

HAMILTON-WENHAM REGIONAL HIGH SCHOOL ATHLETIC CAMPUS IMPROVEMENTS

SITE LOCATION:
HAMILTON-WENHAM
REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA

PREPARED FOR:
HAMILTON-WENHAM REGIONAL
SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA

DRAWING NO SHEET NO TITLE

PERMIT PLAN SET

G001	1 OF 33	COVER SHEET
G002	2 OF 33	NOTES AND LEGEND
C001	3 OF 33	EXISTING CONDITIONS PLAN - SHEET 1 OF 3
C002	4 OF 33	EXISTING CONDITIONS PLAN - SHEET 2 OF 3
C003	5 OF 33	EXISTING CONDITIONS PLAN - SHEET 3 OF 3
C004	6 OF 33	DEMOLITION AND EROSION CONTROL PLAN - SHEET 1 OF 3
C005	7 OF 33	DEMOLITION AND EROSION CONTROL PLAN - SHEET 2 OF 3
C006	8 OF 33	DEMOLITION AND EROSION CONTROL PLAN - SHEET 3 OF 3
C100	9 OF 33	KEY PLAN
C101	10 OF 33	LAYOUT AND MATERIALS PLAN - SHEET 1 OF 3
C102	11 OF 33	LAYOUT AND MATERIALS PLAN - SHEET 2 OF 3
C103	12 OF 33	LAYOUT AND MATERIALS PLAN - SHEET 3 OF 3
C201	13 OF 33	GRADING AND DRAINAGE PLAN - SHEET 1 OF 3
C202	14 OF 33	GRADING AND DRAINAGE PLAN - SHEET 2 OF 3
C203	15 OF 33	GRADING AND DRAINAGE PLAN - SHEET 3 OF 3
C501	16 OF 33	GENERAL DETAILS - SHEET 1 OF 3
C502	17 OF 33	GENERAL DETAILS - SHEET 2 OF 3
C503	18 OF 33	GENERAL DETAILS - SHEET 3 OF 3
C504	19 OF 33	SOFTBALL DETAILS - SHEET 1 OF 4
C505	20 OF 33	SOFTBALL DETAILS - SHEET 2 OF 4
C506	21 OF 33	SOFTBALL DETAILS - SHEET 3 OF 4
C507	22 OF 33	SOFTBALL DETAILS - SHEET 4 OF 4
C508	23 OF 33	MAIN ATHLETIC CAMPUS DETAILS - SHEET 1 OF 11
C509	24 OF 33	MAIN ATHLETIC CAMPUS DETAILS - SHEET 2 OF 11
C510	25 OF 33	MAIN ATHLETIC CAMPUS DETAILS - SHEET 3 OF 11
C511	26 OF 33	MAIN ATHLETIC CAMPUS DETAILS - SHEET 4 OF 11
C512	27 OF 33	MAIN ATHLETIC CAMPUS DETAILS - SHEET 5 OF 11
C513	28 OF 33	MAIN ATHLETIC CAMPUS DETAILS - SHEET 6 OF 11
C514	29 OF 33	MAIN ATHLETIC CAMPUS DETAILS - SHEET 7 OF 11
C515	30 OF 33	MAIN ATHLETIC CAMPUS DETAILS - SHEET 8 OF 11
C516	31 OF 33	MAIN ATHLETIC CAMPUS DETAILS - SHEET 9 OF 11
C517	32 OF 33	MAIN ATHLETIC CAMPUS DETAILS - SHEET 10 OF 11
C518	33 OF 33	MAIN ATHLETIC CAMPUS DETAILS - SHEET 11 OF 11

DEVELOPMENTAL WATERSHED PLAN SHEETS

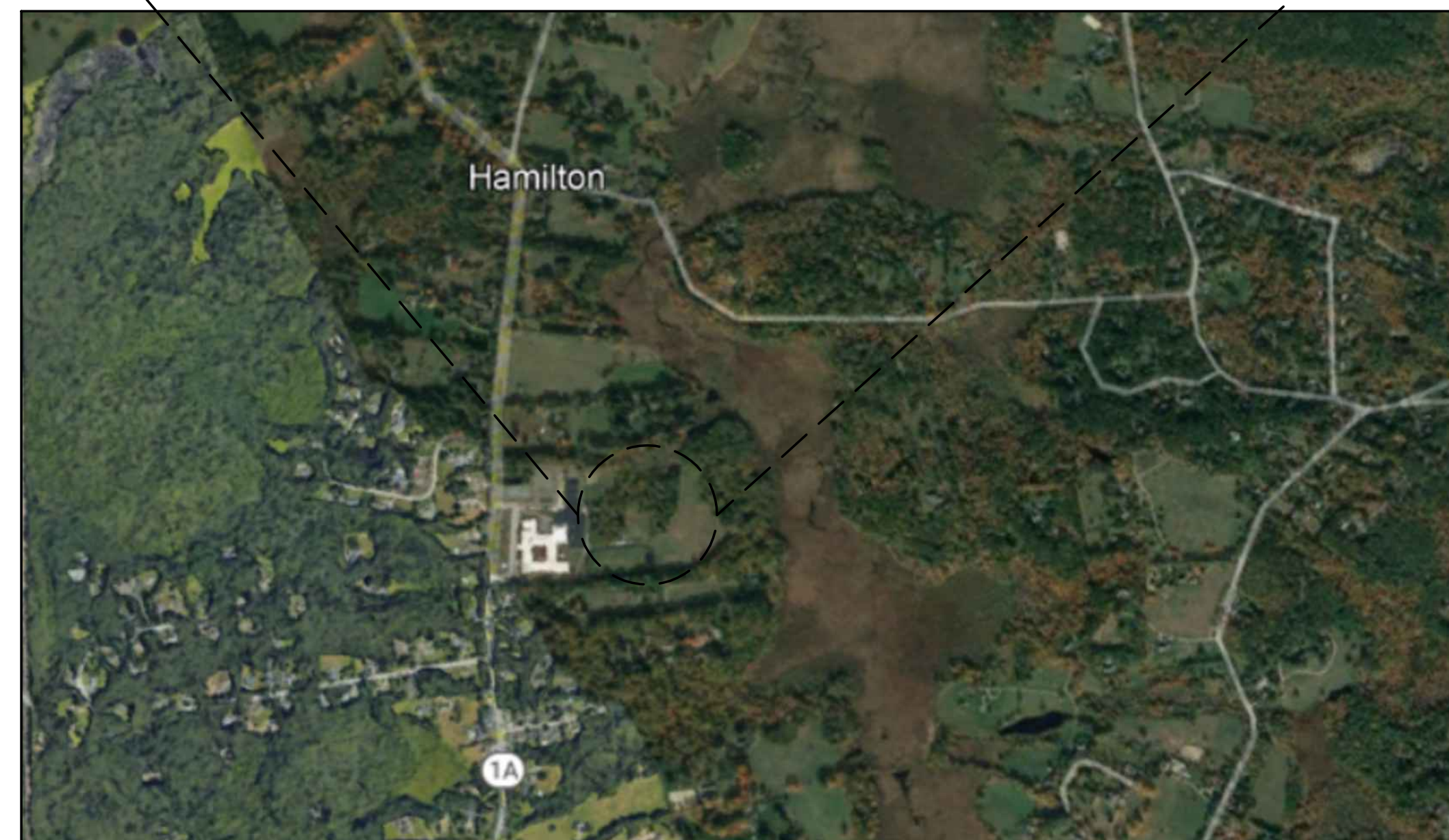
PRE-1	1 OF 6	PRE DEVELOPMENTAL WATERSHED PLAN 1 OF 3
PRE-2	2 OF 6	PRE DEVELOPMENTAL WATERSHED PLAN 2 OF 3
PRE-3	3 OF 6	PRE DEVELOPMENTAL WATERSHED PLAN 3 OF 3
POST-1	4 OF 6	POST DEVELOPMENTAL WATERSHED PLAN 1 OF 3
POST-2	5 OF 6	POST DEVELOPMENTAL WATERSHED PLAN 2 OF 3
POST-3	6 OF 6	POST DEVELOPMENTAL WATERSHED PLAN 3 OF 3

ILLUMINATION SUMMARY PLAN SHEETS

IS1	1 OF 1	OVERALL ILLUMINATION SUMMARY
-----	--------	------------------------------



SITE MAP
NOT TO SCALE



LOCATION MAP
NOT TO SCALE

ENGINEER:
GALE ASSOCIATES INC.
300 LEDGEWOOD PLACE
ROCKLAND, MA 02370
P: 781.335.6465

ELECTRICAL ENGINEER:
VINCENT A. DIORIO, INC
89 ACCESS ROAD SUITE 18
NORWOOD, MA 02062
P: 781.255.9754



Gale Associates, Inc.
Engineers and Planners
163 LIBBEY PARKWAY | WEYMOUTH, MA
02189P 781.335.6465 F 781.335.6467
www.gainc.com
Boston Baltimore Orlando Hartford Bedford

This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2021

PERMIT SET

PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982

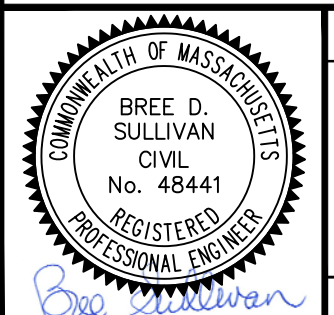
OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_G001		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	-		

GRAPHIC SCALE

SHEET TITLE

COVER SHEET



DRAWING NO.

G001

1 OF 33

DEMOLITION NOTES

- DEMOLITION TO COMPLY WITH GOVERNING EPA NOTIFICATION REGULATIONS BEFORE STARTING SELECTIVE DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
- THE OWNER MAY OCCUPY PORTIONS OF THE BUILDING IMMEDIATELY ADJACENT TO SELECTIVE DEMOLITION AREAS. CONDUCT SELECTIVE DEMOLITION SO THAT OWNERS' OPERATIONS WILL NOT BE DISRUPTED. PROVIDE NOT LESS THAN 72 HOURS NOTICE TO OWNER OF ACTIVITIES (IF ANY) THAT MAY AFFECT THEIR OPERATIONS.
- SURVEY THE CONDITION OF THE SITE TO DETERMINE WHETHER REMOVING ANY ELEMENT MIGHT RESULT IN UNDESIRABLE DAMAGE OF ANY PORTION OF ADJACENT FACILITIES DURING SELECTIVE DEMOLITION.
- MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS.
- CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, PARKING LOTS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
- CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS, FACILITIES, AND SITE IMPROVEMENTS TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND SELECTIVE DEMOLITION AREA.
- USE WATER MIST AND OTHER SUITABLE METHODS TO LIMIT THE SPREAD OF DUST AND DIRT. COMPLY WITH GOVERNING ENVIRONMENTAL PROTECTION REGULATIONS.
- REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
- CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY SELECTIVE DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF SELECTIVE DEMOLITION.
- DEMOLISH AND REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY NEW CONSTRUCTION AND AS INDICATED. CONTRACTOR TO BE RESPONSIBLE FOR ANY CUTTING AND PATCHING THAT IS REQUIRED.
- PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE.
- DO NOT BURN DEMOLISHED MATERIALS.
- TRANSPORT DEMOLISHED MATERIALS OFF OWNER'S PROPERTY AND LEGALLY DISPOSE OF THEM, IF NOT DESIGNATED TO BE SALVAGED BY THE OWNER OR REUSED.
- IN AREAS WHERE BITUMINOUS CONCRETE IS TO BE REMOVED, THE EDGE OF ANY BITUMINOUS CONCRETE TO REMAIN MUST BE A CLEAN SAW-CUT EDGE.

EROSION CONTROL NOTES

- THE CONTRACTOR SHALL FILE A NPDES CONSTRUCTION GENERAL PERMIT AS REQUIRED BY THE EPA AT LEAST 14 DAYS PRIOR TO GROUND BREAKING. NPDES PERMIT AND PLANS SHALL BE KEPT ON SITE FOR REVIEW AT ALL TIMES FOR THE DURATION OF CONSTRUCTION.
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STATE REGULATIONS AND ALL TOWN REGULATIONS AND PERMIT CONDITIONS.
- EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY SITE WORK OR EARTHWORK OPERATIONS, AND SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
- STOCKPILES SHALL BE SURROUNDED ON THEIR PERIMETERS WITH STAKED SILTATION FENCES TO PREVENT AND/OR CONTROL SILTATION AND EROSION. OTHERWISE SPOIL MATERIAL SHALL BE IMMEDIATELY REMOVED FROM THE SITE AND DISPOSED OF LEGALLY AND IN CONFORMANCE TO ALL TOWN REGULATIONS.
- ALL EROSION CONTROL MEASURES SHALL BE ROUTINELY INSPECTED, CLEANED AND REPAIRED OR REPLACED AS NECESSARY THROUGHOUT ALL PHASES OF CONSTRUCTION. IN ADDITION, INSPECTION SHALL TAKE PLACE AFTER EACH RAINFALL EVENT AND BEFORE FORECASTED RAIN.
- ALL SEDIMENTS MUST BE REMOVED PRIOR TO REACHING THE EXISTING DRAINAGE SYSTEMS AND/OR ANY ENVIRONMENTAL RESOURCE AREAS.
- THE CONTRACTOR SHALL KEEP ON SITE AT ALL TIMES EXTRA SILTATION FENCING FOR INSTALLATION AT THE DIRECTION OF THE ENGINEER OR THE OWNER TO MITIGATE ANY EMERGENCY CONDITION.
- THE AREA OR AREAS OF ENTRANCE AND EXIT TO AND FROM THE SITE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED OUTSIDE OF CONSTRUCTION AREA MUST BE REMOVED IMMEDIATELY.
- EROSION CONTROL DEVICES MAY BE ADDED OR REDUCED IN THE FIELD AS DIRECTED BY THE OWNER/ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR REESTABLISHING ANY EROSION CONTROL DEVICE WHICH THEY DISTURB. THE CONTRACTOR SHALL NOTIFY THE OWNER/ENGINEER OF ANY DEFICIENCIES IN THE ESTABLISHED EROSION CONTROL MEASURES WHICH MAY LEAD TO UNAUTHORIZED DISCHARGE OR STORM WATER POLLUTION, SEDIMENTATION OR OTHER POLLUTANTS. UNAUTHORIZED POLLUTANTS INCLUDE, BUT ARE NOT LIMITED TO, EXCESS CONCRETE DUMPING OR CONCRETE RESIDUE, POINTS, SOLVENTS, GREASES, FUEL AND LUBE OIL, PESTICIDES, AND SOLID WASTE MATERIALS.

GRADING NOTES

- ALL GRADING SHALL MEET THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND LOCAL BUILDING AND ACCESSIBILITY CODES. IN GENERAL, GRADING OF SIDEWALKS SHALL NOT EXCEED 2.0% CROSS SLOPE AND 5.0% RUNNING SLOPE. GRADING OF ADA PARKING STALLS AND LOADING ZONES SHALL NOT EXCEED 2.0% IN ANY DIRECTION AND GRADING OF PLAZA AND GATHERING AREAS SHALL NOT EXCEED 2.0% IN ANY DIRECTION. GRADING ON SIDEWALK CURB RAMPS AND OTHER ACCESSIBLE RAMPS SHALL NOT EXCEED 8.0%. ALL AREAS SHALL PROVIDE POSITIVE DRAINAGE AS TO NOT POOL WATER, MINIMUM SLOPES SHALL BE 1.0% UNLESS OTHERWISE NOTED.
- ALL PROPOSED CONTOURS ARE APPROXIMATE. PROPOSED SPOT ELEVATIONS AND DESIGNED GRADIENT ARE TO BE USED IN THE EVENT OF ANY DISCREPANCIES.
- GRADING SHALL BE PERFORMED TO ALLOW WATER TO FLOW AWAY FROM BUILDING STRUCTURES, AND TO NOT ALLOW PUDDLING OF WATER ANYWHERE ON SITE.
- MINOR ADJUSTMENTS TO FINISH GRADE TO ACCOMPLISH DRAINAGE FLOW ARE ACCEPTABLE, IF NECESSARY, UPON PRIOR APPROVAL OF ENGINEER.
- NEW PAVEMENT SHALL BE FLUSH AT ANY JUNCTURE WITH EXISTING PAVEMENT.
- ALL EXCAVATIONS SHOULD BE STABILIZED BY CUTTING BACK SIDE SLOPES OR USING SHORING AND BRACING AS REQUIRED. ALL EXCAVATION AND SHORING SHALL BE DONE IN ACCORDANCE WITH OSHA STANDARDS AND MGL CH. 149 SECT. 129A.
- ANY DEWATERING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DISCHARGE OF SILTY OR OTHERWISE "DIRTY" WATER INTO DRAINAGE SYSTEM OR ANY BODY OF WATER, WETLAND OR RESOURCE AREA SHALL NOT BE PERMITTED.

GENERAL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCH MARKS NECESSARY FOR THE WORK. ALL EXISTING CONTROL POINTS AND BENCHMARKS HAVE BEEN PROVIDED ON THE EXISTING CONDITIONS PLANS. ANY ADDITIONAL CONTROL POINTS SHALL BE ESTABLISHED AND MAINTAINED BY THE CONTRACTOR.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE PLANS, AND CITY STANDARDS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A COPY OF THE CITY STANDARDS AND REGULATIONS FOR USE ON THIS PROJECT.
- BARRICADING, TRAFFIC CONTROL, AND PROJECT SIGNS SHALL CONFORM TO ALL STATE, LOCAL REGULATIONS. AREA ADJACENT TO THE PROJECT SITE WILL BE IN USE DURING CONSTRUCTION AT VARIOUS TIMES. THE CONTRACTOR WILL PROVIDE ADEQUATE CONSTRUCTION FENCING DURING EACH PHASE OF THE PROJECT TO FULLY SECURE THE PROPOSED SITE SUBJECT TO OWNER APPROVAL. THE FENCING MAY NEED ADJUSTMENT AT VARIOUS TIMES WITHOUT CONTRACT MODIFICATION.
- THE GENERAL CONTRACTOR SHALL VERIFY THE SUITABILITY OF ALL EXISTING AND PROPOSED SITE CONDITIONS INCLUDING GRADES AND DIMENSIONS BEFORE COMMENCEMENT OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS AND/OR CONNECTION FEES REQUIRED.
- GENERAL CONTRACTOR SHALL COORDINATE WITH OTHER TRADES AS APPLICABLE INCLUDING BUT NOT LIMITED TO ELECTRICAL, LIGHTING, AND GAS. THE CONTRACTOR ACKNOWLEDGES THAT ANOTHER CONTRACTOR WILL BE UNDER A SEPARATE CONTRACT. THE CONTRACTOR WILL COORDINATE HIS EFFORTS IN GOOD FAITH, AND WORK IN HARMONY WITH THE OTHER CONTRACTOR. NO EXTRA WILL BE AWARDED DUE TO CONFLICTS BETWEEN CONTRACTORS.
- SUBSTITUTIONS AND APPROVAL OF "OR-EQUAL" PRODUCTS IN PLACE OF THOSE SPECIFIED WILL NOT BE ALLOWED WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER OR ENGINEER.

GENERAL UTILITY NOTES

- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AND STRUCTURES AS SHOWN ON THESE PLANS IS BASED ON RECORD PLANS AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY, ANY GOVERNING PERMITTING AUTHORITY, AND "DIGSAFE" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST EXACT FIELD LOCATION OF UTILITIES.
- THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES INTERFERING WITH THE PROPOSED CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLAN.
- TRENCH EXCAVATIONS SHALL BE IN ACCORDANCE WITH ALL PROVISIONS OF OSHA PART 1926, SUBPART P -EXCAVATIONS, TRENCHES AND SHORING OF THE OCCUPATIONAL SAFETY AND HEALTH'S STANDARDS AND NECESSARY TRENCH SAFETY PLANS TO THE ENGINEER AND CITY FOR REVIEW PRIOR TO COMMENCING CONSTRUCTION.
- ALL DRAIN, WATER AND SANITARY SEWER PIPES INSTALLED WITHIN 10 FEET OF THE BUILDING (BY OTHERS) MUST BE PERMITTED AND INSTALLED BY A MASSACHUSETTS LICENSED PLUMBER.
- CONTRACTOR SHALL VERIFY ALL EXISTING INVERTS AND RIM ELEVATIONS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL ADJUST ALL UTILITY CASTINGS TO BE FLUSH WITH PROPOSED GRADE UNLESS OTHERWISE INDICATED ON PLAN.
- THE CONTRACTOR SHALL FIELD COORDINATE WITH THE ELECTRICAL ENGINEER TO DETERMINE EXACT POINT OF SERVICE CONNECTION. REFER TO THE SITE ELECTRICAL DRAWINGS FOR UTILITY SERVICE ENTRANCE LOCATIONS, SIZES, AND CIRCUITING.
- CONTRACTOR SHALL PURGE LIFTING HOLES ON ALL CONCRETE STRUCTURES.

LANDSCAPING NOTES

- ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASE.
- ALL PLANTS MUST BE CONTAINER GROWN OR BALLED AND BURLAPPED.
- ALL TREES MUST BE STRAIGHT-TRUNKED AND FULL-HEADED AND MEET ALL REQUIREMENTS SPECIFIED.
- ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE BEFORE, DURING, AND AFTER INSTALLATION.
- ALL TREES MUST BE GUYED OR STAKED AS SHOWN IN THE DETAILS.
- ALL PLANTING AREAS MUST BE COMPLETELY MULCHED AS SPECIFIED.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) OF THE PLANTING AREAS AND LAWN UNTIL THE WORK IS ACCEPTED IN TOTAL BY THE OWNER.
- THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR BEGINNING ON THE DATE OF TOTAL ACCEPTANCE. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE GUARANTEE PERIOD.
- AFTER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCLIMATED FOR TWO (2) WEEKS UNDER A MIST SYSTEM PRIOR TO INSTALLATION.
- ANY PLANT MATERIAL WHICH DIES, TURNS BROWN, OR DEFOLIATES (PRIOR TO TOTAL ACCEPTANCE OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.
- STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
- ALL SHRUB, GROUND COVER AND SEASONAL COLOR ANNUAL PLANTING BEDS ARE TO BE COMPLETELY COVERED WITH HARDWOOD MULCH TO A MINIMUM DEPTH OF FOUR INCHES.

ABBREVIATIONS

APPROX	APPROXIMATE	MAX	MAXIMUM
BC	BOTTOM OF CURB	MIN	MINIMUM
BCC	BITUMINOUS CONCRETE	NIC	NOT IN CONTRACT
	CURB	NTS	NOT TO SCALE
BIT	BITUMINOUS	PIV	POST INDICATOR VALVE
BLDG	BUILDING	PVC	POLYVINYLCHLORIDE PIPE
BWV	BORDERING VEGETATED WETLAND	RCP	REINFORCED CONCRETE PIPE
BW	BOTTOM OF WALL	SMH	SEWER MANHOLE
CB	CATCH BASIN	TBR&D	TO BE REMOVED AND
CCB	CAPE COD BERM		LEGALLY DISPOSED OF
CLDI	CONCRETE LINED DUCTILE IRON	TC	TOP OF CURB
		TR&P	TO REMAIN AND BE
CMP	CORRUGATED METAL PIPE	TR&S	PROTECTED TO REMOVE AND
CONC	CONCRETE		SALVAGE
COND	CONDUIT	TW	TOP OF WALL
DIA	DIAMETER	TYP	TYPICAL
DIM	DIMENSION	UP	UTILITY POLE
DMH	DRAIN MANHOLE	VCC	VERTICAL CONCRETE CURB
E/T/C	ELECTRIC / TELEPHONE / CABLE	VGC	VERTICAL GRANITE CURB
EMH	ELECTRIC MANHOLE	WG	WATER GATE
EOP	EDGE OF PAVEMENT	WSO	WATER SHUT OFF
EXIST	EXISTING		
FND	FOUND		
GSO	GAS SHUT OFF		
HDPE	HIGH DENSITY POLYETHYLENE		
HH	HANDHOLE		
HYD	HYDRANT		
INV	INVERT ELEVATION		



Gale Associates, Inc. Engineers and Planners

163 LIBBEY PARKWAY | WEYMOUTH, MA 02189P 781.335.6465 F 781.335.6467 www.gainc.com

Boston Baltimore Orlando Hartford Bedford

This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2021

PERMIT SET

PROJECT: ATHLETIC CAMPUS IMPROVEMENTS HAMILTON-WENHAM REGIONAL HIGH SCHOOL HAMILTON-WENHAM REGIONAL HIGH SCHOOL 775 BAY ROAD SOUTH HAMILTON, MA 01982

OWNER: HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT 5 SCHOOL STREET WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_G001		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	-		

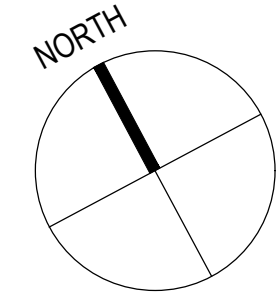
GRAPHIC SCALE

SHEET TITLE

NOTES AND LEGEND

DRAWING NO.

G002



Gale Associates, Inc.
Engineers and Planners
163 LIBBEY PARKWAY | WEYMOUTH, MA
02189P 781.335.6465 F 781.335.6467
www.gainc.com
Boston Baltimore Orlando Hartford Bedford

This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2021

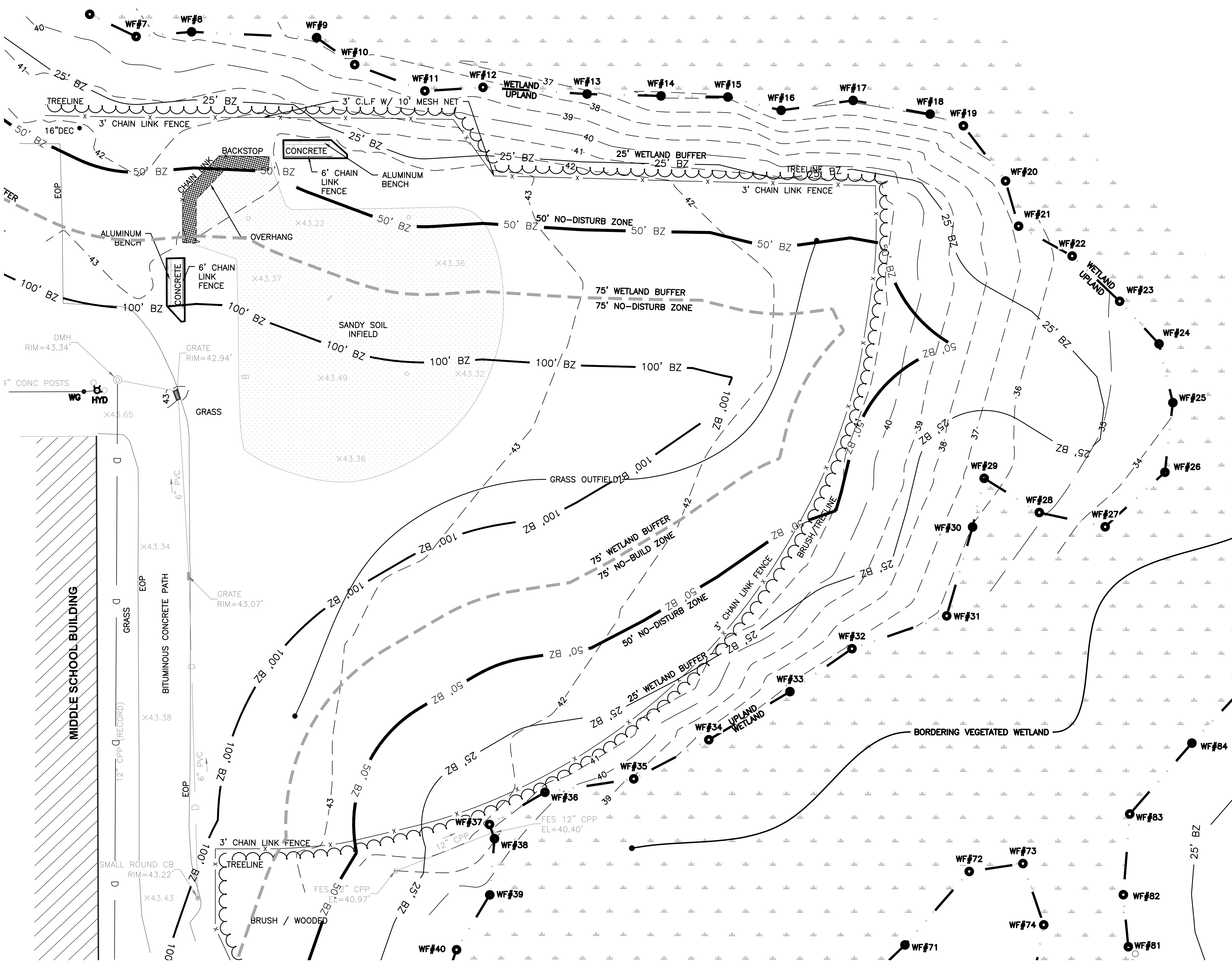
PERMIT SET

PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982

OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

EXISTING CONDITIONS NOTES:

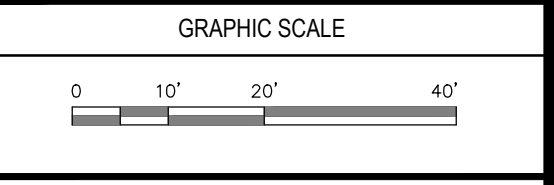
1. THE EXISTING CONDITIONS SHOWN HEREON IS THE RESULT OF A PARTIAL FIELD SURVEY CONDUCTED BY BAYSIDE ENGINEERING IN DECEMBER 2021. GALE DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THIS SURVEY.
2. NO PROPERTY LINES OR EASEMENTS HAVE BEEN LOCATED FOR THIS SURVEY.
3. HORIZONTAL AND VERTICAL DATUM ARE BASED ON MASS. STATE PLANE (NAD83/NACD88) AS PROVIDED BY MaCORS AND THE MASSACHUSETTS D.O.T.
4. WETLAND FLAGS SHOWN HEREON WERE DELINEATED AND PLACED BY LEC ENVIRONMENTAL CONSULTANTS, INC. IN NOVEMBER 2021.
5. WETLANDS FLAGS SHOWN HEREON WERE SURVEY LOCATED BY BAYSIDE ENGINEERING IN DECEMBER 2021.



LEGEND

- X CHAIN LINK FENCE (CLF)
- BACKSTOP FENCING
- POST AND ROPE FENCE
- EDGE OF PAVEMENT
- [Stippled] LIMITS OF CLAY
- [Dotted] LIMITS OF CONCRETE
- [Cross-hatched] LIMITS OF LATEX TRACK SURFACING
- [Horizontal lines] LIMITS OF BITUMINOUS PAVEMENT SIDEWALK
- 100 MAJOR CONTOUR
- 99 MINOR CONTOUR
- WF#81 WETLAND FLAG LINE
- WETLAND FLAG LOCATION
- 50' NO DISTURB ZONE
- 75' NO BUILD ZONE
- 100' WETLAND BUFFER
- E ELECTRIC LINE (PLAN)
- IRR IRRIGATION LINE (PLAN)
- D PVC DRAIN LINE (PLAN)
- DRAIN LINES
- TREE LINE
- IRRIGATION CONTROL VALVE (ICV)
- BOLLARD
- UTILITY POLE
- SURVEY TRAVERSE POINT
- WATER GATE
- FIRE HYDRANT
- TP-1 TEST PIT LOCATION
- B-1 BORING LOCATION
- TREE

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C001		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	1" = 20'		



SHEET TITLE

EXISTING CONDITIONS (SOFTBALL FIELD)
SHEET 1 OF 3

DRAWING NO.	C001
3 OF 33	

E
D
C
B
A

LEGEND

X	CHAIN LINK FENCE (CLF)
○	BACKSTOP FENCING
—	POST AND ROPE FENCE
▨	EDGE OF PAVEMENT
▨	LIMITS OF CLAY
▨	LIMITS OF CONCRETE
▨	LIMITS OF LATEX TRACK SURFACING
▨	LIMITS OF BITUMINOUS PAVEMENT SIDEWALK
100	MAJOR CONTOUR
99	MINOR CONTOUR
WF#81	WETLAND FLAG LOCATION
—	50' NO DISTURB ZONE
—	75' NO BUILD ZONE
—	100' WETLAND BUFFER
E	ELECTRIC LINE (PLAN)
IRR	IRRIGATION LINE (PLAN)
D	PVC DRAIN LINE (PLAN)
—	DRAIN LINES
—	TREE LINE
—	IRRIGATION CONTROL VALVE (ICV)
○	BOLLARD
○	UTILITY POLE
○	SURVEY TRAVERSE POINT
○	WATER GATE
○	FIRE HYDRANT
○	TEST PIT LOCATION
○	BORING LOCATION
○	TREE

- EXISTING CONDITIONS NOTES:**
1. THE EXISTING CONDITIONS SHOWN HEREON IS THE RESULT OF TWO PARTIAL FIELD SURVEYS. ONE WAS CONDUCTED BY GALE ASSOCIATES IN AUGUST 2016. THE OTHER WAS CONDUCTED BY BAYSIDE ENGINEERING IN DECEMBER 2021. GALE DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THIS SURVEY.
 2. NO PROPERTY LINES OR EASEMENTS HAVE BEEN LOCATED FOR THIS SURVEY.
 3. WETLAND FLAGS SHOWN HEREON WERE DELINEATED AND PLACED BY LEC ENVIRONMENTAL CONSULTANTS, INC. IN NOVEMBER 2021.
 4. WETLANDS FLAGS SHOWN HEREON WERE SURVEY LOCATED BY BAYSIDE ENGINEERING IN DECEMBER 2021.

GALE
 Gale Associates, Inc.
 Engineers and Planners
 163 LIBBEY PARKWAY | WEYMOUTH, MA
 02189P 781.335.6465 F 781.335.6467
 www.gainc.com
 Boston Baltimore Orlando Hartford Bedford

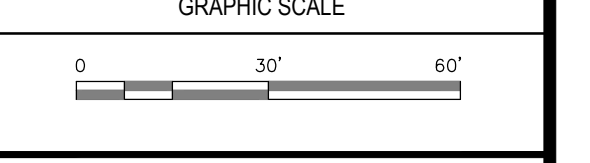
This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2021

PERMIT SET

PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
 775 BAY ROAD
 SOUTH HAMILTON, MA 01982

OWNER
 HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
 5 SCHOOL STREET
 WENHAM, MA 01984

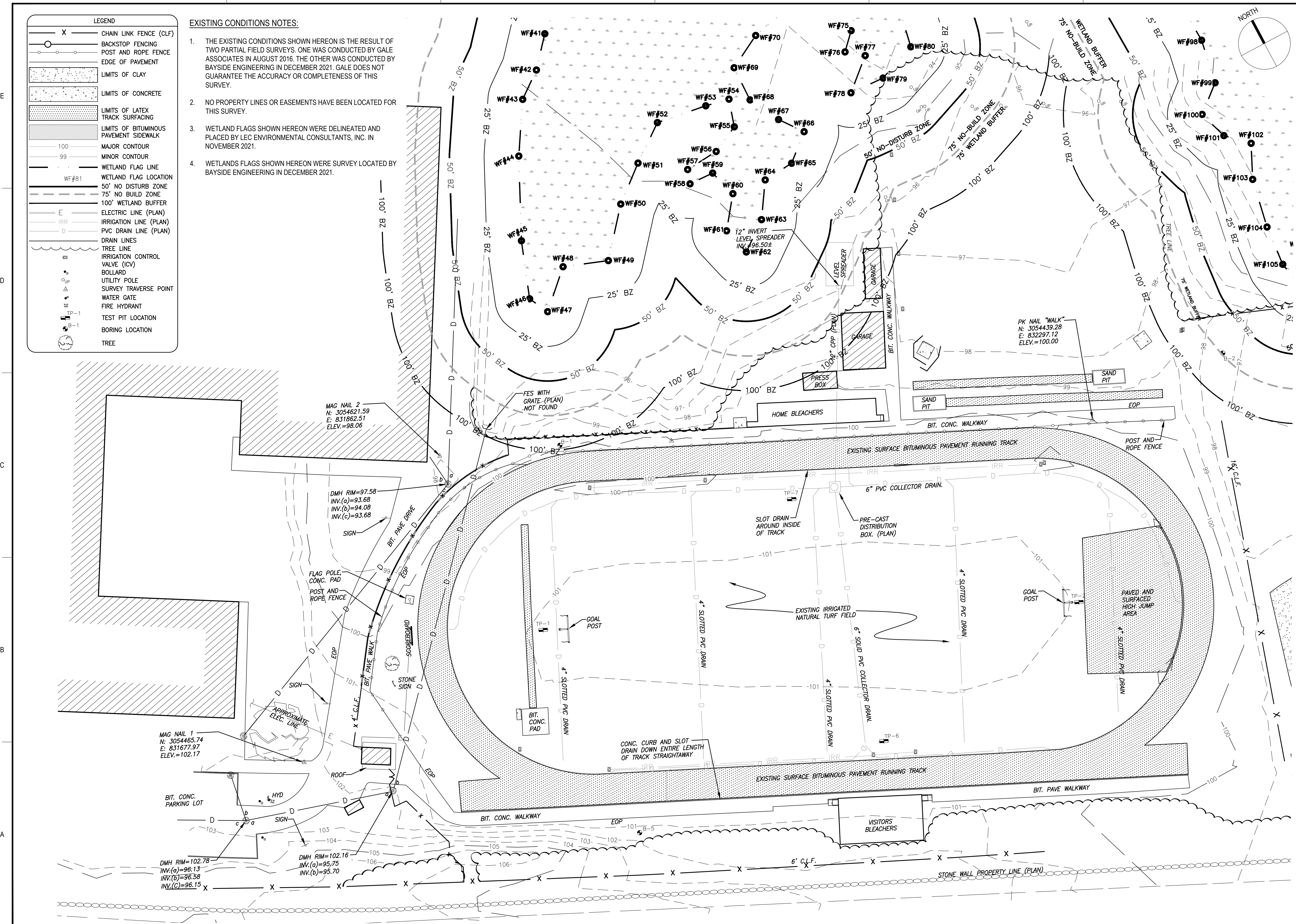
NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C001		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	1" = 30'		

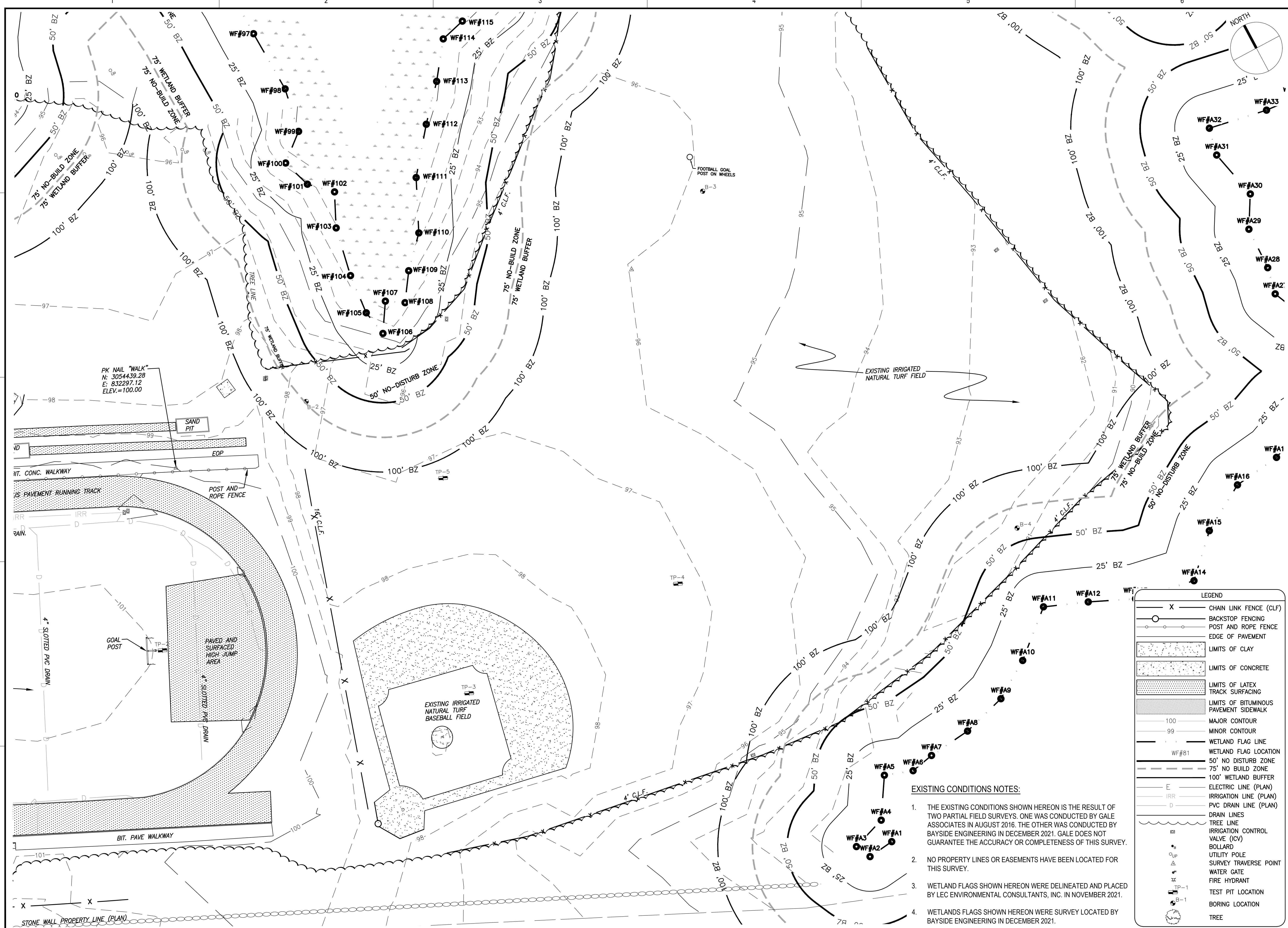


SHEET TITLE

EXISTING CONDITIONS
SHEET 2 OF 3

DRAWING NO.
C002
 4 OF 33





GALE
 Gale Associates, Inc.
 Engineers and Planners
 163 LIBBEY PARKWAY | WEYMOUTH, MA
 02189P 781.335.6465 F 781.335.6467
 www.gainc.com
 Boston Baltimore Orlando Hartford Bedford

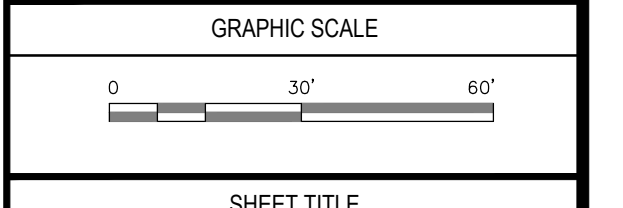
This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright © 2021

PERMIT SET

PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982

OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C001		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	1" = 30'		



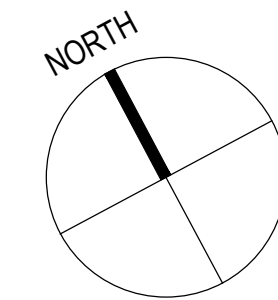
SHEET TITLE
EXISTING CONDITIONS
SHEET 3 OF 3

DRAWING NO.
C003
 5 OF 33

LEGEND

- X CHAIN LINK FENCE (CLF)
- BACKSTOP FENCING
- POST AND ROPE FENCE
- EDGE OF PAVEMENT
- [Stippled] LIMITS OF CLAY
- [Dotted] LIMITS OF CONCRETE
- [Cross-hatched] LIMITS OF LATEX TRACK SURFACING
- [Horizontal lines] LIMITS OF BITUMINOUS PAVEMENT SIDEWALK
- 100 MAJOR CONTOUR
- 99 MINOR CONTOUR
- WETLAND FLAG LINE
- WF#81 WETLAND FLAG LOCATION
- 50' NO DISTURB ZONE
- 75' NO BUILD ZONE
- 100' WETLAND BUFFER
- E ELECTRIC LINE (PLAN)
- IRR IRRIGATION LINE (PLAN)
- D PVC DRAIN LINE (PLAN)
- DRAIN LINES
- TREE LINE
- IRRIGATION CONTROL VALVE (ICV)
- BOLLARD
- UTILITY POLE
- SURVEY TRAVERSE POINT
- WATER GATE
- FIRE HYDRANT
- TP-1 TEST PIT LOCATION
- B-1 BORING LOCATION
- TREE

- EXISTING CONDITIONS NOTES:**
- THE EXISTING CONDITIONS SHOWN HEREON IS THE RESULT OF TWO PARTIAL FIELD SURVEYS. ONE WAS CONDUCTED BY GALE ASSOCIATES IN AUGUST 2016. THE OTHER WAS CONDUCTED BY BAYSIDE ENGINEERING IN DECEMBER 2021. GALE DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THIS SURVEY.
 - NO PROPERTY LINES OR EASEMENTS HAVE BEEN LOCATED FOR THIS SURVEY.
 - WETLAND FLAGS SHOWN HEREON WERE DELINEATED AND PLACED BY LEC ENVIRONMENTAL CONSULTANTS, INC. IN NOVEMBER 2021.
 - WETLANDS FLAGS SHOWN HEREON WERE SURVEY LOCATED BY BAYSIDE ENGINEERING IN DECEMBER 2021.



Gale Associates, Inc.
Engineers and Planners
163 LIBBEY PARKWAY | WEYMOUTH, MA
02189P 781.335.6465 F 781.335.6467
www.gainc.com
Boston Baltimore Orlando Hartford Bedford

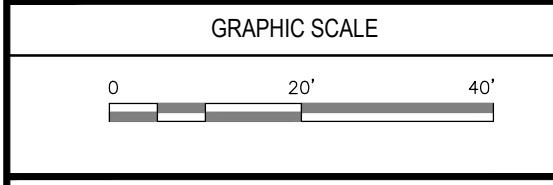
This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright © 2021

PERMIT SET

PROJECT
**ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982**

OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C004		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	1" = 20'		

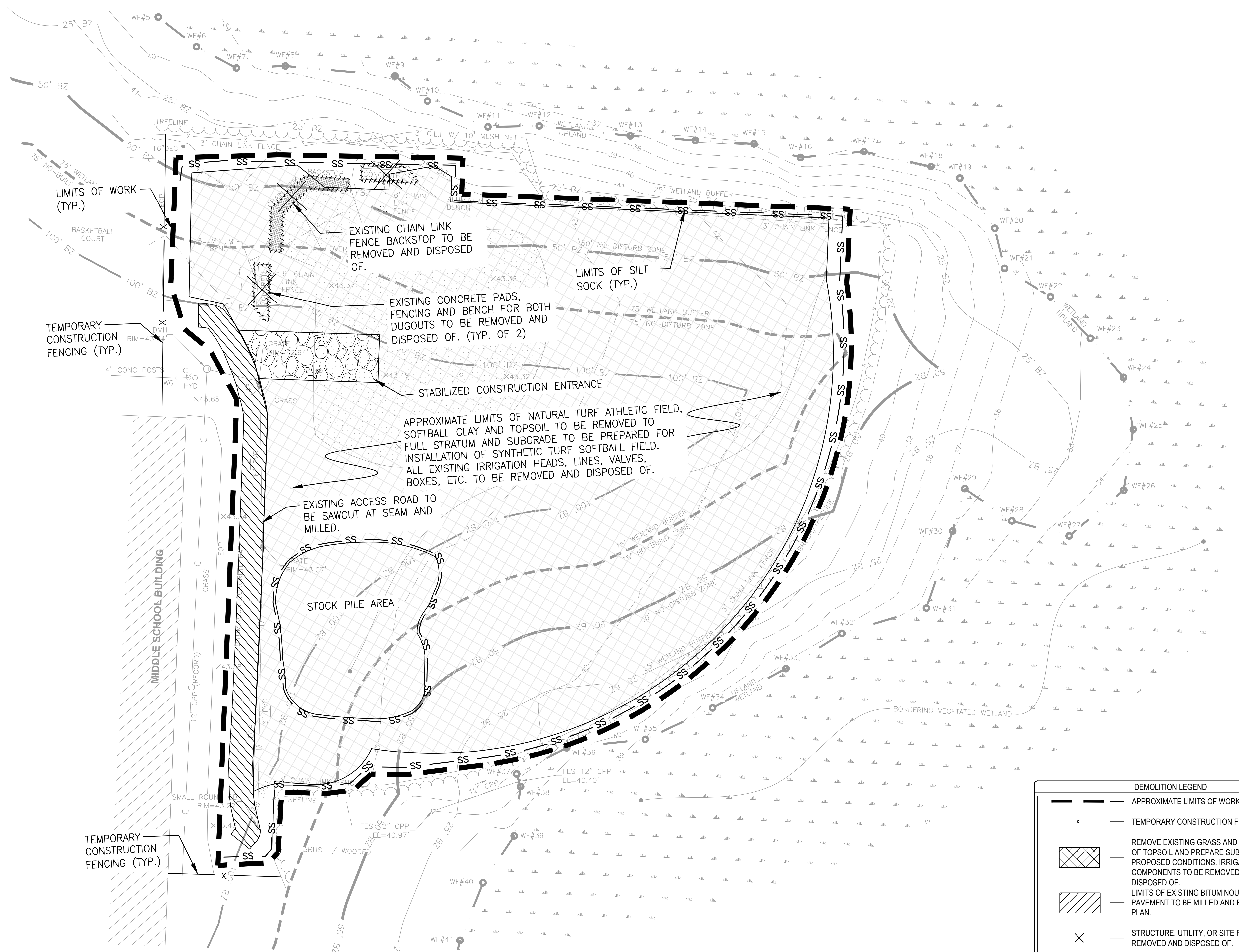


SHEET TITLE

**DEMOLITION AND
EROSION CONTROL
SHEET 1 OF 3**

DRAWING NO.

C004



DEMOLITION LEGEND

- APPROXIMATE LIMITS OF WORK
- TEMPORARY CONSTRUCTION FENCING
- REMOVE EXISTING GRASS AND FULL DEPTH OF TOPSOIL AND PREPARE SUBBASE FOR PROPOSED CONDITIONS. IRRIGATION COMPONENTS TO BE REMOVED AND DISPOSED OF. LIMITS OF EXISTING BITUMINOUS CONCRETE PAVEMENT TO BE MILLED AND REPLACED PER PLAN.
- STRUCTURE, UTILITY, OR SITE FEATURE TO BE REMOVED AND DISPOSED OF.
- FENCING, CURBING, STONE OR DRAINAGE PIPES TO BE REMOVED AND DISPOSED OF.
- APPROXIMATE LIMITS OF SILT-SOCK



Gale Associates, Inc.
 Engineers and Planners
 163 LIBBEY PARKWAY | WEYMOUTH, MA
 02189P 781.335.6465 F 781.335.6467
 www.gainc.com
 Boston Baltimore Orlando Hartford Bedford

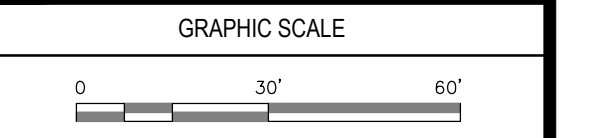
This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2021

PERMIT SET

PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982

OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

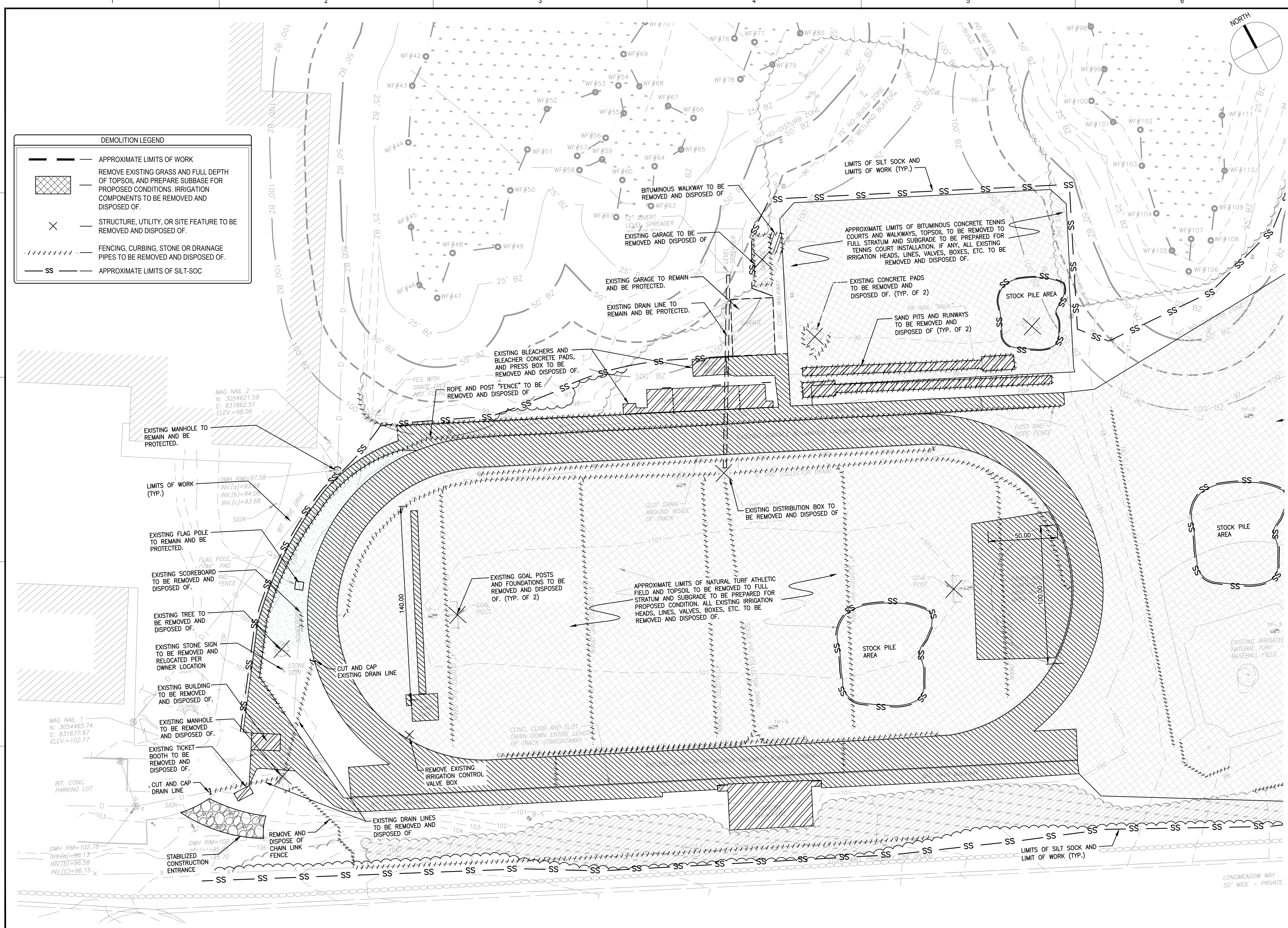
NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C004		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	1" = 30'		



SHEET TITLE
DEMOLITION AND EROSION CONTROL
SHEET 2 OF 3

DRAWING NO.

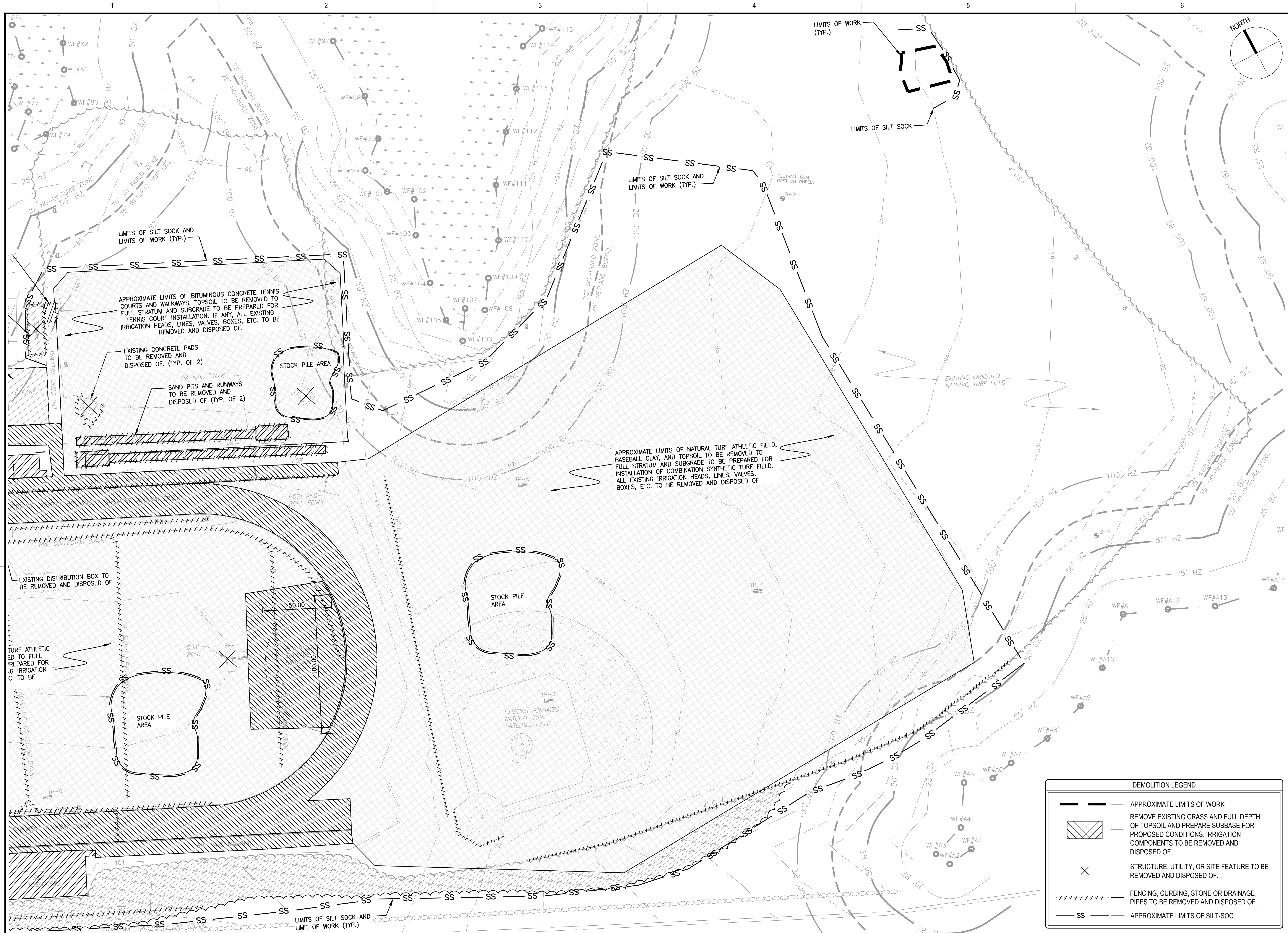
C005



DEMOLITION LEGEND

- APPROXIMATE LIMITS OF WORK
- REMOVE EXISTING GRASS AND FULL DEPTH OF TOPSOIL AND PREPARE SUBBASE FOR PROPOSED CONDITIONS. IRRIGATION COMPONENTS TO BE REMOVED AND DISPOSED OF.
- STRUCTURE, UTILITY, OR SITE FEATURE TO BE REMOVED AND DISPOSED OF.
- FENCING, CURBING, STONE OR DRAINAGE PIPES TO BE REMOVED AND DISPOSED OF.
- APPROXIMATE LIMITS OF SILT-SOCK

LONGMEADOW WAY
 50' WIDE - PRIVATE



GALE
 Gale Associates, Inc.
 Engineers and Planners
 163 LIBBEY PARKWAY | WEYMOUTH, MA
 02189P 781.335.6465 F 781.335.6467
 www.gainc.com
 Boston Baltimore Orlando Hartford Bedford

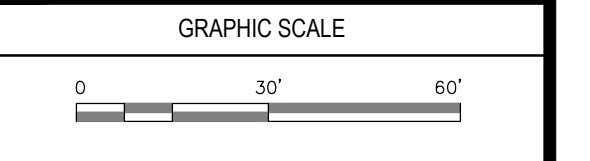
This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright © 2021

PERMIT SET

PROJECT
**ATHLETIC CAMPUS IMPROVEMENTS
 HAMILTON-WENHAM REGIONAL HIGH SCHOOL**

OWNER
**HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
 5 SCHOOL STREET
 WENHAM, MA 01984**

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C004		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	1" = 30'		

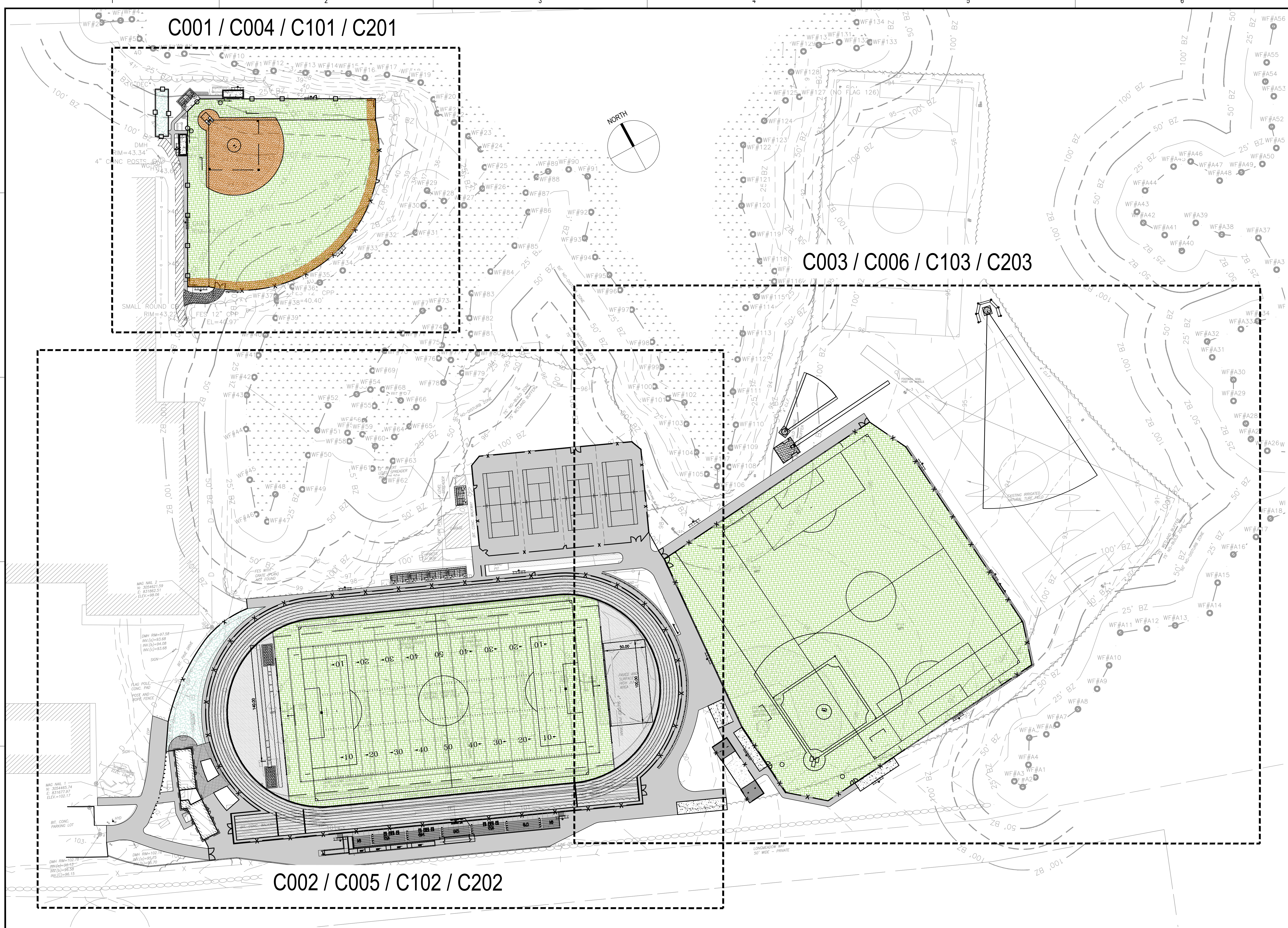


DEMOLITION LEGEND

	APPROXIMATE LIMITS OF WORK
	REMOVE EXISTING GRASS AND FULL DEPTH OF TOPSOIL AND PREPARE SUBBASE FOR PROPOSED CONDITIONS. IRRIGATION COMPONENTS TO BE REMOVED AND DISPOSED OF.
	STRUCTURE, UTILITY, OR SITE FEATURE TO BE REMOVED AND DISPOSED OF.
	FENCING, CURBING, STONE OR DRAINAGE PIPES TO BE REMOVED AND DISPOSED OF.
	APPROXIMATE LIMITS OF SILT-SOCK

**DEMOLITION AND
 EROSION CONTROL
 SHEET 3 OF 3**

DRAWING NO.
C006
 8 OF 33



GALE
 Gale Associates, Inc.
 Engineers and Planners
 163 LIBBEY PARKWAY | WEYMOUTH, MA
 02189P 781.335.6465 F 781.335.6467
 www.gainc.com
 Boston Baltimore Orlando Hartford Bedford

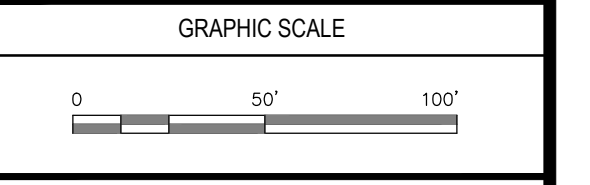
This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2021

PERMIT SET

PROJECT
 ATHLETIC CAMPUS IMPROVEMENTS
 HAMILTON-WENHAM REGIONAL HIGH SCHOOL
 775 BAY ROAD
 SOUTH HAMILTON, MA 01982

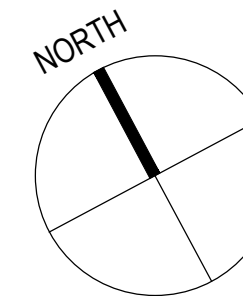
OWNER
 HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
 5 SCHOOL STREET
 WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C101		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	1" = 50'		



SHEET TITLE
KEY PLAN

DRAWING NO.
C100
 9 OF 33



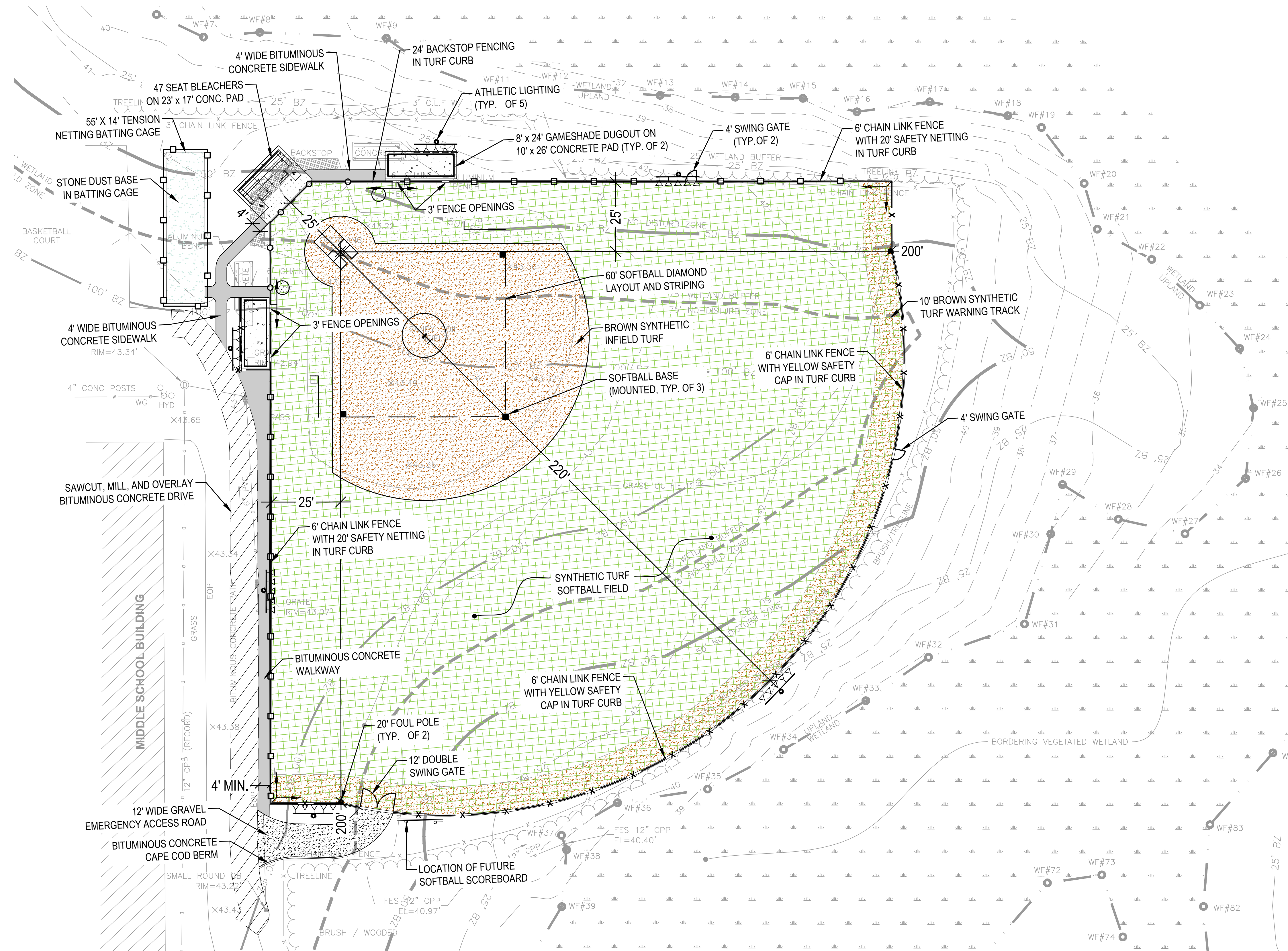
Gale Associates, Inc.
 Engineers and Planners
 163 LIBBEY PARKWAY | WEYMOUTH, MA
 02189P 781.335.6465 F 781.335.6467
 www.gainc.com
 Boston Baltimore Orlando Hartford Bedford

This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright © 2021

PERMIT SET

PROJECT
**ATHLETIC CAMPUS IMPROVEMENTS
 HAMILTON-WENHAM REGIONAL HIGH SCHOOL
 775 BAY ROAD
 SOUTH HAMILTON, MA 01982**

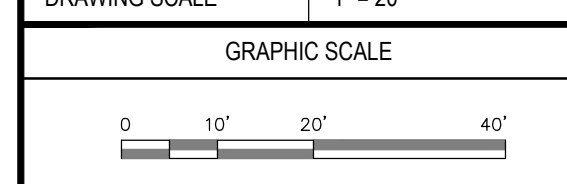
OWNER
 HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
 5 SCHOOL STREET
 WENHAM, MA 01984



LAYOUT AND MATERIALS LEGEND

- BITUMINOUS PAVEMENT
- MILL & OVERLAY AREA
- GRAVEL ACCESS ROAD
- CONCRETE PAD
- SYNTHETIC TURF FIELD
- BROWN SYNTHETIC TURF
- LED ATHLETIC LIGHTING
- 4' SINGLE LEAF SWING GATE
- 12' DOUBLE LEAF SWING GATE
- 6' CHAIN LINK FENCE
- 24' SOFTBALL BACKSTOP
- 20' SAFETY NETTING W/ 6' CHAIN LINK FENCE
- BIT. CONC. SAWCUT
- CHANGE IN FENCE TYPE
- FOUL POLE
- CONCRETE TURF CURB

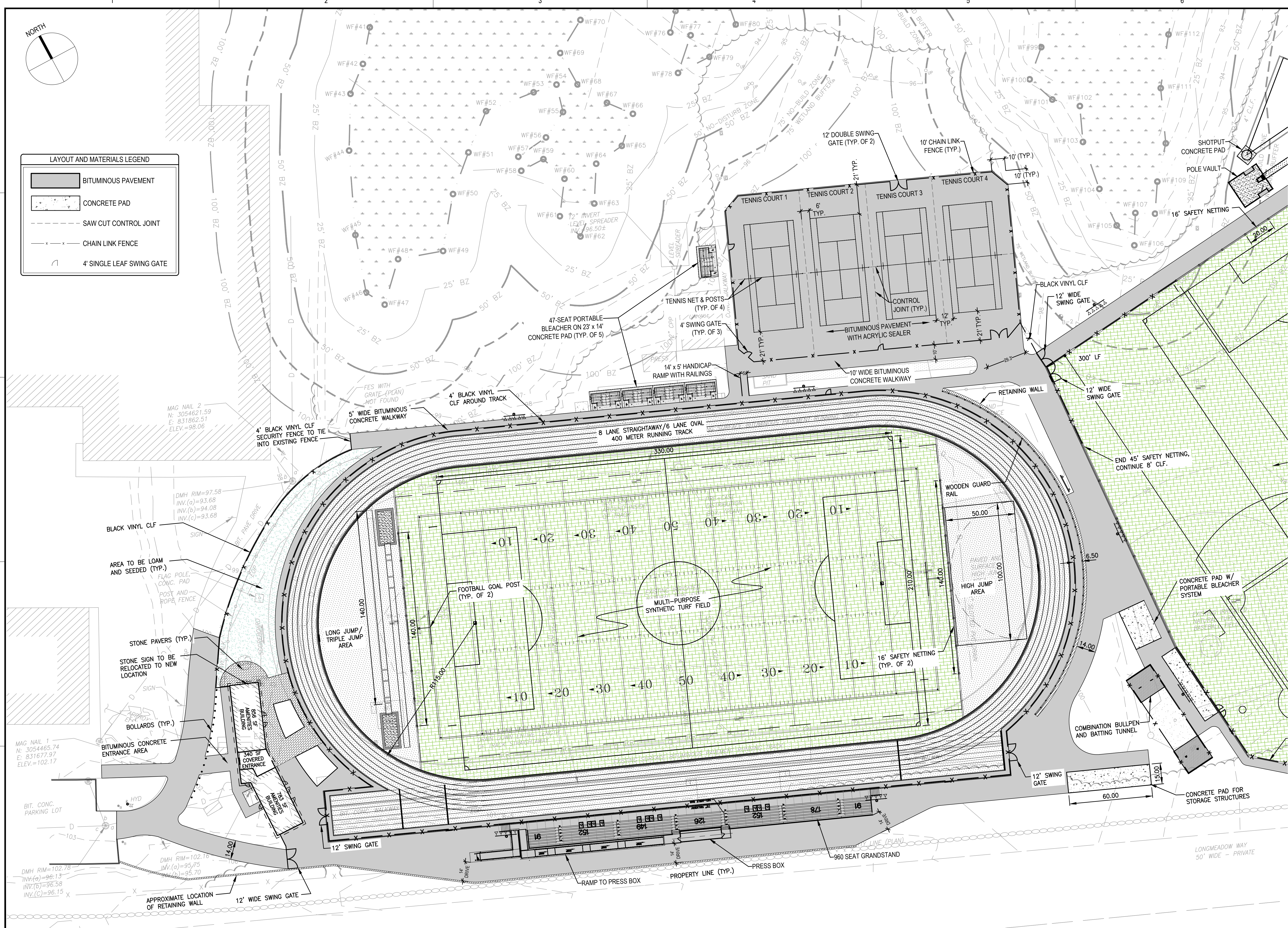
NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C101		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	1" = 20'		



SHEET TITLE

**LAYOUT AND MATERIALS PLAN
 SHEET 1 OF 3**

DRAWING NO.	C101
10 OF 33	



LAYOUT AND MATERIALS LEGEND

	BITUMINOUS PAVEMENT
	CONCRETE PAD
	SAW CUT CONTROL JOINT
	CHAIN LINK FENCE
	4' SINGLE LEAF SWING GATE

GALE
 Gale Associates, Inc.
 Engineers and Planners
 163 LIBBEY PARKWAY | WEYMOUTH, MA
 02189P 781.335.6465 F 781.335.6467
 www.gainc.com
 Boston Baltimore Orlando Hartford Bedford

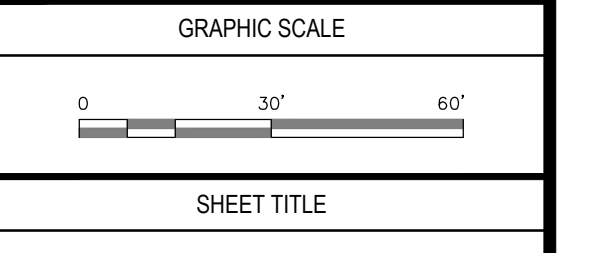
This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright © 2021

PERMIT SET

PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982

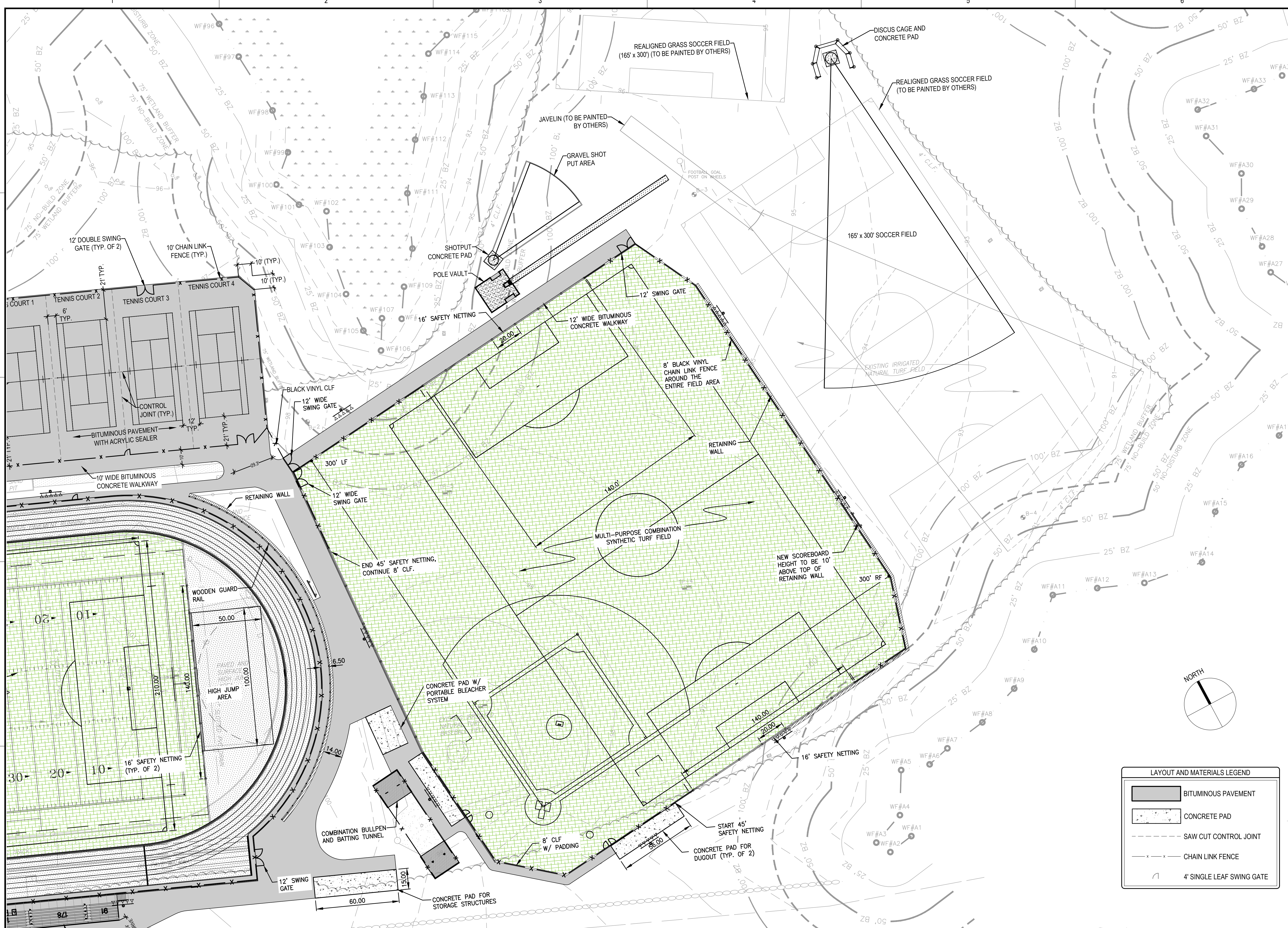
OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C101		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	1" = 30'		



LAYOUT AND MATERIALS PLAN
 SHEET 2 OF 3

DRAWING NO.
C102
 11 OF 33



GALE
 Gale Associates, Inc.
 Engineers and Planners
 163 LIBBEY PARKWAY | WEYMOUTH, MA
 02189P 781.335.6465 F 781.335.6467
 www.gainc.com
 Boston Baltimore Orlando Hartford Bedford

This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2021

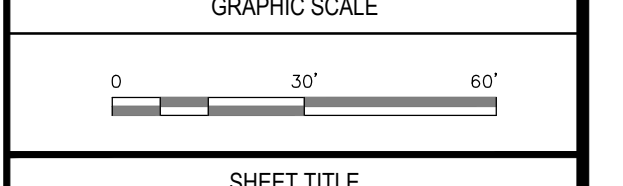
PERMIT SET

PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982

OWNER
 HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
 5 SCHOOL STREET
 WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY

PROJECT NO.	718600
CADD FILE	718600_C101
DESIGNED BY	MSK
DRAWN BY	MSK
CHECKED BY	KDH
DATE	11/16/2023
DRAWING SCALE	1" = 30'



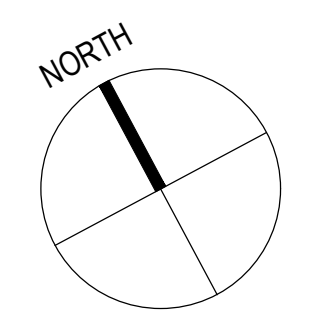
SHEET TITLE

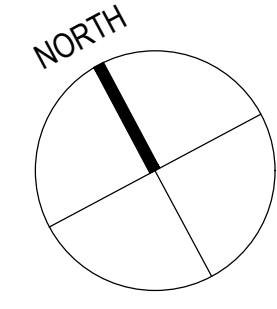
LAYOUT AND MATERIALS PLAN
 SHEET 3 OF 3

DRAWING NO.
C103
 12 OF 33

LAYOUT AND MATERIALS LEGEND

	BITUMINOUS PAVEMENT
	CONCRETE PAD
	SAW CUT CONTROL JOINT
	CHAIN LINK FENCE
	4' SINGLE LEAF SWING GATE





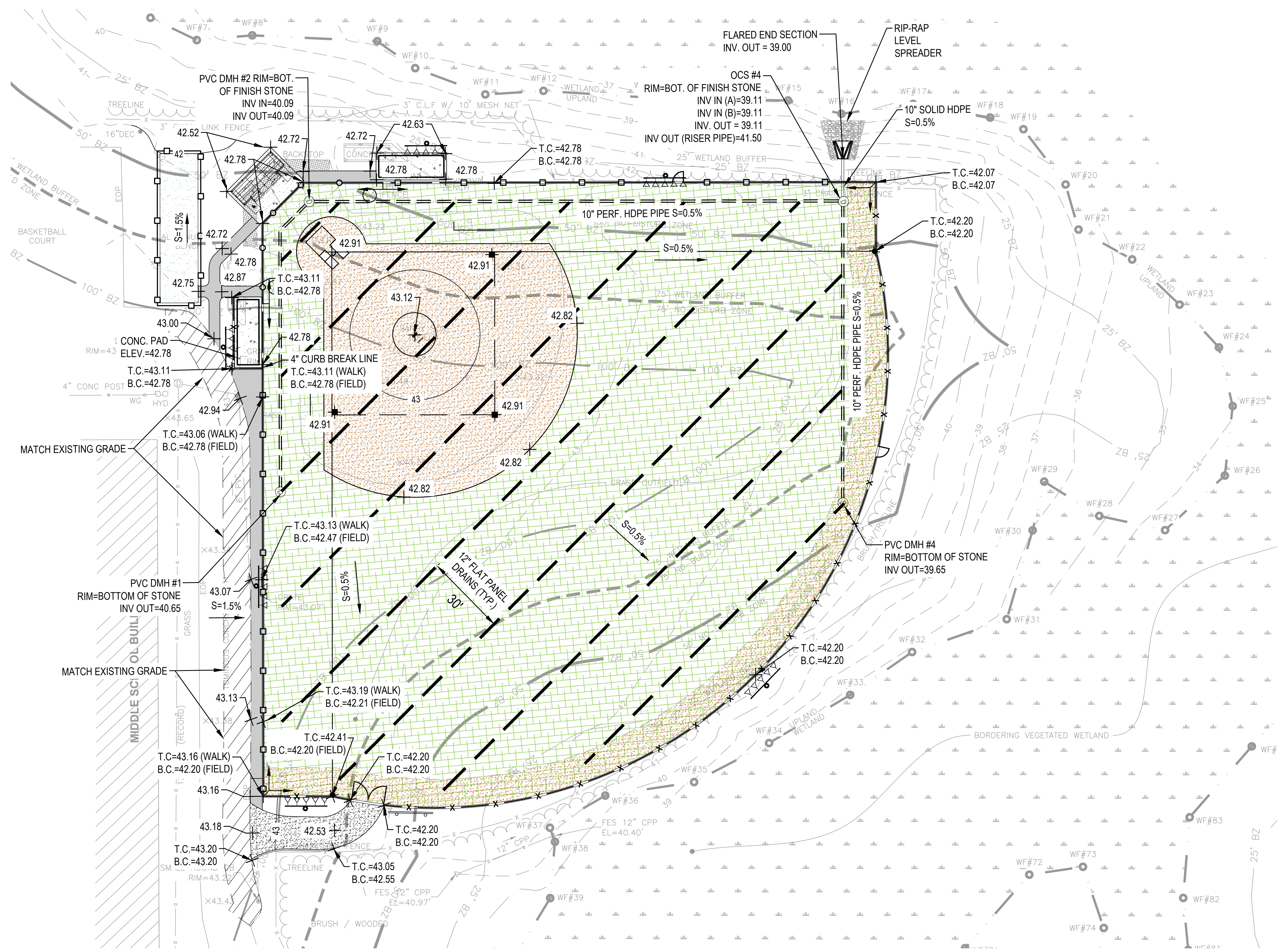
Gale Associates, Inc.
Engineers and Planners
163 LIBBEY PARKWAY | WEYMOUTH, MA
02189P 781.335.6465 F 781.335.6467
www.gainc.com
Boston Baltimore Orlando Hartford Bedford

This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright © 2021

PERMIT SET

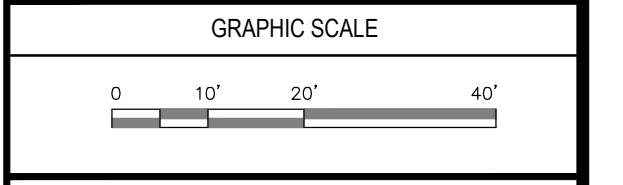
PROJECT
**ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982**

OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984



S=1.0%	PERCENT SLOPE / DIRECTION
X110.00	SPOT ELEVATION
————	SOLID HDPE PIPE
====	PERFORATED HDPE PIPE
-----	FLAT PANEL DRAIN
—110—	PROPOSED CONTOUR
⊙	PVC / PRECAST DRAIN MANHOLE
▲	PROPOSED FLARED END SECTION

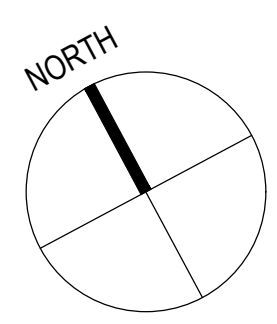
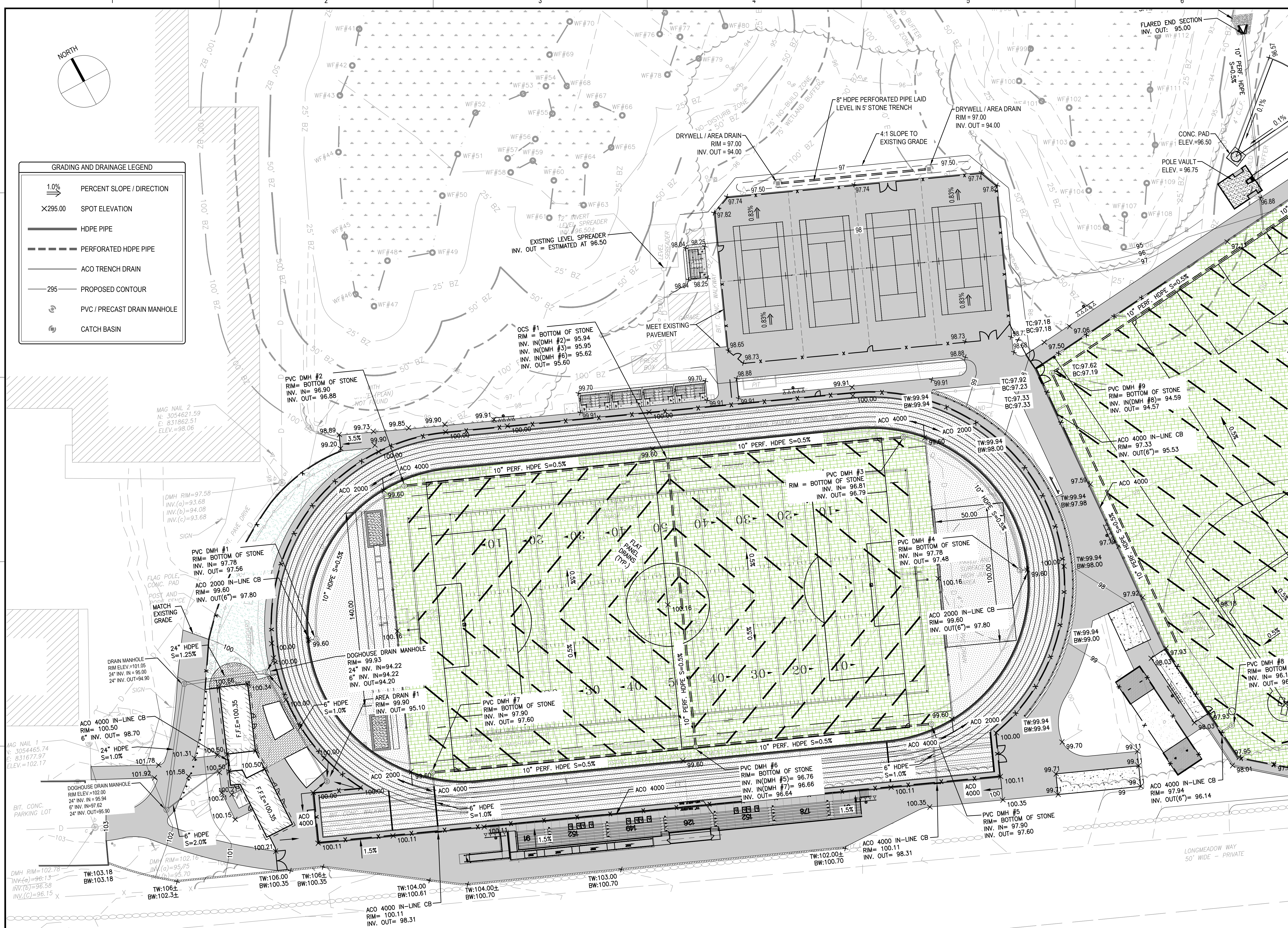
NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C201		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	1" = 20'		



SHEET TITLE

GRADING AND DRAINAGE PLAN
SHEET 1 OF 3

DRAWING NO.	C201
13 OF 33	



GRADING AND DRAINAGE LEGEND

1.0%	PERCENT SLOPE / DIRECTION
X295.00	SPOT ELEVATION
————	HDPE PIPE
=====	PERFORATED HDPE PIPE
————	ACO TRENCH DRAIN
—295—	PROPOSED CONTOUR
⊙	PVC / PRECAST DRAIN MANHOLE
⊕	CATCH BASIN



Gale Associates, Inc.
 Engineers and Planners
 163 LIBBEY PARKWAY | WEYMOUTH, MA
 02189P 781.335.6465 F 781.335.6467
 www.gainc.com
 Boston Baltimore Orlando Hartford Bedford

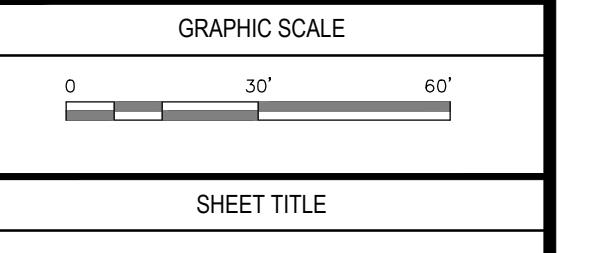
This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright © 2021

PERMIT SET

PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982

OWNER
 HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
 5 SCHOOL STREET
 WENHAM, MA 01984

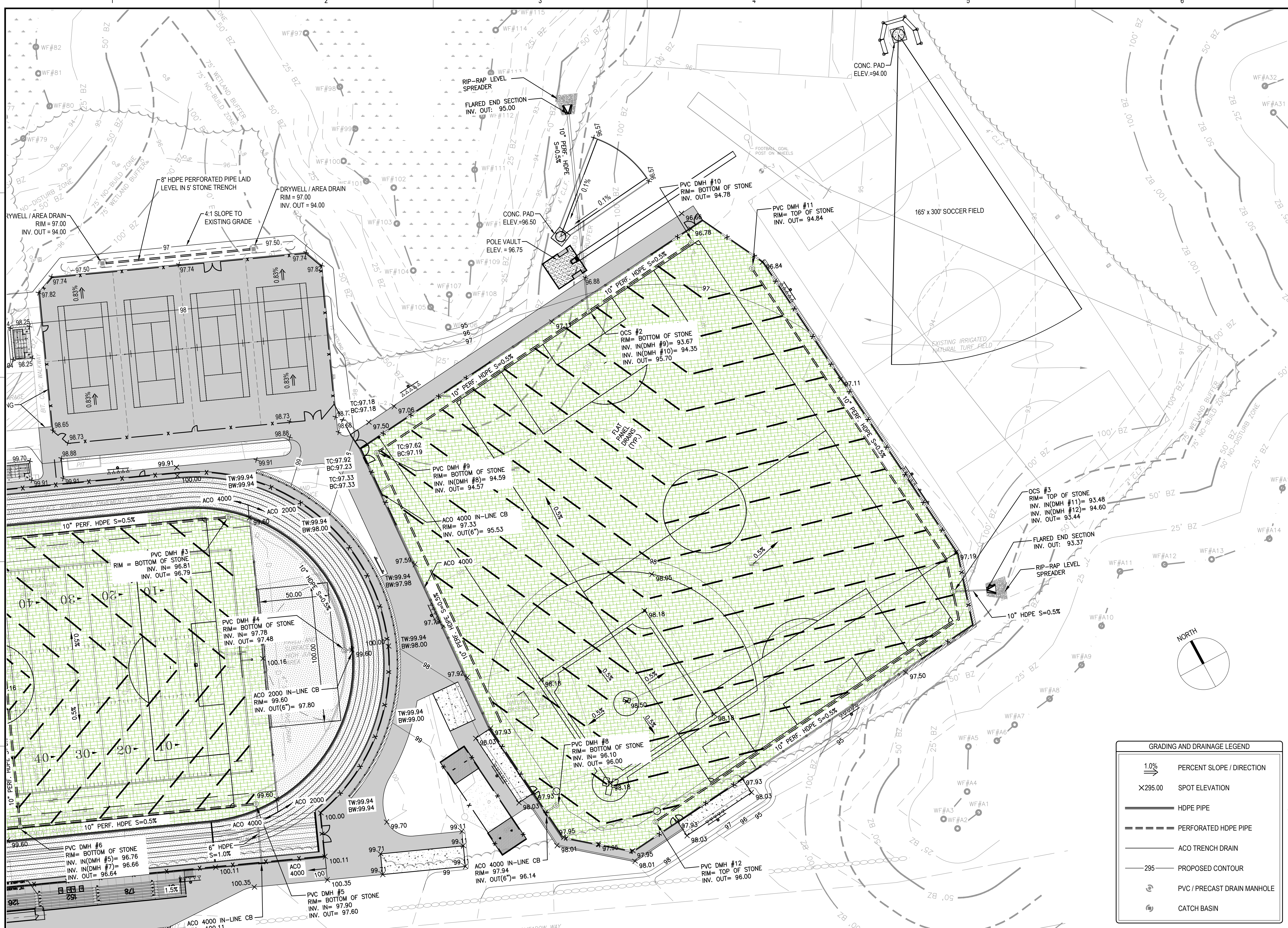
NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C201		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	1" = 30'		



GRADING AND DRAINAGE PLAN
SHEET 2 OF 3

DRAWING NO.

C202



GALE
 Gale Associates, Inc.
 Engineers and Planners
 163 LIBBEY PARKWAY | WEYMOUTH, MA
 02189P 781.335.6465 F 781.335.6467
 www.gainc.com
 Boston Baltimore Orlando Hartford Bedford

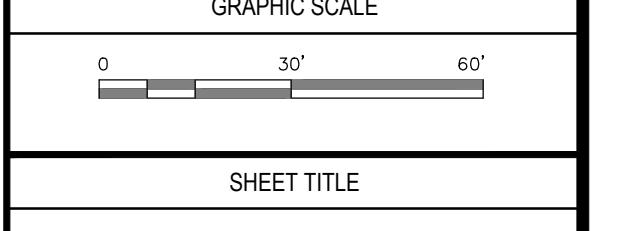
This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright © 2021

PERMIT SET

PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982

OWNER
 HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
 5 SCHOOL STREET
 WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C201		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	1" = 30'		



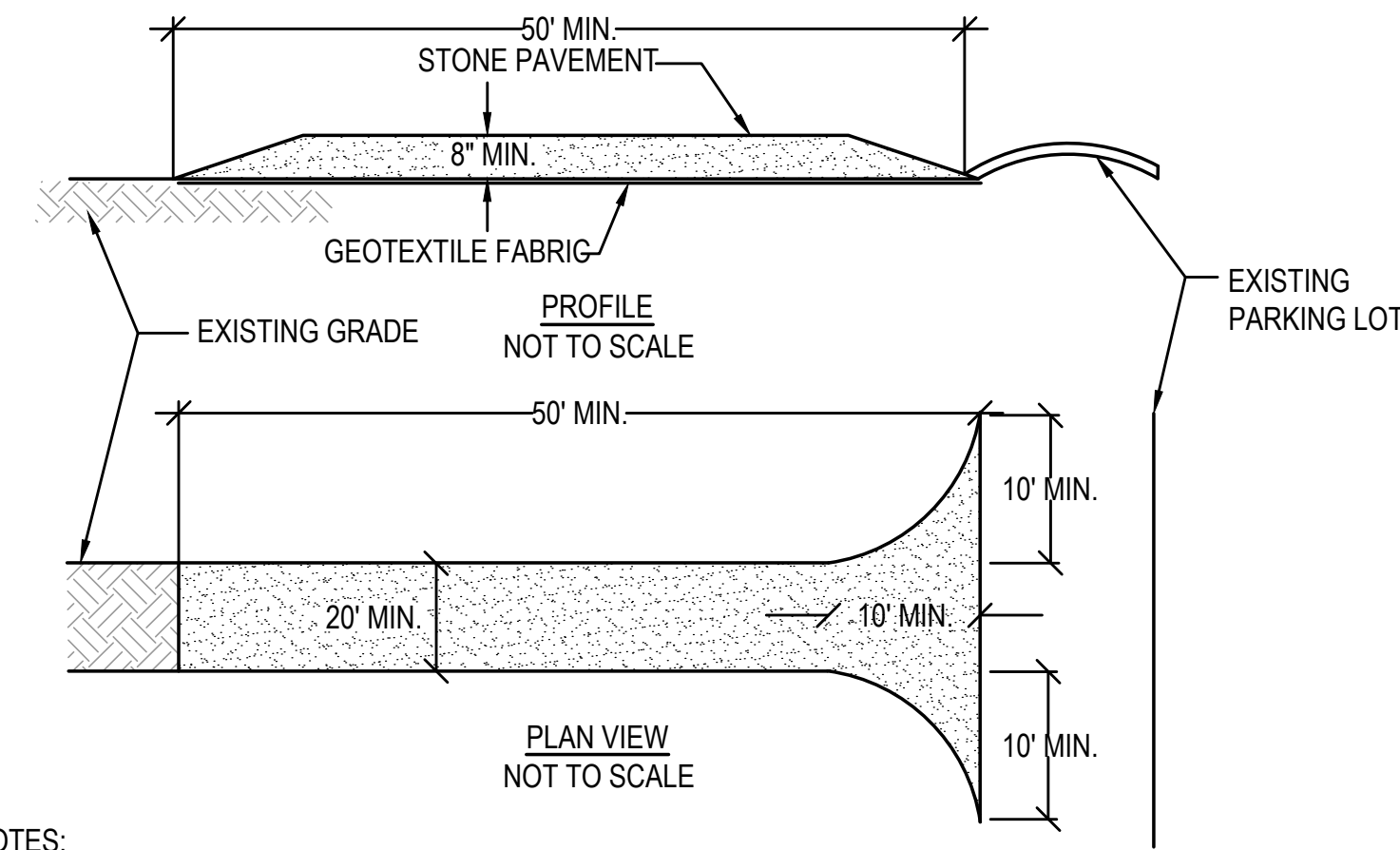
SHEET TITLE
GRADING AND DRAINAGE PLAN
SHEET 3 OF 3

DRAWING NO.
C203

15 OF 33

GRADING AND DRAINAGE LEGEND

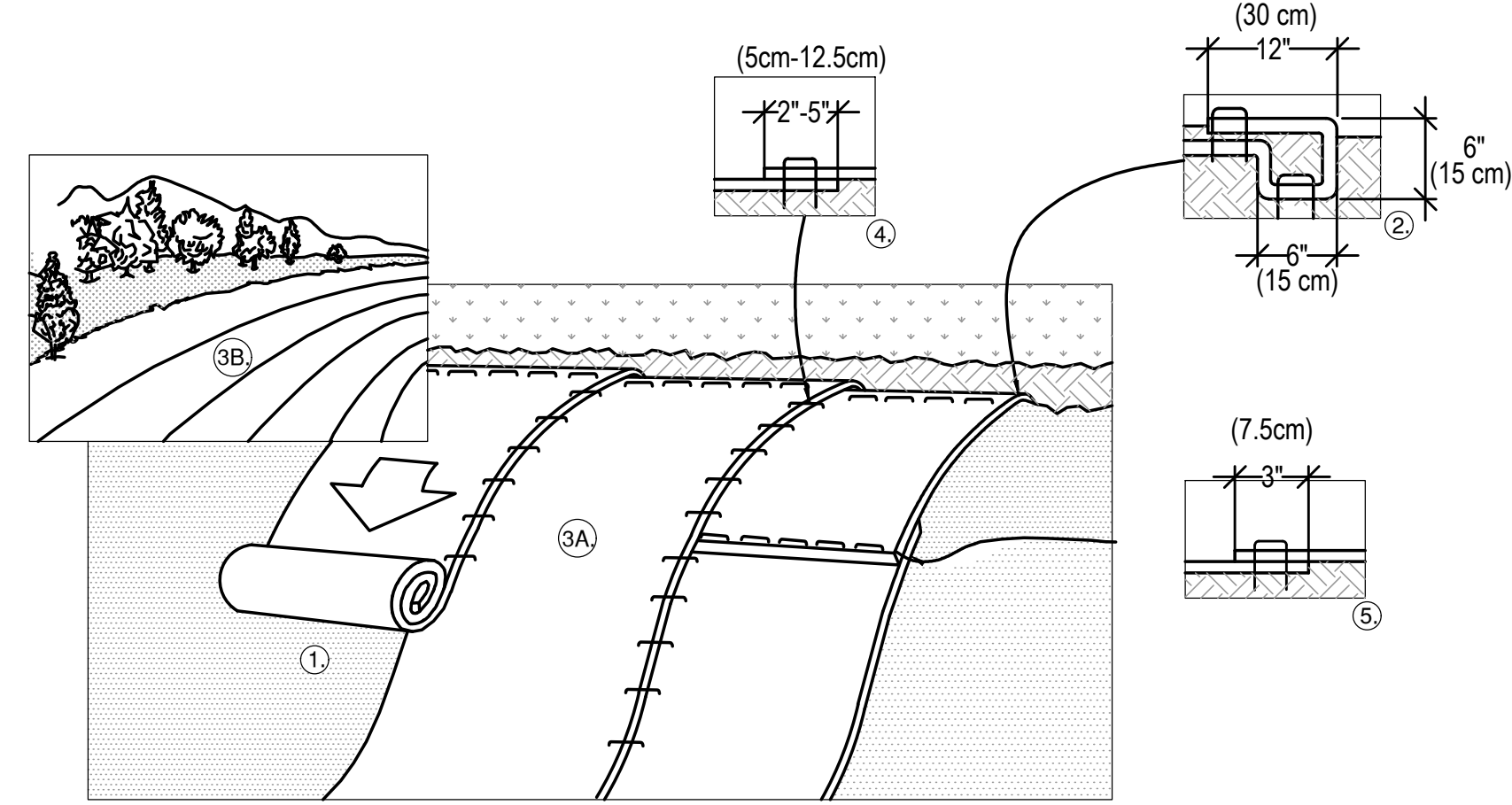
	PERCENT SLOPE / DIRECTION
	SPOT ELEVATION
	HDPE PIPE
	PERFORATED HDPE PIPE
	ACO TRENCH DRAIN
	PROPOSED CONTOUR
	PVC / PRECAST DRAIN MANHOLE
	CATCH BASIN



NOTES:

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 40 FEET.
3. THICKNESS - NOT LESS THAN (8) INCHES.
4. WIDTH - TWENTY (20) MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. GEOTEXTILE FABRIC - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. GEOTEXTILE FABRIC SHALL BE MIRIFI 500X WOVEN FABRIC OR APPROVED EQUAL.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

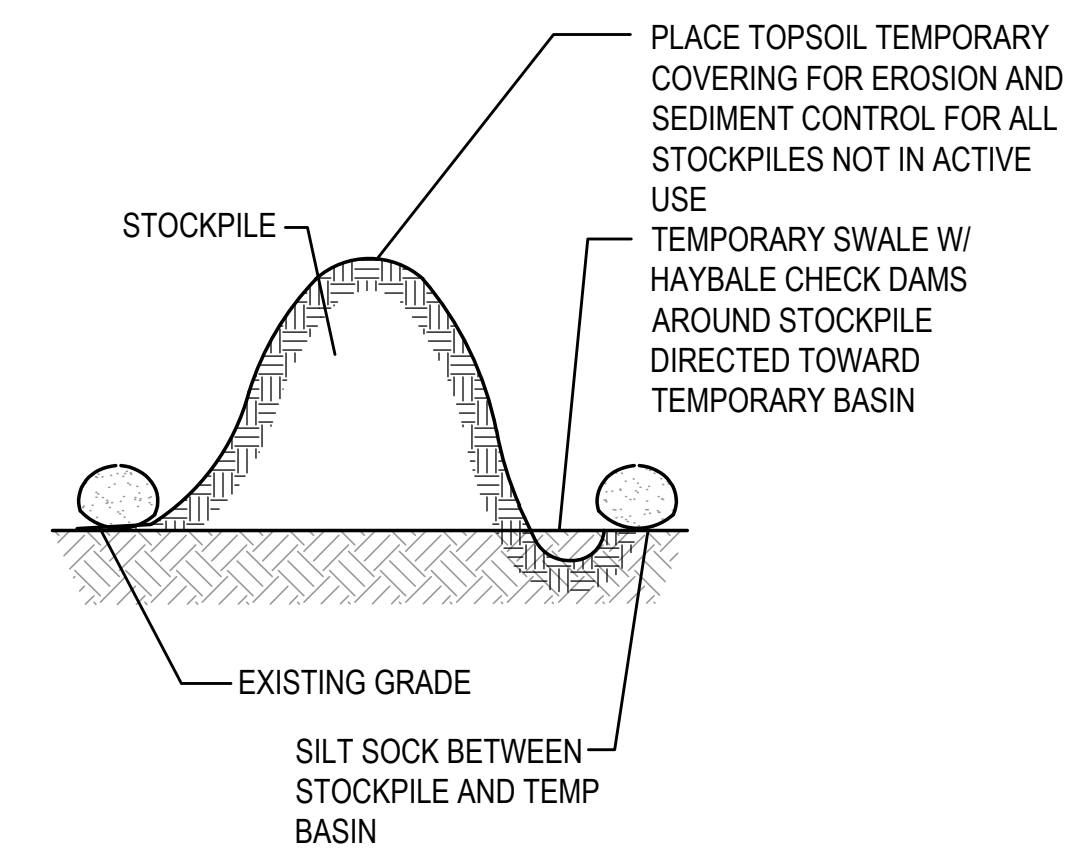
1 STABILIZED CONSTRUCTION ENTRANCE
N.T.S.



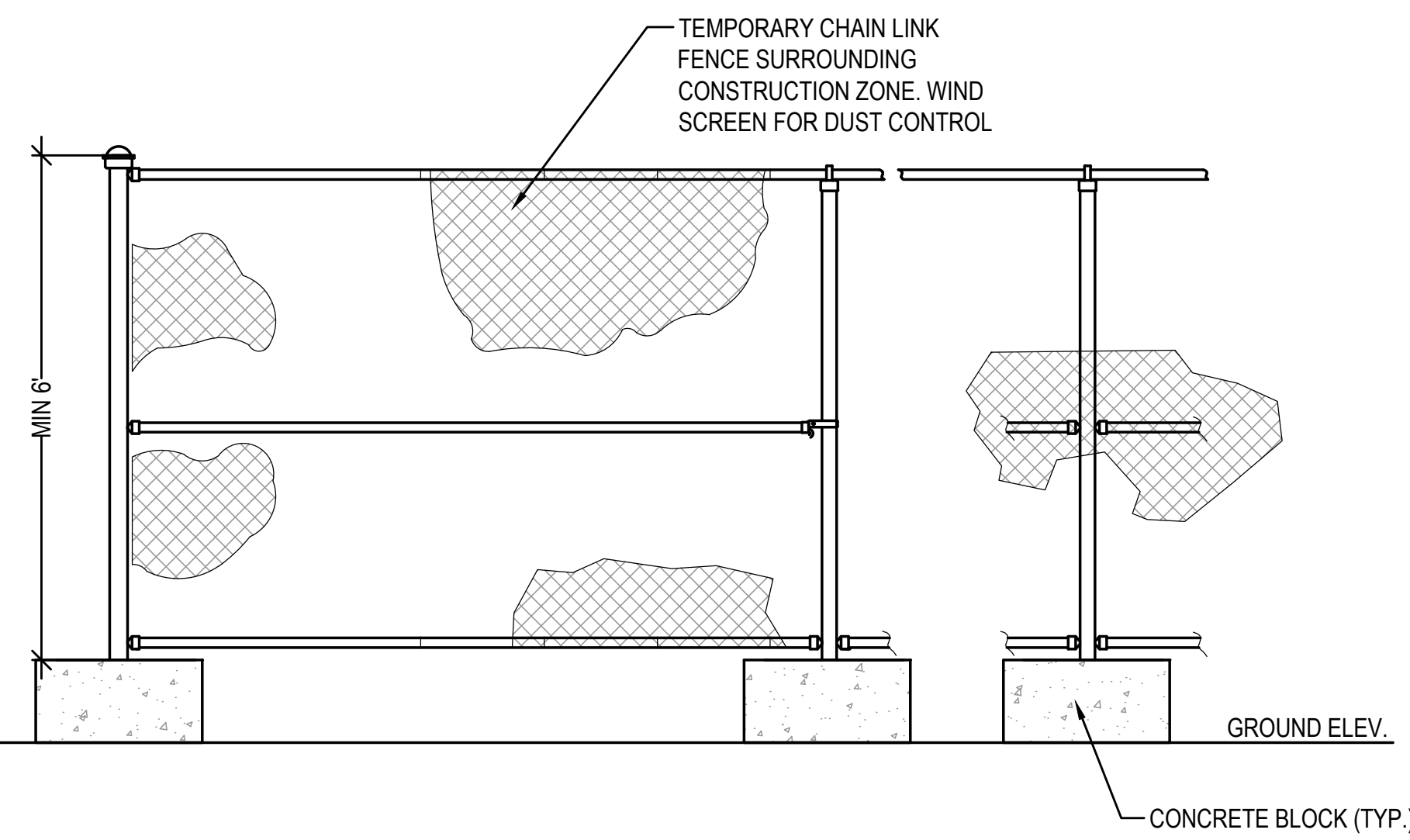
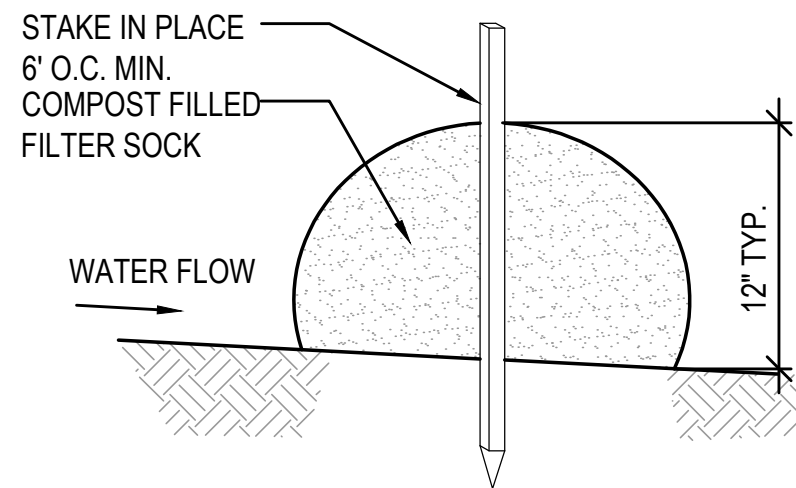
NOTES:

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30cm) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30cm) APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5cm-12.5cm) OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
5. CONSECUTIVE BLANKETS SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5cm) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30cm) APART ACROSS ENTIRE BLANKET WIDTH.

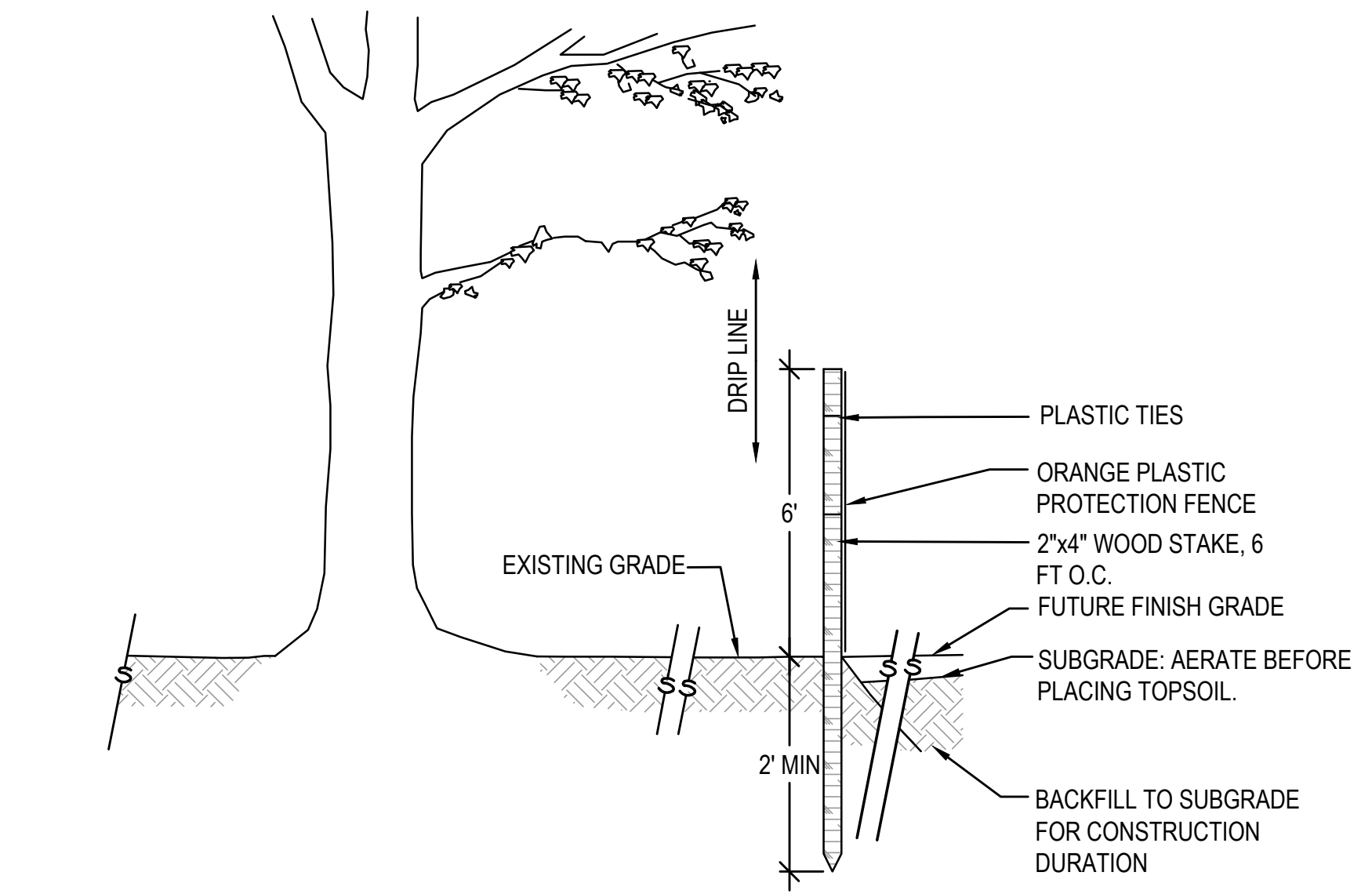
2 EROSION MATTING DETAIL
N.T.S.



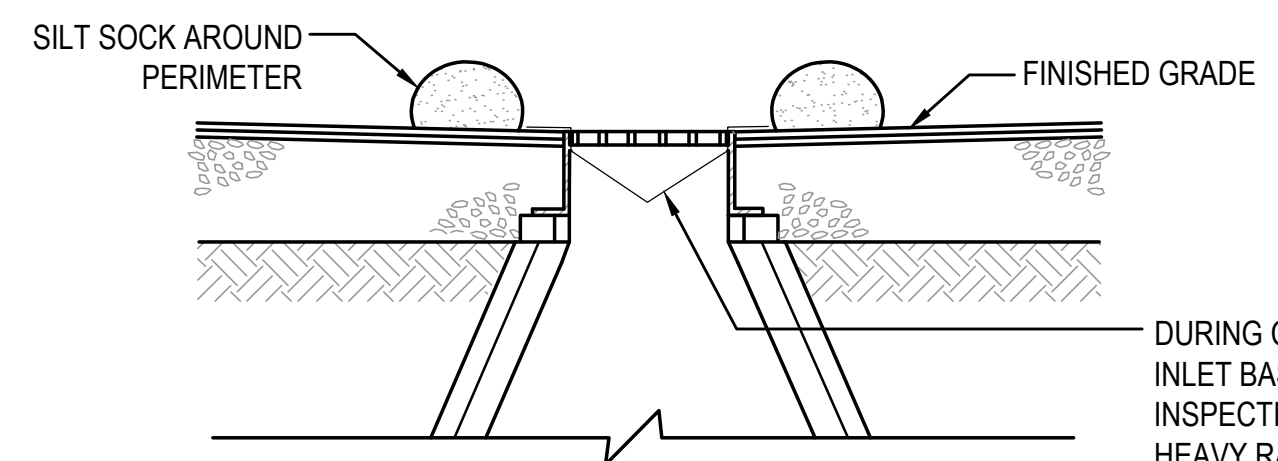
3 MATERIAL STOCKPILE AREA
N.T.S.



4 TEMPORARY CONSTRUCTION FENCE
N.T.S.



6 SILTY SOCK EROSION CONTROL
N.T.S.



7 INLET PROTECTION / SILTY SACK
N.T.S.



Gale Associates, Inc.
Engineers and Planners
163 LIBBEY PARKWAY | WEYMOUTH, MA
02189P 781.335.6465 F 781.335.6467
www.gainc.com
Boston Baltimore Orlando Hartford Bedford

This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2021

PERMIT SET

PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982
OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C500s		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	N.T.S.		

GRAPHIC SCALE

SHEET TITLE

GENERAL DETAILS
SHEET 1 OF 3

DRAWING NO.

C501

1

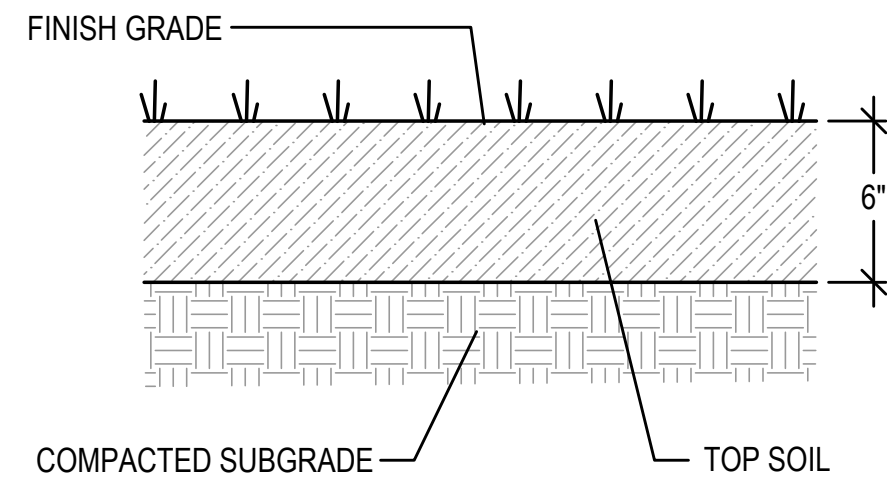
2

3

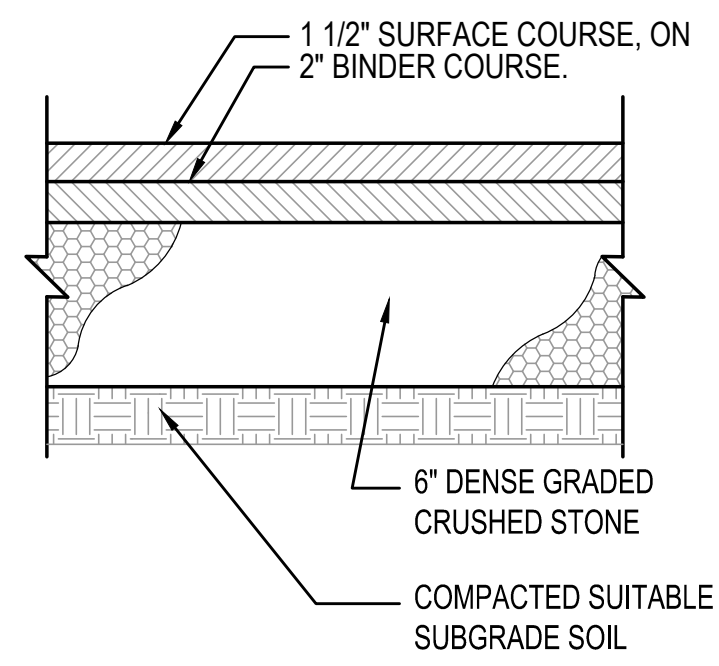
4

5

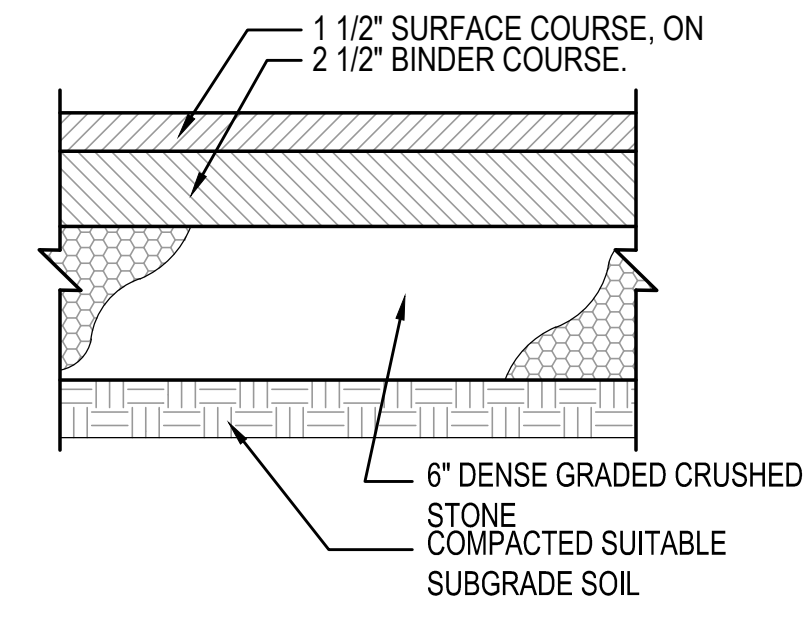
6



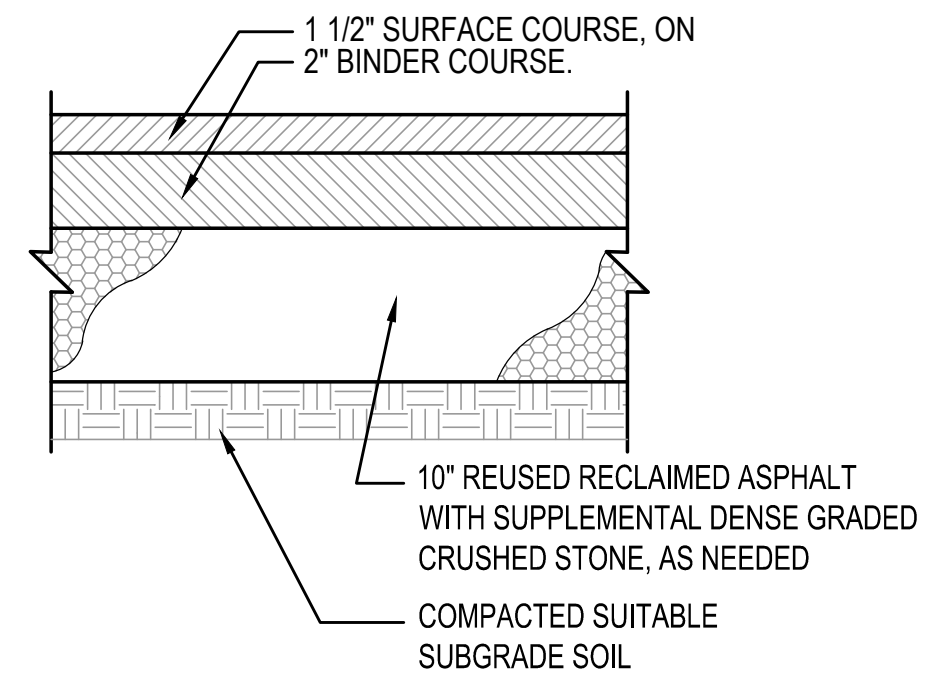
1 LOAM & SEED (DISTURBED AREAS)
N.T.S.



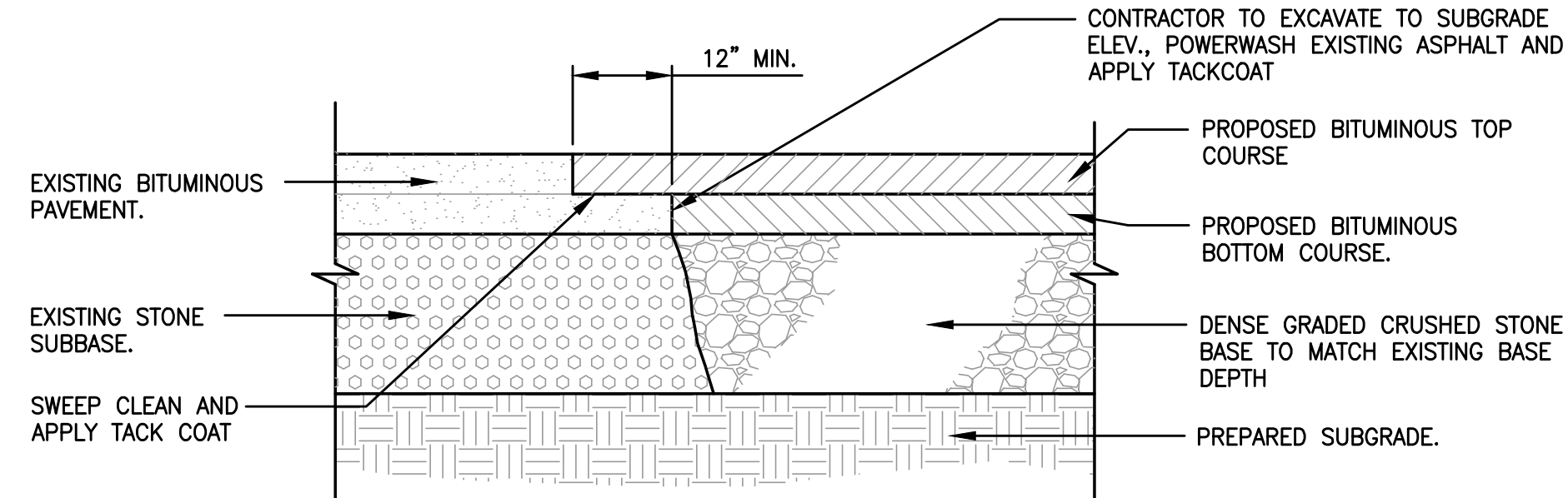
2 SIDEWALK PAVEMENT SECTION
N.T.S.



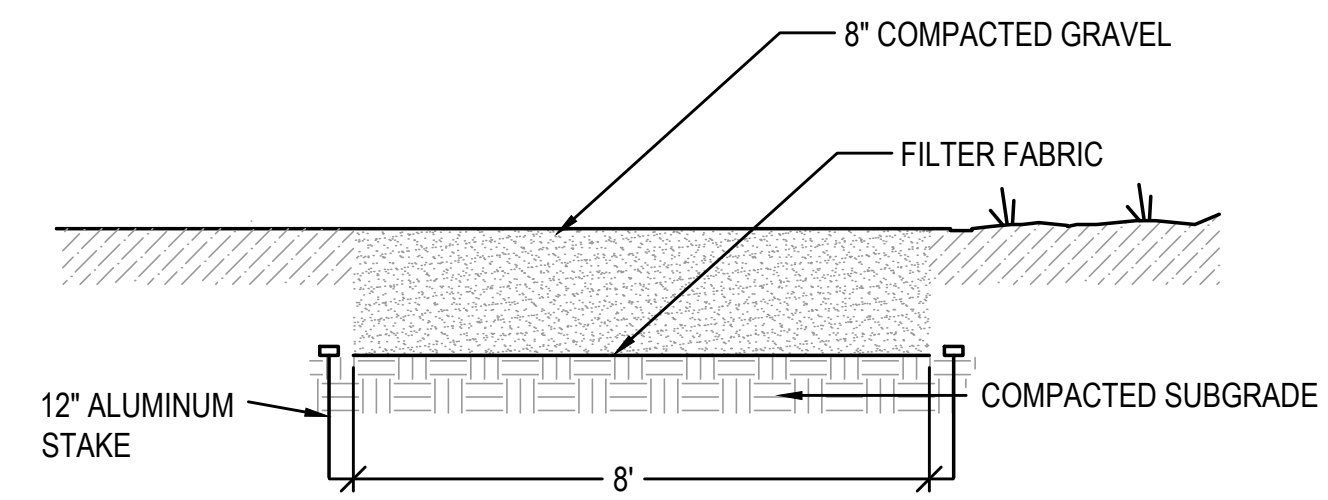
3 DRIVEWAY PAVEMENT SECTION
N.T.S.



4 DRIVEWAY PAVEMENT SECTION (RECLAIM)
N.T.S.

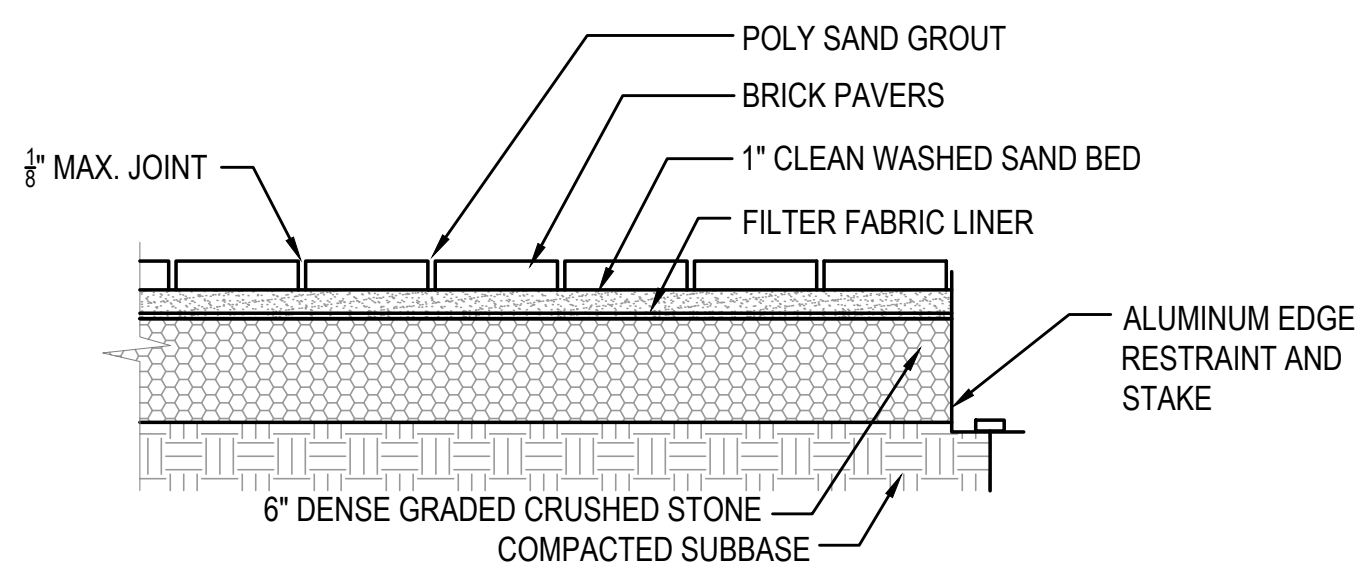


5 PAVEMENT JOINTING DETAIL
N.T.S.

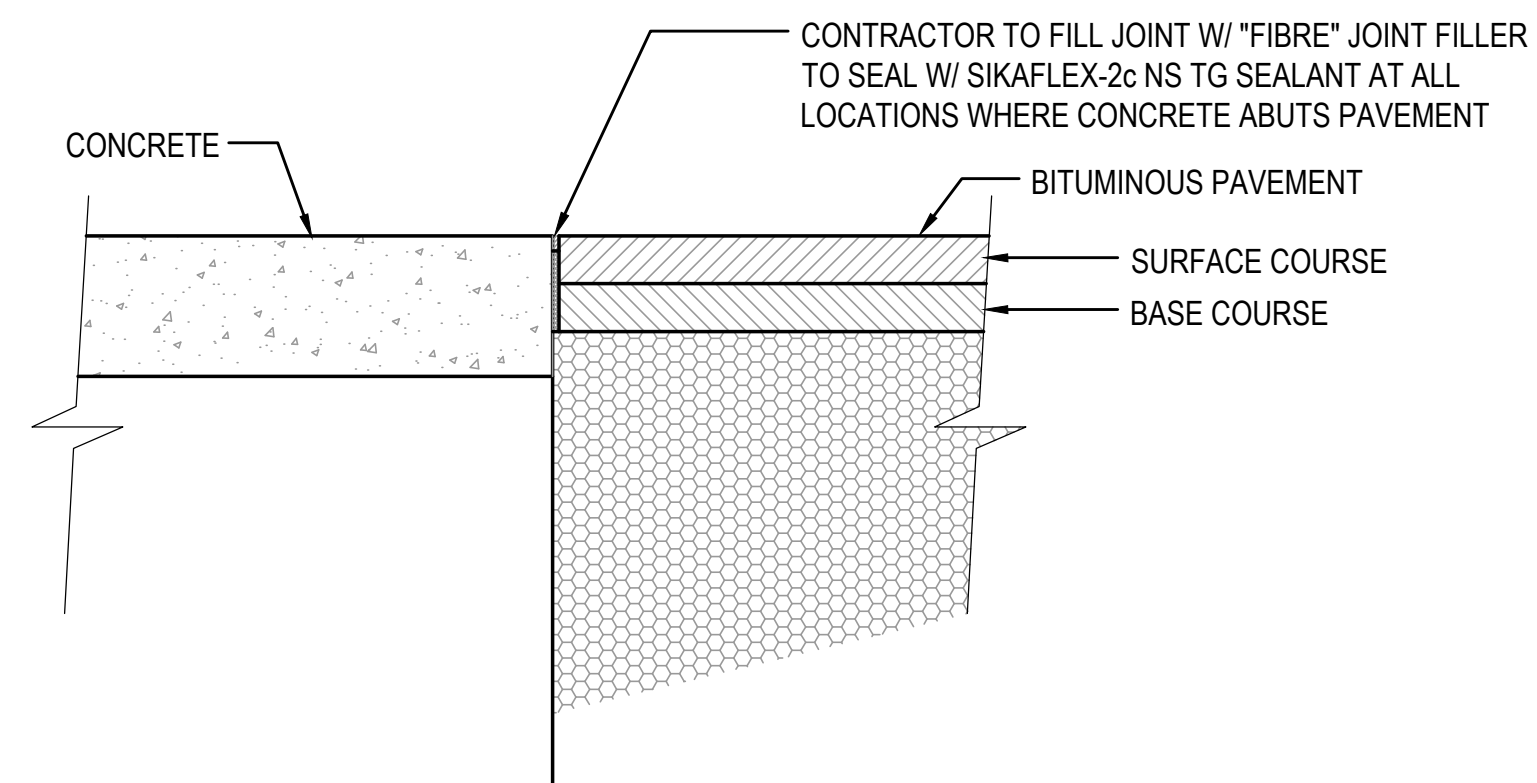


6 GRAVEL EMERGENCY ACCESS DRIVE
N.T.S.

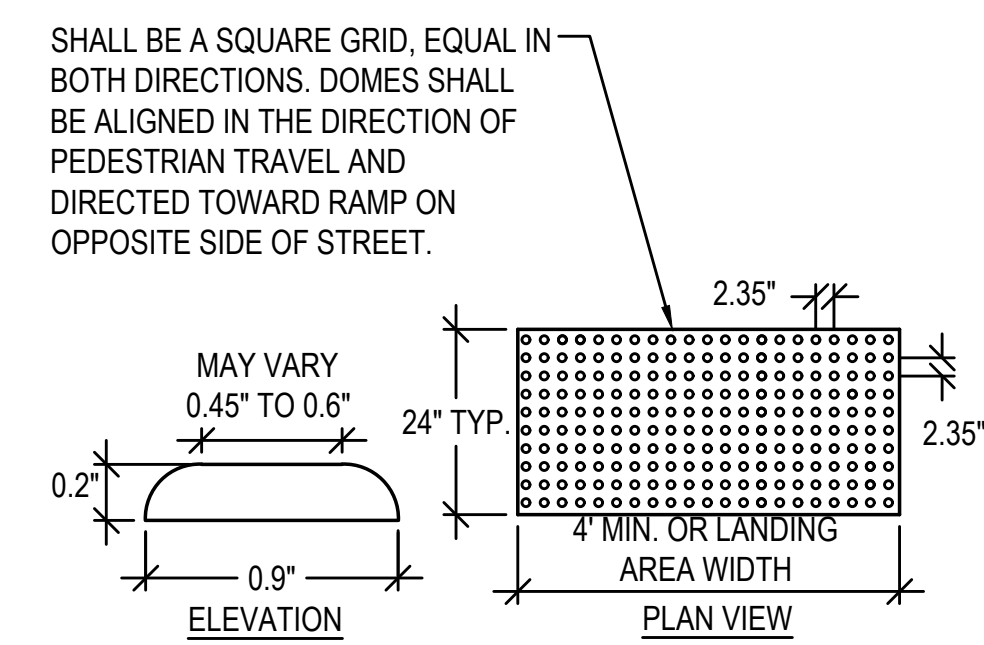
NOTE:
PATTERN AND COLORS TO BE
APPROVED BY OWNER PRIOR TO
INSTALLATION



7 BRICK PAVERS
N.T.S.



8 TYPICAL CONCRETE TO PAVEMENT DETAIL (ALL CASES)
N.T.S.



9 TACTILE WARNING STRIP
N.T.S.



Gale Associates, Inc.
Engineers and Planners
163 LIBBEY PARKWAY | WEYMOUTH, MA
02189P 781.335.6465 F 781.335.6467
www.gainc.com
Boston Baltimore Orlando Hartford Bedford

This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2021

PERMIT SET

PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982

OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C500s		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	N.T.S.		

GRAPHIC SCALE

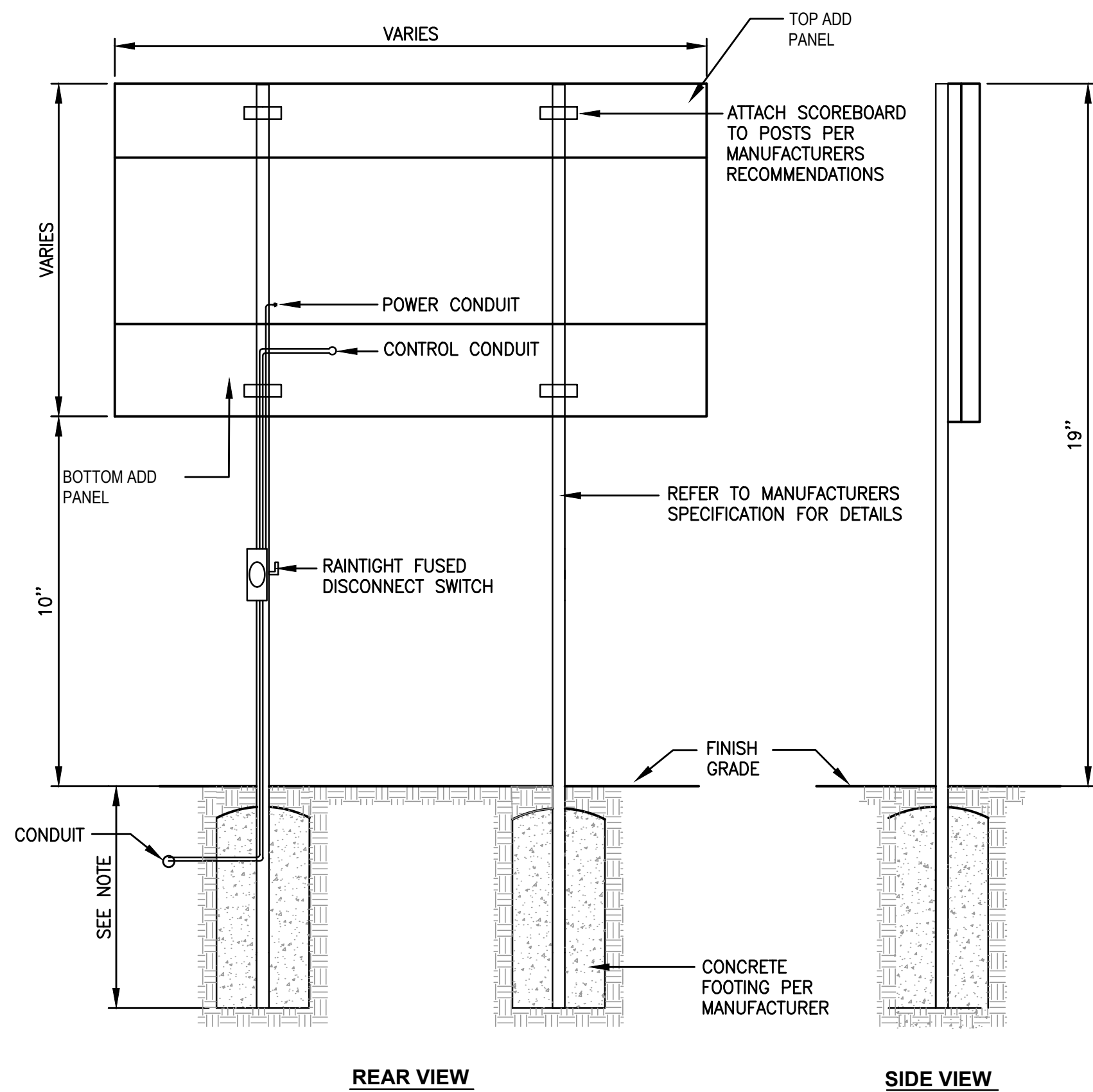
SHEET TITLE

GENERAL DETAILS
SHEET 2 OF 3

DRAWING NO.

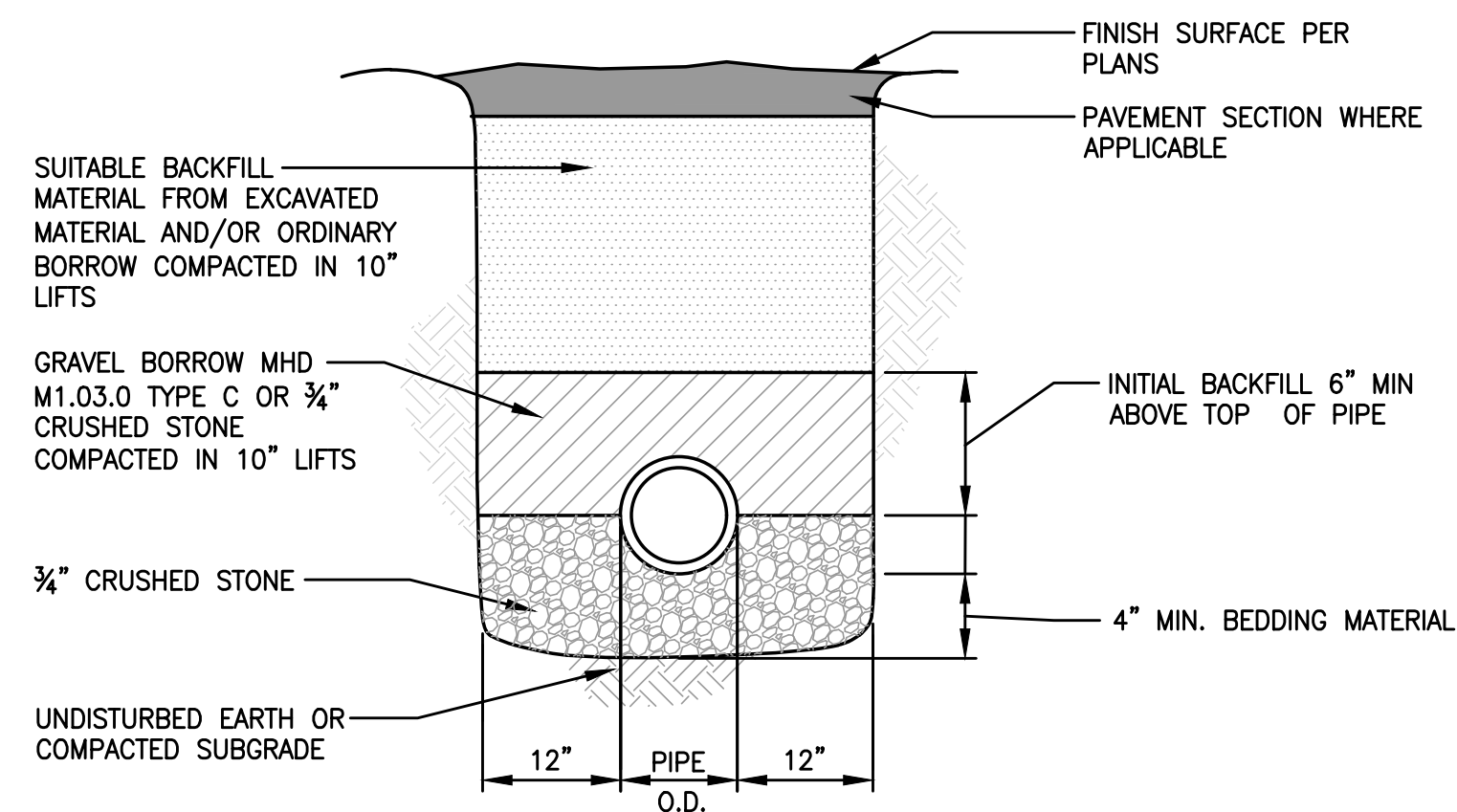
C502

17 OF 33



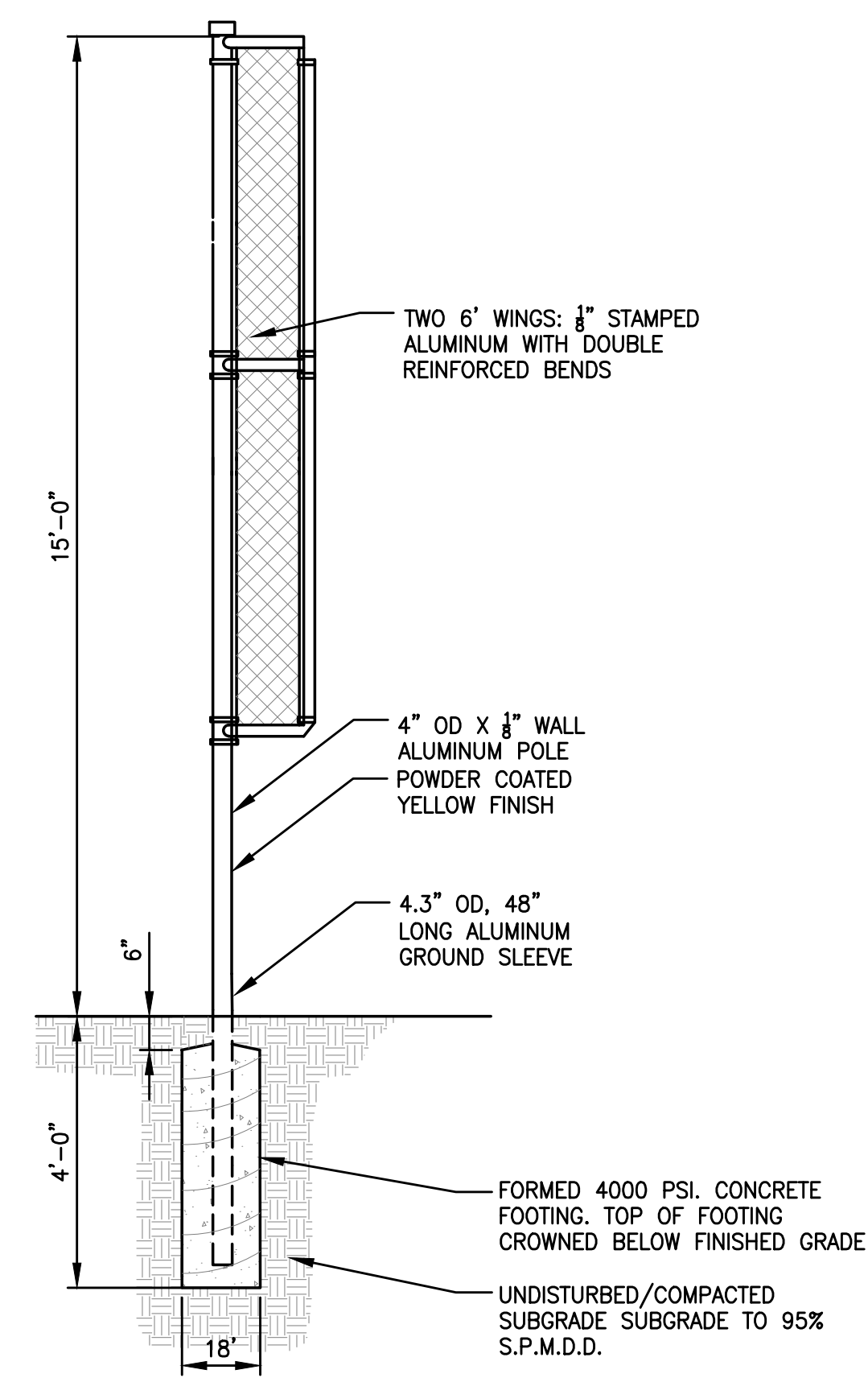
1 SCOREBOARD DETAIL
N.T.S.

- NOTES:
 1. SEE SPECIFICATION FOR MODEL NUMBER.
 2. FOUNDATION DESIGN MUST BE STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MASSACHUSETTS PRIOR TO INSTALLATION.
 3. REFER TO SPECIFICATIONS FOR PRODUCT AND INSTALLATION DETAILS.

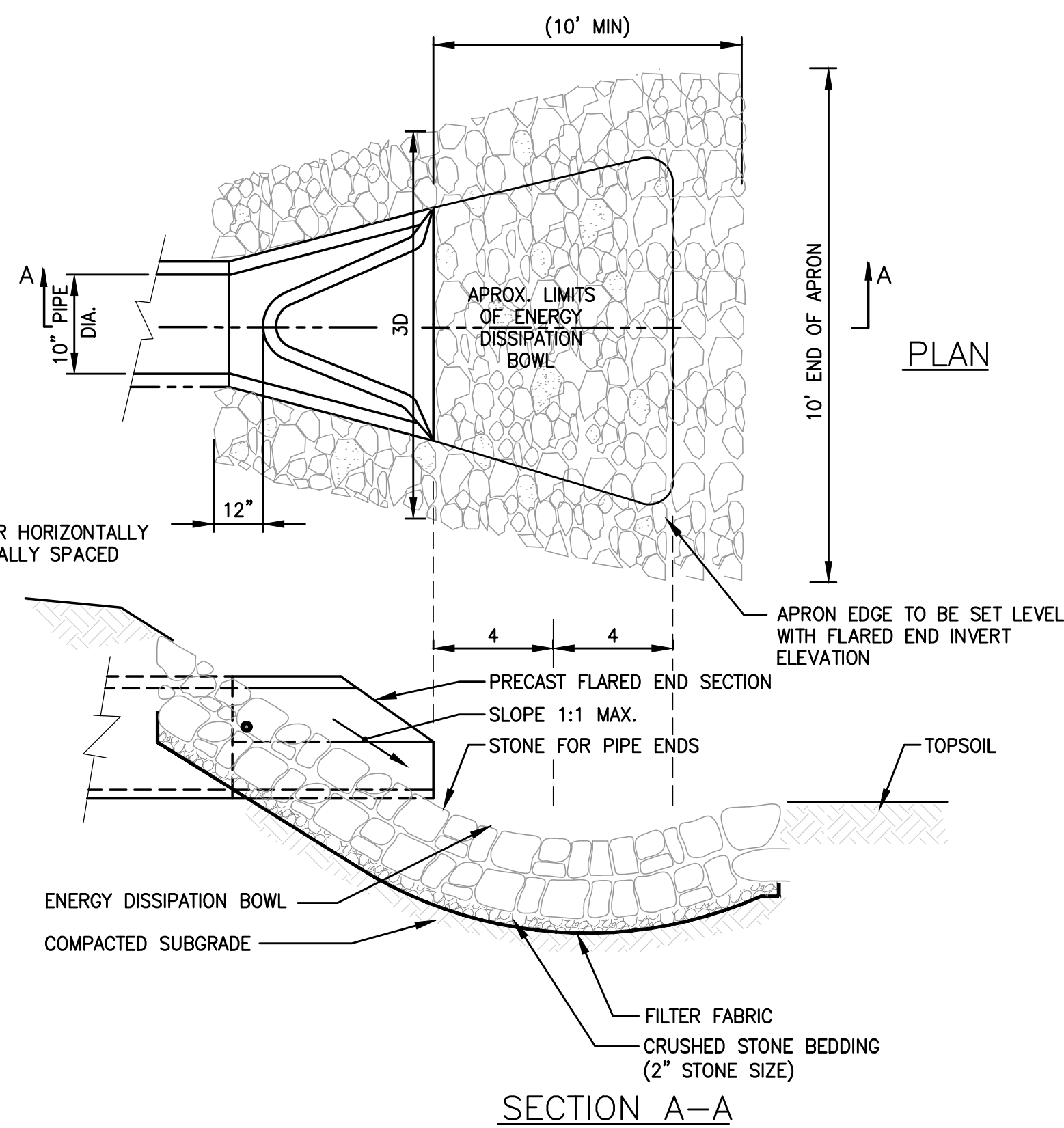


2 HDPE TRENCH DETAIL (UP TO 24" DIA.)
N.T.S.

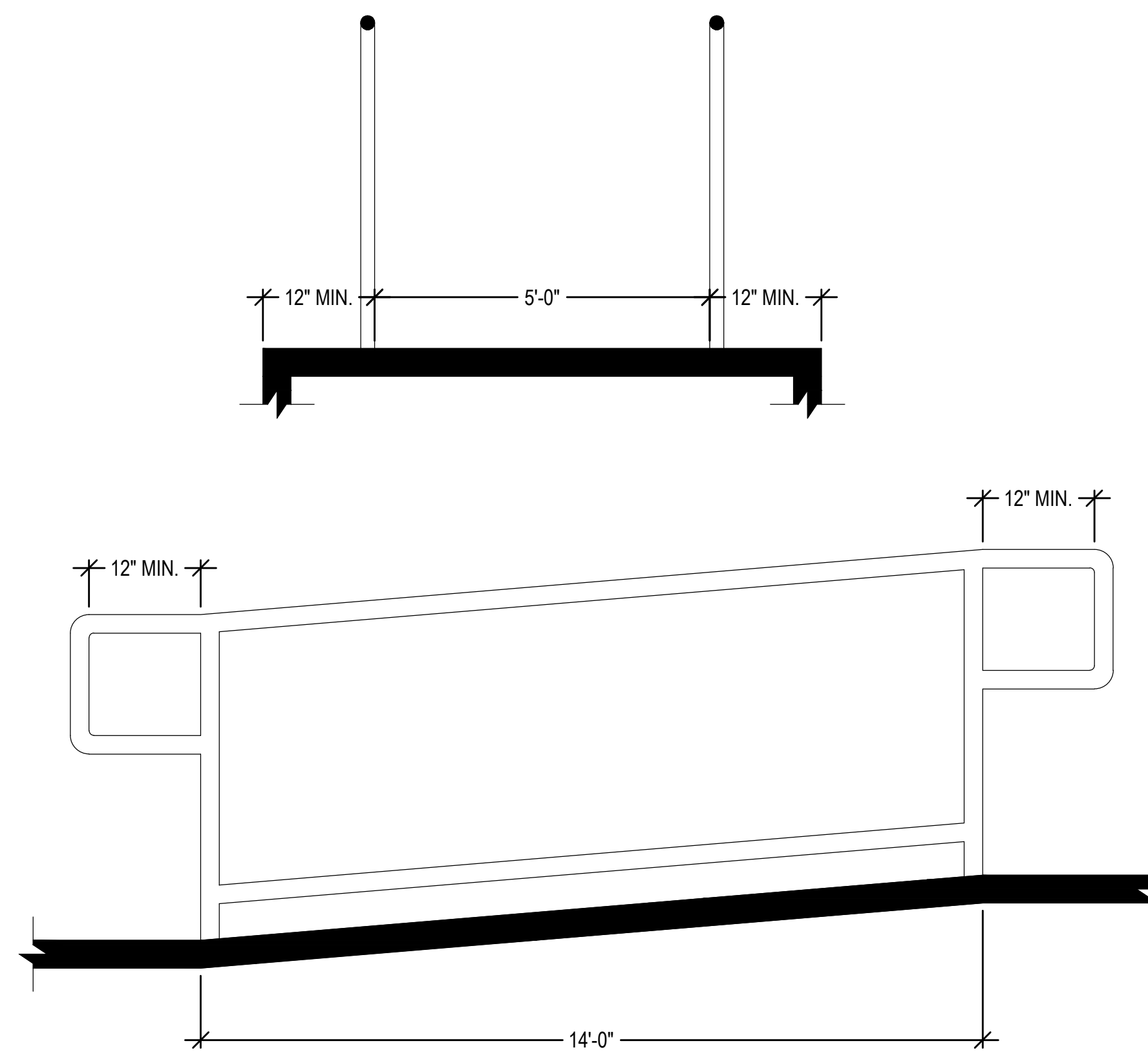
NOTE:
 CONTRACTOR SHALL PROVIDE SHEETING, TRENCH BOX OR SLOPED WALLS IN ACCORDANCE WITH APPLICABLE SAFETY REGULATIONS



3 FOUL POLE
N.T.S.

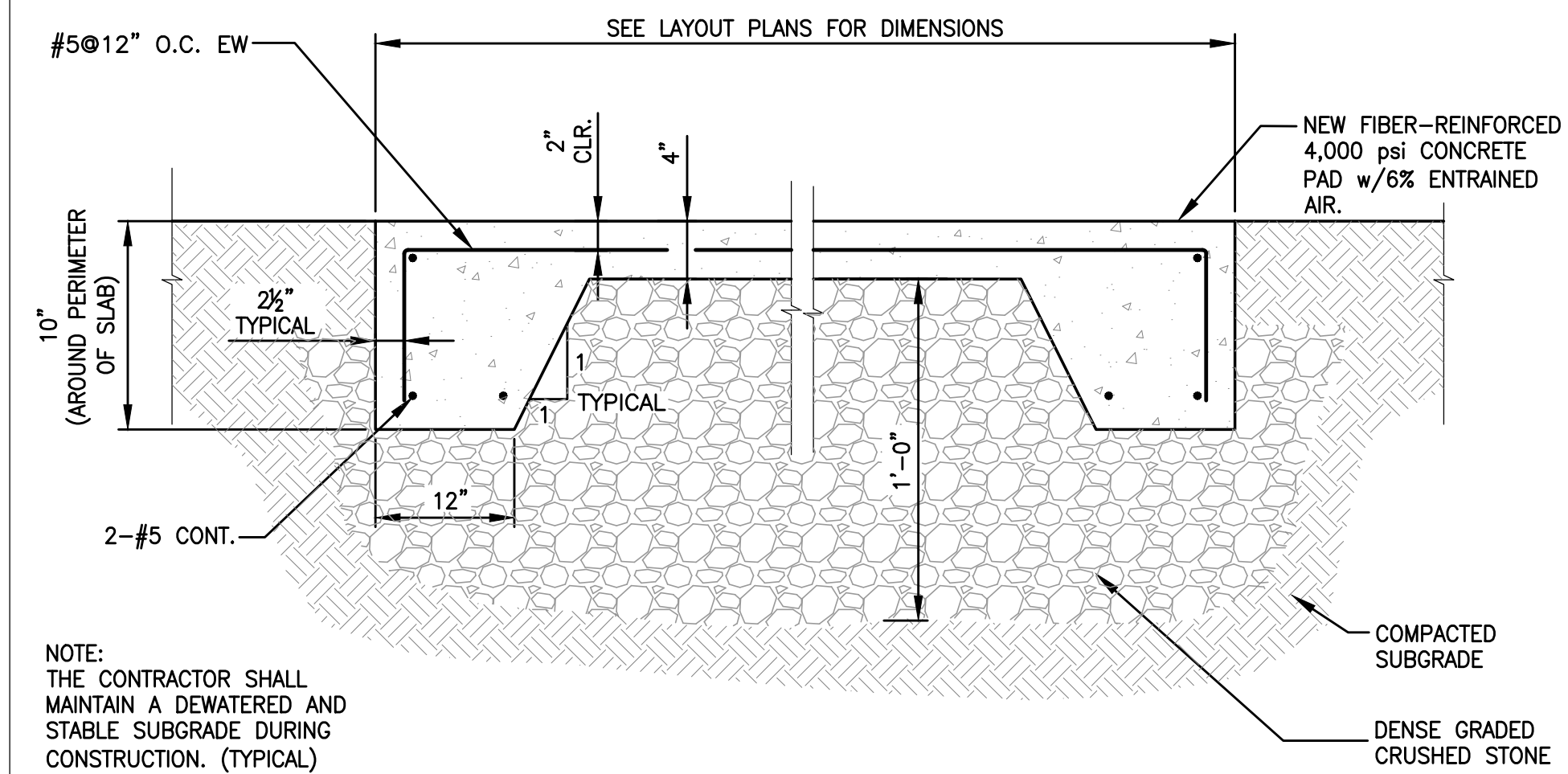


4 FLARED END SECTION & LEVEL SPREADER
N.T.S.



NOTE:
 1. REFER TO GRADING AND DRAINAGE PLAN FOR PROPOSED ELEVATIONS.

5 HANDICAP ACCESSIBLE RAMP
N.T.S.



NOTE:
 THE CONTRACTOR SHALL MAINTAIN A DEWATERED AND STABLE SUBGRADE DURING CONSTRUCTION. (TYPICAL)

6 CONCRETE SLAB (BLEACHERS/DUGOUT)
N.T.S.



Gale Associates, Inc.
 Engineers and Planners
 163 LIBBEY PARKWAY | WEYMOUTH, MA
 02189P 781.335.6465 F 781.335.6467
 www.gainc.com

Boston Baltimore Orlando Hartford Bedford

This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2021

PERMIT SET

PROJECT
 ATHLETIC CAMPUS IMPROVEMENTS
 HAMILTON-WENHAM REGIONAL HIGH SCHOOL
 775 BAY ROAD
 SOUTH HAMILTON, MA 01982

OWNER
 HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
 5 SCHOOL STREET
 WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C500s		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	N.T.S.		

GRAPHIC SCALE

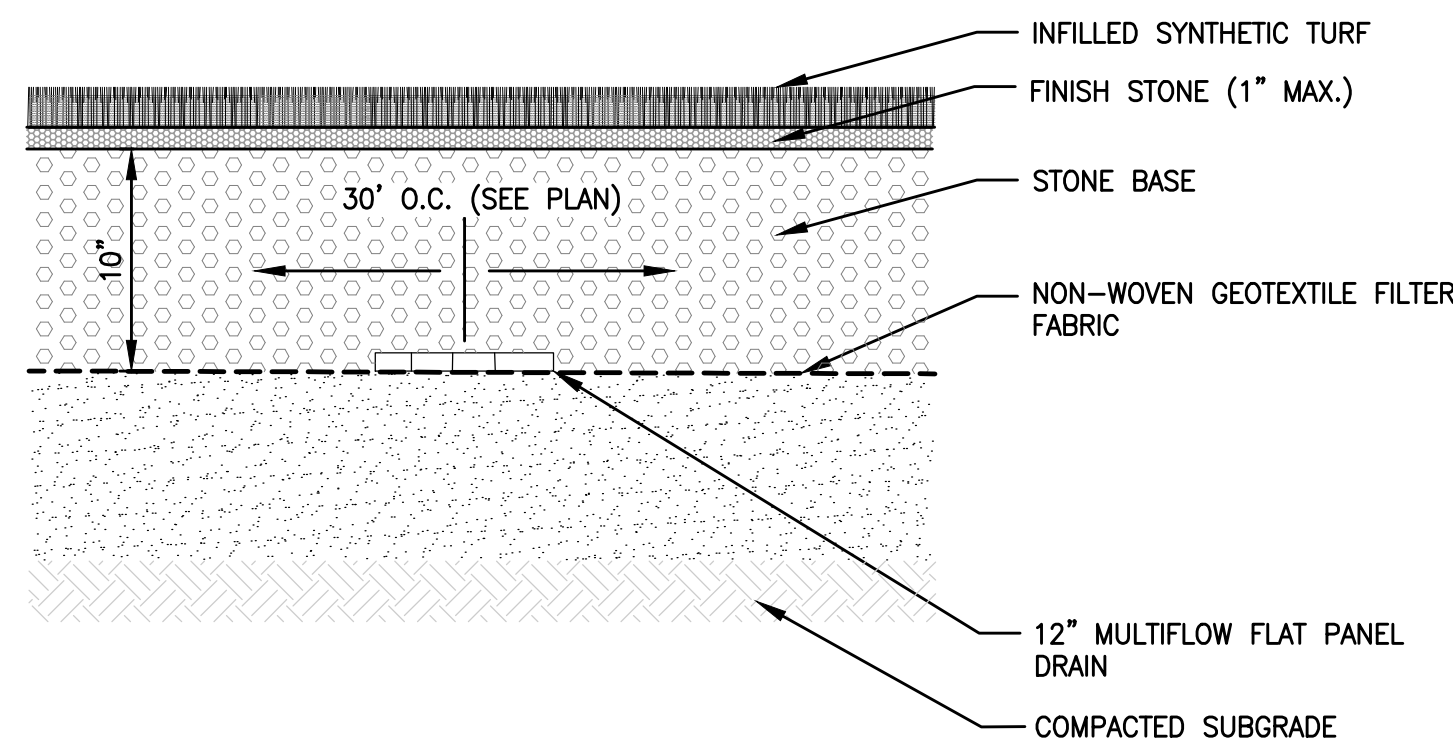
SHEET TITLE

GENERAL DETAILS
 SHEET 3 OF 3

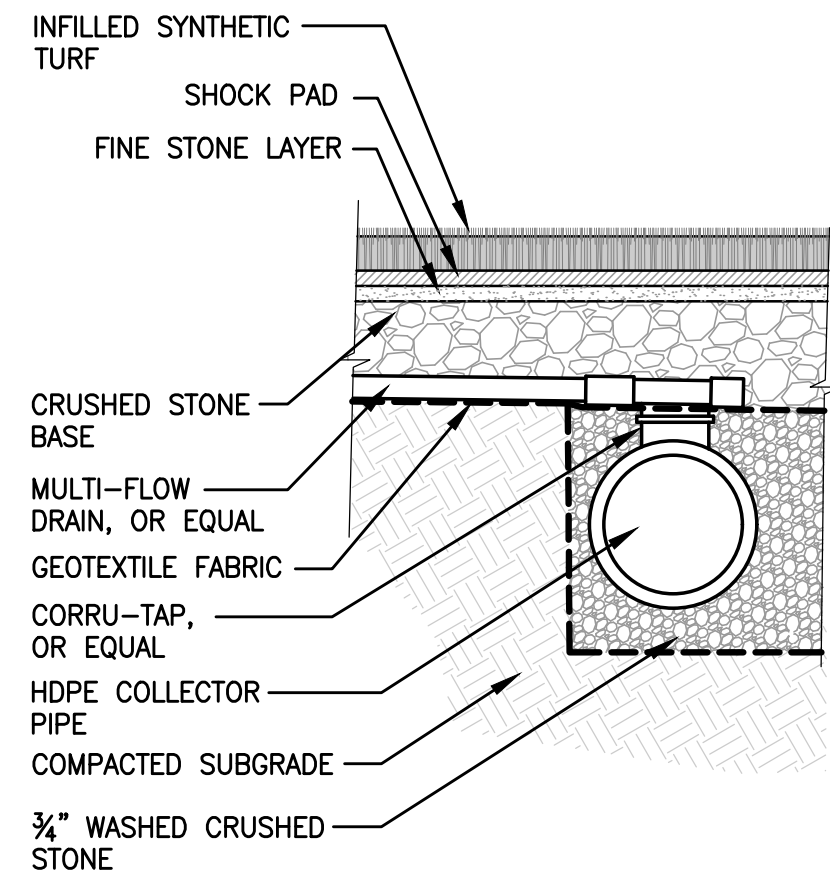
DRAWING NO.

C503

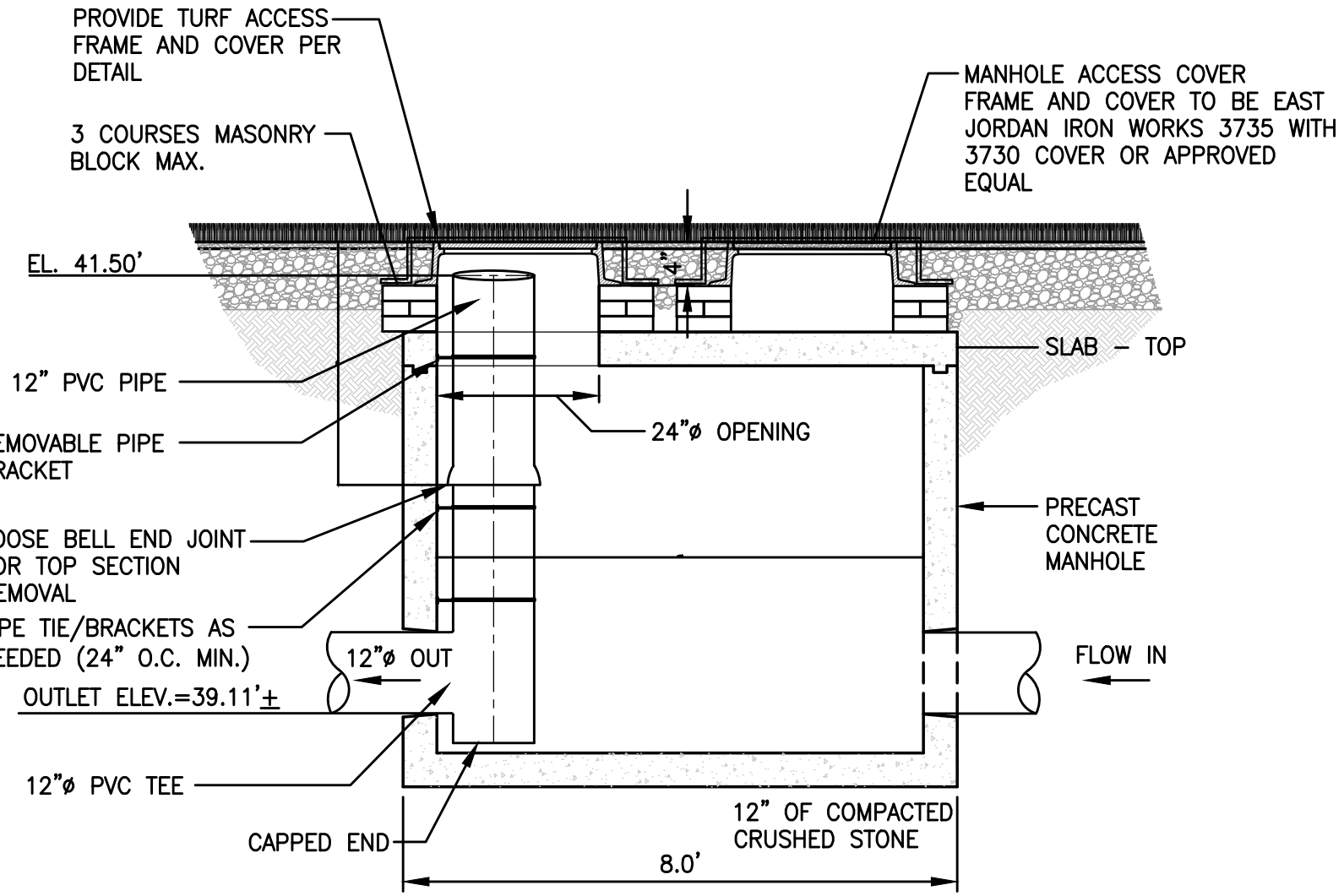
18 OF 33



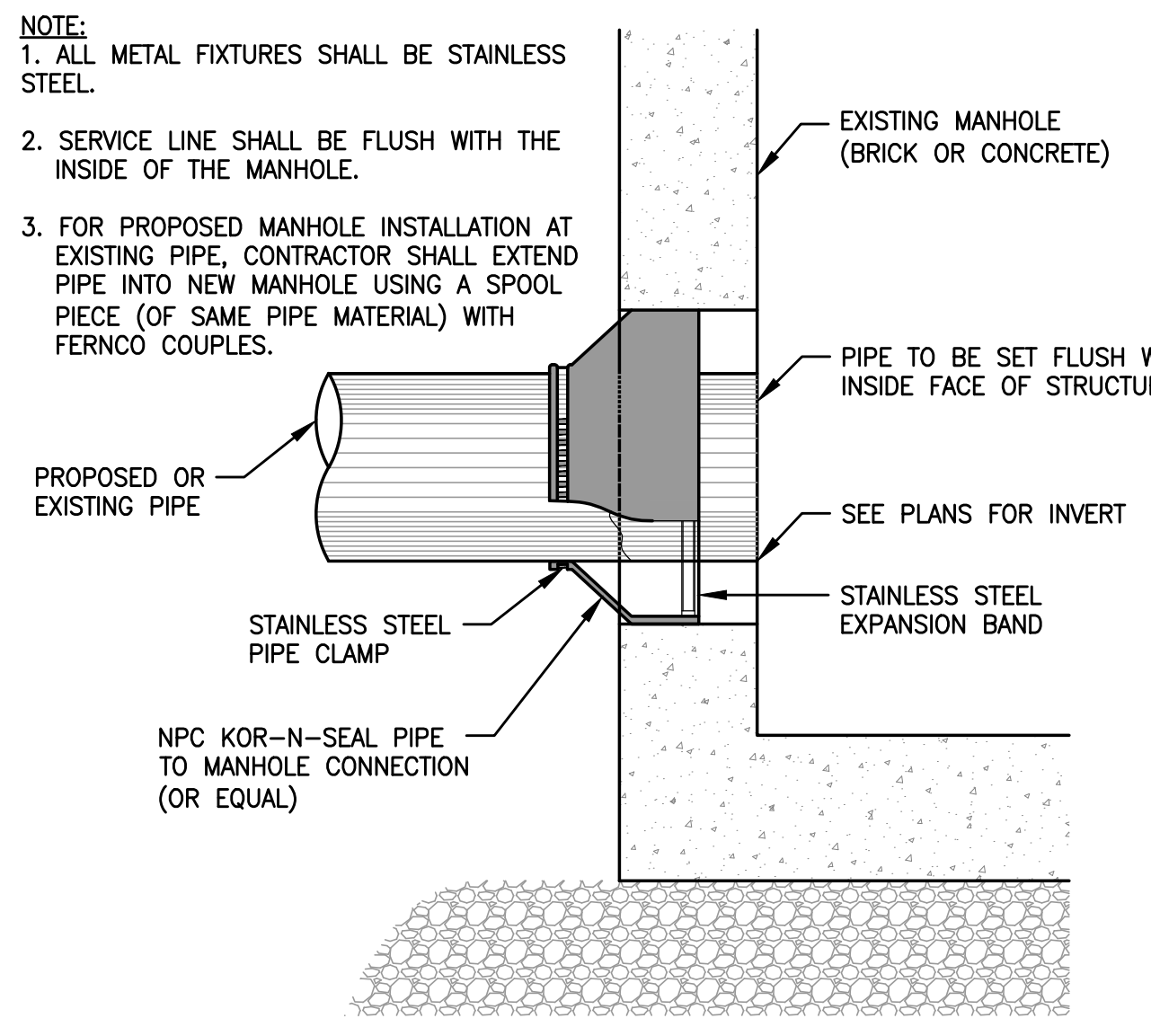
1 SYNTHETIC FIELD UNDERDRAIN (TYP.)
N.T.S.



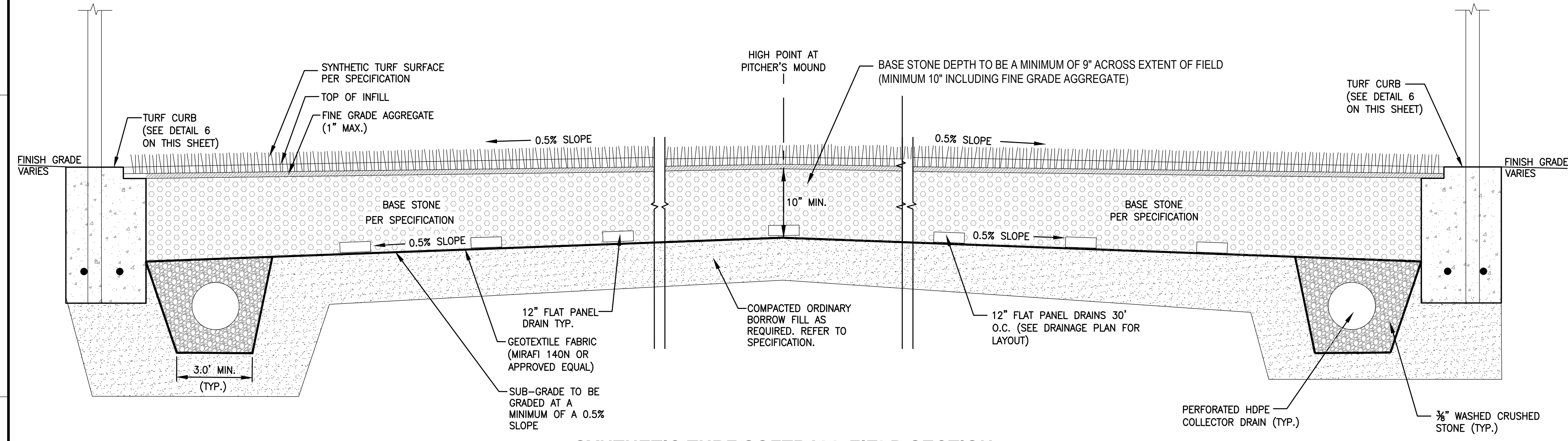
2 TYPICAL COLLECTOR PIPE AND LATERAL CONNECTION
N.T.S.



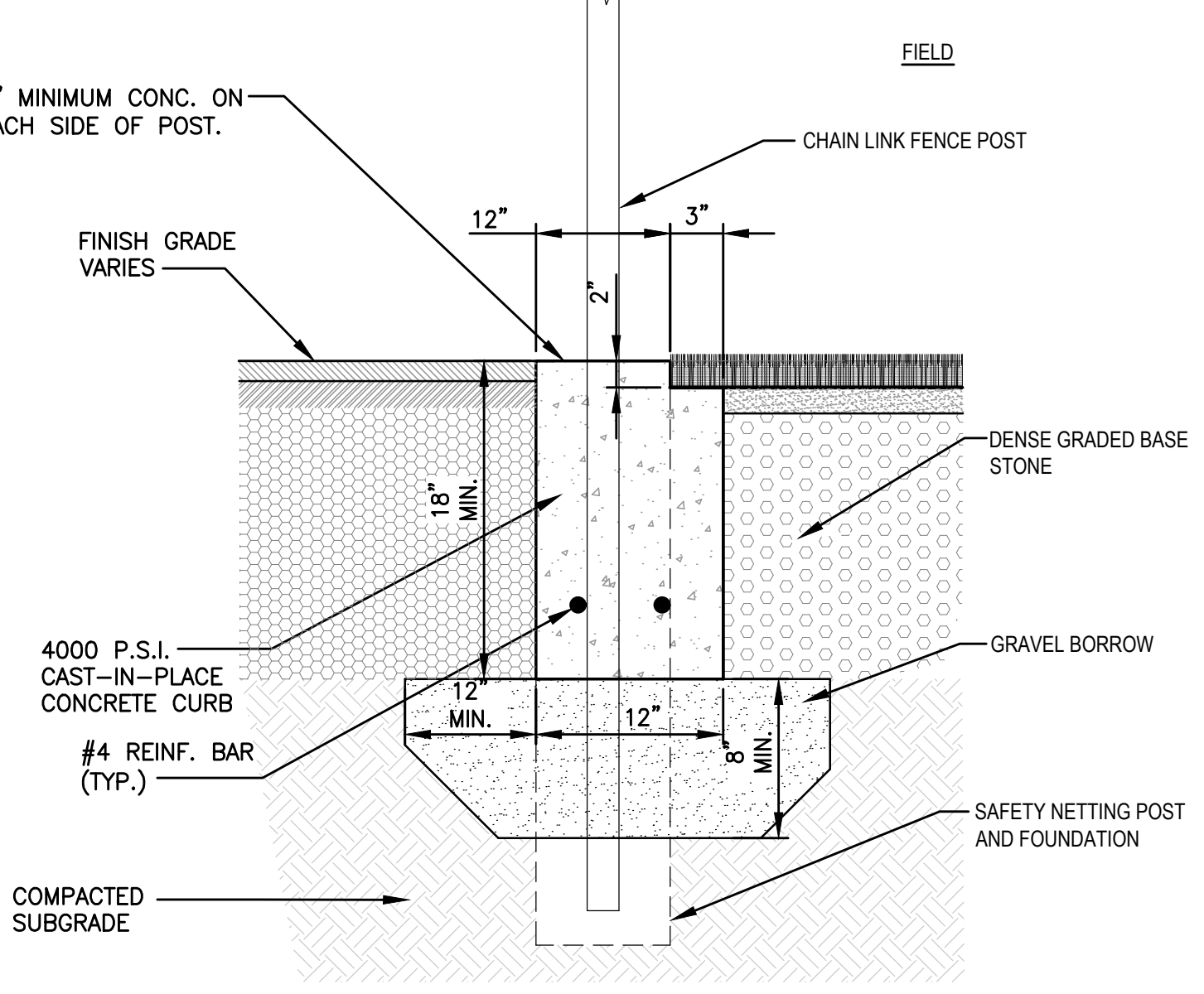
3 OUTLET CONTROL STRUCTURE #4 (OCS-4)
N.T.S.



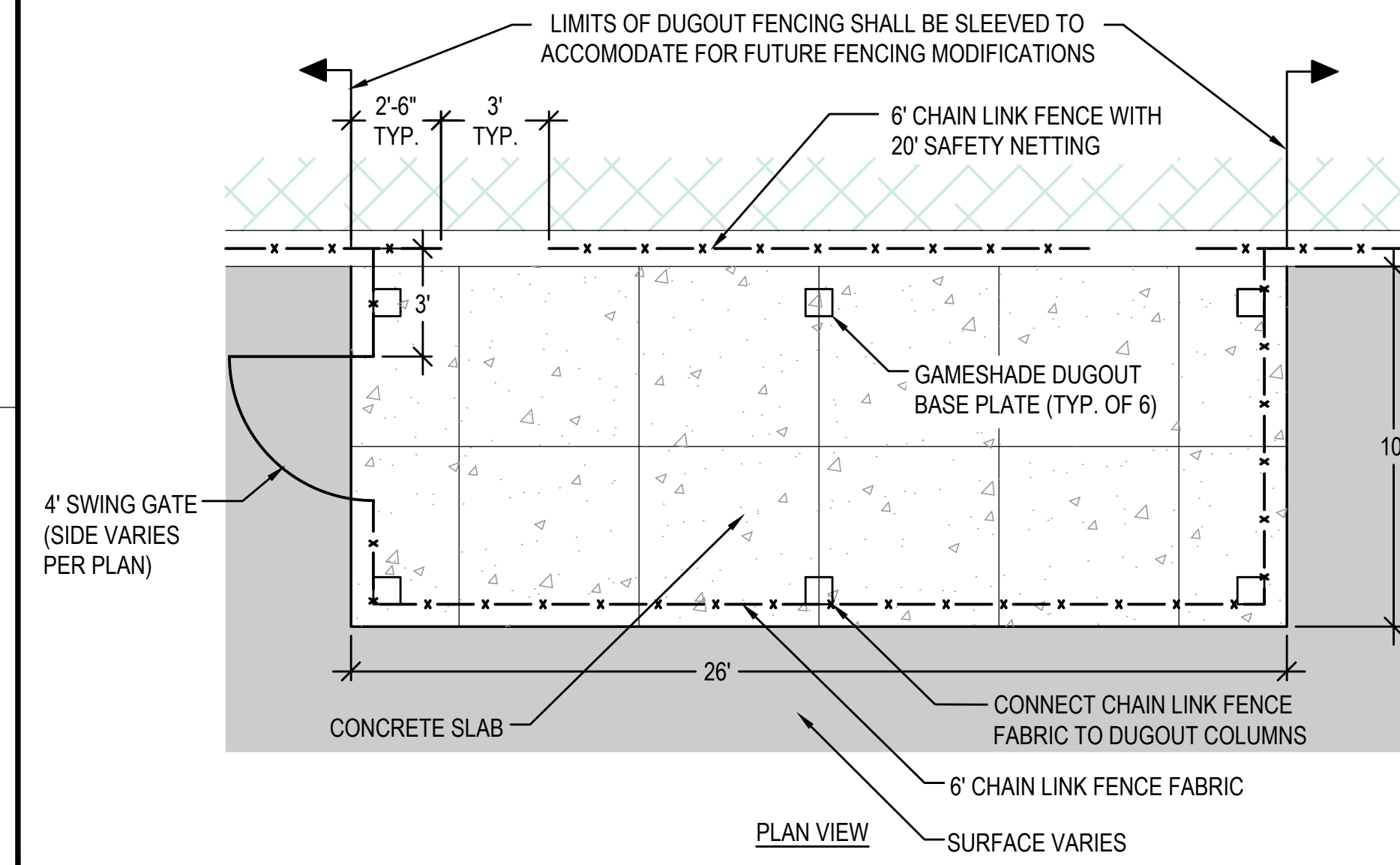
4 CONNECTION TO MANHOLE
N.T.S.



5 SYNTHETIC TURF SOFTBALL FIELD SECTION
N.T.S.

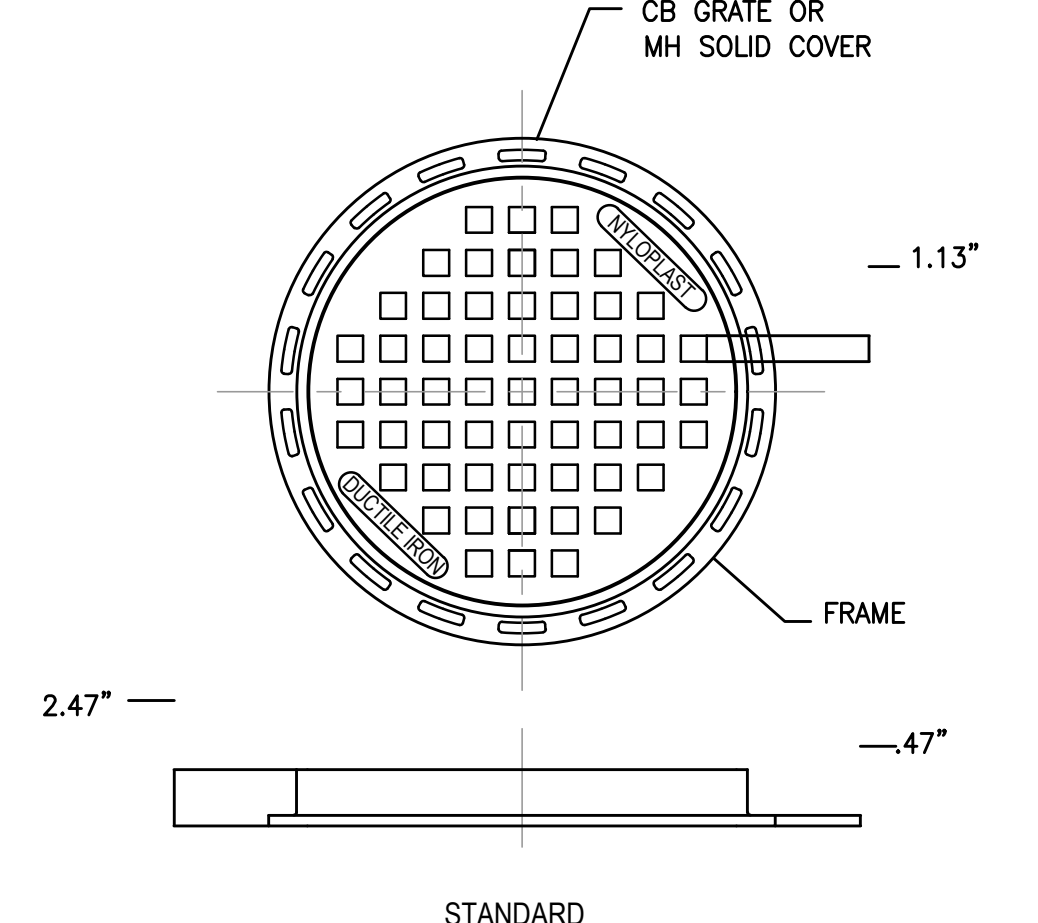


6 CONCRETE ANCHOR CURB W/ CHAIN LINK FENCE
N.T.S.

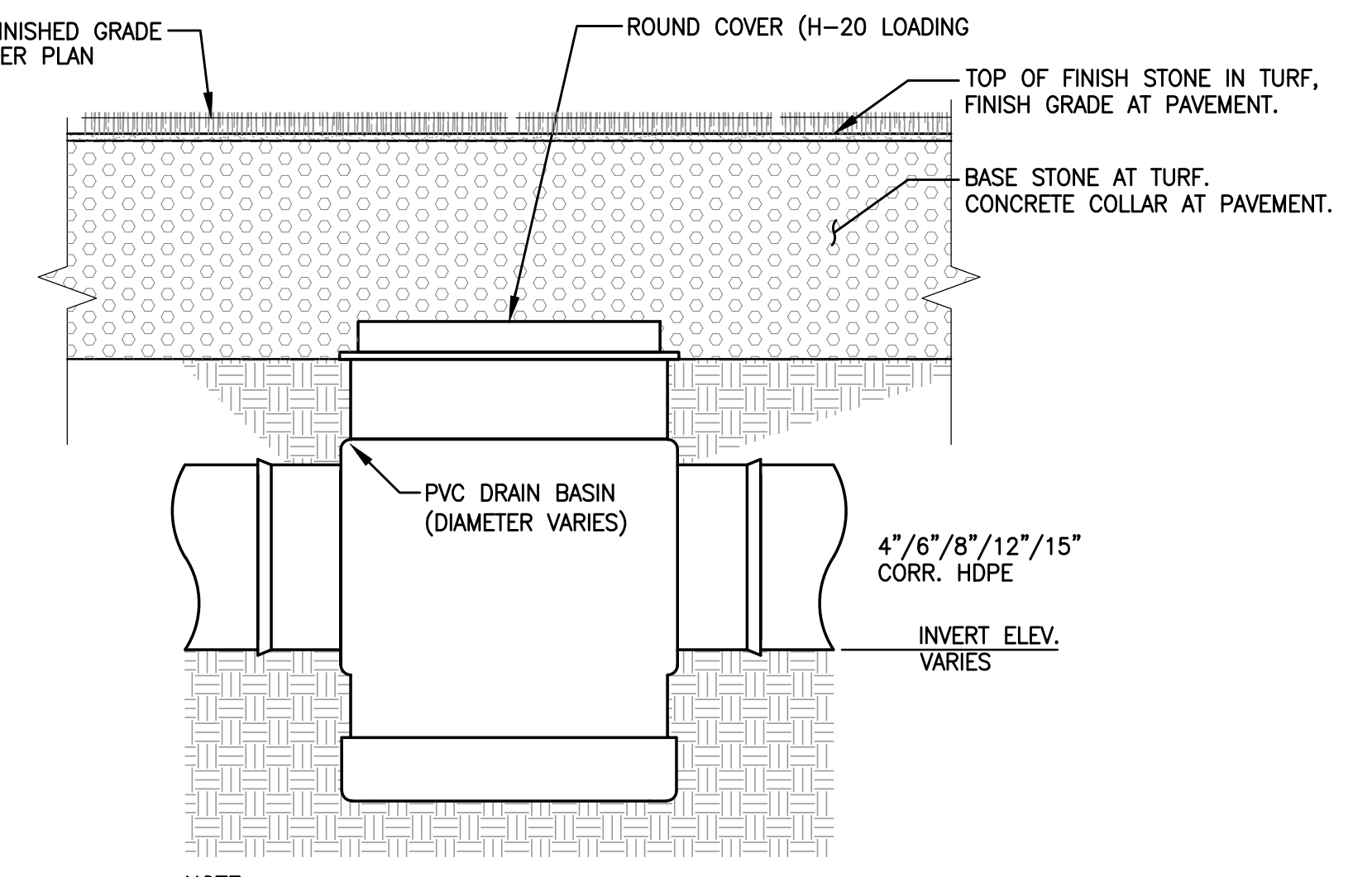


7 SOFTBALL DUGOUT LAYOUT (BOTH DUGOUTS)
N.T.S.

NOTE:
1. DUGOUTS SHALL BE GAMESHADE STRUCTURE, MODEL GD8X24, AS MANUFACTURED BY SPORTSFIELD SPECIALTIES, 41155 STATE HIGHWAY 10, DELHI, NY 13573. CONTRACTOR TO COORDINATE WITH MANUFACTURER WHEN POURING CONCRETE PAD TO INSTALL GAMESHADE STRUCTURE AND FOUNDATIONS PER RECOMMENDATIONS.



8 NYLOPLAST MH/CB COVER
N.T.S.



9 PVC DRAIN MANHOLE
N.T.S.

GALE
Gale Associates, Inc.
Engineers and Planners
163 LIBBEY PARKWAY | WEYMOUTH, MA
02189P 781.335.6465 F 781.335.6467
www.gainc.com
Boston Baltimore Orlando Hartford Bedford

PERMIT SET

PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982

OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C500s		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	N.T.S.		

SHEET TITLE
SOFTBALL DETAILS
SHEET 1 OF 4

DRAWING NO.
C504
19 OF 33

1

2

3

4

5

6

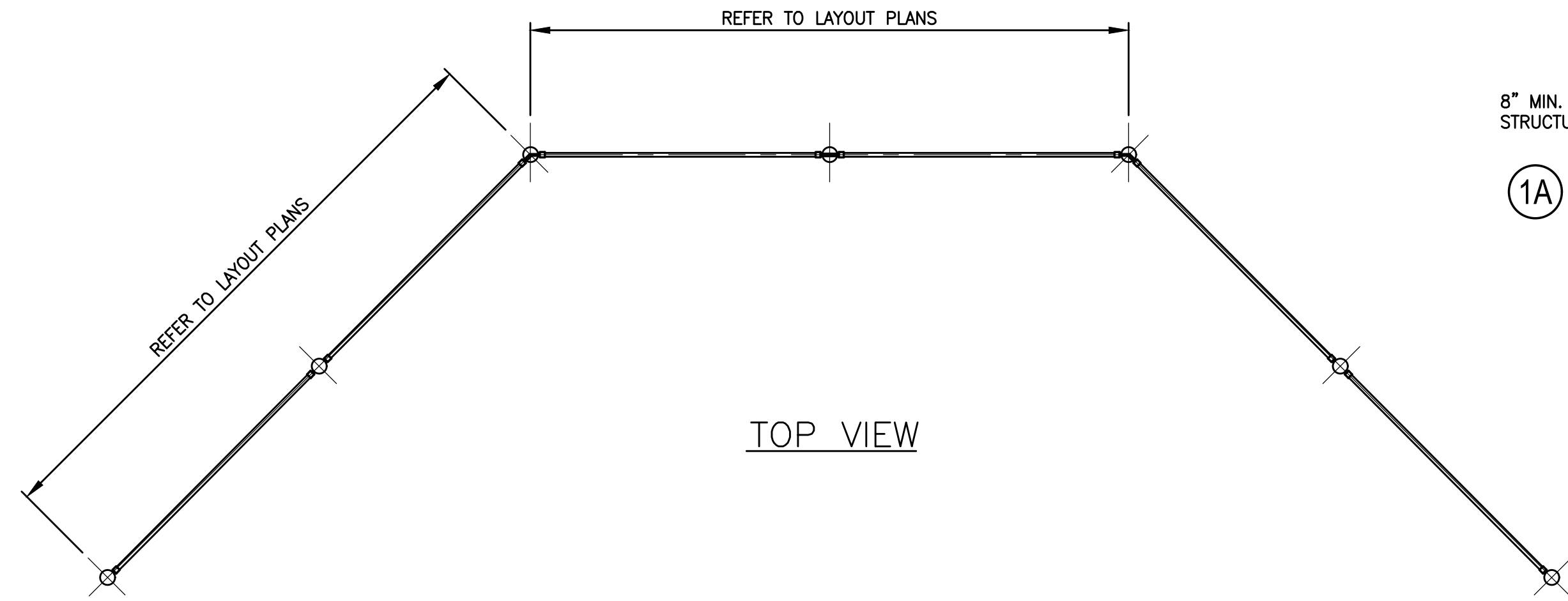
E

D

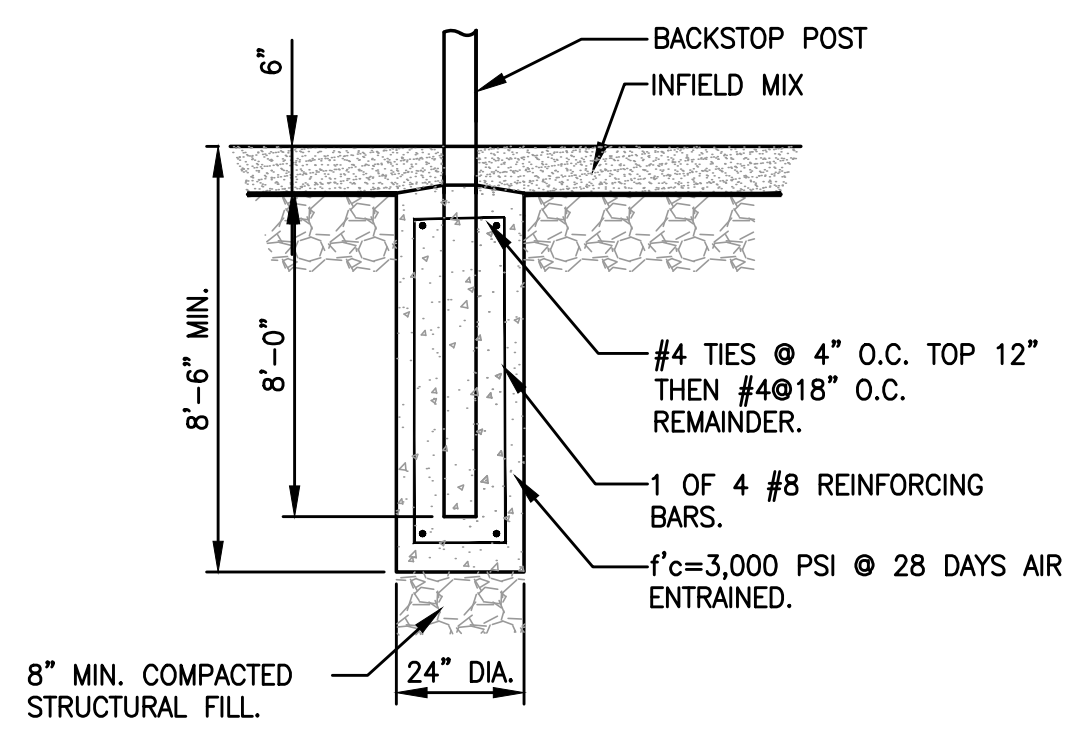
C

B

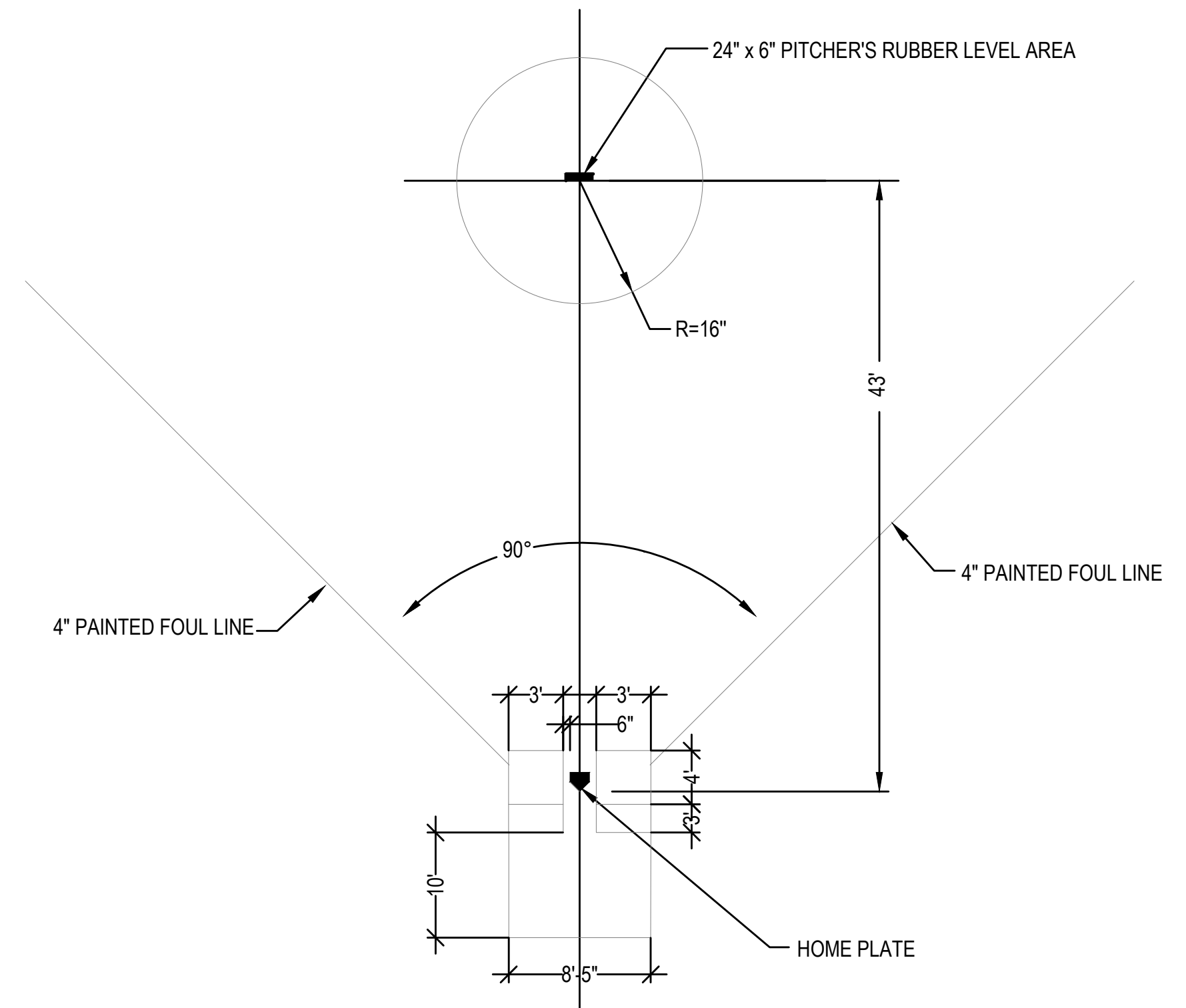
A



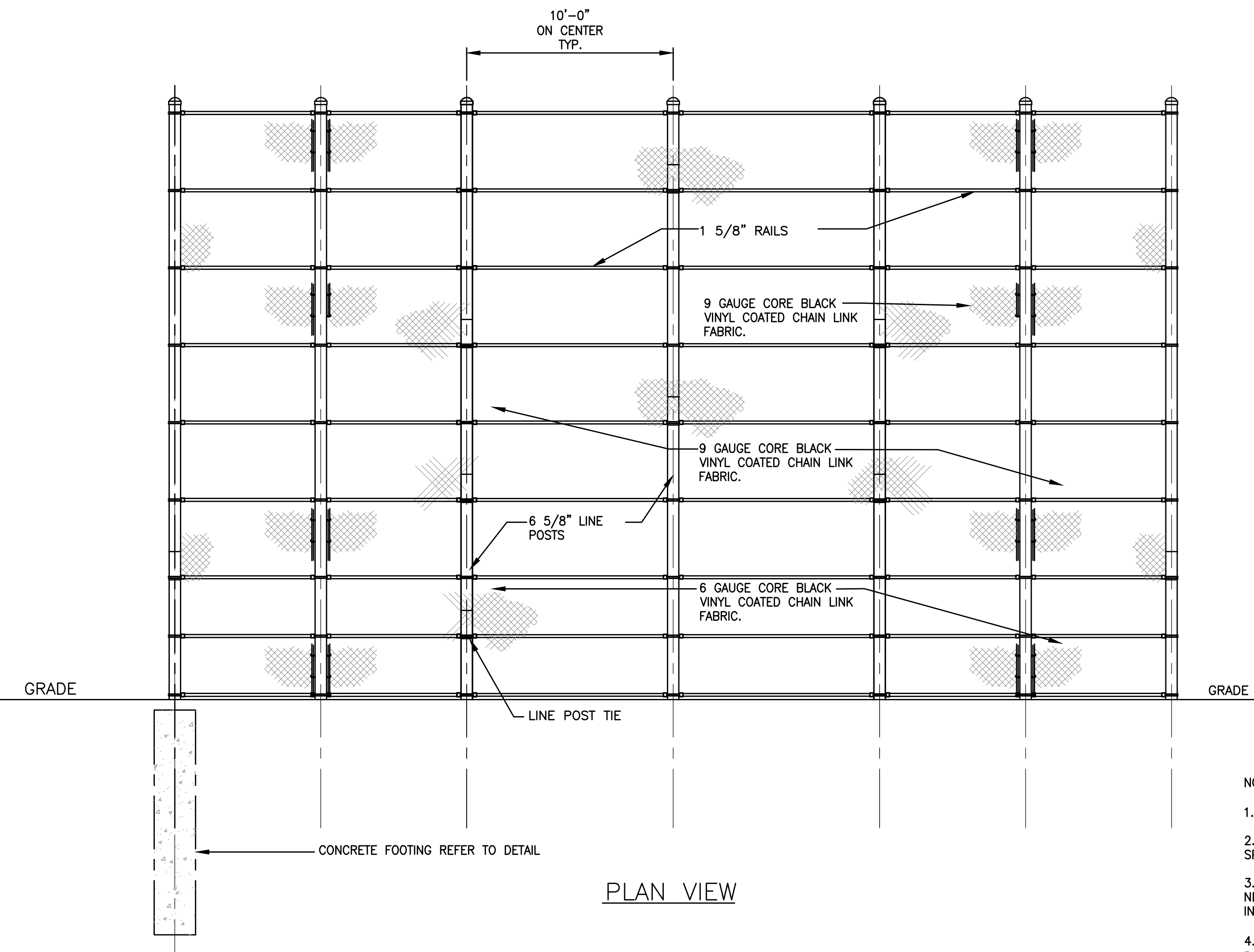
TOP VIEW



1A BACKSTOP FOOTING DETAIL
N.T.S.

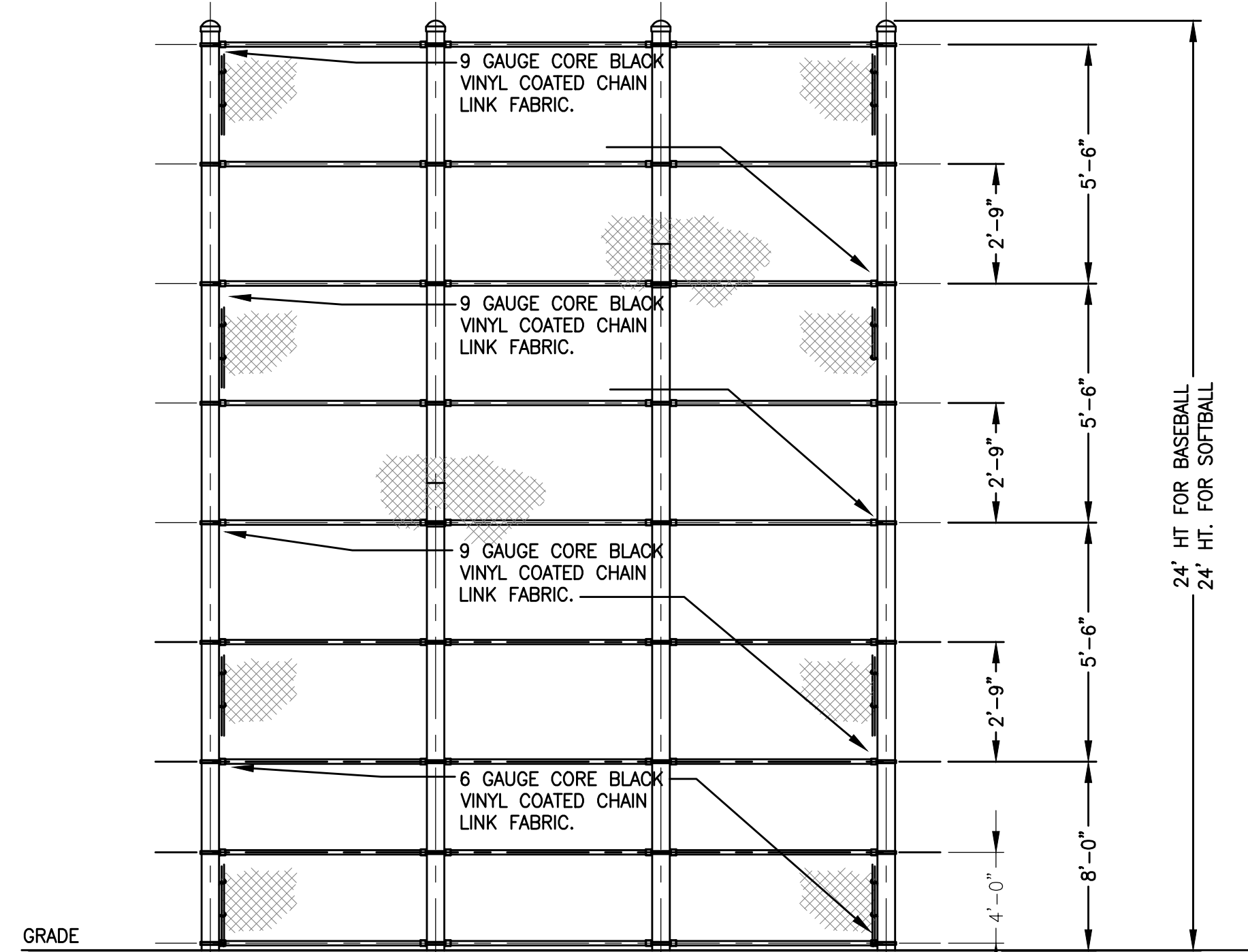


2 SOFTBALL HOME PLATE/PITCHER'S MOUND LAYOUT
N.T.S.



PLAN VIEW

1 BACKSTOP DETAIL
N.T.S.



SIDE VIEW

NOTES:

- CONTRACTOR SHALL PROVIDE 6" FABRIC OVERLAP.
- ALL SPACING FOR WIRE TIES AND RAIL TIES SHALL BE PER SPECIFICATION SECTION 32 3113.
- ALL BACKSTOP FENCING POSTS, FABRIC, TIES AND NECESSARY MATERIALS SHALL BE BLACK PVC COATED AS STATED IN SPECIFICATION SECTION 32 3113.
- ALL BACKSTOP CHAIN LINK FABRIC TO BE KNUCKLED (TOP & BOTTOM). FABRIC TO BE ON FIELD SIDE OF POSTS.



Gale Associates, Inc.
Engineers and Planners

163 LIBBEY PARKWAY | WEYMOUTH, MA
02189P 781.335.6465 F 781.335.6467
www.gainc.com

Boston Baltimore Orlando Hartford Bedford

This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright © 2021

PERMIT SET

PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982

OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C500s		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	N.T.S.		

GRAPHIC SCALE

SHEET TITLE

SOFTBALL DETAILS
SHEET 2 OF 4

DRAWING NO.

C505

20 OF 33



Gale Associates, Inc.
 Engineers and Planners
 163 LIBBEY PARKWAY | WEYMOUTH, MA
 02189P 781.335.6465 F 781.335.6467
 www.gainc.com
 Boston Baltimore Orlando Hartford Bedford

This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2021

PERMIT SET

PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982

OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

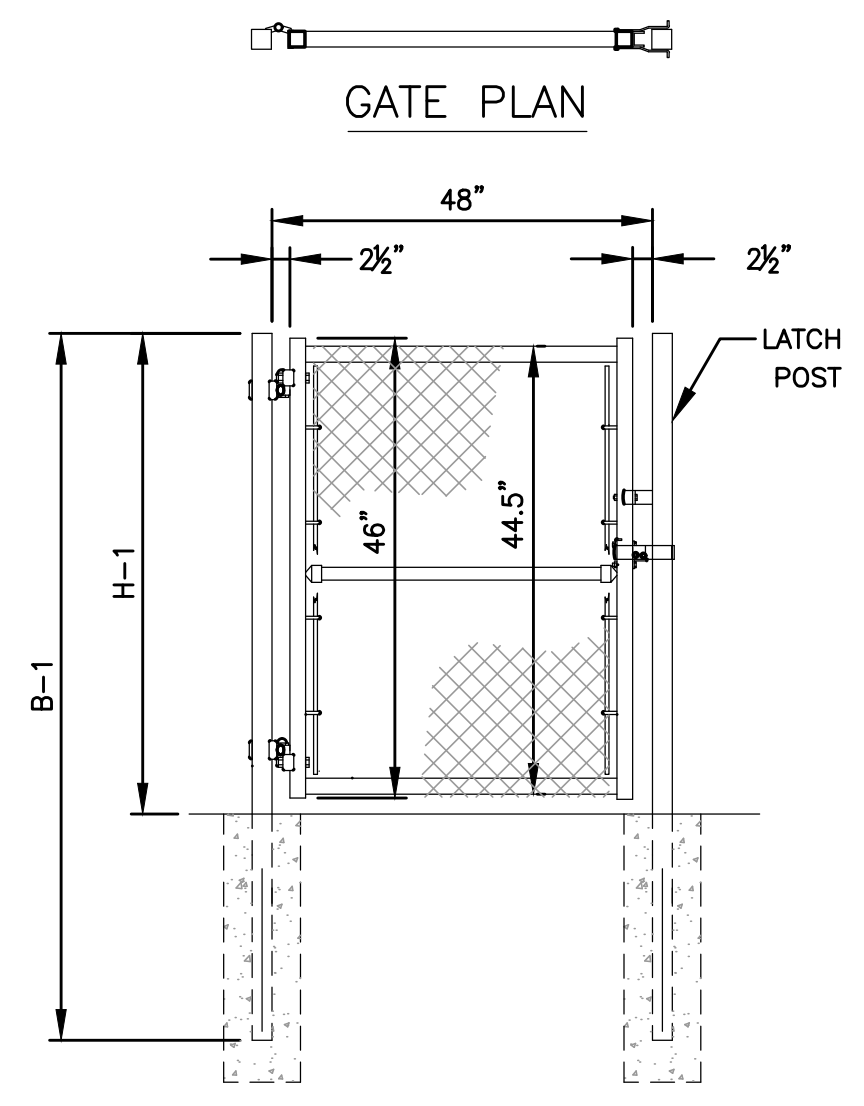
NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C500s		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	N.T.S.		

GRAPHIC SCALE

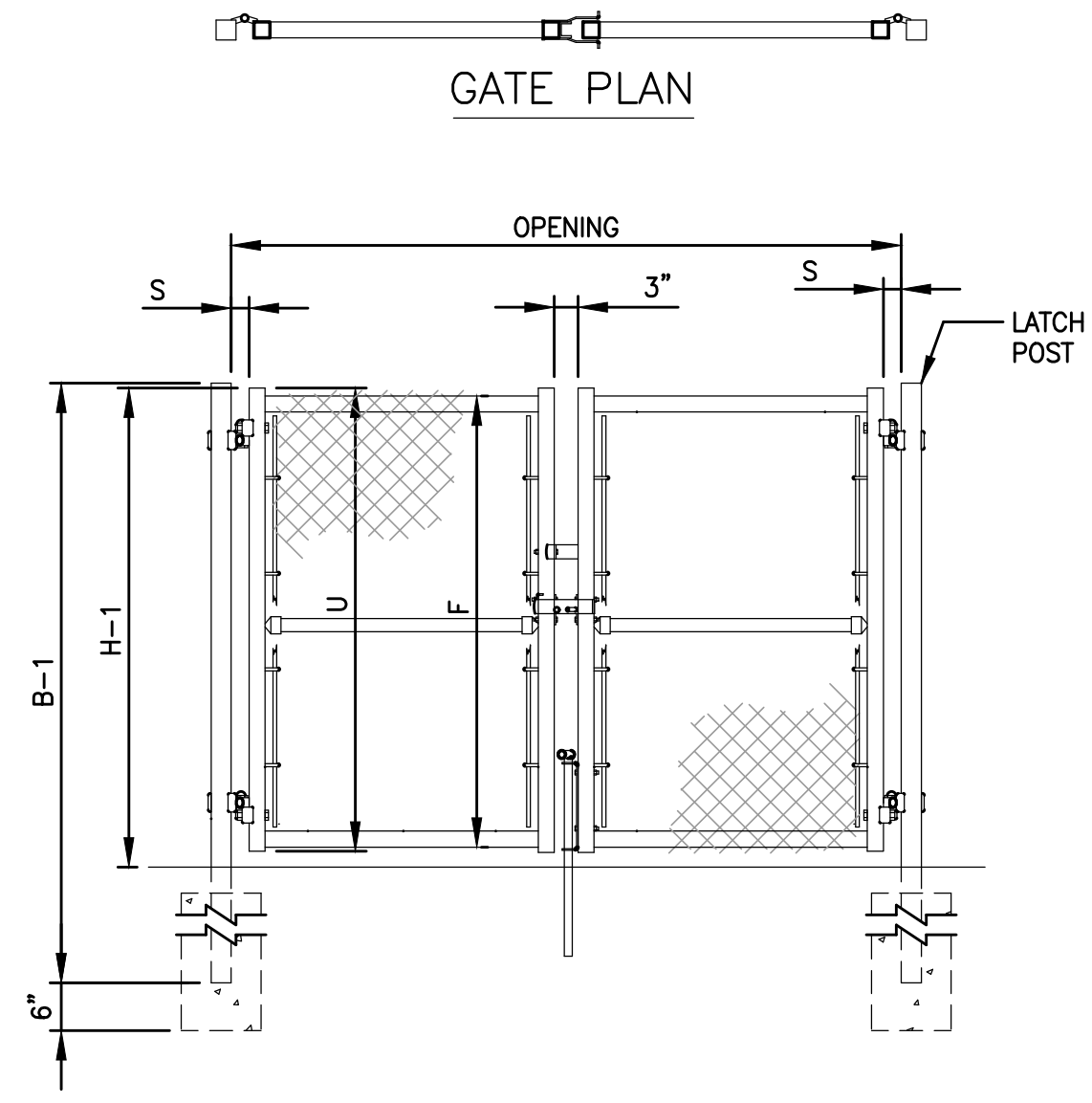
SHEET TITLE

SOFTBALL DETAILS
SHEET 3 OF 4

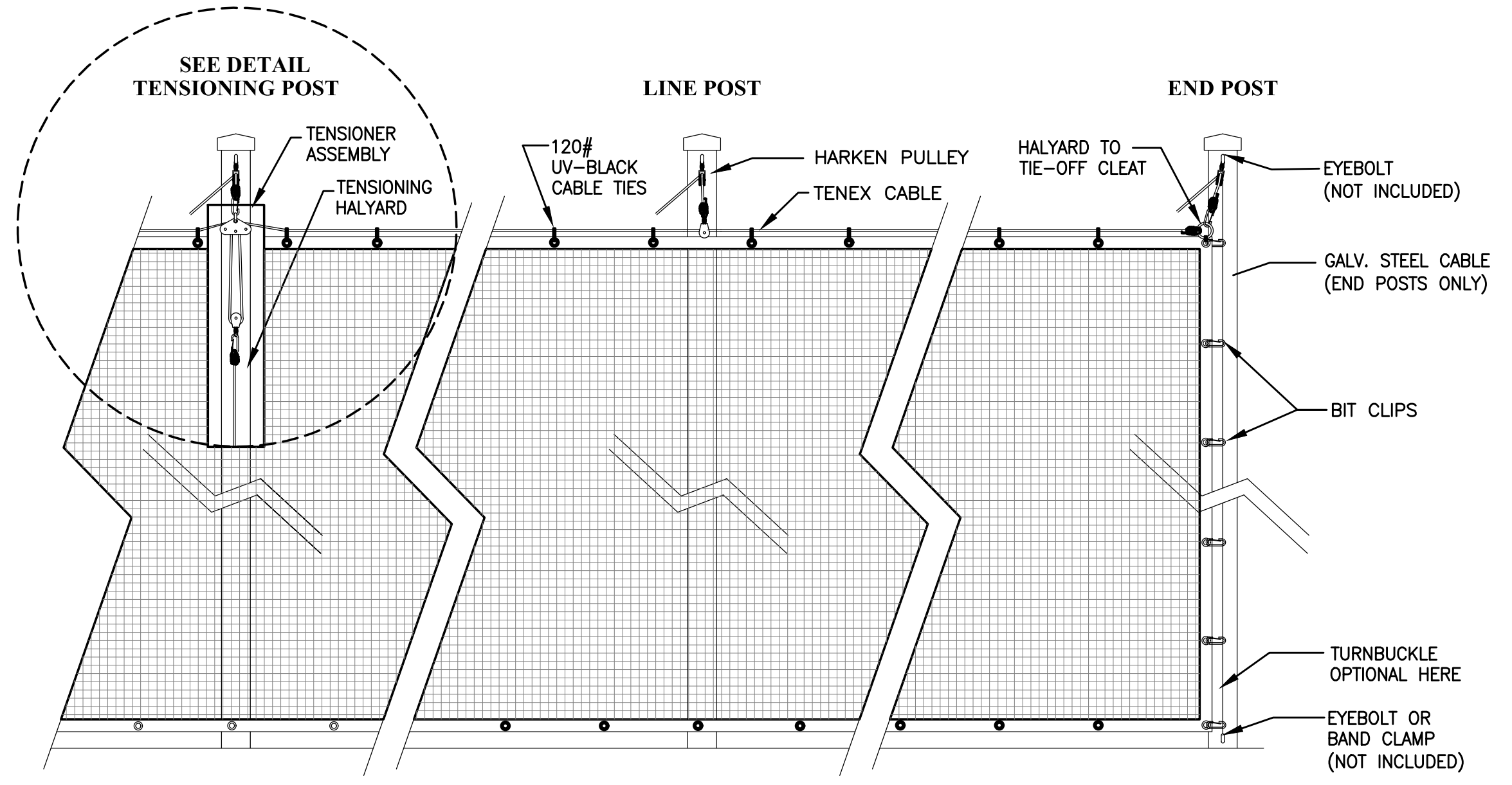
DRAWING NO.
C506
 21 OF 33



1 4' WIDE SINGLE LEAF GATE DETAIL
 N.T.S.

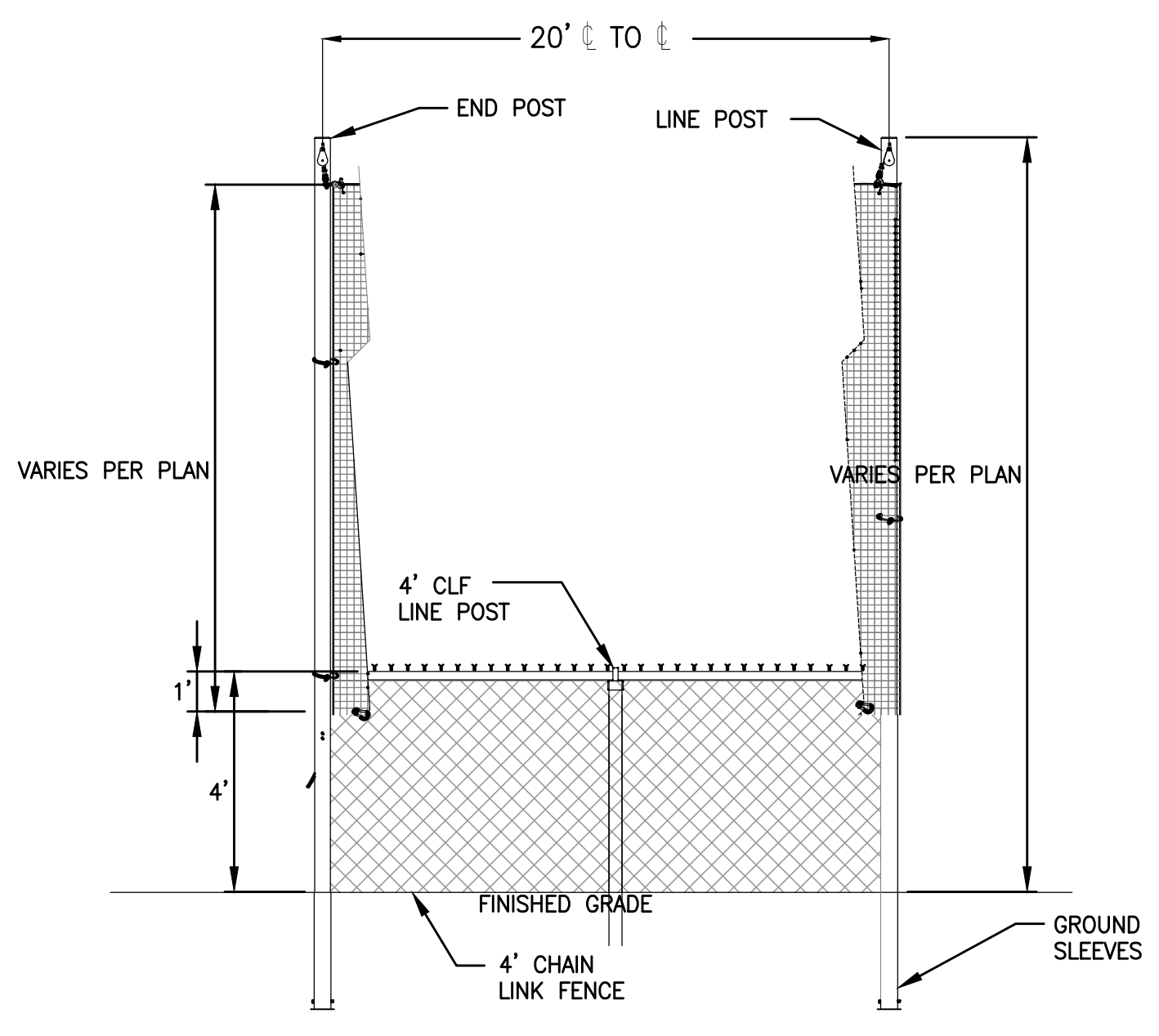


2 DOUBLE GATE DETAIL
 N.T.S.



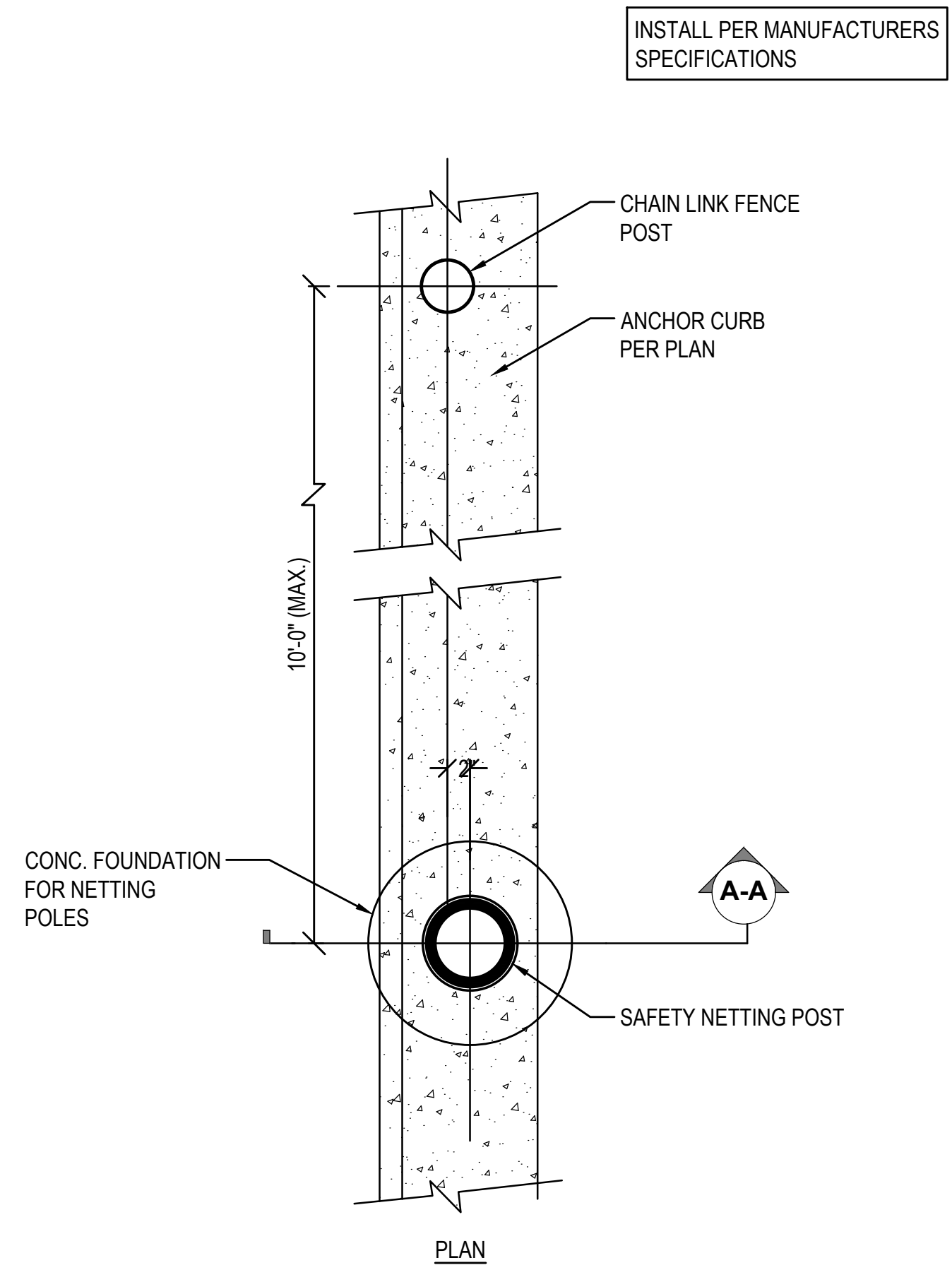
- NOTES:
- #504 KNOTLESS NYLON ~ 180-LB. BREAK STRENGTH
 - 1-3/4" SQUARE MESH BLACK - UV TREATED
 - VINYL HEMS AND GROMMETS SPACED EVERY FOOT ON ALL SIDES OF EACH PANEL
 - POST SHALL BE 4.00" OD ALUMINUM BLACK VINYL COATED SPACED 20' O.C.

3 SAFETY NETTING SYSTEM
 N.T.S.

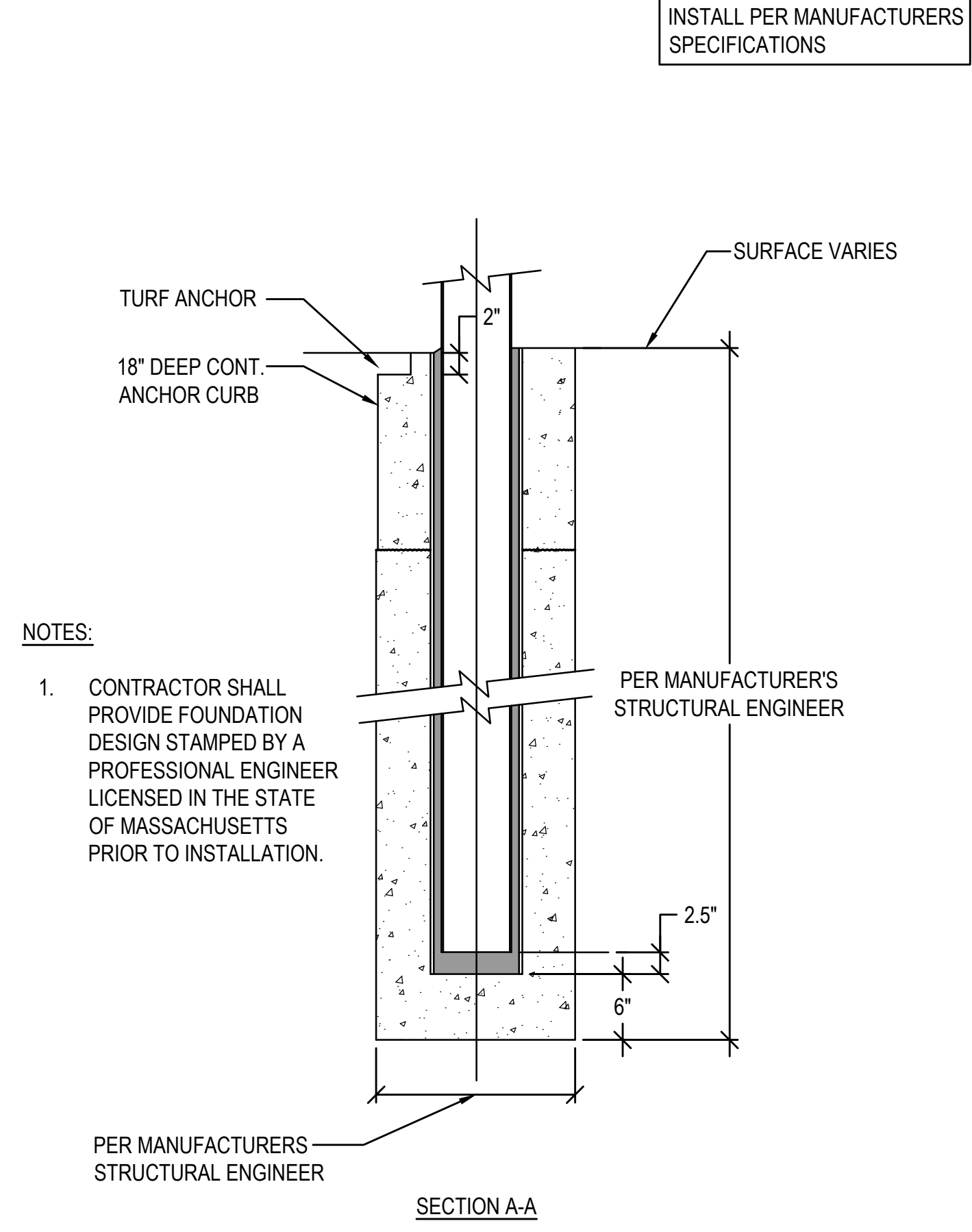


- NOTES:
- NETTING SHALL OVERLAP WITH THE CHAIN LINK FENCE A MINIMUM OF 1-FOOT AND SHALL BE SECURED TO THE FENCING FABRIC WITH QUICK CLIP SPRING HOOKS.
 - NETTING SHALL OVERLAP THE CHAIN LINK FENCE ON THE PLAYING FIELD SIDE OF THE FENCE FABRIC.

4 FENCING AND SAFETY NETTING DETAIL
 N.T.S.

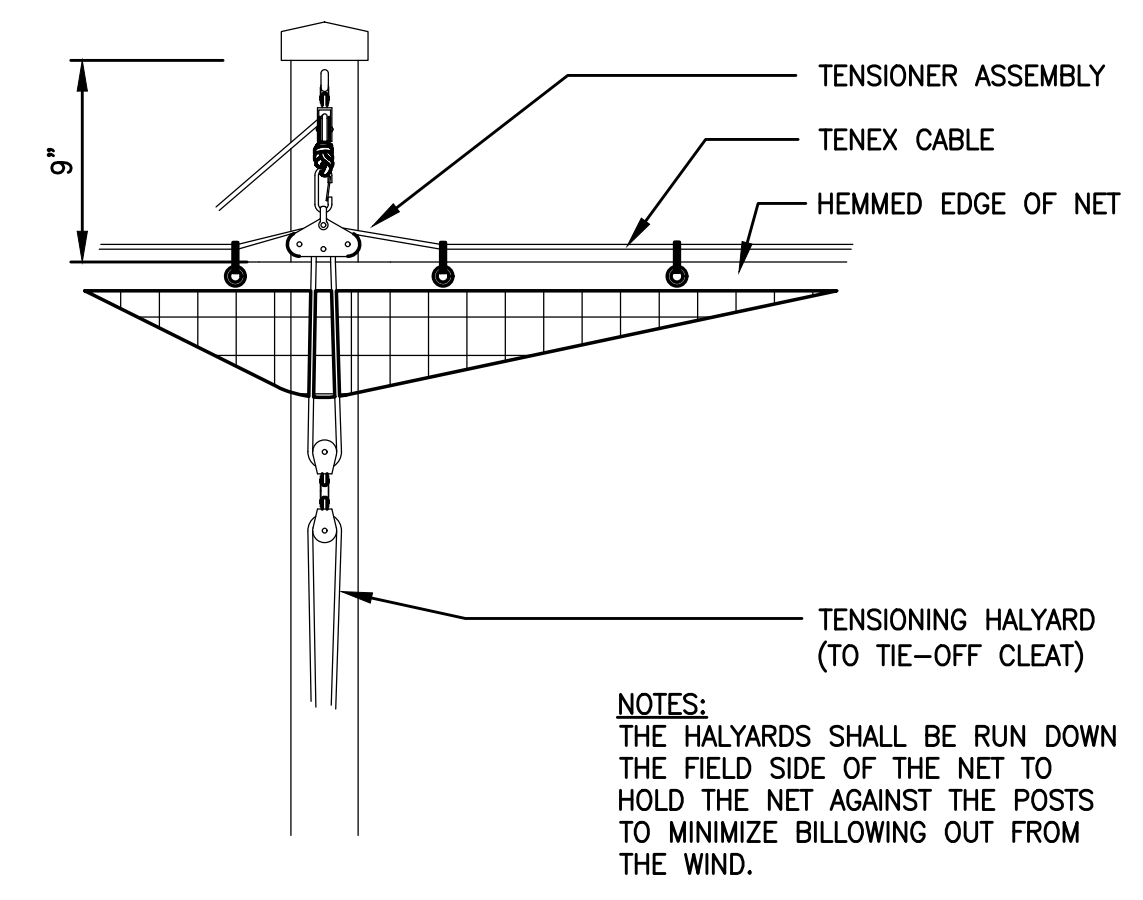


5 SAFETY NETTING FOUNDATION
 N.T.S.



- NOTES:
- CONTRACTOR SHALL PROVIDE FOUNDATION DESIGN STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MASSACHUSETTS PRIOR TO INSTALLATION.

6 SECTION AT SAFETY NETTING SYSTEM FOUNDATION
 N.T.S.



- NOTES:
- THE HALYARDS SHALL BE RUN DOWN THE FIELD SIDE OF THE NET TO HOLD THE NET AGAINST THE POSTS TO MINIMIZE BILLOWING OUT FROM THE WIND.

7 TENSIONING POST DETAIL
 N.T.S.

INSTALL PER MANUFACTURERS SPECIFICATIONS

INSTALL PER MANUFACTURERS SPECIFICATIONS

FENCE HEIGHT	END & CORNER POSTS		LINE POSTS	
	B-1 BAR LENGTH	H-1 HEIGHT ABOVE GRADE	B-2 BAR LENGTH	H-2 HEIGHT ABOVE GRADE
4'-0"	7'-0"	4'-0 5/8"	6'-8"	3'-8 7/8"
6'-0"	9'-0"	6'-0 5/8"	8'-8"	5'-8 7/8"
8'-0"	11'-0"	8'-0 5/8"	10'-8"	7'-8 7/8"
10'-0"	13'-0"	10'-0 5/8"	12'-8"	9'-8 7/8"

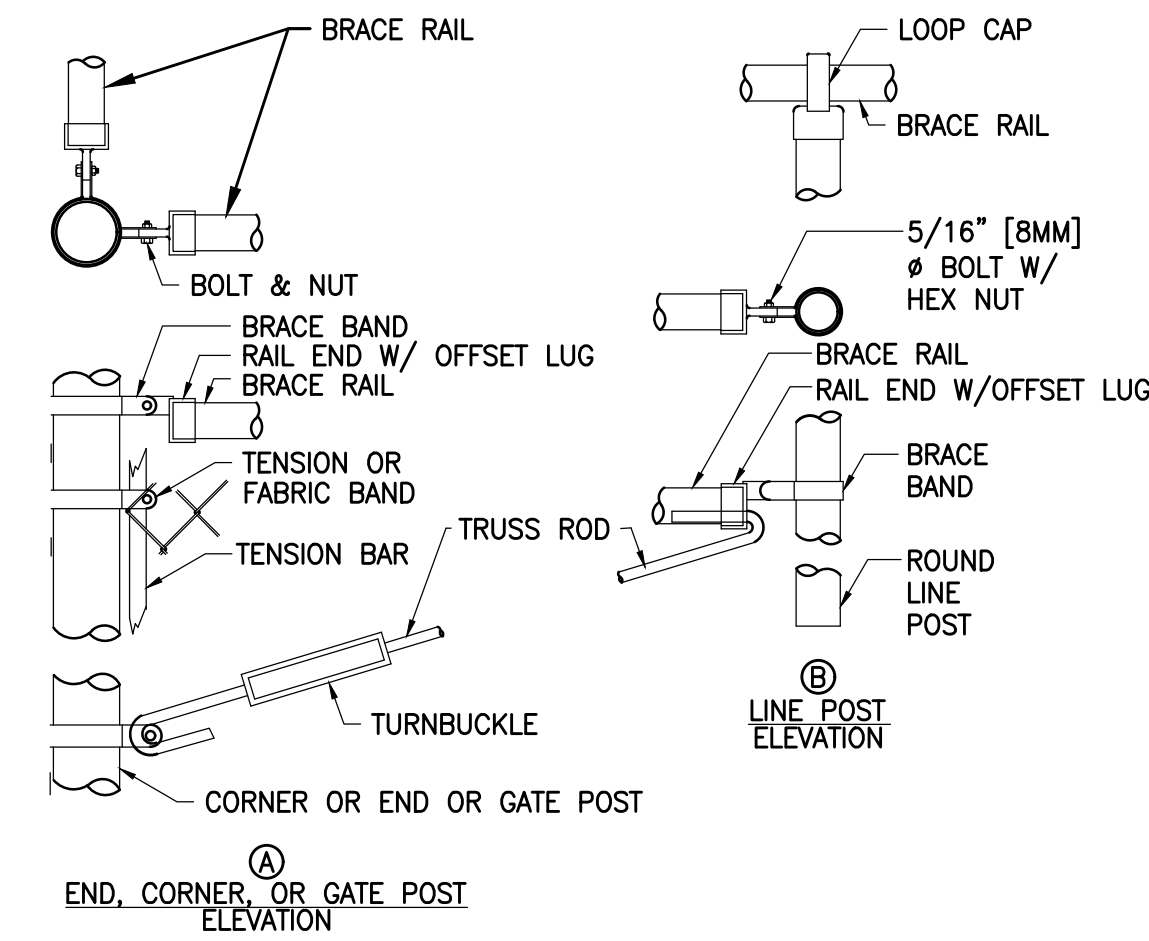
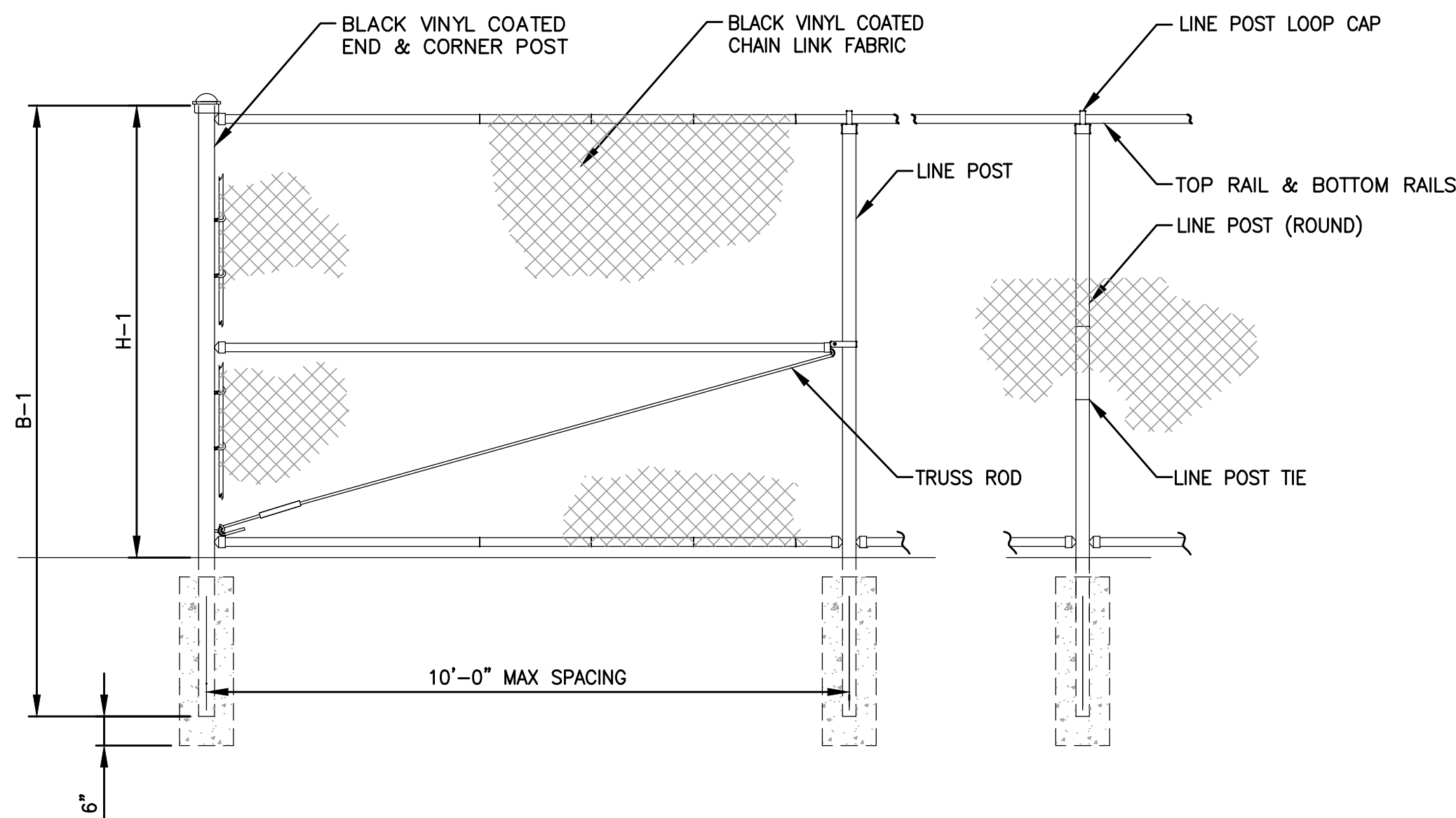
SINGLE OR DOUBLE LEAF GATES		
NOM HEIGHT (H)	UPRIGHT HT (U)	FRAME HT (F)
	ACTUAL DIM	ACTUAL DIM
4'-0"	3'-10"	3'-8 1/2"
6'-0"	5'-10"	5'-8 1/2"
8'-0"	7'-10"	7'-8 1/2"
10'-0"	9'-10"	9'-8 1/2"

SINGLE LEAF GATES		
OPENING	GATE POSTS	HINGE SPACE (S)
FACE TO FACE	SQ & RND SIZES	POST TO UPRIGHT
3'-0" THROUGH 6'-0"	2 1/2" SQ. OR 2 7/8" O.D.	FOR SQUARE & ROUND GATE POSTS: 2 1/4" [57MM]

DOUBLE LEAF GATES		
OPENING	GATE POSTS	HINGE SPACE (S)
FACE TO FACE	SQ & RND SIZES	POST TO UPRIGHT
14'-0" THROUGH 24'-0"	3" SQ. OR 4" O.D.	FOR SQUARE & ROUND GATE POSTS: 2 1/4" [57MM]

NOTES:

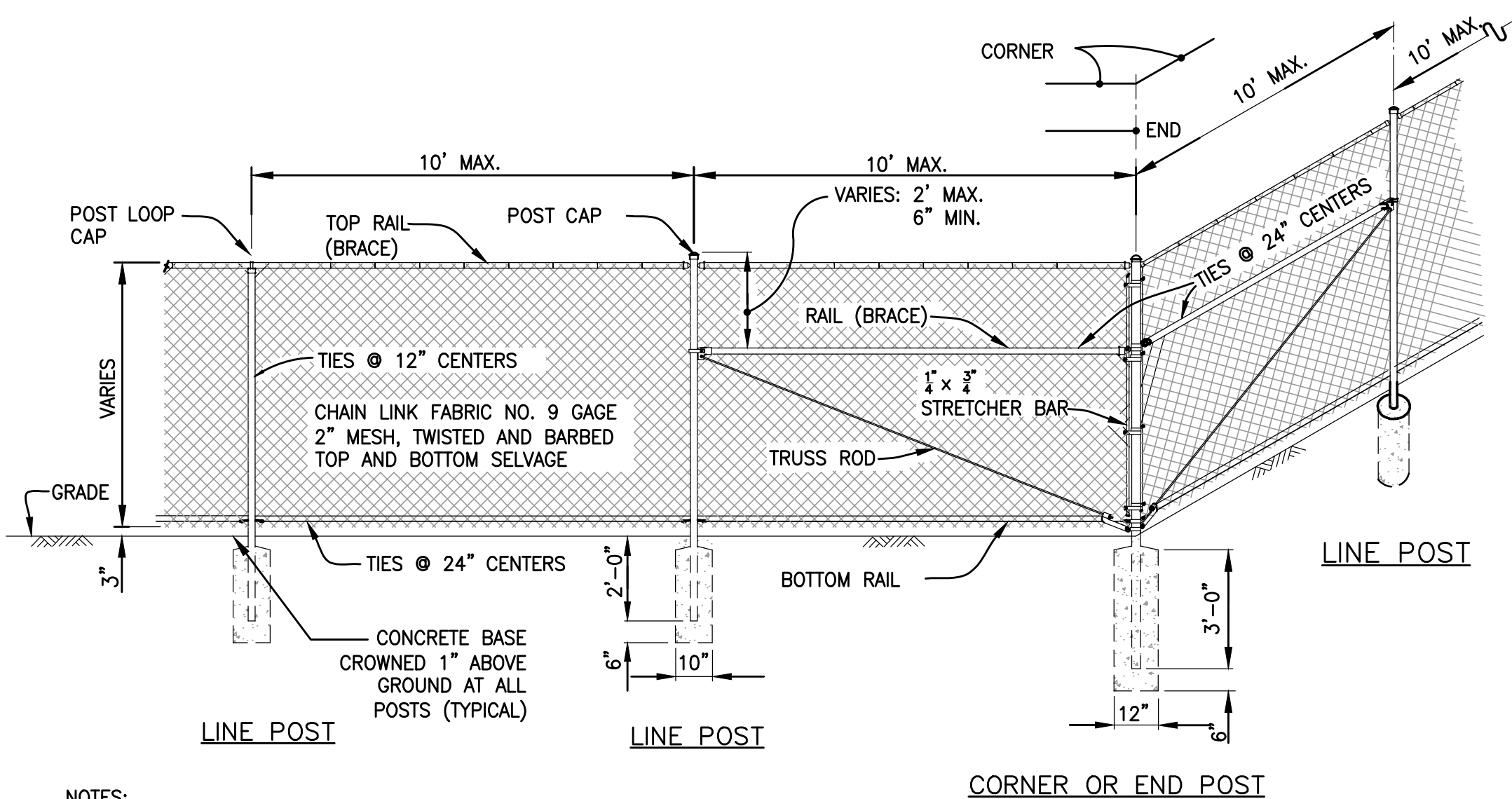
1. ALL CHAIN LINK FENCE FABRIC SHALL BE KNUCKLED (TOP AND BOTTOM).
2. ALL CHAIN LINK FENCE POSTS, FABRIC, TIES AND MATERIALS SHALL BE BLACK POWDER COATED.
3. CENTER UPRIGHT REQUIRED ON GATE LEAVES 8'-0" & WIDER. CENTER RAIL REQUIRED ON GATE LEAVE 6'-0" & HIGHER.
4. CONCRETE FOOTINGS SHALL BE FOUR (4) x THE POST DIAMETER, OR AS DESIGNATED ON INDIVIDUAL DETAILS.



1 CHAIN LINK FENCE AND GATE NOTES
N.T.S.

2 CHAIN LINK FENCE
N.T.S.

3 CHAIN LINK FENCE & GATE CONNECTION DETAIL
N.T.S.



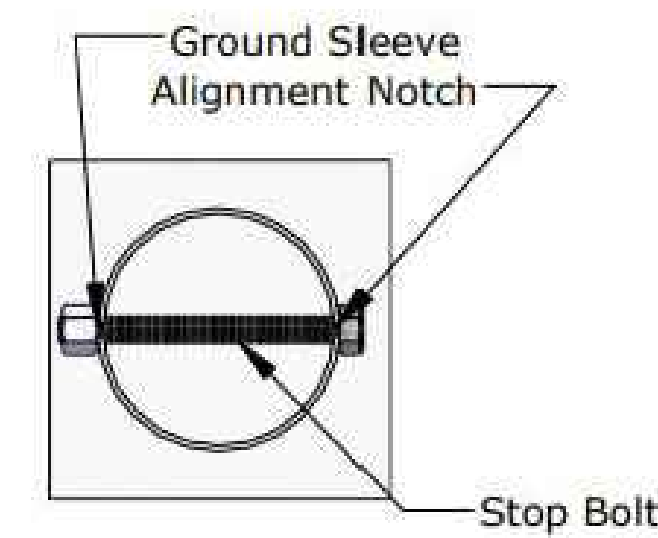
NOTES:

1. ALL CHAIN LINK FENCE FABRIC SHALL BE KNUCKLED (TOP AND BOTTOM)
2. ALL CHAIN LINK FENCE POSTS, FABRIC, TIES AND MATERIALS SHALL BE BLACK PVC COATED.
3. CONCRETE FOOTINGS SHALL BE FOUR (4) x THE POST DIAMETER, OR AS DESIGNATED ON INDIVIDUAL DETAILS.
4. HOLD TOP OF CONCRETED FOOTING 6" BELOW GRADE

4 CHAIN LINK FENCE CORNER DETAIL
N.T.S.

Note: All measurements are center-to-center of ground sleeve

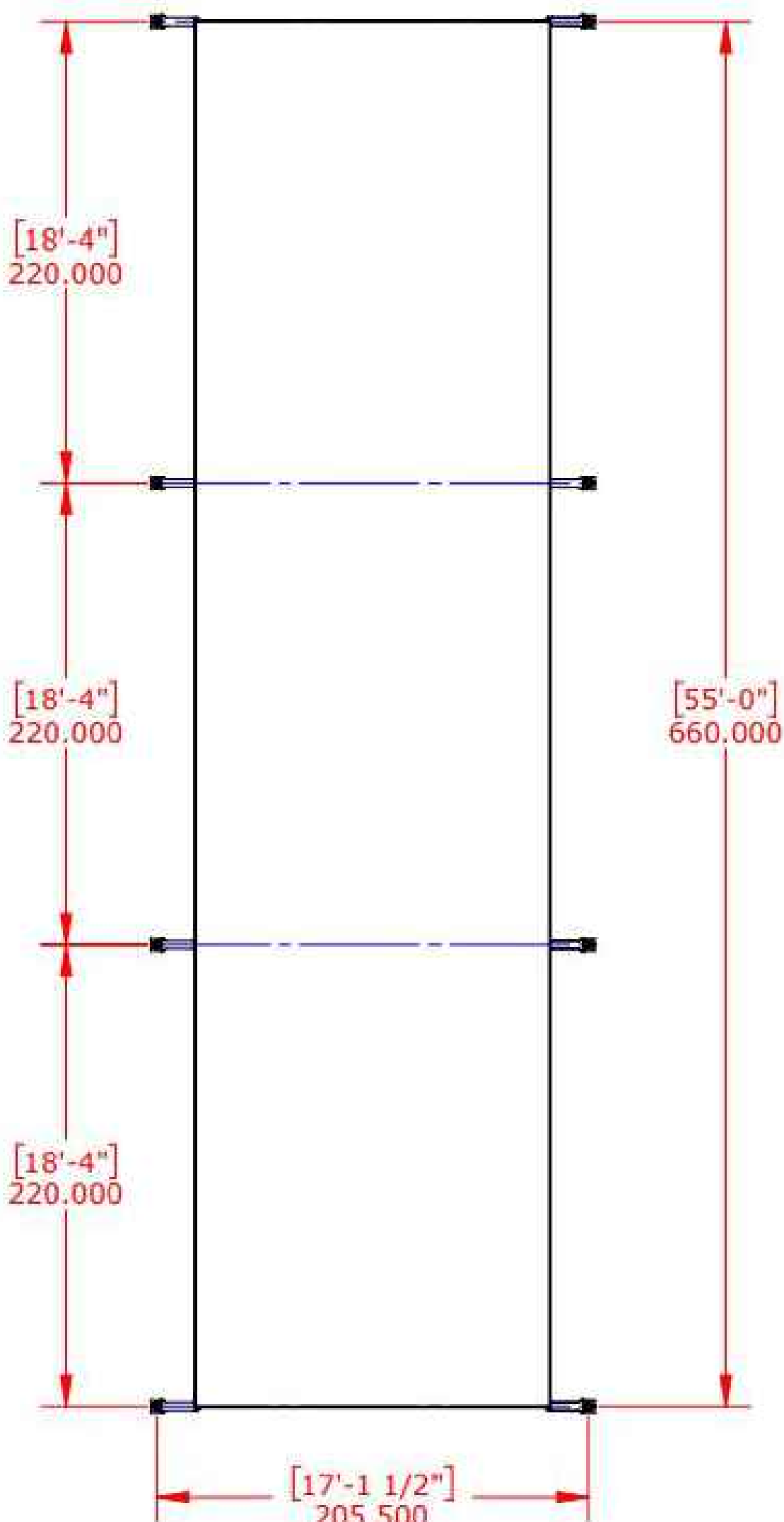
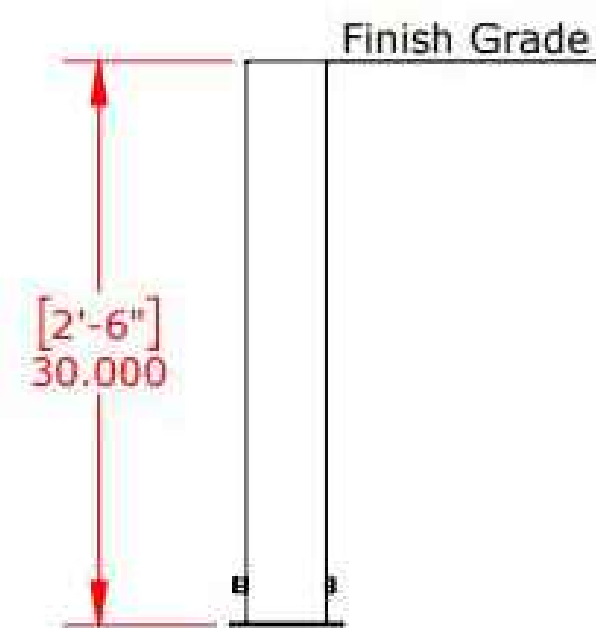
For foundation requirements please refer to contract documents and/or local codes/conditions



Stop bolt/alignment notches must be installed in correct position to allow for proper orientation of upright pole

Legend:

Alignment Notch Direction



5 SOFTBALL BATTING CAGE
N.T.S.



Gale Associates, Inc.
Engineers and Planners
163 LIBBEY PARKWAY | WEYMOUTH, MA
02189P 781.335.6465 F 781.335.6467
www.gainc.com
Boston Baltimore Orlando Hartford Bedford

This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2021

PERMIT SET

PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982
OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C500s		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	N.T.S.		

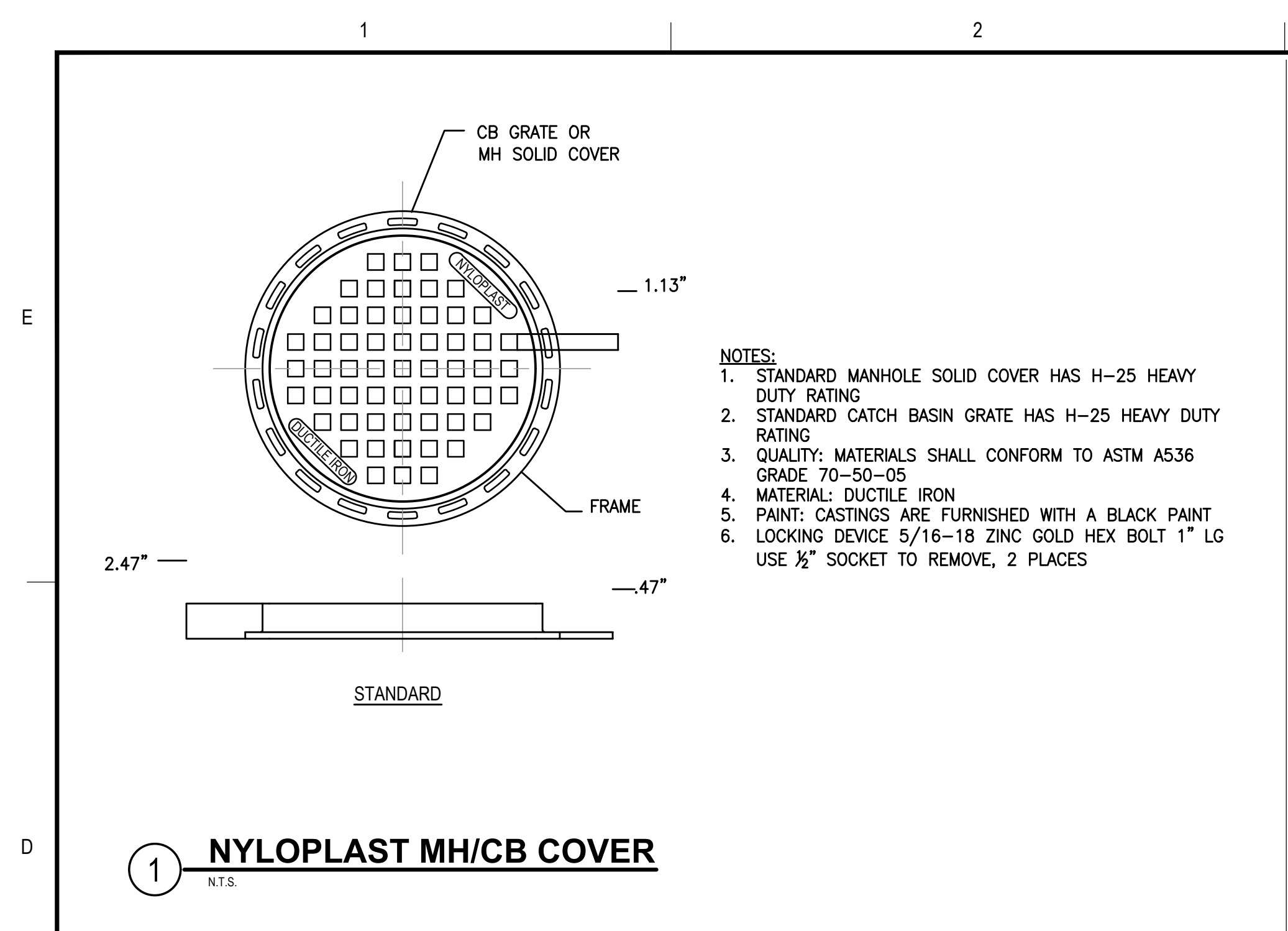
GRAPHIC SCALE

SHEET TITLE

SOFTBALL DETAILS
SHEET 4 OF 4

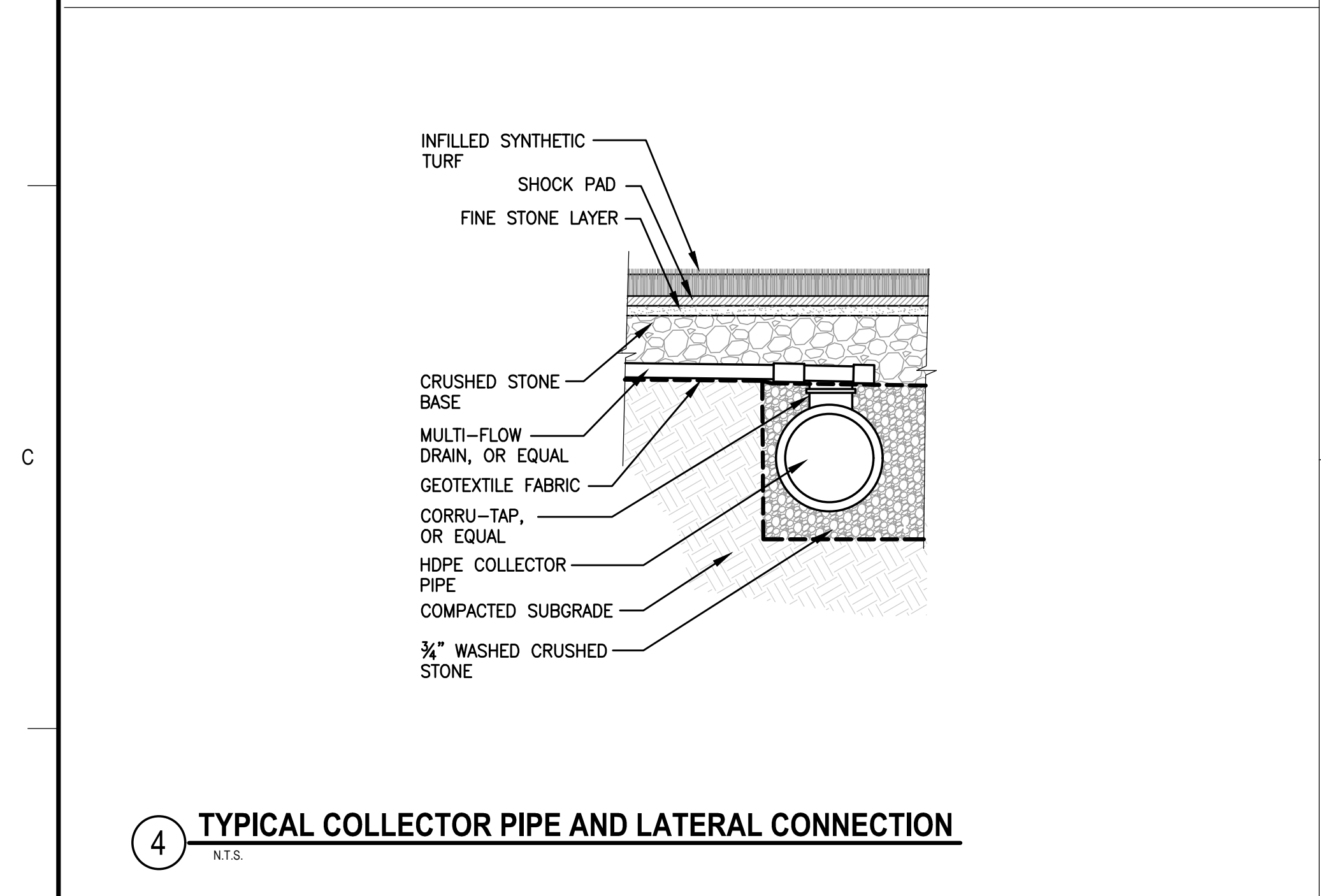
DRAWING NO.

C507

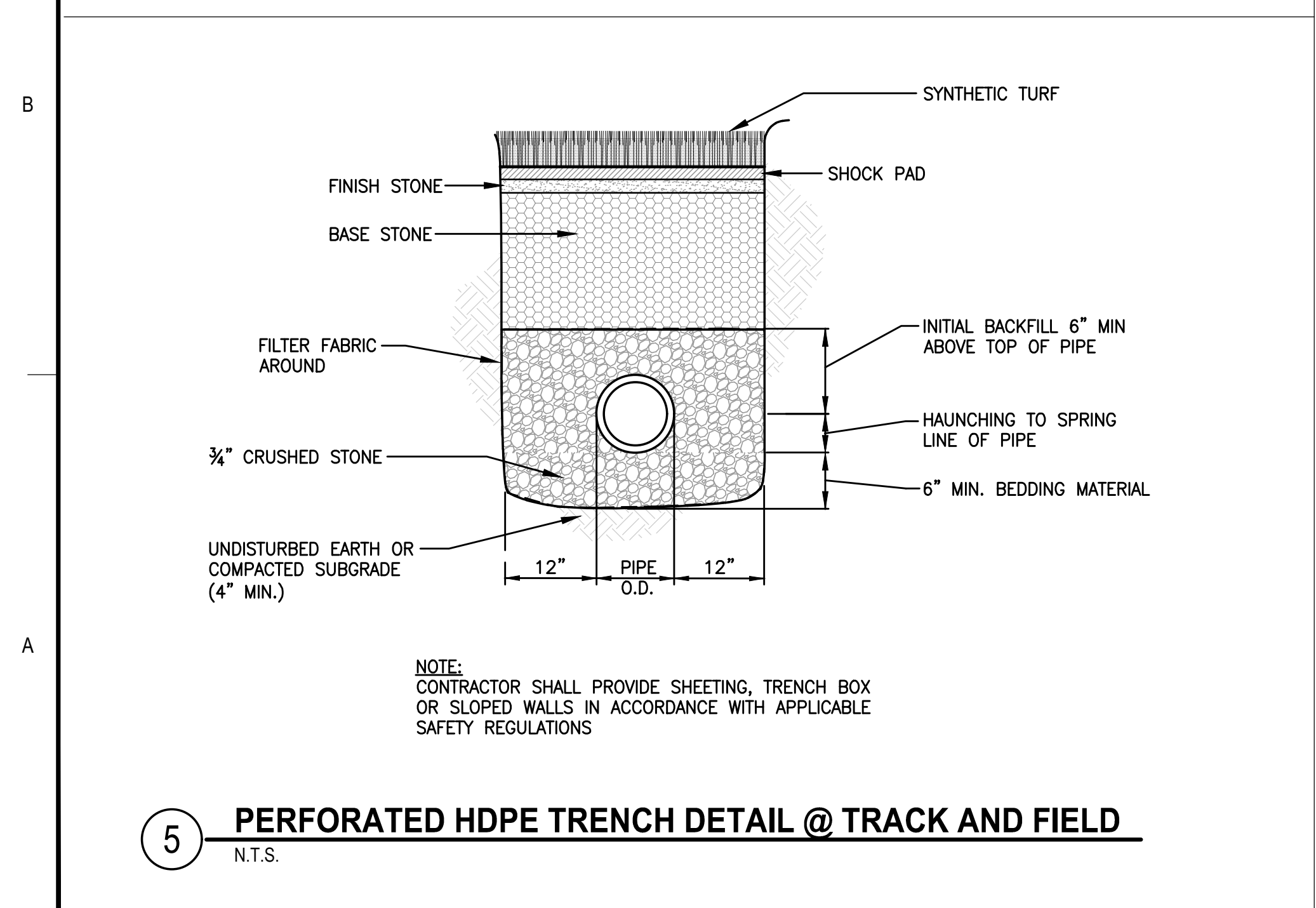


- NOTES:**
- STANDARD MANHOLE SOLID COVER HAS H-25 HEAVY DUTY RATING
 - STANDARD CATCH BASIN GRATE HAS H-25 HEAVY DUTY RATING
 - QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
 - MATERIAL: DUCTILE IRON
 - PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT
 - LOCKING DEVICE 5/16-18 ZINC GOLD HEX BOLT 1" LG USE 1/2" SOCKET TO REMOVE, 2 PLACES

1 NYLOPLAST MH/CB COVER
N.T.S.

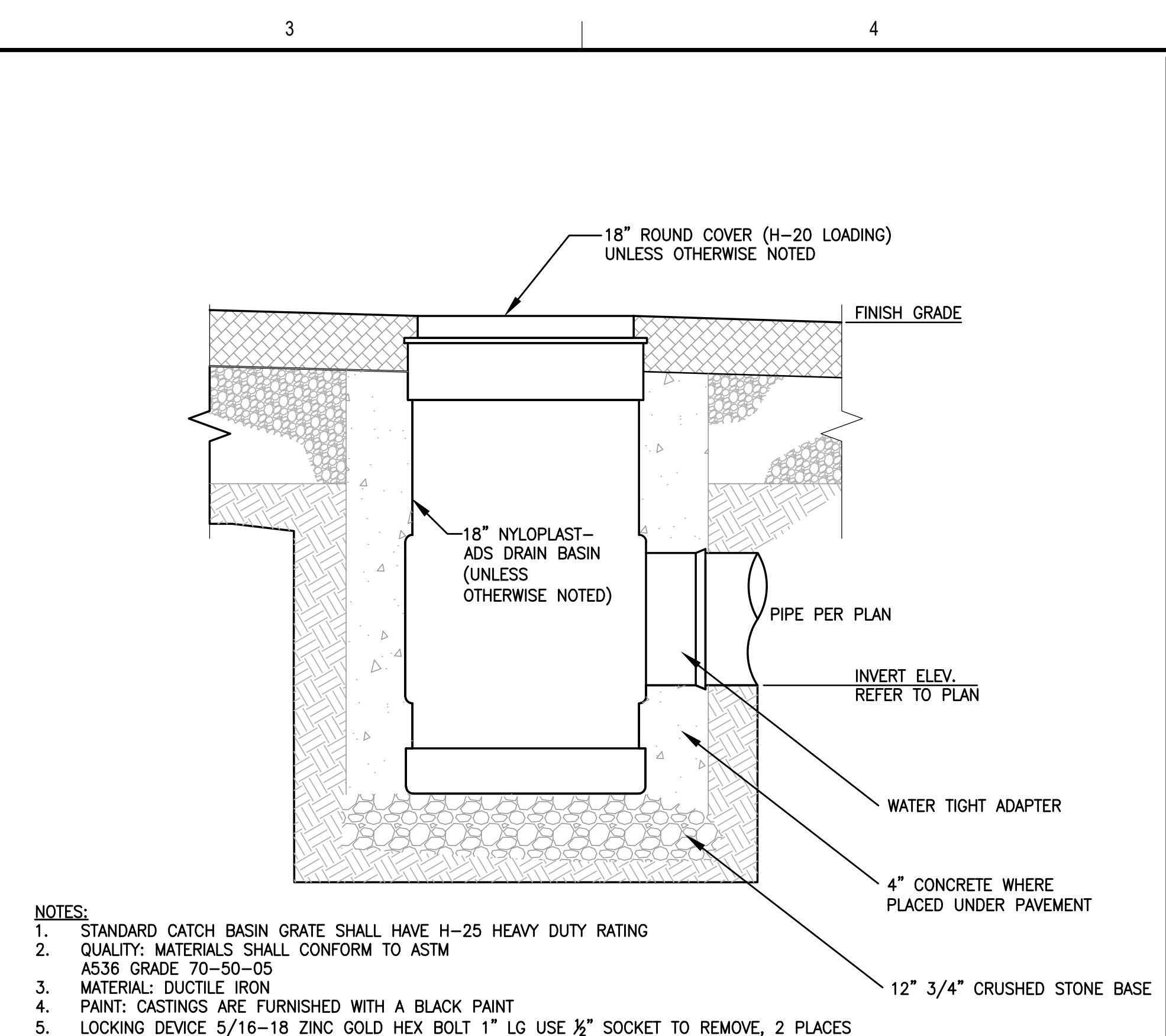


4 TYPICAL COLLECTOR PIPE AND LATERAL CONNECTION
N.T.S.



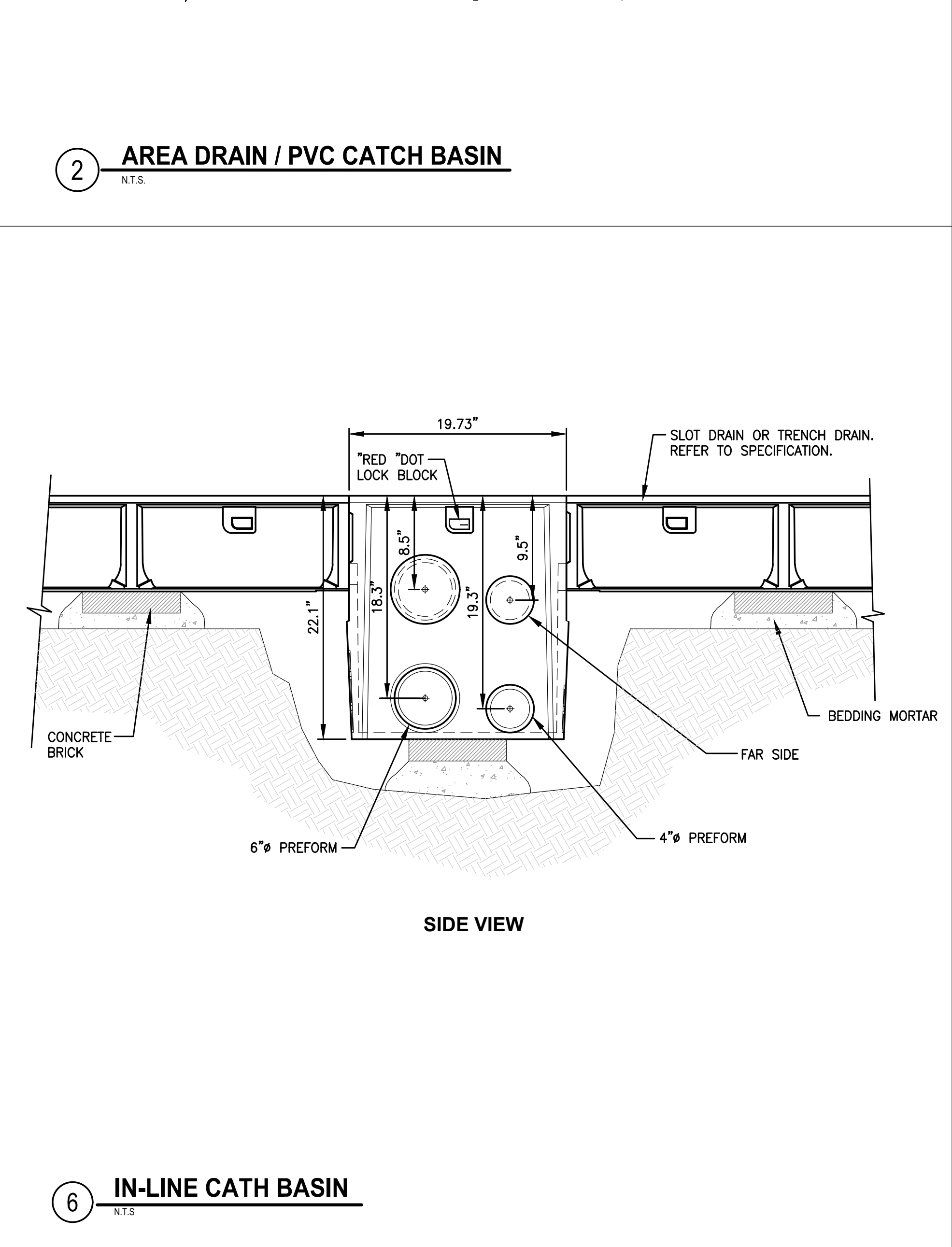
NOTE:
CONTRACTOR SHALL PROVIDE SHEETING, TRENCH BOX OR SLOPED WALLS IN ACCORDANCE WITH APPLICABLE SAFETY REGULATIONS

5 PERFORATED HDPE TRENCH DETAIL @ TRACK AND FIELD
N.T.S.

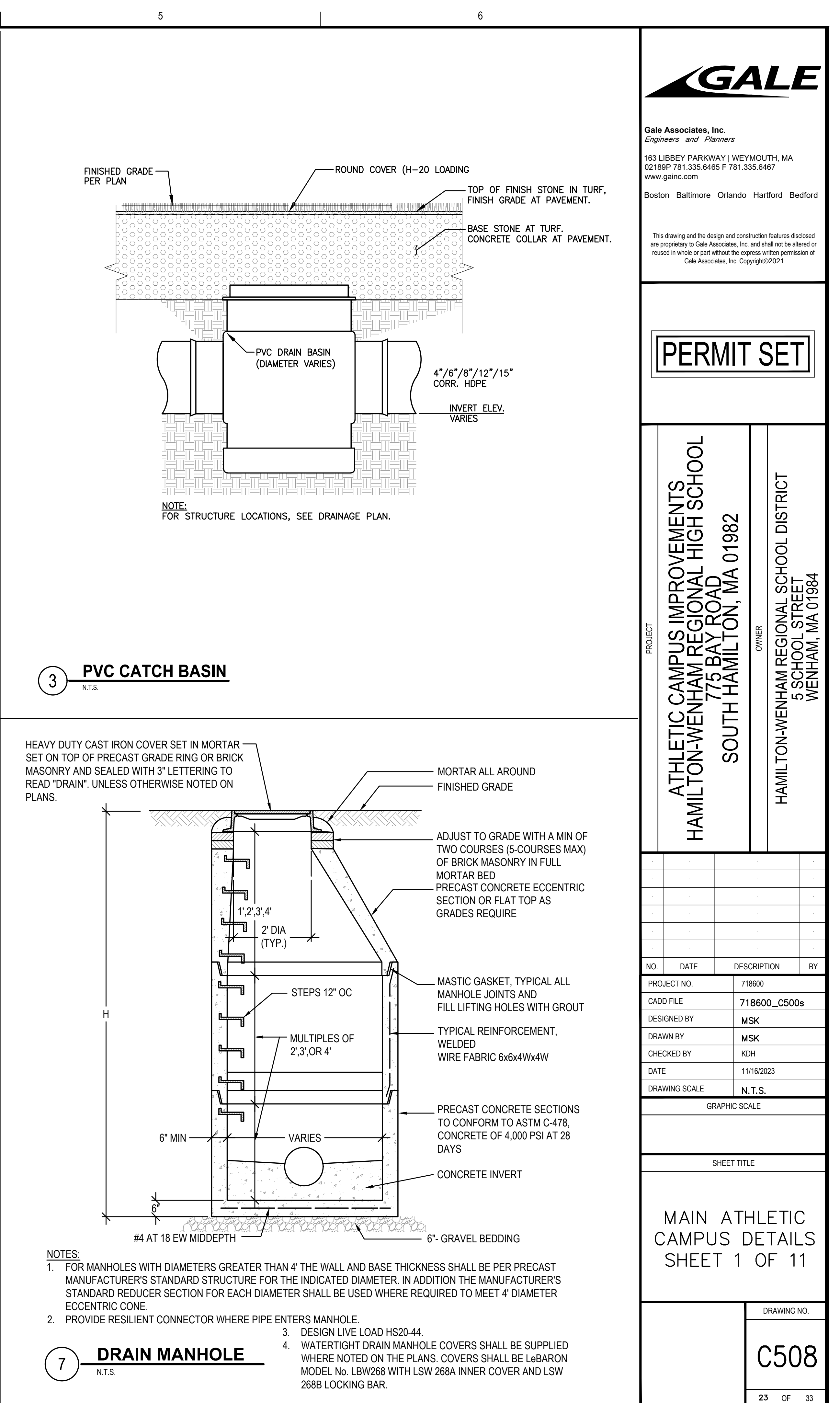


- NOTES:**
- STANDARD CATCH BASIN GRATE SHALL HAVE H-25 HEAVY DUTY RATING
 - QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
 - MATERIAL: DUCTILE IRON
 - PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT
 - LOCKING DEVICE 5/16-18 ZINC GOLD HEX BOLT 1" LG USE 1/2" SOCKET TO REMOVE, 2 PLACES

2 AREA DRAIN / PVC CATCH BASIN
N.T.S.

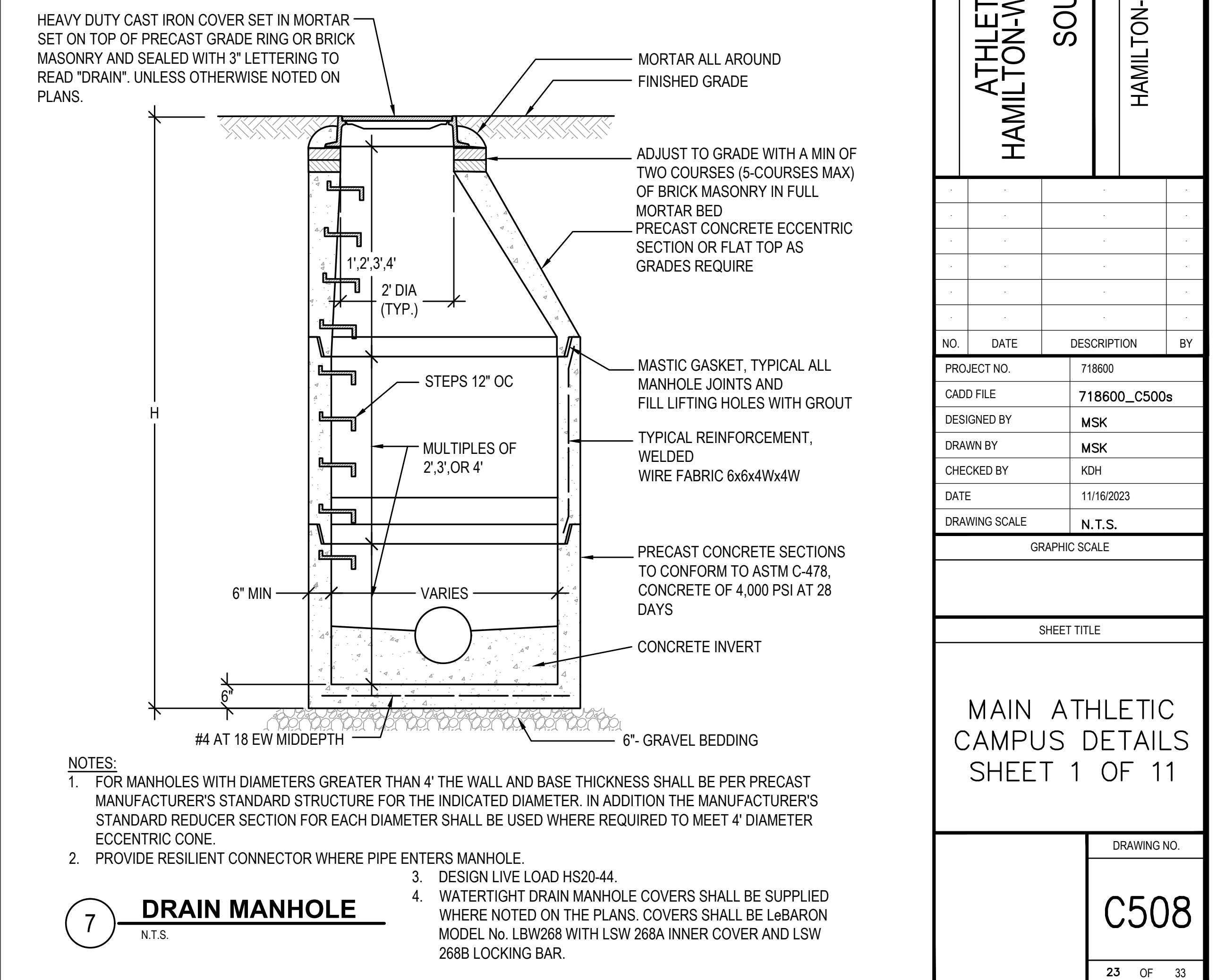


6 IN-LINE CATH BASIN
N.T.S.



NOTE:
FOR STRUCTURE LOCATIONS, SEE DRAINAGE PLAN.

3 PVC CATCH BASIN
N.T.S.



- NOTES:**
- FOR MANHOLES WITH DIAMETERS GREATER THAN 4' THE WALL AND BASE THICKNESS SHALL BE PER PRECAST MANUFACTURER'S STANDARD STRUCTURE FOR THE INDICATED DIAMETER. IN ADDITION THE MANUFACTURER'S STANDARD REDUCER SECTION FOR EACH DIAMETER SHALL BE USED WHERE REQUIRED TO MEET 4' DIAMETER ECCENTRIC CONE.
 - PROVIDE RESILIENT CONNECTOR WHERE PIPE ENTERS MANHOLE.
 - DESIGN LIVE LOAD HS20-44.
 - WATERTIGHT DRAIN MANHOLE COVERS SHALL BE SUPPLIED WHERE NOTED ON THE PLANS. COVERS SHALL BE LeBARON MODEL No. LBW268 WITH LSW 268A INNER COVER AND LSW 268B LOCKING BAR.

7 DRAIN MANHOLE
N.T.S.

GALE
Gale Associates, Inc.
Engineers and Planners
163 LIBBEY PARKWAY | WEYMOUTH, MA
02189P 781.335.6465 F 781.335.6467
www.gainc.com
Boston Baltimore Orlando Hartford Bedford
This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2021

PERMIT SET

PROJECT
**ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982**

OWNER
**HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984**

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C500s		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	N.T.S.		

GRAPHIC SCALE

SHEET TITLE

**MAIN ATHLETIC CAMPUS DETAILS
SHEET 1 OF 11**

DRAWING NO.
C508
23 OF 33

PERMIT SET

PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982

OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C500s		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	N.T.S.		

GRAPHIC SCALE

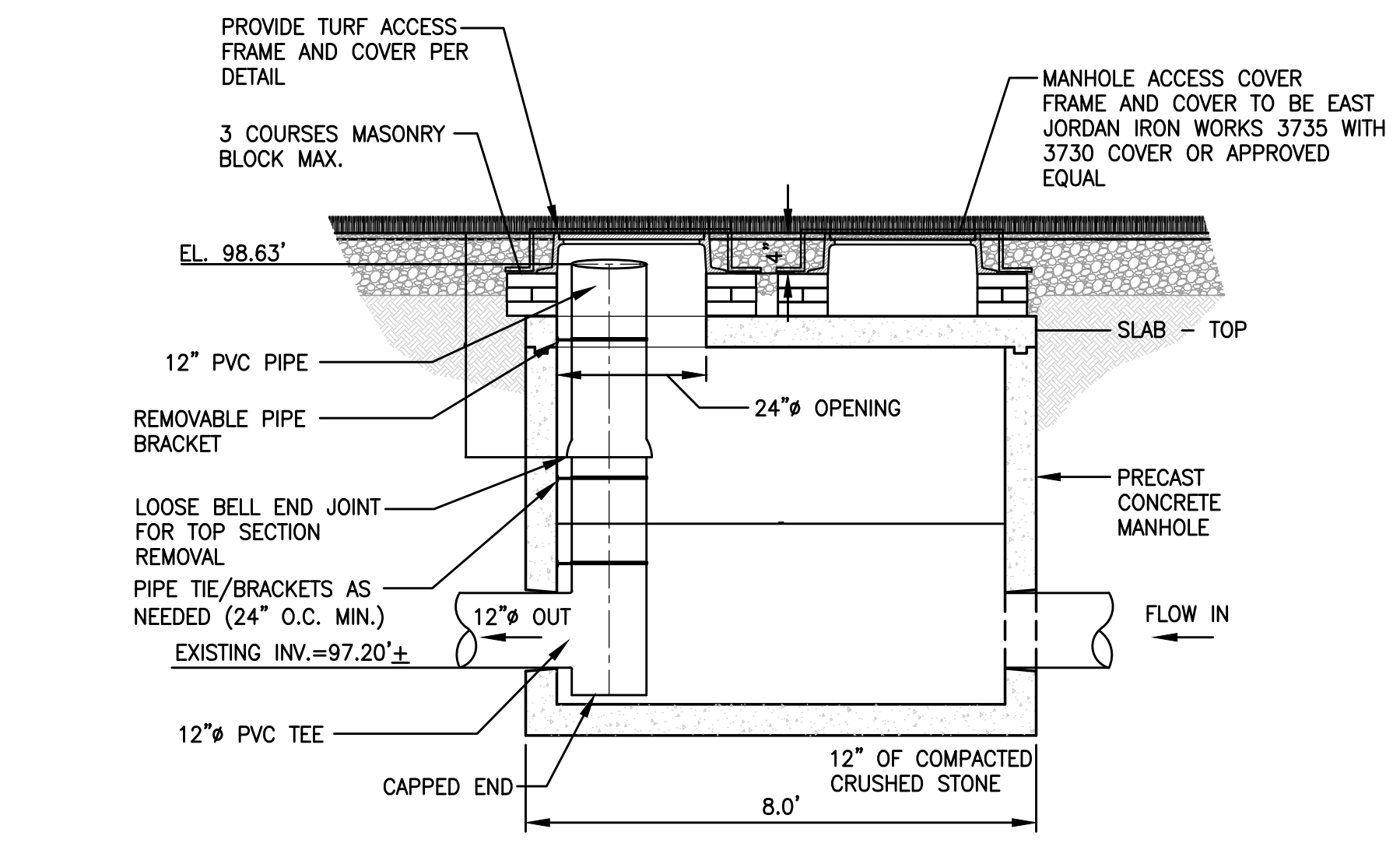
SHEET TITLE

MAIN ATHLETIC CAMPUS DETAILS
SHEET 2 OF 11

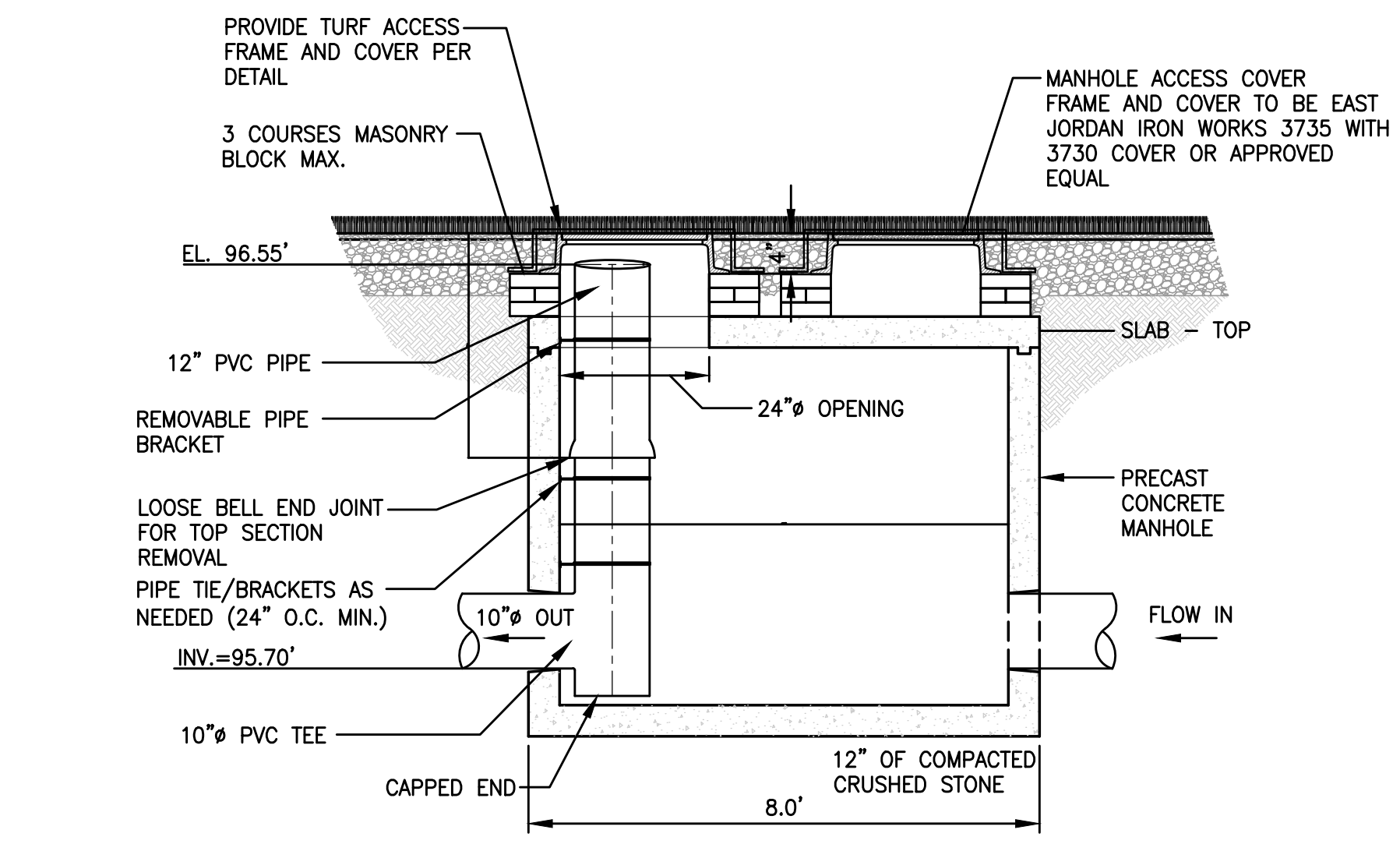
DRAWING NO.

C509

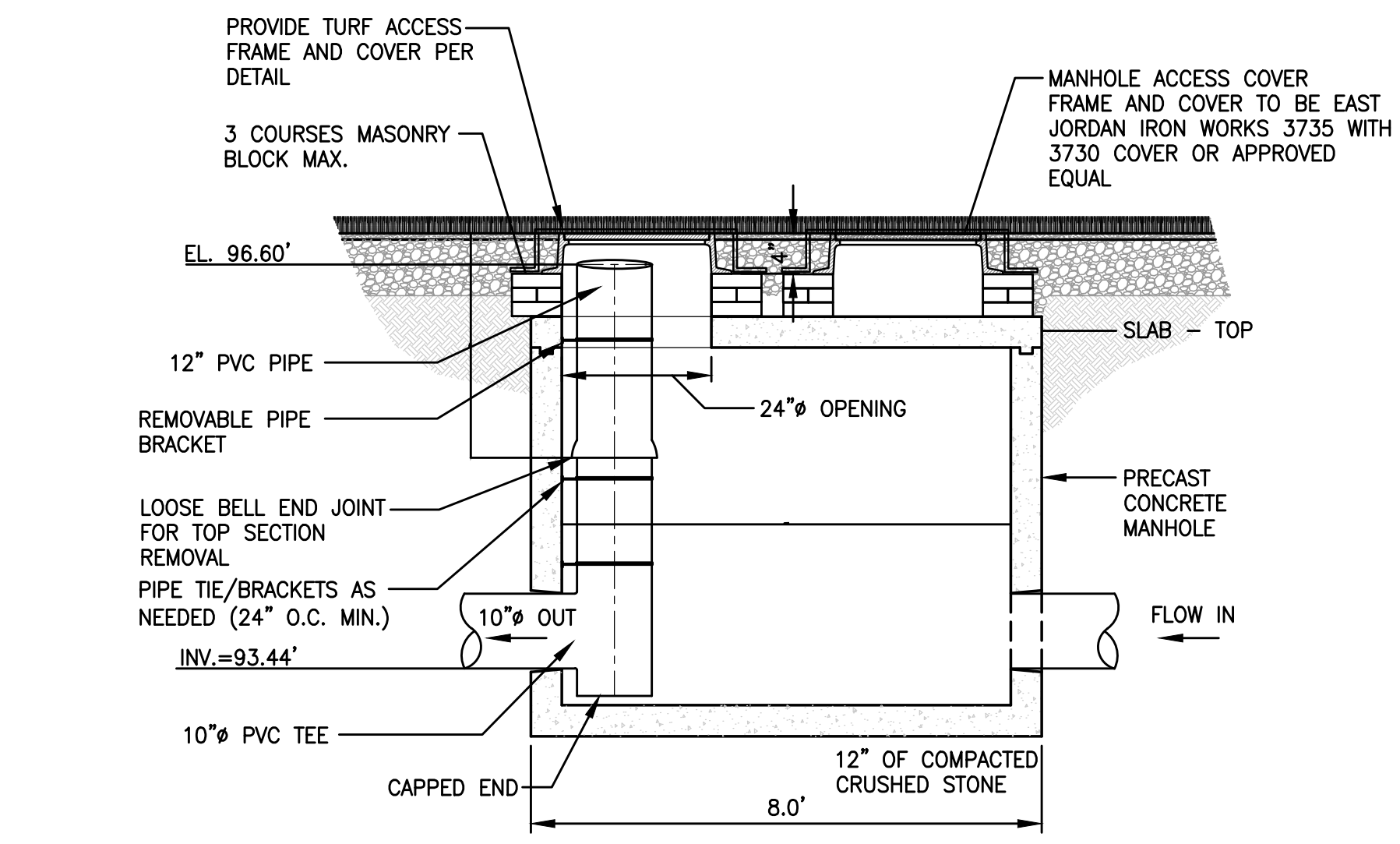
24 OF 33



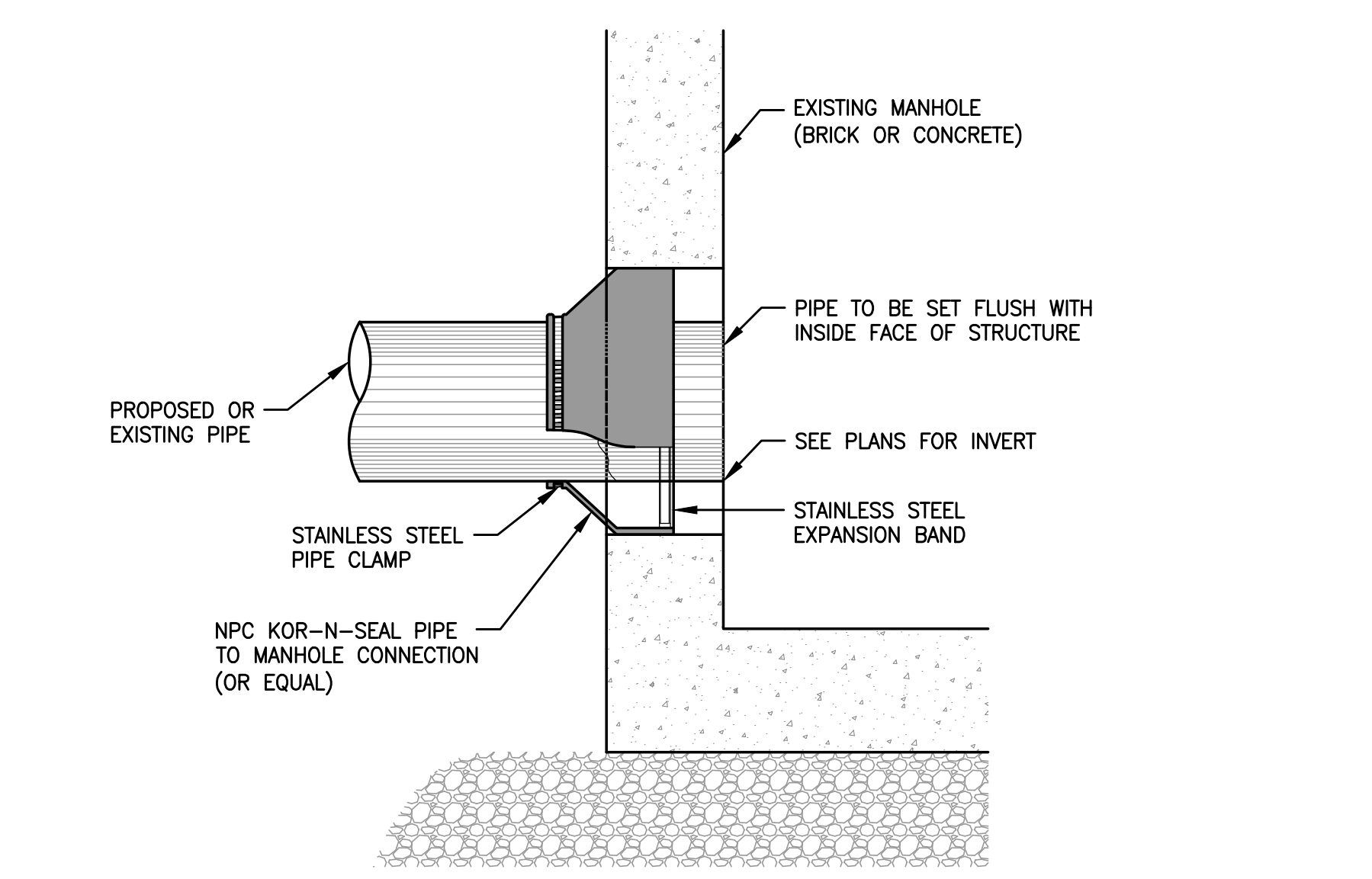
1 OUTLET CONTROL STRUCTURE #1
N.T.S.



2 OUTLET CONTROL STRUCTURE #2
N.T.S.

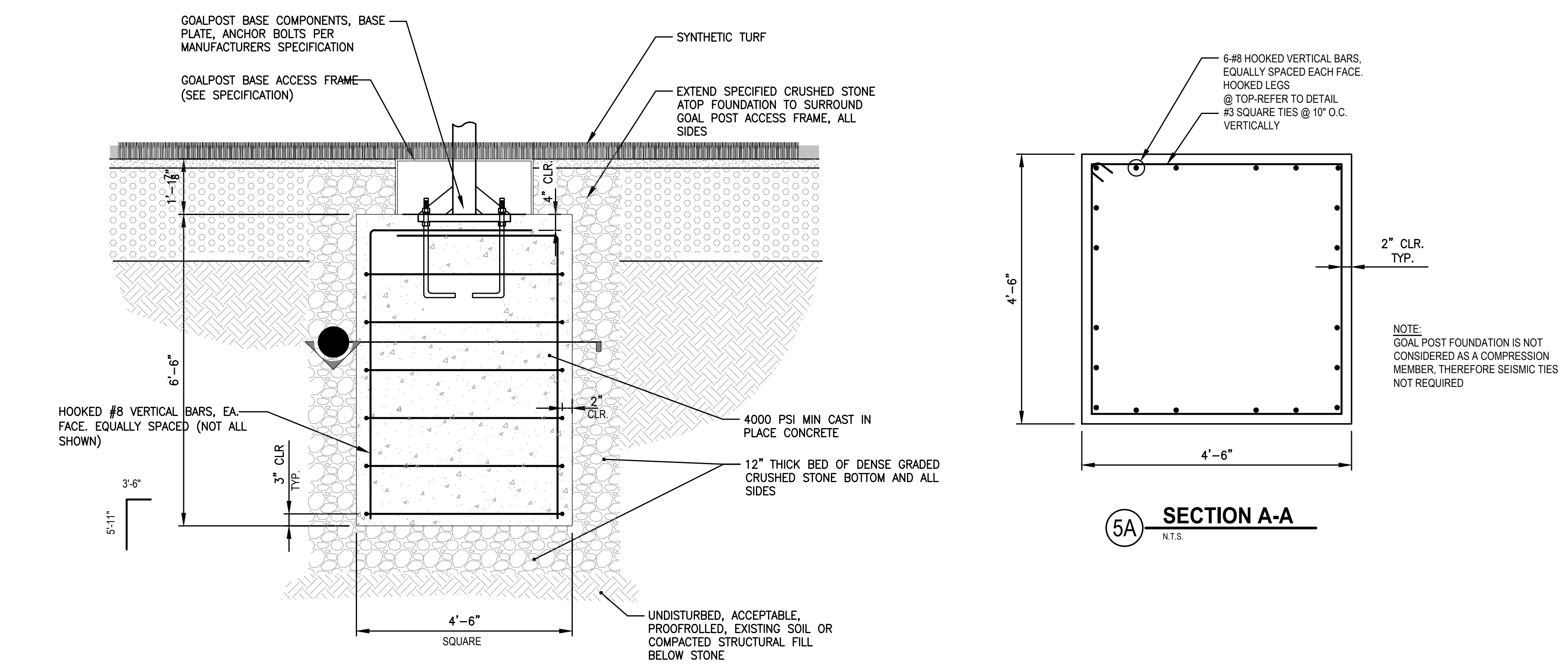


3 OUTLET CONTROL STRUCTURE #3
N.T.S.



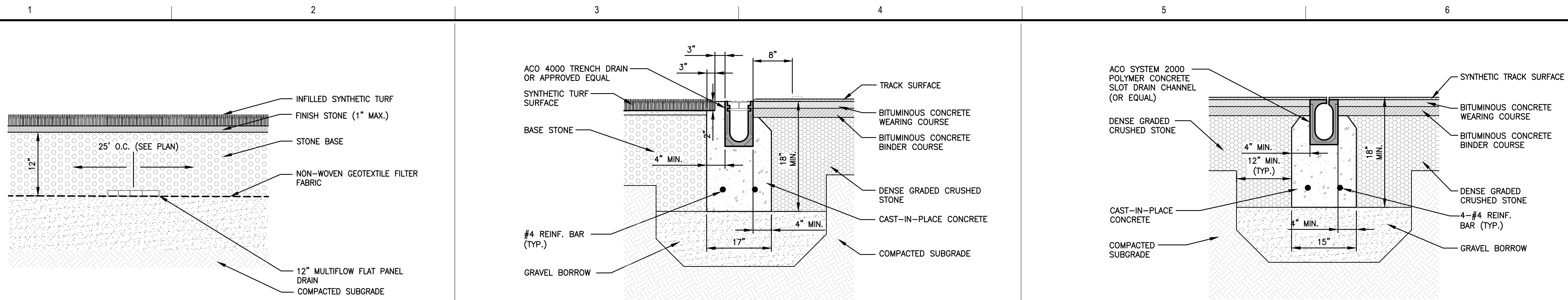
- NOTE:
1. ALL METAL FIXTURES SHALL BE STAINLESS STEEL.
 2. SERVICE LINE SHALL BE FLUSH WITH THE INSIDE OF THE MANHOLE.
 3. FOR PROPOSED MANHOLE INSTALLATION AT EXISTING PIPE, CONTRACTOR SHALL EXTEND PIPE INTO NEW MANHOLE USING A SPOOL PIECE (OF SAME PIPE MATERIAL) WITH FERNCO COUPLES.

4 CONNECTION TO MANHOLE
N.T.S.



5 FOOTBALL GOAL POST FOUNDATION
N.T.S.

5A SECTION A-A
N.T.S.

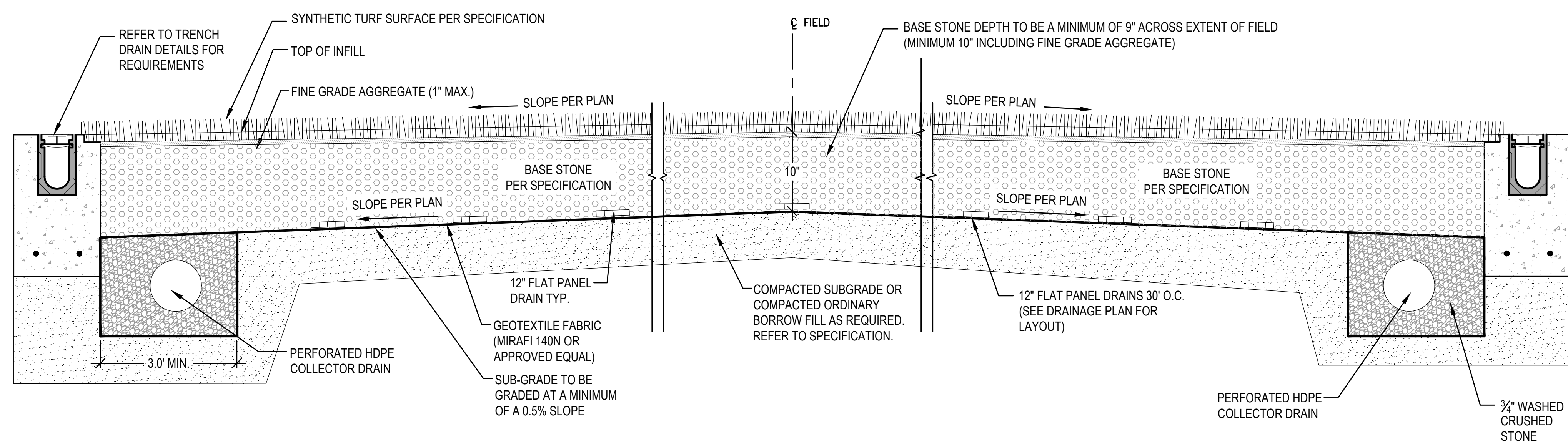


1 SYNTHETIC FIELD UNDERDRAIN (TYP.)
N.T.S.

2 TRENCH DRAIN AT TRACK
N.T.S.

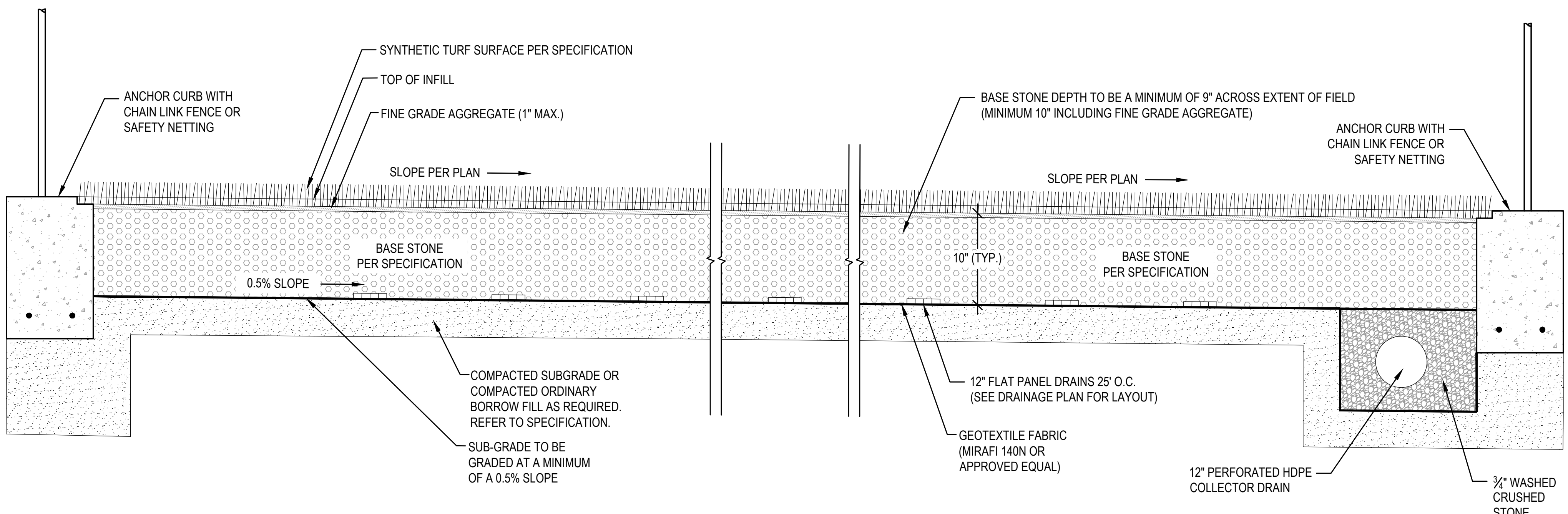
3 SLOT DRAIN DETAIL
N.T.S.

- NOTES:
- WHERE INFILTRATION COMPONENTS ARE INSTALLED IN TRENCHES, TRENCH SHALL BE OVER EXCAVATED A MINIMUM OF 12 INCHES IN ALL DIRECTIONS, BACKFILLED, AND COMPACTED TO 95% FIELD DENSITY IN 6 INCH LIFTS WITH SUITABLE GRANULAR MATERIAL TO THE TOP OF THE TRENCH, AND RE-EXCAVATED FOR INSTALLATION OF PIPE AND STONE.
 - ENGINEER SHALL INSPECT EXCAVATION PRIOR TO INSTALLATION OF DRAINAGE COMPONENTS AFTER OVER EXCAVATION, BACKFILL, COMPACTION AND RE-EXCAVATION.



4 SECTION THROUGH TRACK AND FIELD
N.T.S.

- NOTES:
- WHERE INFILTRATION COMPONENTS ARE INSTALLED IN TRENCHES, TRENCH SHALL BE OVER EXCAVATED A MINIMUM OF 12 INCHES IN ALL DIRECTIONS, BACKFILLED, AND COMPACTED TO 95% FIELD DENSITY IN 6 INCH LIFTS WITH SUITABLE GRANULAR MATERIAL TO THE TOP OF THE TRENCH, AND RE-EXCAVATED FOR INSTALLATION OF PIPE AND STONE.
 - ENGINEER SHALL INSPECT EXCAVATION PRIOR TO INSTALLATION OF DRAINAGE COMPONENTS AFTER OVER EXCAVATION, BACKFILL, COMPACTION AND RE-EXCAVATION.



5 SECTION THROUGH BASEBALL FIELD
N.T.S.

GALE
Gale Associates, Inc.
Engineers and Planners
163 LIBBEY PARKWAY | WEYMOUTH, MA
02189P 781.335.6465 F 781.335.6467
www.gainc.com
Boston Baltimore Orlando Hartford Bedford
This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2021

PERMIT SET

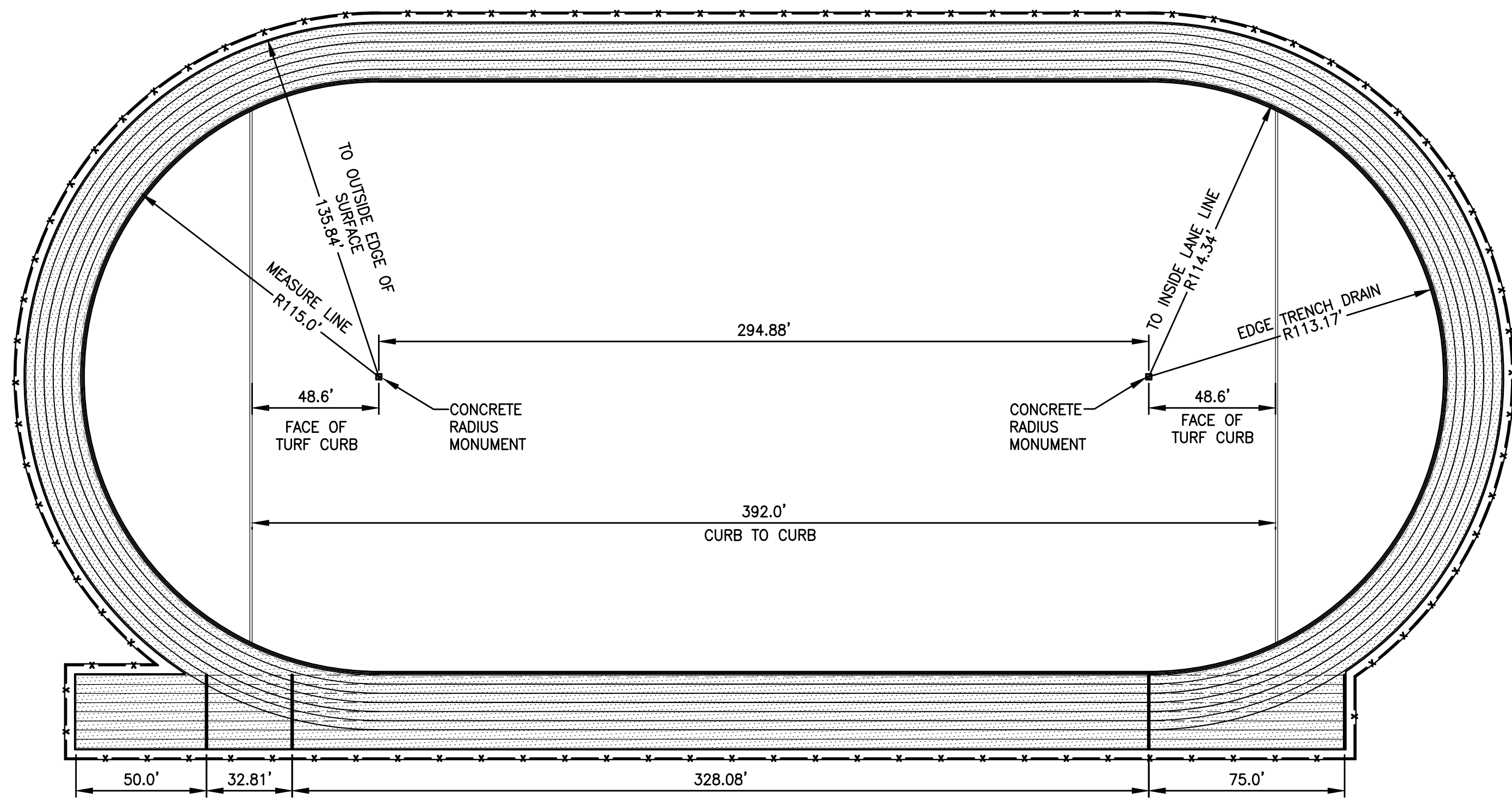
PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982
OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C500s		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	N.T.S.		

GRAPHIC SCALE

SHEET TITLE
MAIN ATHLETIC CAMPUS DETAILS
SHEET 3 OF 11

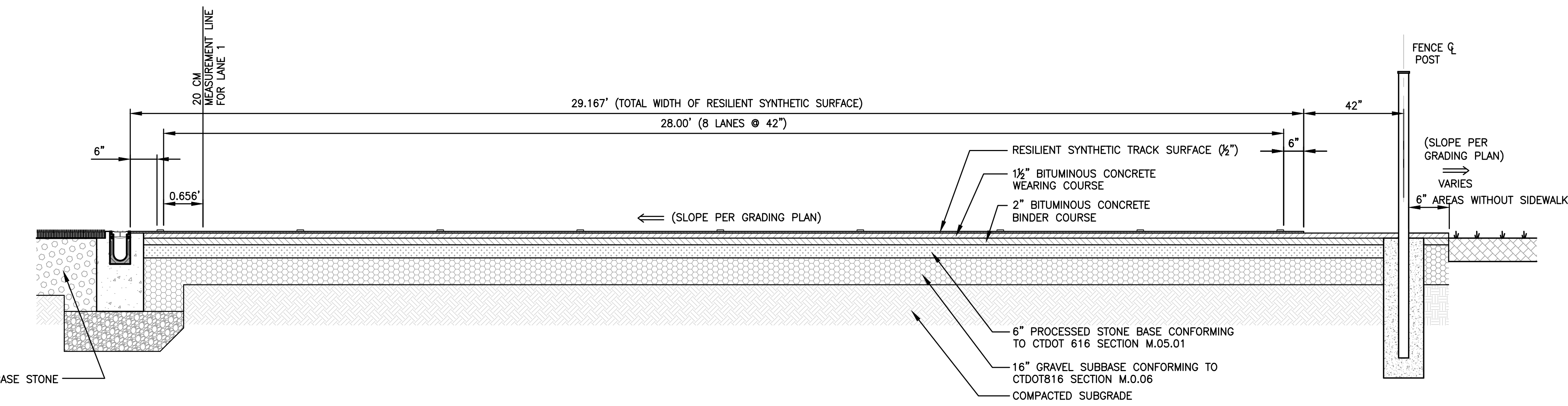
DRAWING NO.
C510
25 OF 33



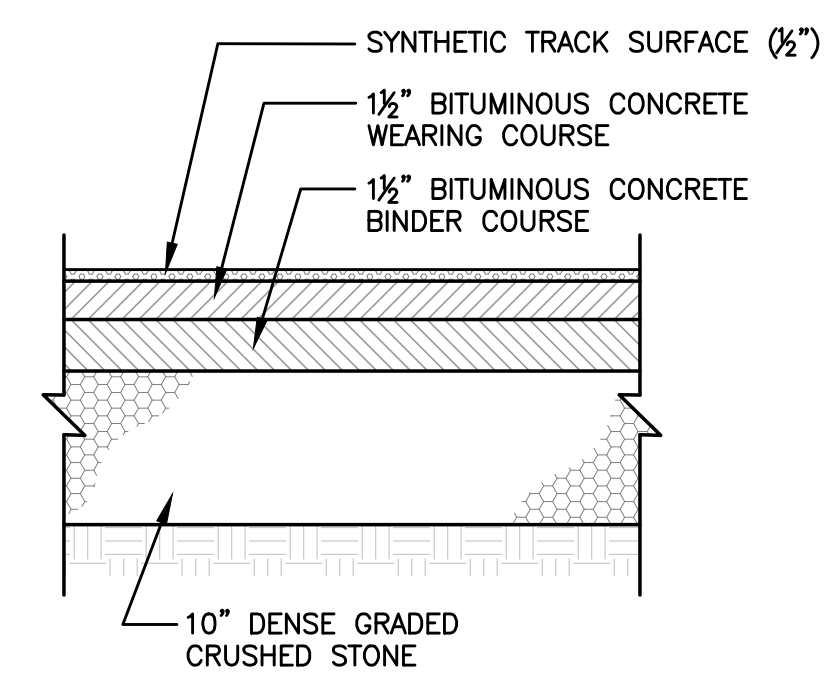
1 115' RADIUS TRACK LAYOUT
N.T.S.



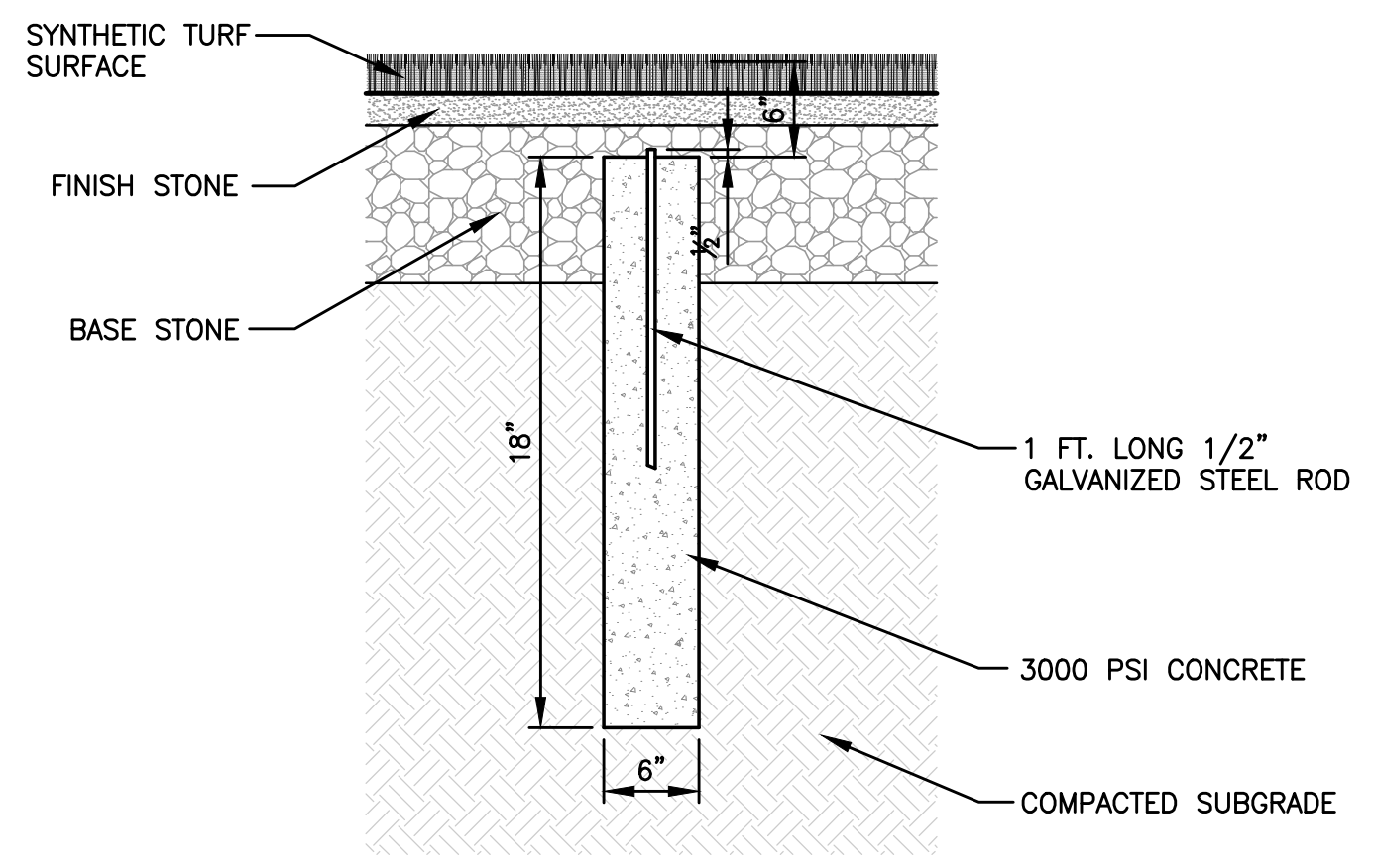
2 LANE WIDTH LAYOUT STRAIGHT AWAY SECTION
N.T.S.



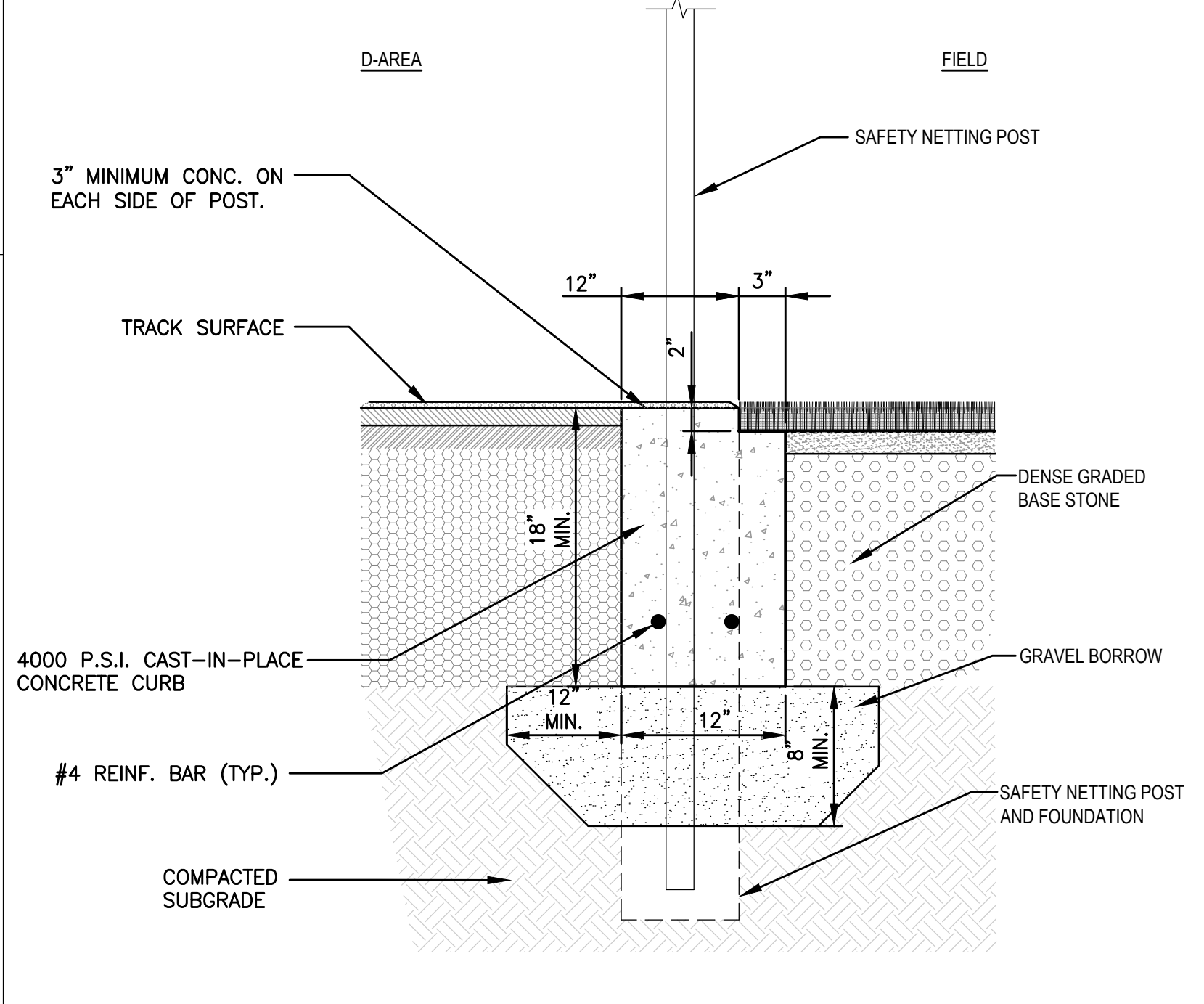
3 SYNTHETIC TRACK STRAIGHT AWAY SECTION (w/FENCE)
N.T.S.



4 BITUMINOUS CONCRETE TRACK SECTION
N.T.S.



5 CONCRETE RADIUS MONUMENT
NOT TO SCALE



6 CONCRETE ANCHOR CURB @ TRACK AND FIELD D-AREA
N.T.S.

GALE
Gale Associates, Inc.
Engineers and Planners
163 LIBBEY PARKWAY | WEYMOUTH, MA
02189P 781.335.6465 F 781.335.6467
www.gainc.com
Boston Baltimore Orlando Hartford Bedford
This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2021

PERMIT SET

PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982
OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

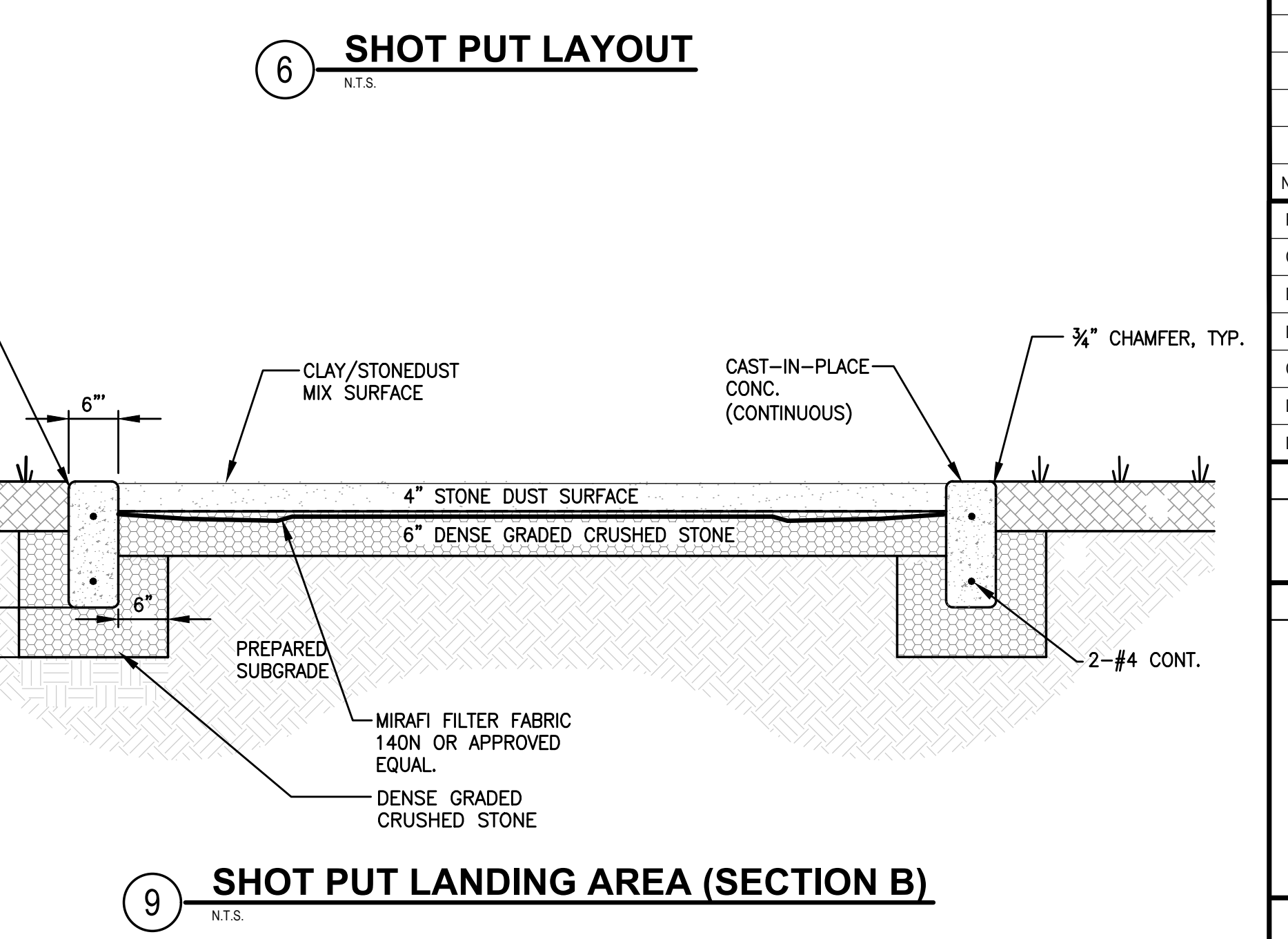
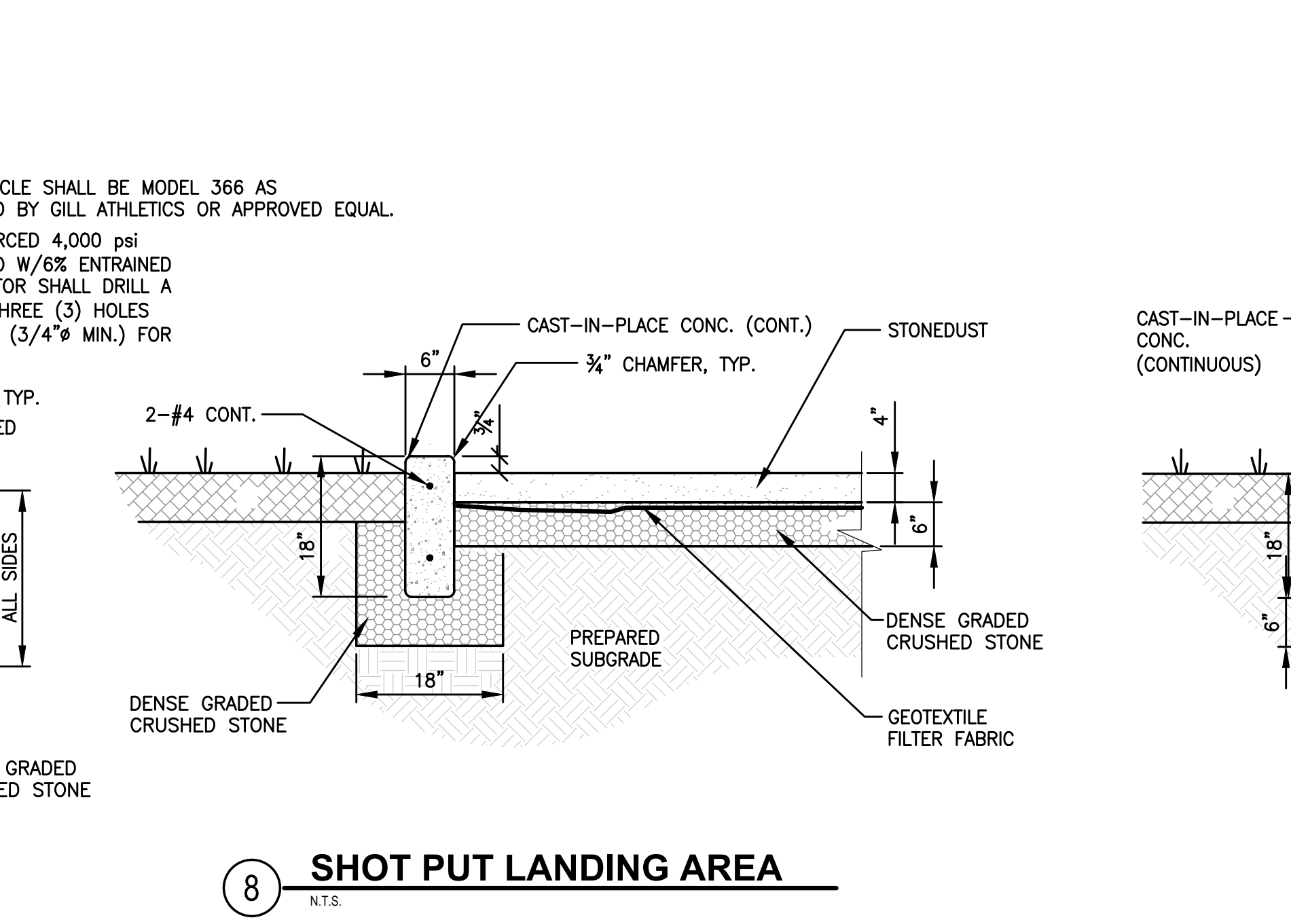
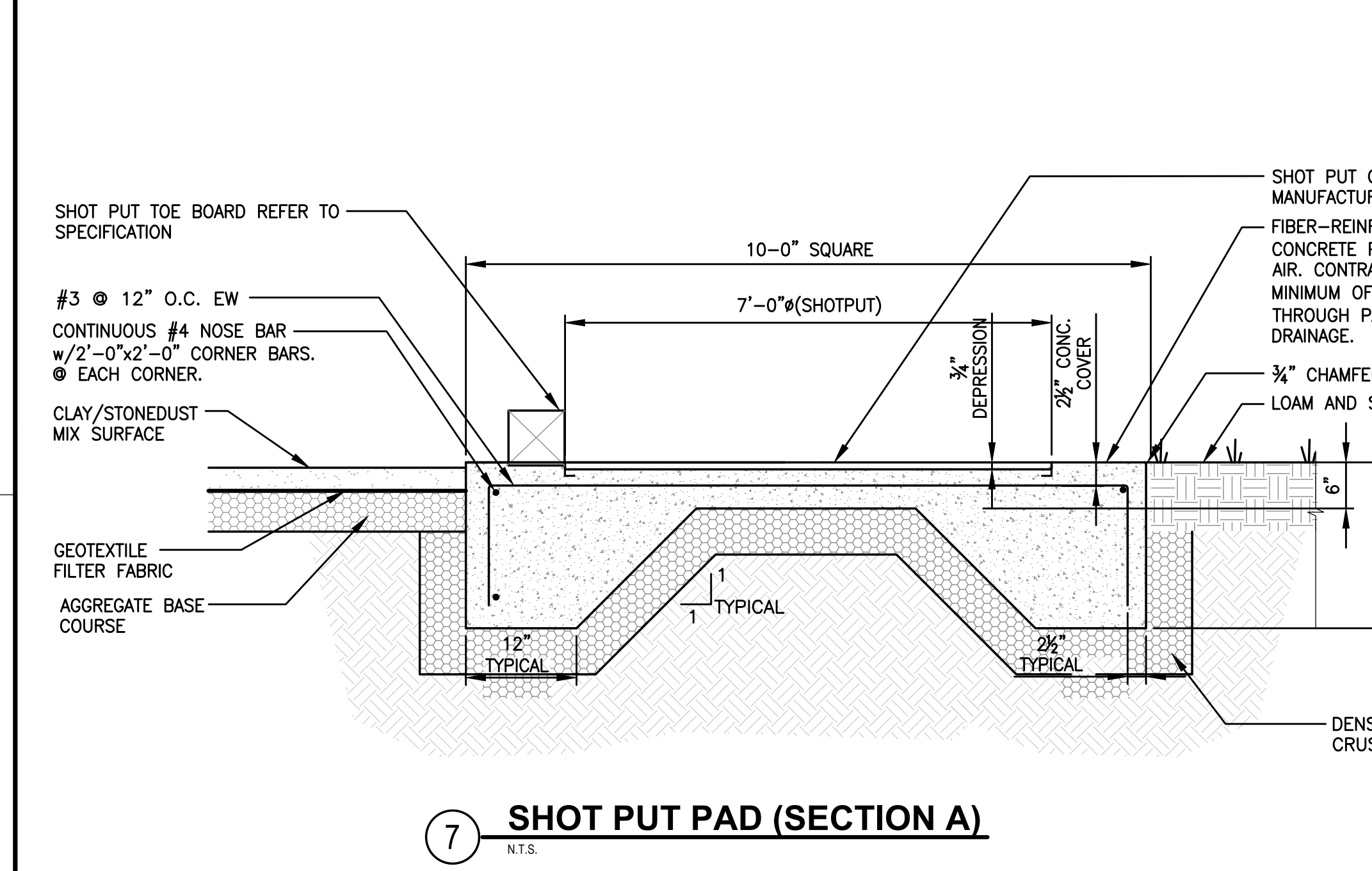
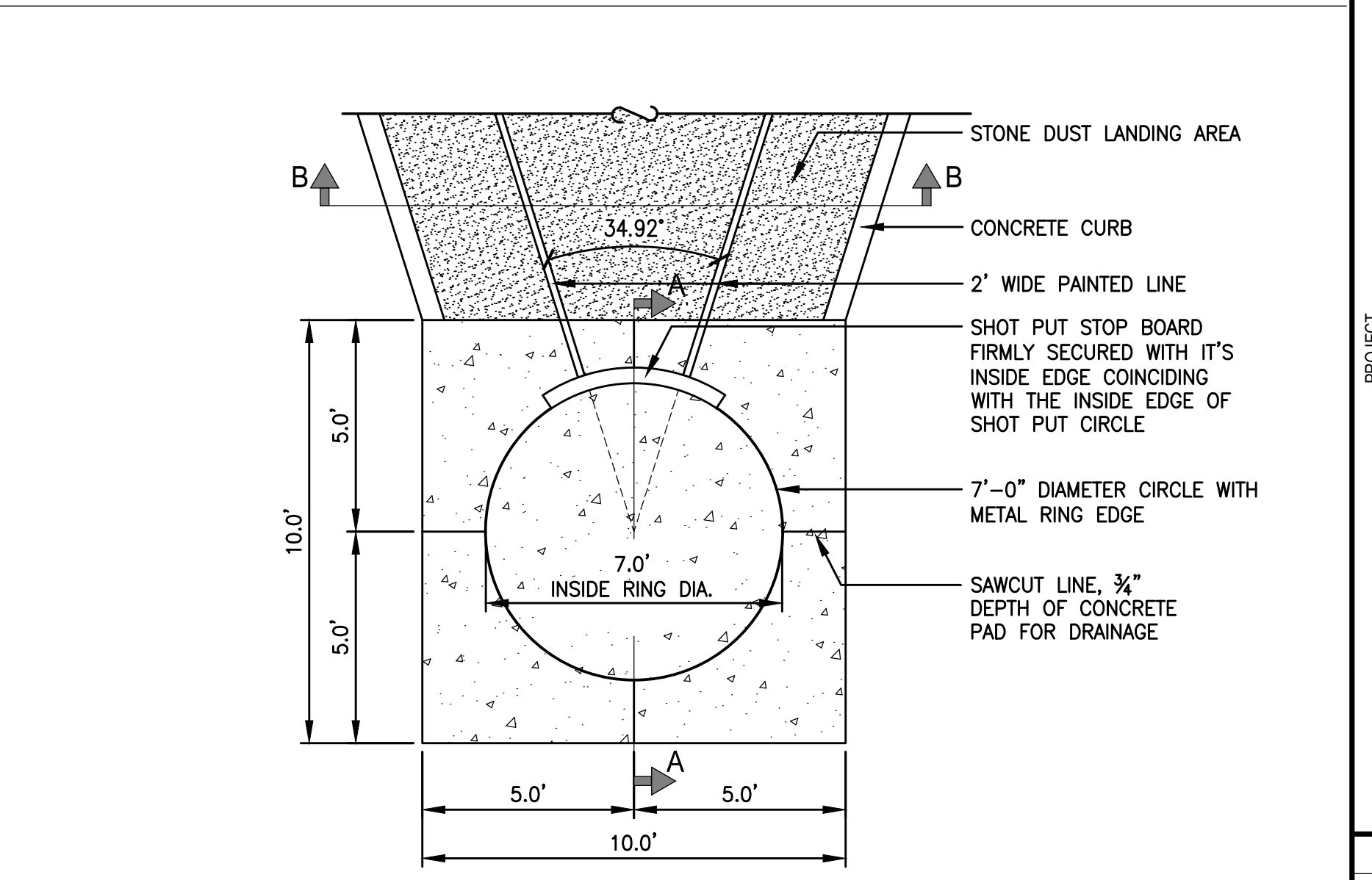
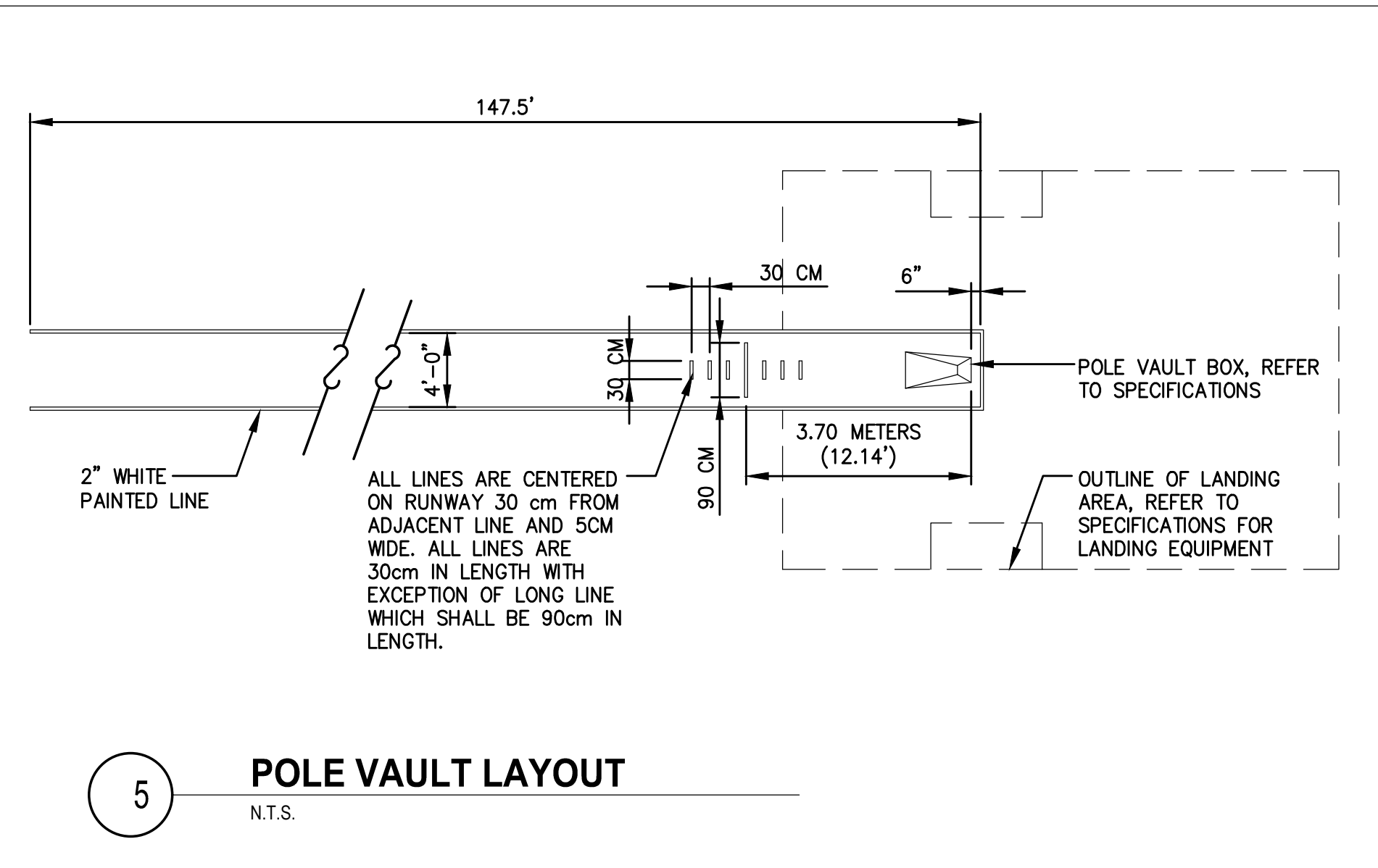
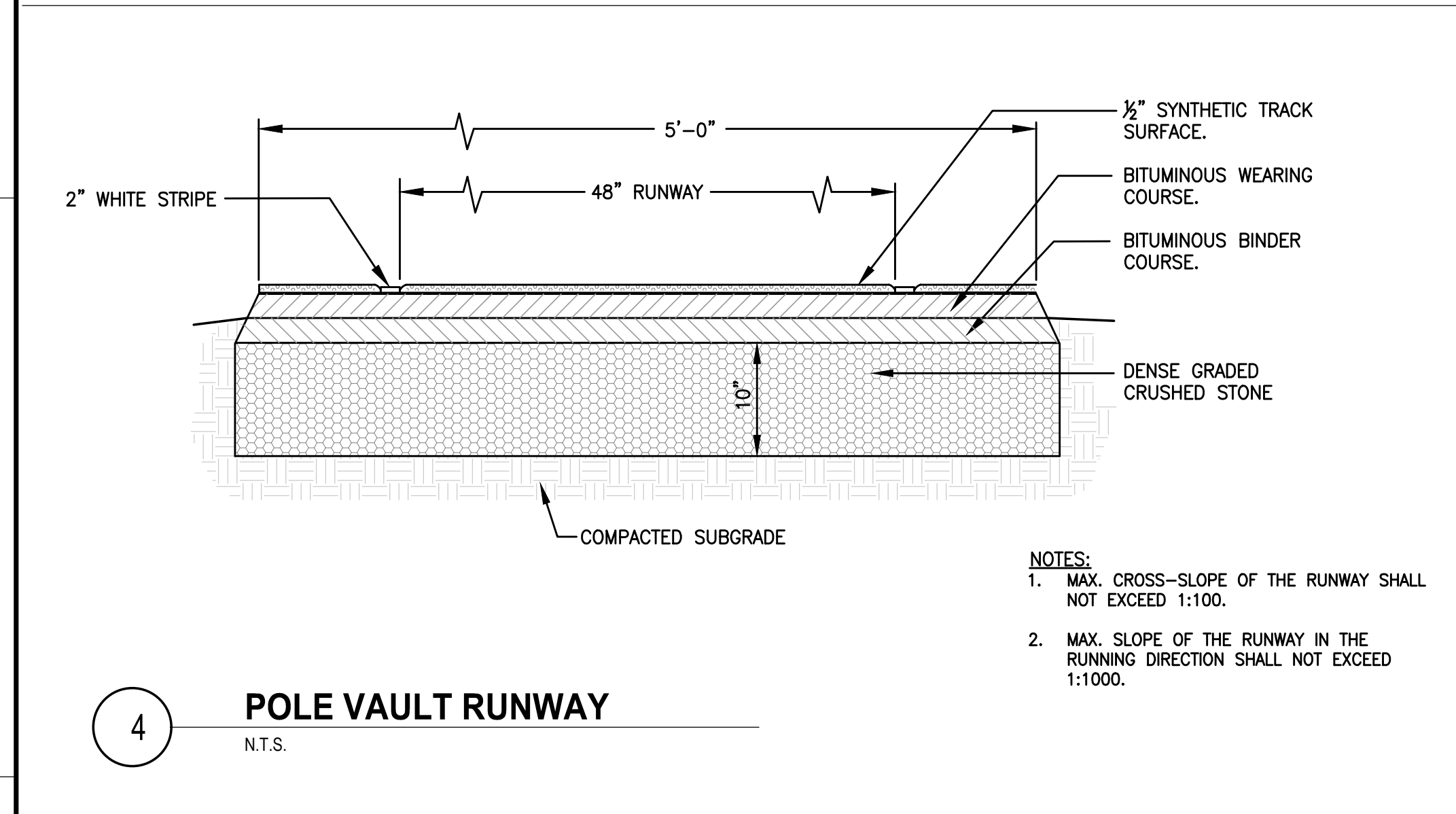
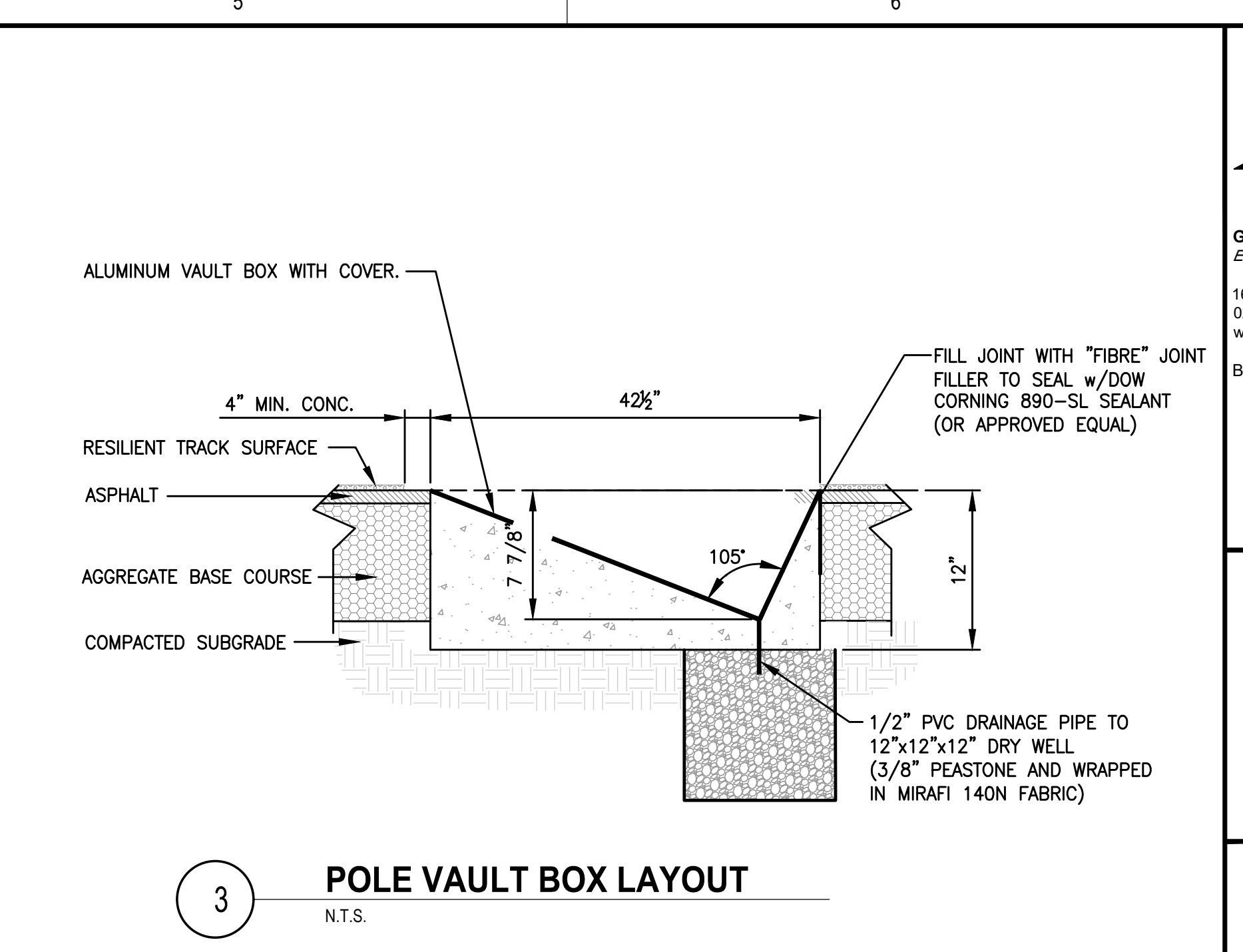
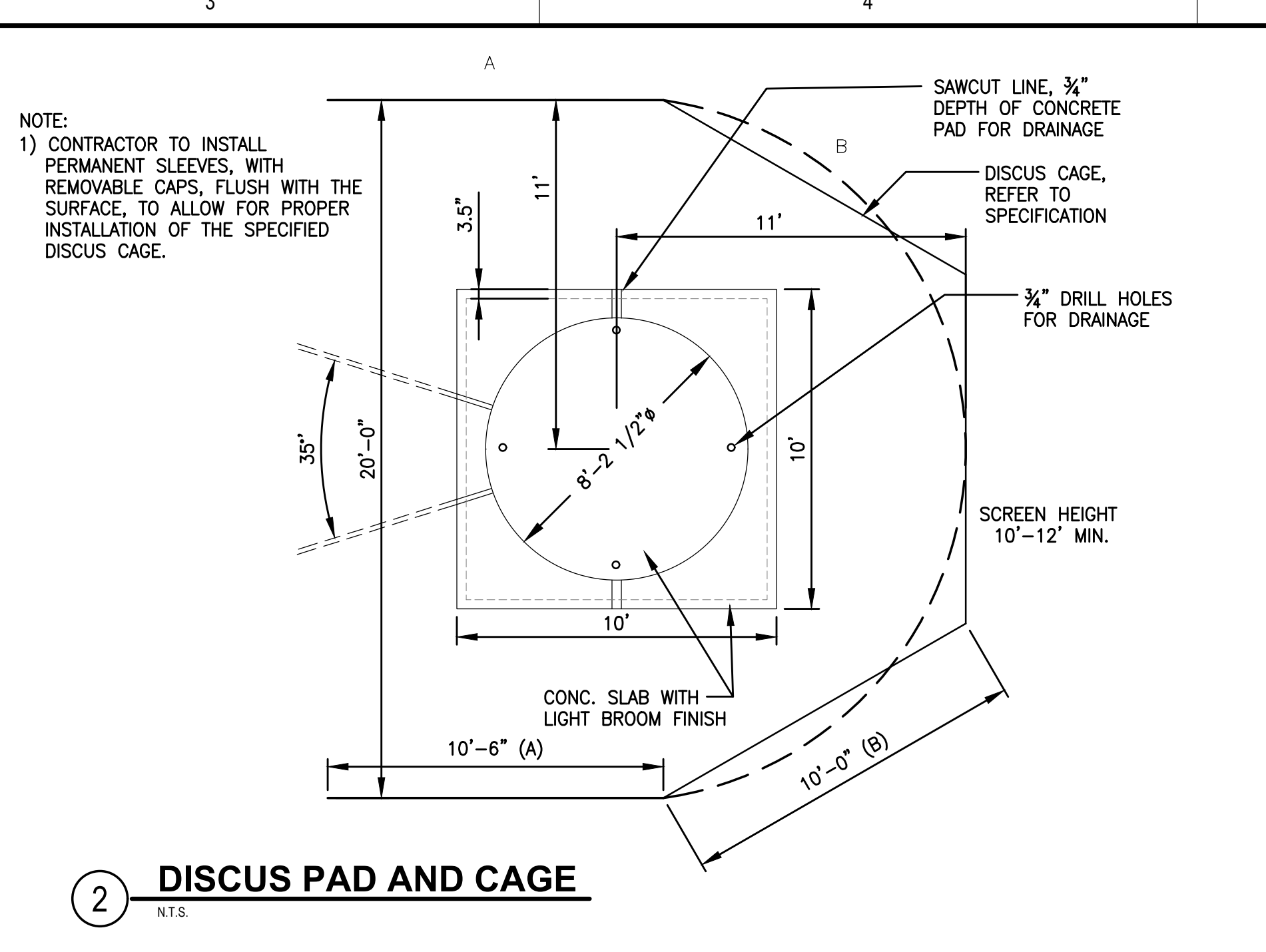
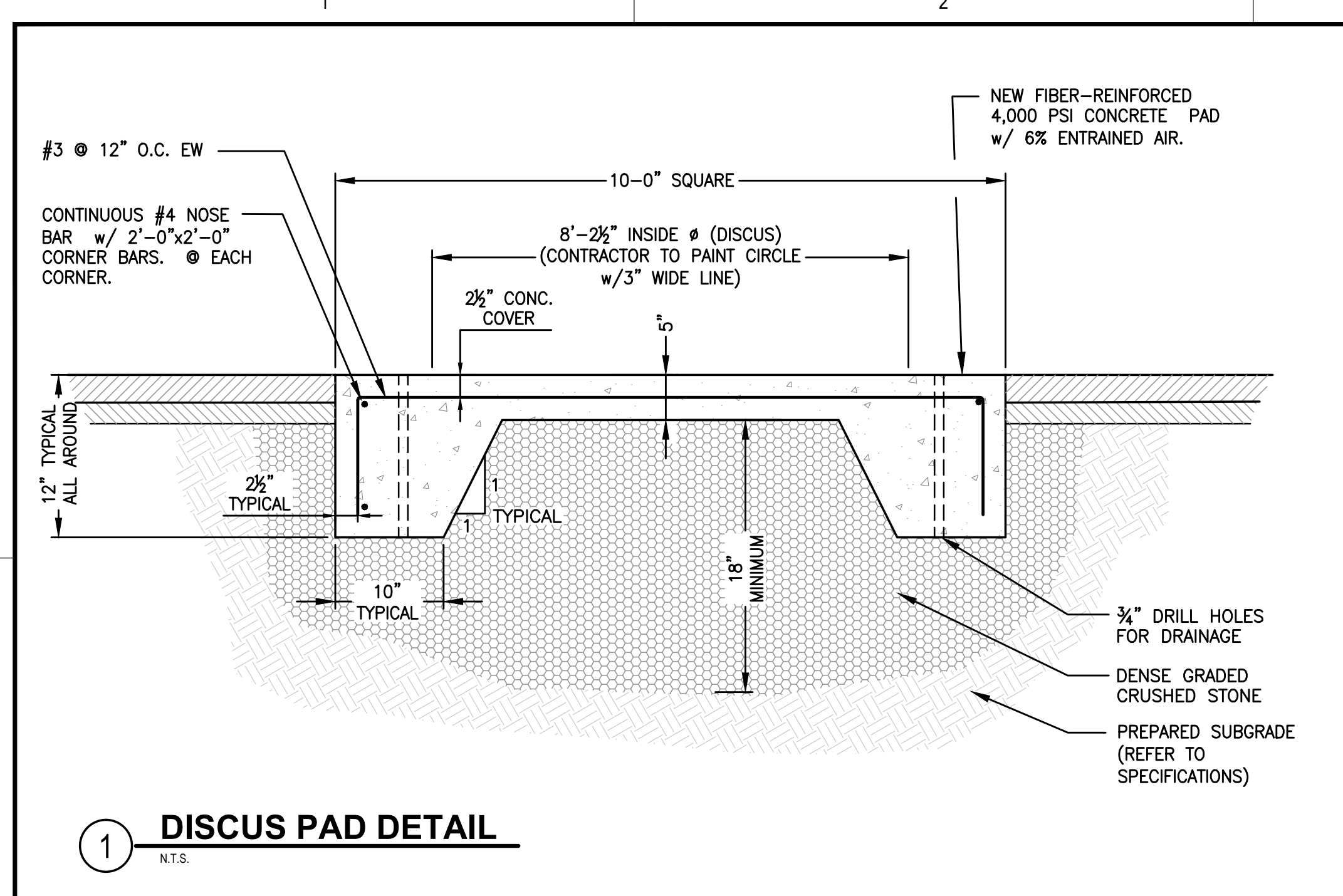
NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C500s		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	N.T.S.		

GRAPHIC SCALE

SHEET TITLE
MAIN ATHLETIC CAMPUS DETAILS
SHEET 4 OF 11

DRAWING NO.

C511



GALE
Gale Associates, Inc.
Engineers and Planners
163 LIBBEY PARKWAY | WEYMOUTH, MA
02189P 781.335.6465 F 781.335.6467
www.gainc.com
Boston Baltimore Orlando Hartford Bedford
This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2021

PERMIT SET

PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982
OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY

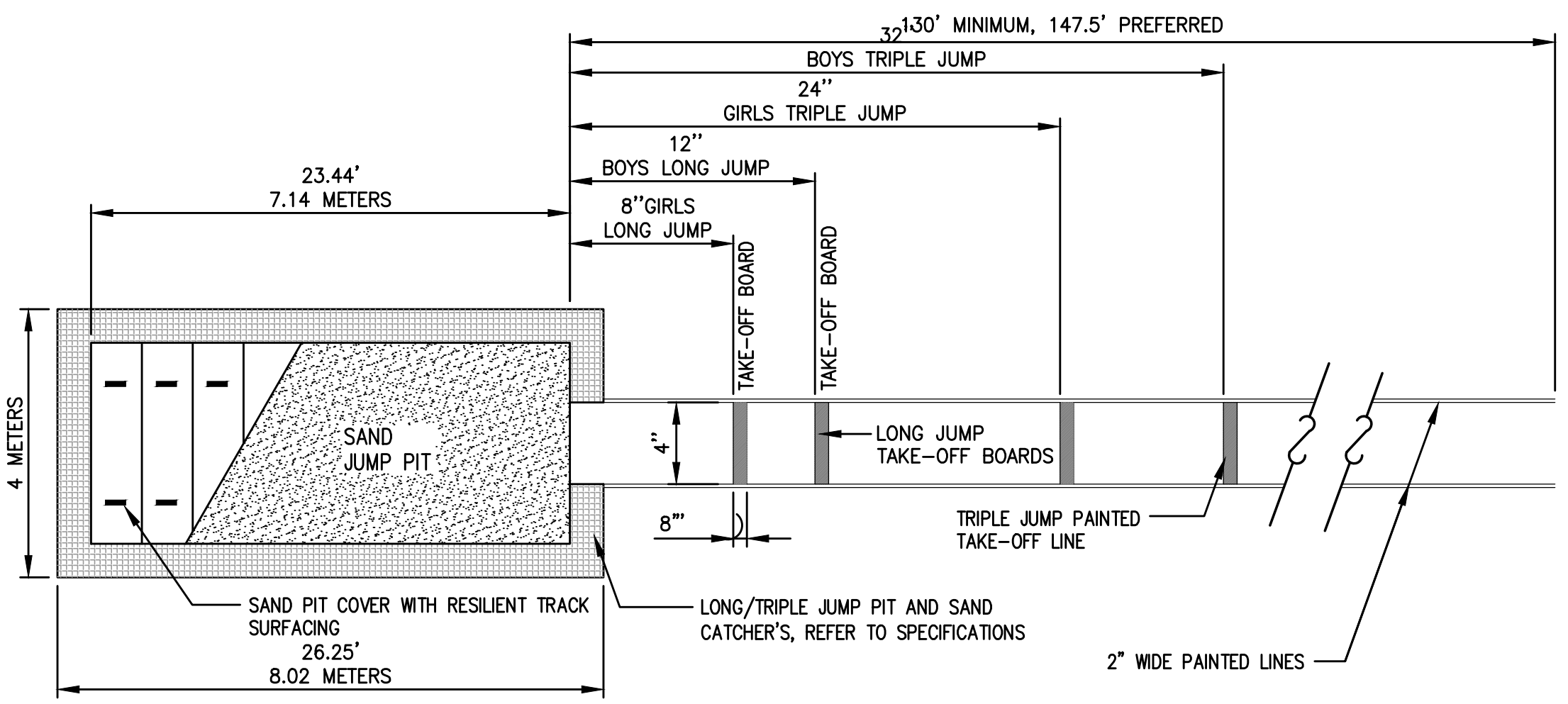
PROJECT NO.	718600
CADD FILE	718600_C500s
DESIGNED BY	MSK
DRAWN BY	MSK
CHECKED BY	KDH
DATE	11/16/2023
DRAWING SCALE	N.T.S.

GRAPHIC SCALE

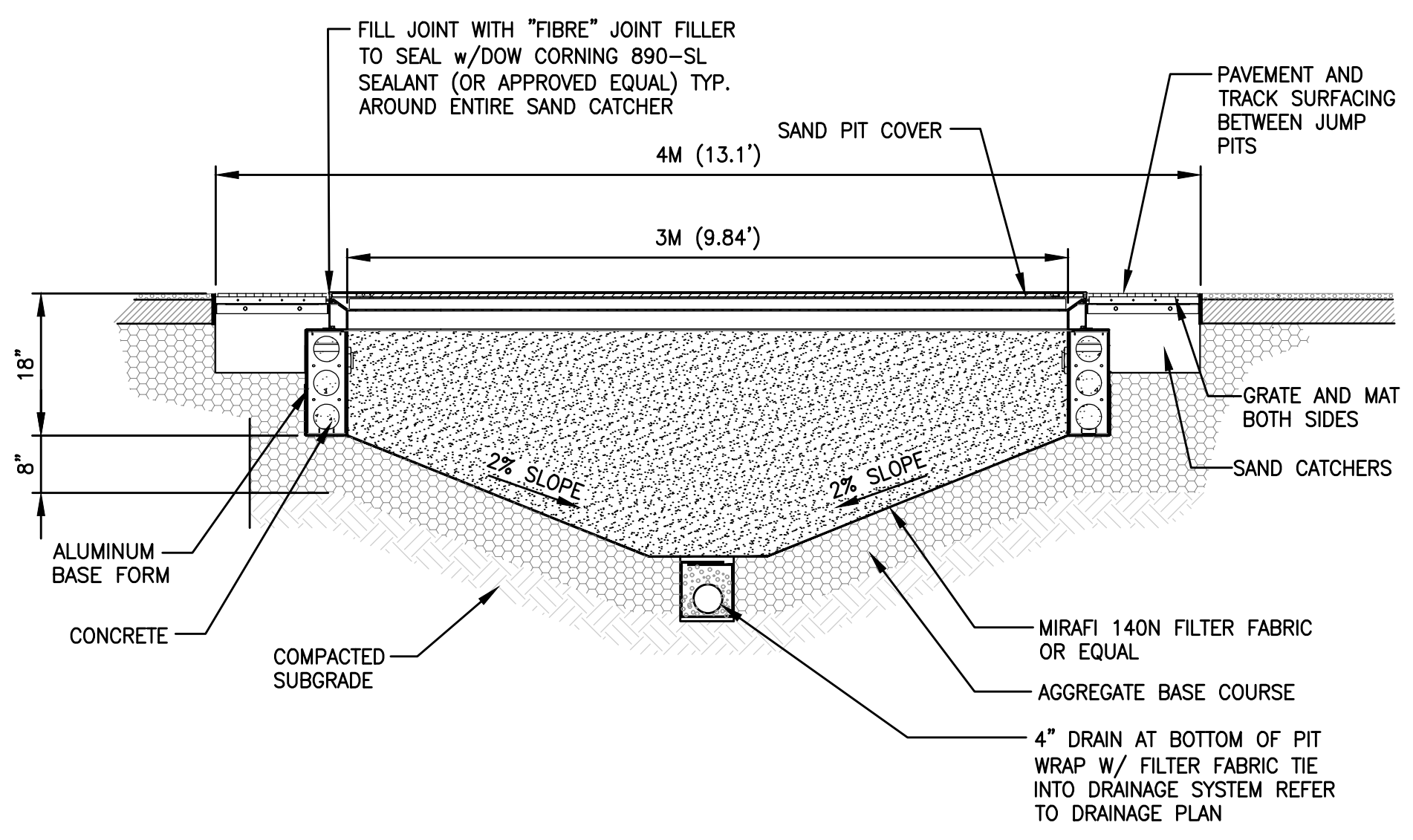
SHEET TITLE

MAIN ATHLETIC CAMPUS DETAILS
SHEET 5 OF 11

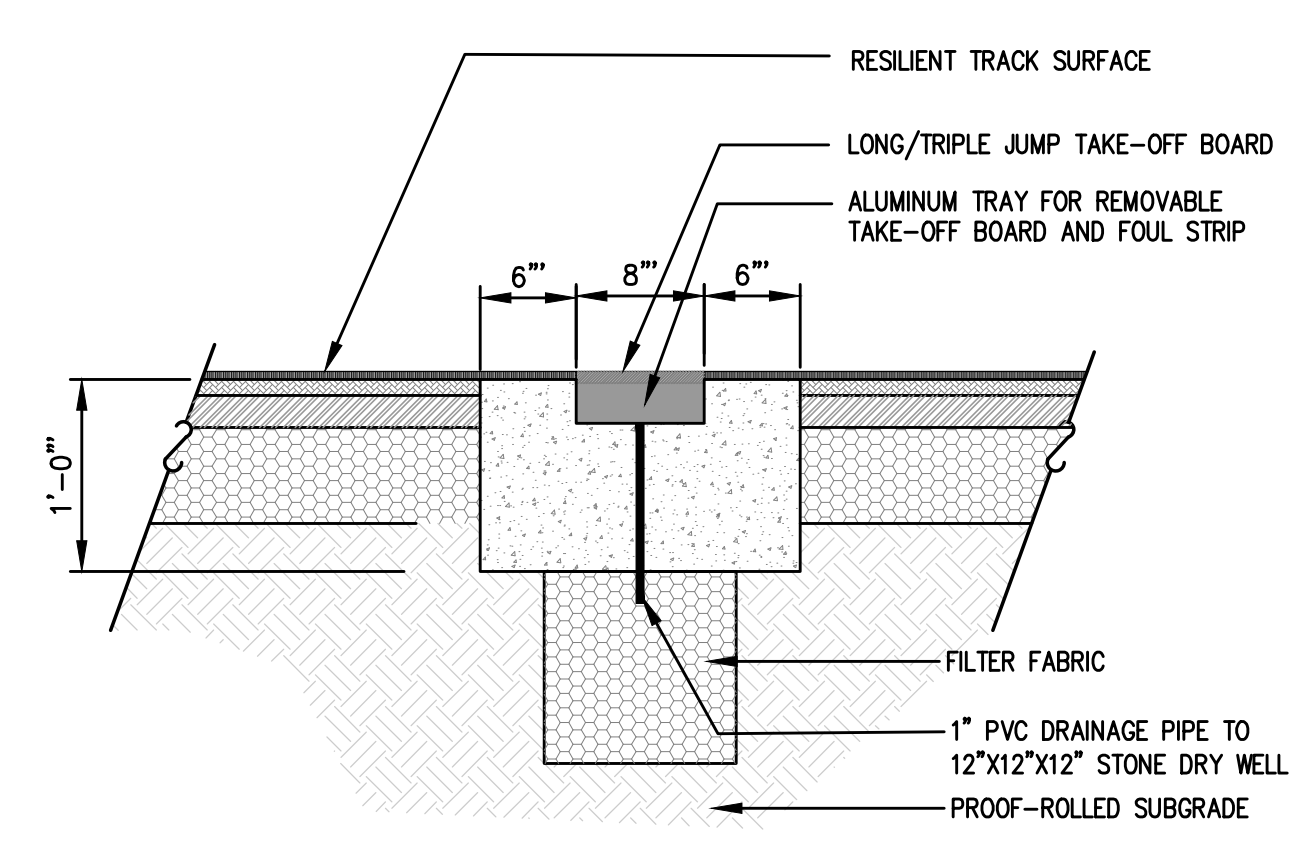
DRAWING NO.
C512
27 OF 33



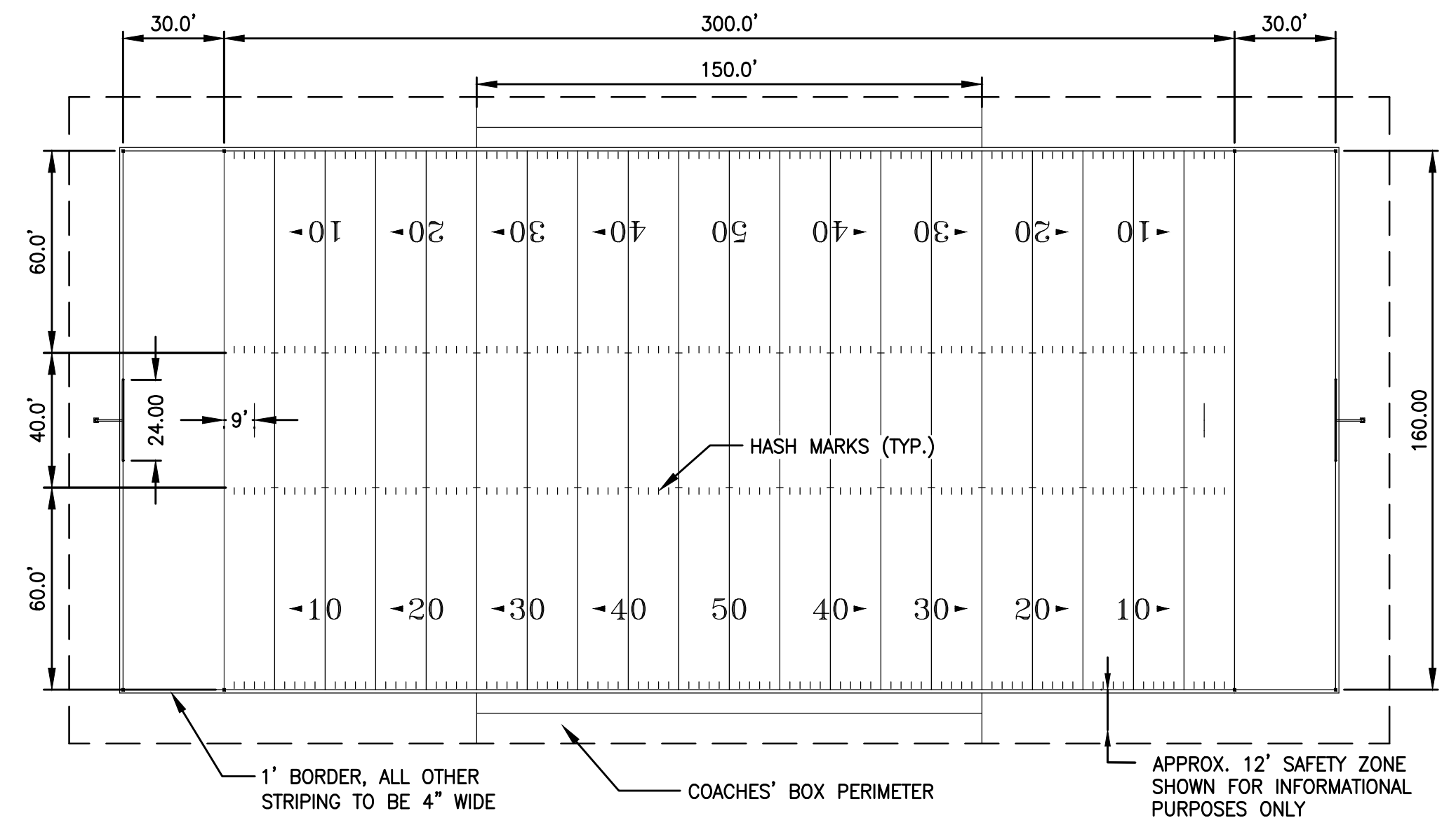
1 LONG / TRIPLE JUMP LAYOUT
N.T.S.



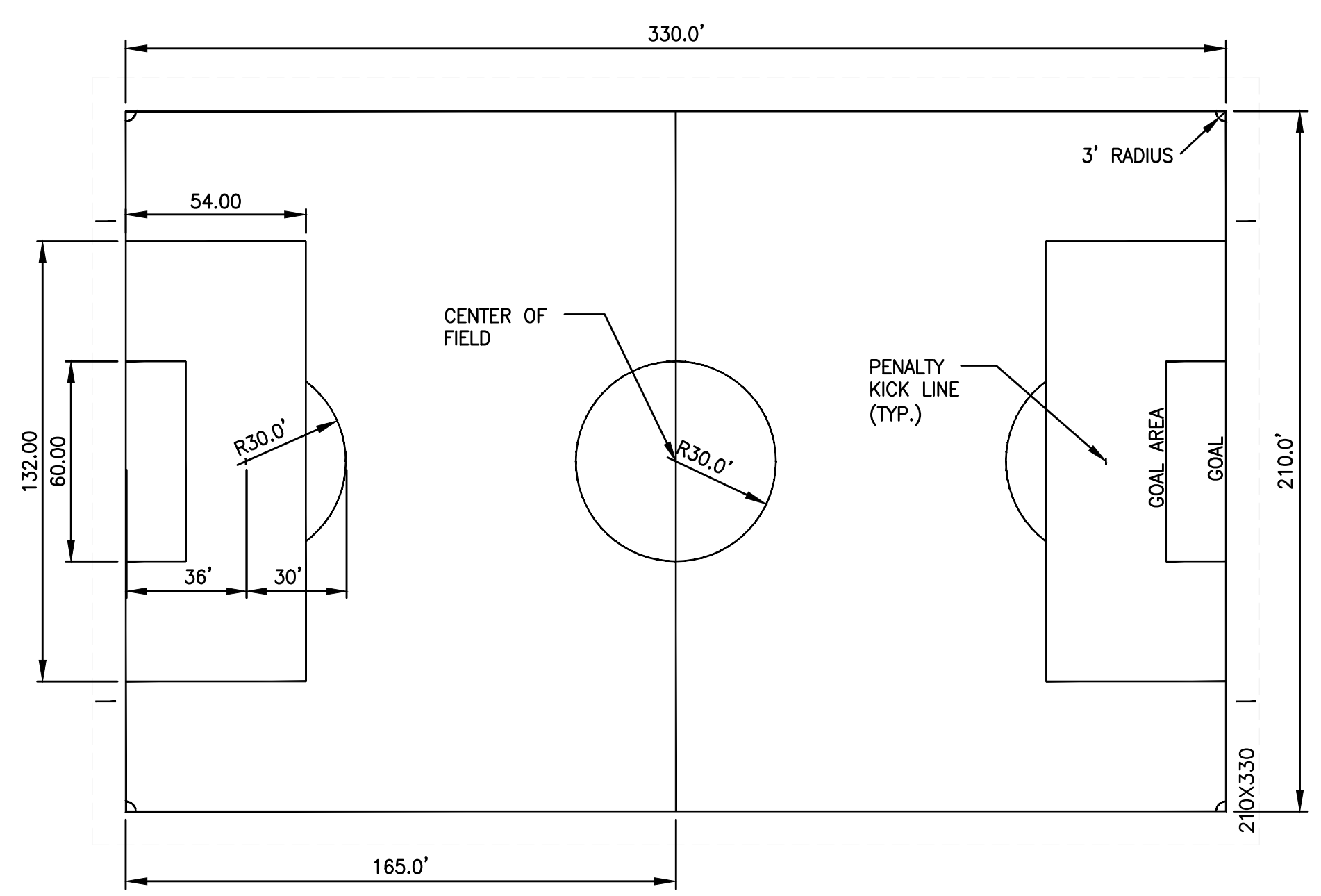
2 SAND PIT SECTION
N.T.S.



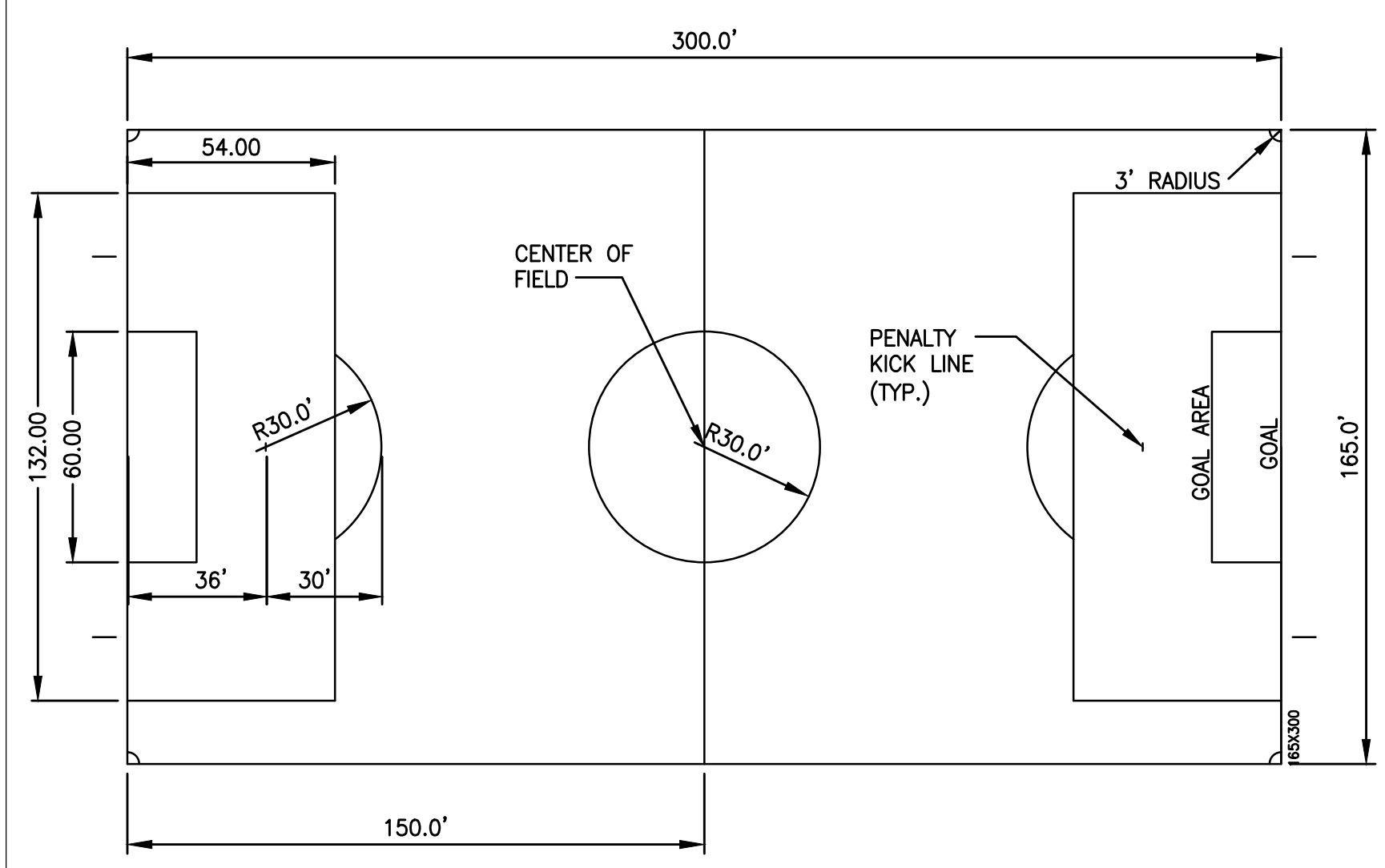
3 LONG/TRIPLE JUMP TAKE-OFF BOARD DETAIL
N.T.S.



1 FOOTBALL STRIPING DETAIL
N.T.S.



3 SOCCER STRIPING DETAIL
N.T.S.



9 NATURAL GRASS SOCCER STRIPING DETAIL
N.T.S.

GALE
Gale Associates, Inc.
Engineers and Planners
163 LIBBEY PARKWAY | WEYMOUTH, MA
02189P 781.335.6465 F 781.335.6467
www.galeinc.com
Boston Baltimore Orlando Hartford Bedford

PERMIT SET

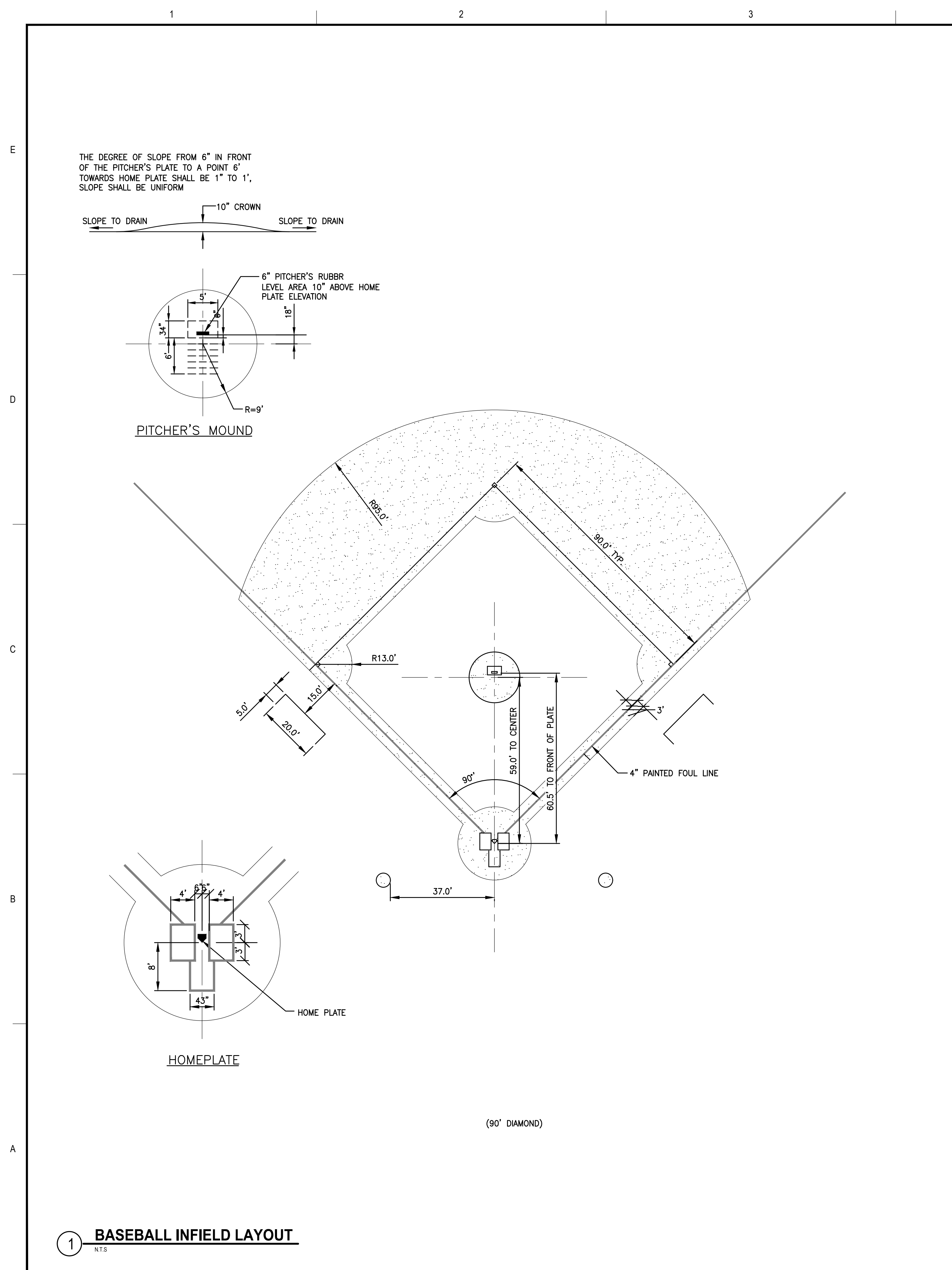
PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982

OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

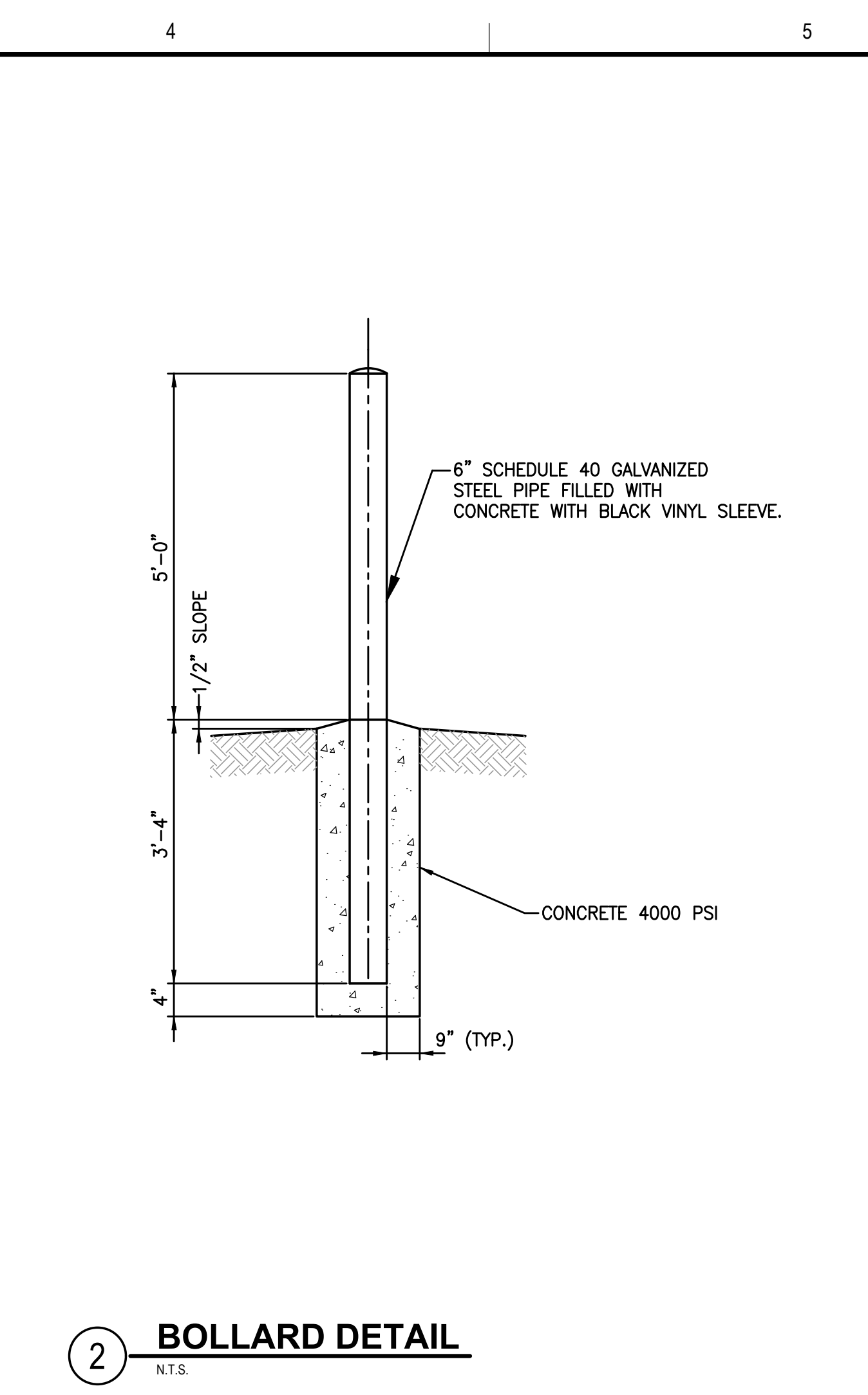
NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C500s		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	N.T.S.		

SHEET TITLE
MAIN ATHLETIC CAMPUS DETAILS
SHEET 6 OF 11

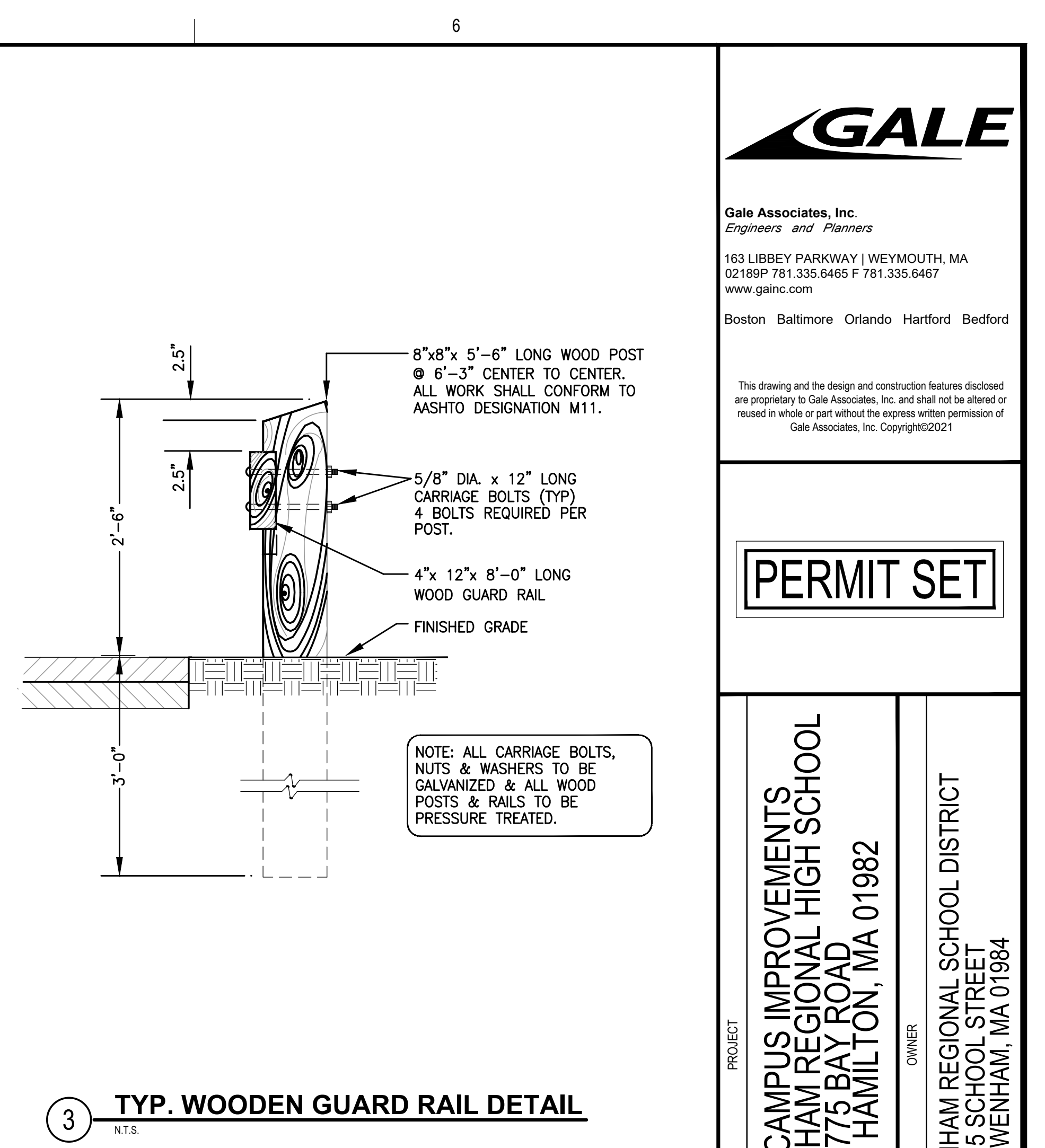
DRAWING NO.
C513
28 OF 33



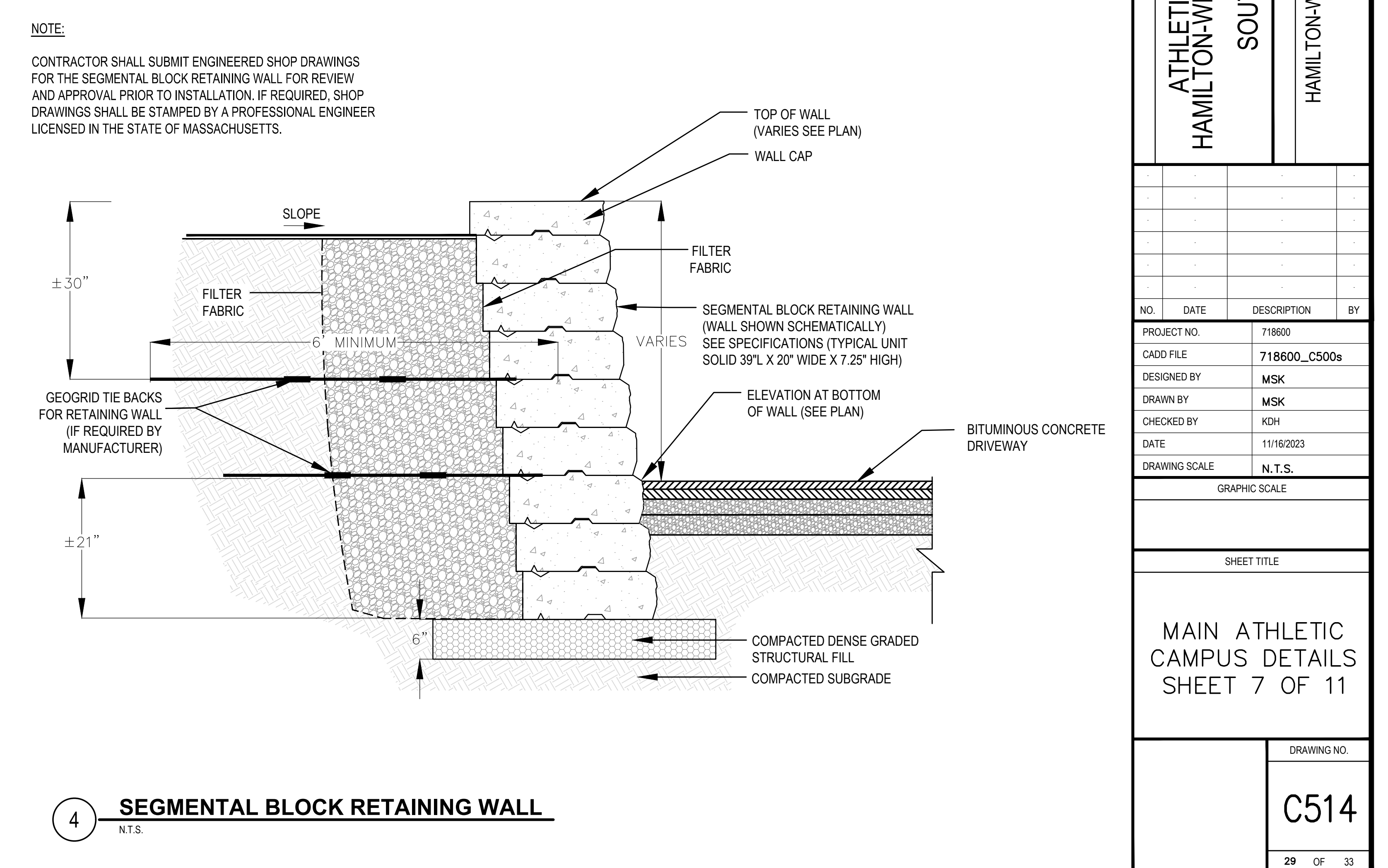
1 BASEBALL INFIELD LAYOUT
N.T.S.



2 BOLLARD DETAIL
N.T.S.



3 TYP. WOODEN GUARD RAIL DETAIL
N.T.S.



4 SEGMENTAL BLOCK RETAINING WALL
N.T.S.

GALE
Gale Associates, Inc.
Engineers and Planners
163 LIBBEY PARKWAY | WEYMOUTH, MA
02189P 781.335.6465 F 781.335.6467
www.gainc.com
Boston Baltimore Orlando Hartford Bedford
This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2021

PERMIT SET

PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982

OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

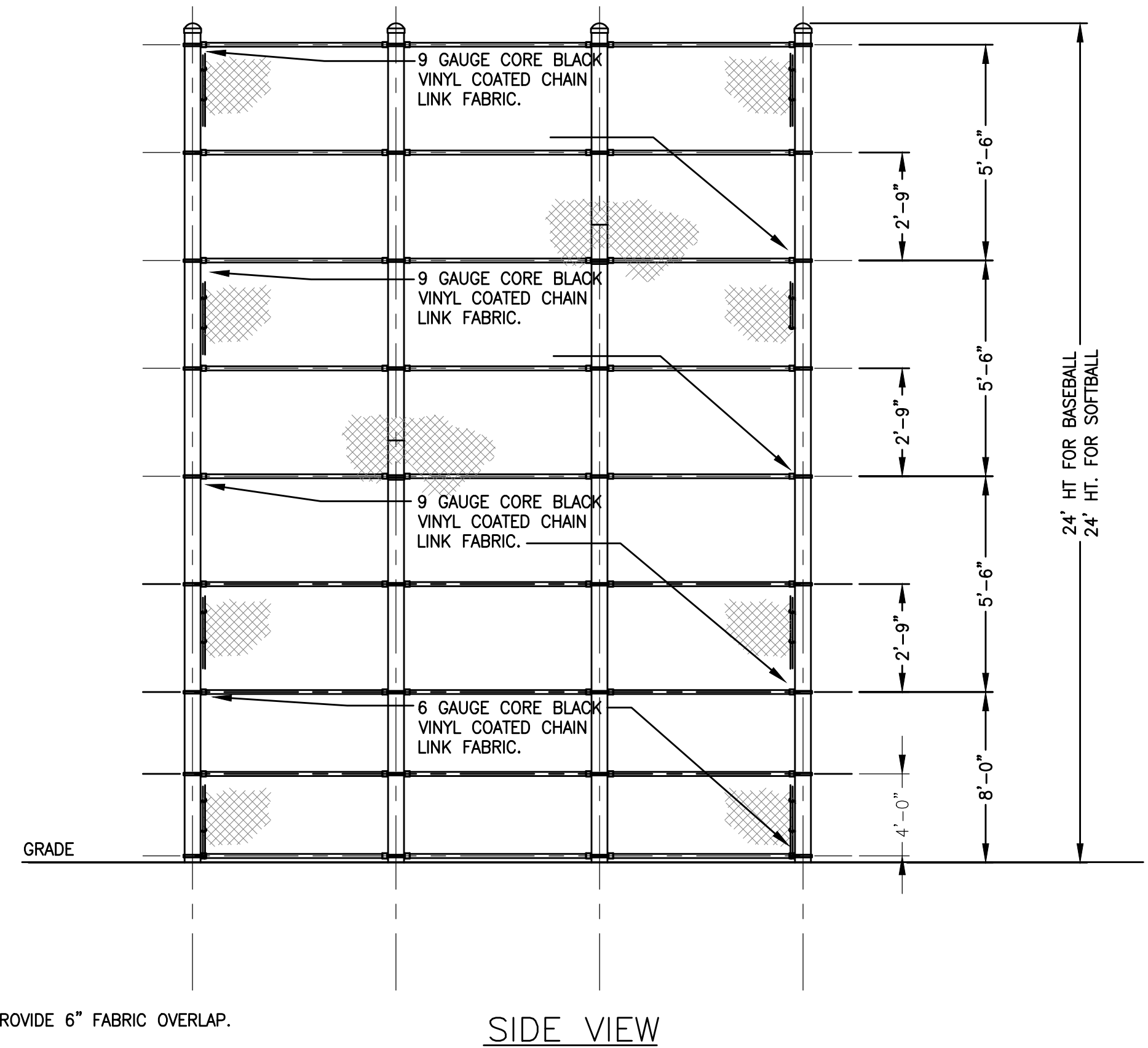
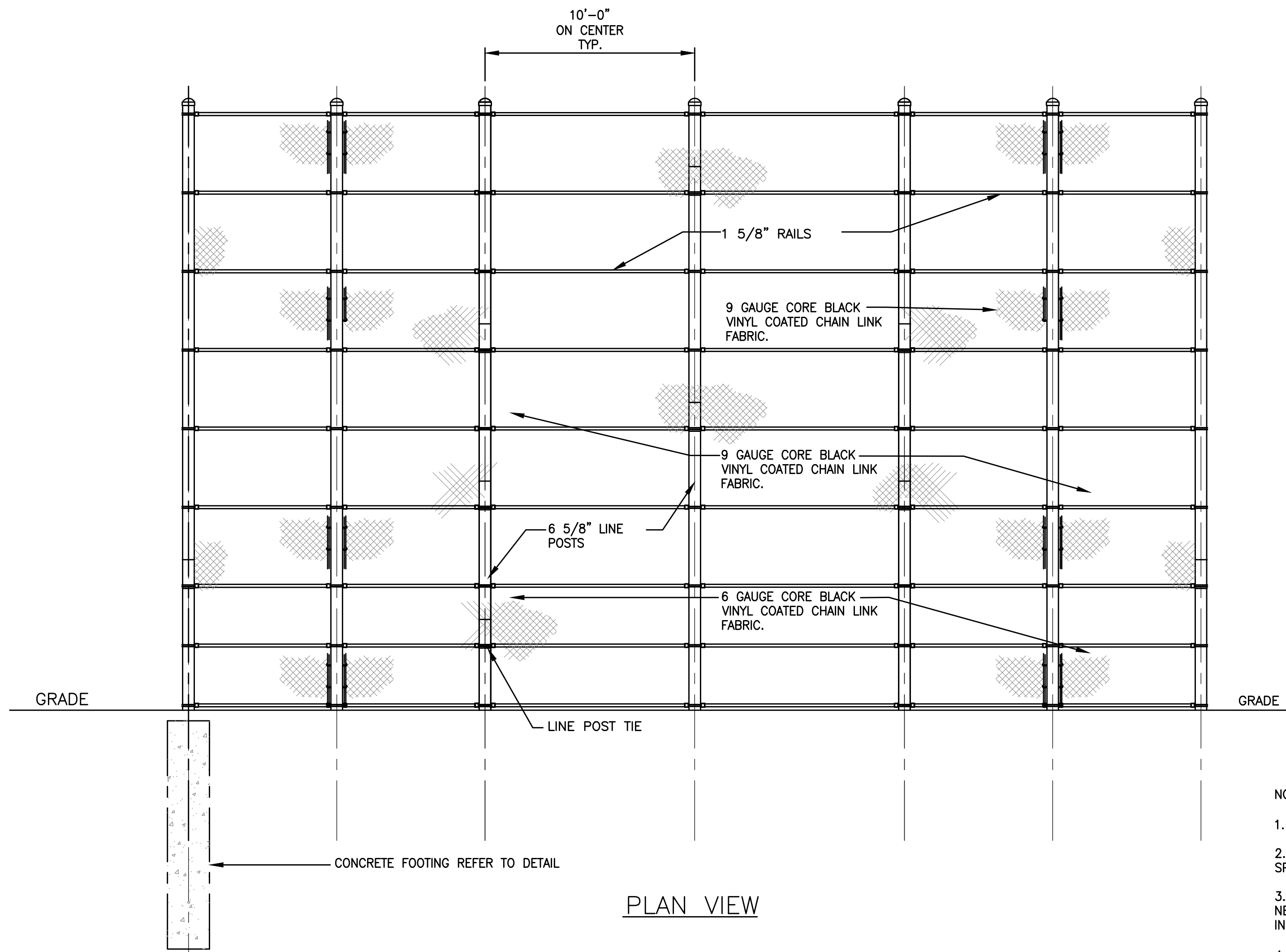
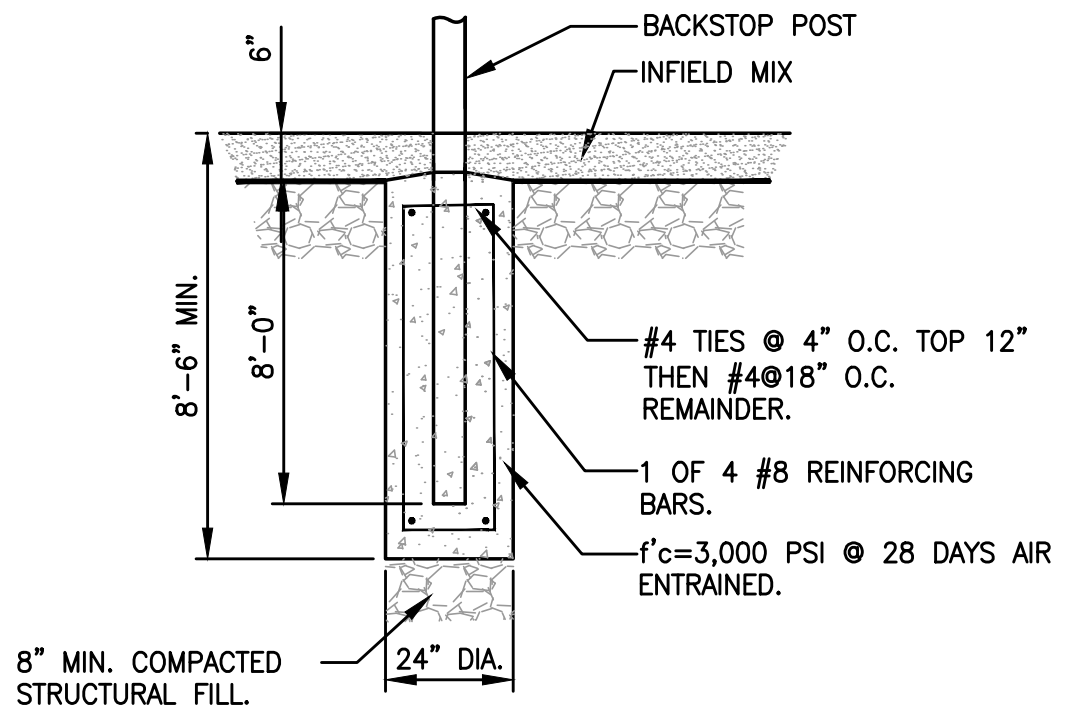
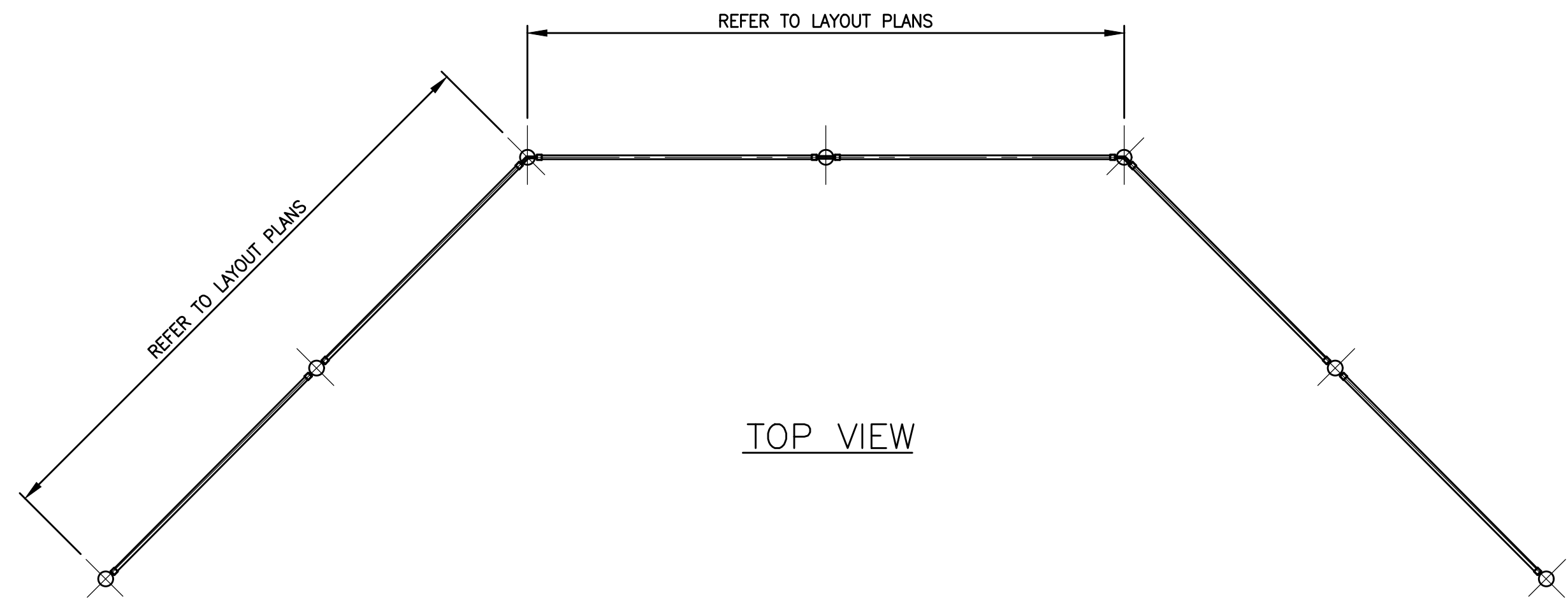
NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C500s		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	N.T.S.		

GRAPHIC SCALE

SHEET TITLE

MAIN ATHLETIC CAMPUS DETAILS
SHEET 7 OF 11

DRAWING NO.
C514
29 OF 33



- NOTES:
1. CONTRACTOR SHALL PROVIDE 6" FABRIC OVERLAP.
 2. ALL SPACING FOR WIRE TIES AND RAIL TIES SHALL BE PER SPECIFICATION SECTION 32 3113.
 3. ALL BACKSTOP FENCING POSTS, FABRIC, TIES AND NECESSARY MATERIALS SHALL BE BLACK PVC COATED AS STATED IN SPECIFICATION SECTION 32 3113.
 4. ALL BACKSTOP CHAIN LINK FABRIC TO BE KNUCKLED (TOP & BOTTOM). FABRIC TO BE ON FIELD SIDE OF POSTS.

1 BACKSTOP DETAIL
N.T.S.



Gale Associates, Inc.
Engineers and Planners
163 LIBBEY PARKWAY | WEYMOUTH, MA
02189P 781.335.6465 F 781.335.6467
www.gainc.com
Boston Baltimore Orlando Hartford Bedford

This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2021

PERMIT SET

PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982

OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C500s		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	N.T.S.		

GRAPHIC SCALE

SHEET TITLE

MAIN ATHLETIC CAMPUS DETAILS
SHEET 8 OF 11

DRAWING NO.

C515

FENCE HEIGHT	END & CORNER POSTS		LINE POSTS	
	B-1 BAR LENGTH	H-1 HEIGHT ABOVE GRADE	B-2 BAR LENGTH	H-2 HEIGHT ABOVE GRADE
4'-0"	7'-0"	4'-0 5/8"	6'-8"	3'-8 7/8"
6'-0"	9'-0"	6'-0 5/8"	8'-8"	5'-8 7/8"
8'-0"	11'-0"	8'-0 5/8"	10'-8"	7'-8 7/8"
10'-0"	13'-0"	10'-0 5/8"	12'-8"	9'-8 7/8"

SINGLE OR DOUBLE LEAF GATES		
NOM HEIGHT (H)	UPRIGHT HT (U)	FRAME HT (F)
	ACTUAL DIM	ACTUAL DIM
4'-0"	3'-10"	3'-8 1/2"
6'-0"	5'-10"	5'-8 1/2"
8'-0"	7'-10"	7'-8 1/2"
10'-0"	9'-10"	9'-8 1/2"

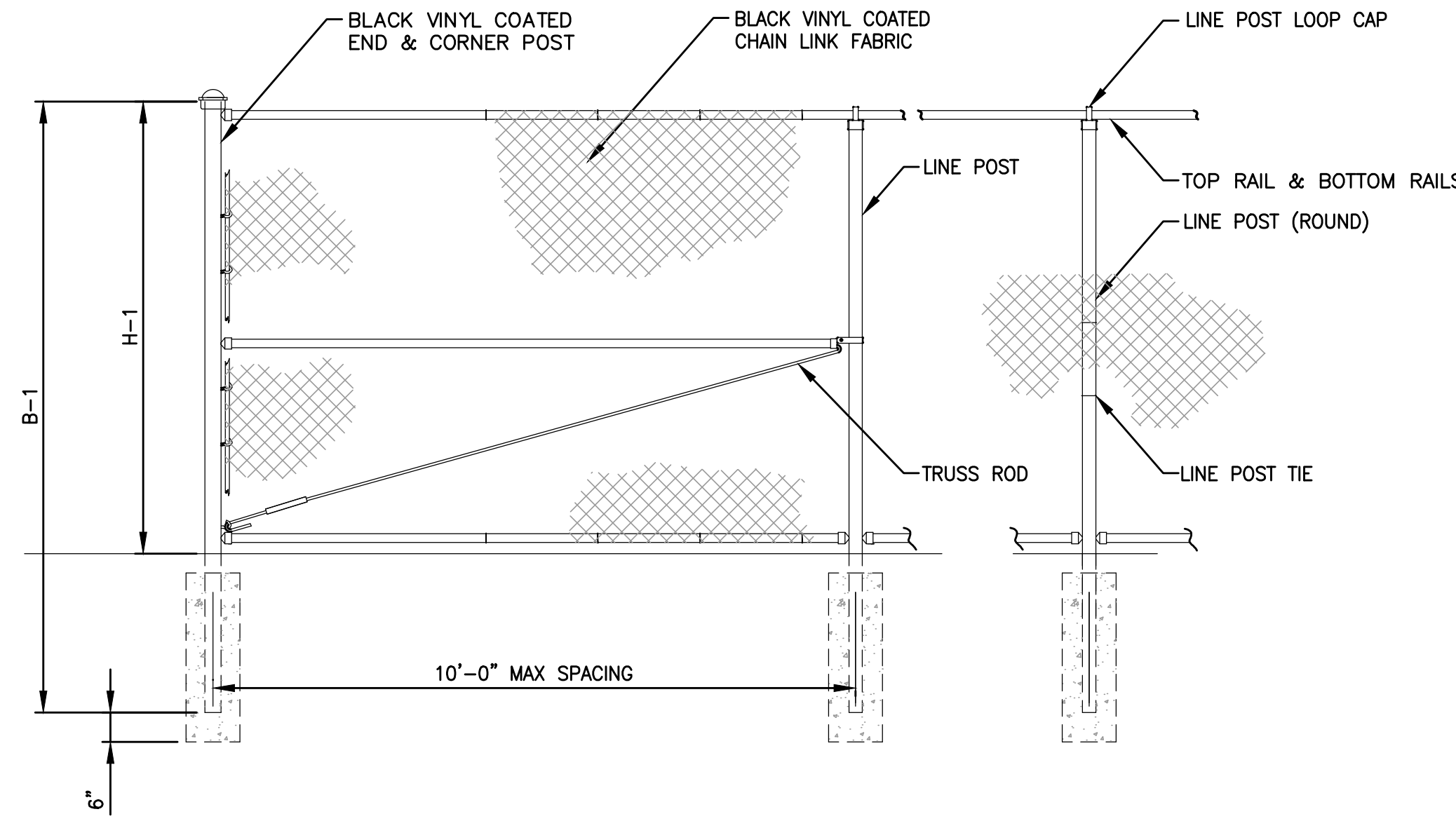
SINGLE LEAF GATES		
OPENING	GATE POSTS	HINGE SPACE (S)
FACE TO FACE	SQ & RND SIZES	POST TO UPRIGHT
3'-0" THROUGH 6'-0"	2 1/2" SQ. OR 2 7/8" O.D.	FOR SQUARE & ROUND GATE POSTS: 2 1/4" [57MM]

DOUBLE LEAF GATES		
OPENING	GATE POSTS	HINGE SPACE (S)
FACE TO FACE	SQ & RND SIZES	POST TO UPRIGHT
14'-0" THROUGH 24'-0"	3" SQ. OR 4" O.D.	FOR SQUARE & ROUND GATE POSTS: 2 1/4" [57MM]

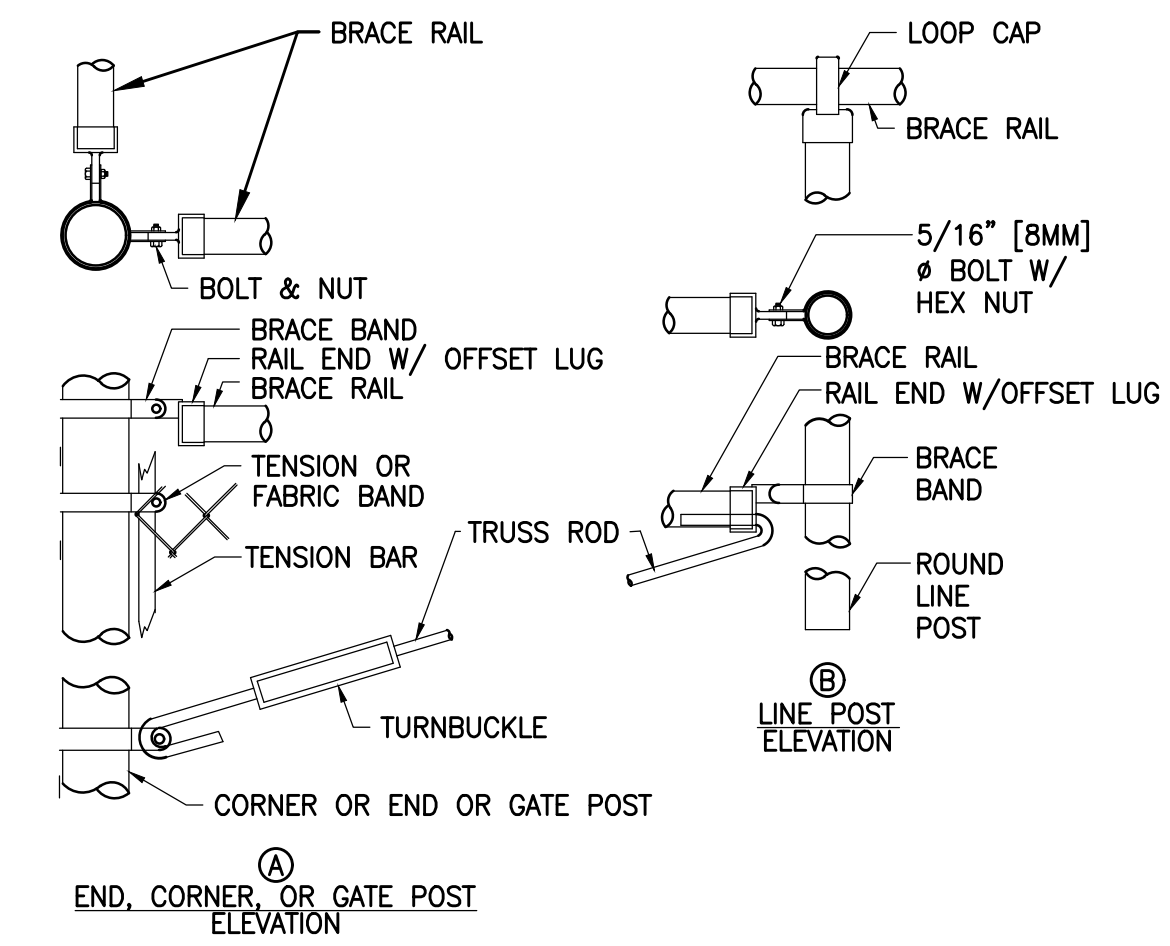
NOTES:

- ALL CHAIN LINK FENCE FABRIC SHALL BE KNUCKLED (TOP AND BOTTOM).
- ALL CHAIN LINK FENCE POSTS, FABRIC, TIES AND MATERIALS SHALL BE BLACK POWDER COATED.
- CENTER UPRIGHT REQUIRED ON GATE LEAVES 8'-0" & WIDER. CENTER RAIL REQUIRED ON GATE LEAVE 6'-0" & HIGHER.
- CONCRETE FOOTINGS SHALL BE FOUR (4) x THE POST DIAMETER, OR AS DESIGNATED ON INDIVIDUAL DETAILS.

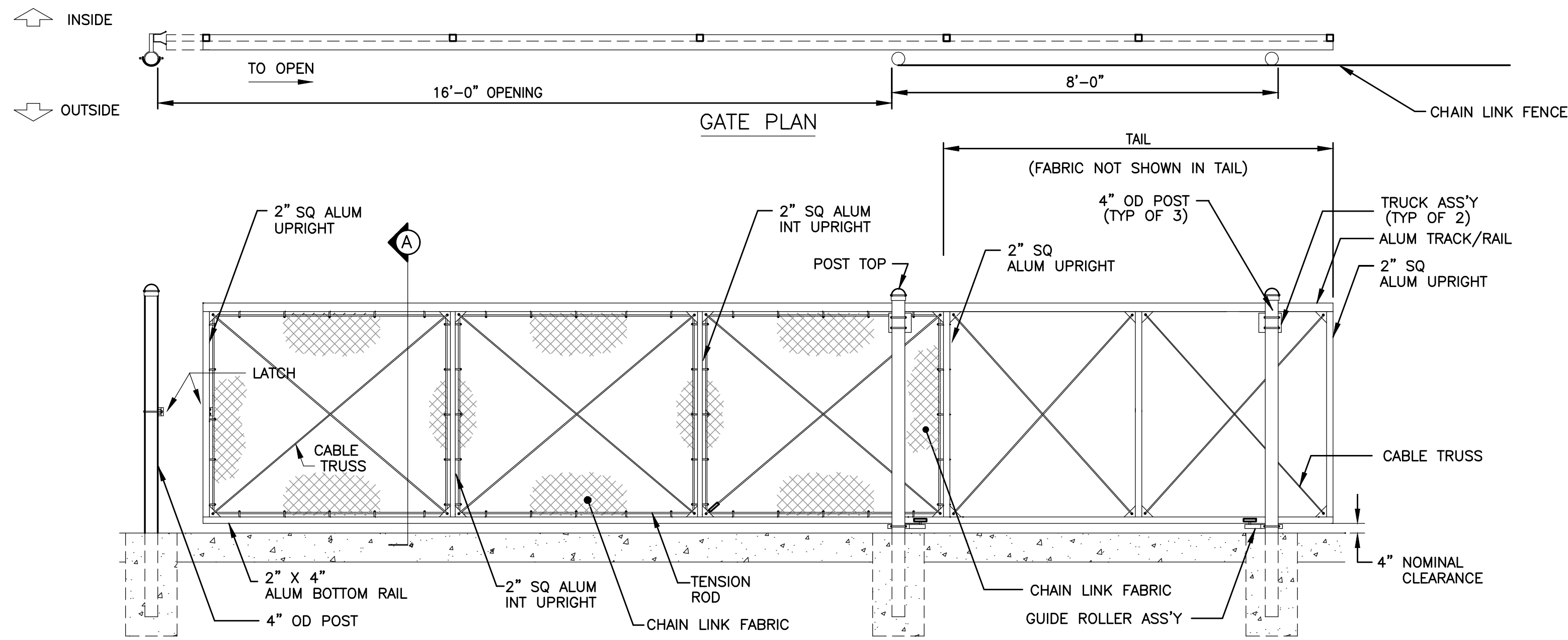
1 CHAIN LINK FENCE AND GATE NOTES
N.T.S.



2 CHAIN LINK FENCE
N.T.S.



3 CHAIN LINK FENCE & GATE CONNECTION DETAIL
N.T.S.

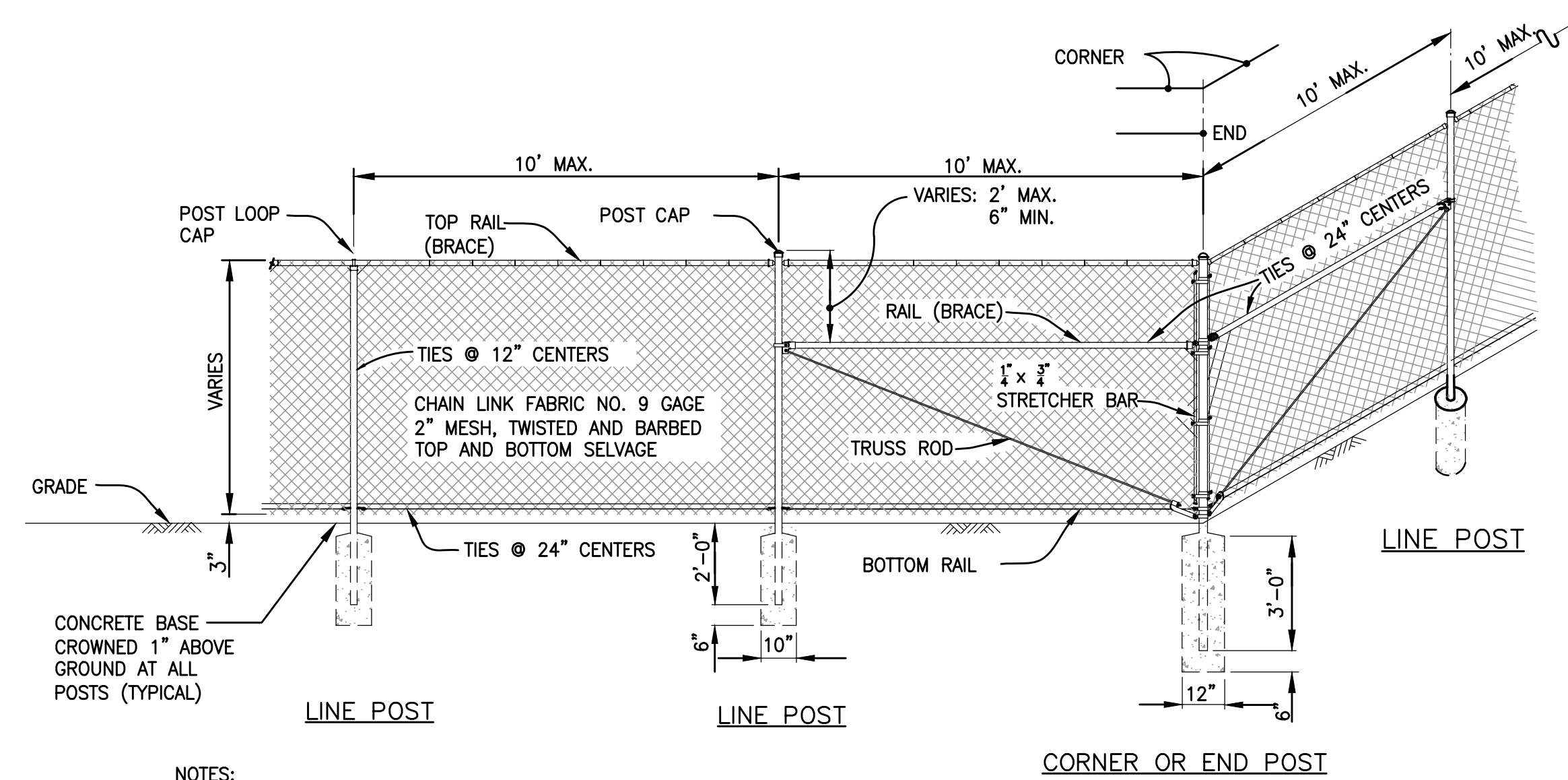


NOTES:

- FOOTING WIDTH TO BE (4) X POST WIDTH. MIN DEPTH TO BE 36".
- ALL FENCING TO BE BLACK VINYL COATED.

NOM HEIGHT (H)	4'-0"
OPENING	6'-0" THROUGH 30'-0"

4 CANTILEVER SLIDING GATE ELEVATION
N.T.S.



NOTES:

- ALL CHAIN LINK FENCE FABRIC SHALL BE KNUCKLED (TOP AND BOTTOM)
- ALL CHAIN LINK FENCE POSTS, FABRIC, TIES AND MATERIALS SHALL BE BLACK PVC COATED.
- CONCRETE FOOTINGS SHALL BE FOUR (4) x THE POST DIAMETER, OR AS DESIGNATED ON INDIVIDUAL DETAILS.
- HOLD TOP OF CONCRETED FOOTING 6" BELOW GRADE

5 CHAIN LINK FENCE CORNER DETAIL
N.T.S.



Gale Associates, Inc.
Engineers and Planners
163 LIBBEY PARKWAY | WEYMOUTH, MA
02189P 781.335.6465 F 781.335.6467
www.gainc.com

Boston Baltimore Orlando Hartford Bedford

This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2021

PERMIT SET

PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982

OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C500s		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	N.T.S.		

GRAPHIC SCALE

SHEET TITLE

MAIN ATHLETIC CAMPUS DETAILS
SHEET 9 OF 11

DRAWING NO.

C516



Gale Associates, Inc.
 Engineers and Planners
 163 LIBBEY PARKWAY | WEYMOUTH, MA
 02189P 781.335.6465 F 781.335.6467
 www.gainc.com
 Boston Baltimore Orlando Hartford Bedford

This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright © 2021

PERMIT SET

PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982

OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C500s		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	N.T.S.		

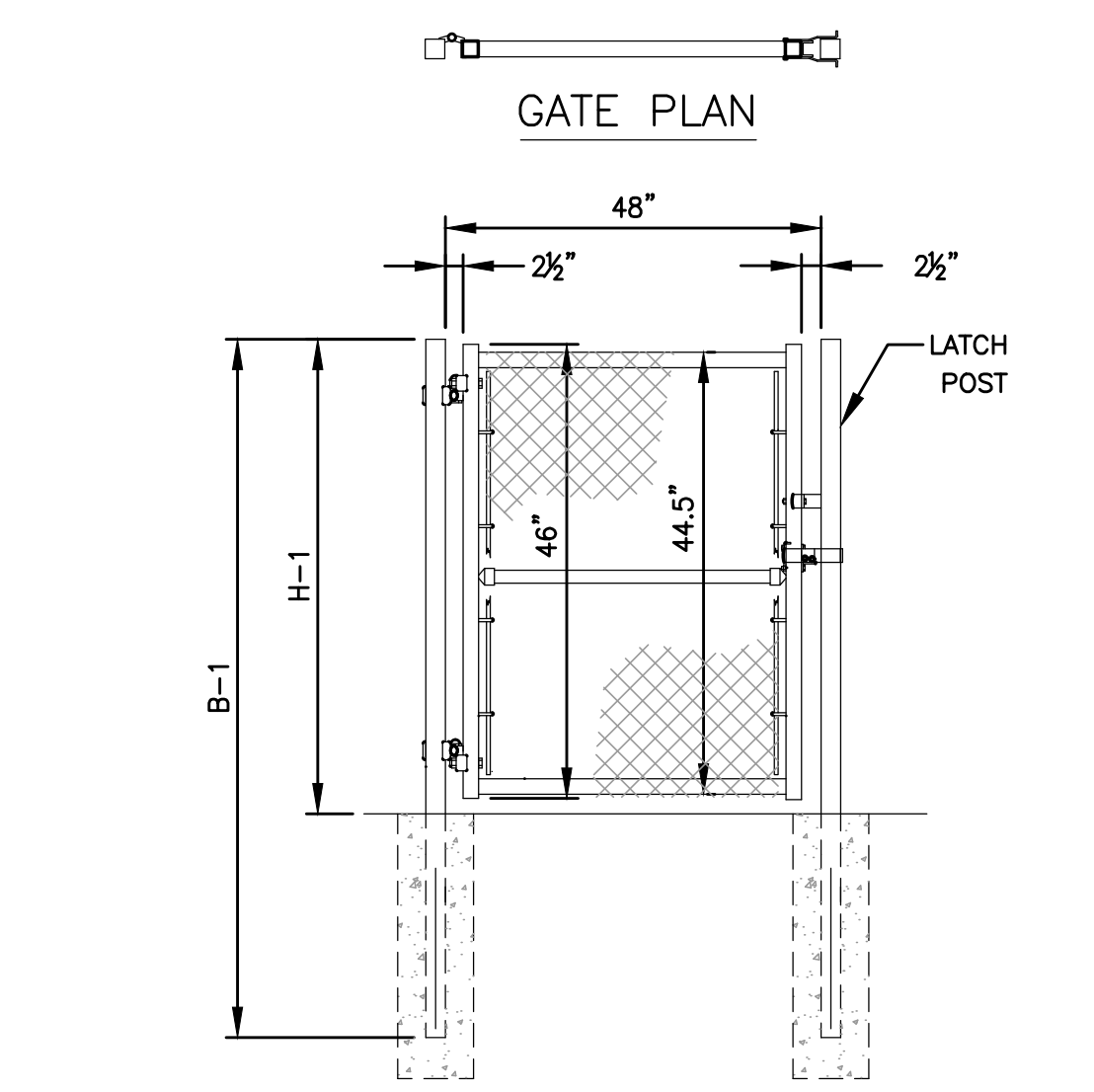
GRAPHIC SCALE

SHEET TITLE

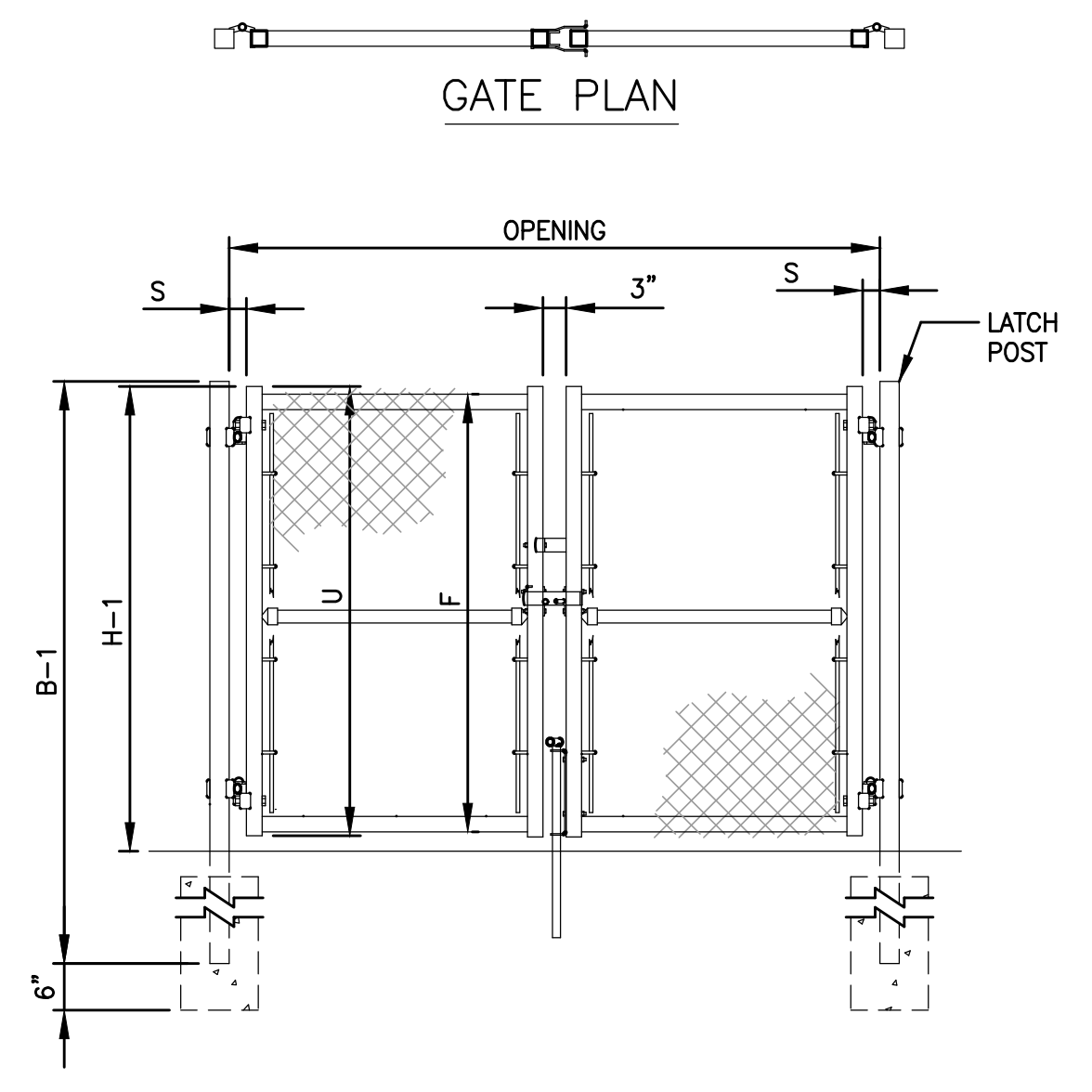
MAIN ATHLETIC CAMPUS DETAILS
SHEET 10 OF 11

DRAWING NO.

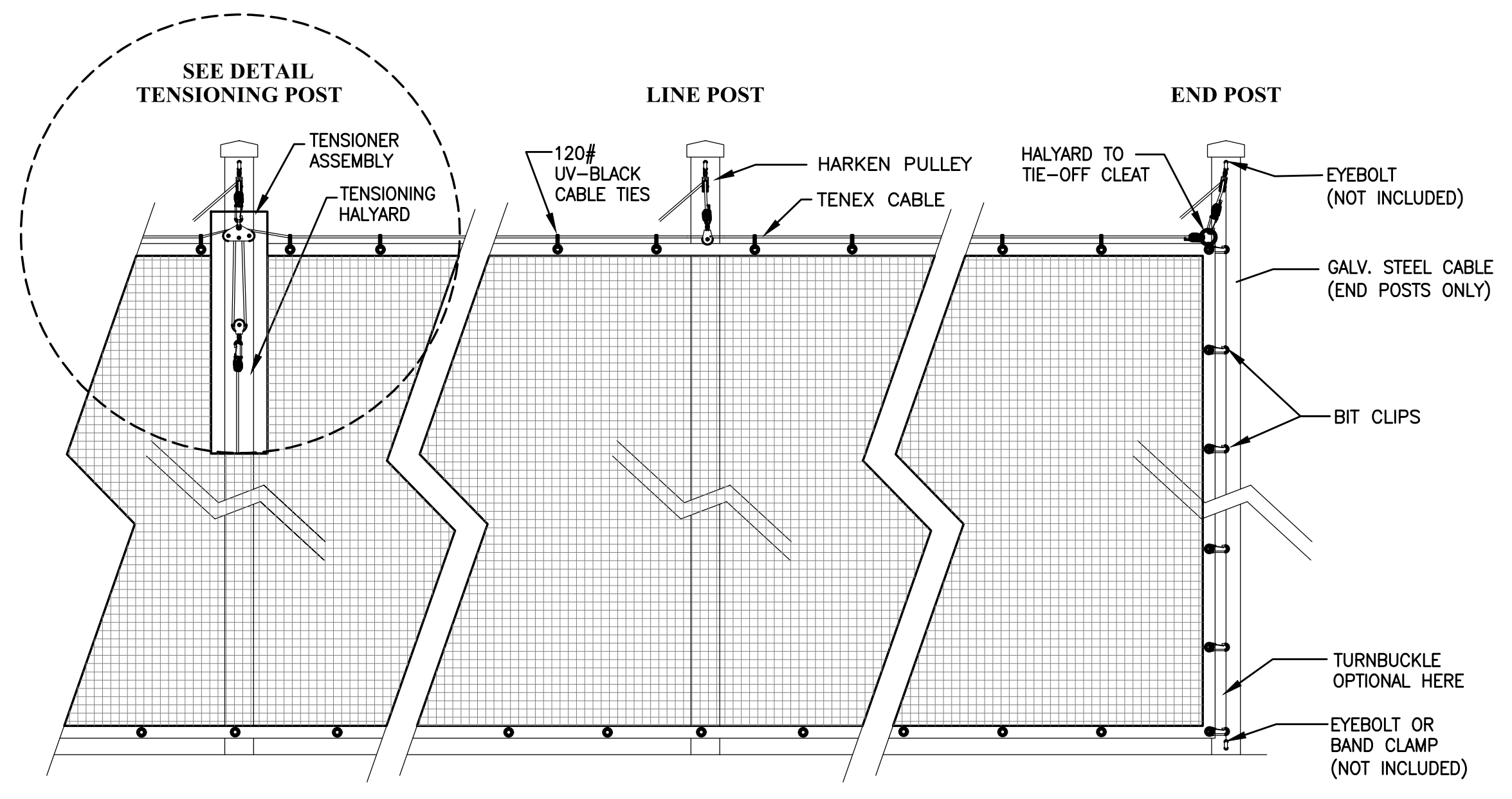
C517



1 4' WIDE SINGLE LEAF GATE DETAIL
 N.T.S.

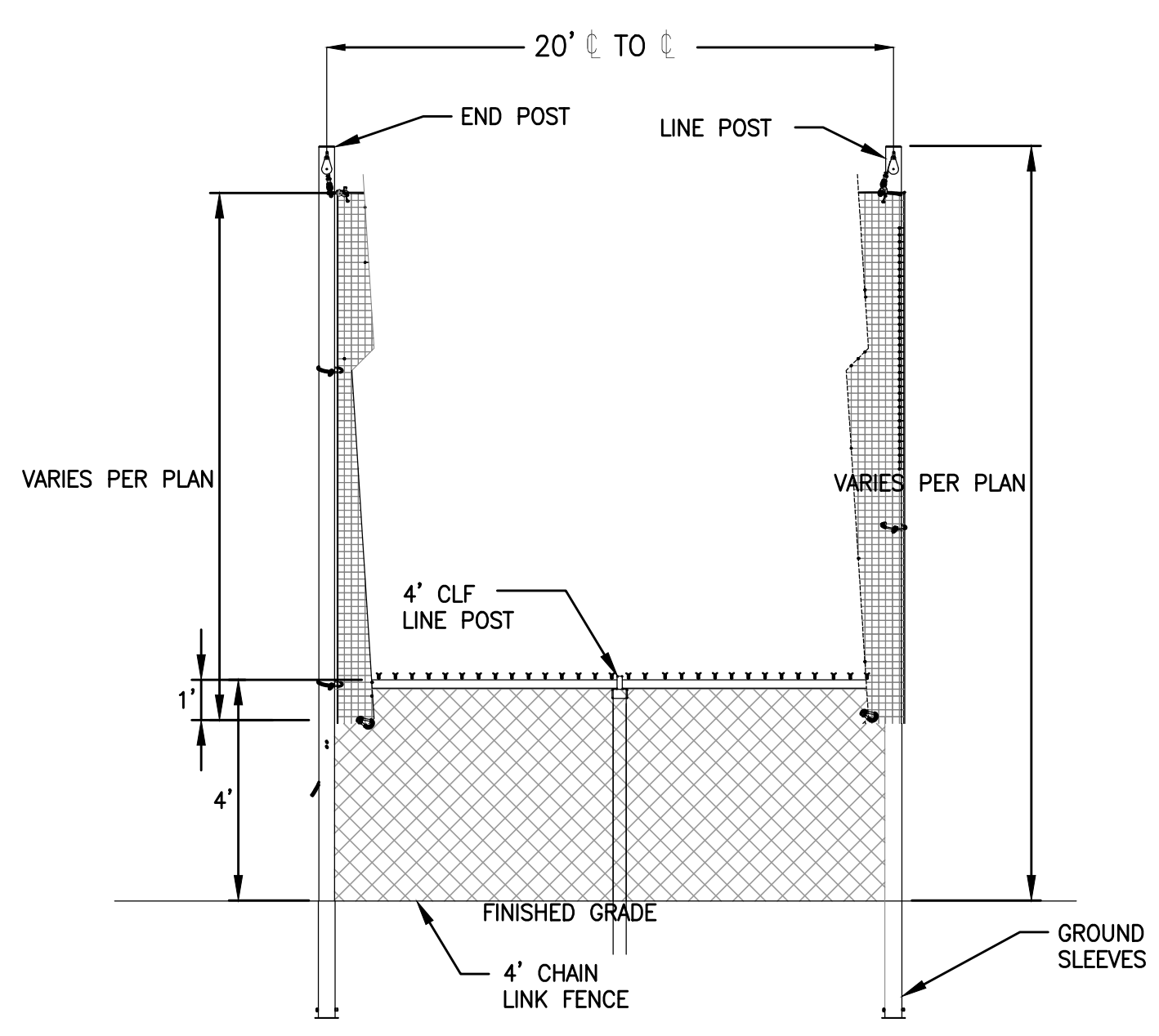


2 DOUBLE GATE DETAIL
 N.T.S.



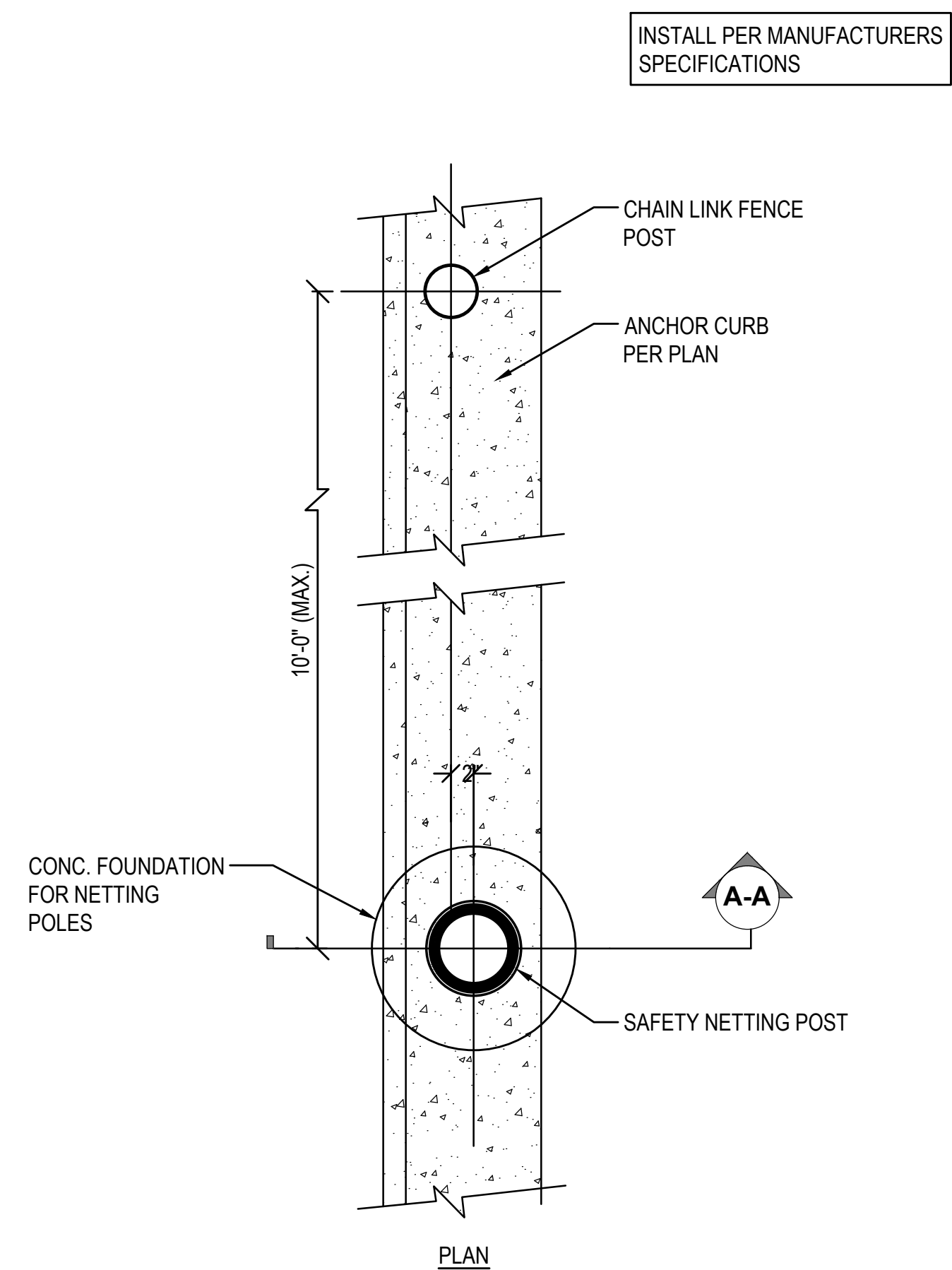
- NOTES:**
- #504 KNOTLESS NYLON ~ 180-LB. BREAK STRENGTH
 - 1-3/4" SQUARE MESH BLACK - UV TREATED
 - VINYL HEMS AND GROMMETS SPACED EVERY FOOT ON ALL SIDES OF EACH PANEL
 - POST SHALL BE 4.00" OD ALUMINUM BLACK VINYL COATED SPACED 20' O.C., AND END POSTS SHALL BE 3.50" SCH. 40 STEEL BLACK VINYL COATED.

3 SAFETY NETTING SYSTEM
 N.T.S.

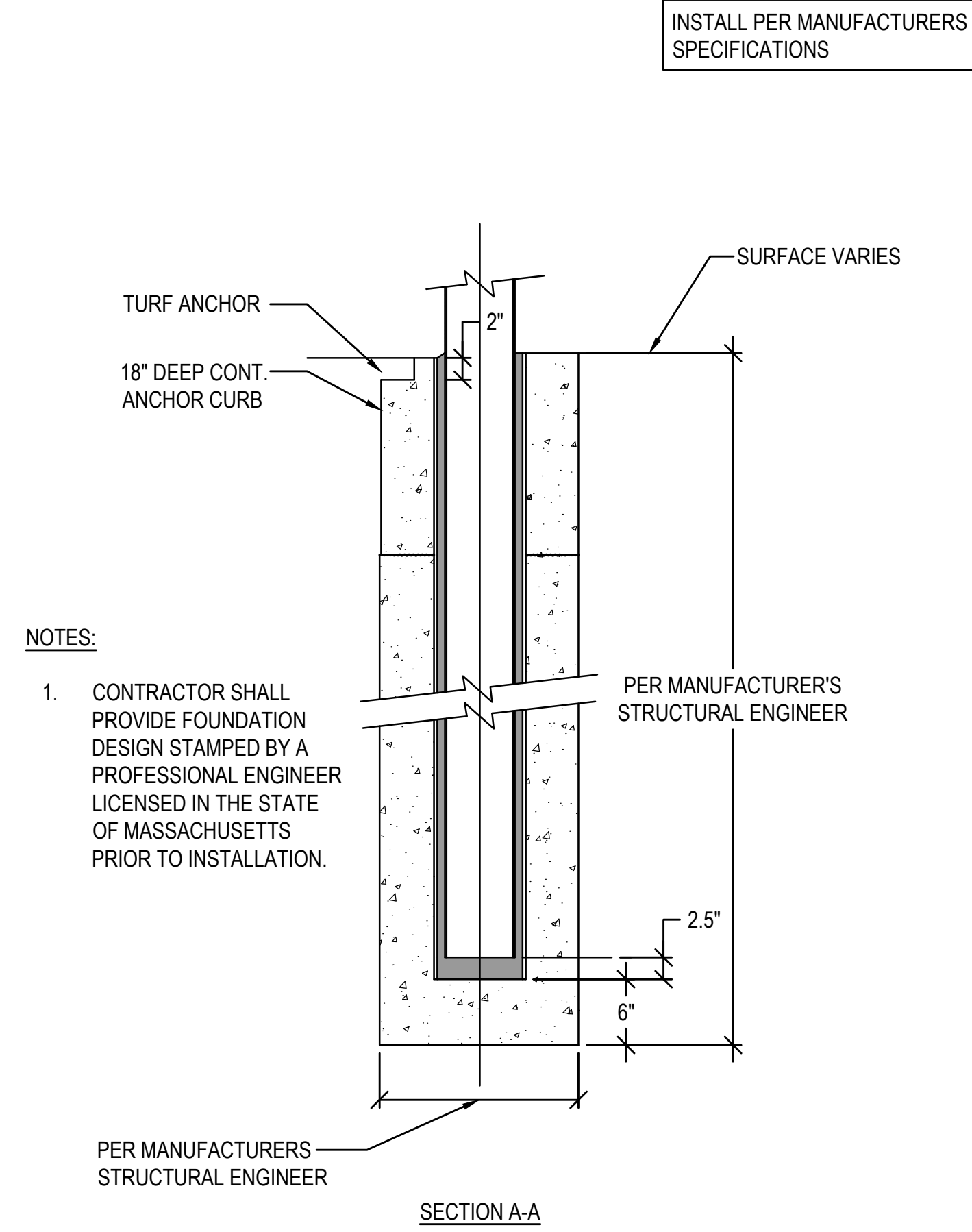


- NOTES:**
- NETTING SHALL OVERLAP WITH THE CHAIN LINK FENCE A MINIMUM OF 1-FOOT AND SHALL BE SECURED TO THE FENCING FABRIC WITH QUICK CLIP SPRING HOOKS.
 - NETTING SHALL OVERLAP THE CHAIN LINK FENCE ON THE PLAYING FIELD SIDE OF THE FENCE FABRIC.

4 FENCING AND SAFETY NETTING DETAIL
 N.T.S.

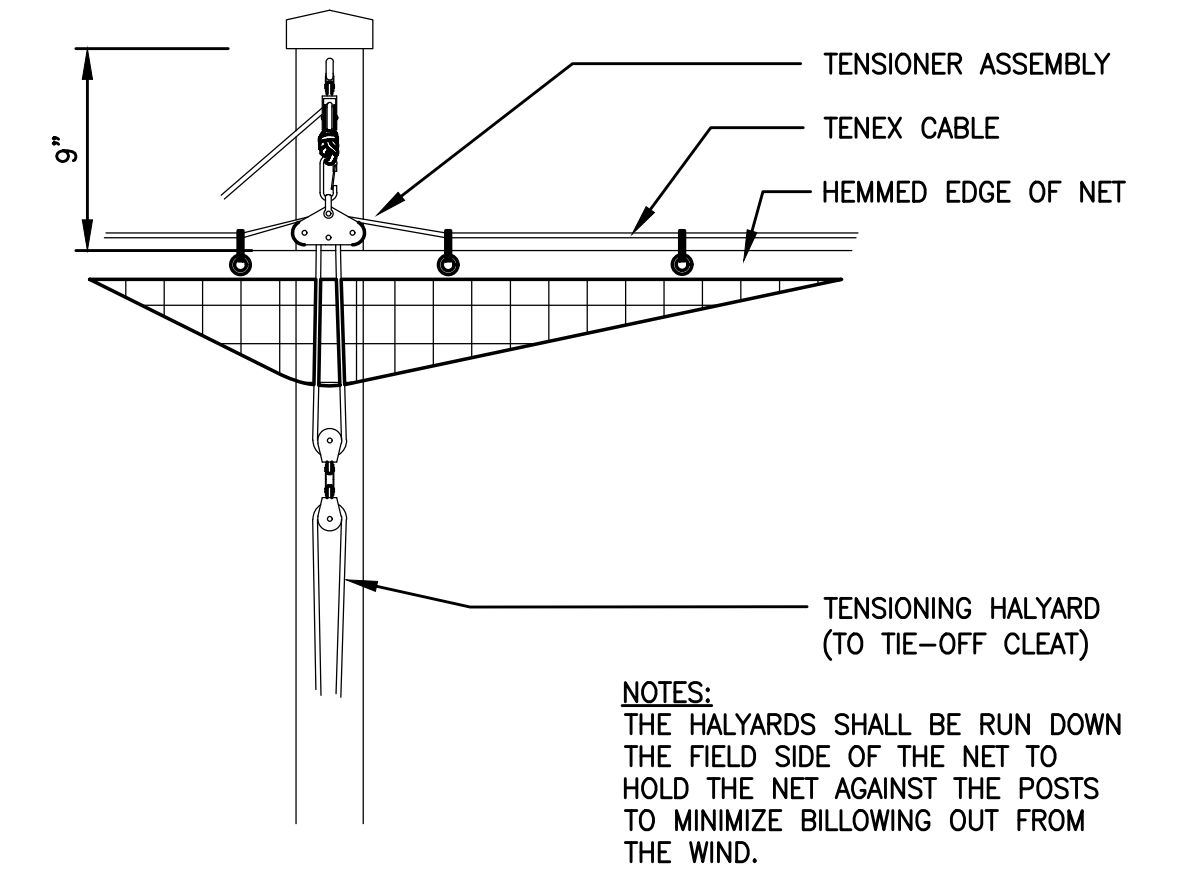


5 SAFETY NETTING POST FOUNDATION DETAIL
 N.T.S.



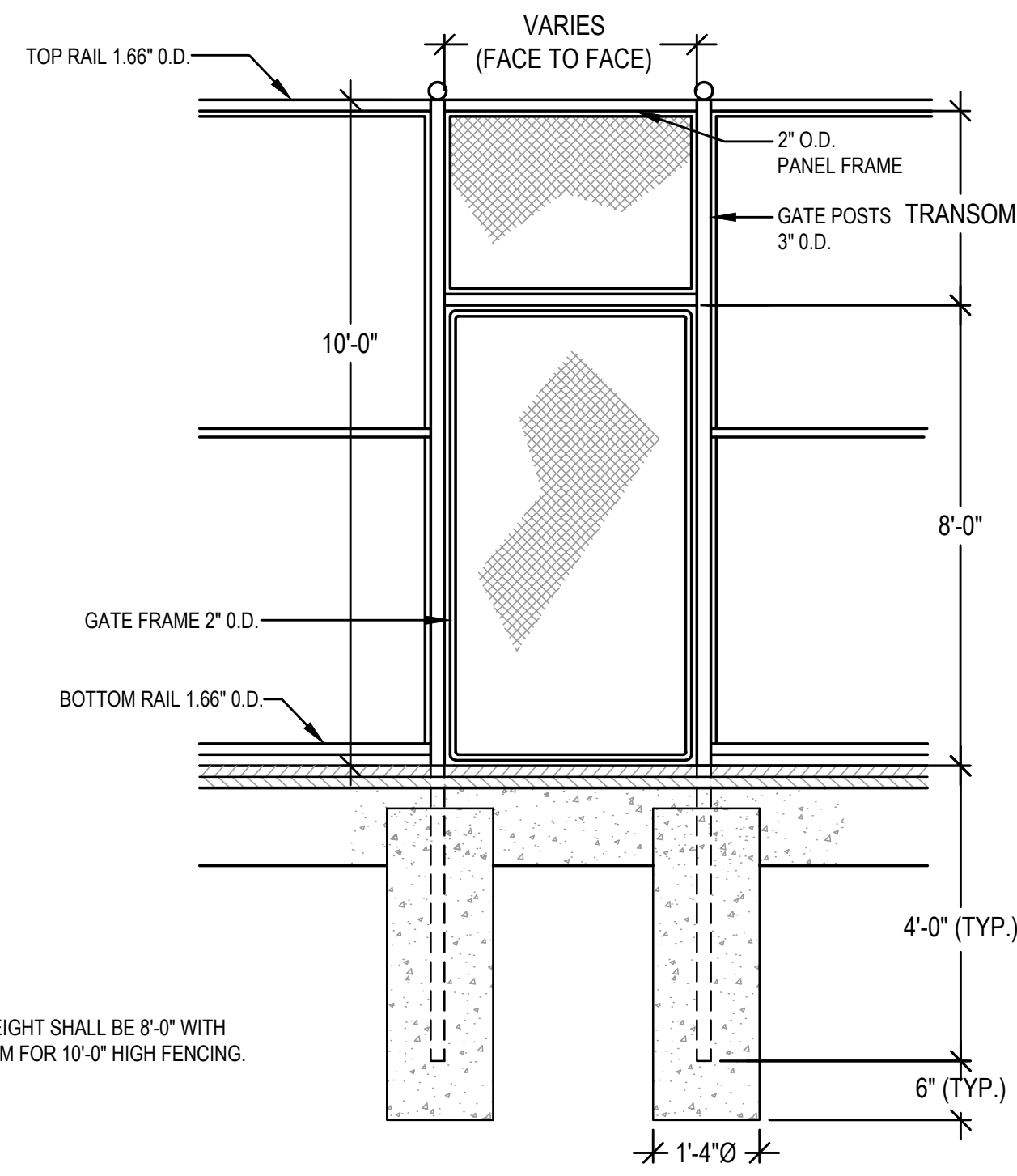
- NOTES:**
- CONTRACTOR SHALL PROVIDE FOUNDATION DESIGN STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MASSACHUSETTS PRIOR TO INSTALLATION.

6 SECTION AT SAFETY NETTING SYSTEM FOUNDATION
 N.T.S.



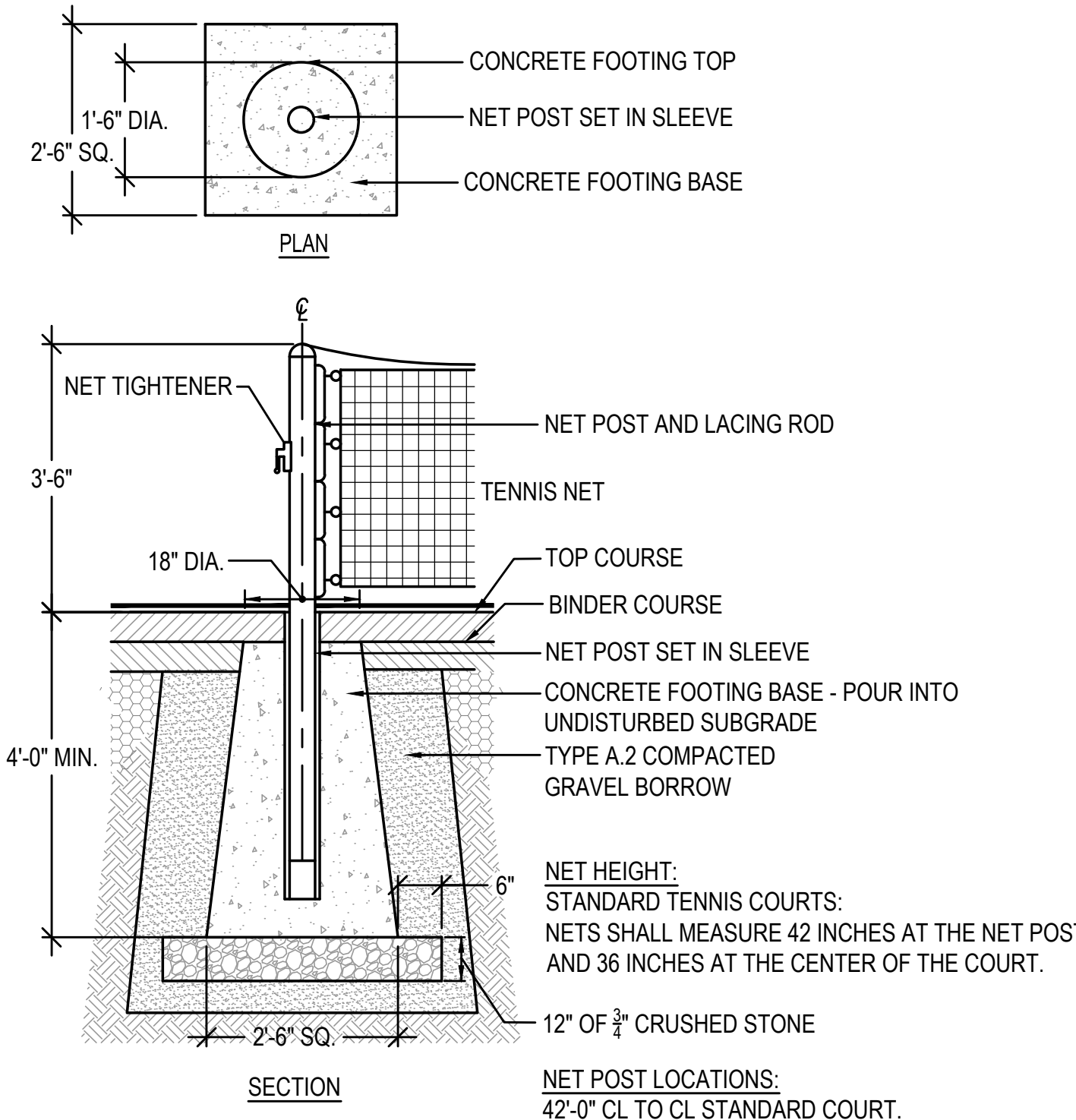
- NOTES:**
- THE HALYARDS SHALL BE RUN DOWN THE FIELD SIDE OF THE NET TO HOLD THE NET AGAINST THE POSTS TO MINIMIZE BLOWING OUT FROM THE WIND.

7 TENSIONING POST DETAIL
 N.T.S.



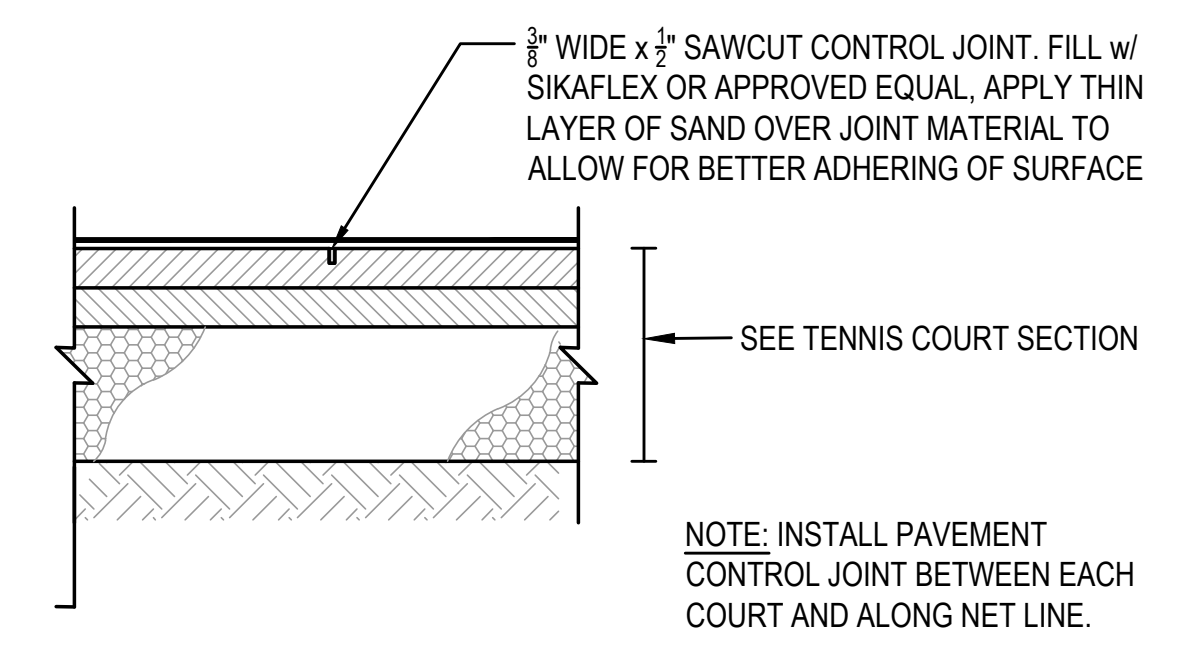
NOTE:
1. GATE HEIGHT SHALL BE 8'-0" WITH TRANSOM FOR 10'-0" HIGH FENCING.

1 SINGLE LEAF GATE @ TENNIS COURTS
N.T.S.



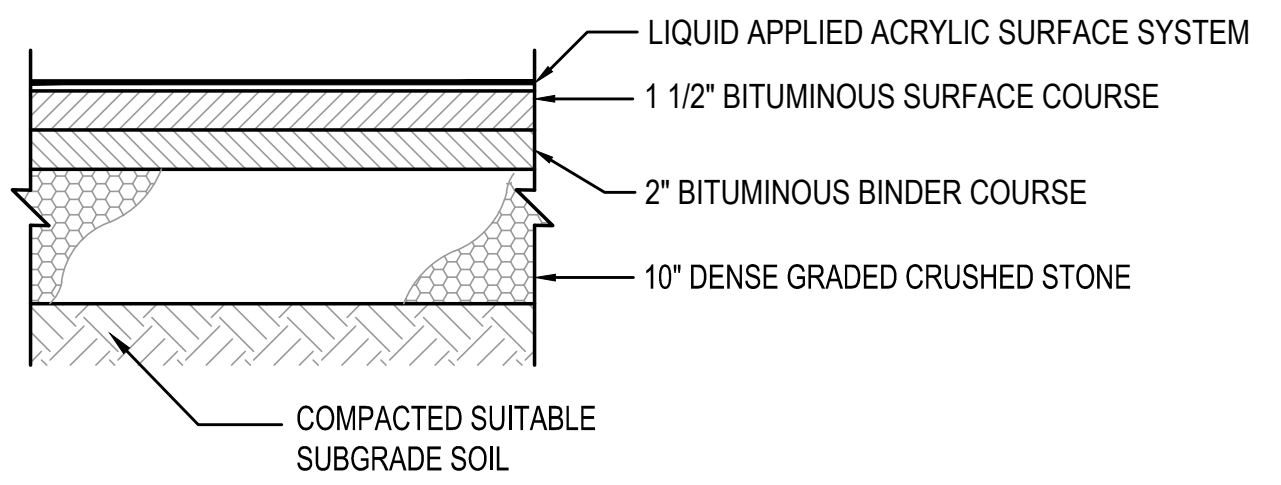
NET HEIGHT:
STANDARD TENNIS COURTS:
NETS SHALL MEASURE 42 INCHES AT THE NET POST AND 36 INCHES AT THE CENTER OF THE COURT.
NET POST LOCATIONS:
42'-0" CL TO CL STANDARD COURT.

2 TENNIS NET POST
N.T.S.



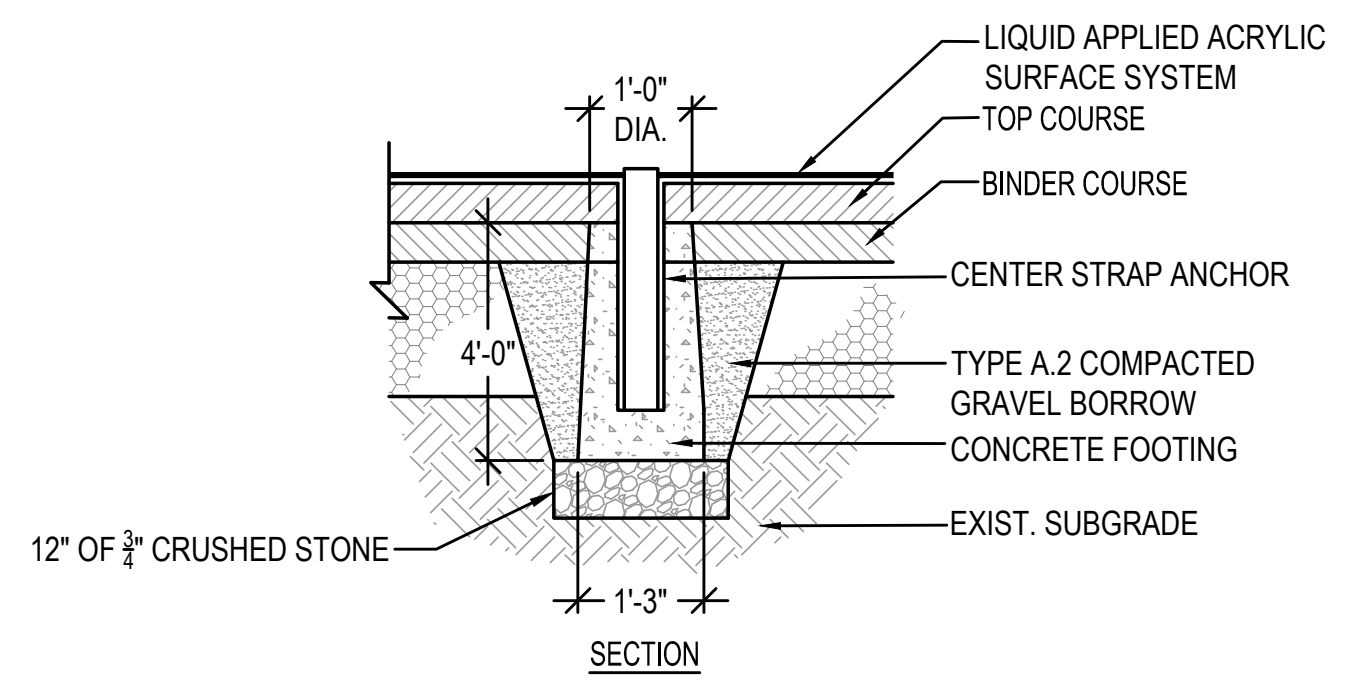
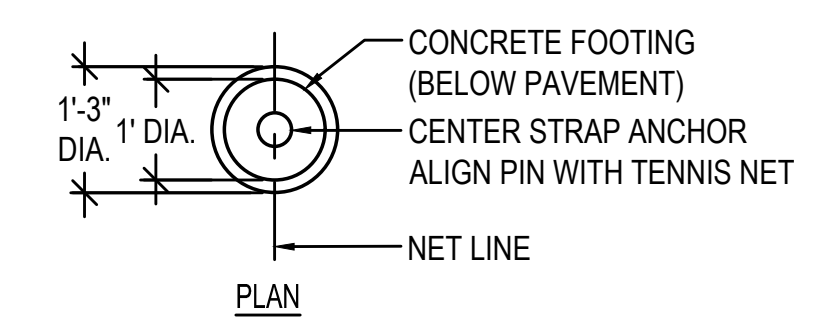
NOTE: INSTALL PAVEMENT CONTROL JOINT BETWEEN EACH COURT AND ALONG NET LINE.

3 TENNIS PAVEMENT CONTROL JOINT
N.T.S.

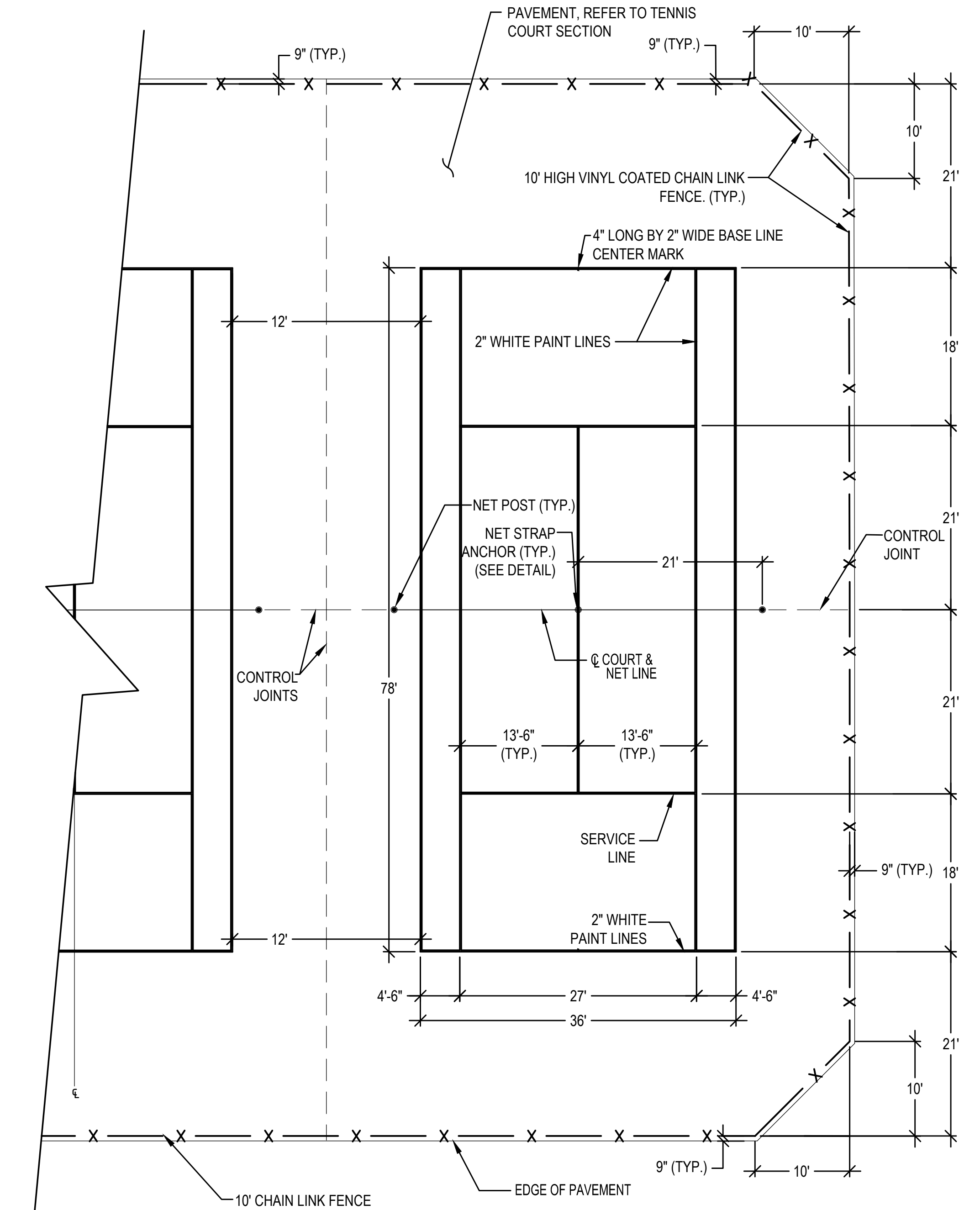


NOTE:
1. BINDER COURSE AND SURFACE COURSES SHALL BE INSTALLED PERPENDICULAR TO EACH OTHER.
2. TENNIS COURT BITUMINOUS CONCRETE SHALL CONTAIN 0% RECYCLED ASPHALT AND 0% RECYCLED SHINGLES.

4 TENNIS COURT SECTION
N.T.S.



5 TENNIS NET CENTER TRAP ANCHOR
N.T.S.



NOTES:
1. NEW TENNIS COURTS TO INCLUDE INSTALLATION OF NEW POSTS, NETS STRAPS W/ ANCHORS AND FENCING.
2. COURT SURFACE COLORS TO BE APPROVED BY OWNER.
3. ALL MEASUREMENTS ARE OUTSIDE TO OUTSIDE OF COURT LINES.
4. ALL FENCE MEASUREMENTS ARE ϵ TO ϵ .
5. CONTRACTOR WILL SUBMIT A SCALED TENNIS MARKING PLAN SHOP DRAWING FOR OWNER APPROVAL.
6. INSTALL CONTROL JOINTS BETWEEN COURTS AND ALONG NET LINES.

6 36' x 78' STANDARD TENNIS COURT
N.T.S.

GALE
Gale Associates, Inc.
Engineers and Planners
163 LIBBEY PARKWAY | WEYMOUTH, MA
02189P 781.335.6465 F 781.335.6467
www.gainc.com
Boston Baltimore Orlando Hartford Bedford

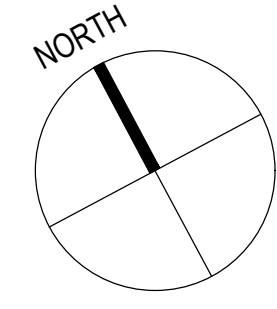
PERMIT SET

PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982
OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_C500s		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	N.T.S.		

SHEET TITLE
MAIN ATHLETIC CAMPUS DETAILS
SHEET 11 OF 11

DRAWING NO.
C518
33 OF 33



Gale Associates, Inc.
 Engineers and Planners
 163 LIBBEY PARKWAY | WEYMOUTH, MA
 02189P 781.335.6465 F 781.335.6467
 www.gainc.com
 Boston Baltimore Orlando Hartford Bedford

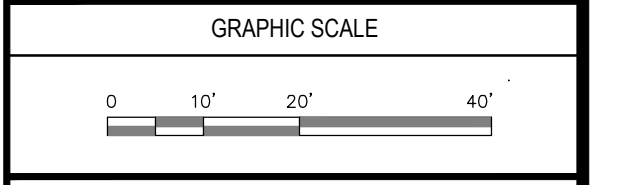
This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright © 2021

PERMIT SET

PROJECT
**ATHLETIC CAMPUS IMPROVEMENTS
 HAMILTON-WENHAM REGIONAL HIGH SCHOOL
 775 BAY ROAD
 SOUTH HAMILTON, MA 01982**

OWNER
 HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
 5 SCHOOL STREET
 WENHAM, MA 01984

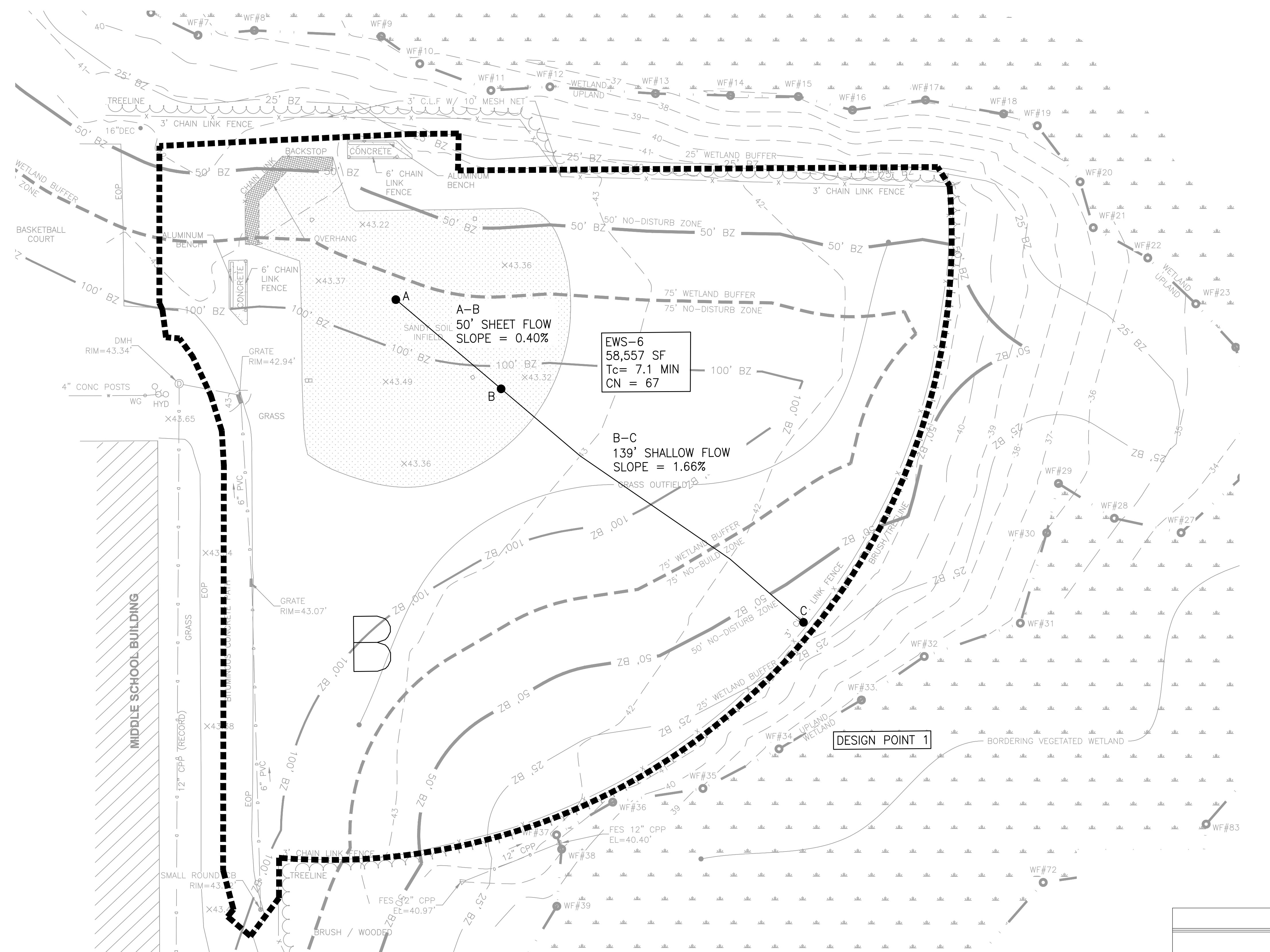
NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_wsPRE		
DESIGNED BY	RDT		
DRAWN BY	RDT		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	1" = 20'		



SHEET TITLE
**EXISTING
 WATERSHED PLAN
 SHEET 1 OF 3**

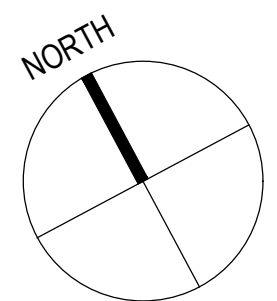
DRAWING NO.
PRE-1

1 OF 6

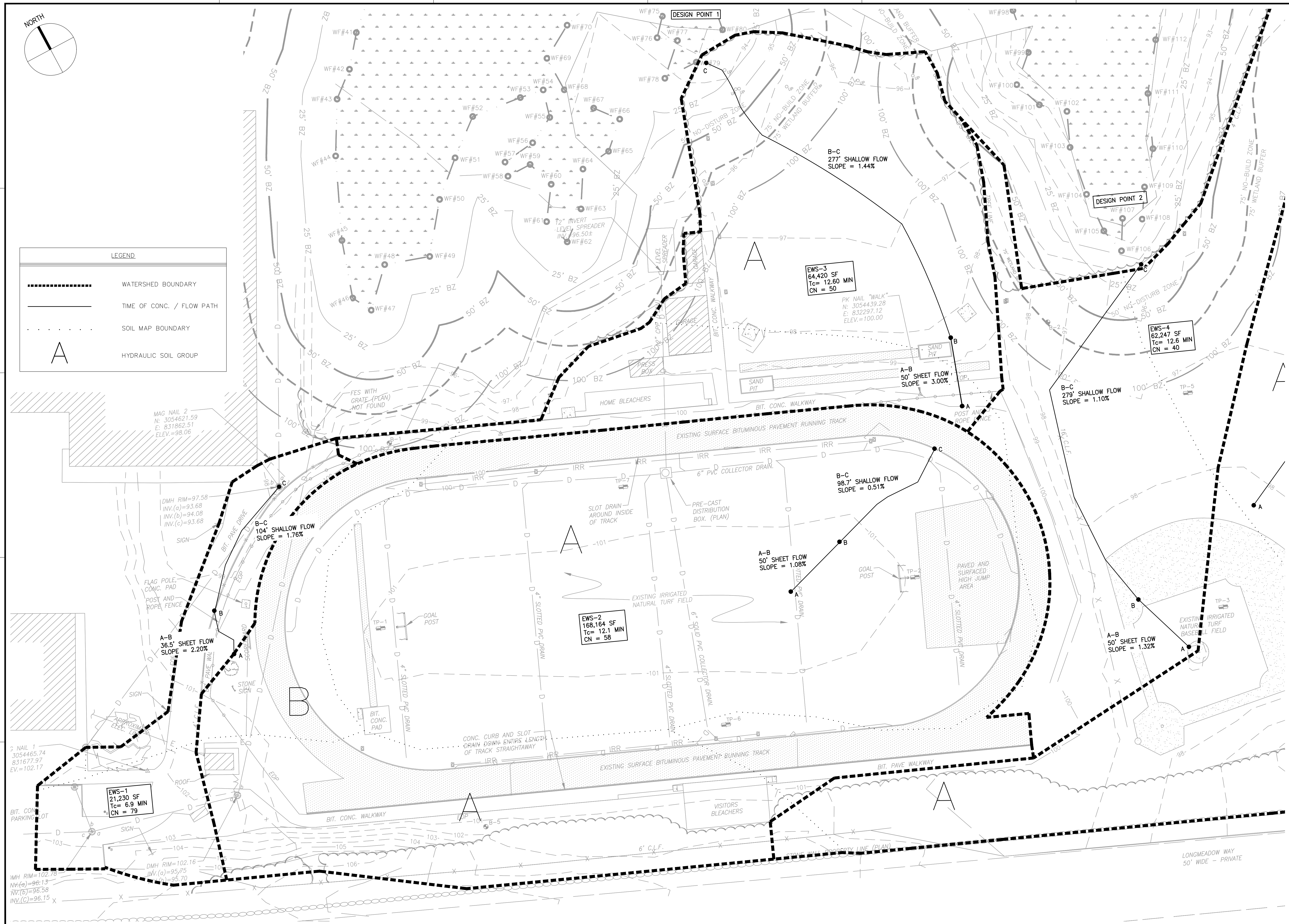


LEGEND

	WATERSHED BOUNDARY
	TIME OF CONC. / FLOW PATH
	SOIL MAP BOUNDARY
	HYDRAULIC SOIL GROUP



LEGEND	
	WATERSHED BOUNDARY
	TIME OF CONC. / FLOW PATH
	SOIL MAP BOUNDARY
	HYDRAULIC SOIL GROUP



GALE
 Gale Associates, Inc.
 Engineers and Planners
 163 LIBBEY PARKWAY | WEYMOUTH, MA
 02189P 781.335.6465 F 781.335.6467
 www.gainc.com
 Boston Baltimore Orlando Hartford Bedford

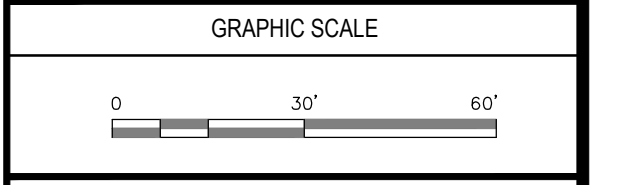
This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2021

PERMIT SET

PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982

OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_wsPRE		
DESIGNED BY	RDT		
DRAWN BY	RDT		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	1" = 30'		



SHEET TITLE
EXISTING WATERSHED PLAN
SHEET 2 OF 3

DRAWING NO.
PRE-2
 2 OF 6

F:\1718600\p01as07-Permit Drawings\02-Planning\718600_wsPRE.dwg, 11/15/2023 10:12:17 AM, DWG To PDF.pcs



Gale Associates, Inc.
Engineers and Planners

163 LIBBEY PARKWAY | WEYMOUTH, MA
02189P 781.335.6465 F 781.335.6467
www.gainc.com

Boston Baltimore Orlando Hartford Bedford

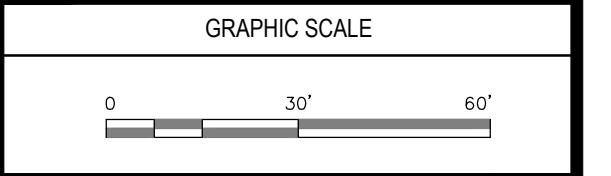
This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright © 2021

PERMIT SET

PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982

OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_wsPRE		
DESIGNED BY	RDT		
DRAWN BY	RDT		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	1" = 30'		



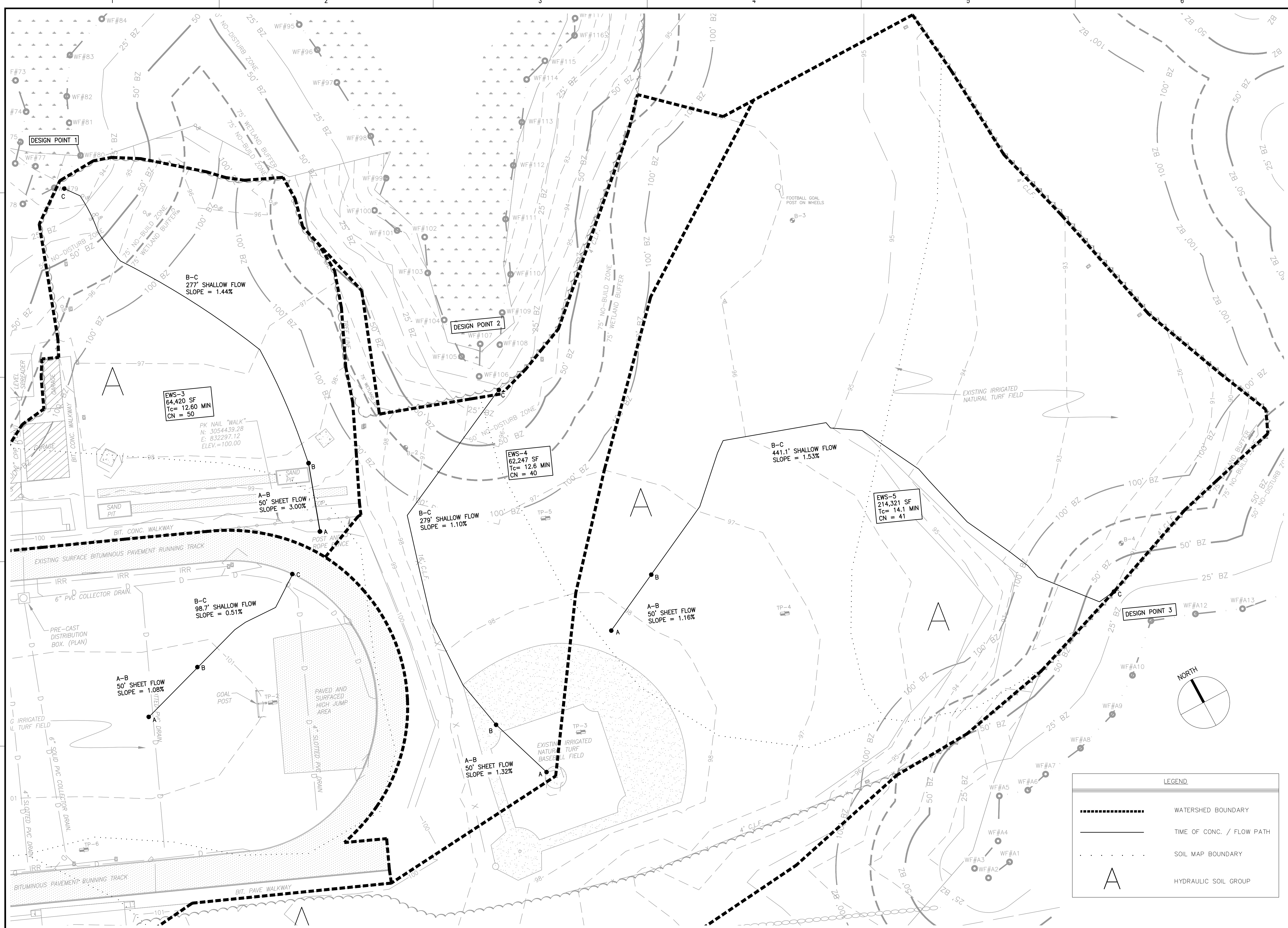
SHEET TITLE

EXISTING
WATERSHED PLAN
SHEET 3 OF 3

DRAWING NO.

PRE-3

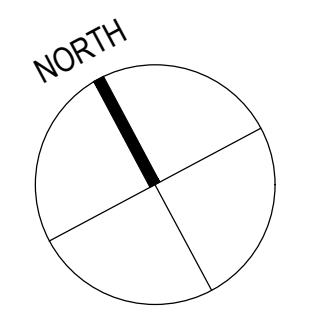
3 OF 6



LEGEND

	WATERSHED BOUNDARY
	TIME OF CONC. / FLOW PATH
	SOIL MAP BOUNDARY
	HYDRAULIC SOIL GROUP

F:\1718600\plans\07-Permit Drawings\02-Planning\718600_wsPRE.dwg, 11/15/2023 10:13:08 AM, DWG To PDF, p3



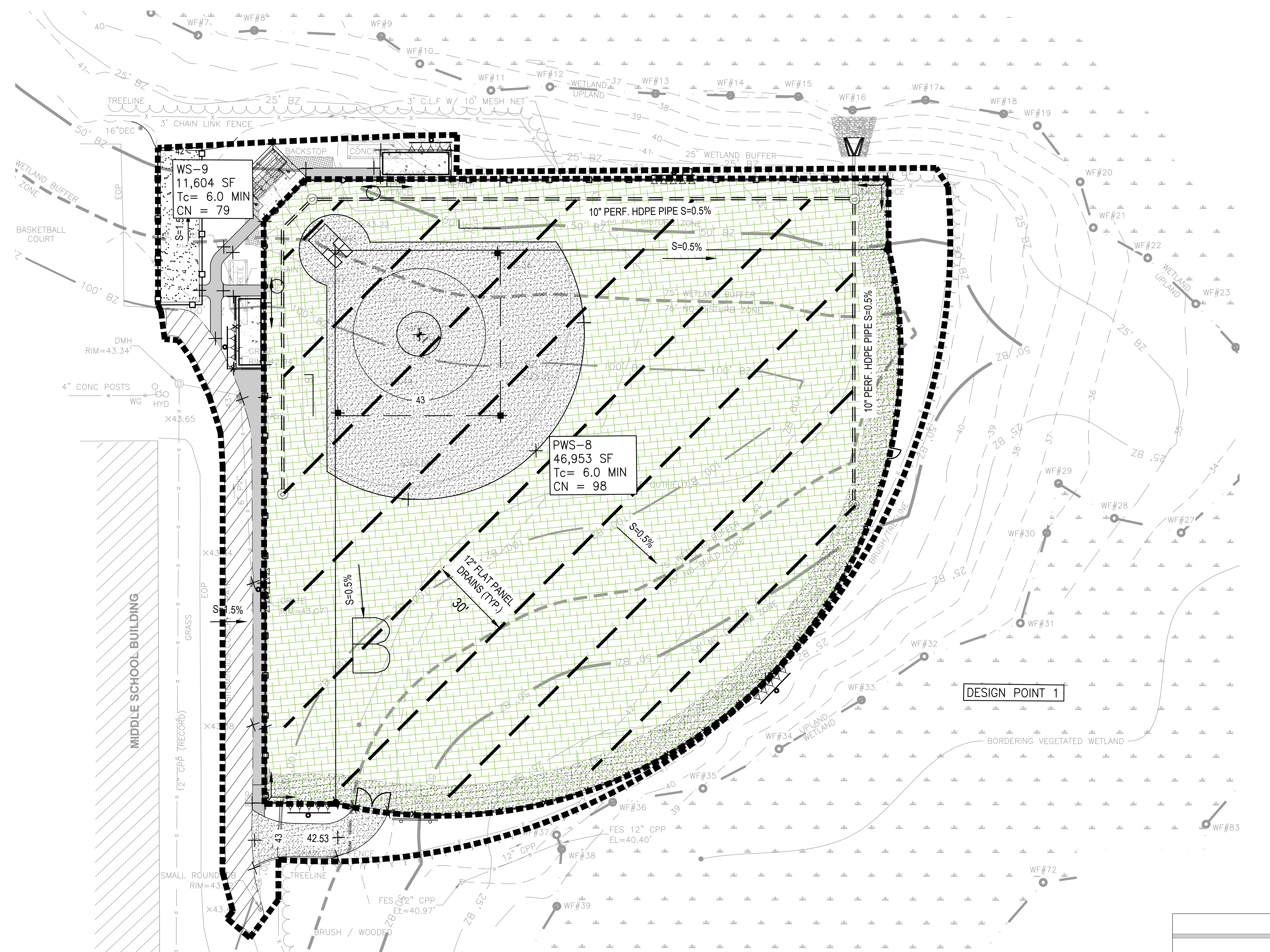
Gale Associates, Inc.
 Engineers and Planners
 163 LIBBEY PARKWAY | WEYMOUTH, MA
 02189P 781.335.6465 F 781.335.6467
 www.gainc.com
 Boston Baltimore Orlando Hartford Bedford

This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright © 2021

PERMIT SET

PROJECT
**ATHLETIC CAMPUS IMPROVEMENTS
 HAMILTON-WENHAM REGIONAL HIGH SCHOOL
 775 BAY ROAD
 SOUTH HAMILTON, MA 01982**

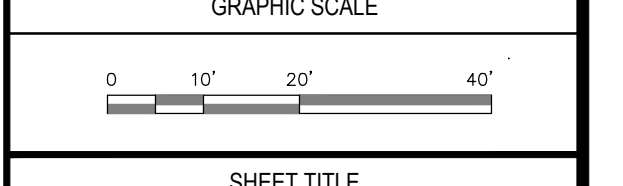
OWNER
 HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
 5 SCHOOL STREET
 WENHAM, MA 01984



LEGEND

	WATERSHED BOUNDARY
	TIME OF CONC. / FLOW PATH
	SOIL MAP BOUNDARY
	HYDRAULIC SOIL GROUP

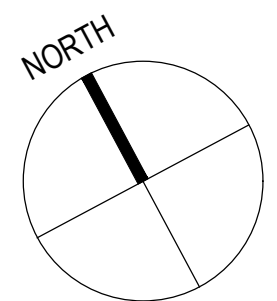
NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_wsPOST		
DESIGNED BY	RDT		
DRAWN BY	RDT		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	1" = 20'		



SHEET TITLE

**PROPOSED
 WATERSHED PLAN
 SHEET 1 OF 3**

DRAWING NO.	POST-1
4 OF 6	

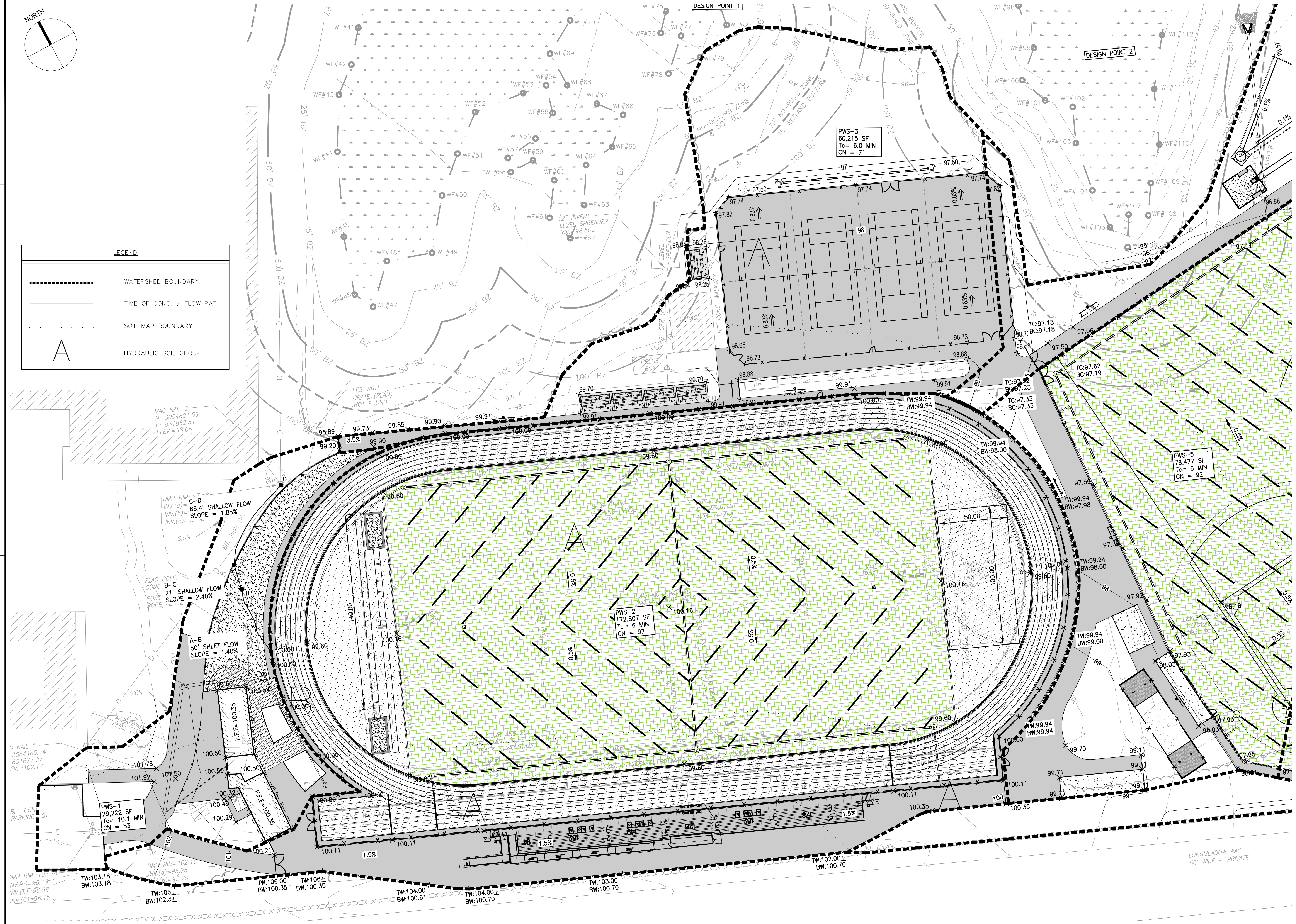


1 2 3 4 5 6

E
D
C
B
A

LEGEND

- WATERSHED BOUNDARY
- TIME OF CONC. / FLOW PATH
- SOIL MAP BOUNDARY
- A HYDRAULIC SOIL GROUP



GALE
 Gale Associates, Inc.
 Engineers and Planners
 163 LIBBEY PARKWAY | WEYMOUTH, MA
 02189P 781.335.6465 F 781.335.6467
 www.galeinc.com
 Boston Baltimore Orlando Hartford Bedford

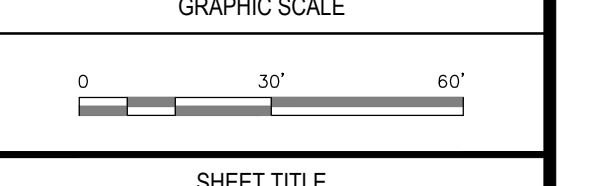
This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2021

PERMIT SET

PROJECT
 ATHLETIC CAMPUS IMPROVEMENTS
 HAMILTON-WENHAM REGIONAL HIGH SCHOOL
 775 BAY ROAD
 SOUTH HAMILTON, MA 01982

OWNER
 HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
 5 SCHOOL STREET
 WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_wsPOST		
DESIGNED BY	RDT		
DRAWN BY	RDT		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	1" = 30'		

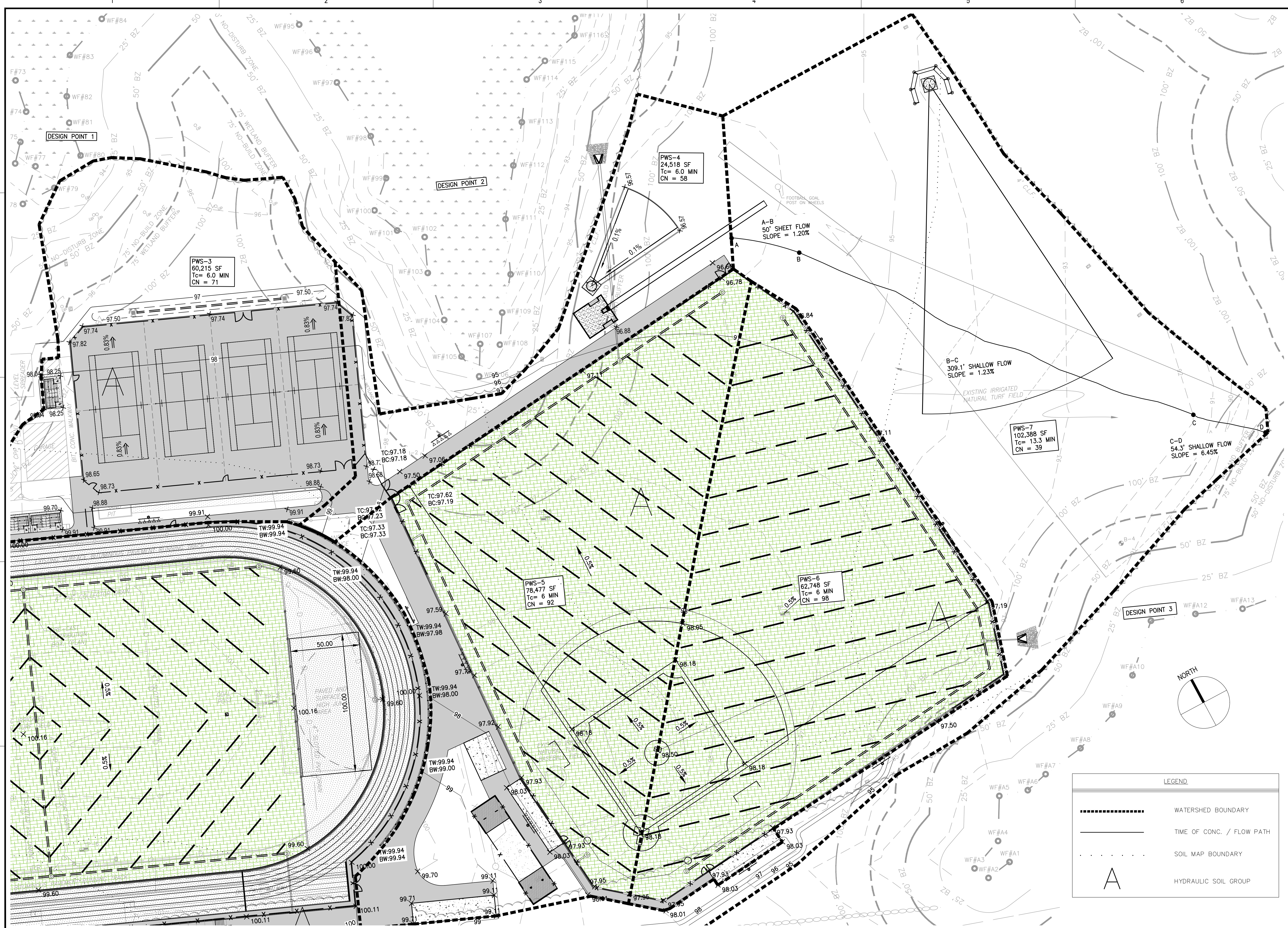


PROPOSED WATERSHED PLAN SHEET 2 OF 3

DRAWING NO.
POST-2
5 OF 6

F:\718600\posts07-Permit Drawings\02-Planning\718600_wsPOST.dwg, 11/16/2023 10:16:10 AM, DWG To PDF.pcs

F:\718600\plans\07-Permit Drawings\02-Planning\718600_wsPOST.dwg, 11/15/2023 10:14:31 AM, DWG To PDF.pc3



GALE
 Gale Associates, Inc.
 Engineers and Planners
 163 LIBBEY PARKWAY | WEYMOUTH, MA
 02189P 781.335.6465 F 781.335.6467
 www.gainc.com
 Boston Baltimore Orlando Hartford Bedford

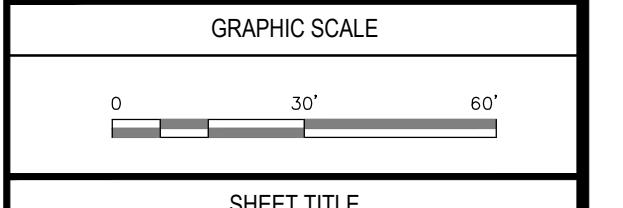
This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2021

PERMIT SET

PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
 775 BAY ROAD
 SOUTH HAMILTON, MA 01982

OWNER
 HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
 5 SCHOOL STREET
 WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_wsPOST		
DESIGNED BY	RDT		
DRAWN BY	RDT		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	1" = 30'		



SHEET TITLE
PROPOSED WATERSHED PLAN
SHEET 3 OF 3

DRAWING NO.
POST-3
 6 OF 6

LEGEND

- WATERSHED BOUNDARY
- TIME OF CONC. / FLOW PATH
- SOIL MAP BOUNDARY
- A HYDRAULIC SOIL GROUP



ENGINEERED DESIGN By: • File #108724C • 15-Nov-23

Hamilton Wenham HS Softball

South Hamilton, MA

Grid Summary	
Name	Spill at 150'
Size	360' x 160'
Spacing	30.0' x 10.0'
Height	3.0' above grade

Illumination Summary	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average	
Maximum	0
Minimum	0
Avg/Min	
Max/Min	
UG (adjacent pts)	0.00
CU	0.00
No. of Points	134
LUMINAIRE INFORMATION	
Applied Circuits	A,B,C,D
No. of Luminaires	129
Total Load	114.78 kW



Gale Associates, Inc.
Engineers and Planners
163 LIBBEY PARKWAY | WEYMOUTH, MA
02189P 781.335.6465 F 781.335.6467
www.gainc.com
Boston Baltimore Orlando Hartford Bedford

This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright © 2021

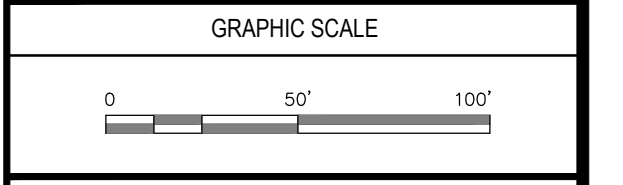
PERMIT SET

PROJECT
**ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982**

OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY

PROJECT NO.	718600
CADD FILE	718600_IS1
DESIGNED BY	MSK
DRAWN BY	MSK
CHECKED BY	KDH
DATE	11/16/2023
DRAWING SCALE	1" = 50'



SHEET TITLE
**OVERALL
ILLUMINATION
SUMMARY**

DRAWING NO. IS1
1 OF 1

ILLUMINATION SUMMARY