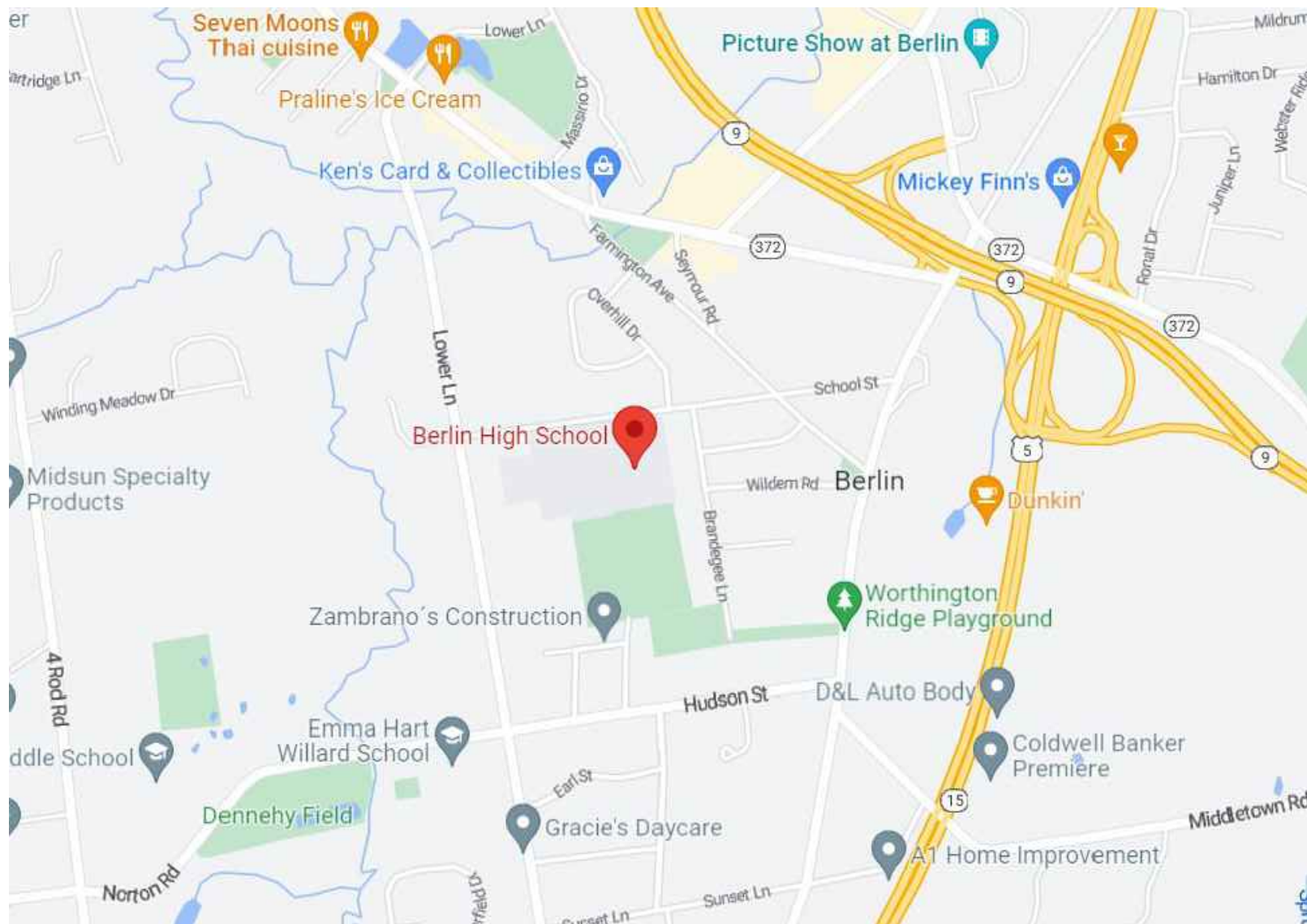


BERLIN HIGH SCHOOL BISCOGLIO FIELD RENOVATIONS

139 PATTERSON WAY
BERLIN, CT



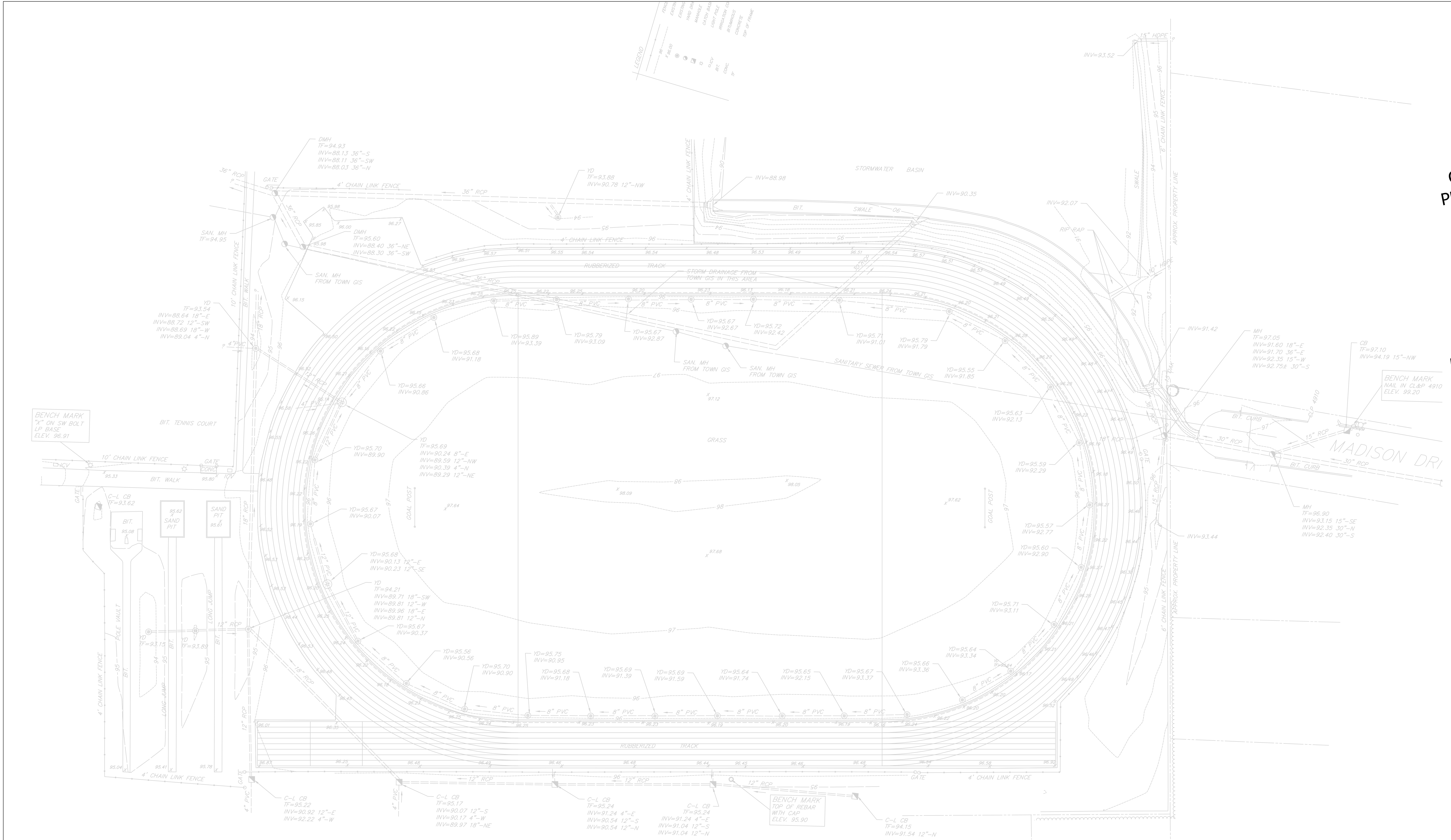
VOL. I OF I

BID SET

FEBRUARY 17, 2023

KAESTLE BOOS ASSOCIATES, INC. KAESTLE BOOS ARCHITECTURAL & LANDSCAPE
associates, inc.

DRAWING LIST:	
L0.00	EXISTING CONDITIONS PLAN- FROM BONGIOVANNI GROUP
C1.0	EROSION & SEDIMENTATION CONTROL PLAN
C2.0	DRAINAGE PLAN
C3.0	CIVIL DETAILS
L1.00	SITE DEMOLITION PLAN
L2.00	SITE LAYOUT & MATERIALS PLAN- BASE BID
L2.01	SITE LAYOUT & MATERIALS PLAN- ALTERNATES
L3.00	SITE GRADING PLAN
L4.00	DETAILS
L4.01	DETAILS
L4.02	DETAILS
L4.03	DETAILS
L4.04	ALTERNATE DETAILS
L4.05	ALTERNATE DETAILS



NOTE:
1. EXISTING CONDITIONS AND UTILITIES INFORMATION WAS OBTAINED FROM SURVEY FILES ENTITLED "TOPOGRAPHIC SURVEY" DATED 8/25/22 BY THE BONGIOVANNI GROUP.

KAESTLE BOOS
associates, inc

416 Slater Road, New Britain, CT 06050-2590
Phone: 860-229-0361 ▲ Fax: 860-229-5303
Additional offices located in Massachusetts and Rhode Island
Email: kba@kba-architects.com ▲ Web: www.kba-architects.com

CONSTRUCTION /
PROGRAM MANAGER

CONSULTANTS

PROGRESS PRINT

DATE:
NOT FOR CONSTRUCTION

ISSUE DATE
DESCRIPTION

DATE
FEBRUARY 17, 2023
DRAWINGS ISSUED FOR BID


REVISIONS
DESCRIPTION

DATE

FOR ALL ABBREVIATIONS, SYMBOL LEGENDS,
AND GENERAL NOTES SEE SHEET R0.01

KEY PLAN

0 15' 30' 60'
SCALE: 1" = 30'-0"
TRUE



BISCOGLIO FIELD
RENOVATION
BERLIN
HIGH SCHOOL

139 PATTERSON WAY
BERLIN, CT 06037

PROJECT NO.: 22024.00
DRAWN BY: KM

EXISTING
CONDITIONS
PLAN

DRAWING NO.:
L0.00

2023 © COPYRIGHT KAESTLE BOOS ASSOC., INC.



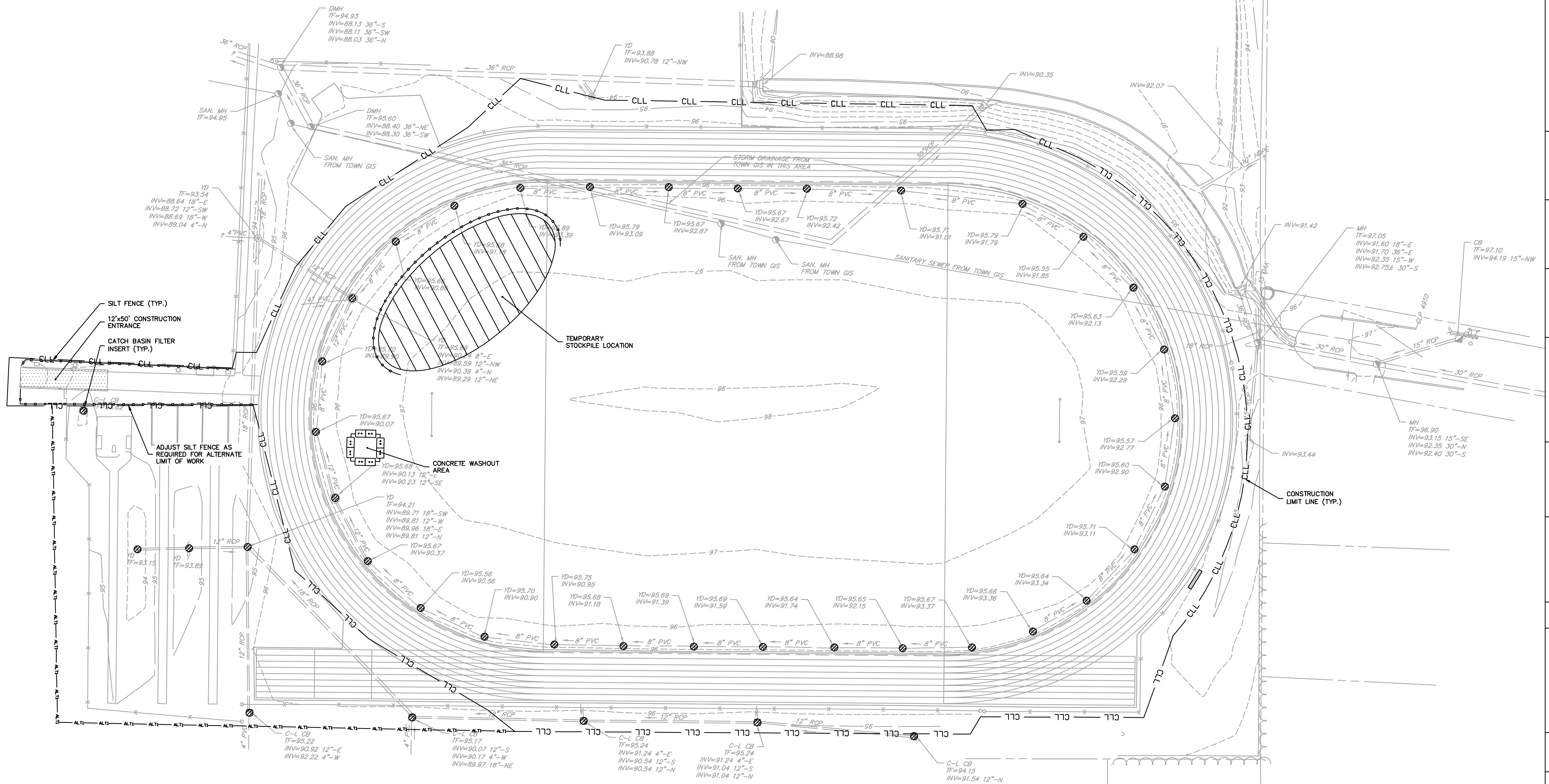
BISCOGLIO FIELD
RENOVATION
BERLIN
HIGH SCHOOL
139 PATTERSON WAY
BERLIN, CT 06037

PROJECT NO.: 22024.00 DRAWN BY: BSC

EROSION &
SEDIMENTATION
CONTROL PLAN

DRAWING NO.:

C1.0



NOTES:

- THIS PLAN IS FOR EROSION AND SEDIMENTATION (E&S) CONTROL ONLY. SEE OTHER PLANS FOR THE SCOPE OF CONSTRUCTION WORK.
- DO NOT PROCEED WITH THE WORK UNTIL ALL E&S CONTROL MEASURES ARE IN-PLACE AND HAVE BEEN INSPECTED AND APPROVED BY THE ENGINEER.
- THE MEASURES SPECIFIED HEREON ARE THE MINIMUM REQUIREMENTS FOR E&S CONTROL AND ARE SHOWN IN GENERAL SIZE AND LOCATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL E&S CONTROL MEASURES ARE CONFIGURED AND CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION OF SOILS AND PREVENT THE TRANSPORT OF SEDIMENTS AND OTHER POLLUTANTS TO ANY RESOURCE AREAS. PROVIDE ADDITIONAL E&S MEASURES AS REQUIRED TO CONTROL EROSION AND SILTATION THROUGHOUT THE DURATION OF THE CONSTRUCTION AS CONDITIONS DICTATE AND/OR AS DIRECTED BY THE OWNER OR THE ENGINEER.
- MONITOR AND INSPECT ALL E&S MEASURES IN AN ONGOING MANNER THROUGHOUT THE WORK AND TAKE CORRECTIVE MEASURES, AS REQUIRED, TO MINIMIZE EROSION OF SOILS AND PREVENT THE TRANSPORT OF SEDIMENTS AND OTHER POLLUTANTS TO ANY RESOURCE AREAS.
- ANY EROSION AND SEDIMENTATION MEASURE IMPLEMENTED BEYOND THAT SHOWN HEREON SHALL CONFORM TO APPLICABLE SECTIONS OF THE STATE OF CONNECTICUT'S 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
- ANY STOCKPILED MATERIAL SHALL BE SUBJECT TO EROSION CONTROL MEASURES THAT INCLUDE A MINIMUM OF SILT FENCE OR HAY BALE BARRIER COVER STOCKPILES IF SIGNIFICANT RAINFALL IS PREDICTED.
- PROVIDE TEMPORARY SEEDING WITH MULCH ON ALL EXPOSED SOIL AREAS WHERE WORK WILL BE SUSPENDED FOR LONGER THAN 30 DAYS. APPLY SEED AND MULCH WITHIN THE FIRST 7 DAYS OF SUSPENDING WORK. WHEN SEEDING IS NOT POSSIBLE DUE TO SEASONAL WEATHER CONDITIONS OR OTHER FACTORS, PROVIDE TEMPORARY STRUCTURAL SOIL PROTECTION SUCH AS MULCH, WOODCHIPS, EROSION CONTROL MATTING, OR COMPOST.
- ALL TEMPORARY SLOPES IN EXCESS OF 3 (HORIZONTAL) TO 1 (VERTICAL) SHALL BE STABILIZED WITH EROSION CONTROL MATTING OR APPROVED EQUIVALENT.
- NO RUNOFF SHALL BE ALLOWED TO ENTER ANY STORMWATER SYSTEM OR EXIT THE SITE PRIOR TO TREATMENT FOR SEDIMENT REMOVAL.
- THE CONTRACTOR SHALL MAINTAIN A CLEAN CONSTRUCTION SITE AND SHALL NOT ALLOW THE ACCUMULATION OF RUBBISH OR CONSTRUCTION DEBRIS. ALL TRASH SHALL BE CLEANED ON A DAILY BASIS AND THE SITE SHALL BE LEFT IN A NEAT CONDITION AT THE END OF EACH WORK DAY.
- TAKE ALL NECESSARY PRECAUTIONS TO AVOID THE SPILLAGE OF FUEL OR OTHER POLLUTANTS AND ADHERE TO ALL APPLICABLE POLICIES AND REGULATIONS RELATED TO SPILL PREVENTION, CONTROL, AND RESPONSE.
- FOR DUST CONTROL, PERIODICALLY MOISTEN EXPOSED SOIL SURFACES WITH WATER AND MAINTAIN ADEQUATE MOISTURE LEVELS.
- SWEEP ADJACENT ROADWAYS IF MUD OR SOIL IS TRACKED ON TO THEM, OR AS DIRECTED BY THE ENGINEER. SHOULD THE CONSTRUCTION ENTRANCE FAIL TO PREVENT THE TRACKING OF SOILS OR SEDIMENT OFF OF THE PROJECT SITE, A WASHING RACK SHALL BE INSTALLED ALONG WITH APPROPRIATE MEASURES TO COLLECT RESULTING WASTEWATER.
- DRAINAGE STRUCTURE FILTER INSERTS SHALL BE INSTALLED AND CLEANED/CHANGED PER THE MANUFACTURER'S RECOMMENDATIONS. UNITS SHALL BE INSTALLED COMPLETELY AROUND INLETS OF EXISTING AND PROPOSED DRAINAGE STRUCTURES SUCH THAT NO RUNOFF IS ALLOWED TO ENTER DRAINAGE SYSTEMS WITHOUT FILTERING THROUGH THE DEVICE.

TEMPORARY E&S MEASURES MAINTENANCE SCHEDULE

E&S MEASURE	MAINTENANCE MEASURES	SCHEDULE
FILTER INSERTS IN DRAINAGE SYSTEM	CLEAN CATCH BASIN GRATE, REMOVE SEDIMENT/DEBRIS FROM FILTER INSERTS	WEEKLY & WITHIN 24 HOURS AFTER STORM GENERATING A DISCHARGE
HAY BALES/ SILT FENCE BARRIER	REPAIR/REPLACE WHEN FAILURE OBSERVED, REMOVE SILT WHEN ACCUMULATION REACHES APPROX. HALF HEIGHT OF BARRIER	WEEKLY & WITHIN 24 HOURS AFTER STORM GENERATING A DISCHARGE
TARP TEMPORARY STOCKPILES	ENSURE TARP IS SECURED OVER STOCKPILE AT THE END OF EACH DAY	DAILY
CONSTRUCTION ENTRANCE	SWEEP PAVED ROADWAY ADJACENT TO SITE ENTRANCE AS NECESSARY, REFRESH STONE AS NECESSARY, REMOVE SILTED GRAVEL	WEEKLY
MOISTEN EXPOSED SOILS	PERIODICALLY MOISTEN EXPOSED SOIL SURFACES WITH WATER ON UNPAVED TRAVELWAYS AND KEEP TRAVELWAYS DAMP	DAILY

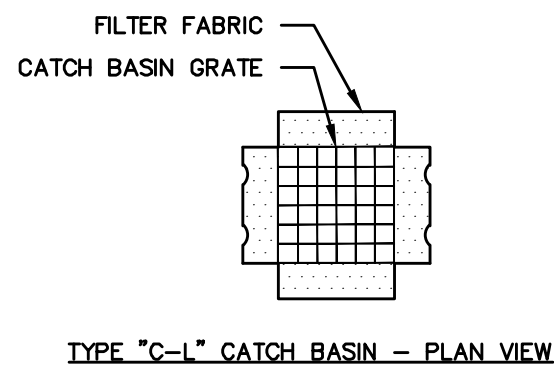
SUGGESTED CONSTRUCTION SEQUENCE:

- CONDUCT A PRE-CONSTRUCTION MEETING WITH THE OWNER AND ENGINEER PRIOR TO ANY CONSTRUCTION ACTIVITY.
- INSTALL CONSTRUCTION ENTRANCE(S) AND PLACE FILTER INSERTS IN EXISTING CATCH BASINS.
- INSTALL PERIMETER E&S CONTROLS AND REQUEST PRE-CONSTRUCTION INSPECTION FROM THE ENGINEER.
- FOLLOWING THE ENGINEER'S APPROVAL OF INSTALLED E&S CONTROLS, COMMENCE CONSTRUCTION OPERATIONS.
- AT THE CONCLUSION OF CONSTRUCTION, COMPLETE THE INSTALLATION OF POST-CONSTRUCTION SITE STABILIZATION MEASURES AS SHOWN ON THE DRAWINGS.

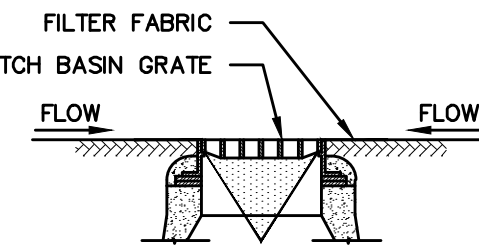
NOTE: THE CONTRACTOR MAY MODIFY THE SUGGESTED CONSTRUCTION SEQUENCE INDICATED ABOVE, PROVIDED A REVISED SEQUENCE IS SUBMITTED FOR REVIEW AND APPROVED BY THE OWNER AND ENGINEER.

LEGEND

- SILT FENCE
- HAY BALES
- CONSTRUCTION ENTRANCE
- AREA DRAIN FILTER INSERT
- CONCRETE WASHOUT AREA



TYPE "C-L" CATCH BASIN - PLAN VIEW



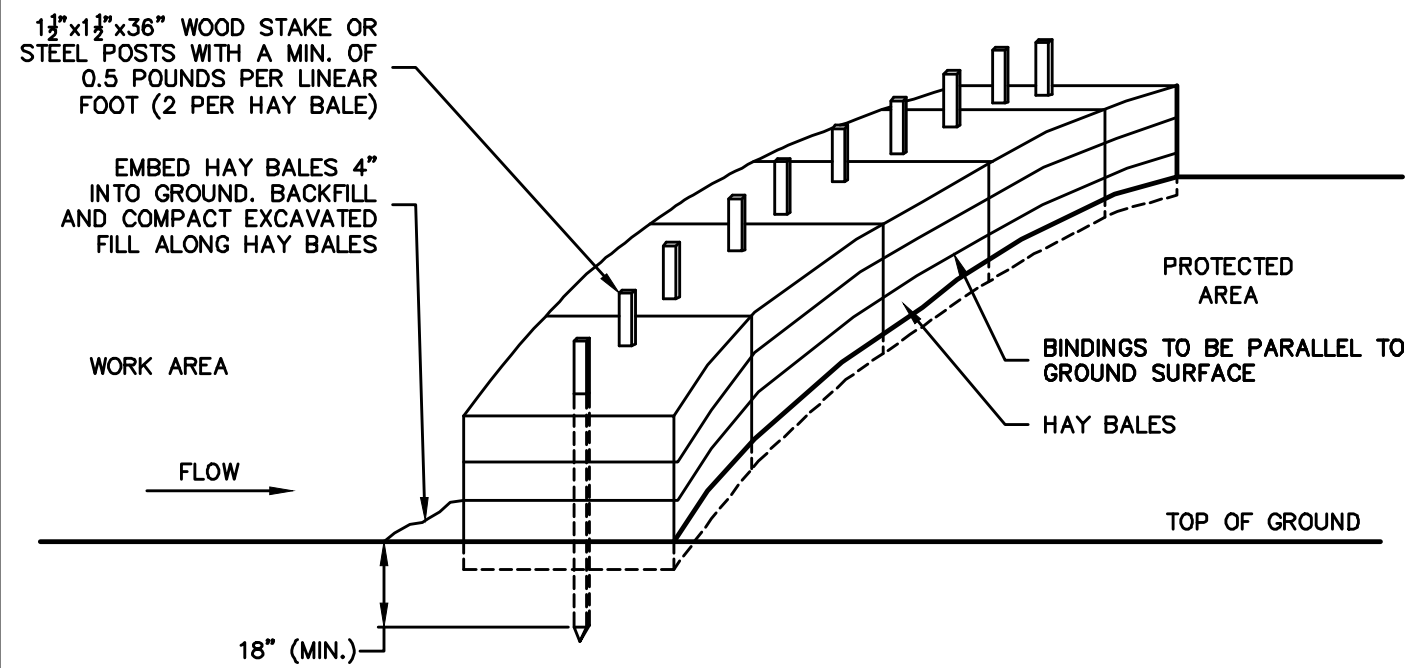
TYPE "C-L" CATCH BASIN - SECTION VIEW

GENERAL NOTES

1. PROVIDE INLET PROTECTION TO ALL EXISTING CATCH BASINS IN THE VICINITY OF CONSTRUCTION. PROTECT NEW CATCH BASINS AS THEY ARE CONSTRUCTED.
2. GRATE TO BE PLACED OVER FILTER FABRIC.

CATCH BASIN FILTER INSERT

SCALE: NONE

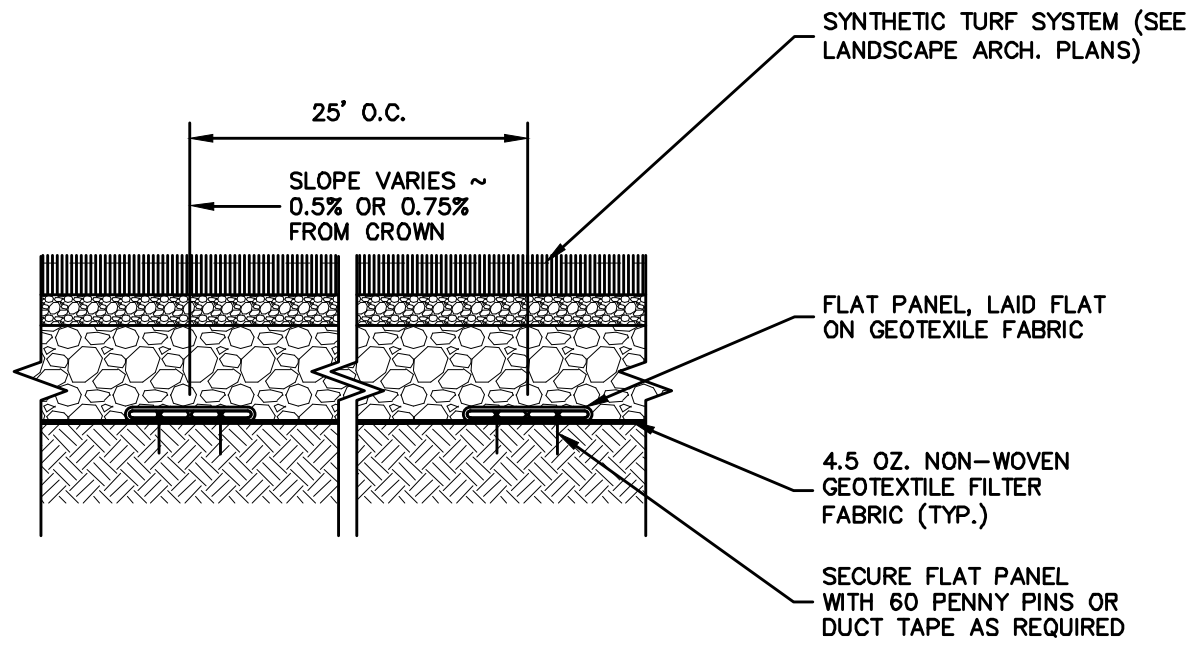


GENERAL NOTES

1. HAY BALES SHALL BE MADE OF HAY OR STRAW WITH 40 POUND MIN. WEIGHT AND 120 POUND MAX. WEIGHT HELD TOGETHER BY TWINE OR WIRE.
2. PLACE HAY BALES ON CONTOUR AND WING THE LAST HAY BALES UP SLOPE SO THAT THE TOP OF THE LAST SEVERAL HAY BALES ARE HIGHER THAN THE LINE OF HAY BALES.
3. DRIVE FIRST STAKE IN EACH BALE TOWARD THE PREVIOUSLY LAID BALE TO FORCE THEM TOGETHER.
4. PUT ONE HAY BALE PERPENDICULAR ALONG HAY BALE BARRIER EACH 100 FEET.

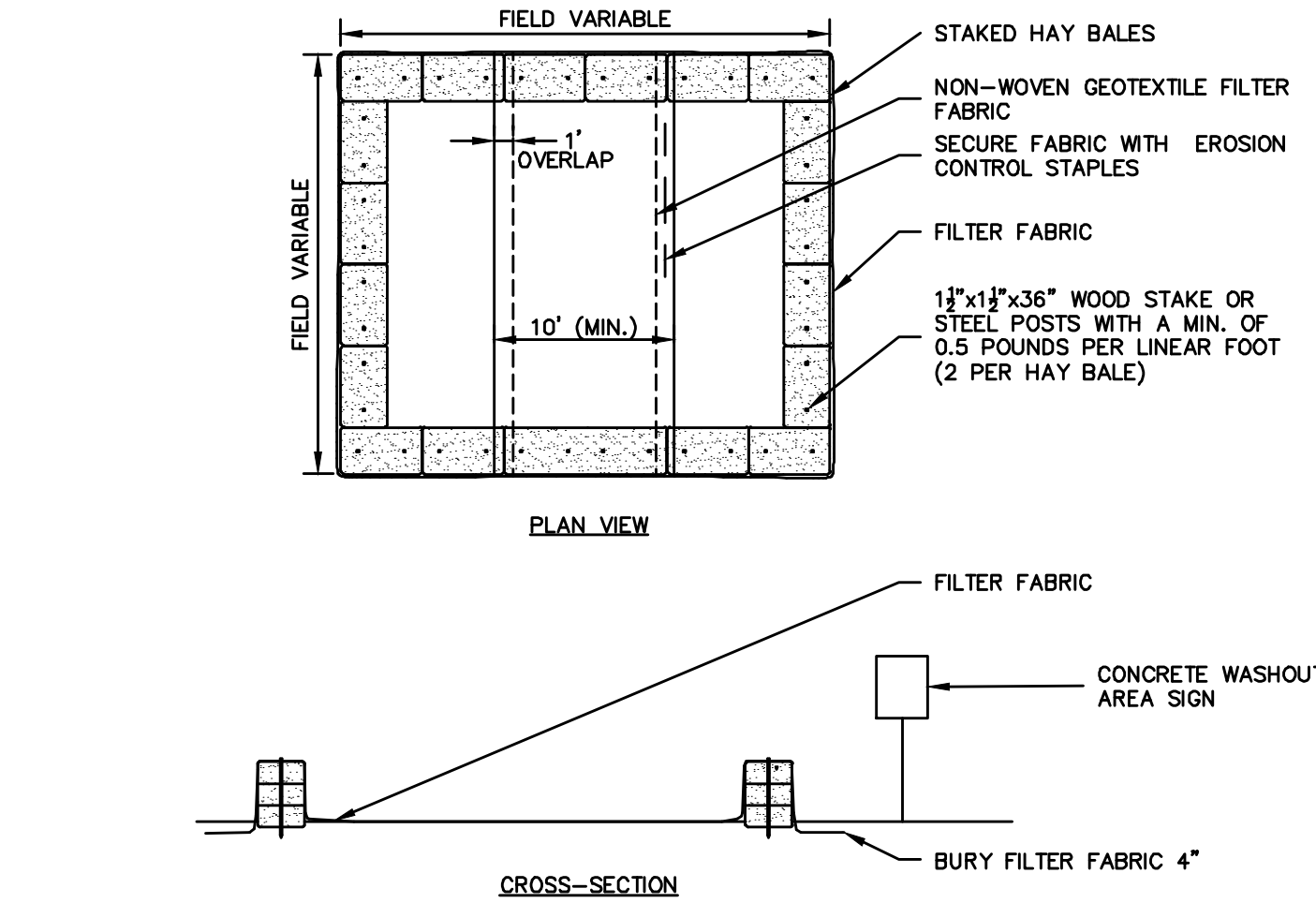
HAY BALE BARRIER

SCALE: NONE
EC-106-C1



FLAT PANEL DRAIN

SCALE: NONE

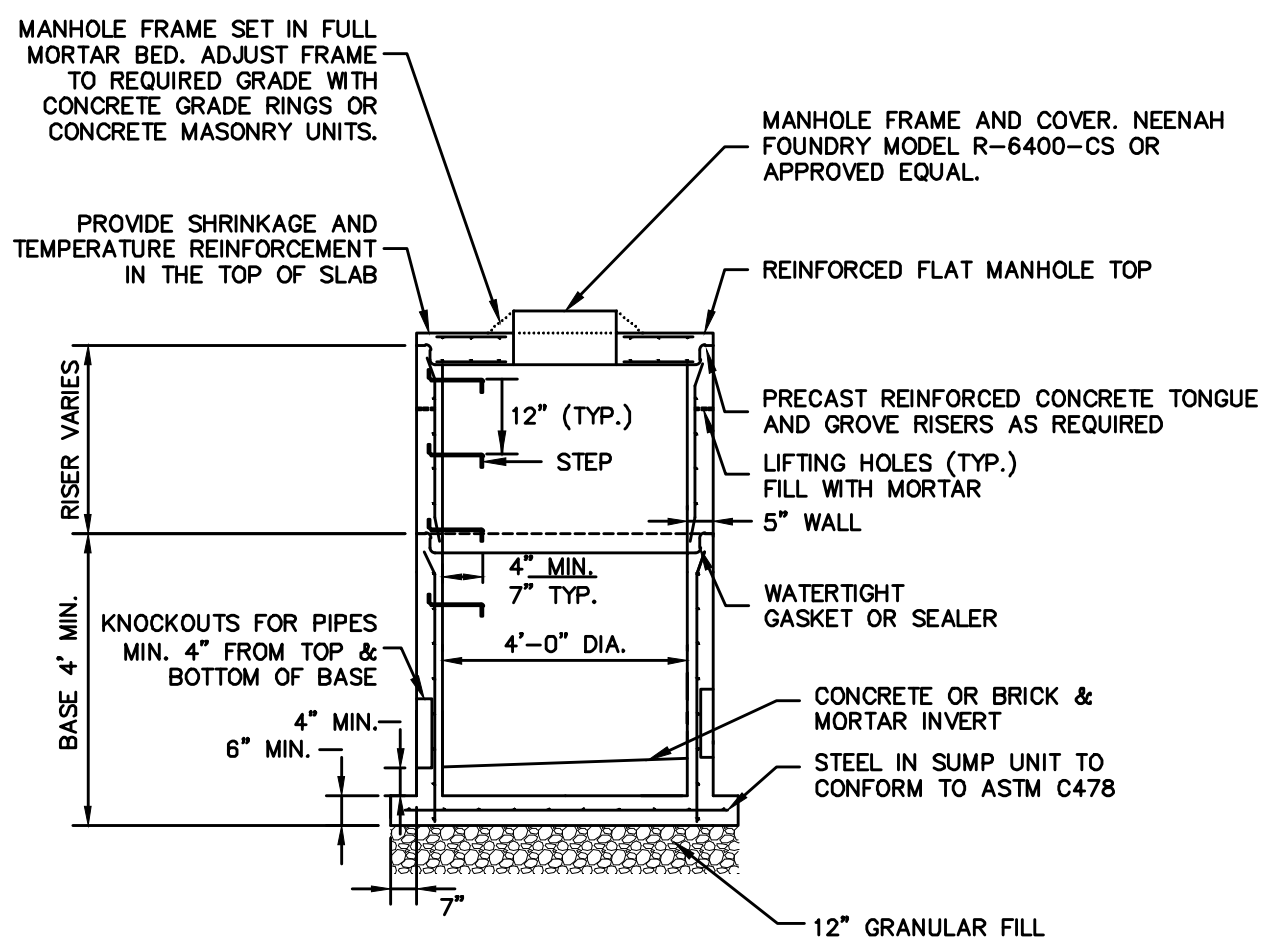


NOTES:

1. CONSTRUCT WASHOUT AREA LARGE ENOUGH TO ENSURE MATERIALS WILL BE CONTAINED WHERE WASTE CONCRETE CAN SOLIDIFY IN PLACE AND EXCESS WATER CAN SAFELY EVAPORATE.
2. WASHOUT AREA SHALL BE LARGE ENOUGH TO RETAIN ALL LIQUID AND WASTE CONCRETE MATERIALS FROM WASHOUT OPERATION.
3. WEEKLY INSPECTIONS OF WASHOUT AREAS SHALL BE CONDUCTED TO ASSESS THE HOLDING CAPACITY AND FUNCTIONALITY OF THE WASHOUT AREA.

TEMPORARY CONCRETE WASHOUT AREA

SCALE: NONE

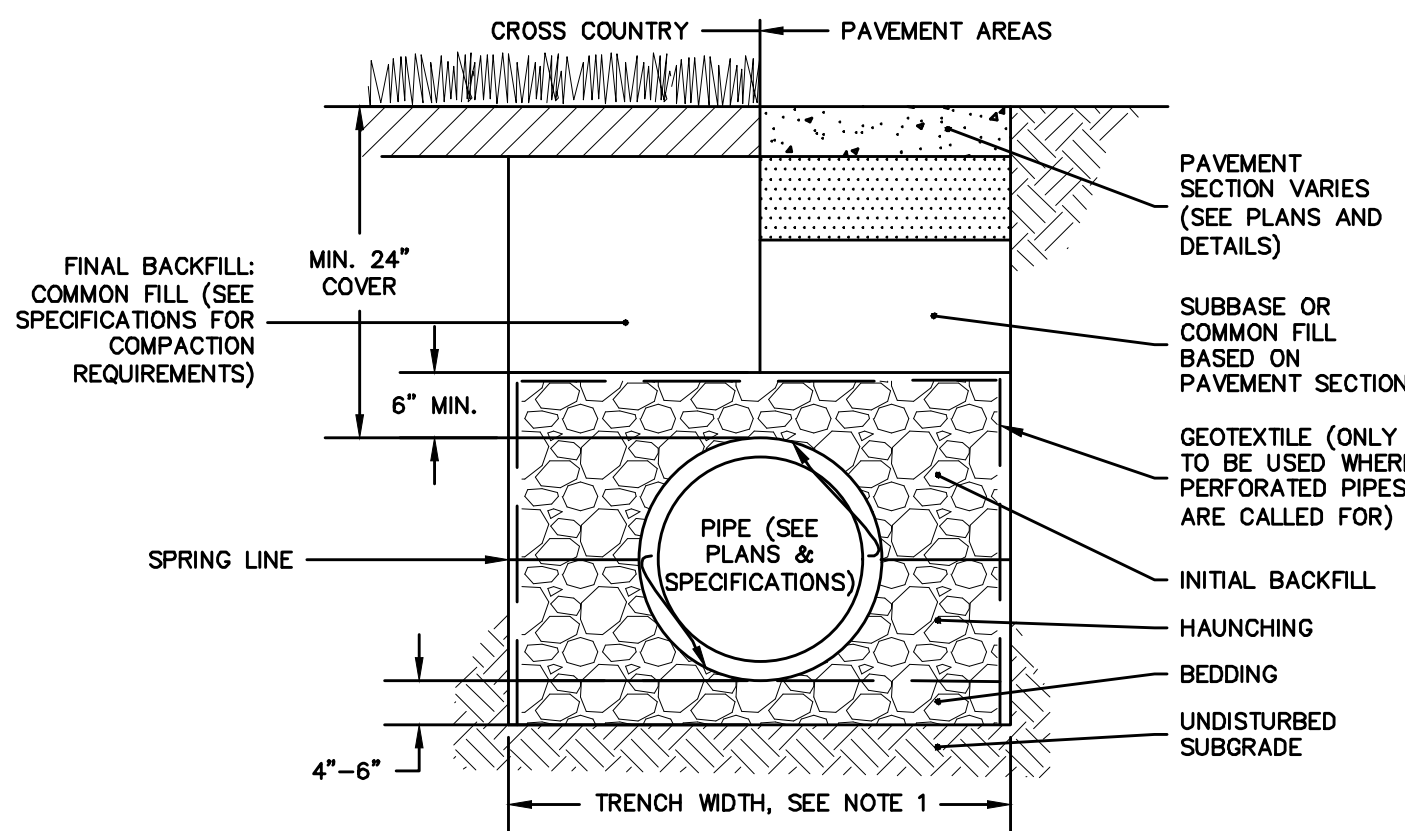


NOTES:

1. MINIMUM CONCRETE COMPRESSIVE STRENGTH OF $F'c = 4000$ PSI SHALL BE OBTAINED PRIOR TO SHIPPING.

STORM DRAINAGE MANHOLE IN-FIELD

SCALE: NONE

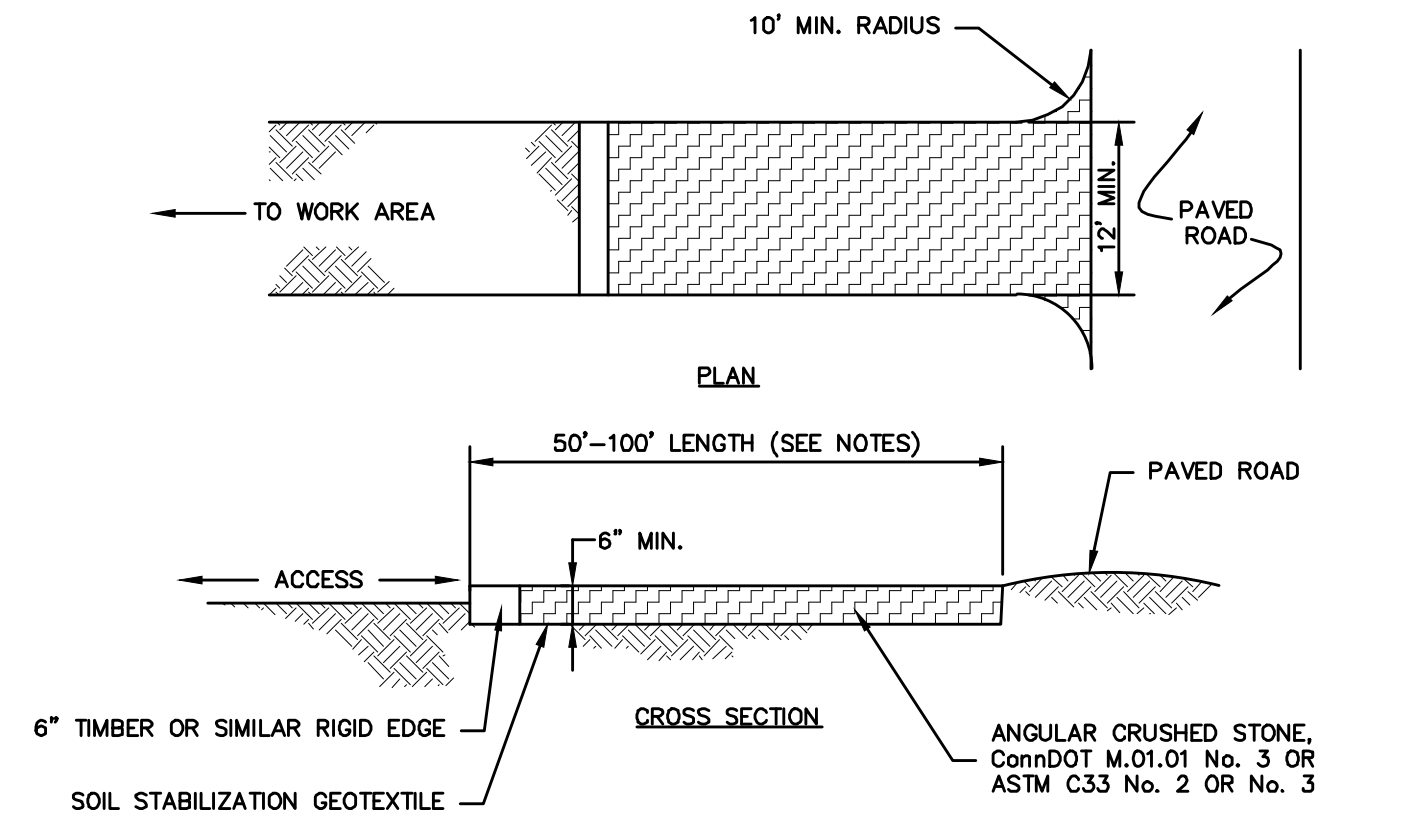


NOTES:

1. WHERE TRENCH WALLS ARE STABLE OR SUPPORTED, PROVIDE A WIDTH SUFFICIENT, BUT NO GREATER THAN NECESSARY, TO ENSURE WORKING ROOM TO PROPERLY PLACE AND COMPACT HAUNCHING AND OTHER EMBEDMENT MATERIALS. UNLESS OTHERWISE SPECIFIED BY THE PIPE MANUFACTURER, THE SPACE BETWEEN THE PIPE AND TRENCH WALL MUST BE WIDER THAN THE COMPACTION EQUIPMENT USED IN THE PIPE ZONE. MINIMUM WIDTH SHALL BE NOT LESS THAN THE GREATER OF EITHER THE PIPE OUTSIDE DIAMETER PLUS 16 INCHES OR THE PIPE OUTSIDE DIAMETER TIMES 1.25, PLUS 12 INCHES.
2. WHERE PERFORATED PIPES ARE CALLED-FOR, BEDDING, HAUNCHING, AND INITIAL BACKFILL SHALL BE CONNDOT NO. 6 CRUSHED STONE SHALL MEET THE REQUIREMENTS OF FORM 816 M.O.B.
3. WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL PER THE SPECIFICATIONS. AS AN ALTERNATIVE, AND AT THE DISCRETION OF THE ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL UNDER SOME CIRCUMSTANCES.
4. BEDDING, HAUNCHING, AND INITIAL BACKFILL SHALL BE CONNDOT NO. 6, NO. 67, OR NO. 8 AGGREGATE OR OTHER MATERIALS MEETING THE REQUIREMENTS OF ASTM D2321 FOR CLASS IA, IB, II, OR III UNLESS OTHERWISE INDICATED BY THE PIPE MANUFACTURER.

TYPICAL TRENCH SECTION - THERMOPLASTIC DRAINAGE PIPE

SCALE: NONE

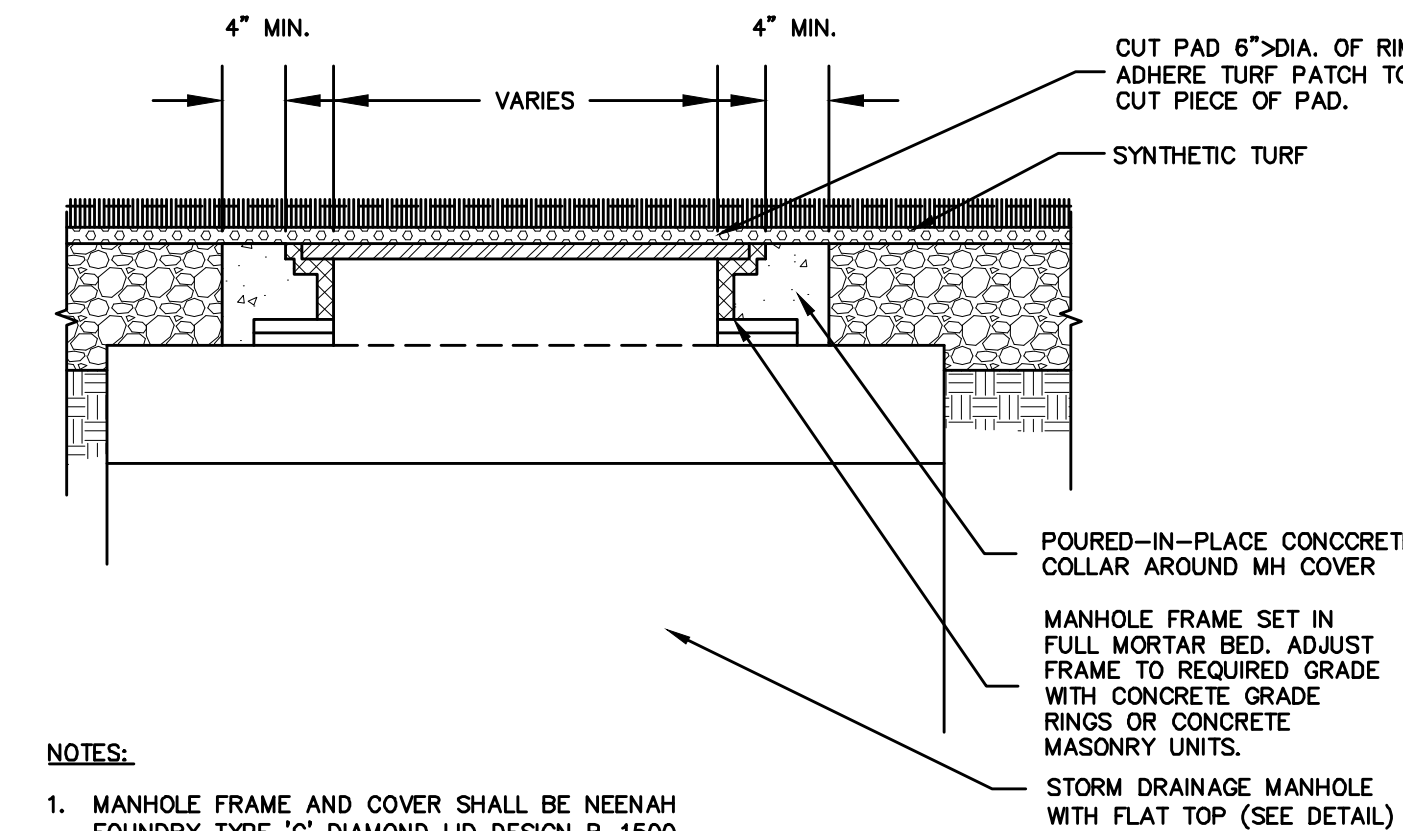


NOTES:

1. REMOVE TOPSOIL AND ORGANICS PRIOR TO CRUSHED STONE PLACEMENT.
2. INSTALL SUB-BASE OF FREE DRAINING BACKFILL OR ROAD STABILIZATION GEOTEXTILE AS NECESSARY ON UNSTABLE SOILS.
3. LENGTH SHALL BE 50 FOOT MINIMUM. WHERE TRACKED SEDIMENTS CONTAIN LESS THAN 80% SAND, LENGTH SHALL BE 100 FOOT MINIMUM.
4. IF THE GRADE OF THE CONSTRUCTION ENTRANCE DRAINS TO THE PAVED SURFACE AND IT EXCEEDS 2% SLOPE, CONSTRUCT ENTRANCE AT LEAST 15 FEET FROM ITS ENTRANCE ONTO THE PAVED SURFACE WHILE DIVERTING RUN-OFF WATER TO A SETTLING OR FILTERING AREA.
5. CONSTRUCT ANY DRAINAGE AND SETTLING FACILITIES REQUIRED TO ACCOMMODATE VEHICLE WASHING OPERATIONS. DIVERT ALL WASH WATER AWAY FROM ENTRANCE TO THE SETTLING AREA.
6. MAINTAIN ENTRANCE IS A CONDITION THAT WILL PREVENT WASHING OF SEDIMENT ONTO PAVED SURFACES.

CONSTRUCTION ENTRANCE

SCALE: NONE
EC-101-C1

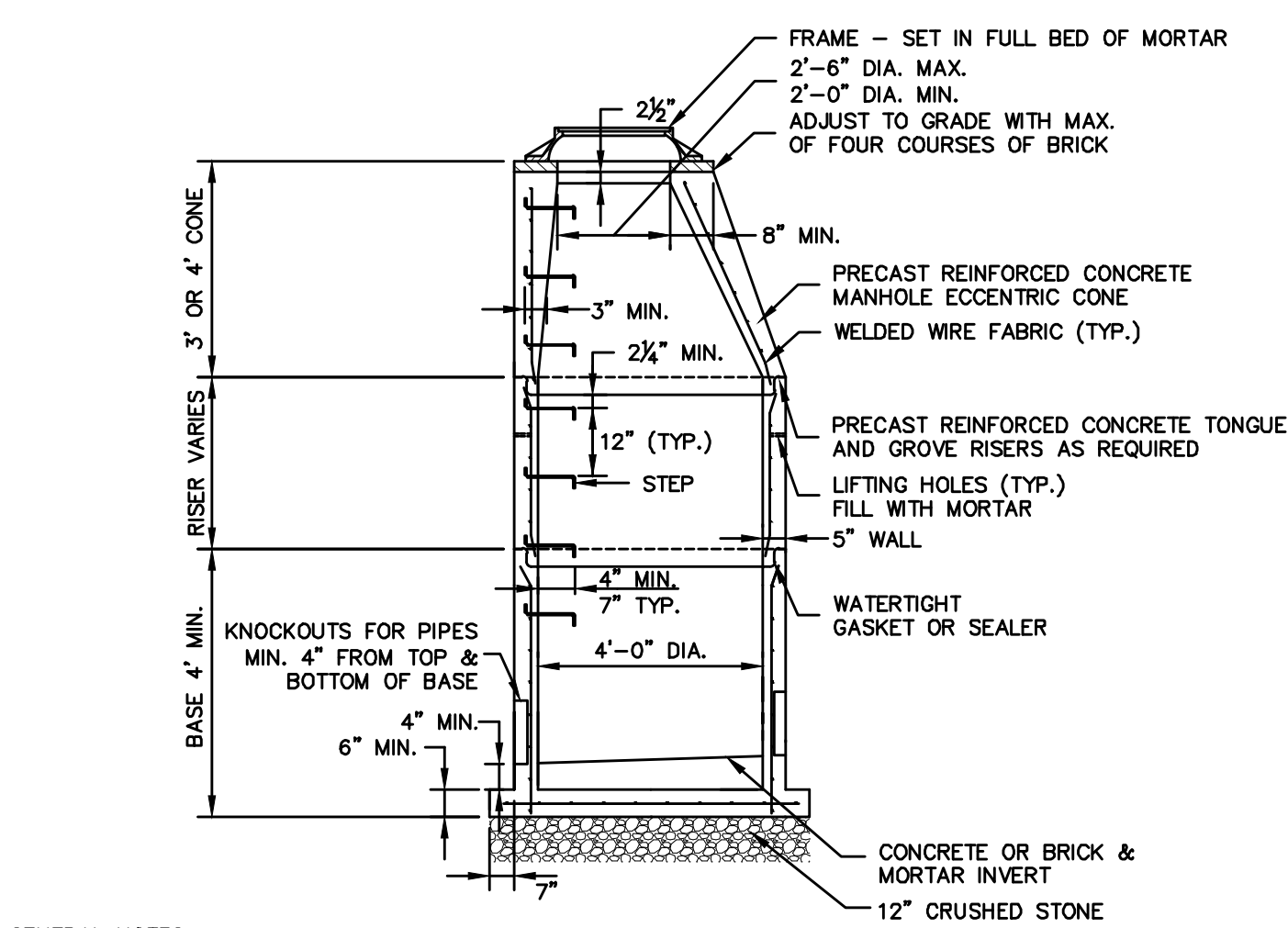


NOTES:

1. MANHOLE FRAME AND COVER SHALL BE NEENAH FOUNDRY TYPE "C" DIAMOND LID DESIGN R-1500 FRAME AND RIM OR ENGINEER APPROVED EQUAL. SIZE TO FIT STRUCTURES.

MANHOLE IN SYNTHETIC TURF

SCALE: NONE

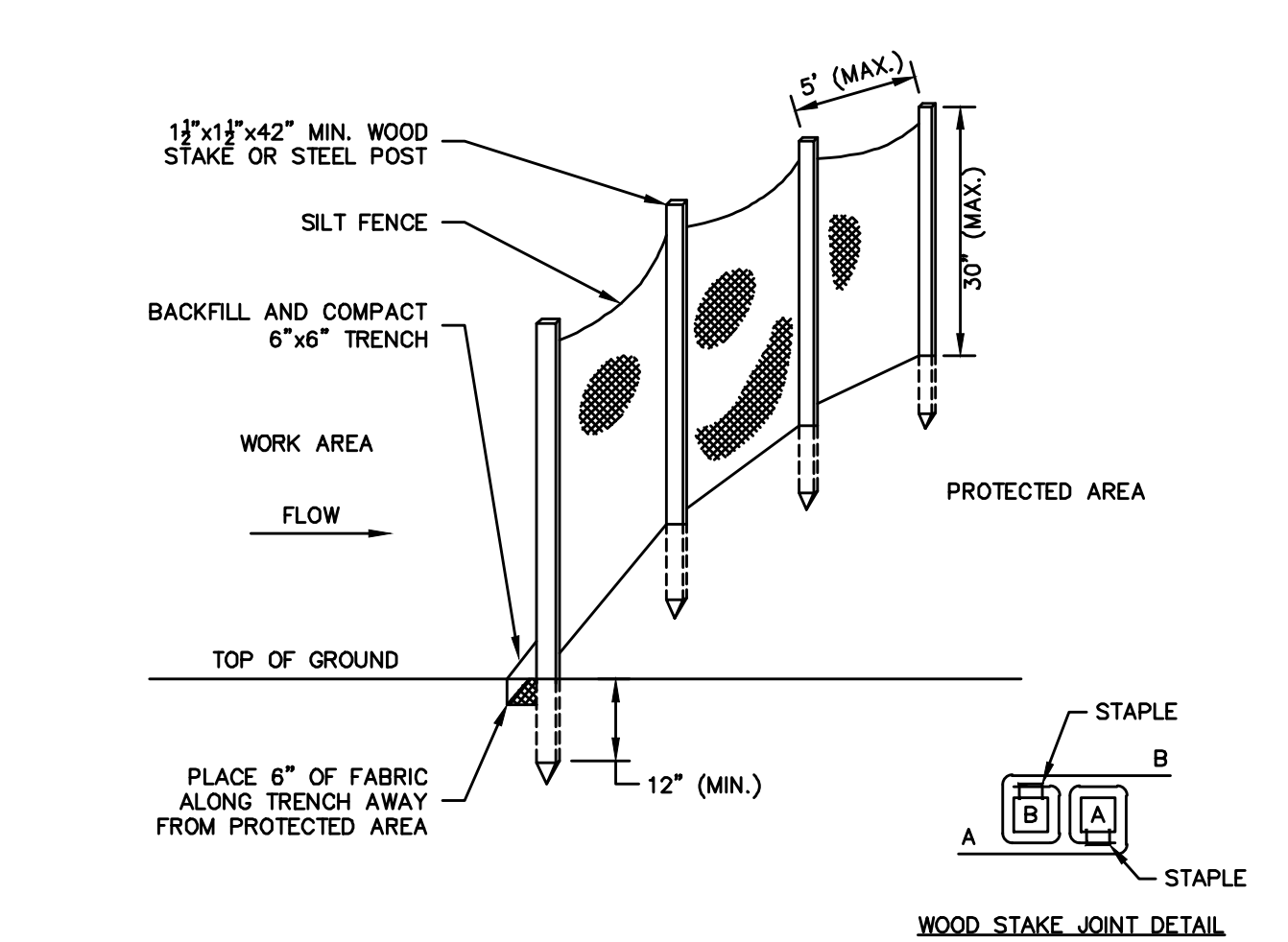


GENERAL NOTES

1. 5' OR 6' DIA. PRECAST BASES MAY BE USED WHEN REQUIRED DUE TO SIZE OR NUMBER OF PIPES AT THE MANHOLE. PRECAST REDUCERS WILL BE PLACED ABOVE THE 5' OR 6' BASES AS DIRECTED BY THE ENGINEER. WALL THICKNESS TO INCREASE 1" FOR EACH 1' OF INSIDE DIAMETER INCREASE.
2. FRAME DIAMETER OF 3'-3" WITH 4" FLANGE MUST BE USED WHEN THE TOP DIA. OF THE PRECAST CONE IS LESS THAN 3'-6". ALL OTHER FRAME DIMENSIONS ARE TO REMAIN THE SAME.
3. MINIMUM CONCRETE COMPRESSIVE STRENGTH OF $F'c = 4000$ PSI SHALL BE OBTAINED PRIOR TO SHIPPING.

STORM DRAINAGE MANHOLE

SCALE: NONE
STM-109-C1

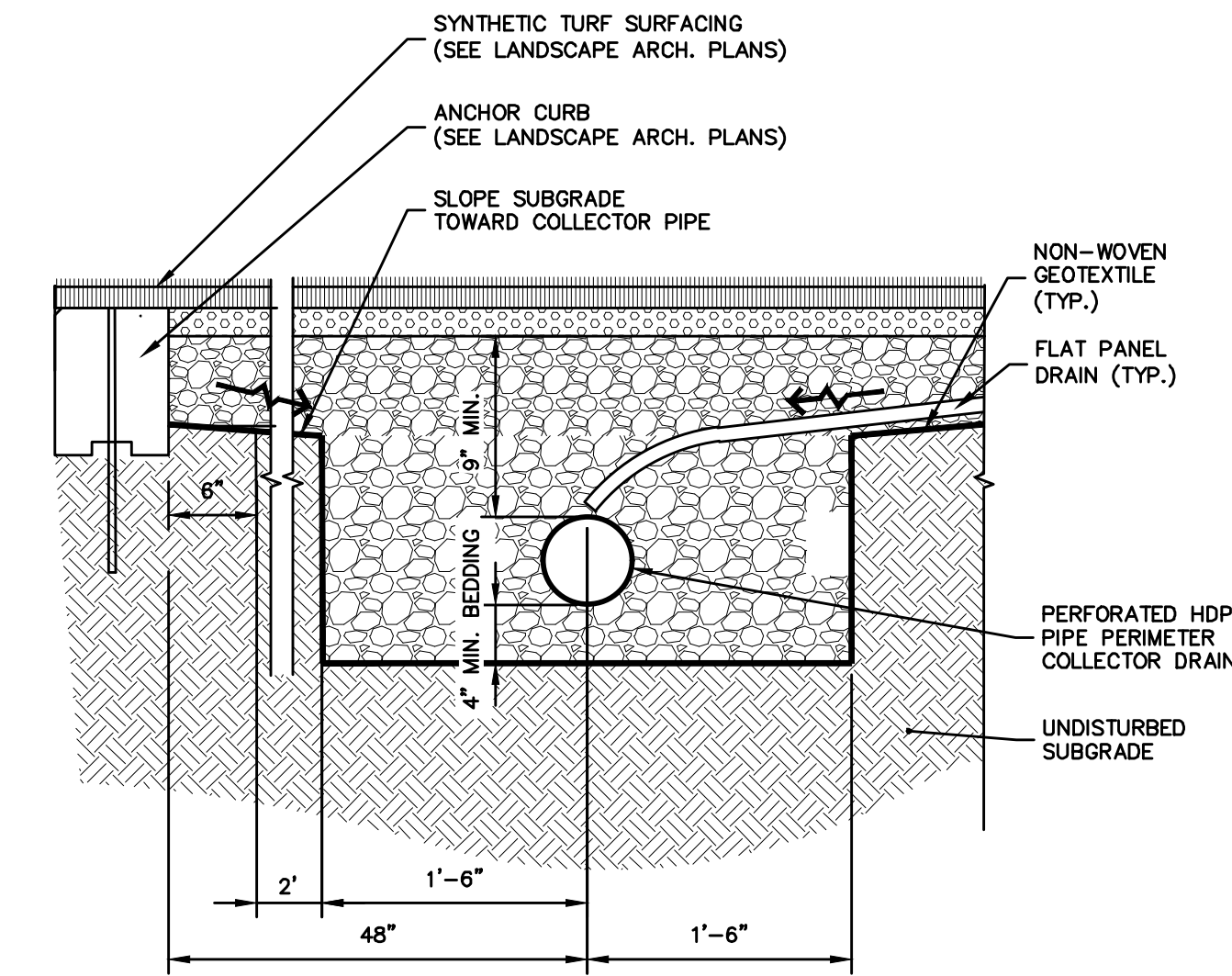


GENERAL NOTES

1. FOR SLOPE & SWALE INSTALLATIONS, EXTEND FENCE OF SLOPE SUCH THAT BOTTOM ENDS OF FENCE WILL BE HIGHER THAN THE TOP OF THE LOWEST PORTION OF FENCE.
2. FOR FENCE INSTALLED ON LEVEL TERRAIN INSTALL WING SECTIONS PERPENDICULAR TO MAIN BARRIER AT 50'-100' INTERVALS.

SILT FENCE BARRIER

SCALE: NONE
EC-107



PERIMETER COLLECTOR DRAIN

SCALE: NONE

KAESTLE BOOS
associates, inc

416 Slater Road, New Britain, CT 06050-2590
Phone: 860-229-0361 ▲ Fax: 860-229-5303
Additional offices located in Massachusetts and Rhode Island
Email: kba@kba-architects.com ▲ Web: www.kba-architects.com

BSC GROUP

655 Winding Brook Drive
Glastonbury, Connecticut 06033
860 652 8227

ISSUE DATE

DATE	DESCRIPTION
FEBRUARY 17, 2023	DRAWINGS ISSUED FOR BID
FEBRUARY 24, 2023	DRAWINGS ISSUED PERMITTING

REVISIONS

DATE	DESCRIPTION
------	-------------

FOR ALL ABBREVIATIONS, SYMBOL LEGENDS,
AND GENERAL NOTES SEE SHEET R0.01

KEY PLAN

0 15 30 60
SCALE: 1" = 30'-0"
TRUE



**BISCOGLIO FIELD
RENOVATION
BERLIN
HIGH SCHOOL**

139 PATTERSON WAY
BERLIN, CT 06037

PROJECT NO.: 22024.00 DRAWN BY: BSC

CIVIL DETAILS

DRAWING NO.:

C3.0

CONSTRUCTION /
PROGRAM MANAGER

CONSULTANTS

PROGRESS PRINT

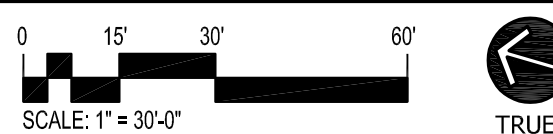
DATE:
NOT FOR CONSTRUCTION

DATE	DESCRIPTION
FEBRUARY 17, 2023	DRAWINGS ISSUED FOR BID

DATE	DESCRIPTION
------	-------------

FOR ALL ABBREVIATIONS, SYMBOL LEGENDS,
AND GENERAL NOTES SEE SHEET R0.01

KEY PLAN



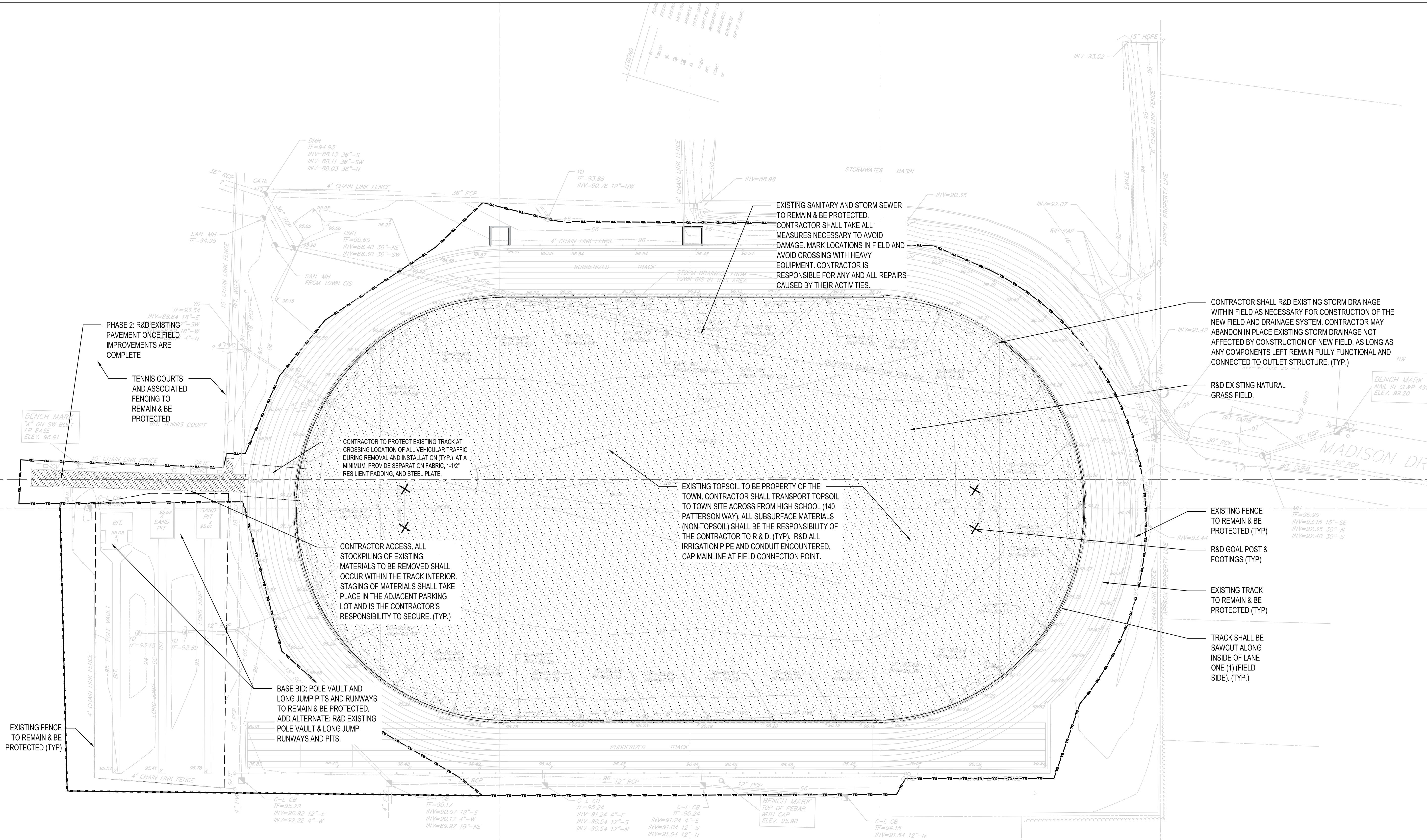
**BISCOGLIO FIELD
RENOVATION
BERLIN
HIGH SCHOOL**
139 PATTERSON WAY
BERLIN, CT 06037

PROJECT NO.: 22204.00 DRAWN BY: KM

**SITE
DEMOLITION
PLAN**

DRAWING NO.:

L1.00



NOTES:

- EXISTING CONDITIONS AND UTILITIES INFORMATION WAS OBTAINED FROM SURVEY FILES ENTITLED "TOPOGRAPHIC SURVEY" DATED 8/25/22 BY THE BONGIOVANNI GROUP.
- CONTRACTOR SHALL NOTIFY "CALL BEFORE YOU DIG (CBYD)" (CALL 811) AND VERIFY UTILITY MARK-OUT WITH THE OWNER PRIOR TO THE INITIATION OF ANY SITE DISTURBANCE.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFICATION OF THE LOCATION AND NATURE OF ALL SUBSURFACE UTILITIES AT THE PROJECT WHICH MAY BE AFFECTED BY THE WORK. SOME UTILITIES MAY NOT BE IDENTIFIED THROUGH THE CBYD SYSTEM. ALL UTILITIES SHALL BE PROTECTED UNLESS OTHERWISE NOTED. COORDINATE WITH PERSPECTIVE UTILITY OWNERS AS NECESSARY.
- THE CONTRACTOR SHALL TAKE GREAT CARE TO PROTECT SITE UTILITIES AND SITE FEATURES THAT ARE TO REMAIN, INCLUDING BUT NOT LIMITED TO: WATER LINES, VALVES, AND HYDRANTS, SANITARY FACILITIES, DRAINAGE FACILITIES TO REMAIN, LIGHT POLES AND ASSOCIATED UNDERGROUND OR ABOVE GROUND WIRING, SIGNS, AND UTILITY POLES, FENCING AND GATES.
- NOTIFY THE LANDSCAPE ARCHITECT OF ANY AND ALL DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.

- THROUGHOUT THE WORK, THE CONTRACTOR SHALL PROVIDE FENCING, BARRIERS, SIGNAGE AND OTHER SAFETY DEVICES AS REQUIRED TO PREVENT UNAUTHORIZED ENTRY TO CONSTRUCTION AREAS, COMPLY AT ALL TIMES WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, ADAPT FENCING, BARRIERS SIGNAGE AND OTHER SAFETY DEVICES TO EVOLVING SITE CONDITIONS THROUGHOUT THE PROGRESS OF THE WORK.
- THE LOCATIONS OF EXISTING SITE FEATURES AS SHOWN MUST BE CONSIDERED APPROXIMATE AS TO THE LOCATION, SIZE, AND AS-BUILT CONDITION AND ARE PROVIDED FOR INFORMATION PURPOSES ONLY. CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL FIELD CONDITION.
- THE PROVISIONS OF WORK SAFETY AND/OR HEALTH PROTOCOLS THAT ADDRESS COMPLIANCE WITH RULES, LAWS, AND REGULATIONS PERTAINING TO CONSTRUCTION SAFETY AND/OR RISK OF EXPOSURE TO SITE-SPECIFIC PHYSICAL OR CHEMICAL HAZARDS IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
- STOCKPILES OF TURF REMOVAL SHALL OCCUR WITHIN SHOWN LIMITS OF WORK, HAULING AND TRUCKING OPERATIONS SHALL BE COORDINATED TO LIMIT DISTURBANCE OF EXISTING HIGH SCHOOL PROGRAMS.
- CONTRACTOR IS RESPONSIBLE FOR SAFETY AND SECURITY OF MATERIALS STORED ON-SITE.

LEGEND

- | | |
|---------------------------|---|
| —●—●—●— | CONTRACT LIMIT LINE |
| - - - - - | SAWCUT |
| X | R&D EXISTING FEATURE |
| [Pattern: Dotted] | NATURAL GRASS FIELD TO BE REMOVED
BASE BID |
| [Pattern: Diagonal Lines] | PAVEMENT TO BE REMOVED |
| R&D | REMOVE AND DISPOSE OF |

CONSTRUCTION /
PROGRAM MANAGER

CONSULTANTS

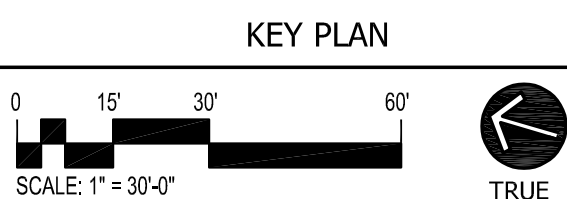
PROGRESS PRINT

DATE:
NOT FOR CONSTRUCTION

ISSUE DATE	
DATE	DESCRIPTION
FEBRUARY 17, 2023	DRAWINGS ISSUED FOR BID

REVISIONS	
DATE	DESCRIPTION

FOR ALL ABBREVIATIONS, SYMBOL LEGENDS,
AND GENERAL NOTES SEE SHEET R0.01



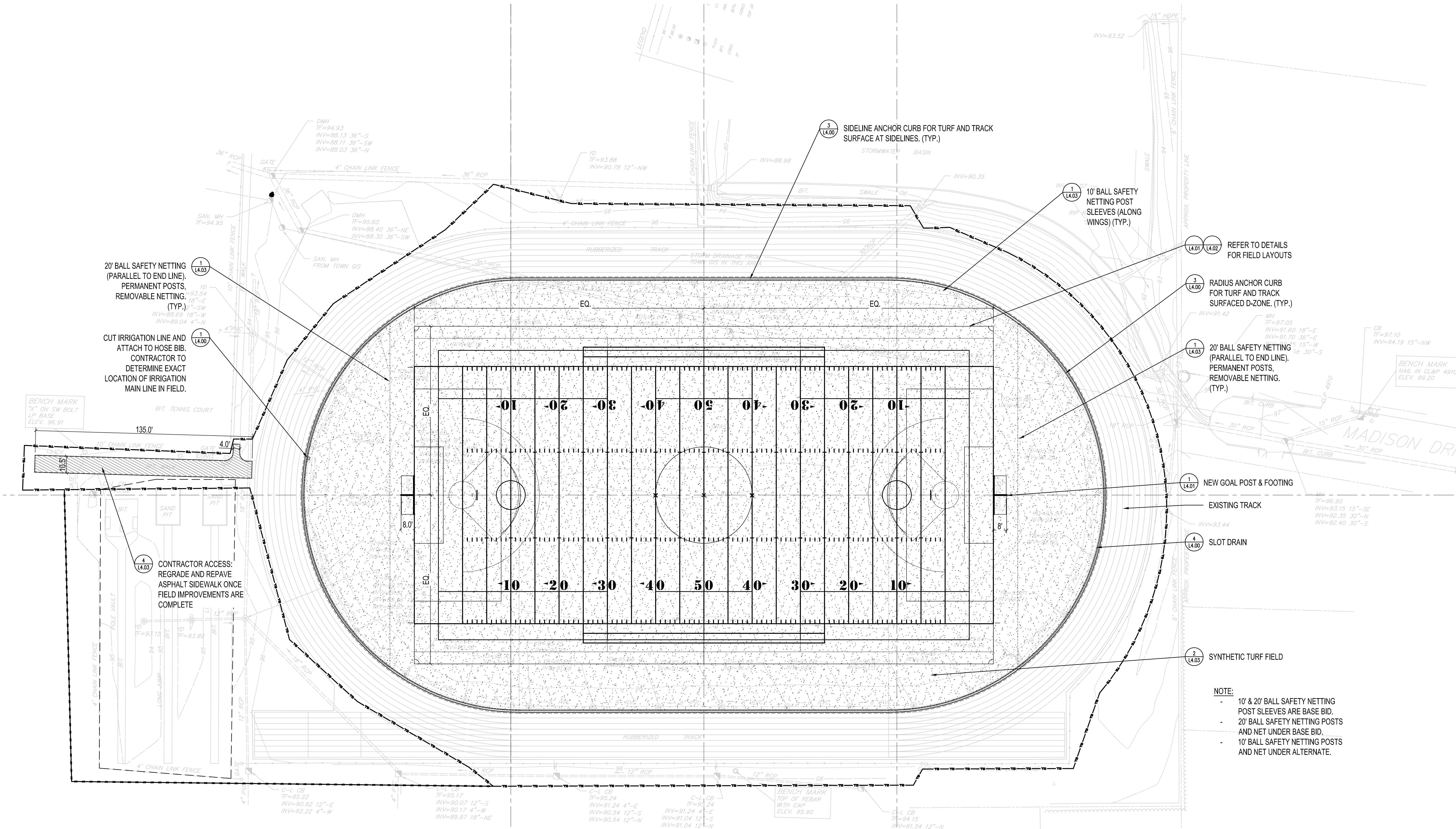
BISCOGLIO FIELD
RENOVATION
BERLIN
HIGH SCHOOL
139 PATTERSON WAY
BERLIN, CT 06037

PROJECT NO.: 22024.00 DRAWN BY: KM

SITE LAYOUT
& MATERIALS
PLAN- BASE
BID

DRAWING NO.:

L2.00



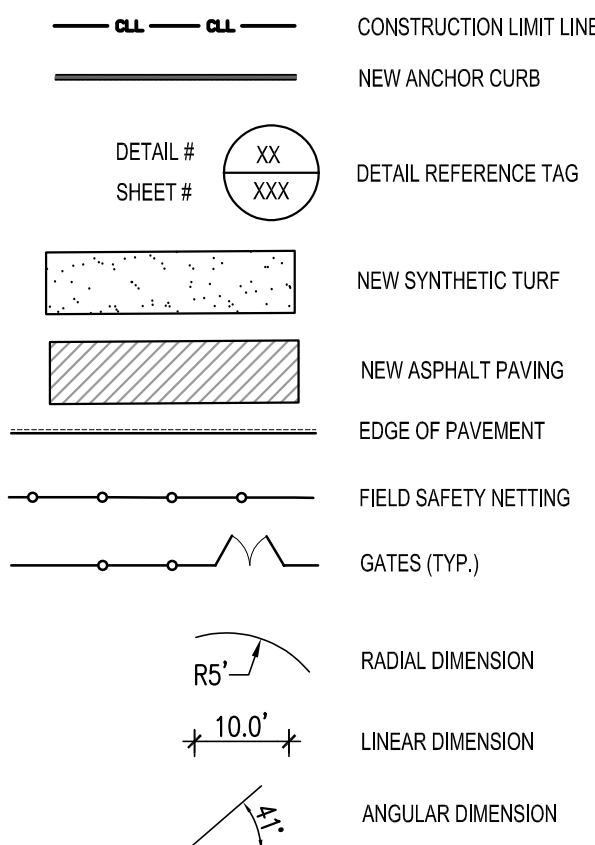
ALTERNATES

- ADD: 10 YEAR BI-ANNUAL MAINTENANCE CONTRACT
- ADD: FILED PRACTICE LIGHTING
- ADD: SOLAR POWERED SCOREBOARD
- ADD: HARDWIRED SCOREBOARD AND FIELD UTILITY BOX
- 10' BALL SAFETY NETTING AND POSTS
- ADD: FIELD LOGO
- TRACK EVENT RELOCATION TO 'D-ZONE'

NOTES

- REFER TO PROJECT SPECIFICATIONS, CIVIL AND MEP DRAWINGS FOR ADDITIONAL SITE MATERIALS INFORMATION.
- WHERE PROPOSED PAVEMENT MEETS EXISTING PAVEMENT TO REMAIN, EXISTING PAVEMENT SHALL BE SAW CUT IN A CLEAN STRAIGHT EDGE. NEW PAVEMENT SHALL MEET THE LINE AND GRADE OF ADJACENT, EXISTING PAVEMENT TO REMAIN UNLESS OTHERWISE INDICATED.
- ALL LAWN AREAS DISTURBED BY CONSTRUCTION ACTIVITIES, NOT COVERED BY PAVEMENT OR IMPROVEMENTS SHALL BE TOPSOILED AND SEEDED AS LAWN.
- ALL GATE HARDWARE SHALL BE ACCESSIBLE TO THE HANDICAPPED IN COMPLIANCE WITH THE MOST CURRENT AMERICANS WITH DISABILITIES ACT GUIDELINES, AS AMENDED.
- EXISTING UTILITY SERVICES TO REMAIN. CONTRACTOR SHALL EXERCISE ALL MEASURES NECESSARY TO MAINTAIN MARKINGS ON THE GROUND SURFACE AND PREVENT DAMAGE FROM ADJACENT PROPOSED CONSTRUCTION.
- ALL CONCRETE WALLS, PADS AND WALKS SHALL BE PROVIDED WITH CONSTRUCTION AND EXPANSION JOINTS. EXPANSION JOINTS SHALL BE PROVIDED AT 25' O.C. MAXIMUM CONSTRUCTION JOINTS SHALL BE PROVIDED AT 10' O.C. MAXIMUM, UNLESS OTHERWISE SHOWN. COORDINATE WITH ARCHITECT FOR LOCATIONS.
- CONCRETE WALKS AND PADS SHALL BE BROOM SWEEP FINISH UNLESS OTHERWISE NOTED
- CONTRACTOR IS RESPONSIBLE TO VERIFY ALL EXISTING CONDITIONS LAYOUT INFORMATION. BRING ANY DISCREPANCIES TO THE ARCHITECT'S ATTENTION FOR REVIEW AND CLARIFICATION
- DO NOT SCALE DRAWINGS. USE DIMENSIONS GIVEN. ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD PRIOR TO THE START OF WORK AND THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE SAME.
- ALL DIMENSIONS ARE 90° AND TO THE NEAREST FOOT UNLESS OTHERWISE NOTED. ALL RADII ARE 5 FEET UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE TO THE FACE OF CURB, FACE OF BUILDING, EDGE OF PAVEMENT, CENTERLINE OF FENCE OR THE BOTTOM FACE OF WALL UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL ENGAGE A SURVEYOR LICENSED IN THE STATE OF PROJECT TO PERFORM LAYOUT AND SURVEYING SERVICES INCLUDING, BUT NOT LIMITED TO VERIFICATION AND LAYOUT OF BASELINES, PROPOSED IMPROVEMENTS, DIMENSIONS AND ELEVATIONS. REPORT ALL DISCREPANCIES TO THE ARCHITECT.
- CONTRACTOR SHALL COORDINATE LAYOUT OF ALL SITE IMPROVEMENTS WITH THEIR UTILITY LOCATING CO. & SURVEYOR TO AVOID CONFLICT WITH EXISTING UTILITIES. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES & FIELD ADJUST LAYOUT AS NECESSARY AT NO ADDITIONAL EXPENSE TO THE CONTRACT.
- CONTRACTOR SHALL LOCATE TRACK RADIUS MONUMENTS IN FIELD TO LAYOUT TRACK CENTERLINES AND/OR ESTABLISH CENTERLINES AND BENCHMARKS IN FIELD FOR REVIEW BY THE LANDSCAPE ARCHITECT. ALL DIMENSIONS SHALL BE OFF OF TRACK CENTERLINES UNLESS OTHERWISE NOTED.

LEGEND



CONSTRUCTION /
PROGRAM MANAGER

CONSULTANTS

PROGRESS PRINT

DATE:
NOT FOR CONSTRUCTION

ISSUE DATE
DATE DESCRIPTION
FEBRUARY 17, 2023 DRAWINGS ISSUED FOR BID

REVISIONS
DATE DESCRIPTION

FOR ALL ABBREVIATIONS, SYMBOL LEGENDS,
AND GENERAL NOTES SEE SHEET R0.01

KEY PLAN

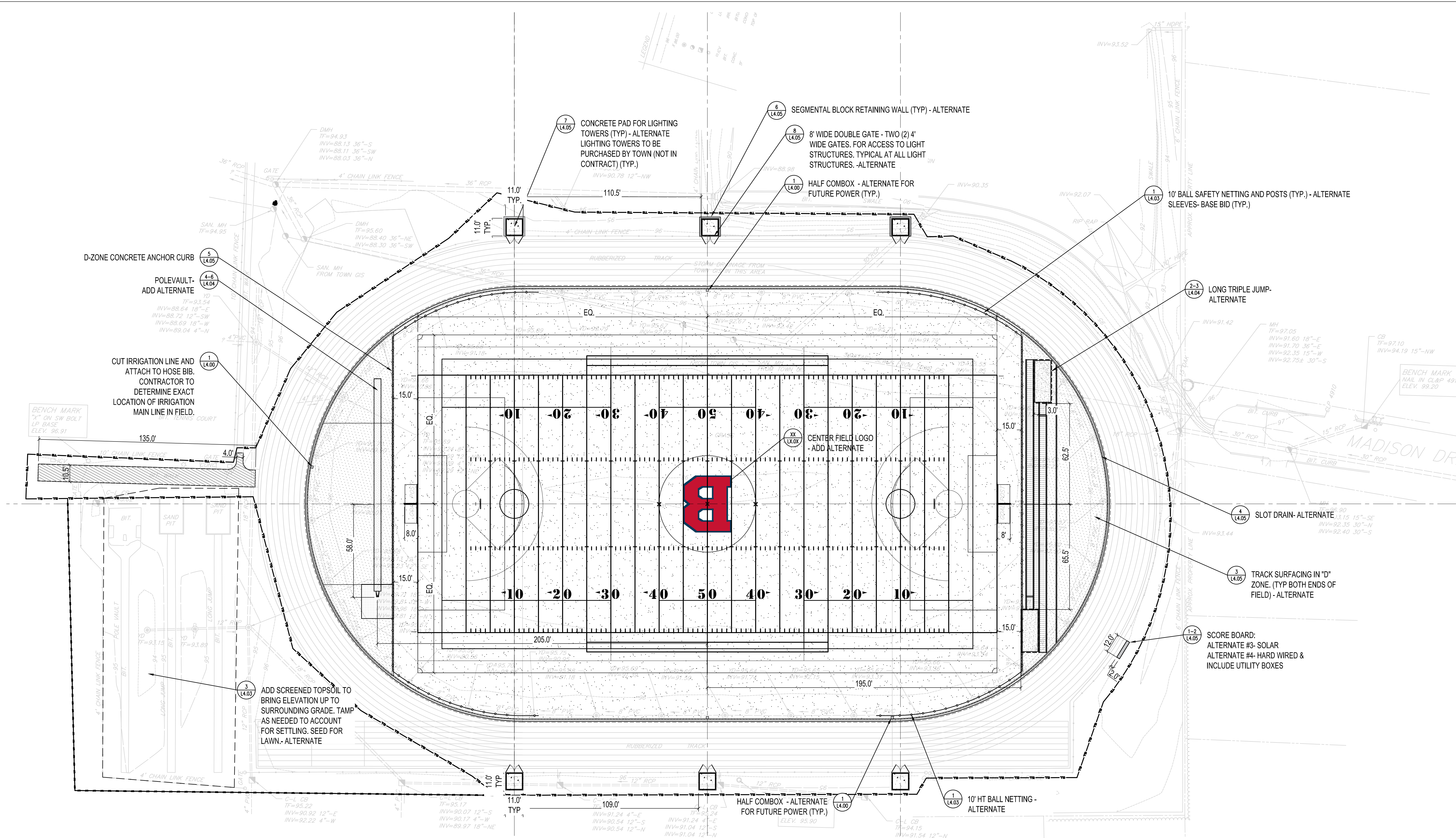


BISCOGLIO FIELD
RENOVATION
BERLIN
HIGH SCHOOL
139 PATTERSON WAY
BERLIN, CT 06037

PROJECT NO.: 22024.00 DRAWN BY: KM

SITE LAYOUT &
MATERIALS
PLAN
-ALTERNATES
DRAWING NO.:

L2.01



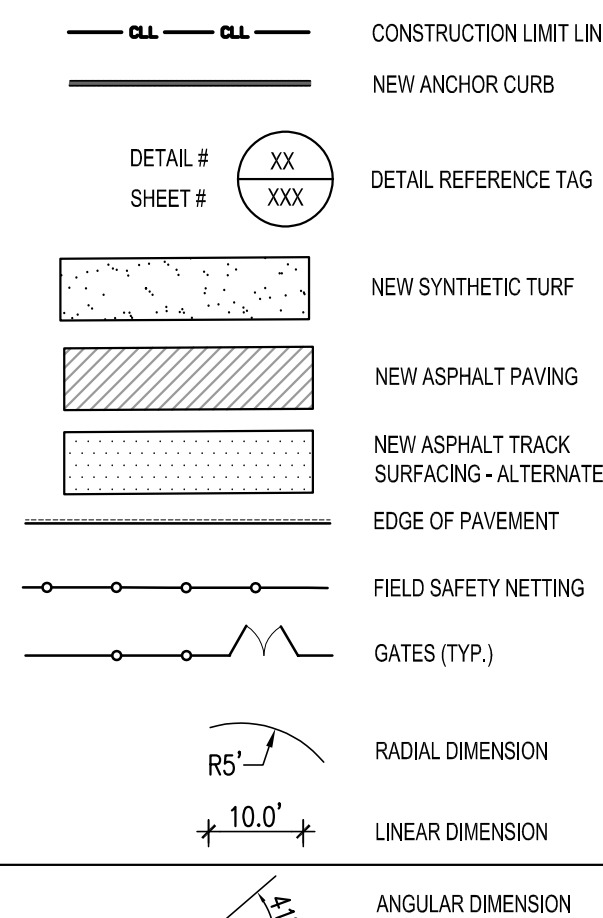
ALTERNATES

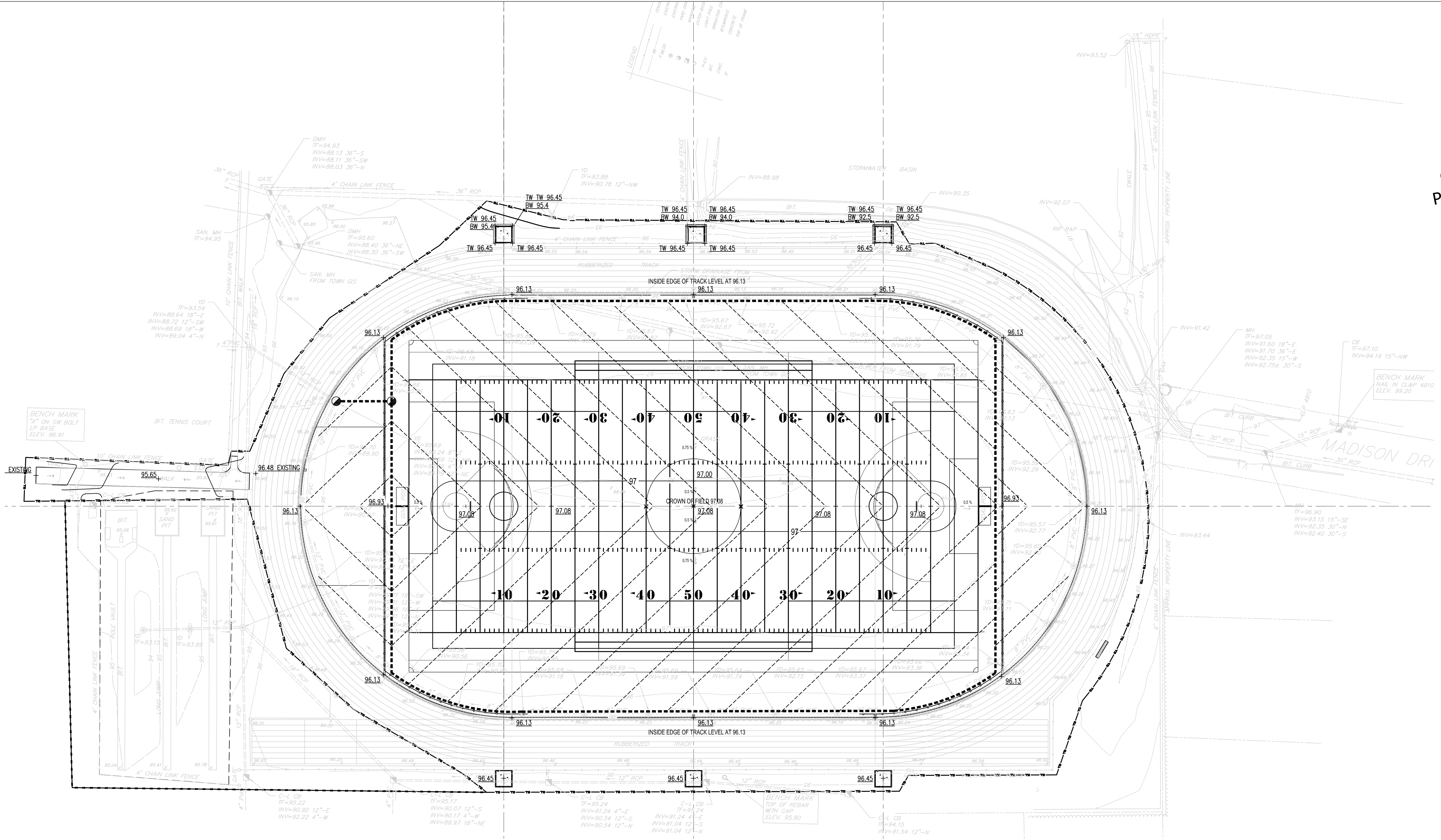
- ADD: 10 YEAR BI-ANNUAL MAINTENANCE CONTRACT
- ADD: FILED PRACTICE LIGHTING
- ADD: SOLAR POWERED SCOREBOARD
- ADD: HARDWIRED SCOREBOARD AND FIELD UTILITY BOX
- 10' BALL SAFETY NETTING AND POSTS
- ADD: FIELD LOGO
- TRACK EVENT RELOCATION TO "D-ZONE"

NOTES

- REFER TO PROJECT SPECIFICATIONS, CIVIL AND MEP DRAWINGS FOR ADDITIONAL SITE MATERIALS INFORMATION.
- WHERE PROPOSED PAVEMENT MEETS EXISTING PAVEMENT TO REMAIN, EXISTING PAVEMENT SHALL BE SAW CUT IN A CLEAN STRAIGHT EDGE. NEW PAVEMENT SHALL MEET THE LINE AND GRADE OF ADJACENT, EXISTING PAVEMENT TO REMAIN UNLESS OTHERWISE INDICATED.
- ALL LAWN AREAS DISTURBED BY CONSTRUCTION ACTIVITIES, NOT COVERED BY PAVEMENT OR IMPROVEMENTS SHALL BE TOPSOILED AND SEEDED AS LAWN.
- ALL GATE HARDWARE SHALL BE ACCESSIBLE TO THE HANDICAPPED IN COMPLIANCE WITH THE MOST CURRENT AMERICANS WITH DISABILITIES ACT GUIDELINES, AS AMENDED.
- EXISTING UTILITY SERVICES TO REMAIN. CONTRACTOR SHALL EXERCISE ALL MEASURES NECESSARY TO MAINTAIN MARKINGS ON THE GROUND SURFACE AND PREVENT DAMAGE FROM ADJACENT PROPOSED CONSTRUCTION.
- ALL CONCRETE WALLS, PADS AND WALKS SHALL BE PROVIDED WITH CONSTRUCTION AND EXPANSION JOINTS. EXPANSION JOINTS SHALL BE PROVIDED AT 25' O.C. MAXIMUM CONSTRUCTION JOINTS SHALL BE PROVIDED AT 10' O.C. MAXIMUM, UNLESS OTHERWISE SHOWN. COORDINATE WITH ARCHITECT FOR LOCATIONS.
- CONCRETE WALKS AND PADS SHALL BE BROOM SWEEP FINISH UNLESS OTHERWISE NOTED
- CONTRACTOR IS RESPONSIBLE TO VERIFY ALL EXISTING CONDITIONS LAYOUT INFORMATION. BRING ANY DISCREPANCIES TO THE ARCHITECT'S ATTENTION FOR REVIEW AND CLARIFICATION
- DO NOT SCALE DRAWINGS. USE DIMENSIONS GIVEN. ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD PRIOR TO THE START OF WORK AND THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE SAME.
- ALL DIMENSIONS ARE 90° AND TO THE NEAREST FOOT UNLESS OTHERWISE NOTED. ALL RADII ARE 5 FEET UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE TO THE FACE OF CURB, FACE OF BUILDING, EDGE OF PAVEMENT, CENTERLINE OF FENCE OR THE BOTTOM FACE OF WALL UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL ENGAGE A SURVEYOR LICENSED IN THE STATE OF PROJECT TO PERFORM LAYOUT AND SURVEYING SERVICES INCLUDING, BUT NOT LIMITED TO VERIFICATION AND LAYOUT OF BASELINES, PROPOSED IMPROVEMENTS, DIMENSIONS AND ELEVATIONS. REPORT ALL DISCREPANCIES TO THE ARCHITECT.
- CONTRACTOR SHALL COORDINATE LAYOUT OF ALL SITE IMPROVEMENTS WITH THEIR UTILITY LOCATING CO. & SURVEYOR TO AVOID CONFLICT WITH EXISTING UTILITIES. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES & FIELD ADJUST LAYOUT AS NECESSARY AT NO ADDITIONAL EXPENSE TO THE CONTRACT.
- CONTRACTOR SHALL LOCATE TRACK RADIUS MONUMENTS IN FIELD TO LAYOUT TRACK CENTERLINES AND/OR ESTABLISH CENTERLINES AND BENCHMARKS IN FIELD FOR REVIEW BY THE LANDSCAPE ARCHITECT. ALL DIMENSIONS SHALL BE OFF OF TRACK CENTERLINES UNLESS OTHERWISE NOTED.

LEGEND





GRADING AND DRAINAGE NOTES:

1. NOTIFY CALL BEFORE YOU DIG (CBYD) (811) AND VERIFY UTILITY MARK-OUT WITH THE OWNER PRIOR TO THE INITIATION OF ANY SITE DISTURBANCE.
2. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFICATION OF THE LOCATION AND NATURE OF ALL SUBSURFACE UTILITIES AT THE PROJECT WHICH MAY BE AFFECTED BY THE WORK. COORDINATE WITH RESPECTIVE UTILITY OWNERS AND PERFORM VERIFICATION OF TYPE, LOCATION AND INVERTS AS REQUIRED.
3. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OF ANY AND ALL DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
4. EXISTING SURVEY, TOPOGRAPHIC, DRAINAGE AND UTILITY DATA WAS OBTAINED FROM PRINTS ENTITLED "BERLIN HIGH SCHOOL-RUNNING TRACK" BY BONGIOVANNI GROUP, INC. LAND SURVEYORS, DATED 08-25-2022 SCALE 1"=30'. THE LOCATIONS OF EXISTING SITE FEATURES MUST BE CONSIDERED APPROXIMATE BOTH TO LOCATION, SIZE, AND AS-BUILT CONDITION AND ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ACTUAL FIELD CONDITIONS.
5. PROVIDE FOR THE LAYOUT AND STAKING/MARKING OF THE PROPOSED LOCATION OF ALL PROPOSED SITE IMPROVEMENTS, INCLUDING FURNISHINGS, OBTAIN LANDSCAPE ARCHITECT'S APPROVAL OF THE LAYOUT PRIOR TO PROCEEDING WITH THE WORK.
6. ALL AREAS DISTURBED BY THE CONTRACTORS ACTIVITIES, NOT COVERED BY BUILDINGS, TURF OR PAVEMENT SHALL BE TOPSOILED AND SEEDS AS LAWN.
7. ALL PAVEMENT AREAS UTILIZED BY THE CONTRACTOR SHALL BE CLEANED OF ALL DEBRIS AND STAINING PRIOR TO FINAL ACCEPTANCE.

KAESTLE BOOS
associates, inc

416 Slater Road, New Britain, CT 06050-2590
Phone: 860-229-0361 ▲ Fax: 860-229-5303
Additional offices located in Massachusetts and Rhode Island
Email: kba@kba-architects.com ▲ Web: www.kba-architects.com

CONSTRUCTION /
PROGRAM MANAGER

CONSULTANTS

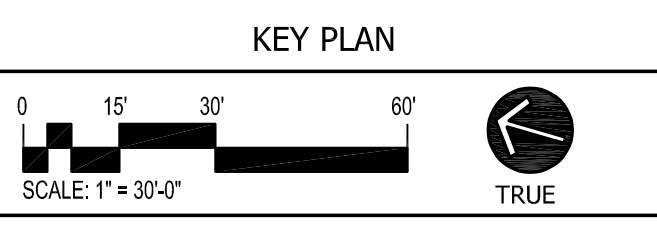
PROGRESS PRINT

DATE:
NOT FOR CONSTRUCTION

DATE	ISSUE DATE
FEBRUARY 17, 2023	DESCRIPTION DRAWINGS ISSUED FOR BID

DATE	REVISIONS
	DESCRIPTION

FOR ALL ABBREVIATIONS, SYMBOL LEGENDS,
AND GENERAL NOTES SEE SHEET R0.01

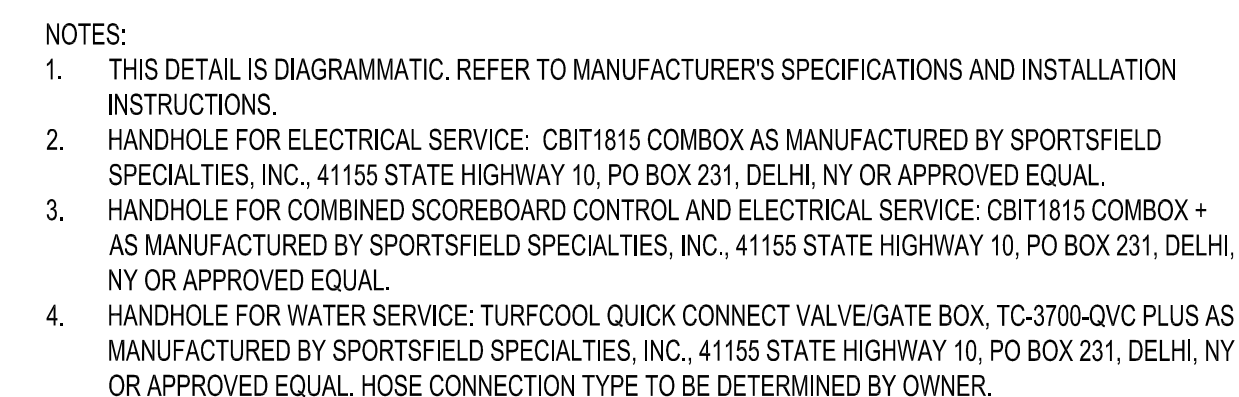


**BISCOGLIO FIELD
RENOVATION
BERLIN
HIGH SCHOOL**
139 PATTERSON WAY
BERLIN, CT 06037

PROJECT NO.: 22024.00 DRAWN BY: KM

**SITE
GRADING
PLAN**

DRAWING NO.:
L3.00



CONSTRUCTION /
PROGRAM MANAGER

CONSULTANTS

PROGRESS PRINT

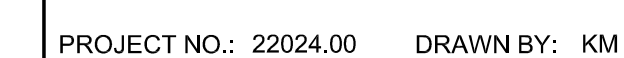
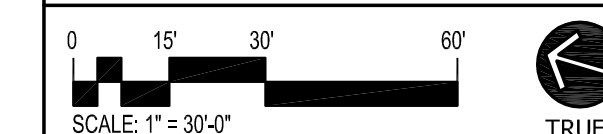
DATE: _____
NOT FOR CONSTRUCTION

DATE	ISSUE DATE	DESCRIPTION
FEBRUARY 17, 2023		DRAWINGS ISSUED FOR BID

REVISIONS	
DATE	DESCRIPTION

FOR ALL ABBREVIATIONS, SYMBOL LEGENDS,
AND GENERAL NOTES SEE SHEET R0.01

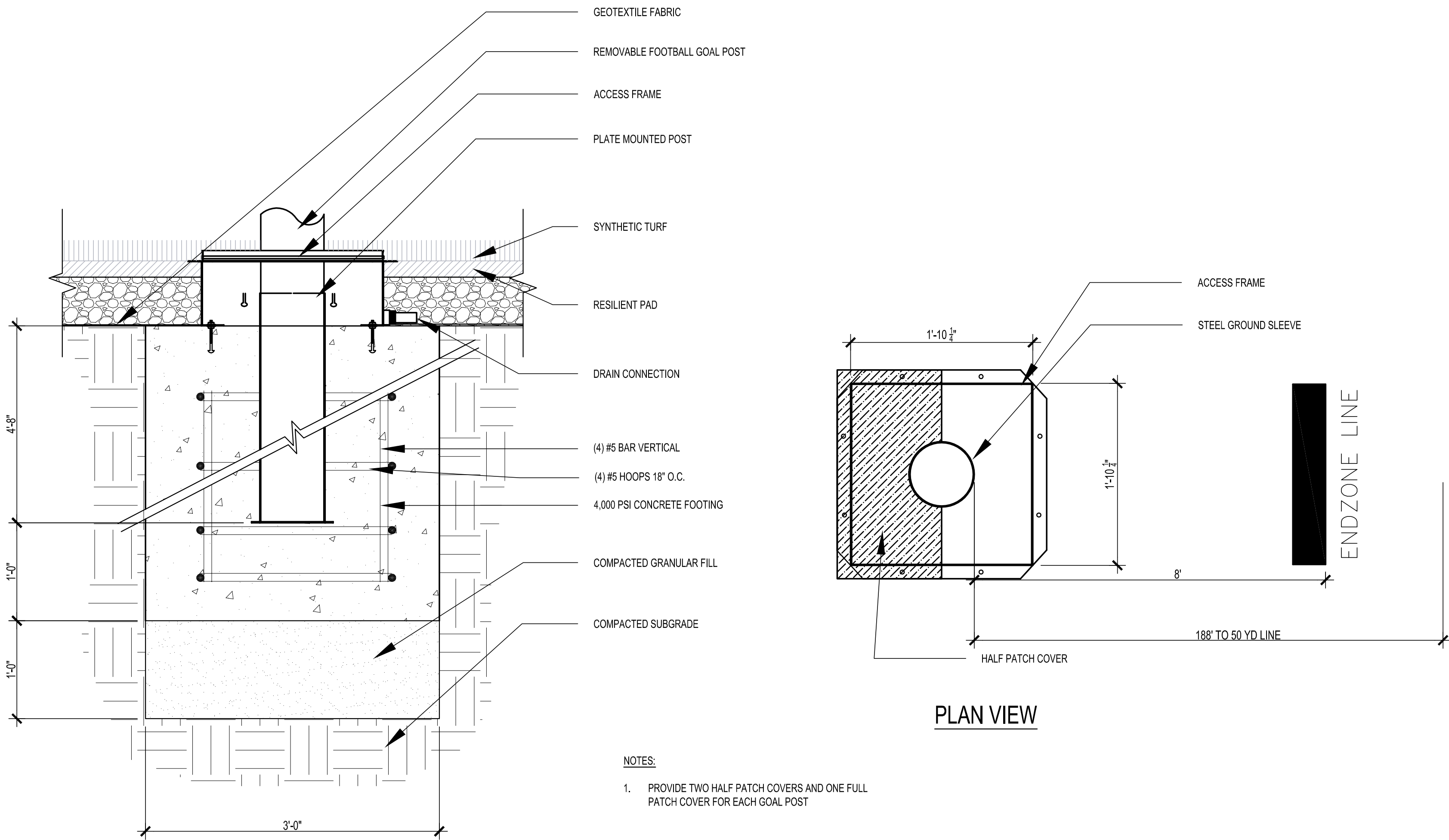
KEY PLAN



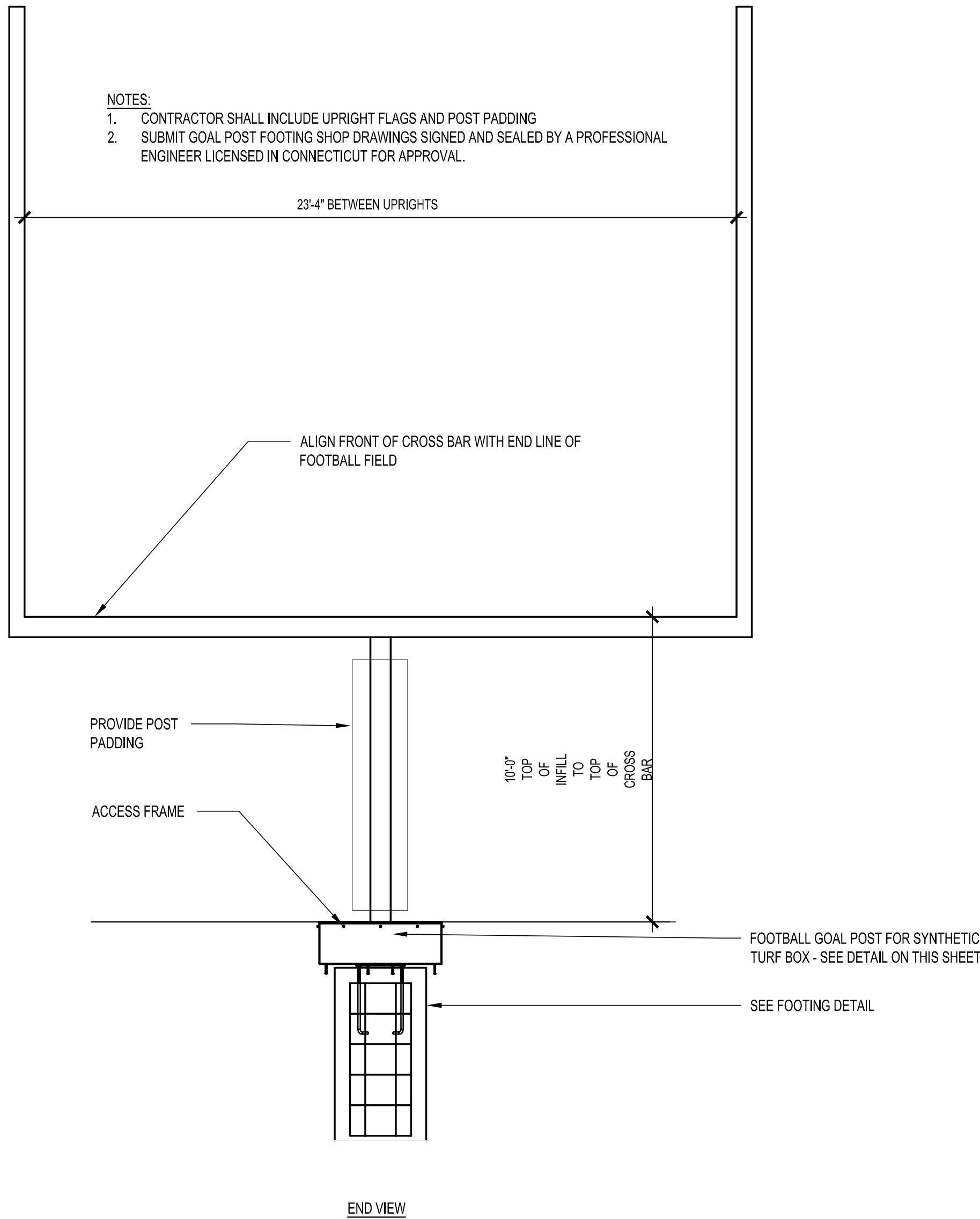
DETAILS

DRAWING NO.:

L4.00



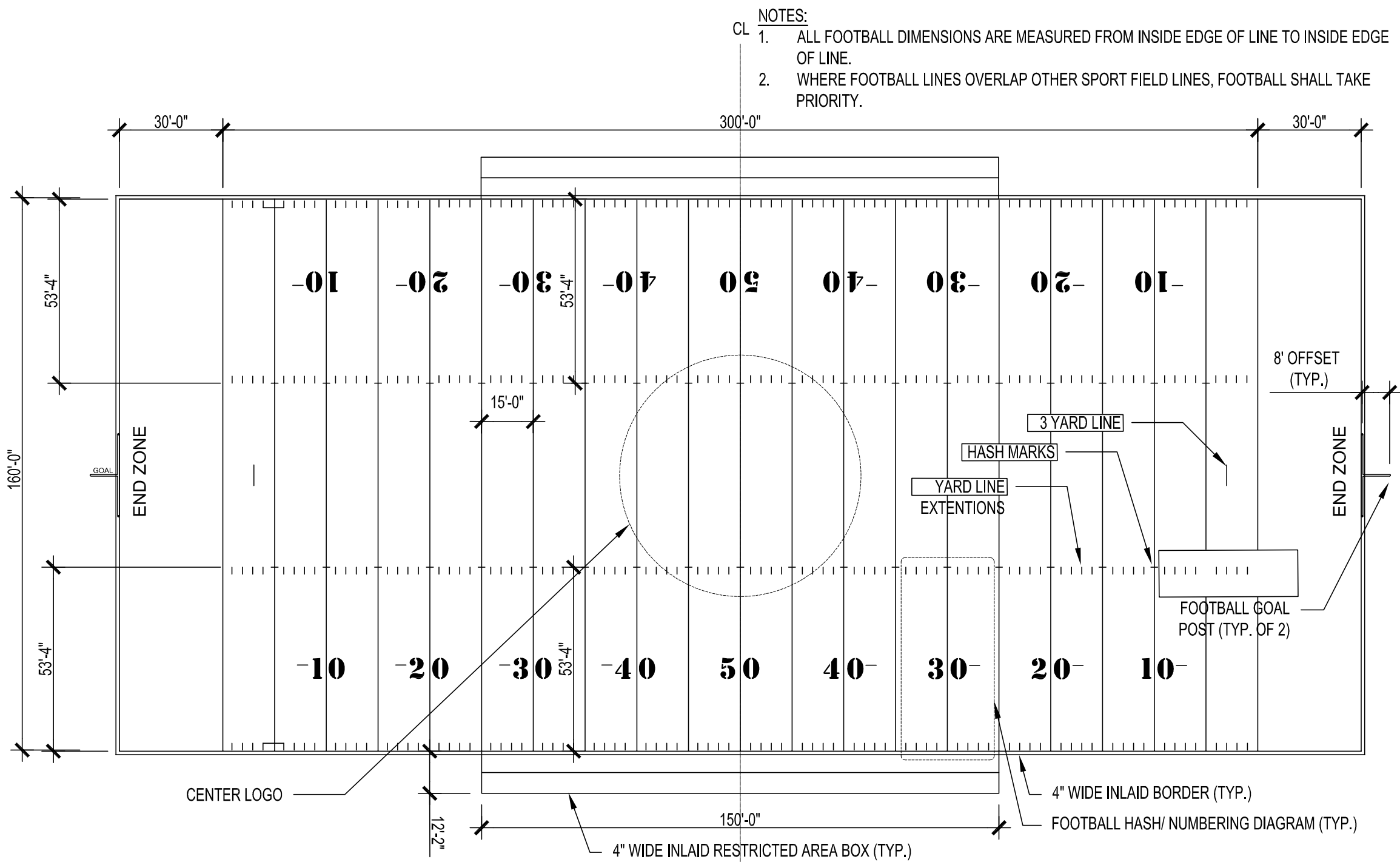
PLAN VIEW



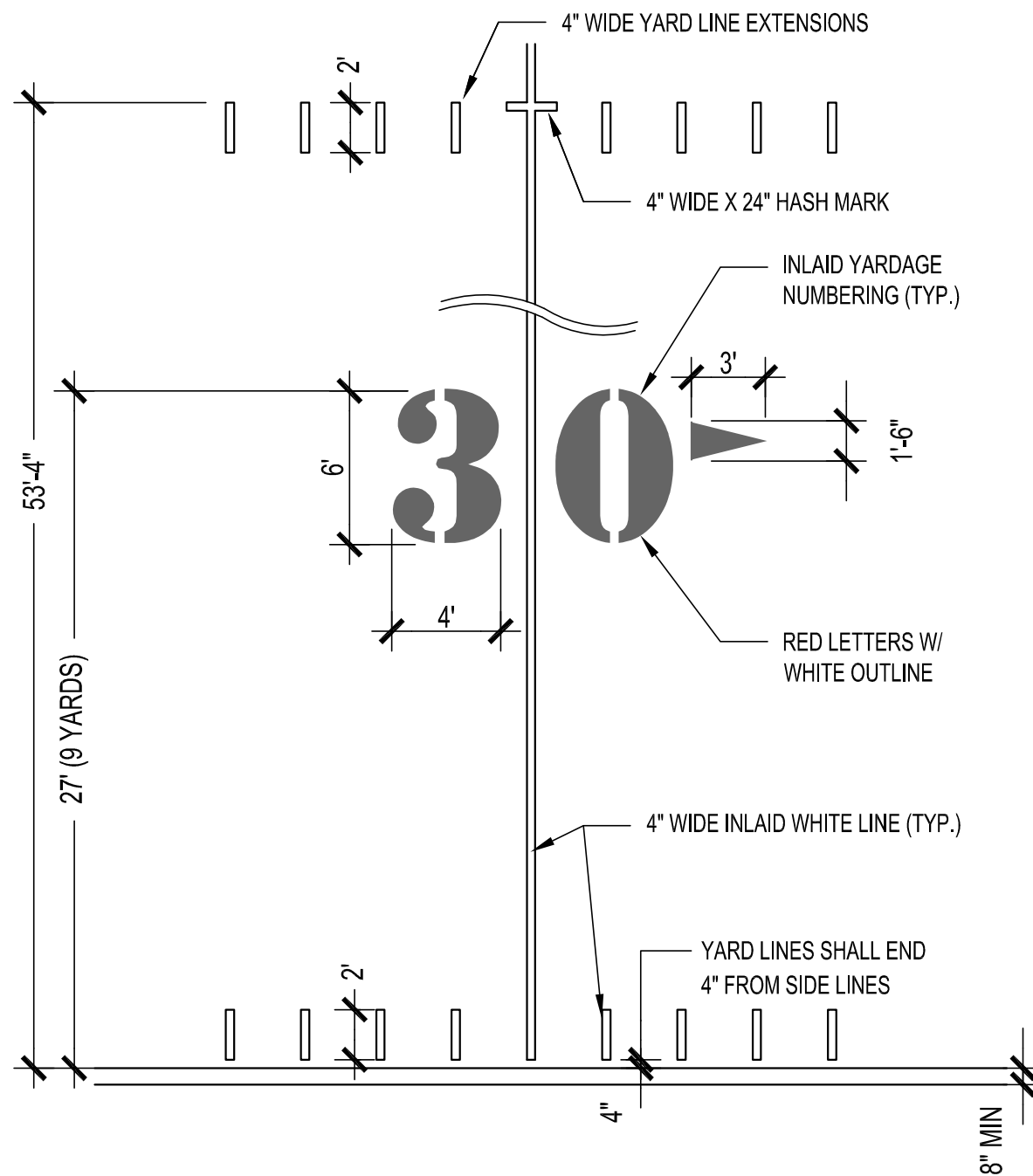
END VIEW

3 FOOTBALL GOAL POST FOOTING
NOT TO SCALE

1 FOOTBALL GOAL POST
NOT TO SCALE



4 FOOTBALL FIELD LAYOUT (WHITE INLAID LINES) (NFHS)
NOT TO SCALE



2 FOOTBALL FIELD INLAIS
NOT TO SCALE

CONSTRUCTION /
PROGRAM MANAGER

CONSULTANTS

PROGRESS PRINT

DATE:
NOT FOR CONSTRUCTION

DATE	DESCRIPTION
FEBRUARY 17, 2023	DRAWINGS ISSUED FOR BID

DATE	DESCRIPTION
------	-------------

FOR ALL ABBREVIATIONS, SYMBOL LEGENDS,
AND GENERAL NOTES SEE SHEET R0.01

KEY PLAN



**BISCOGLIO FIELD
RENOVATION
BERLIN
HIGH SCHOOL**
139 PATTERSON WAY
BERLIN, CT 06037

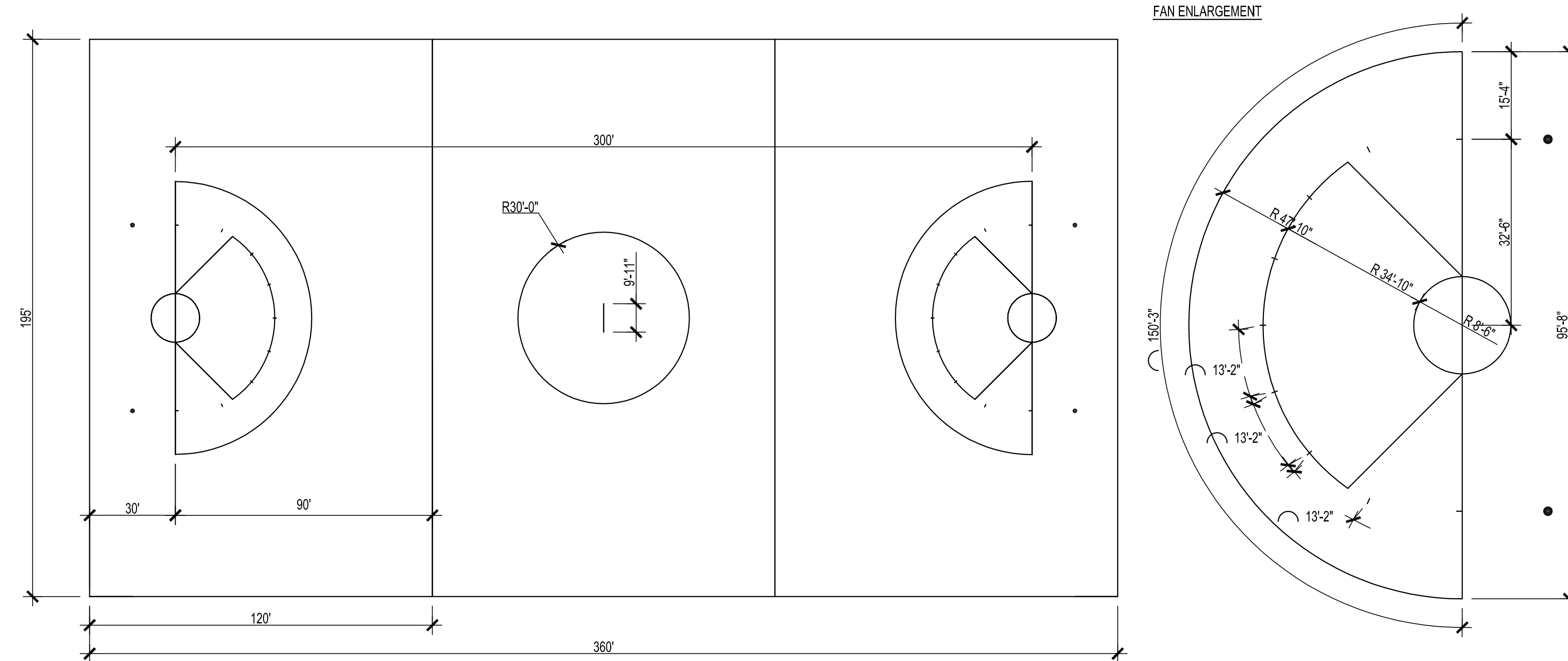
PROJECT NO.: 22024.00 DRAWN BY: KM

DETAILS

DRAWING NO.:

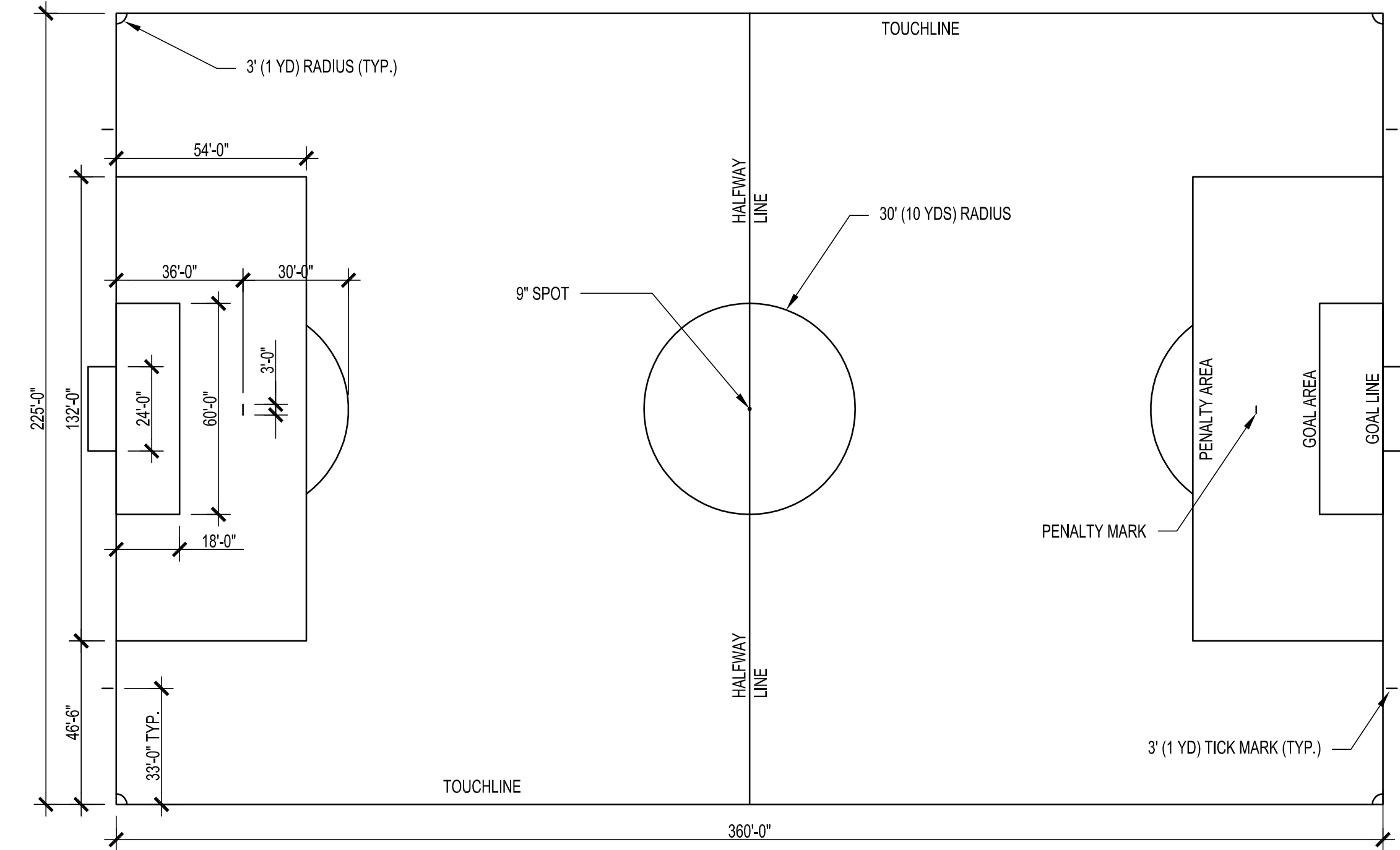
L4.01

1. TEAM AREAS TO BE PAINTED BY OTHERS (N.I.C.)
2. ALL DIMENSIONS FROM INSIDE EDGE TO INSIDE EDGE OF LINES.



NOTES:

1. ALL SOCCER DIMENSIONS ARE MEASURED FROM OUTSIDE EDGE OF LINE TO OUTSIDE EDGE OF LINE, UNLESS OTHERWISE NOTED.
2. TEAM AREAS TO BE PAINTED BY OTHERS (N.I.C.)



Architectural drawing of a football field with various turf and sideline specifications. The field is shown with yard lines, end zones, and a large 'B' logo in the center. The drawing includes callouts for different turf types and sideline graphics.

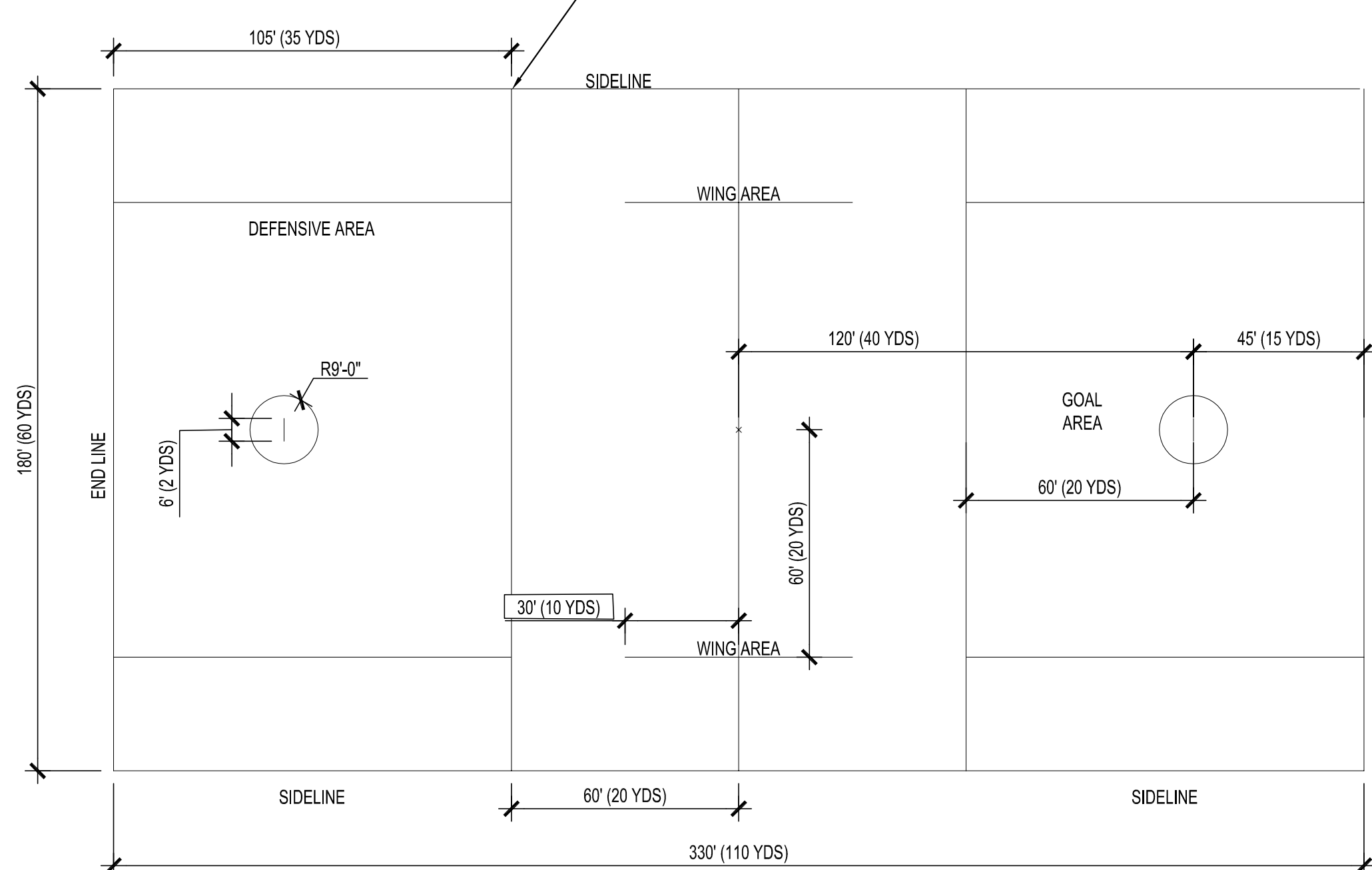
Callouts and specifications:

- ALTERNATE 'BERLIN' SIDELINE GRAPHICS: 10' HIGH 3 COLOR LETTERING EACH SIDELINE
- BASE BID: 3 COLOR (RED, BLUE, AND WHITE) INLAID TURF LOGO ALTERNATE - SEE DETAIL
- BASEBID: 'WATERMELON' DARK GREEN COLOR SCHEME FOR TURF BORDER
- BASEBID: 'WATERMELON' ALTERNATING DARK/LIGHT GREEN COLOR SCHEME FOR FOOTBALL FIELD
- BASE BID: RED YARD LINE NUMERALS WITH WHITE BORDER
- INSTALLER TO SUBMIT COLORED TURF LAYOUT DRAWINGS PER SPECIFICATION FOR REVIEW BY THE LANDSCAPE ARCHITECT & OWNER PRIOR TO TURF MANUFACTURE.
- INLAID TURF FIELD LINES -SEE DETAILS
- ALTERNATE 'BERLIN' SIDELINE GRAPHICS: 10' HIGH 3 COLOR LETTERING EACH SIDELINE

NOTES:

1. TEAM AREAS TO BE PAINTED BY OTHERS (N.I.C.)
2. ALL DIMENSIONS FROM INSIDE EDGE TO INSIDE EDGE OF LINES.

SHOW GOAL AREA LINES PARALLEL TO FOOTBALL 30 YARD LINES.

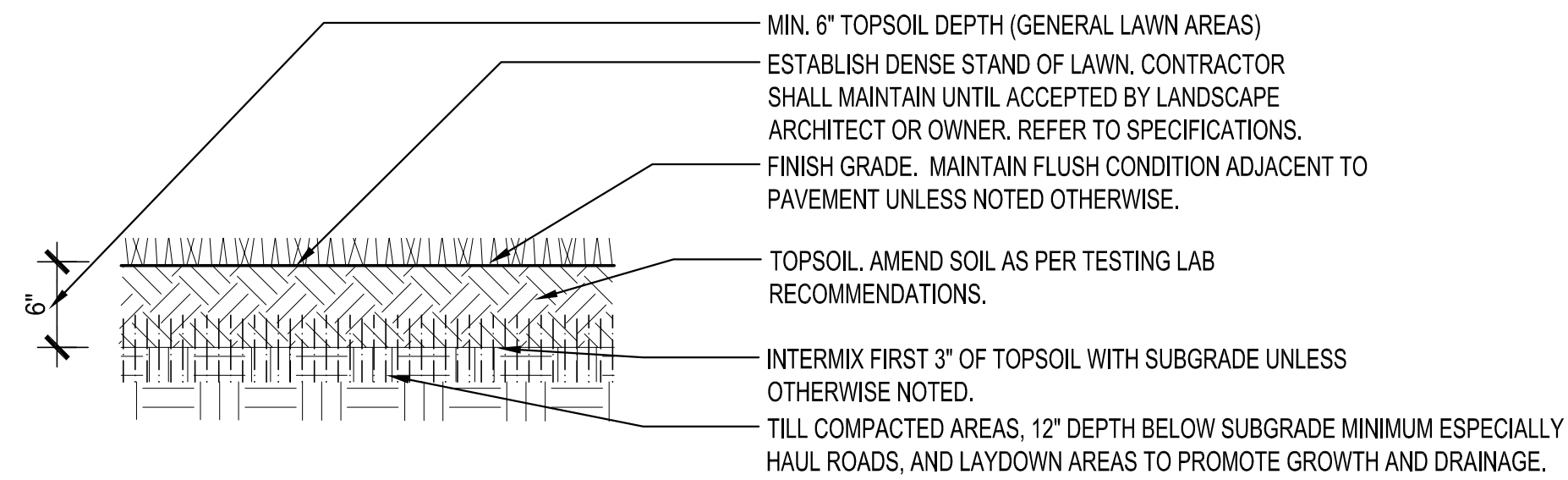


416 Slater Road, New Britain, CT 06050-2590
Phone: 860-229-0361 ▲ Fax: 860-229-5303

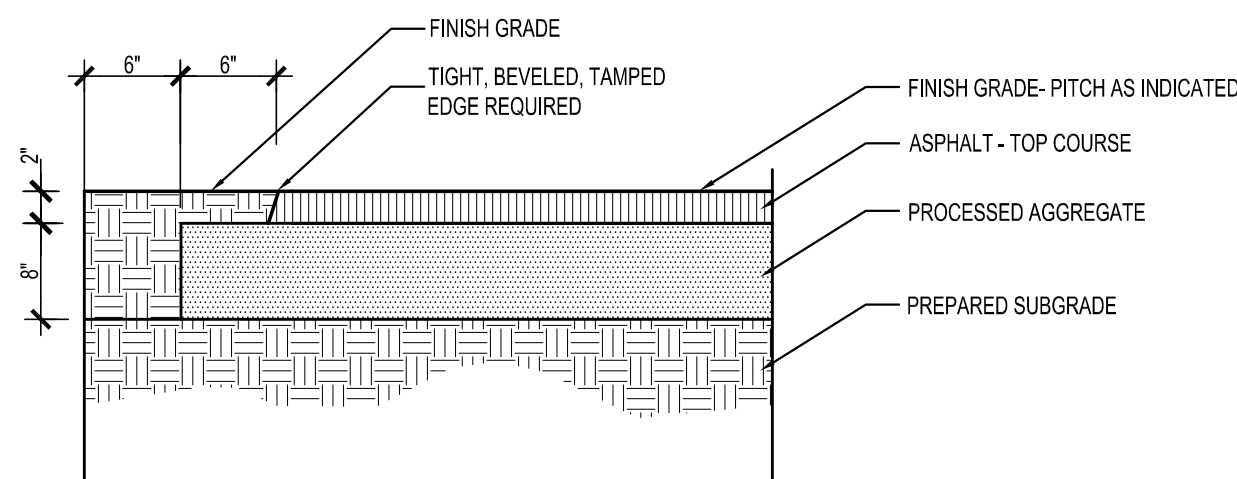
Additional offices located in Massachusetts and Rhode Island

Email: kba@kba-architects.com ▲ Web: www.kba-architects.com

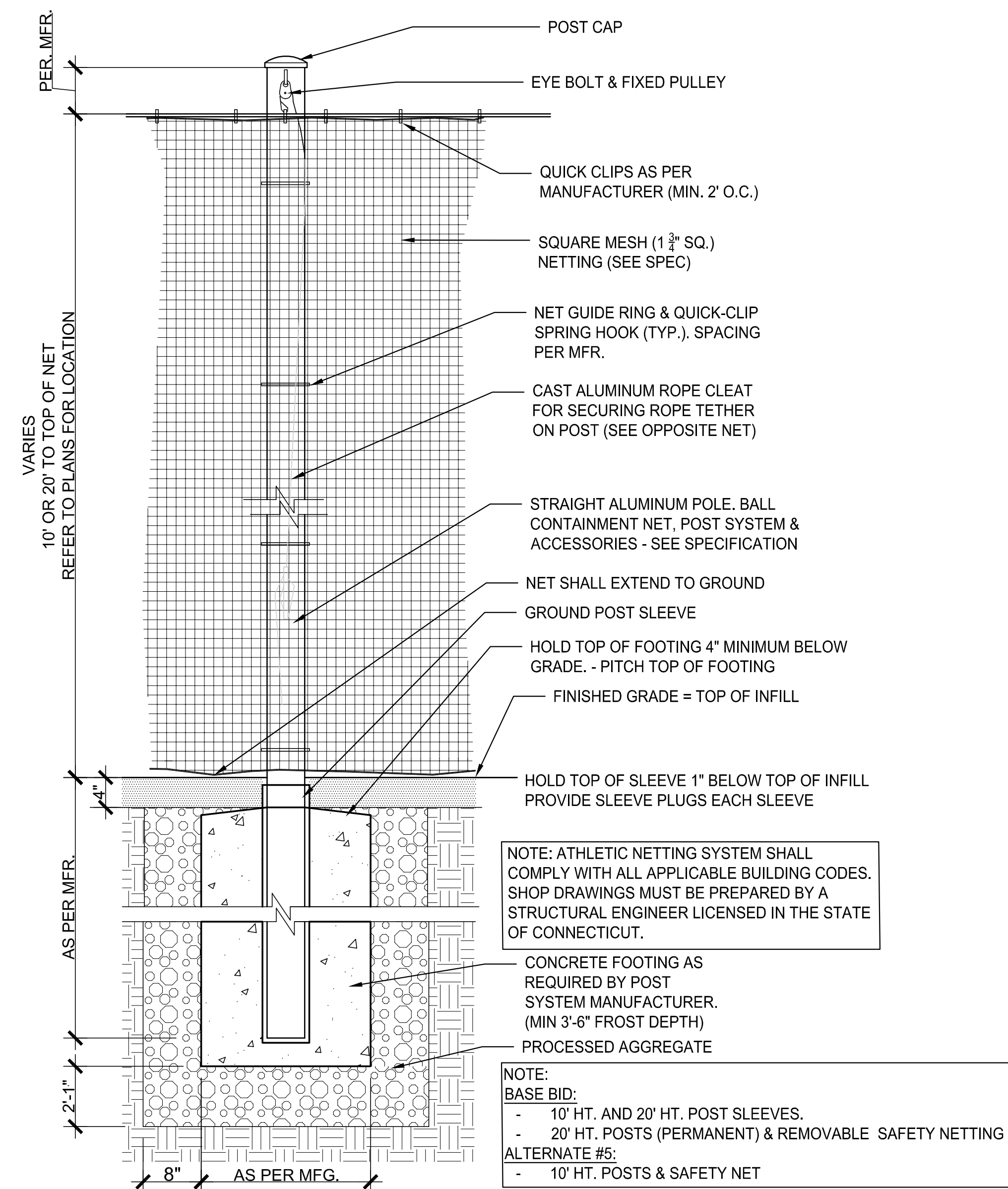
L4.02



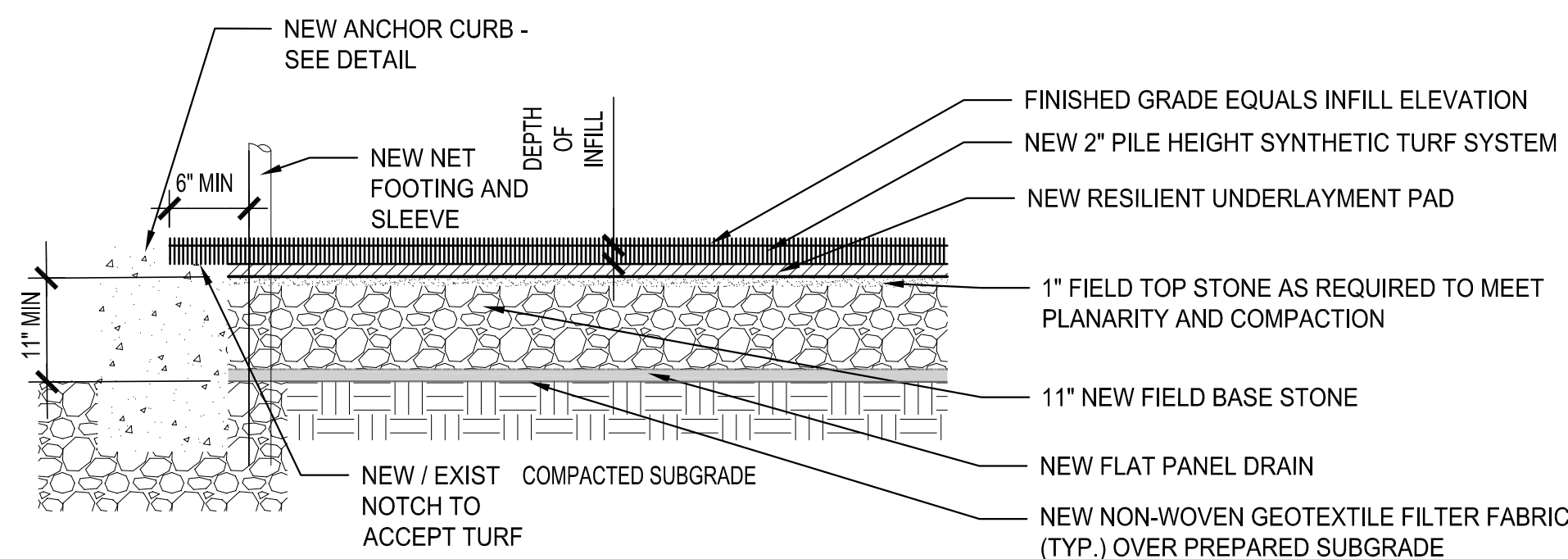
3 LAWN PLANTING (TYP.)
NOT TO SCALE



4 ASPHALT WALK - SINGLE COURSE
N.T.S.



1 ATHLETIC NETTING SYSTEM- BASE BID, ALTERNATE #5
NOT TO SCALE



NOTES:
1. CONTRACTOR SHALL DETERMINE AMOUNT OF FIELD BASE TOP STONE AND FIELD BASE BOTTOM STONE REQUIRED WITH RESPECT TO METHOD OF PLACEMENT OF STONE AND ACHIEVING REQUIRED PLANARITY AND FINAL COMPACTION. FIELD TOP STONE SHALL NOT EXCEED A 1" DEPTH.

2 SYNTHETIC TURF
NOT TO SCALE

CONSTRUCTION /
PROGRAM MANAGER

CONSULTANTS

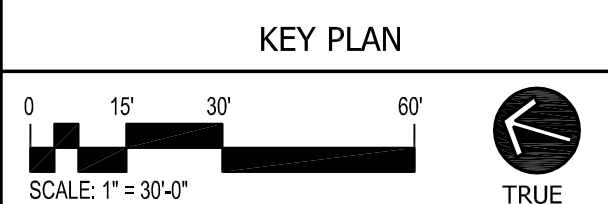
PROGRESS PRINT

DATE:
NOT FOR CONSTRUCTION

DATE	ISSUE DATE	DESCRIPTION
FEBRUARY 17, 2023		DRAWINGS ISSUED FOR BID

DATE	REVISIONS	DESCRIPTION

FOR ALL ABBREVIATIONS, SYMBOL LEGENDS,
AND GENERAL NOTES SEE SHEET R0.01



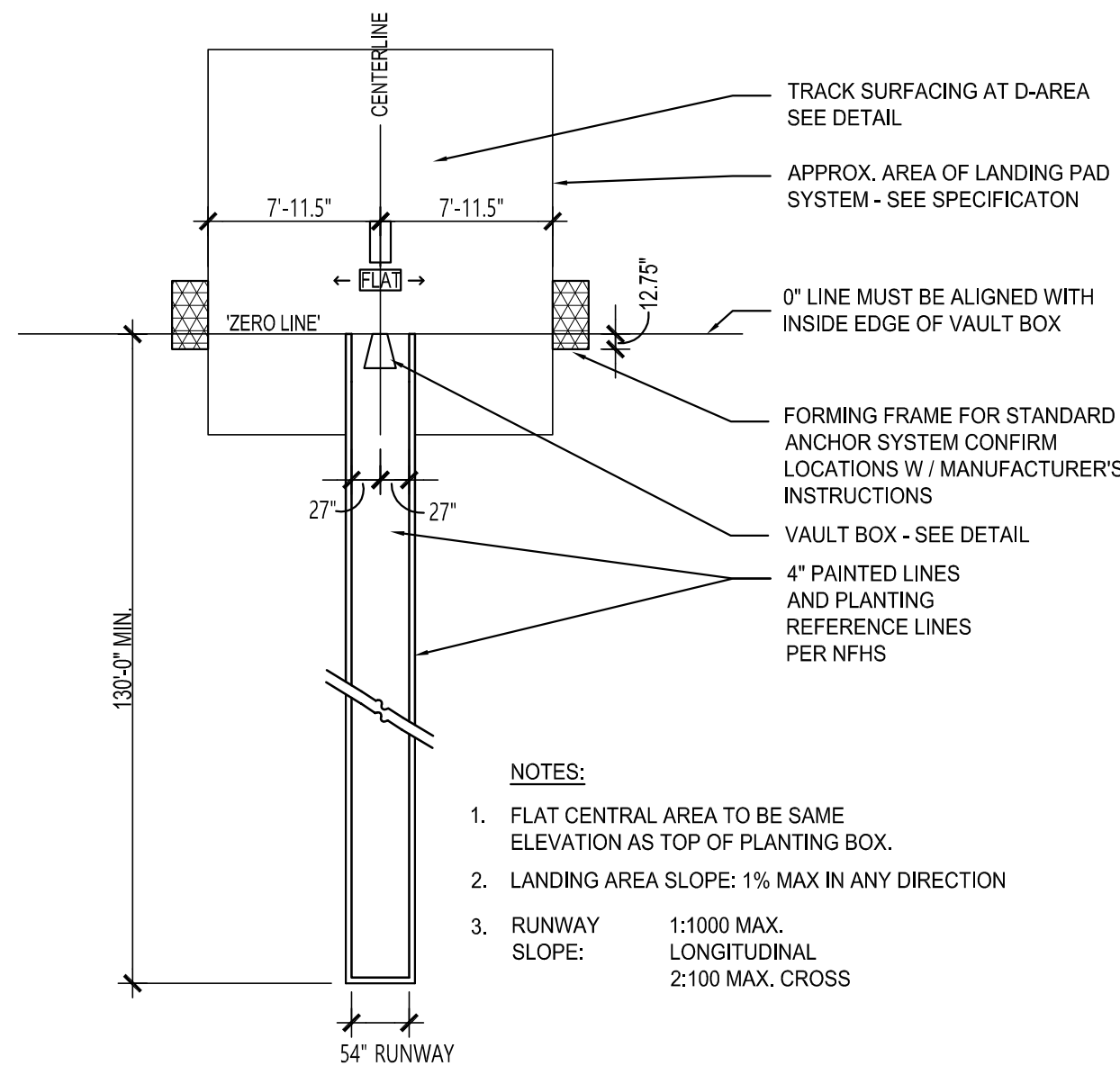
**BISCOGLIO FIELD
RENOVATION
BERLIN
HIGH SCHOOL**
139 PATTERSON WAY
BERLIN, CT 06037

PROJECT NO.: 22024.00 DRAWN BY: KM

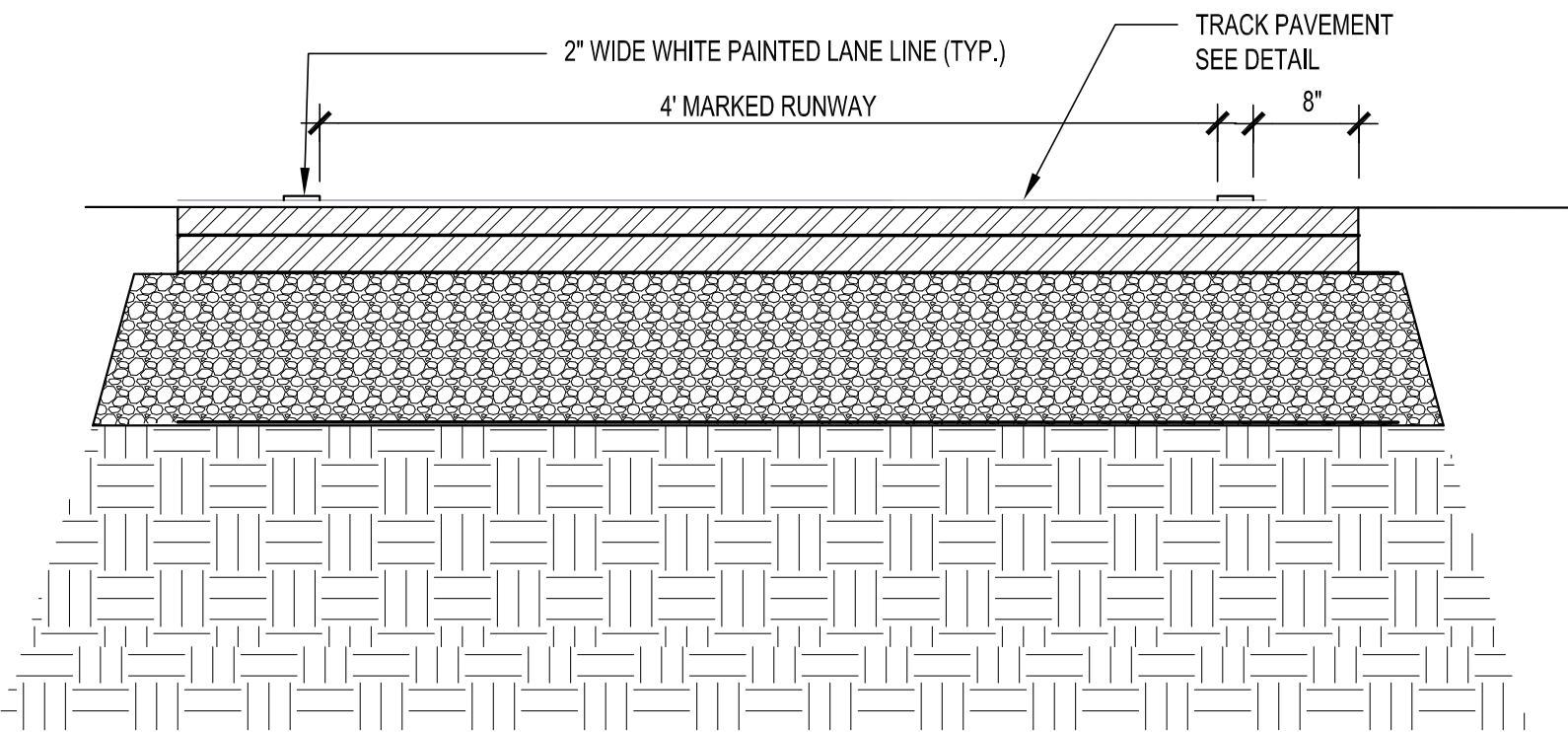
DETAILS

DRAWING NO.:

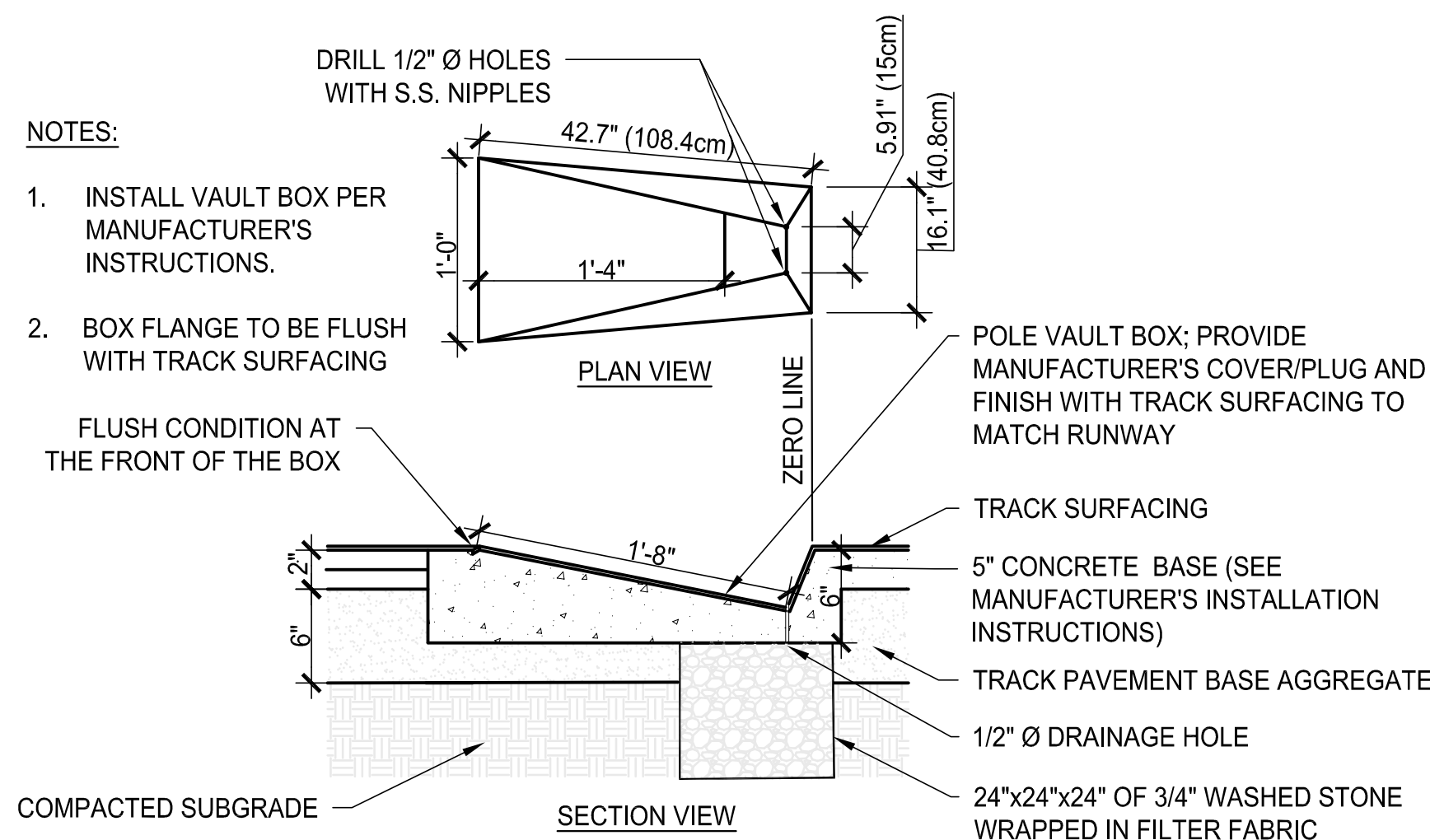
L4.03



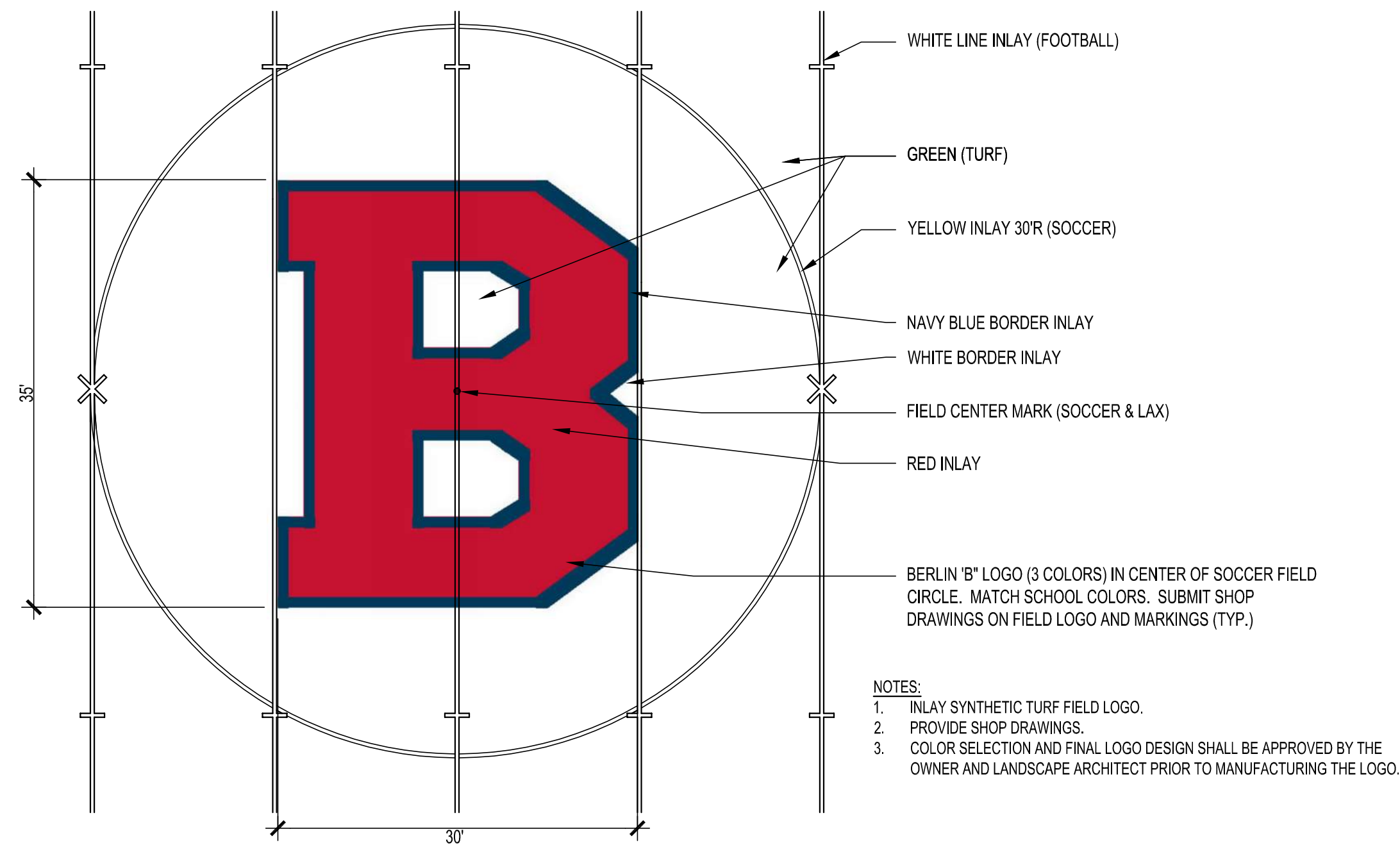
4 POLE VAULT - ALTERNATE #7
NOT TO SCALE



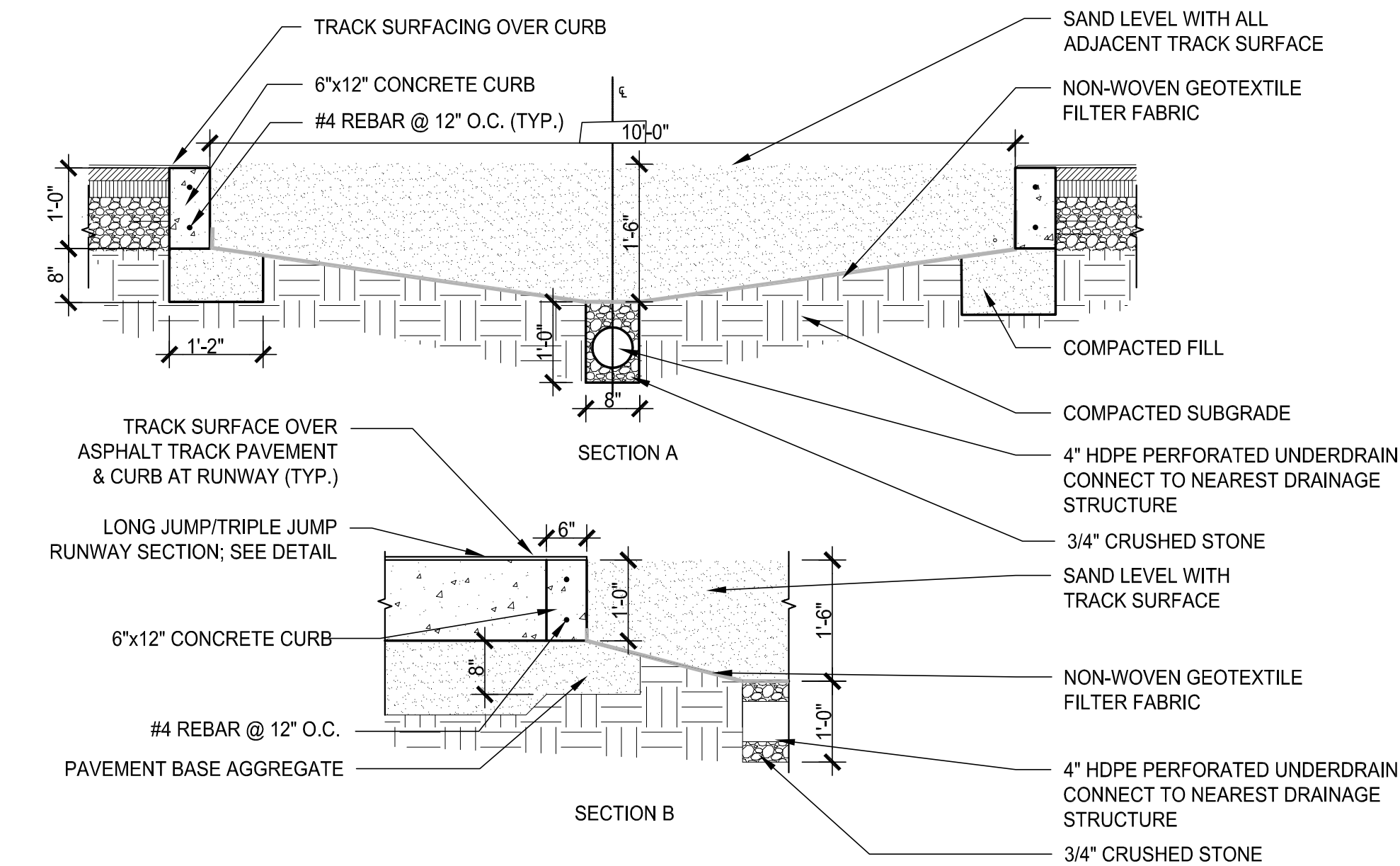
5 POLEVAULT RUNWAY SECTION - ALTERNATE #7
NOT TO SCALE



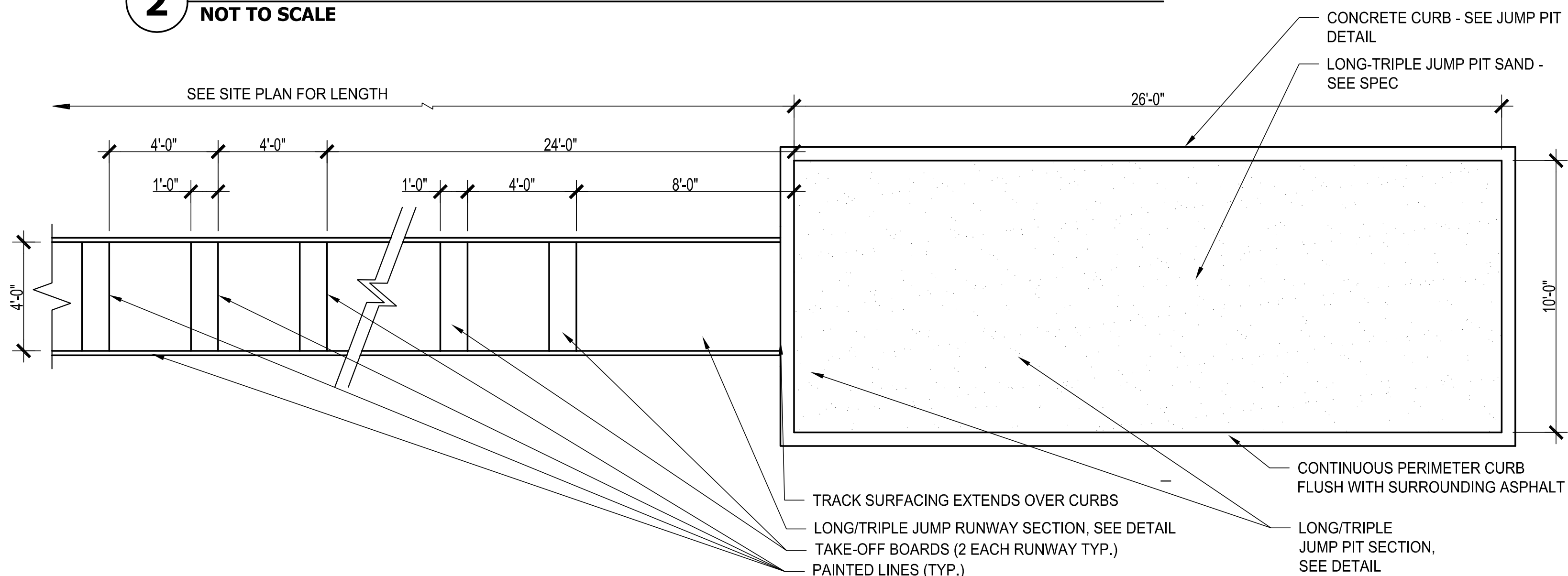
6 POLEVAULT VAULT BOX- ALTERNATE #7
NOT TO SCALE



1 SYNTHETIC TURF FIELD CENTER LOGO - ALTERNATE #6
NOT TO SCALE

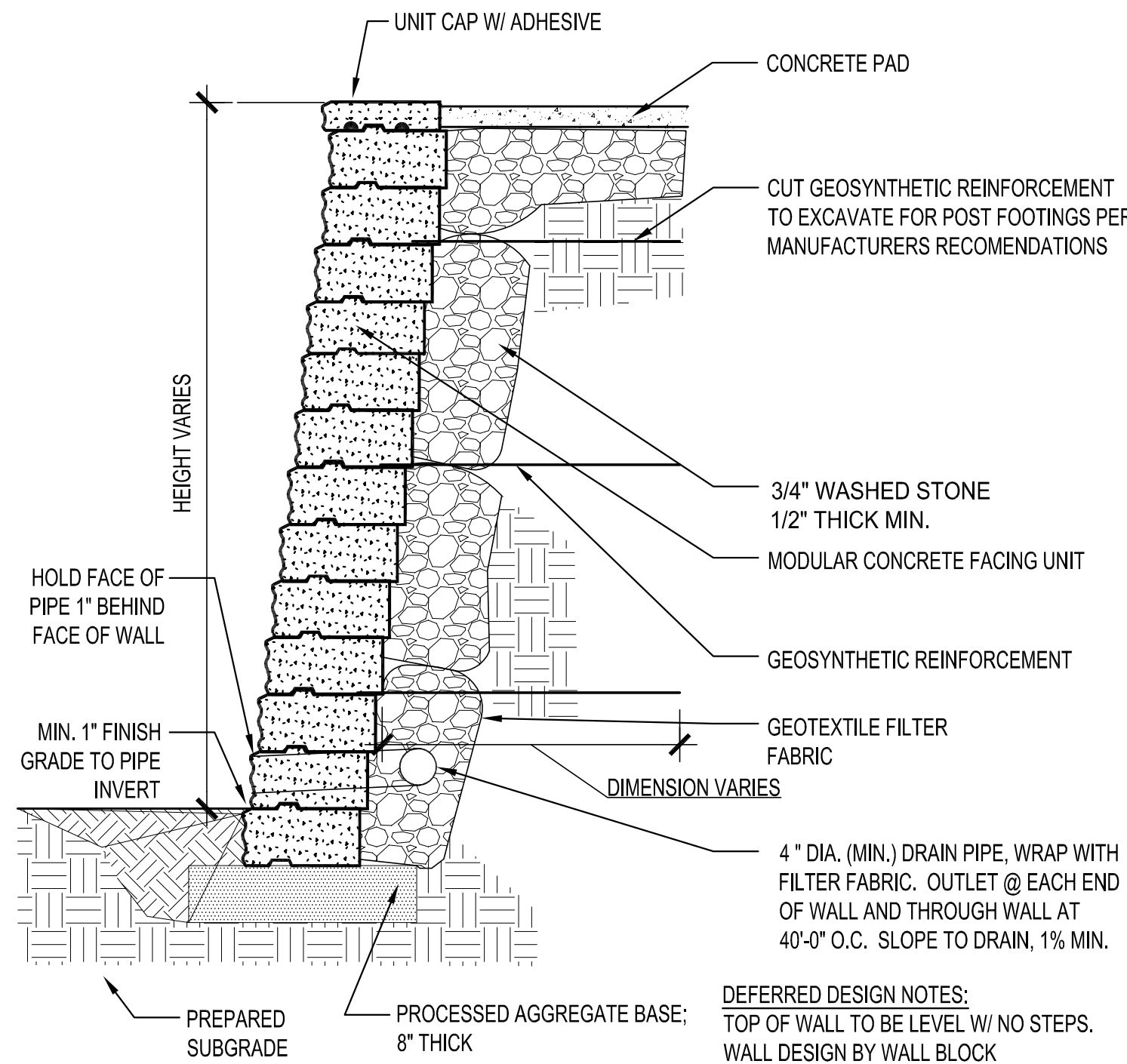


2 LONG/TRIPLE JUMP PIT SECTION - ALTERNATE #7
NOT TO SCALE

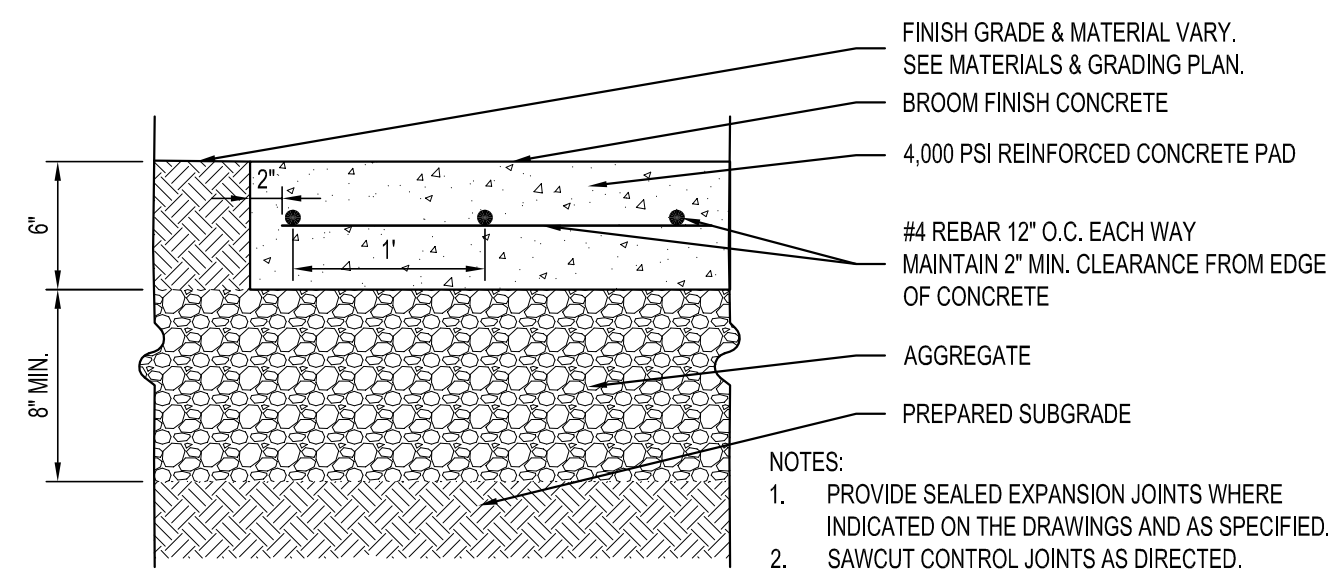


3 LONG/TRIPLE JUMP RUNWAY STRIPING PLAN - ALTERNATE #7
NOT TO SCALE

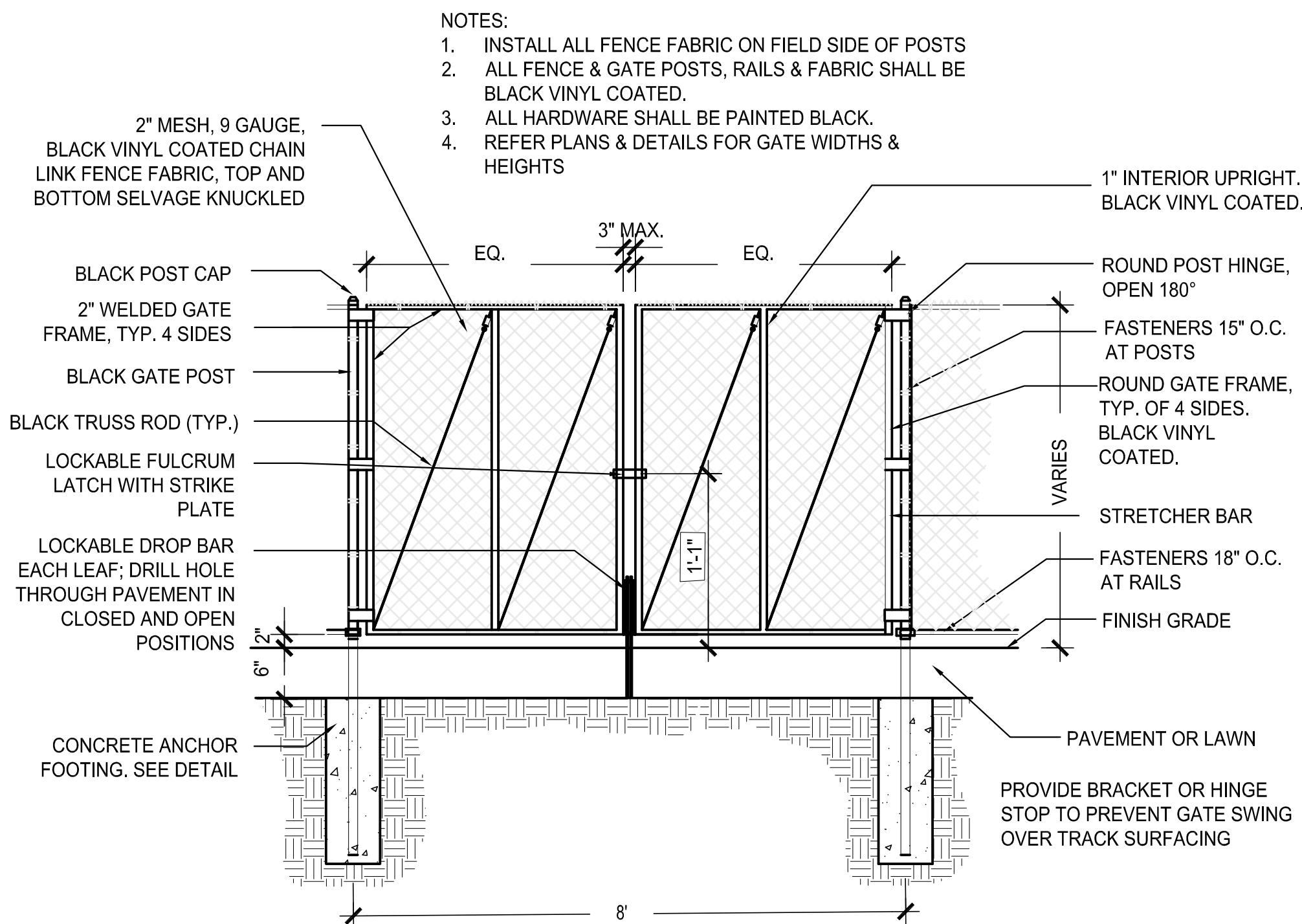




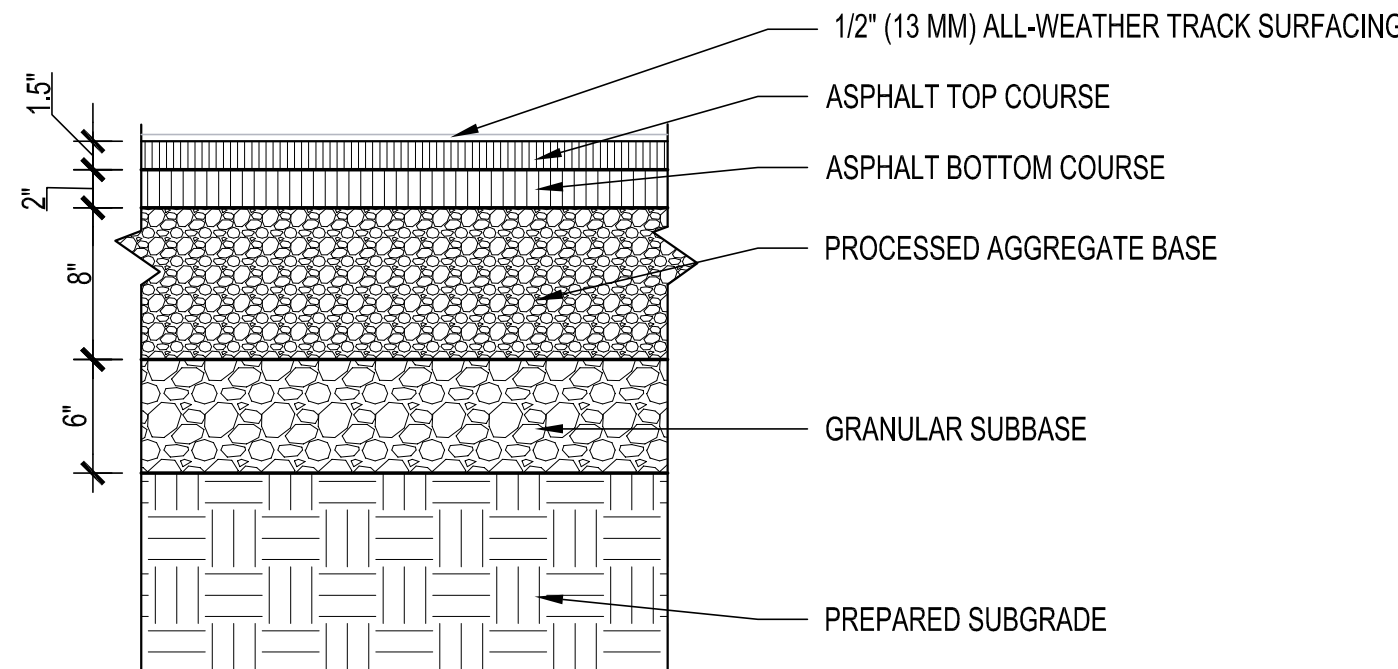
6 SEGMENTAL RETAINING WALL - ALTERNATE #2
NOT TO SCALE



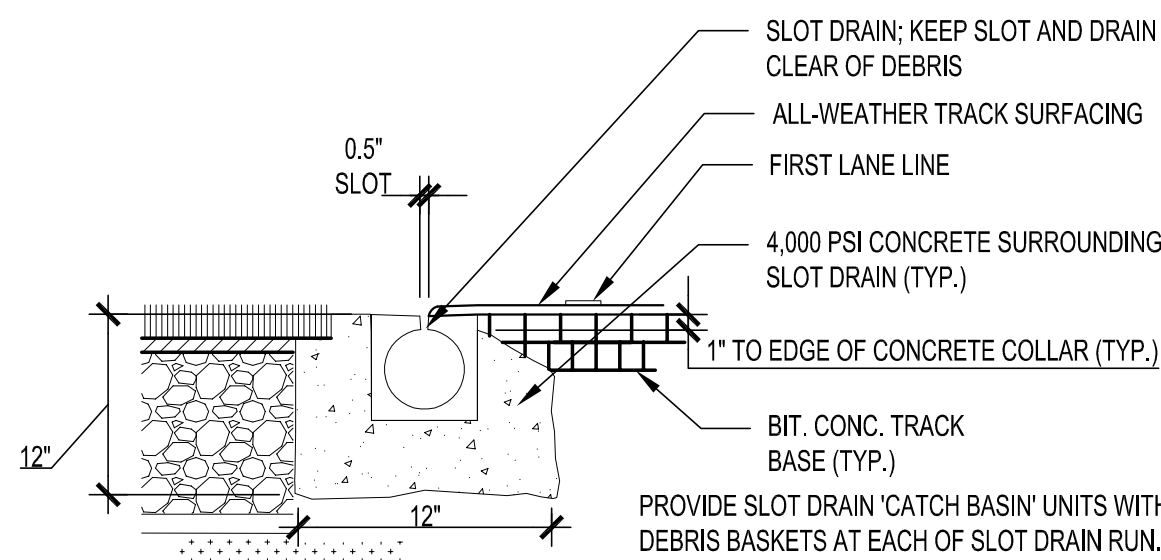
7 REINFORCED CONCRETE PAD ALTERNATE #2
NOT TO SCALE



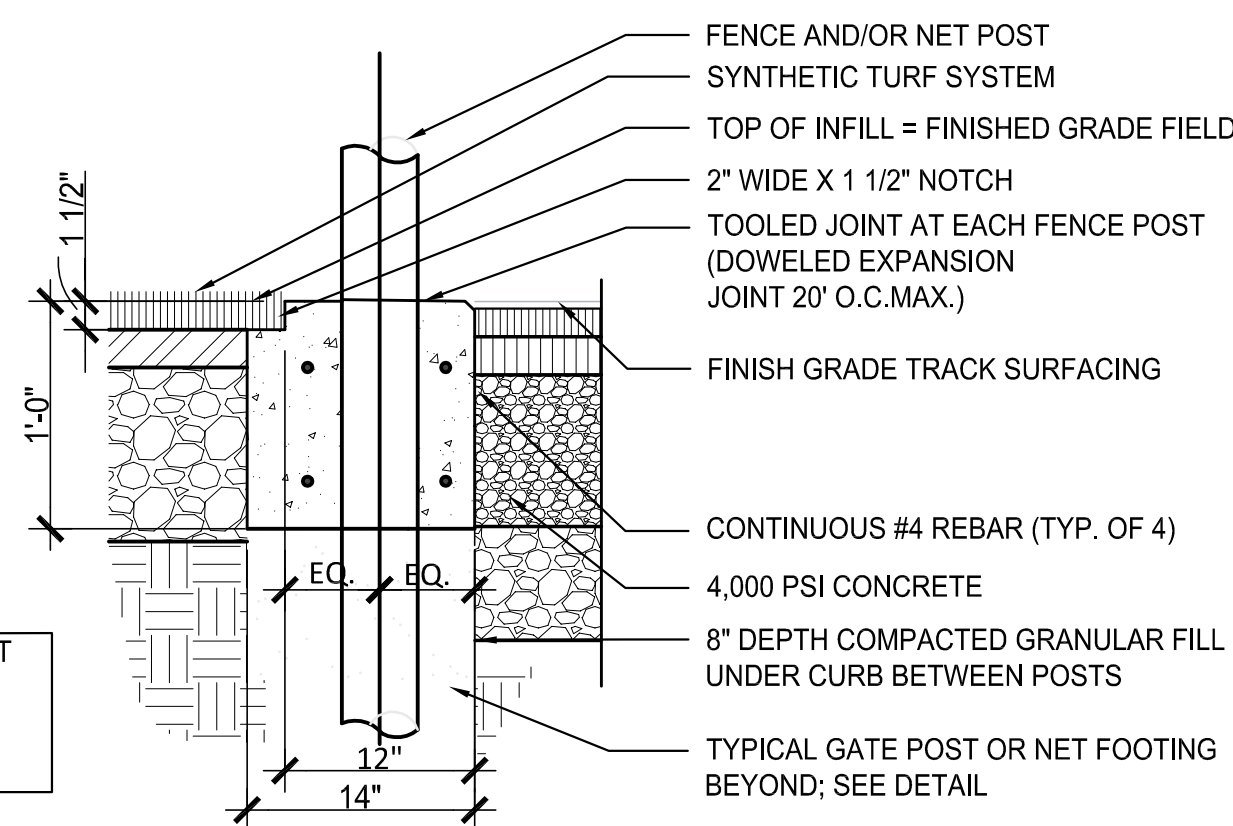
8 CHAIN LINK FENCE GATE - DOUBLE
NOT TO SCALE



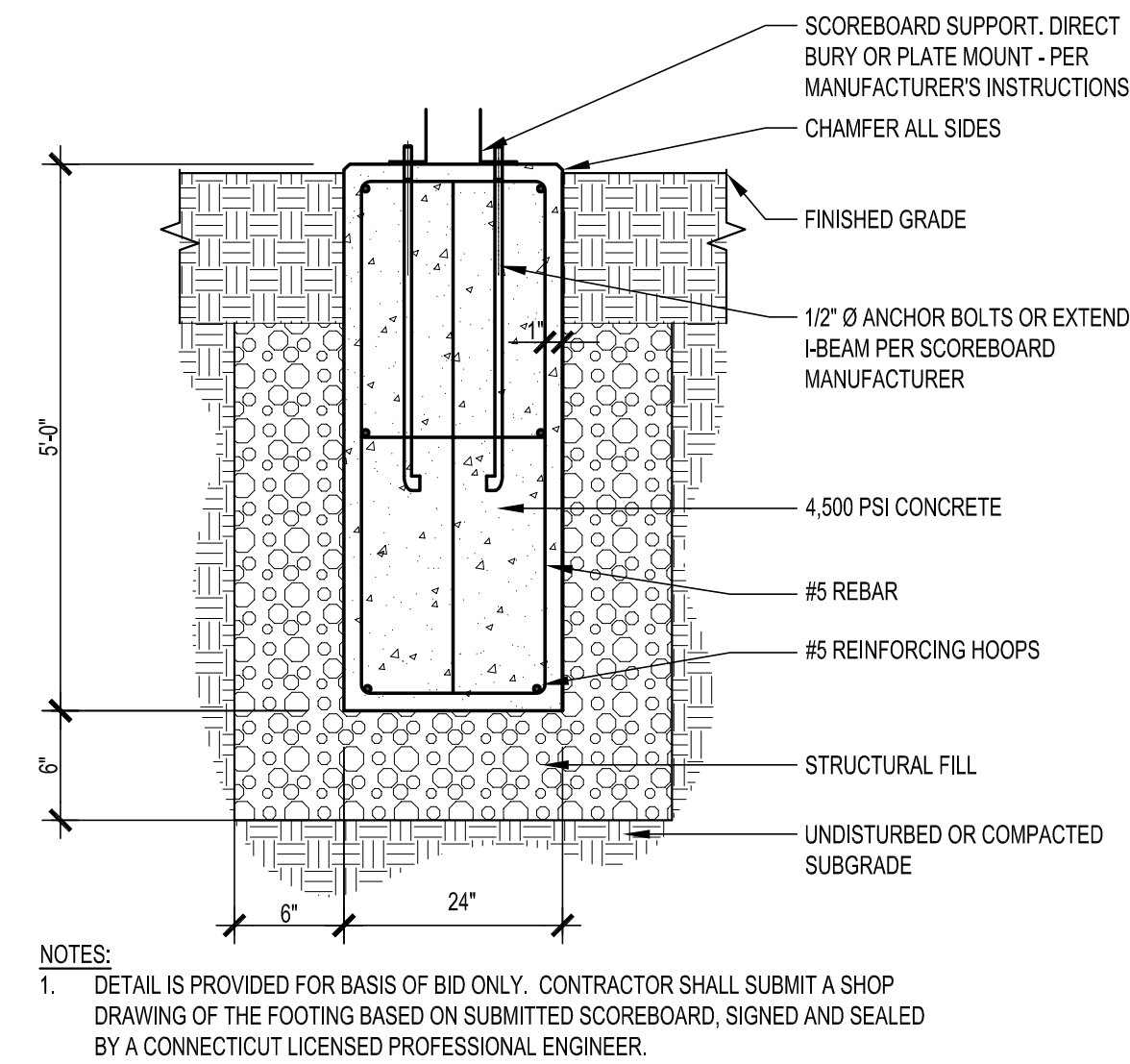
3 TRACK PAVEMENT - ALTERNATE #7
NOT TO SCALE



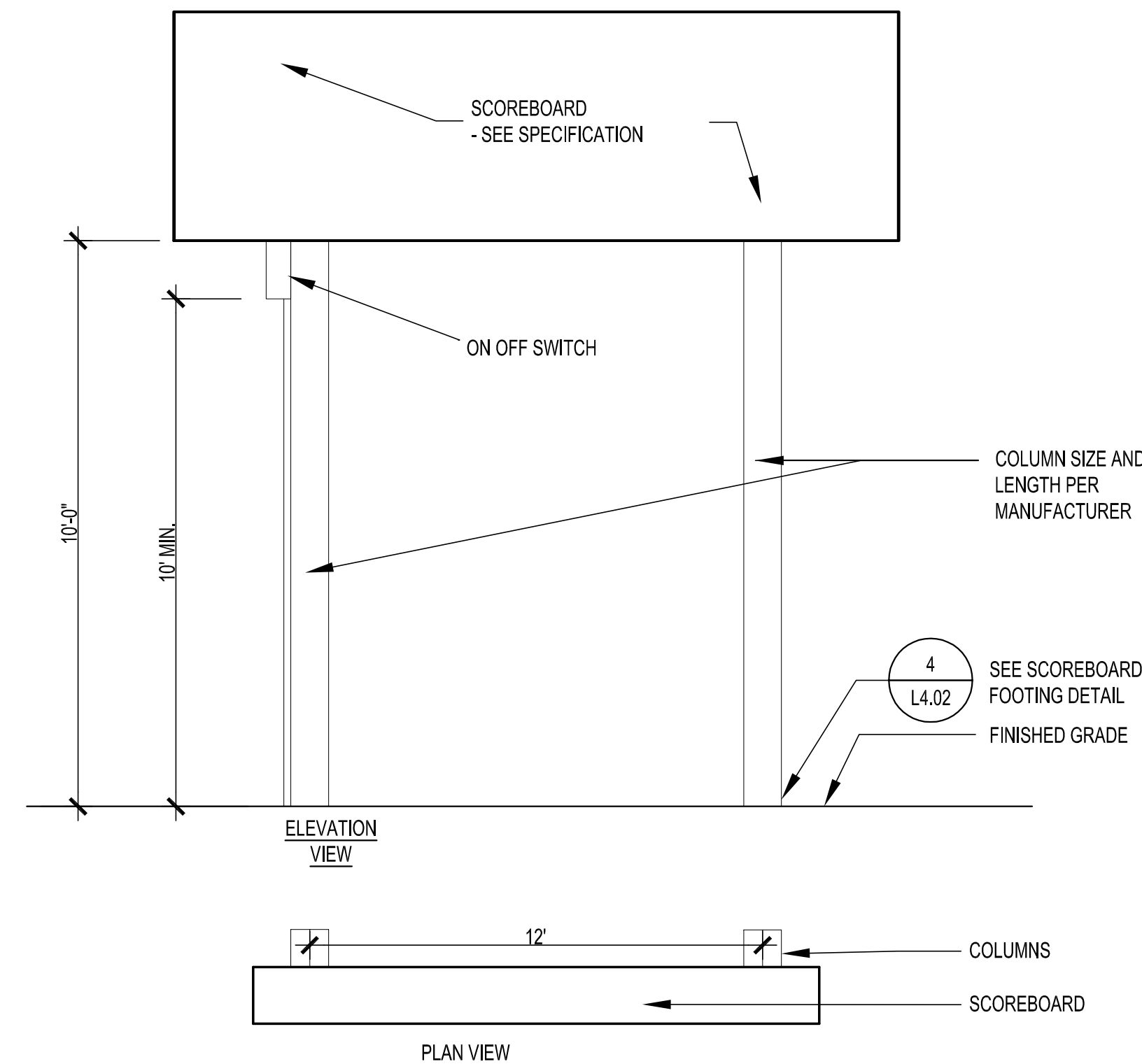
4 SLOT DRAIN IN CONC. ANCHOR CURB - ALT. #7
NOT TO SCALE



5 CONCRETE ANCHOR CURB @ D-ZONE - ALTERNATE # 7
NOT TO SCALE



1 SCOREBOARD FOOTING - ALTERNATE #3 & #4
NOT TO SCALE



2 SCOREBOARD- ALTERNATE #3 & #4
NOT TO SCALE

