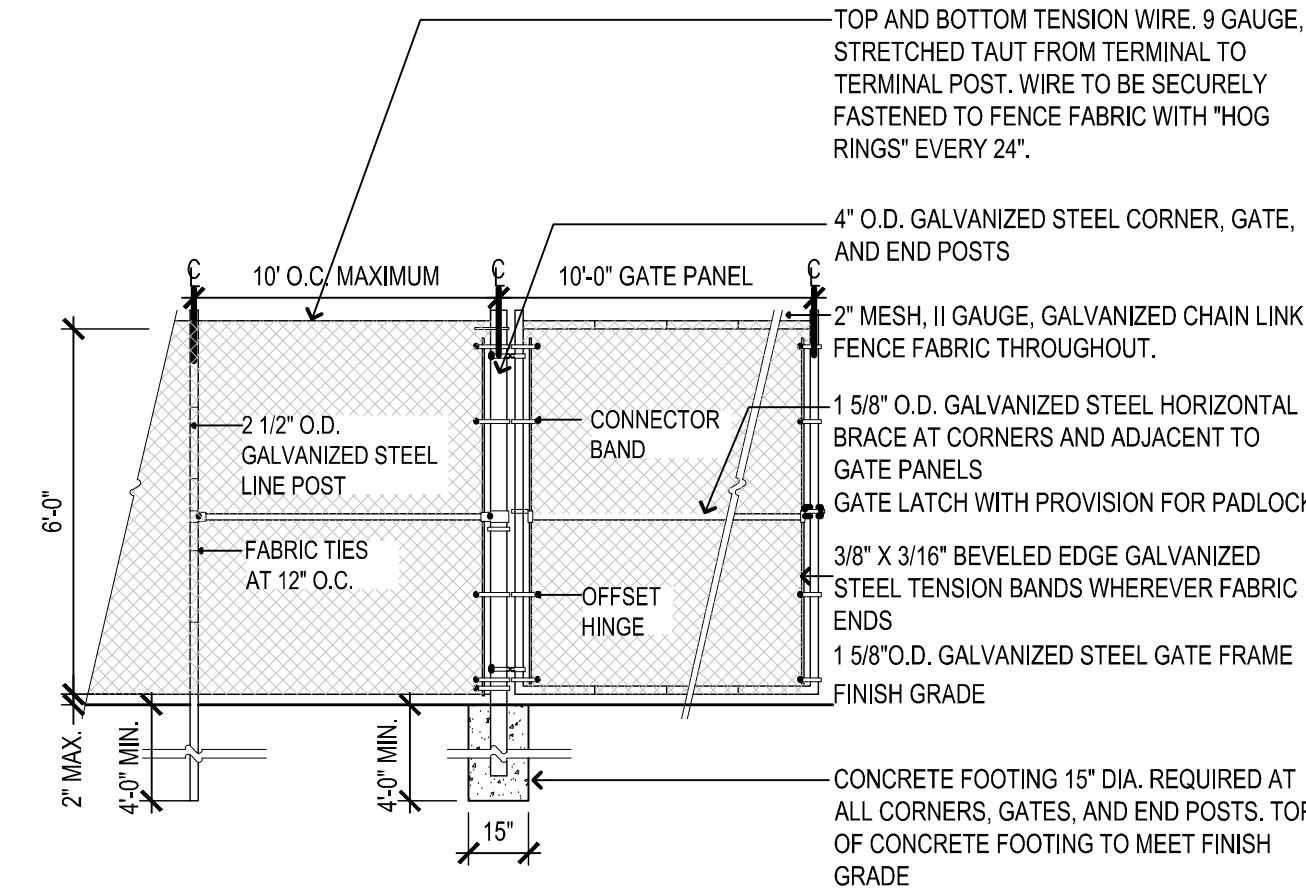


05 EROSION CONTROL BLANKET
SCALE: NTS



- NOTES:**
SOIL STOCKPILES: FOR ANY STOCKPILES OR LAND CLEARING DEBRIS COMPOSED, IN WHOLE OR IN PART, OF SEDIMENT OR SOIL, THE FOLLOWING MEASURES MUST BE FOLLOWED:
- LOCATE THE PILES OUTSIDE OF ANY NATURAL BURGERS AND PHYSICALLY SEPARATED FROM THE OTHER STORMWATER CONTROLS IMPLEMENTED, OUTSIDE OF RESOURCE AREAS AND OUTSIDE THE 50' BUFFER ZONE.
 - PROTECT FROM CONTACT WITH STORMWATER (INCLUDING RUN-ON) USING A TEMPORARY PERIMETER SEDIMENT BARRIER OF COMPOST FILTER SOCK.
 - PROVIDE COVER OR APPROPRIATE TEMPORARY STABILIZATION TO AVOID DIRECT CONTACT WITH PRECIPITATION OR TO MINIMIZE SEDIMENT DISCHARGE.
 - DO NOT HOSE DOWN OR SWEEP SPOIL OR SEDIMENT ACCUMULATED ON PAVEMENT OR OTHER IMPERIOUS SURFACES INTO ANY STORMWATER CONVEYANCE (UNLESS CONNECTED TO A SEDIMENT BASIN, SEDIMENT TRAP, OR SIMILARLY EFFECTIVE CONTROL), STORM DRAIN INLET OR SURFACE WATER.
 - UNLESS INFEASIBLE, CONTAIN SECURELY TO PROTECT FROM WIND.

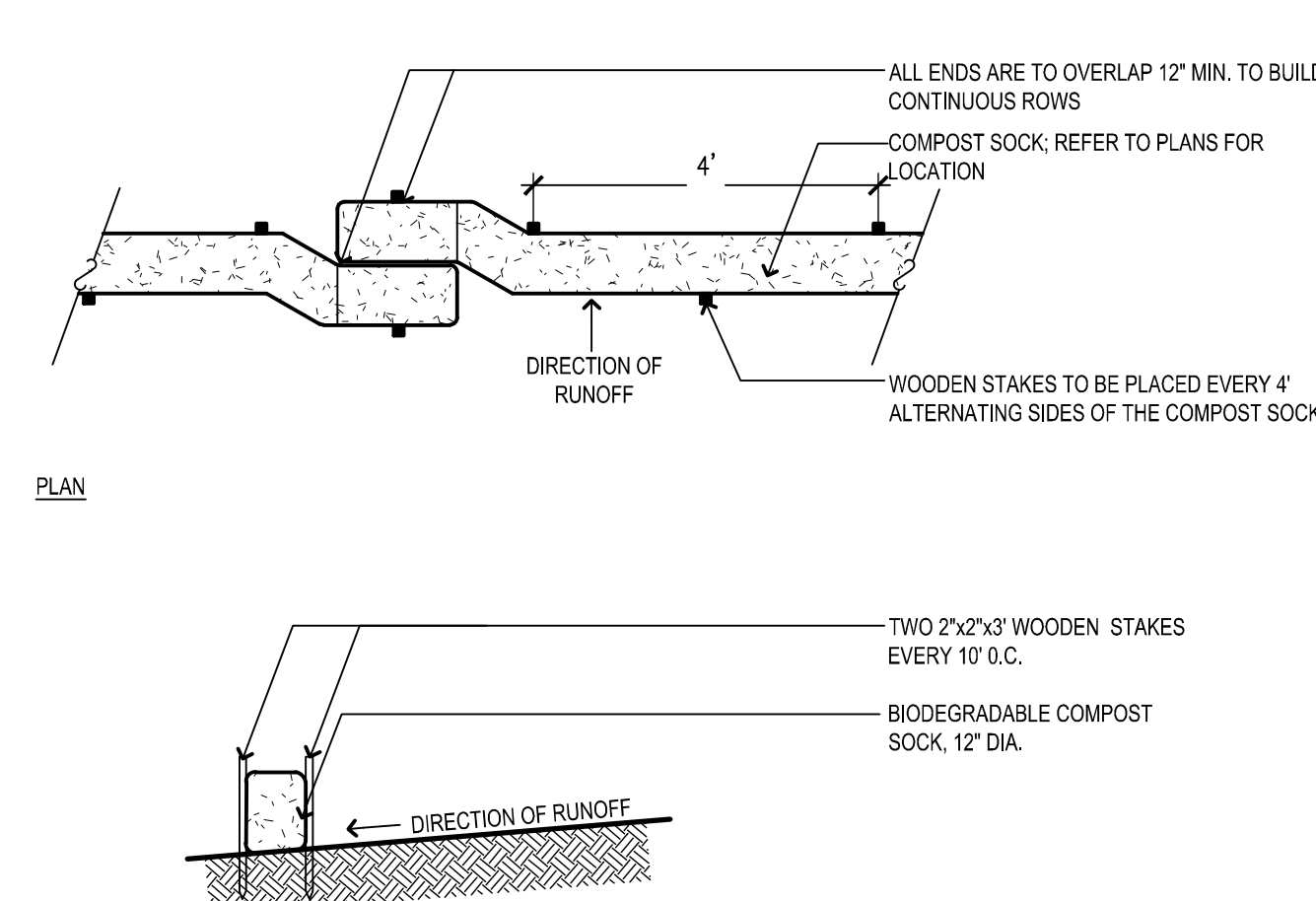
08 SOIL STOCKPILE CONTROL
SCALE: NTS



NOTES:

ALL MATERIALS SHALL BE GALVANIZED STEEL UNLESS OTHERWISE NOTED.

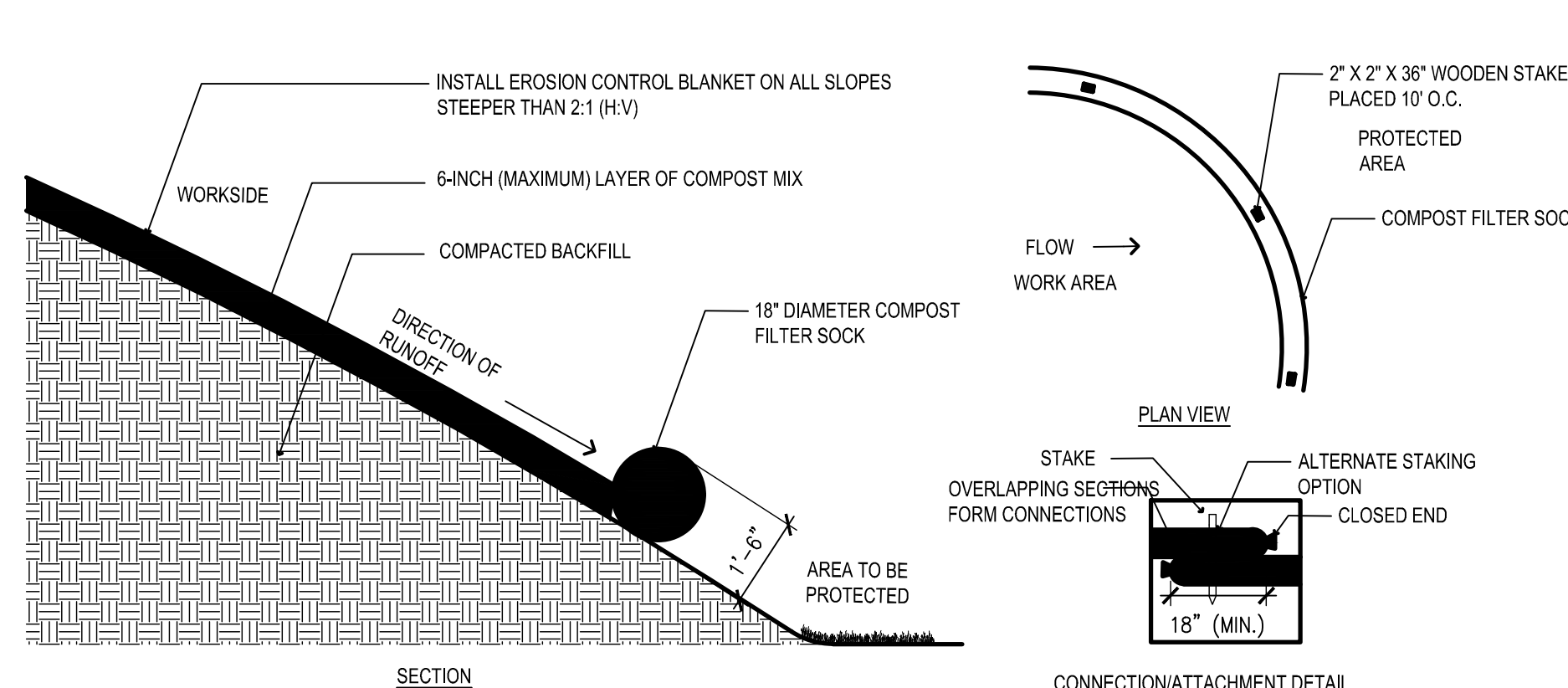
02 6' CHAIN LINK CONSTRUCTION FENCE AND GATE
3/8" = 1'-0" DETAIL-FILE



SECTION NOTES:

- COMPOST SOCK 12" DIA.
- COMPOST SOCK SHALL BE FULLY BIODEGRADABLE.

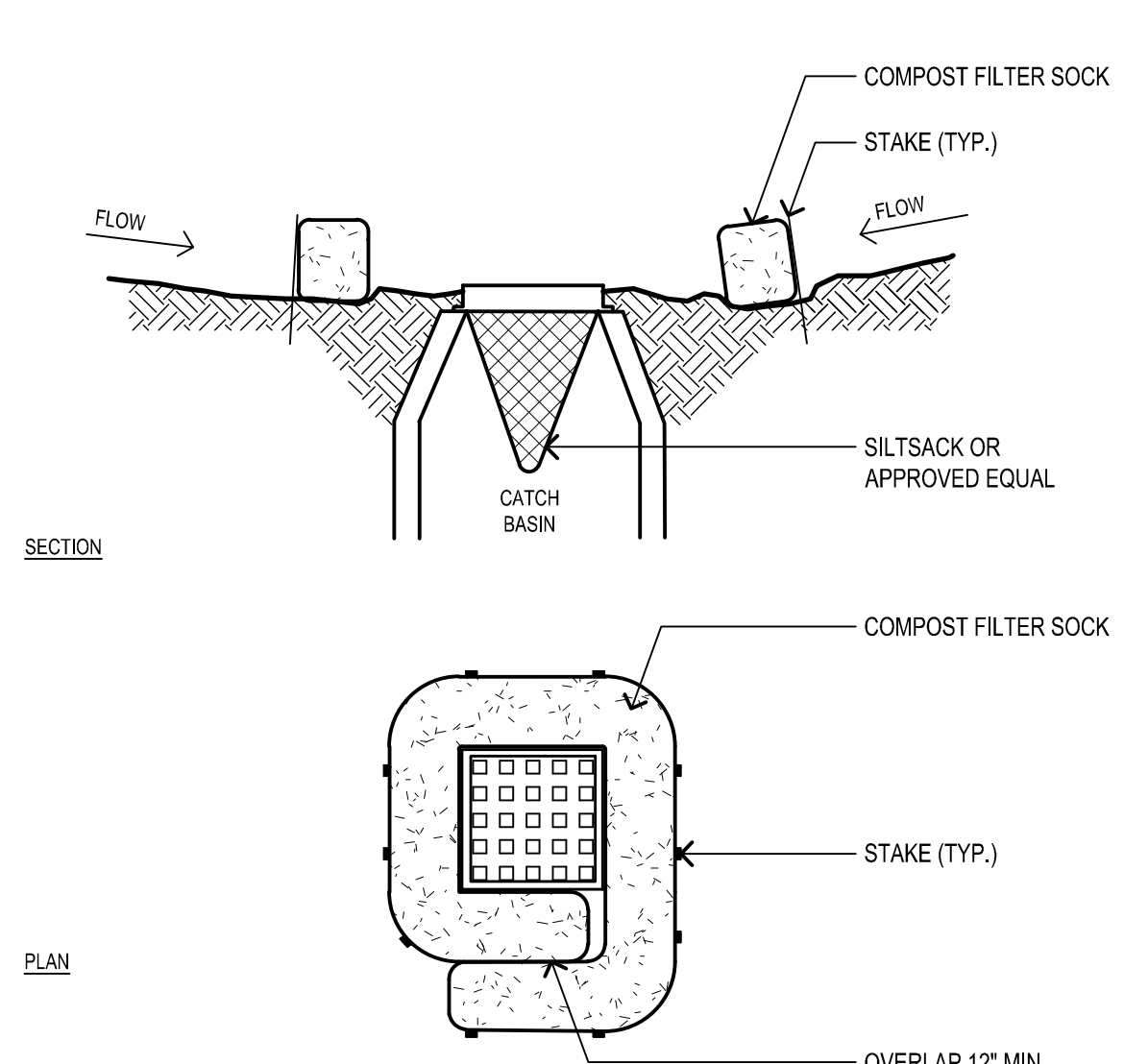
03 BIODEGRADABLE COMPOST FILTER SOCK
3/8" = 1'-0" DETAIL-FILE



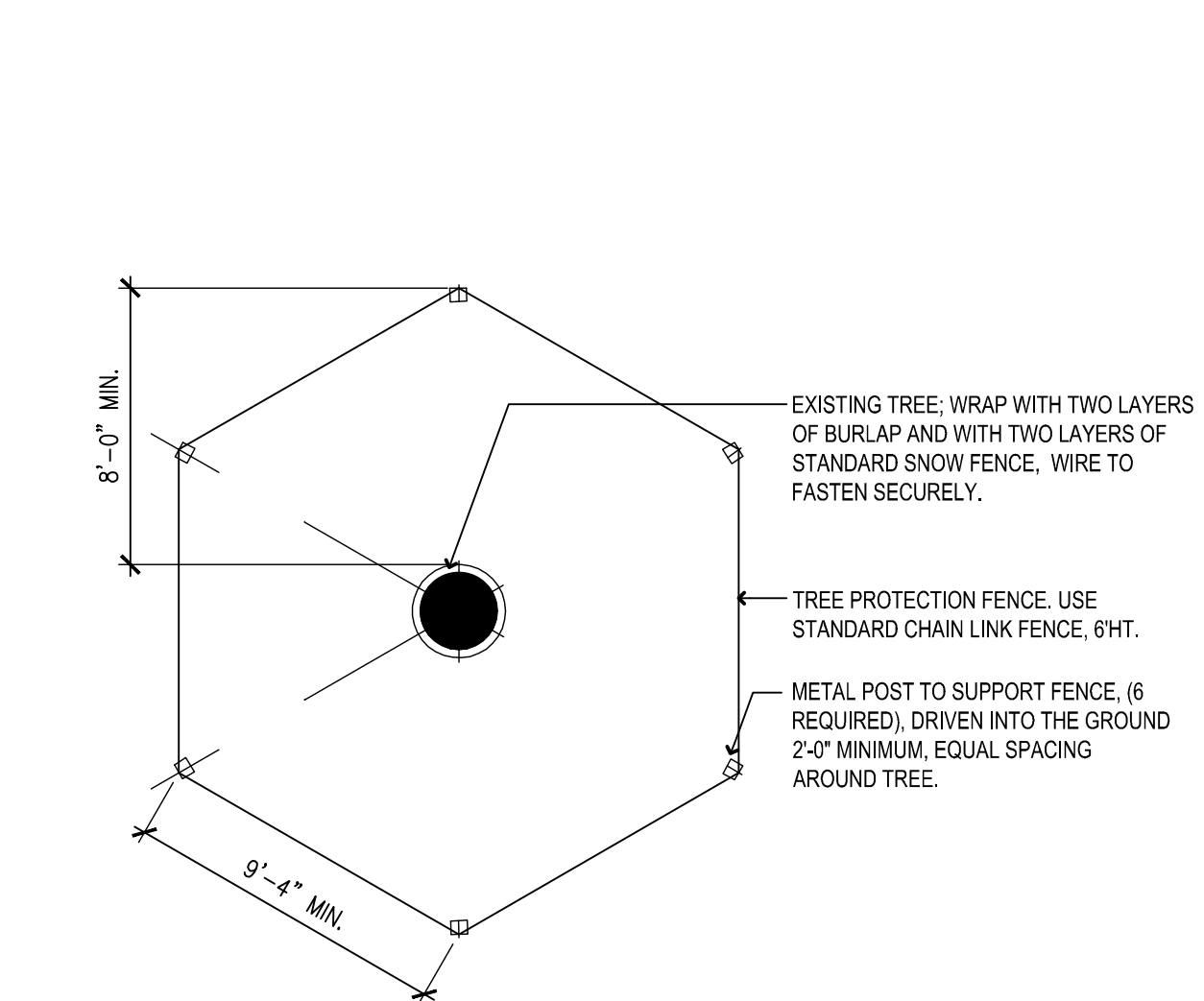
NOTES:

- PREFABRICATED COMPOST SOCK SHALL BE FILTREXX SOXX OR APPROVED EQUAL.
- MATERIAL FOR SOCKS SHALL CONSIST OF SANITIZED MATURE COMPOST, FREE OF VIABLE WEED SEEDS AND FOREIGN DEBRIS SUCH AS GLASS AND PLASTIC. COMPOST SHALL BE IN SHREDDED OR GRANULAR FORM AND FREE FROM HARD LUMPS. IN ADDITION, NO FILM-DRIED WOOD OR CONSTRUCTION DEBRIS SHALL BE ALLOWED. CONTRACTOR SHALL REFER TO MASSDOT SPECIFICATIONS M1.08.0 FOR MATERIAL SPECIFICATIONS.
- SOCK SHALL CONSIST OF JUTE MESH OR OTHER APPROVED BIODEGRADABLE MATERIAL.
- ON SLOPES BETWEEN 2:1 AND 1.5:1 (H:V) THE CONTRACTOR SHALL INSTALL BIONET S150BN BIODEGRADABLE EROSION CONTROL BLANKETS AS MANUFACTURED BY NORTH AMERICAN GREEN OR SIMILAR PRODUCT TO BE APPROVED BY GEOTECHNICAL ENGINEER, OVER THE 6" LAYER OF COMPOST MIX.
- BLANKETS SHALL BE SECURED PER MANUFACTURER'S INSTRUCTIONS.

06 COMPOST SLOPE PROTECTION
SCALE: NTS



04 CATCH BASIN WITH COMPOST SOCK
3/8" = 1'-0" DETAIL-FILE



07 EXISTING TREE PROTECTION
3/8" = 1'-0" DETAIL-FILE

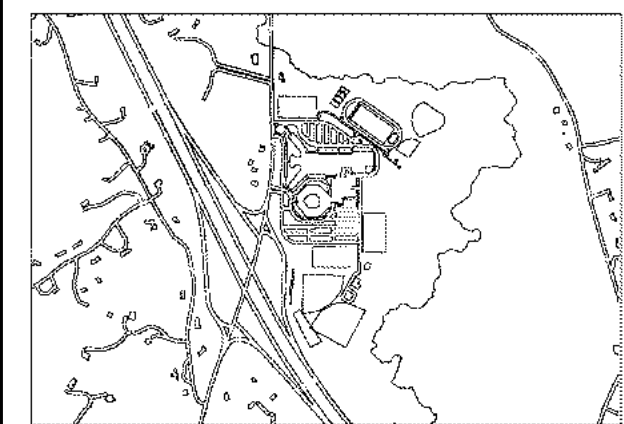
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Consultants

Notes

Locus Map



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By Appd. MM.DD.YY

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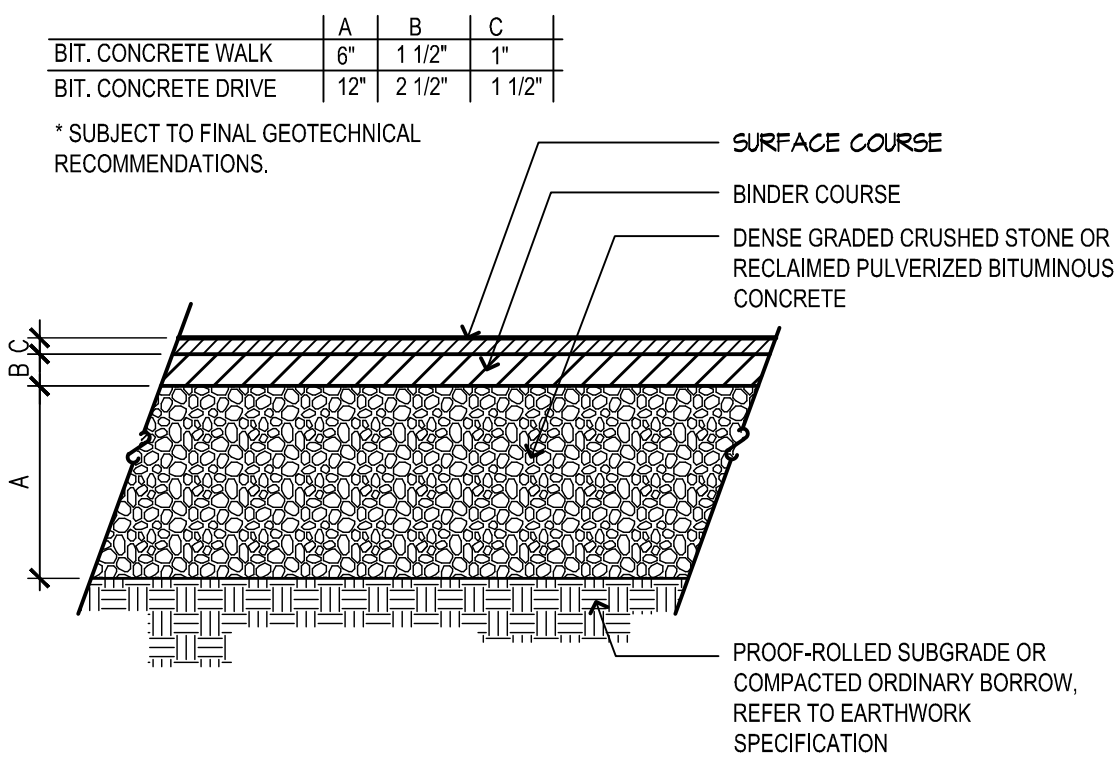


Client/Project
MASCONOMET REGIONAL SCHOOL DISTRICT
SYNTHETIC TURF FIELDS
NOTICE OF INTENT
BOXFORD, MA

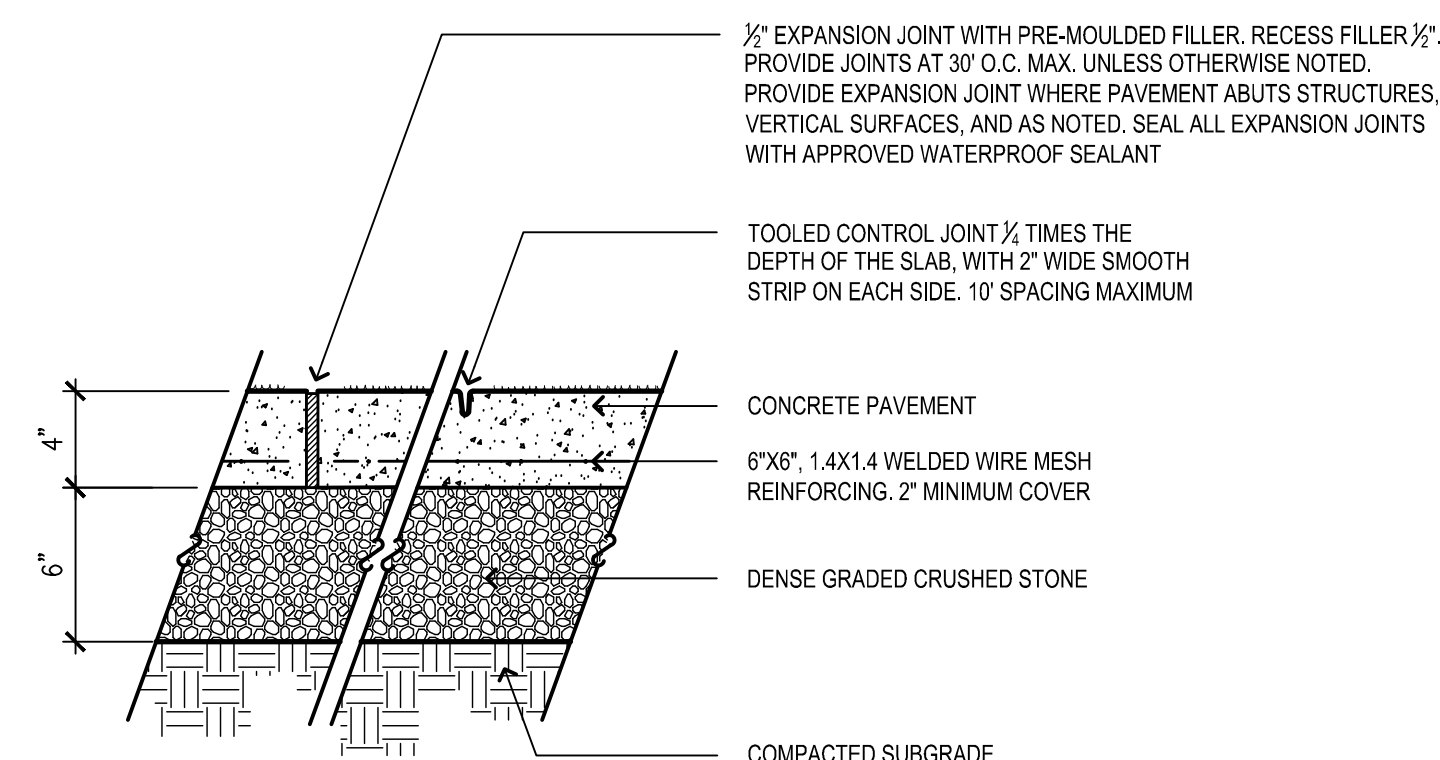
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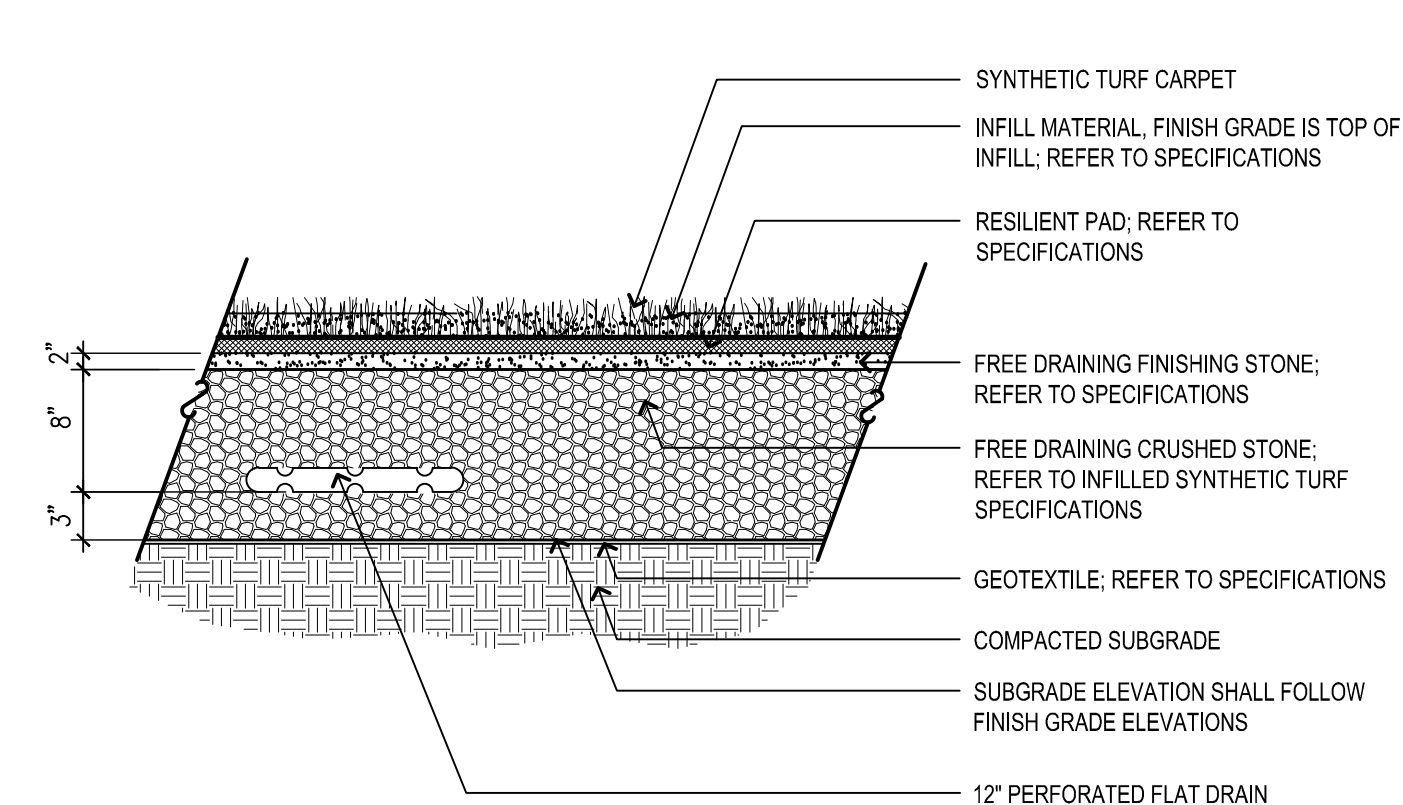
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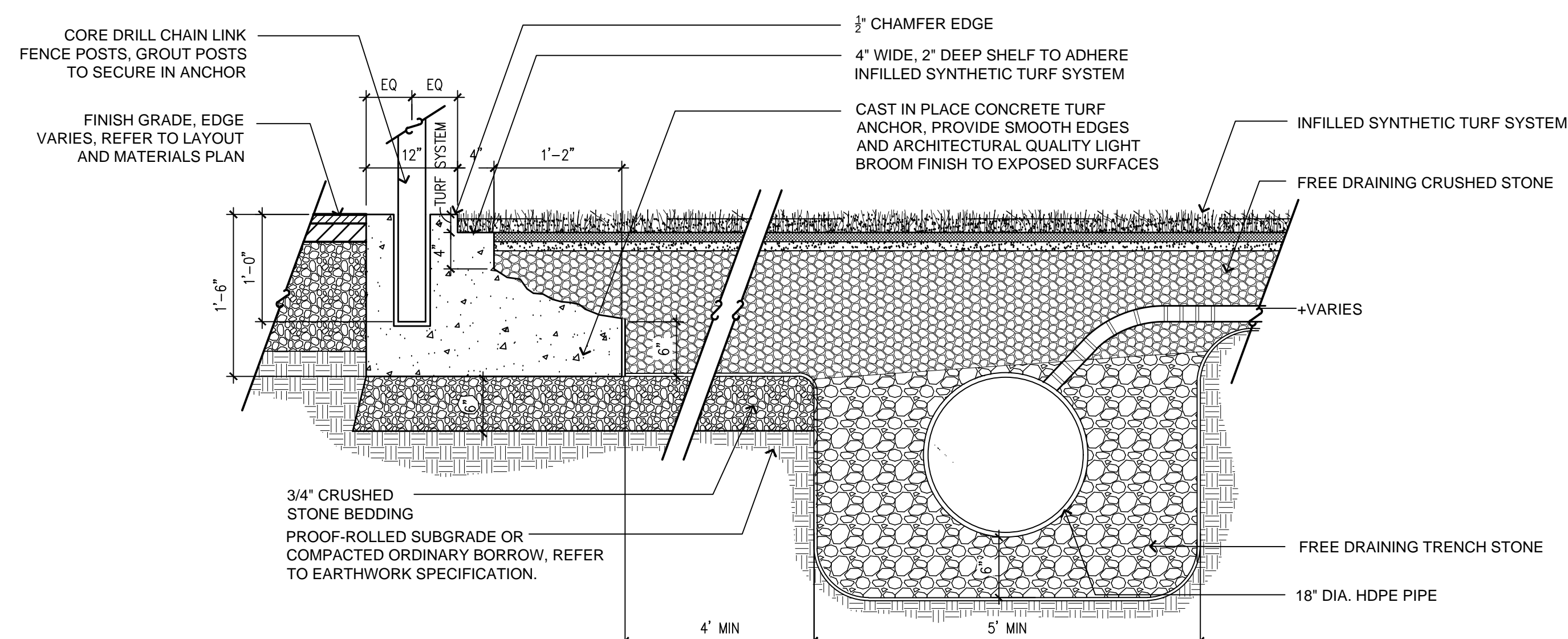
1 BITUMINOUS CONCRETE PAVING
NOT TO SCALE



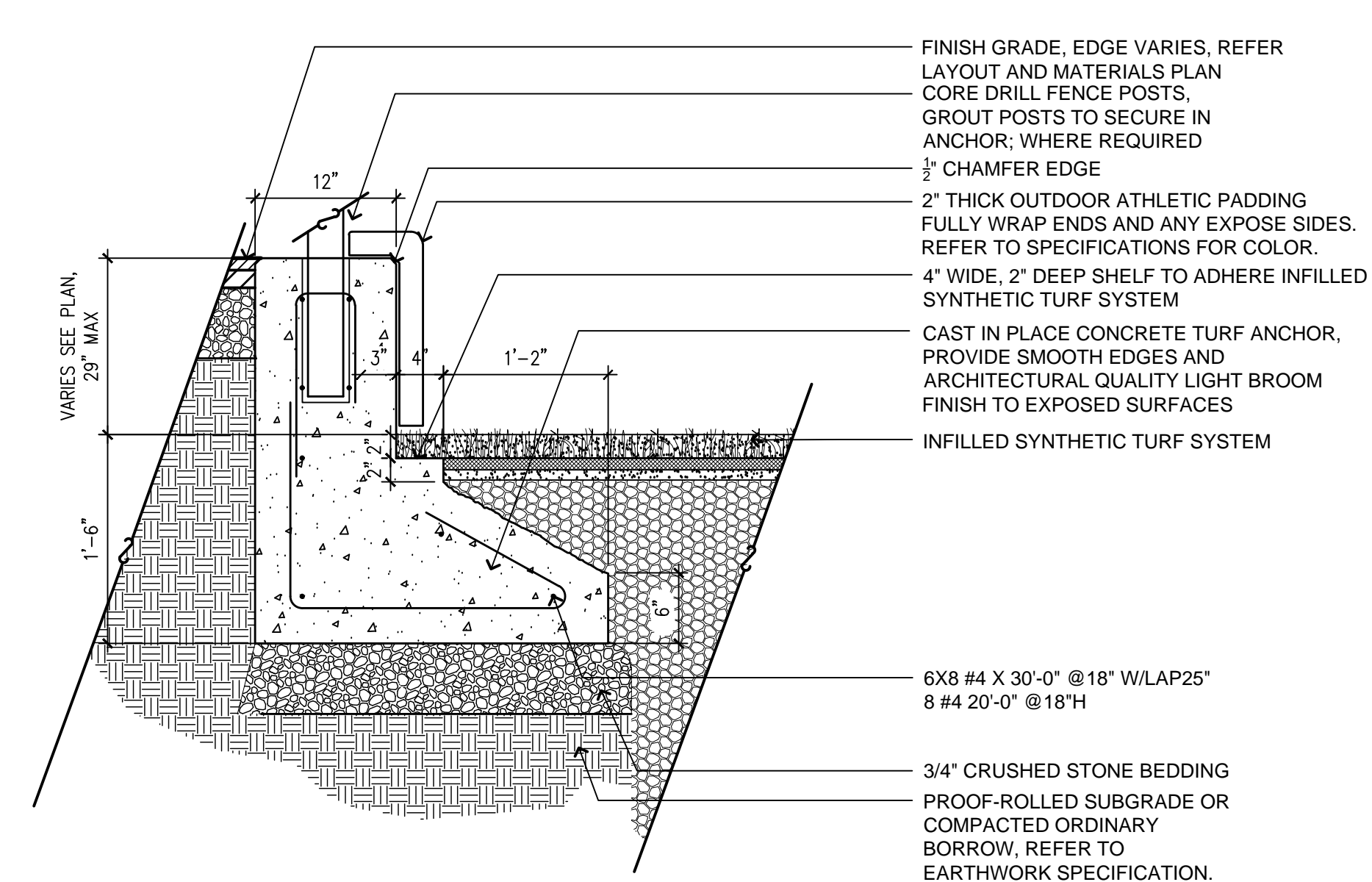
2 CONCRETE PAVING
NOT TO SCALE



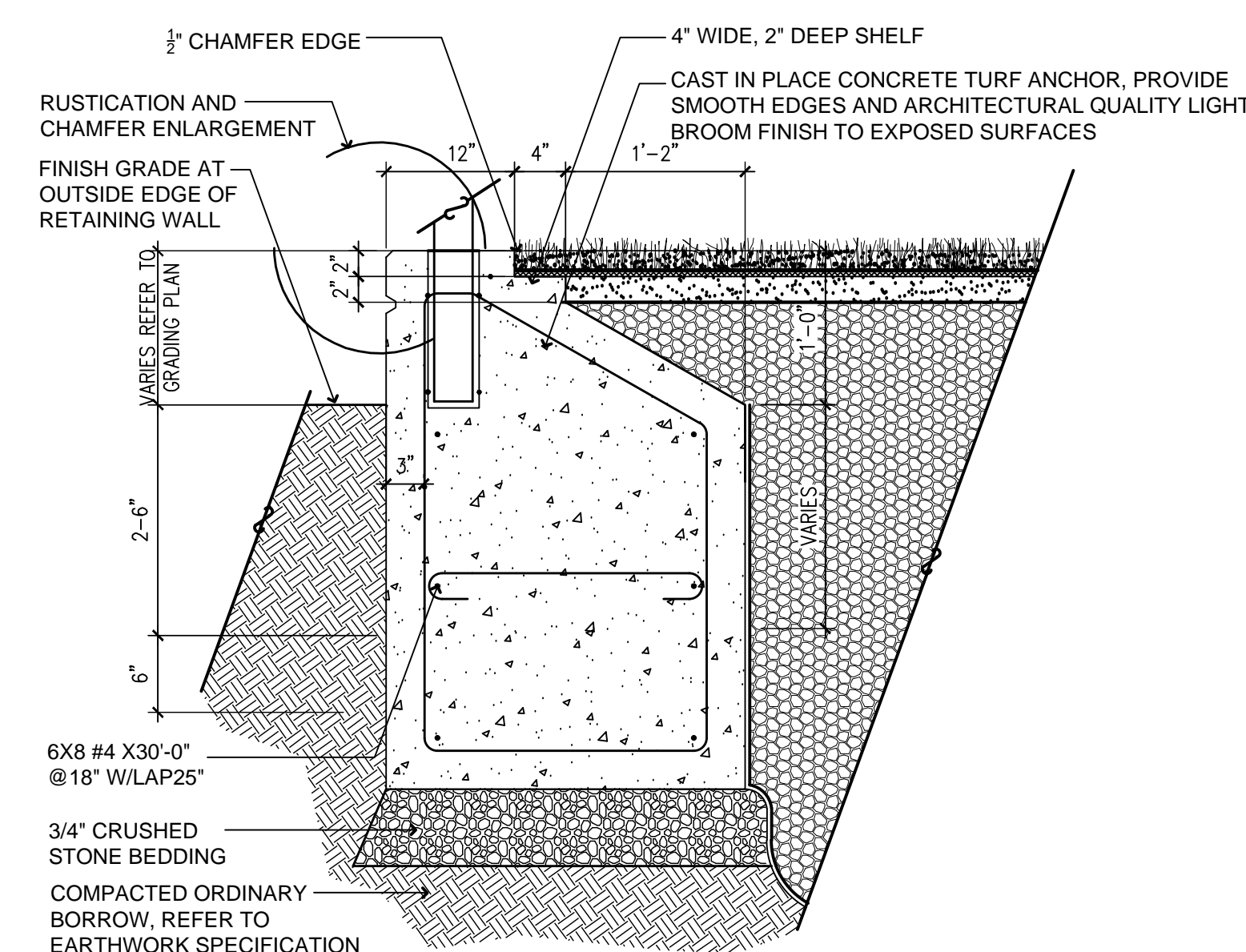
3 INFILLED SYNTHETIC TURF SYSTEM
NOT TO SCALE



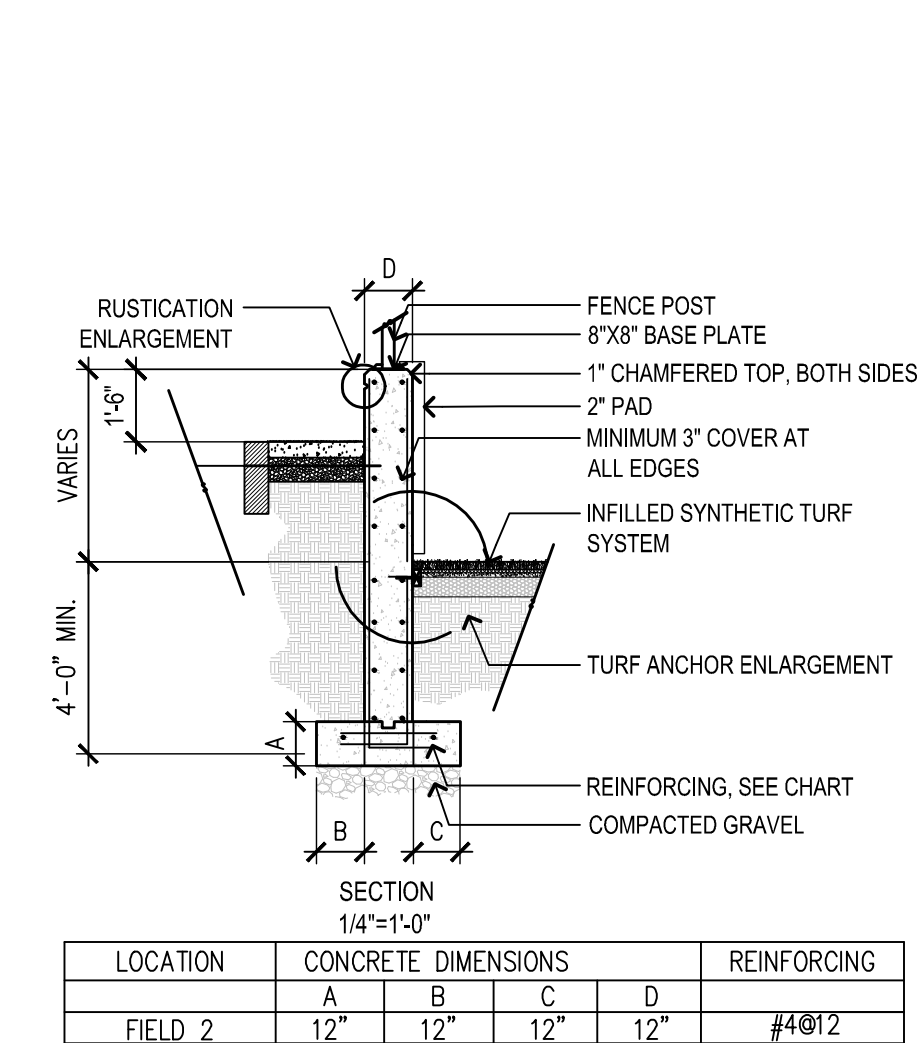
4 CAST-IN-PLACE CONCRETE TURF ANCHOR - TYPE A
NOT TO SCALE



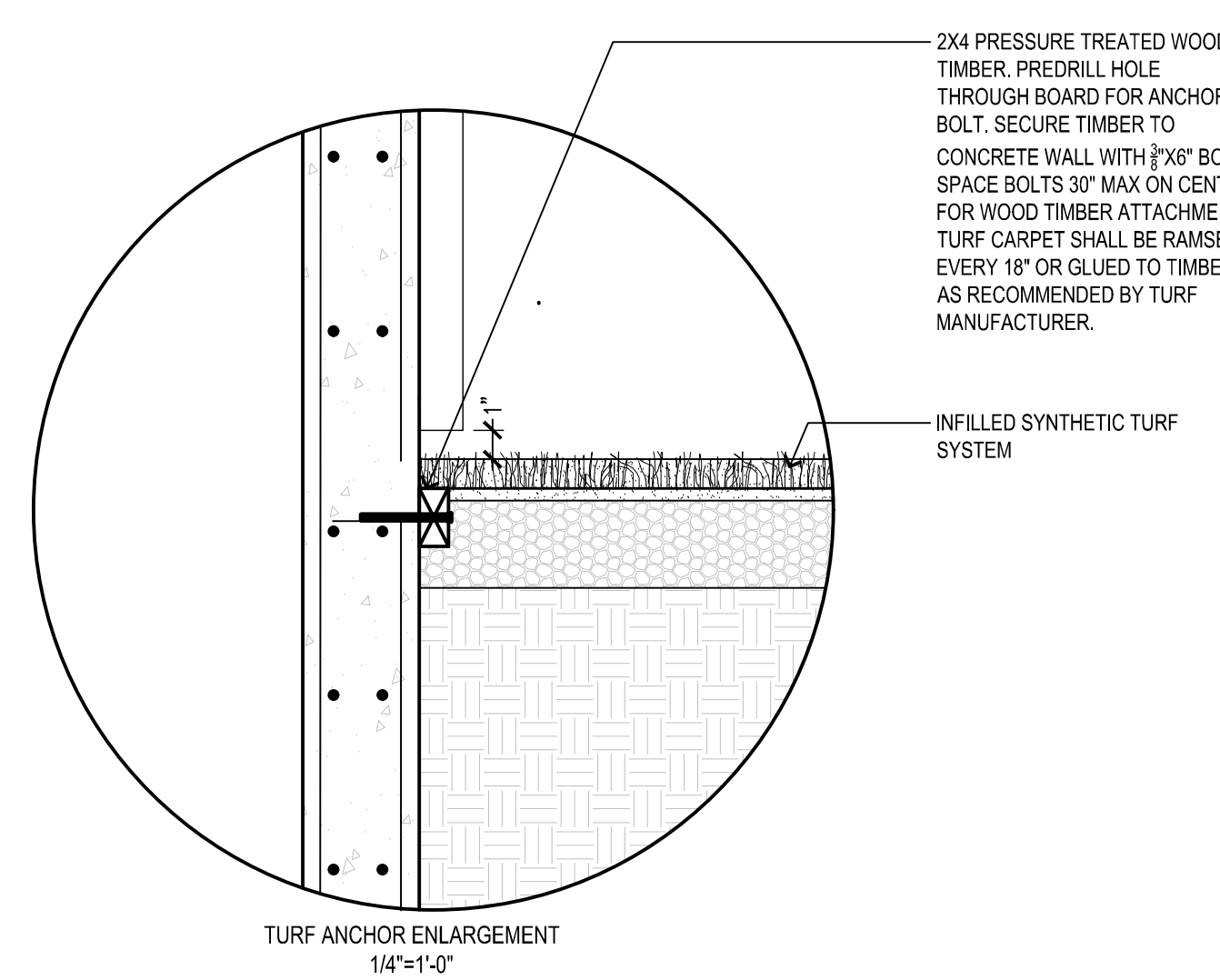
5 CAST-IN-PLACE CONCRETE TURF ANCHOR - TYPE B
NOT TO SCALE



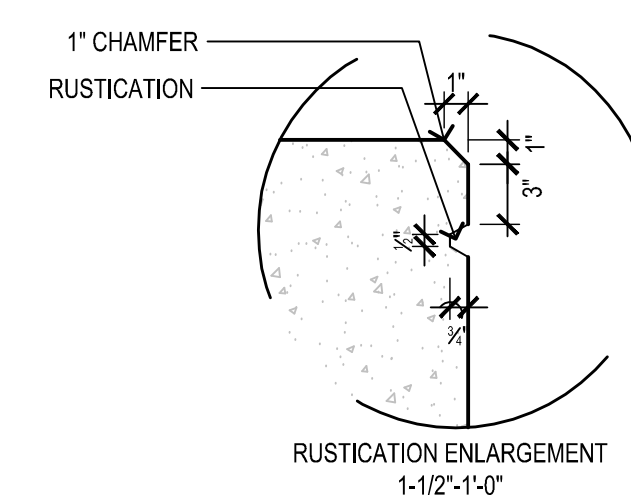
6 CAST-IN-PLACE CONCRETE TURF ANCHOR - TYPE C
NOT TO SCALE



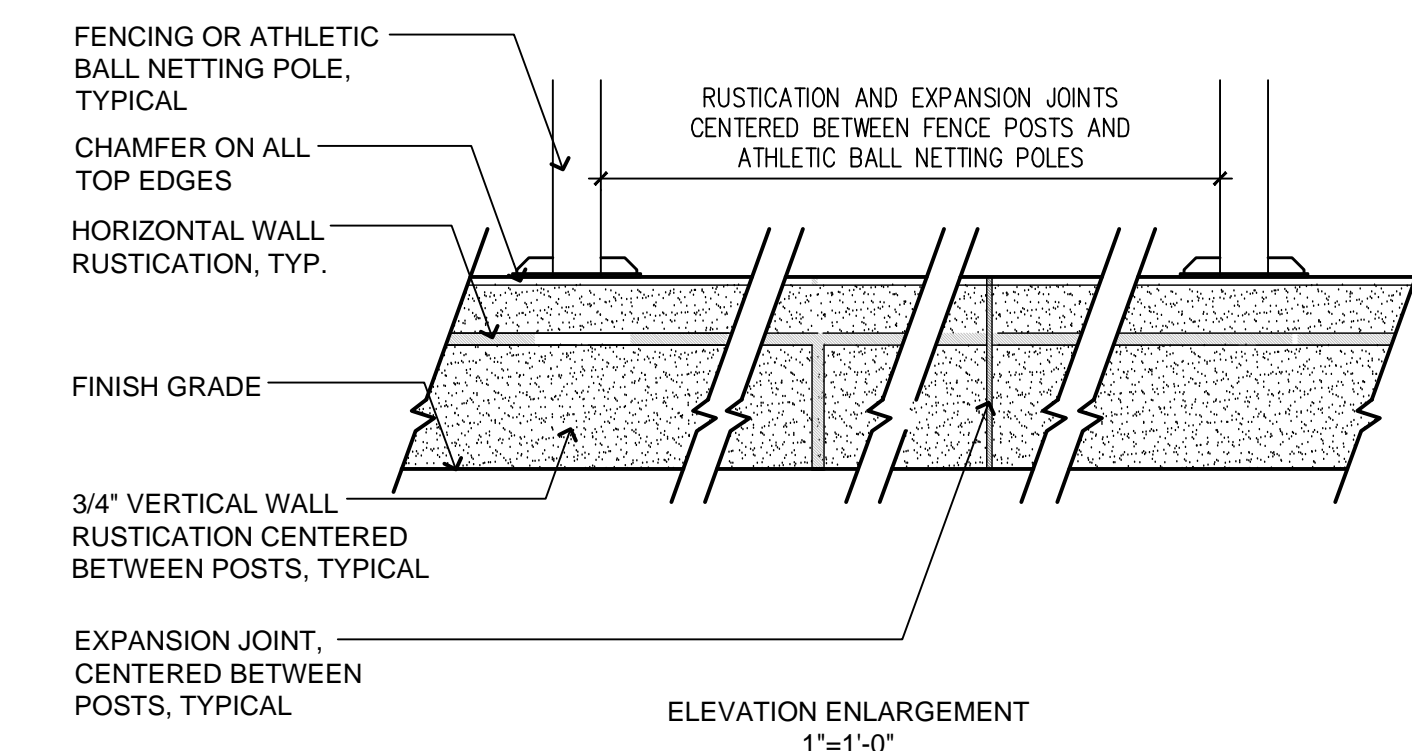
7 CAST-IN-PLACE CONCRETE TURF ANCHOR - TYPE D
NOT TO SCALE



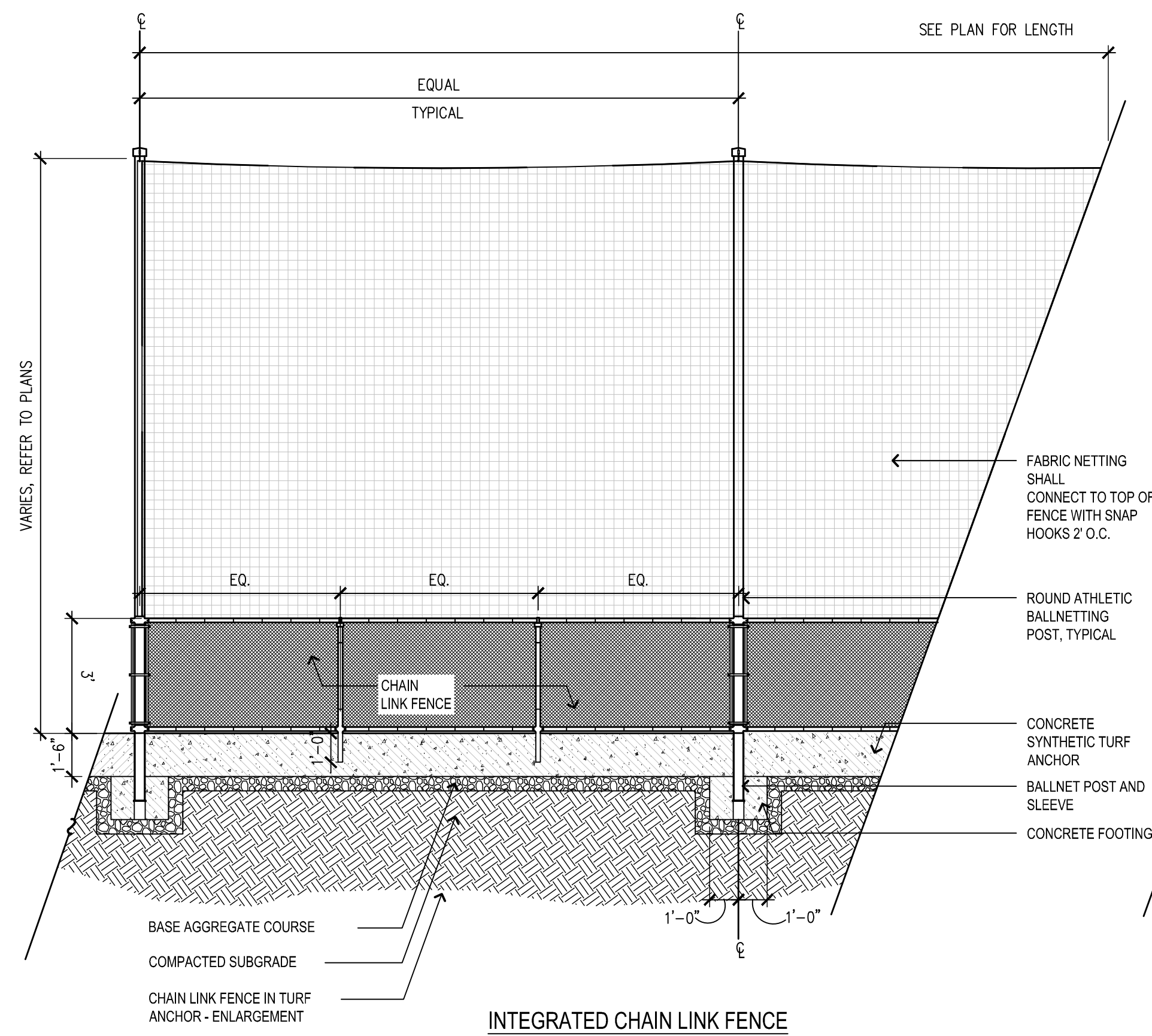
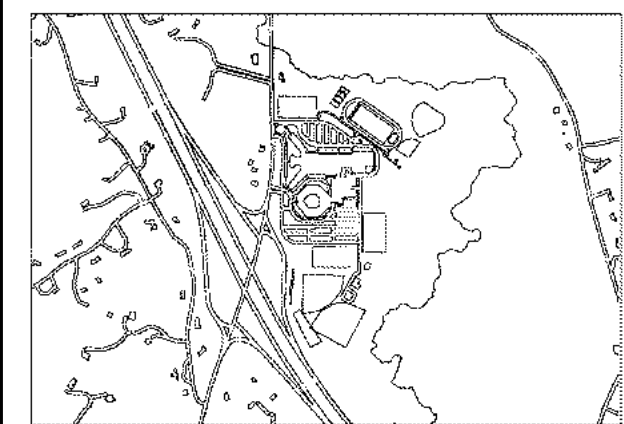
TURF ANCHOR ENLARGEMENT
1/4"=1'-0"



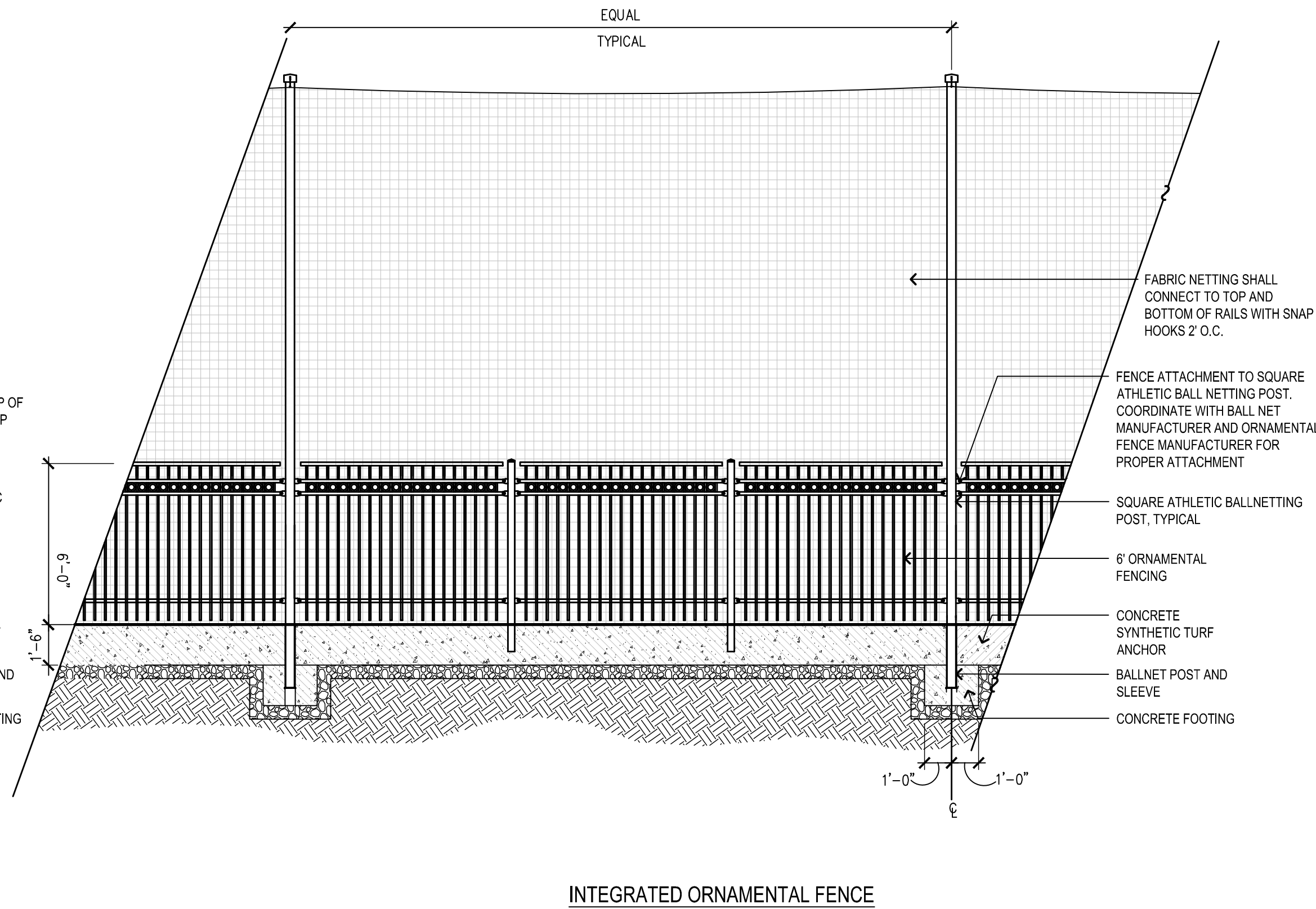
RUSTICATION ENLARGEMENT
1'-1/2"=1'-0"



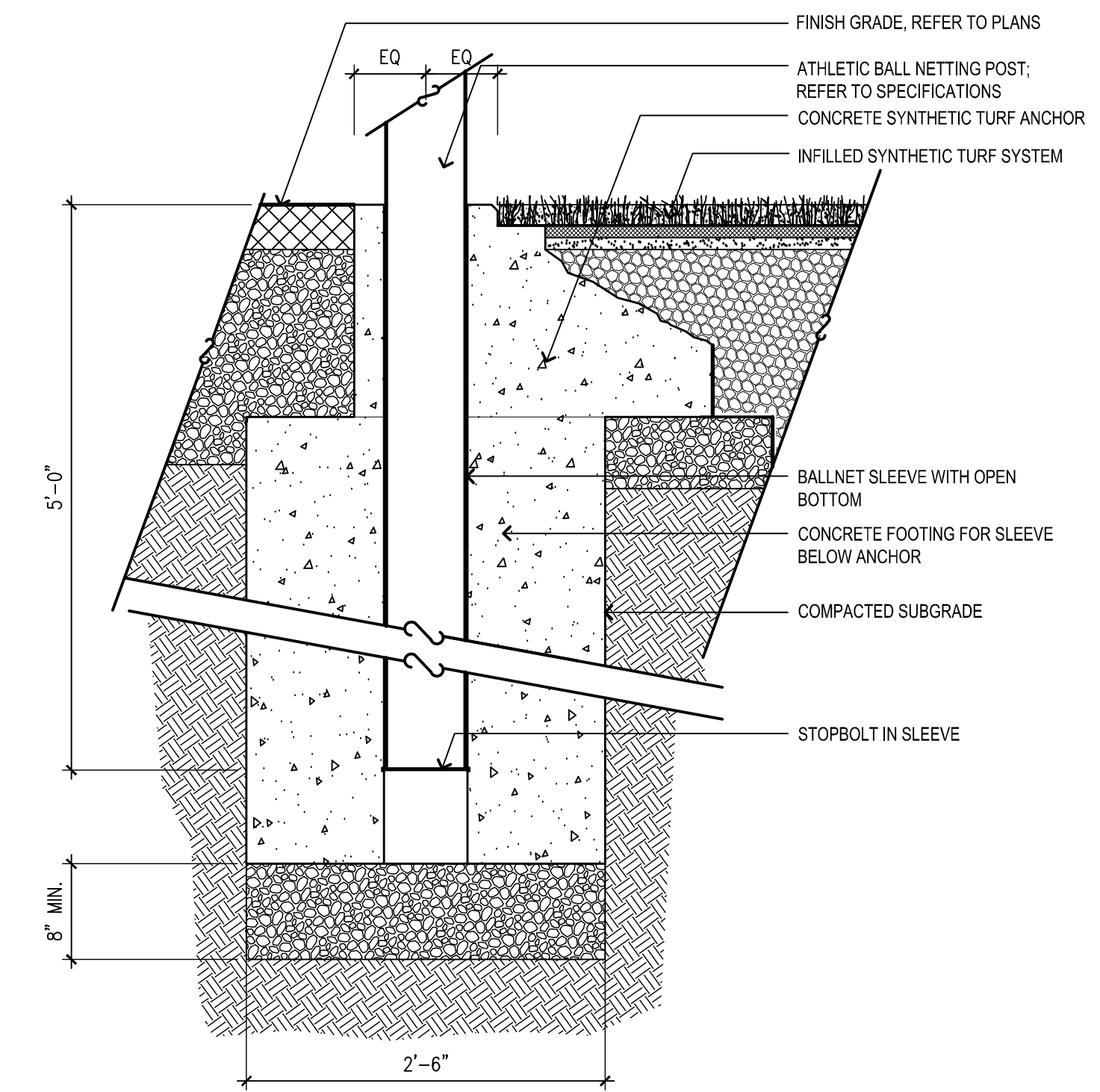
8 RUSTICATION ENLARGEMENT DETAIL
NOT TO SCALE



INTEGRATED CHAIN LINK FENCE

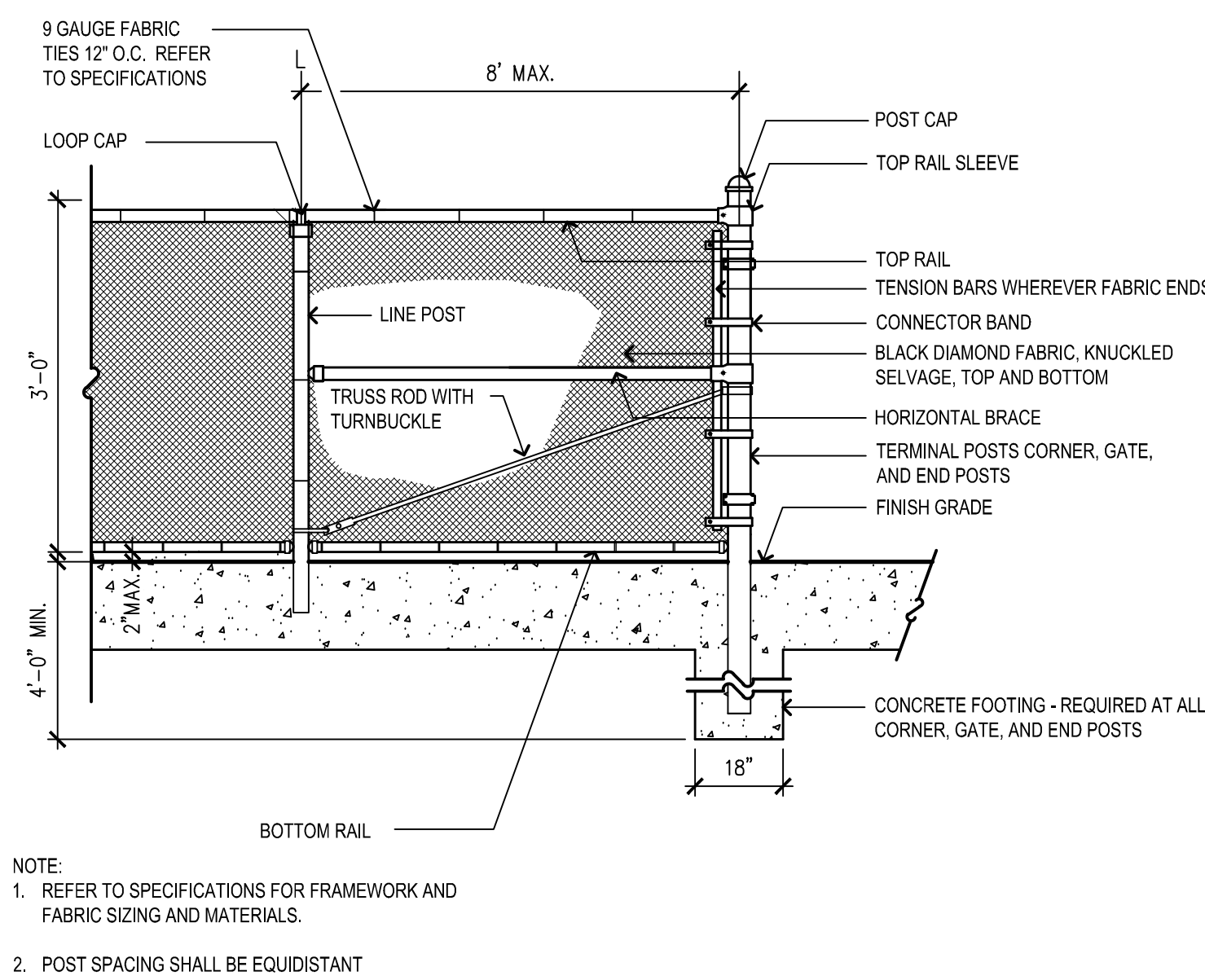


INTEGRATED ORNAMENTAL FENCE

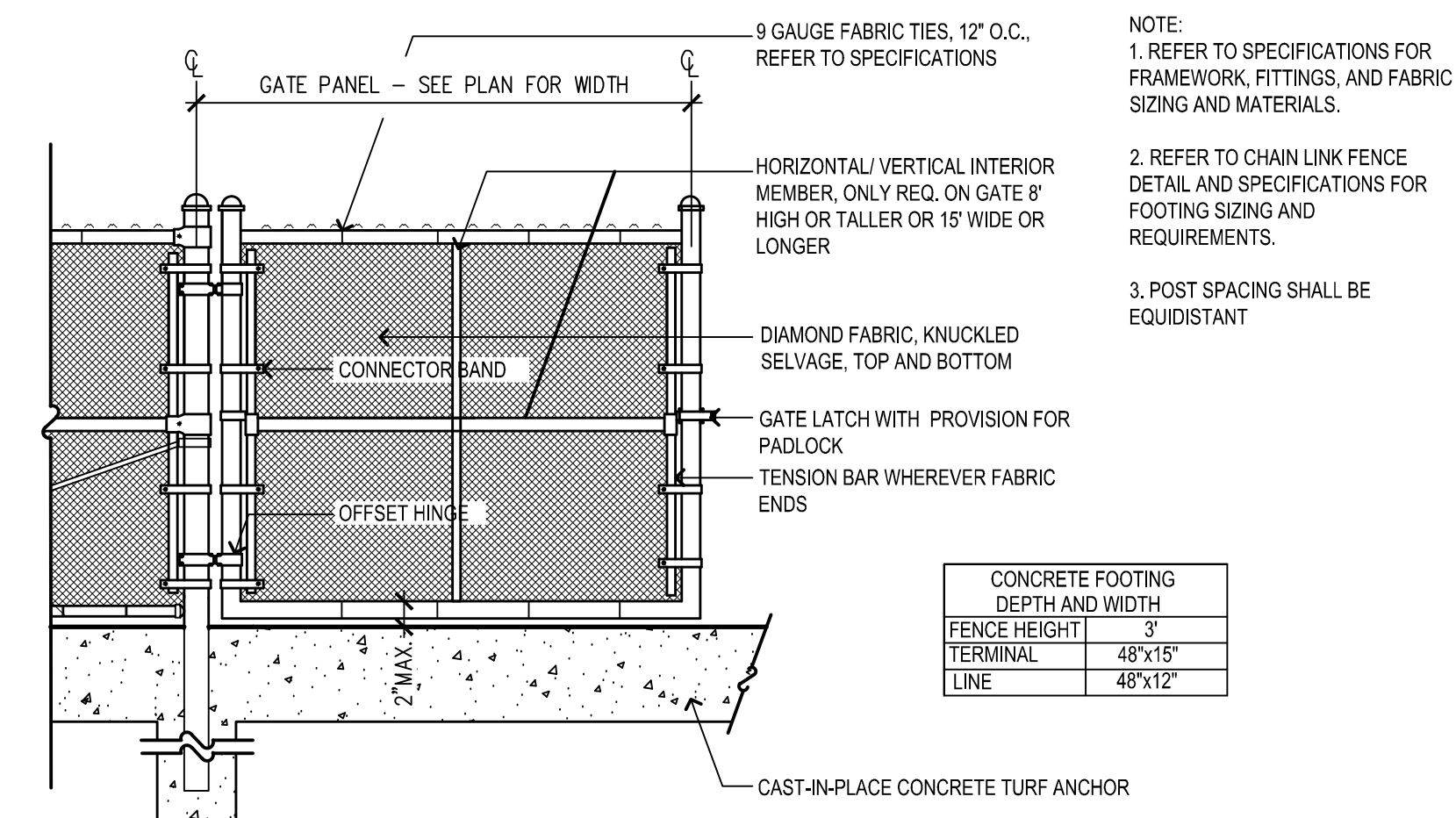


1 ATHLETIC BALL NETTING AND INTEGRATED FENCE IN TURF ANCHOR
NOT TO SCALE

2 ATHLETIC BALL NETTING POST
NOT TO SCALE

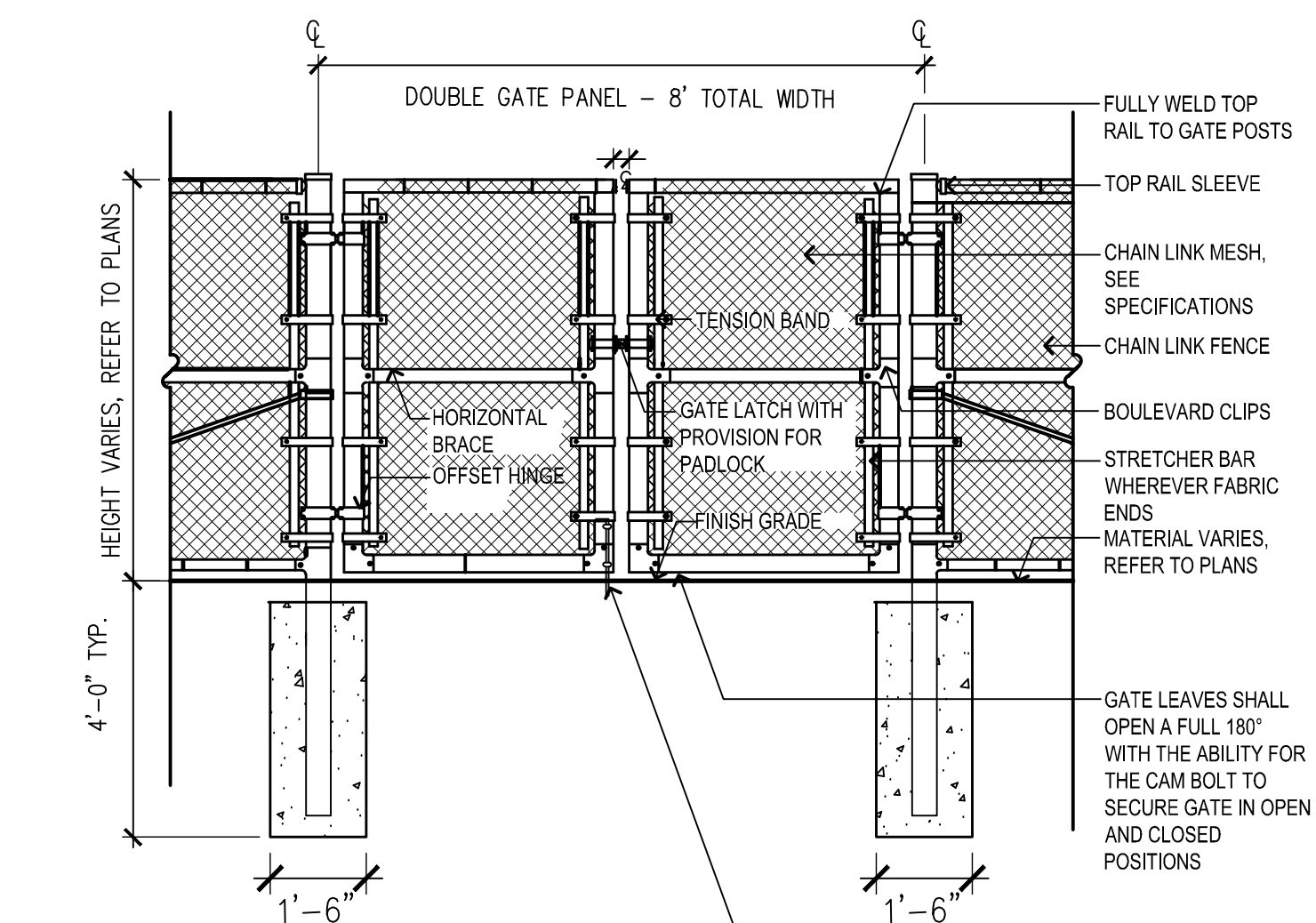


3 CHAIN LINK FENCE IN TURF ANCHOR
NOT TO SCALE



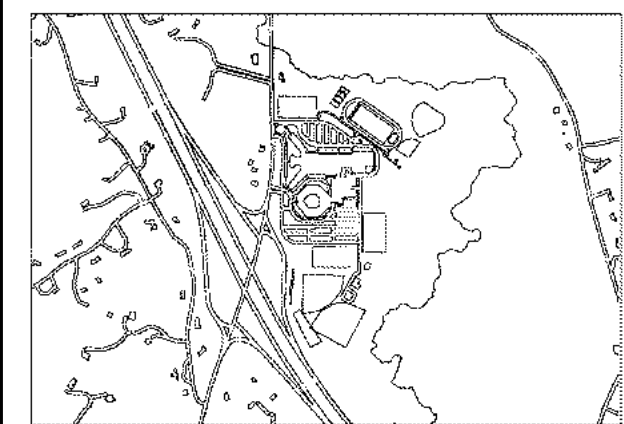
4 CHAIN LINK SINGLE GATE
NOT TO SCALE

CONCRETE FOOTING DEPTH AND WIDTH	
FENCE HEIGHT	3'
TERMINAL	48"x15"
LINE	48"x12"



5 CHAIN LINK DOUBLE GATE
NOT TO SCALE

\\US0277-PF550\1\SHARED_PROJECTS\210801991\design\drawing - Documents\Sheet\NOL\210801991_NOT_details.dwg 2/24/2024 10:18 AM by: Libbaur, Scott ORIGINAL SHEET - ARCH D



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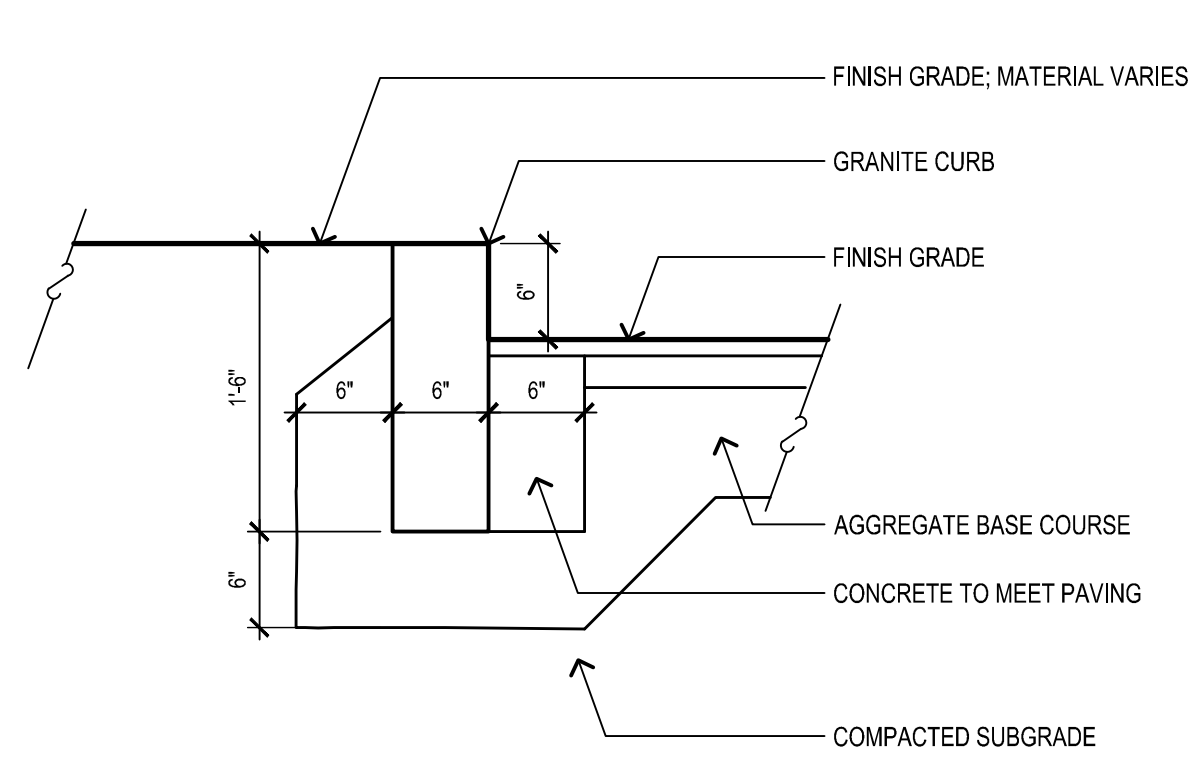
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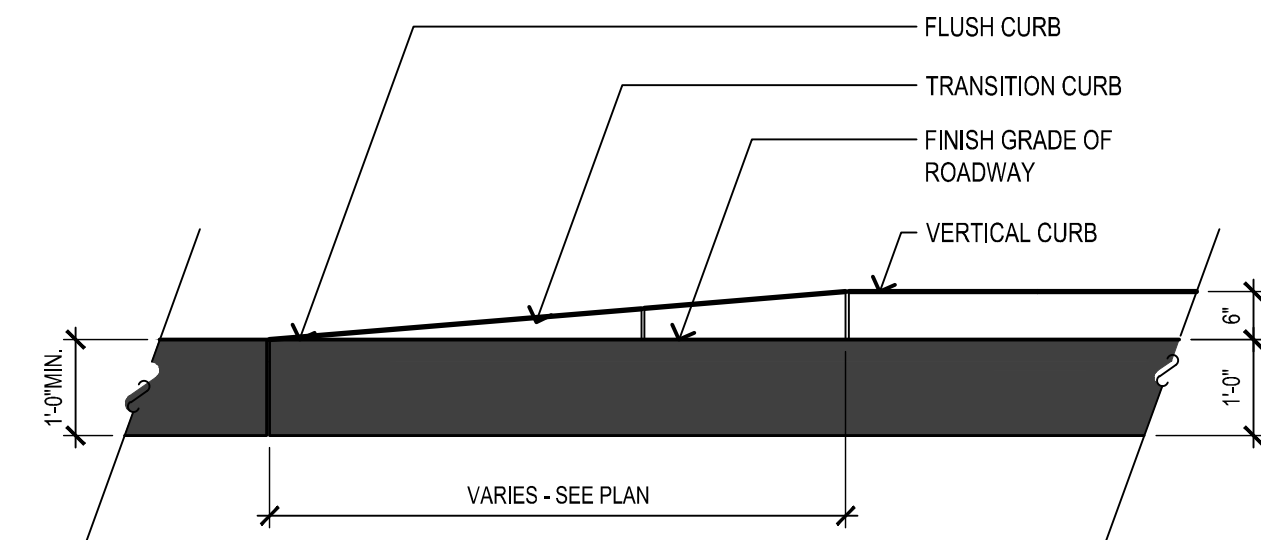
Client/Project
 MASCONOMET REGIONAL SCHOOL DISTRICT
 SYNTHETIC TURF FIELDS
 NOTICE OF INTENT
 BOXFORD, MA

Project No.: 210801991
 Scale: AS NOTED
 Title
 SITE DETAILS III

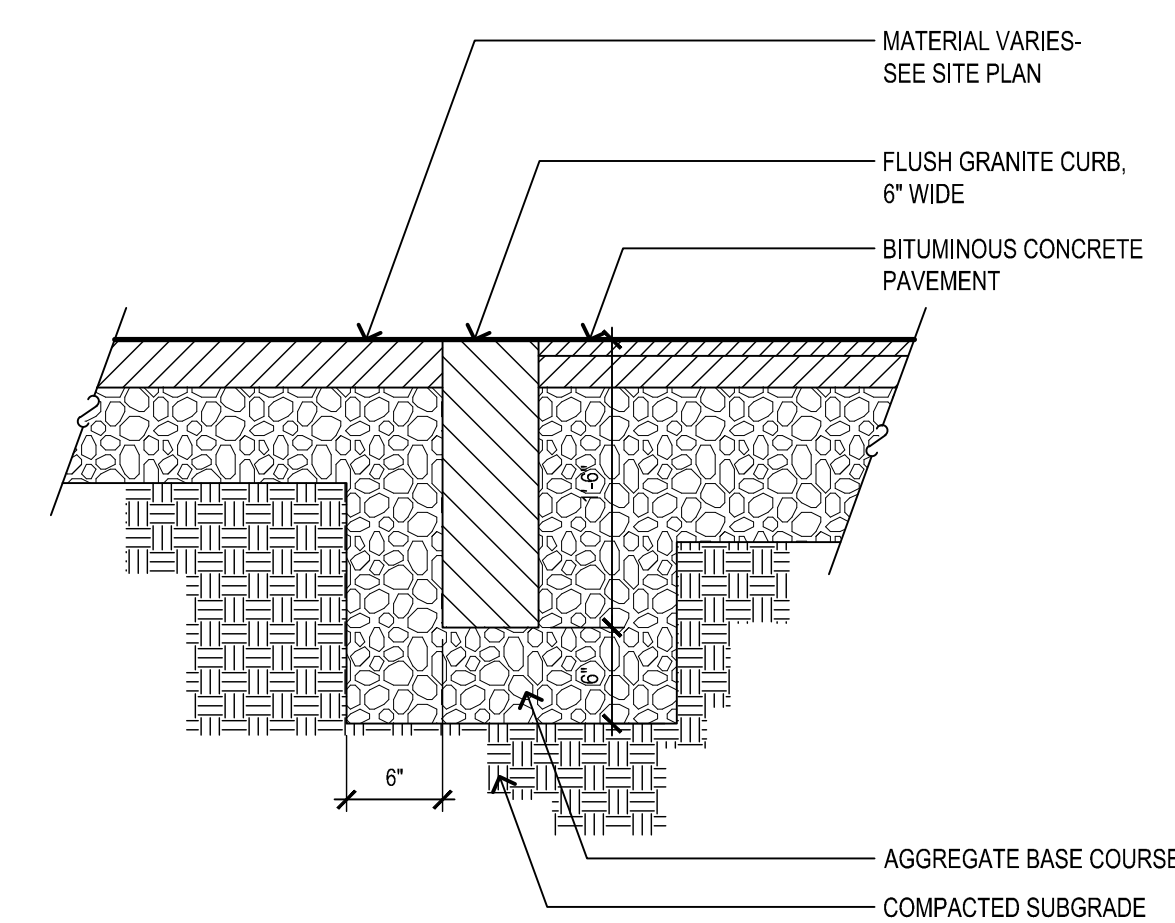
Drawing No.
LS-503



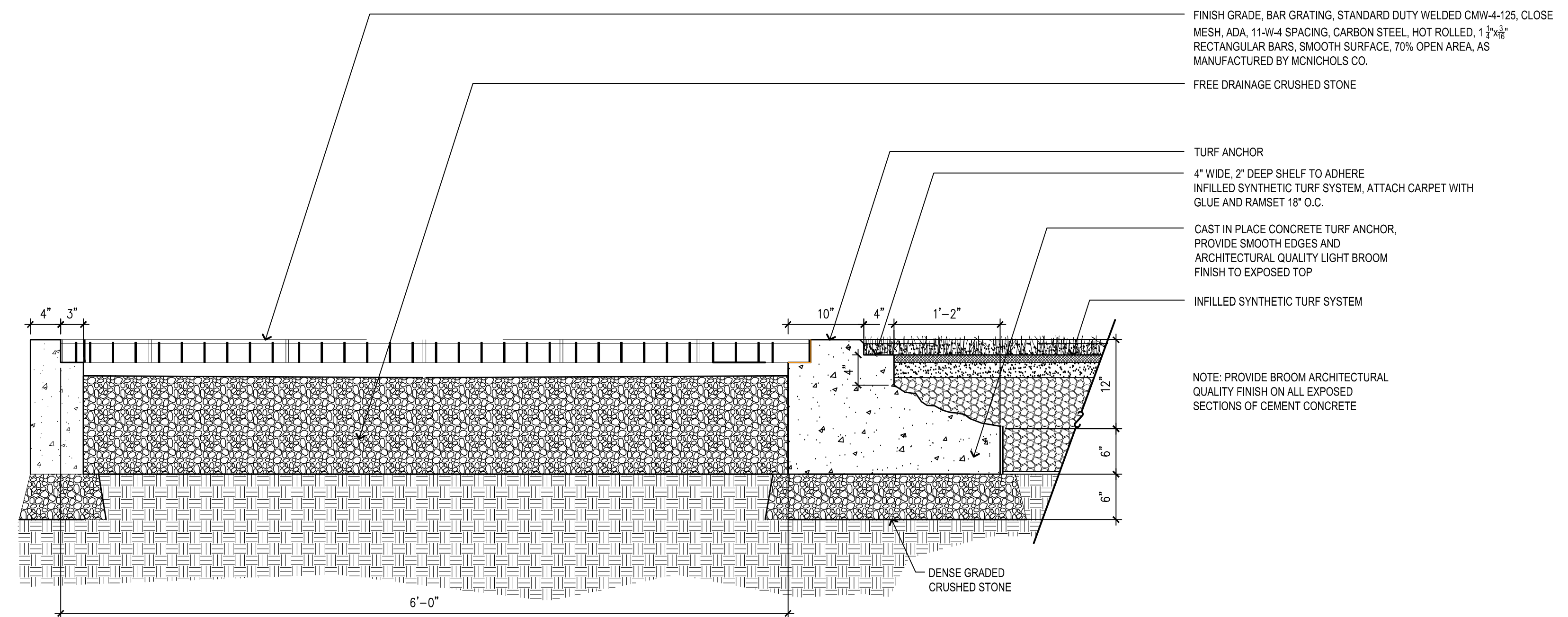
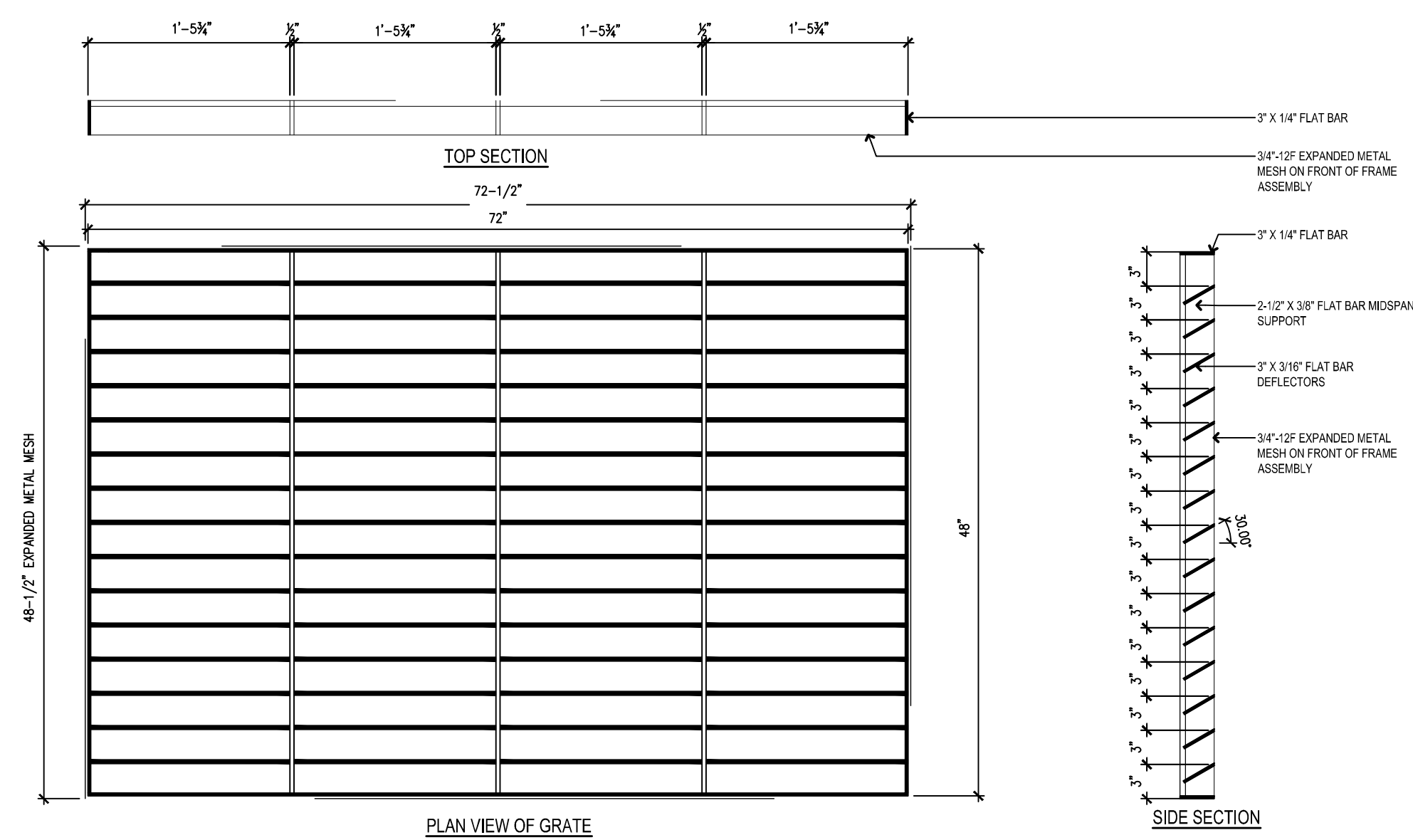
1 VERTICAL GRANITE CURB
 1" = 1'-0" 07-14



2 TRANSITION FROM VERTICAL CURB TO FLUSH CURB
 1/2" = 1'-0" 07-50



3 FLUSH GRANITE CURB
 1" = 1'-0" 07-04



SECTION

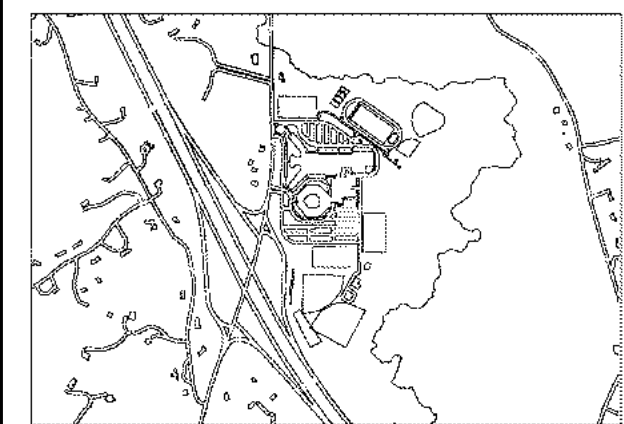
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Consultants

Notes

Locus Map



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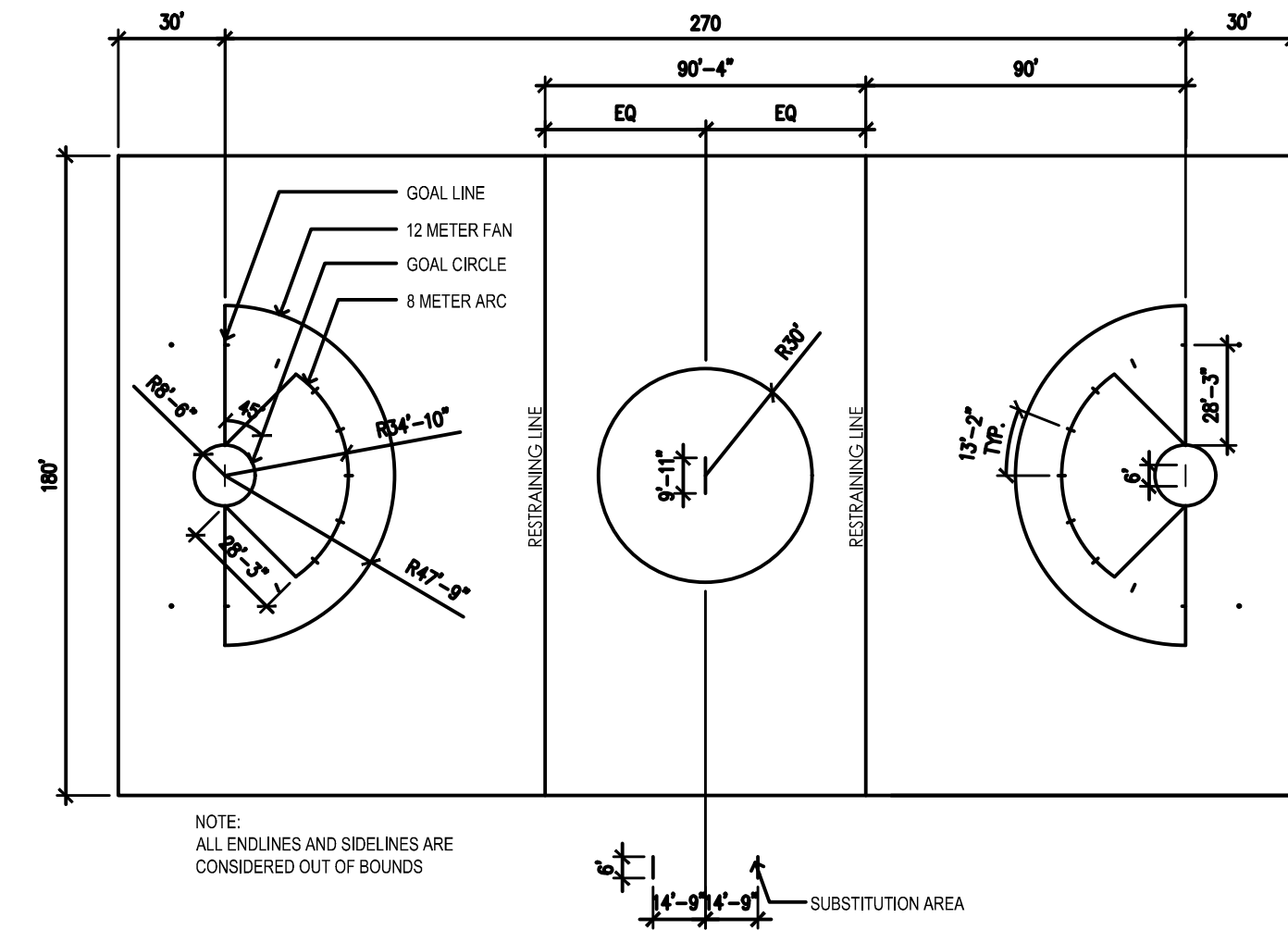
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Client/Project
MASCONOMET REGIONAL SCHOOL DISTRICT
SYNTHETIC TURF FIELDS
NOTICE OF INTENT
BOXFORD, MA

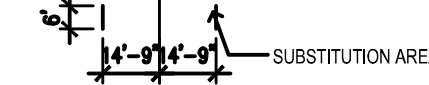
Project No.: 210801991
Scale: AS NOTED
Title
SITE DETAILS IV

Drawing No.
LS-504



- NOTES:
1. ALL MEASUREMENTS TAKEN FROM HALFWAY LINE TO INSIDE EDGE LINE.
 2. GIRLS LACROSSE SIDE AND ENDLINES ARE CONSIDERED OUT OF BOUNDS.
 3. SHOP DRAWINGS OF FIELD MARKINGS TO BE SUBMITTED TO LANDSCAPE ARCHITECT FOR APPROVAL.
 4. ON MARKINGS: LETTER MEANS WHAT SPORT NUMBER MEANS SIZE OF TICK

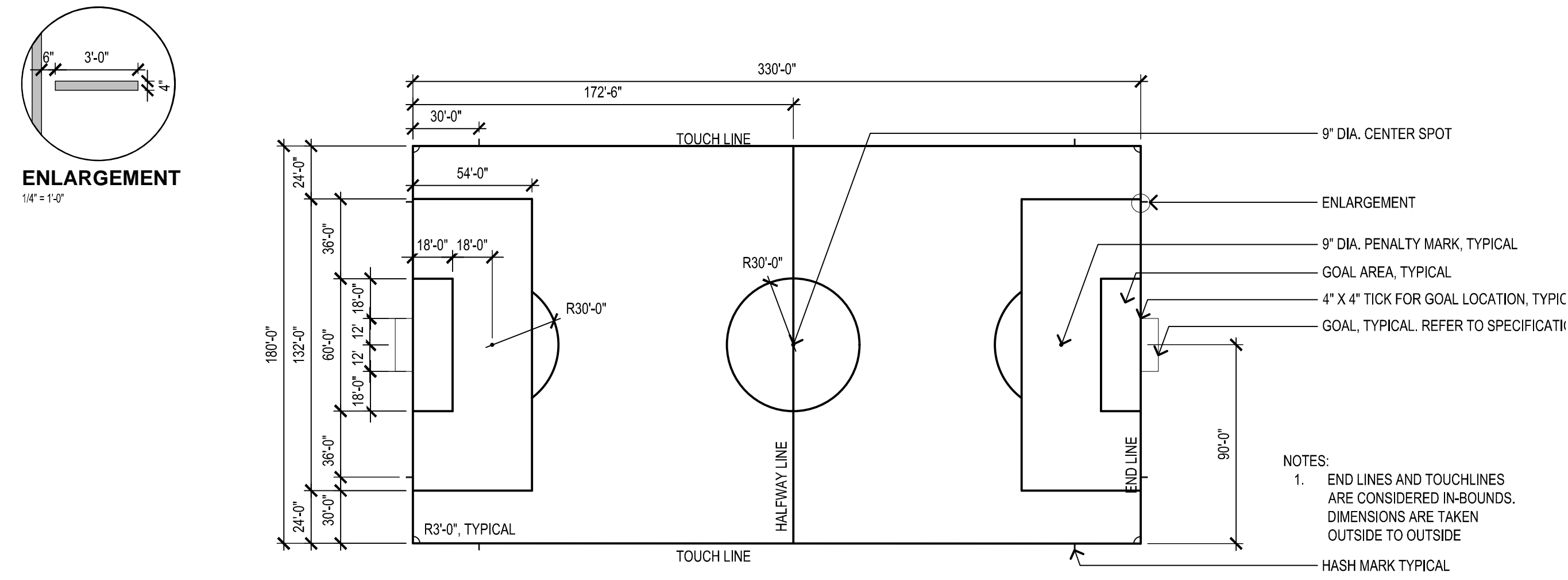
NOTE: ALL ENDLINES AND SIDELINES ARE CONSIDERED OUT OF BOUNDS



02 NFHS GIRLS LACROSSE FIELD LAYOUT

1" = 50'

DETAIL FILE

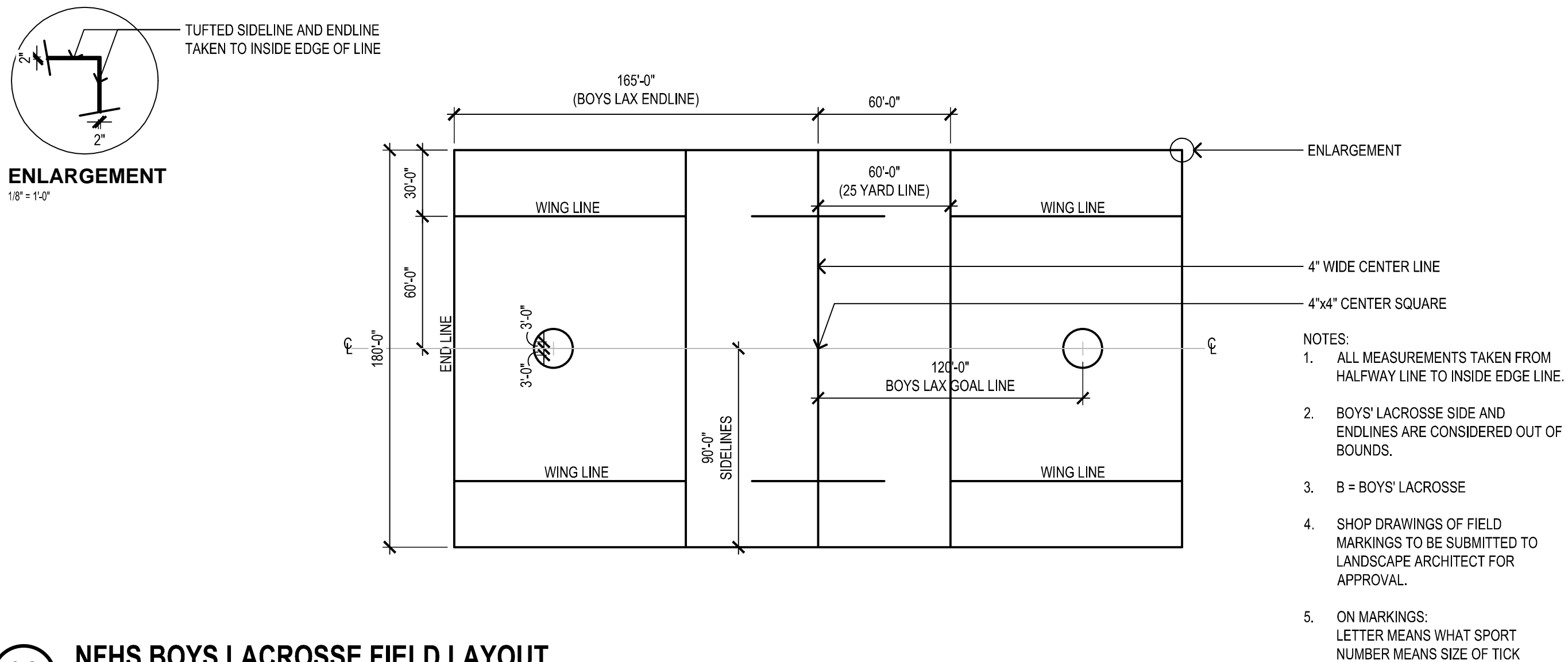


- NOTES:
1. END LINES AND TOUCHLINES ARE CONSIDERED IN-BOUNDS. DIMENSIONS ARE TAKEN OUTSIDE TO OUTSIDE

01 NFHS SOCCER FIELD LAYOUT (FIELD 2)

1" = 50'

DETAIL FILE

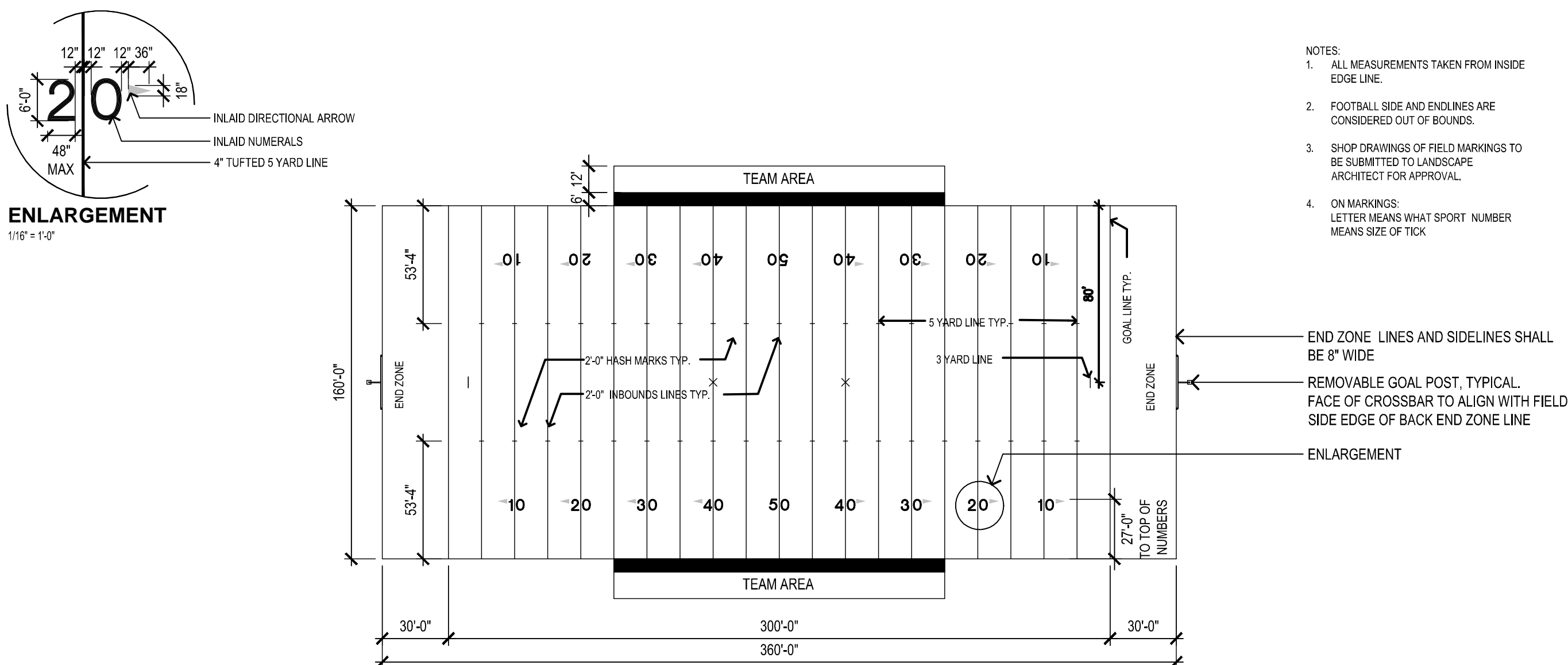


- NOTES:
1. ALL MEASUREMENTS TAKEN FROM HALFWAY LINE TO INSIDE EDGE LINE.
 2. BOYS' LACROSSE SIDE AND ENDLINES ARE CONSIDERED OUT OF BOUNDS.
 3. B = BOYS' LACROSSE
 4. SHOP DRAWINGS OF FIELD MARKINGS TO BE SUBMITTED TO LANDSCAPE ARCHITECT FOR APPROVAL.
 5. ON MARKINGS: LETTER MEANS WHAT SPORT NUMBER MEANS SIZE OF TICK

03 NFHS BOYS LACROSSE FIELD LAYOUT

1" = 50'

DETAIL FILE

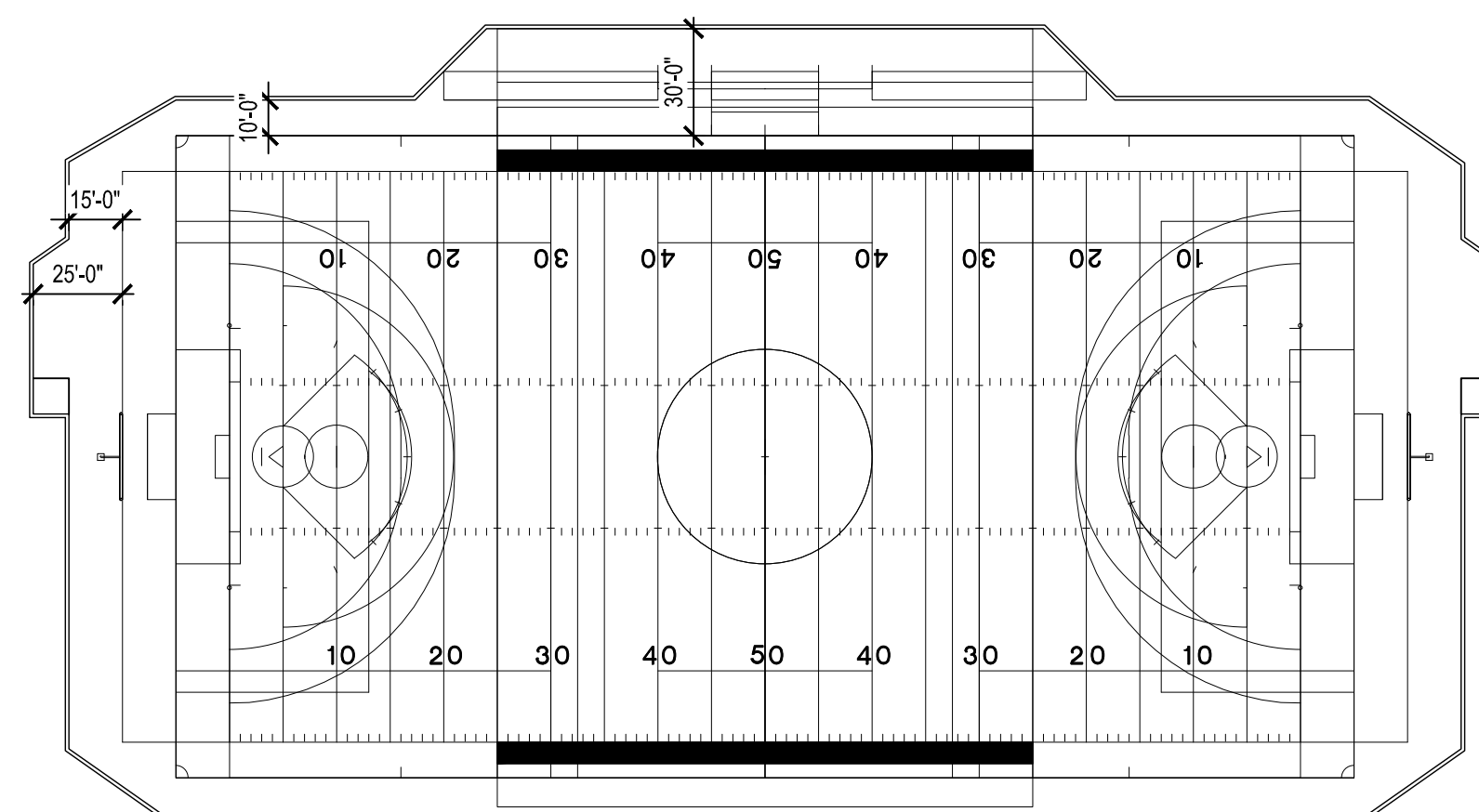


- NOTES:
1. ALL MEASUREMENTS TAKEN FROM INSIDE EDGE LINE.
 2. FOOTBALL SIDE AND ENDLINES ARE CONSIDERED OUT OF BOUNDS.
 3. SHOP DRAWINGS OF FIELD MARKINGS TO BE SUBMITTED TO LANDSCAPE ARCHITECT FOR APPROVAL.
 4. ON MARKINGS: LETTER MEANS WHAT SPORT NUMBER MEANS SIZE OF TICK

05 NFHS FOOTBALL FIELD LAYOUT (FIELD 2)

1" = 50'

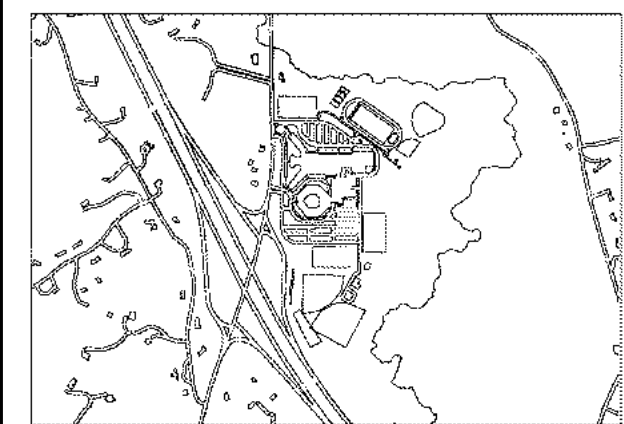
DETAIL FILE



06 FIELD 2 LINE LAYOUT

1" = 50'

DETAIL FILE



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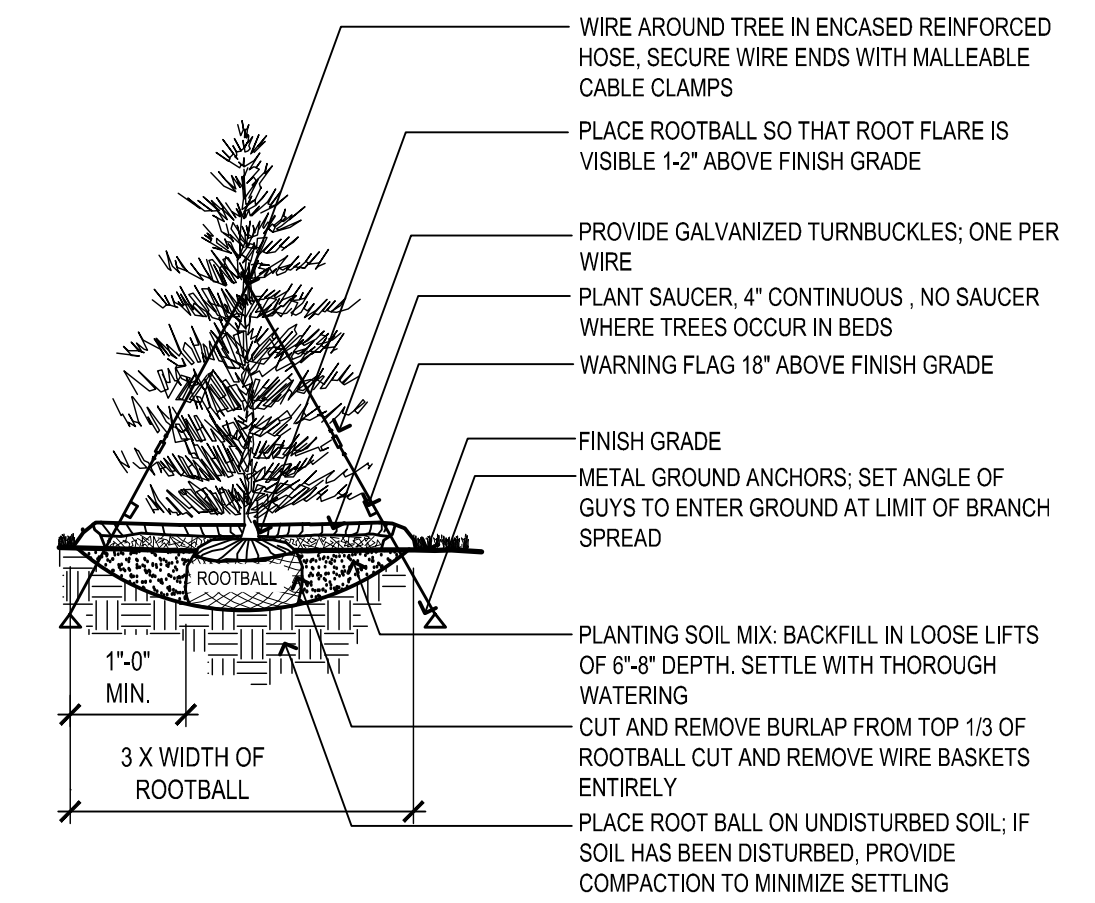


Client/Project
MASCONOMET REGIONAL SCHOOL DISTRICT
SYNTHETIC TURF FIELDS
NOTICE OF INTENT
BOXFORD, MA

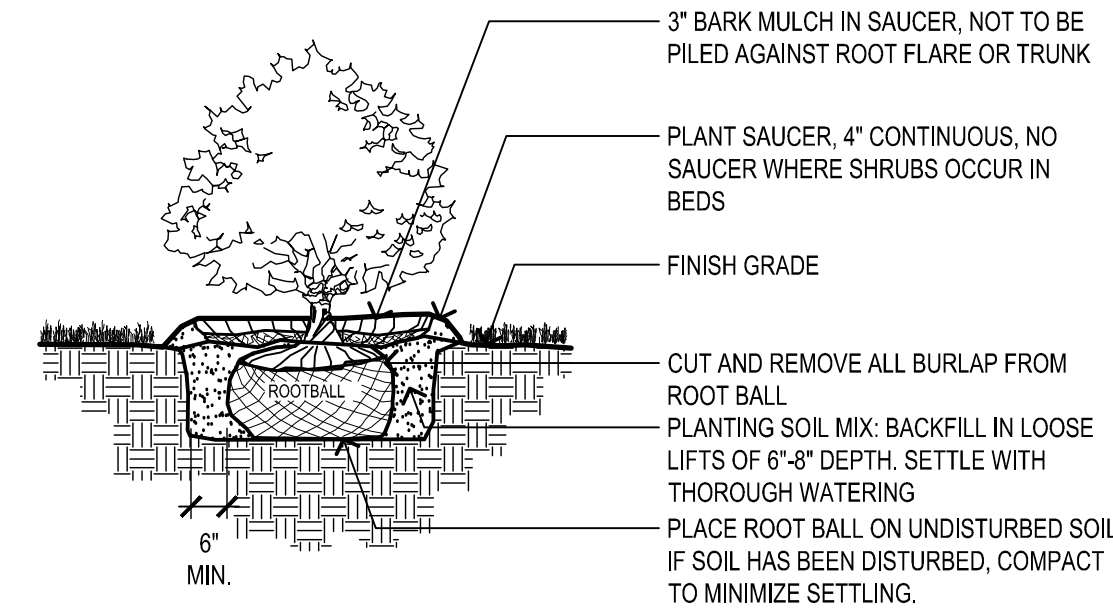
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Title
PLANTING DETAILS

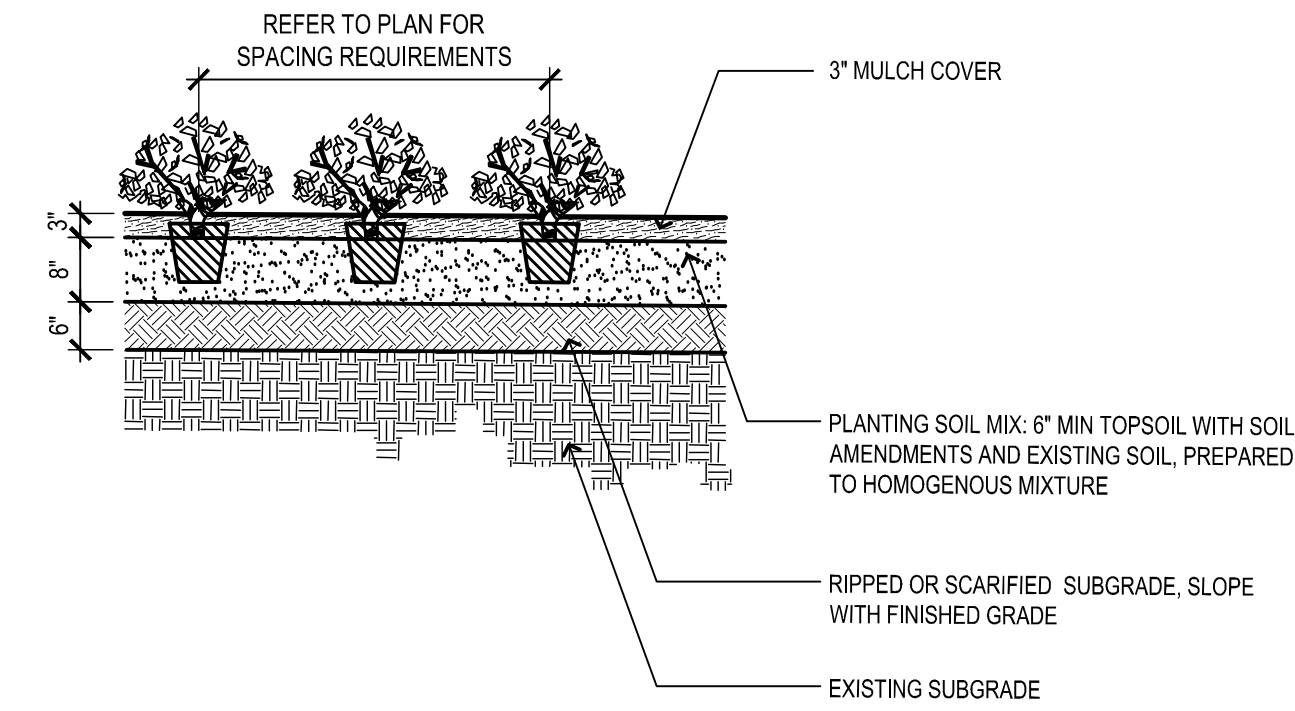
Drawing No.
LP-501



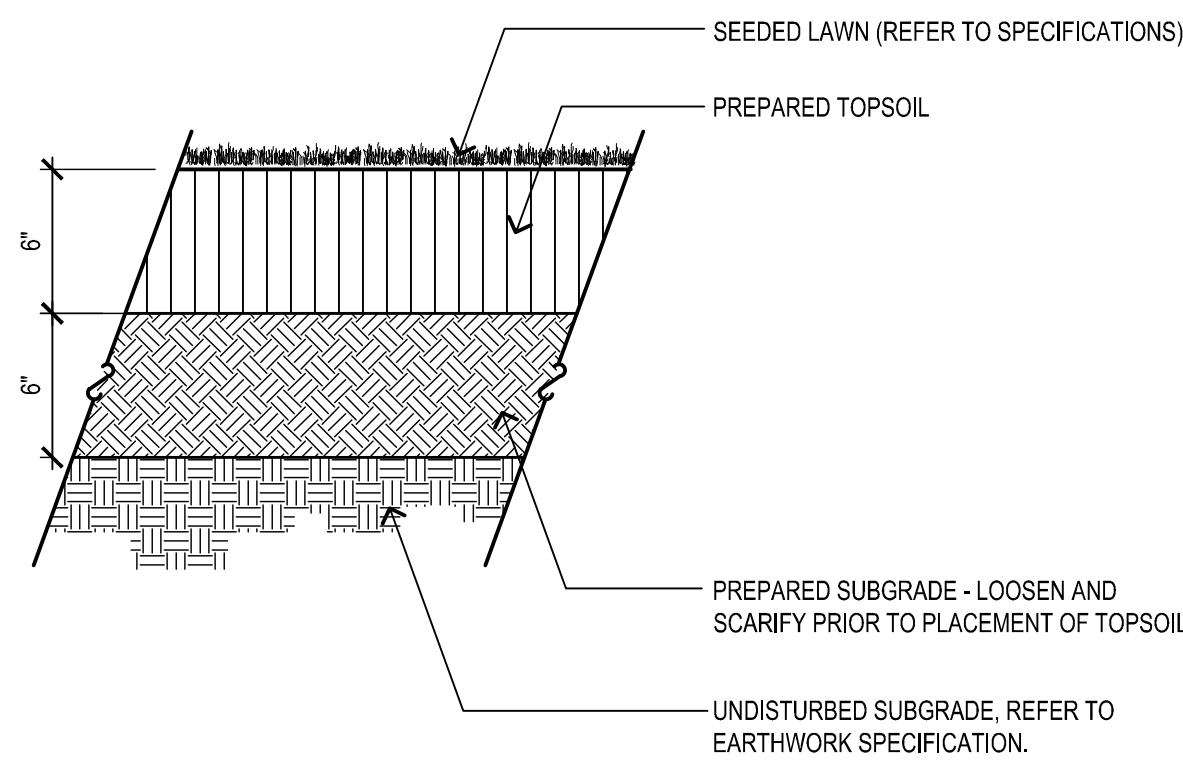
- NOTE:
- TREE SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO NURSERY OR FIELD GRADE.
 - INSTALL THREE GUYS PER TREE; EQUALLY SPACED AROUND BALL. ATTACH GUYS AT 2/3 HEIGHT OF TREE; USE DOUBLE STRAND GALVANIZED STEEL WIRE.
 - ROOT FLARE SHALL BE VISIBLE 1-2' ABOVE FINISH GRADE.



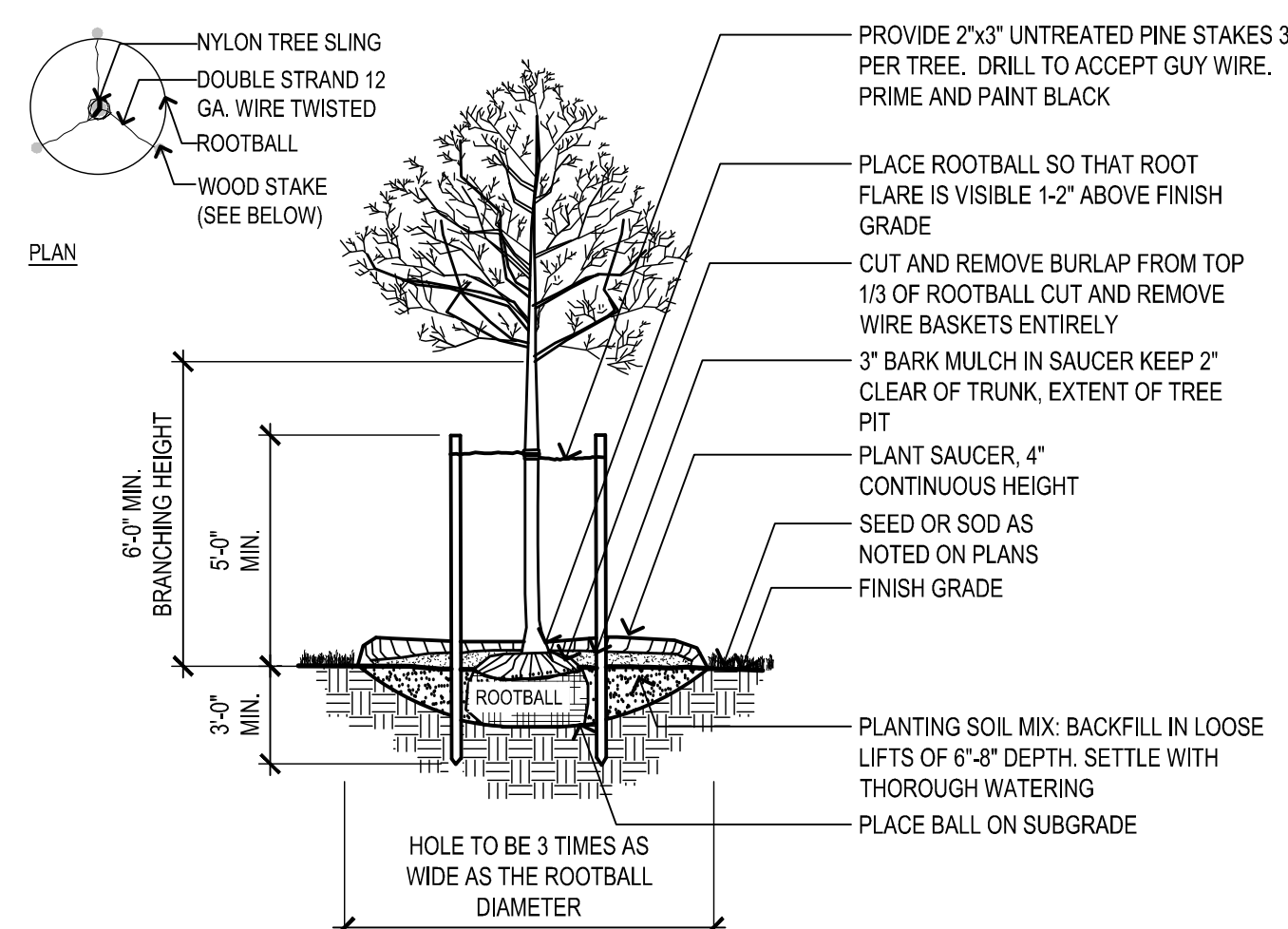
- NOTES:
- SHRUB SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO NURSERY OR FIELD GRADE.
 - WHERE SHRUBS OCCUR IN GROUPINGS IN PLANT BEDS, PROVIDE 2' FOOT DEEP CONTINUOUS LOAM BED.



02 GROUND COVER PLANTING
1/2" = 1'-0" DETAIL-FILE



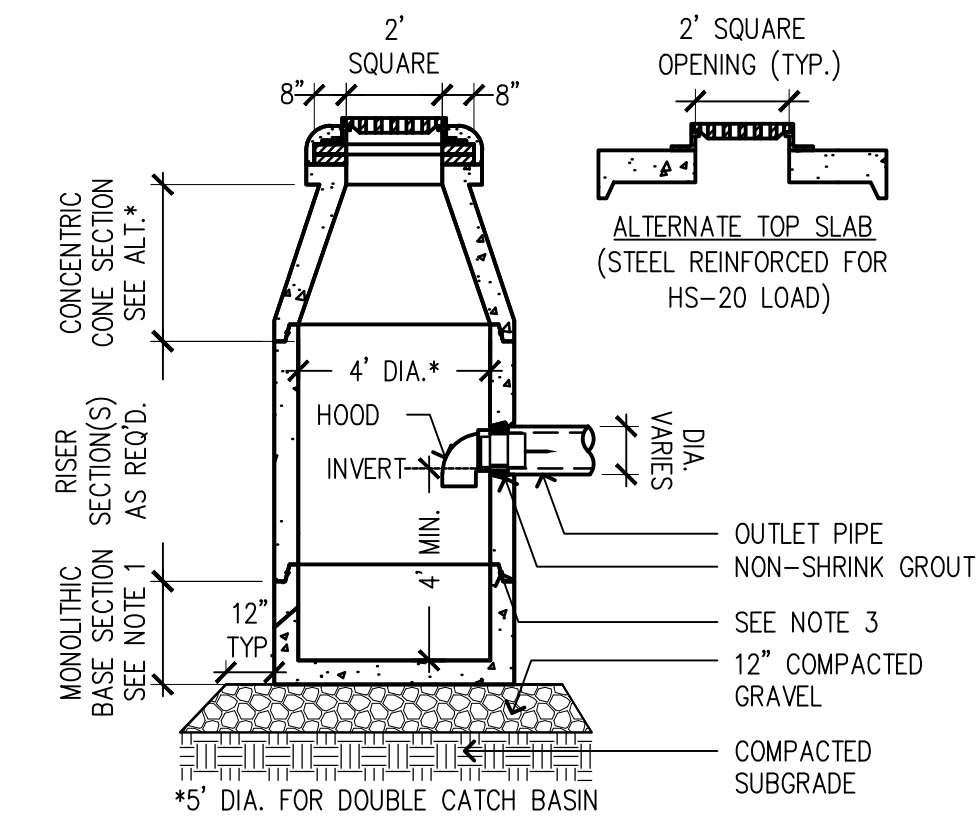
01 LOAM AND SEED OR SOD PLANTING
1/2" = 1'-0" DETAIL-FILE



- NOTE:
- TREE SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO NURSERY OR FIELD GRADE
 - CONTRACTOR MAY USE PLASTIC TREE GUYING CHAIN IF APPROVED BY LANDSCAPE ARCHITECT

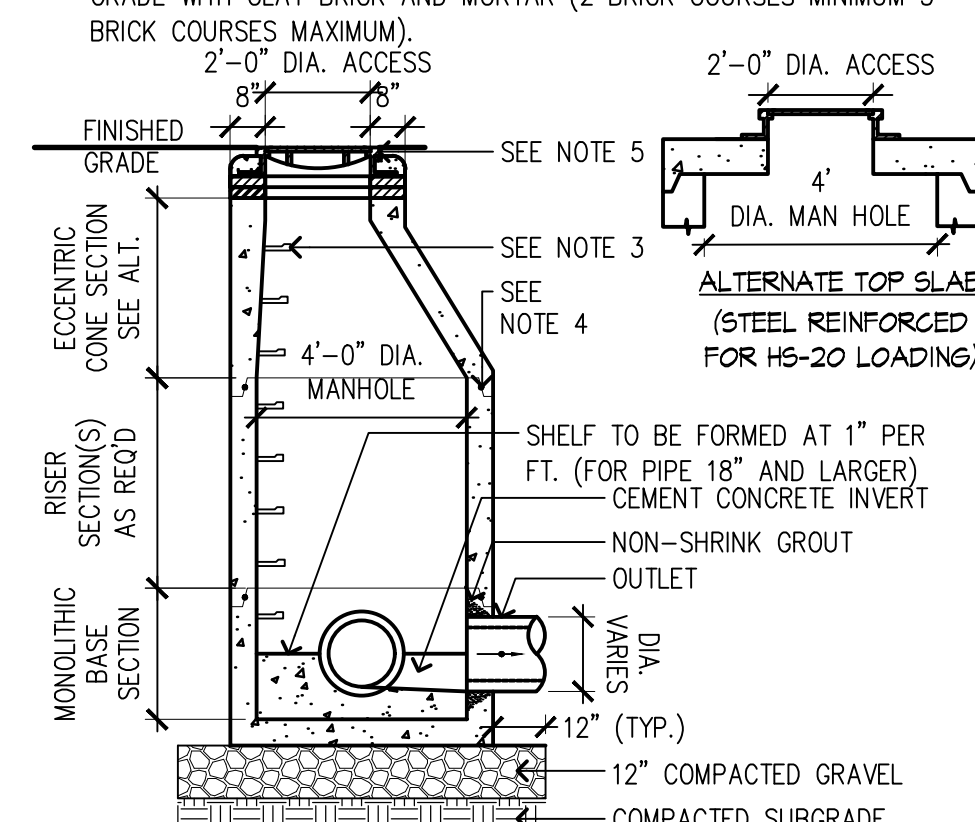
05 DECIDUOUS TREE PLANTING WITH STAKING
1/4" = 1'-0" DETAIL-FILE

- NOTES:
- ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING.
 - PROVIDE "V" KNOCKOUTS FOR PIPES WITH 1" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS.
 - JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
 - CATCH BASIN FRAME SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR. (2 BRICK COURSES 6" MIN. 5 BRICK COURSES MAX.)
 - HOOD TO BE SNOUT BY BEST MANAGEMENT PRACTICES



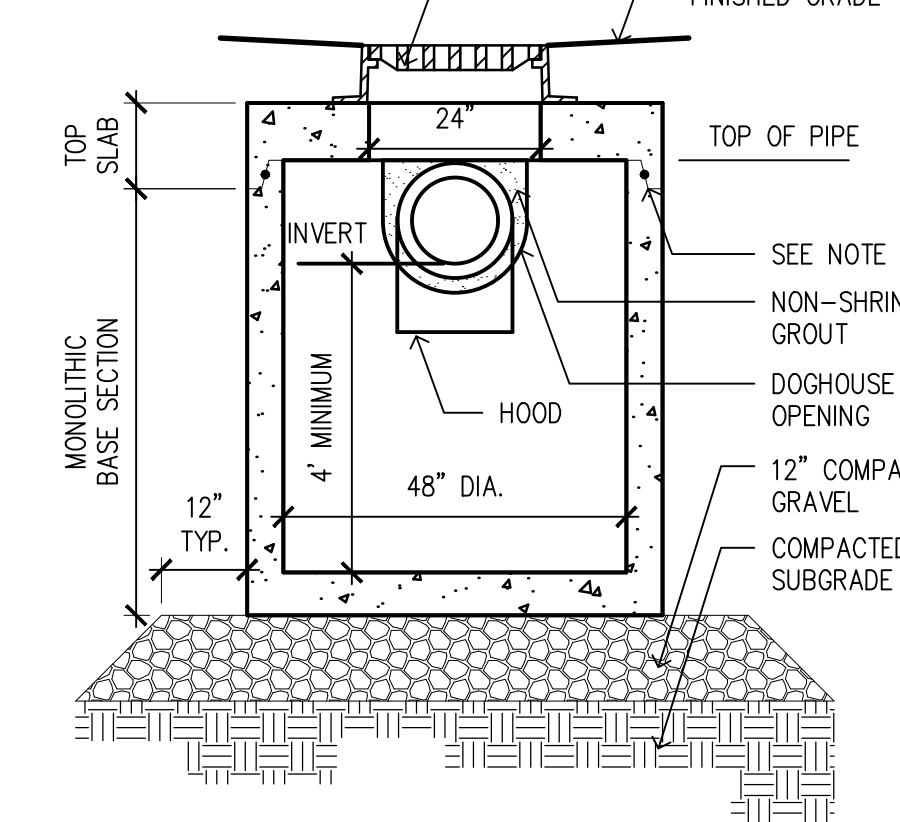
1 CATCH BASIN
SCALE: NTS

- NOTES:
- ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING.
 - PROVIDE "V" KNOCKOUTS FOR PIPES WITH 1" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS.
 - COPOLYMER MANHOLE STEPS SHALL BE INSTALLED AT 12" O.C. FOR THE FULL DEPTH OF THE STRUCTURE.
 - JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
 - DRAIN MANHOLE FRAME SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR (2 BRICK COURSES MINIMUM 5 BRICK COURSES MAXIMUM).

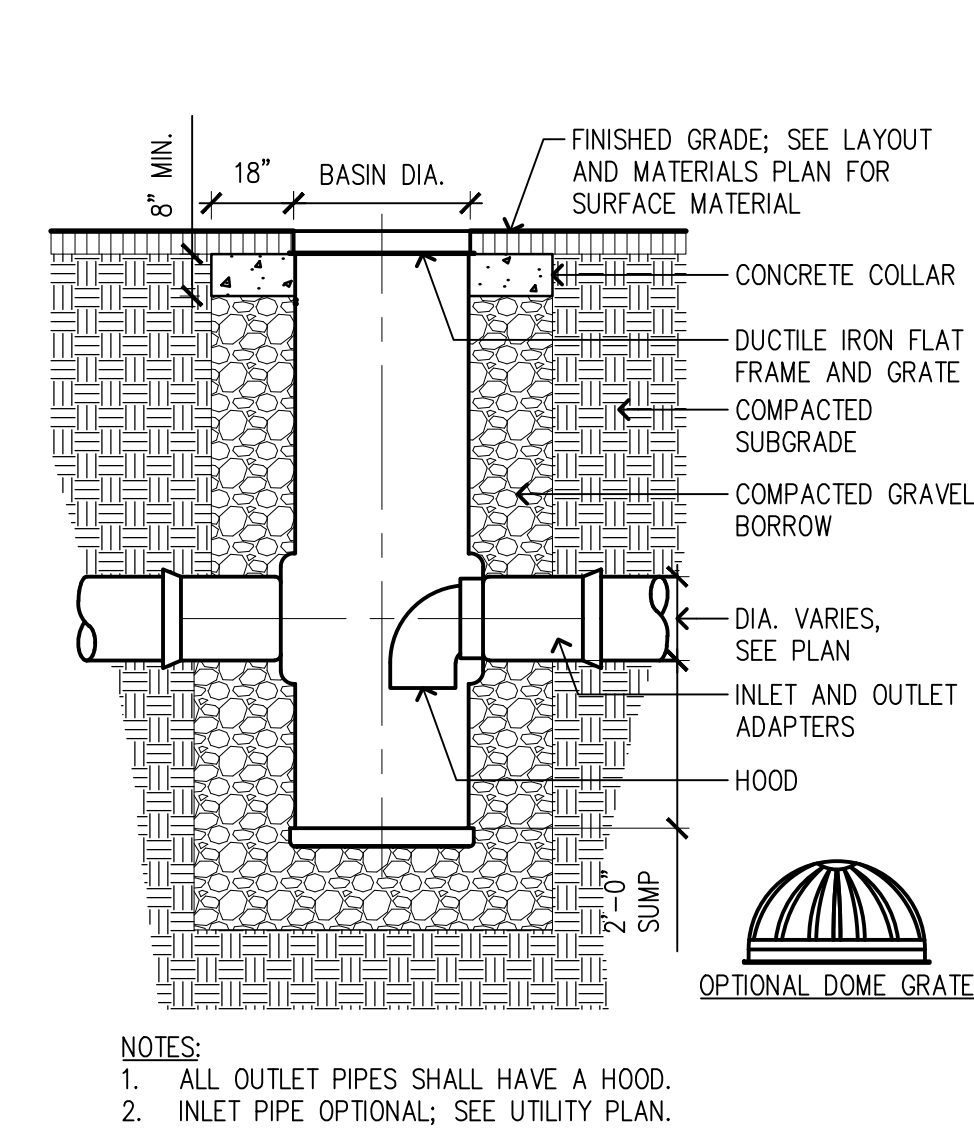


2 DRAIN MANHOLE
SCALE: NTS

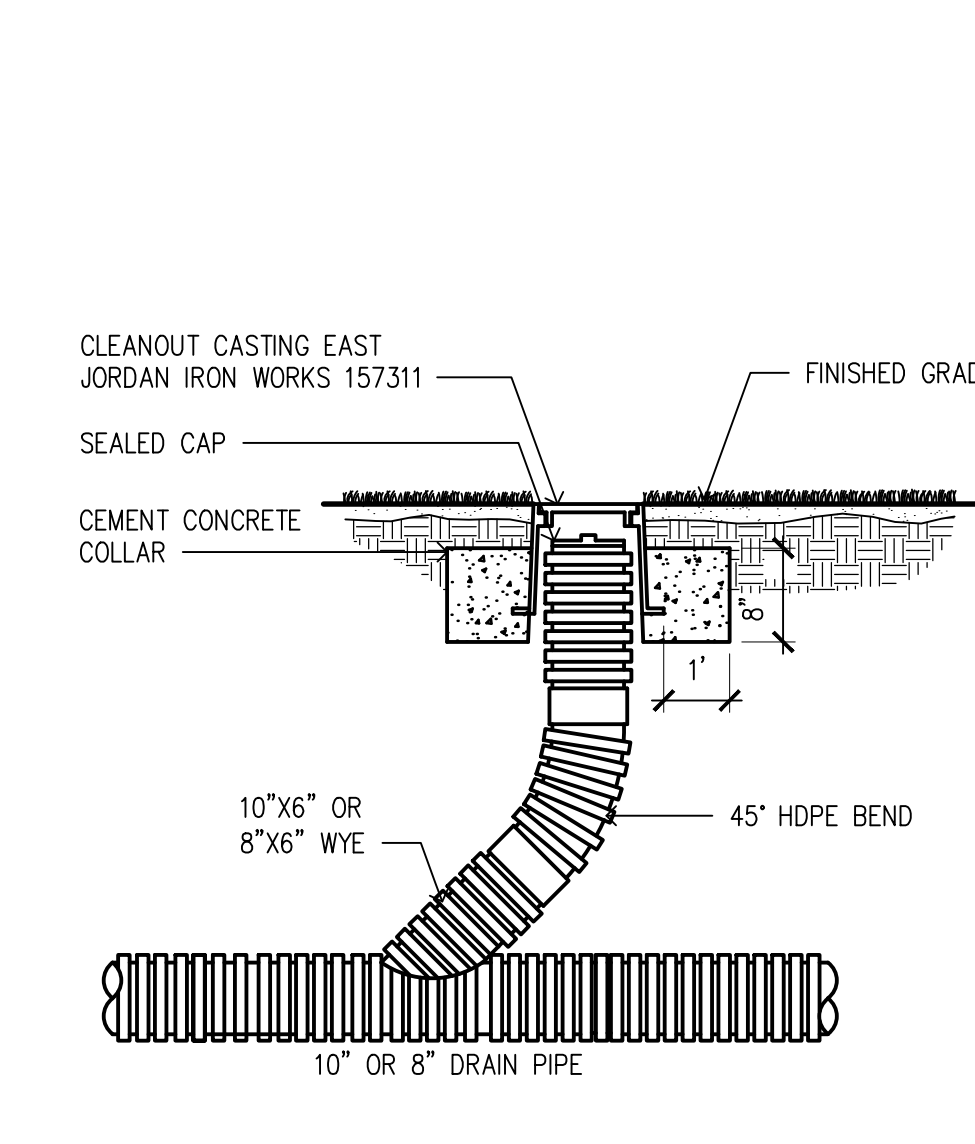
- NOTES:
- ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING.
 - PROVIDE "V" KNOCKOUTS FOR PIPES WITH 1" MAX. CLEARANCE TO OUTSIDE OF PIPE.
 - MORTAR ALL PIPE CONNECTIONS. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
 - CATCH BASIN FRAME SHALL BE SET IN FULL MORTAR BED.



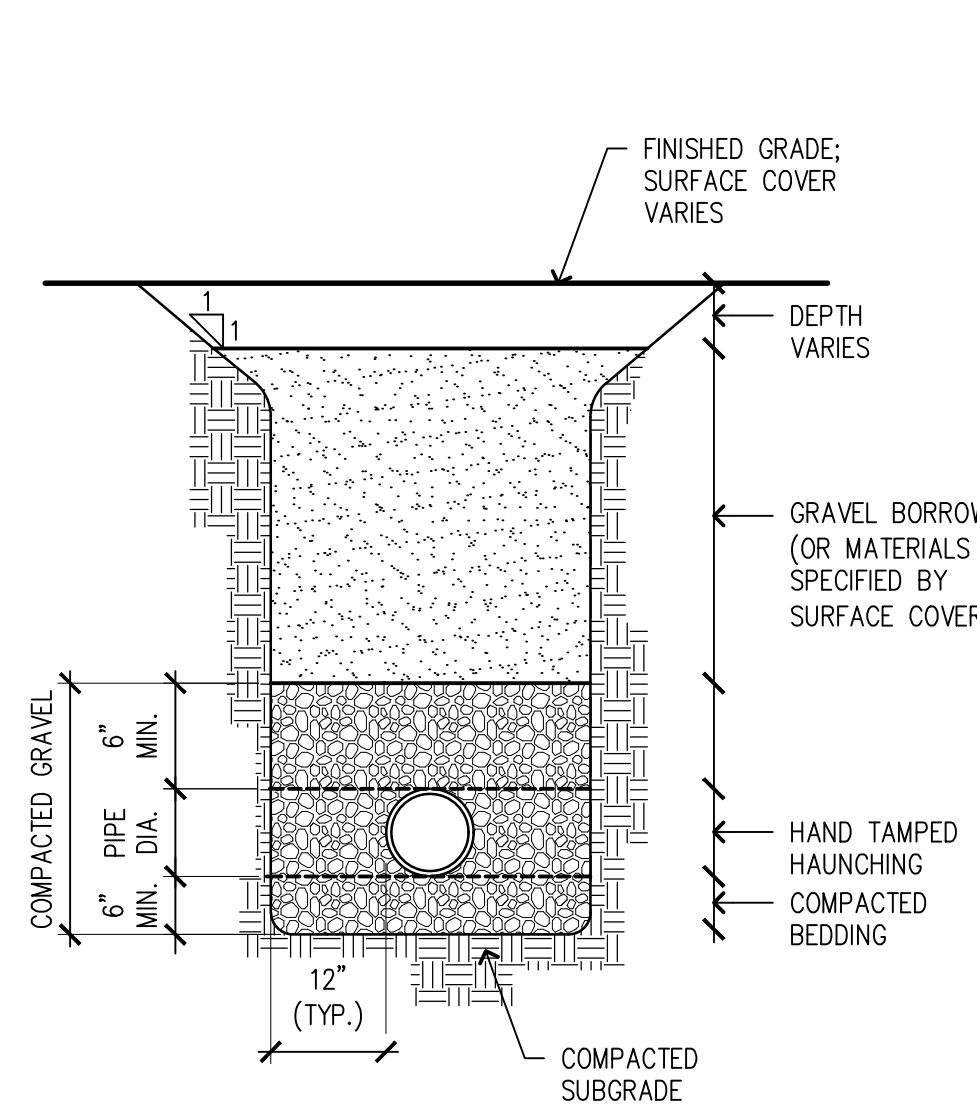
3 CATCH BASIN - SHALLOW COVER
SCALE: NTS REV



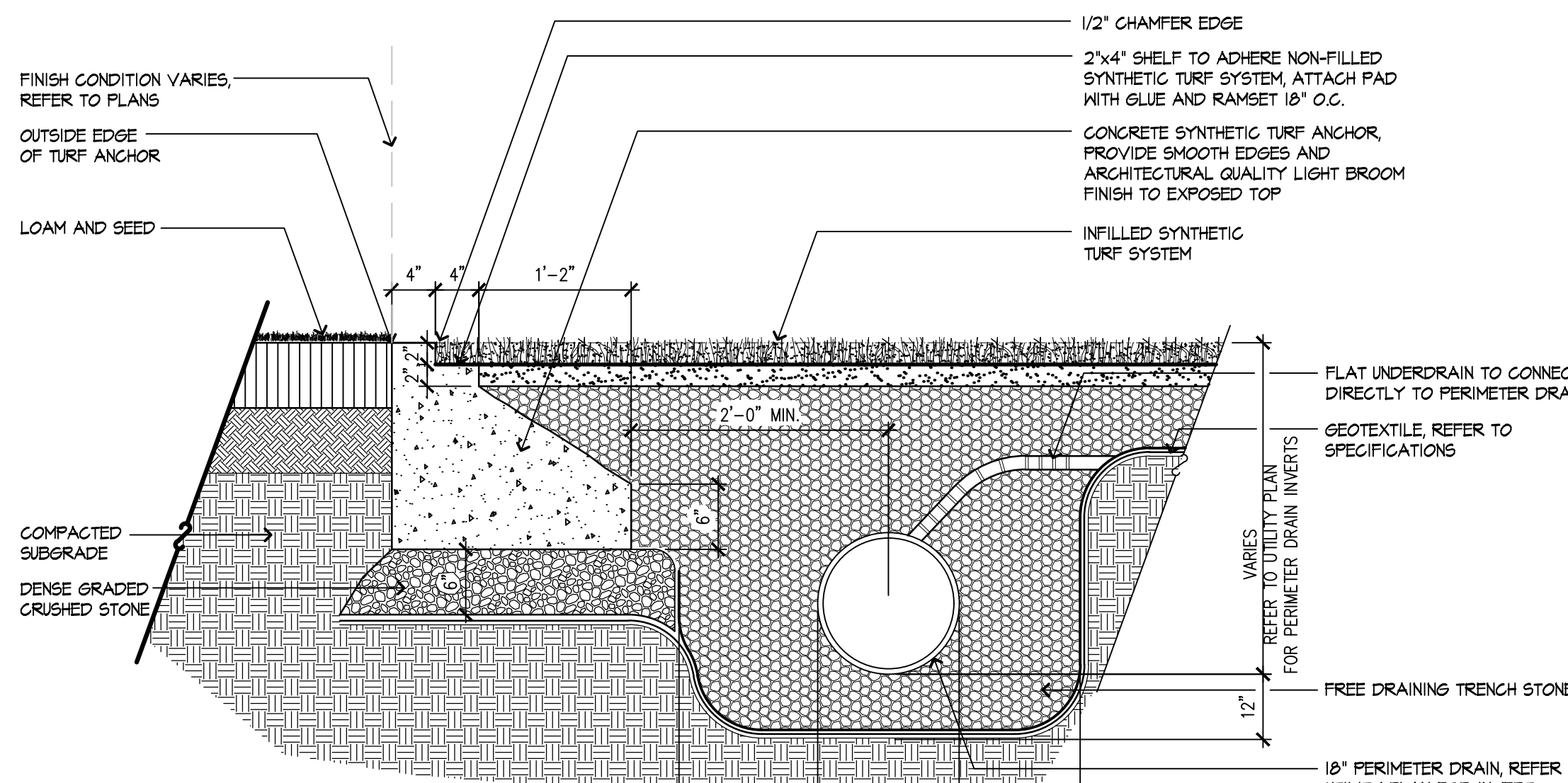
4 AREA DRAIN
SCALE: NTS



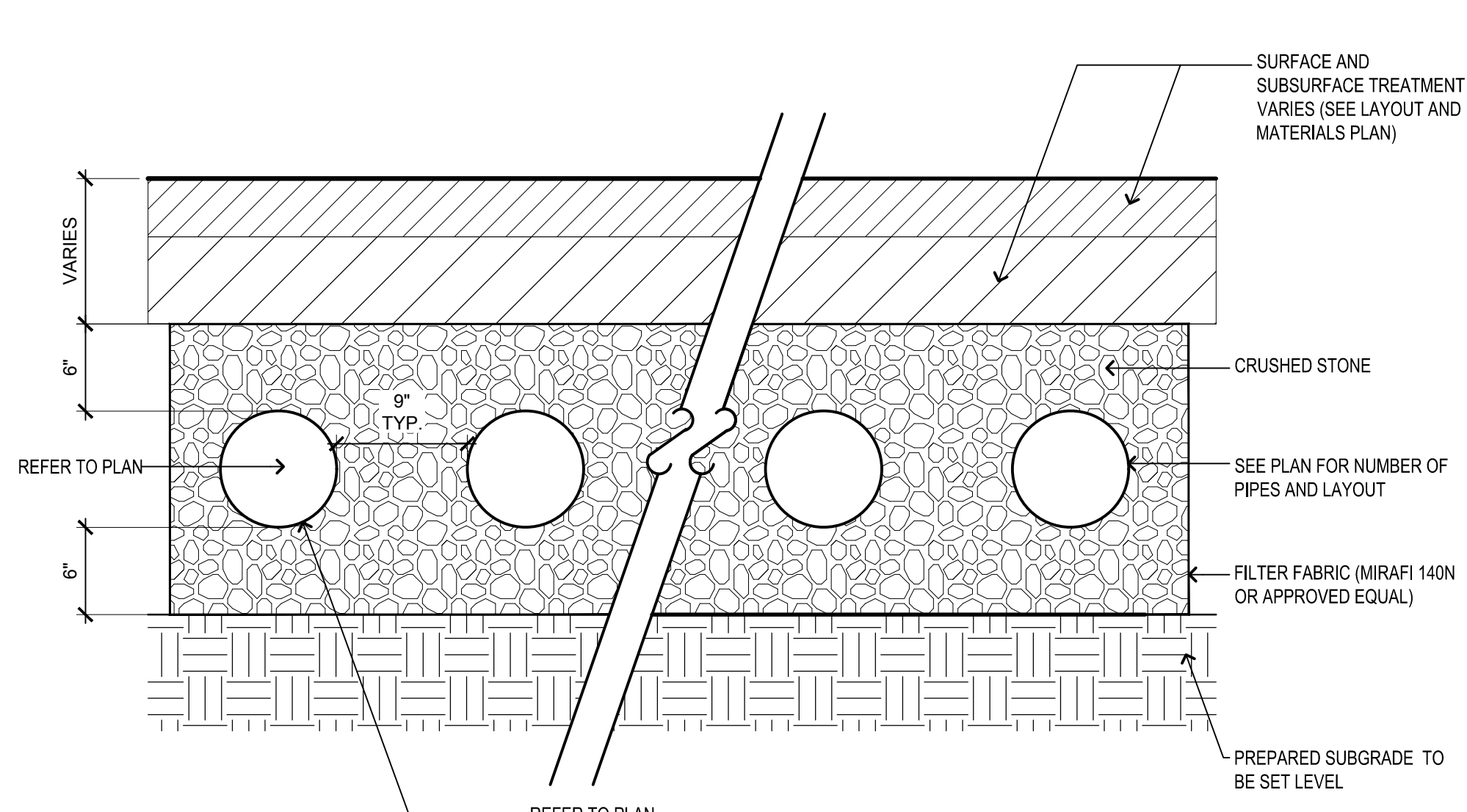
5 DRAINAGE SERVICE CLEANOUT
SCALE: NTS



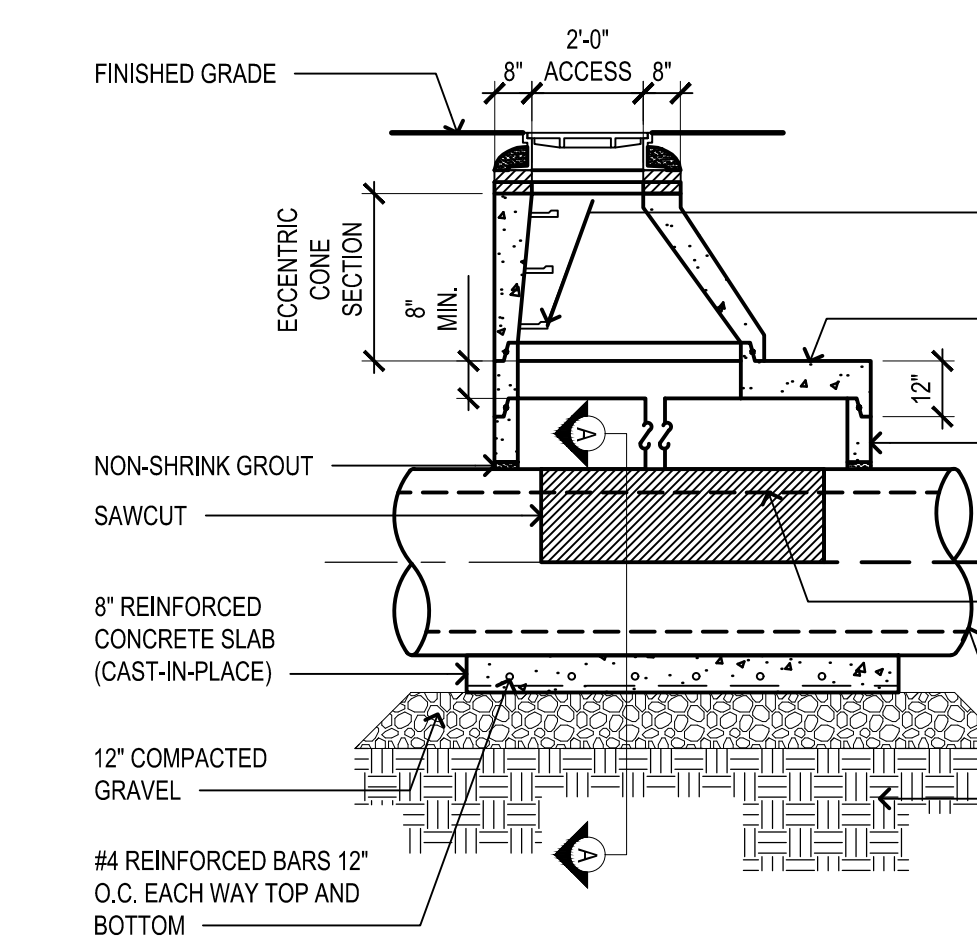
6 UTILITY TRENCH
SCALE: NTS REV



7 COLLECTOR PIPE TRENCH
SCALE: NTS

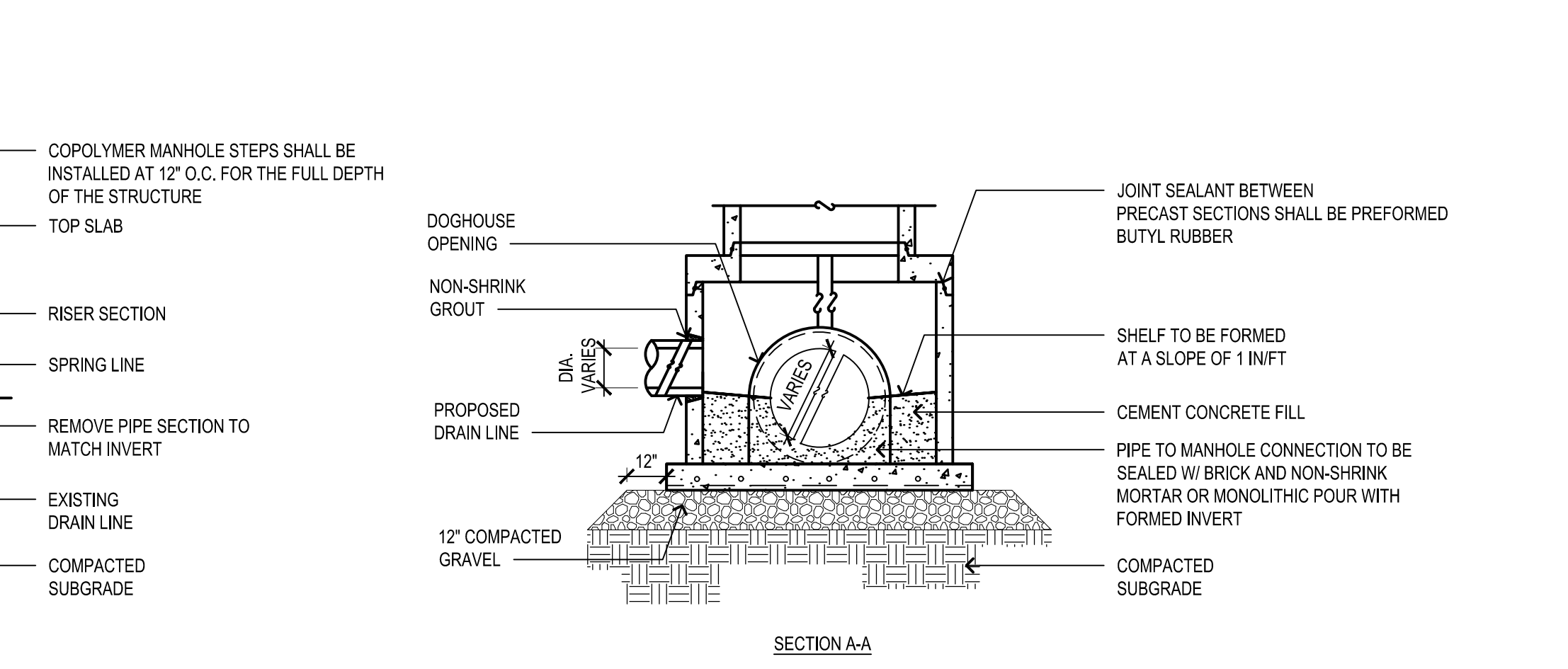


8 UNDERGROUND INFILTRATION PIPE SYSTEM
SCALE: NTS



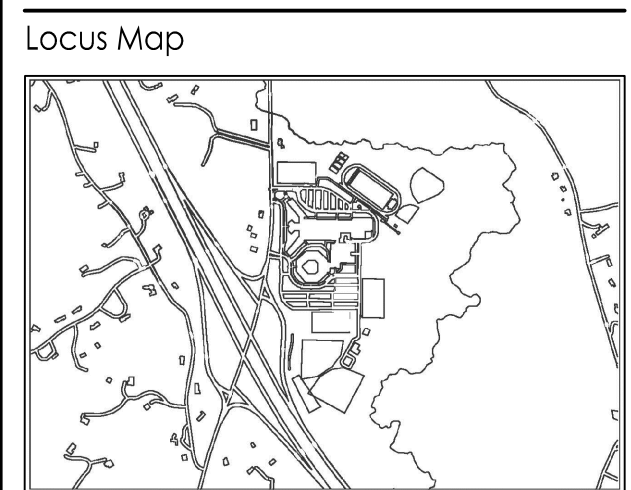
- NOTES:
- ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING.
 - PROVIDE "V" KNOCKOUTS FOR PIPES WITH 1" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS.
 - BASE SECTION SHALL HAVE AN INSIDE DIMENSION VERIFIED BY THE CONTRACTOR/ MANUFACTURER TO BE CONSTANT WITH THE GEOMETRICS AND SIZES.
 - FRAME AND COVER SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR (2 BRICK COURSES TYPICALLY, 5 BRICK COURSES MAXIMUM).

9 DOGHOUSE MANHOLE
SCALE: NTS



- NOTES:
- ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING.
 - PROVIDE "V" KNOCKOUTS FOR PIPES WITH 1" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS.
 - BASE SECTION SHALL HAVE AN INSIDE DIMENSION VERIFIED BY THE CONTRACTOR/ MANUFACTURER TO BE CONSTANT WITH THE GEOMETRICS AND SIZES.
 - FRAME AND COVER SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR (2 BRICK COURSES TYPICALLY, 5 BRICK COURSES MAXIMUM).

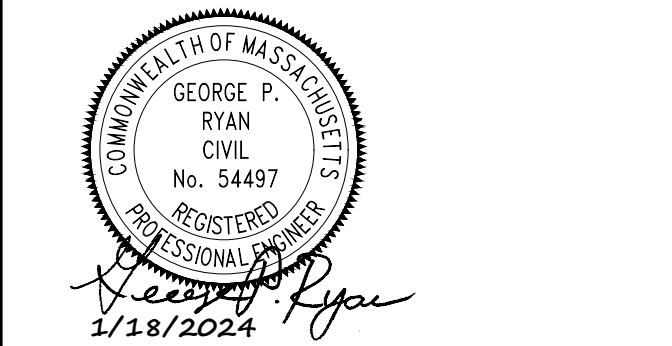
9 DOGHOUSE MANHOLE
SCALE: NTS



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SYNTHETIC TURF FIELDS
NOTICE OF INTENT
BOXFORD, MA

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CU-501