

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

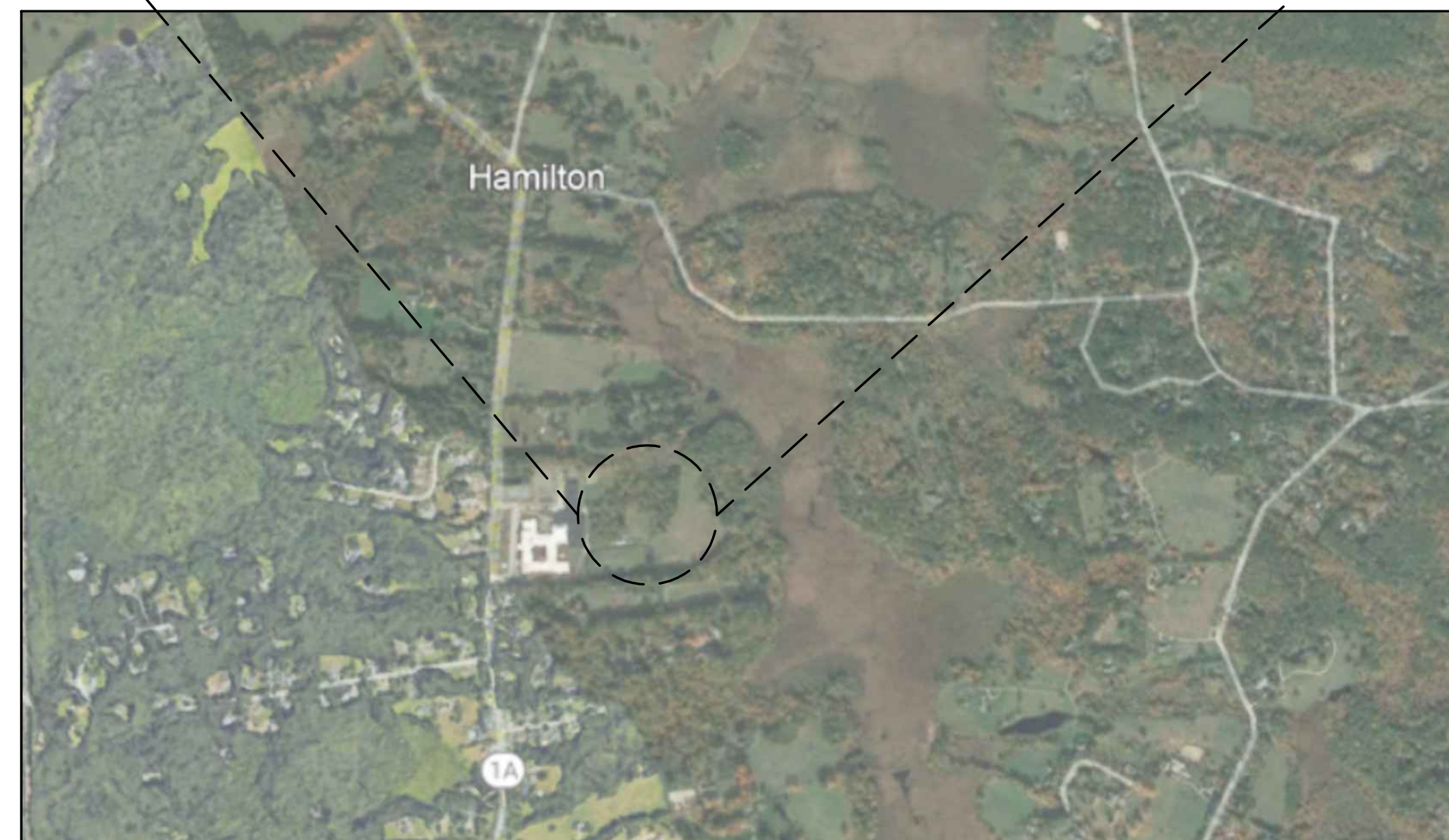
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POST-1	4 OF 6	POST DEVELOPMENTAL WATERSHED PLAN 1 OF 3
POST-2	5 OF 6	POST DEVELOPMENTAL WATERSHED PLAN 2 OF 3
POST-3	6 OF 6	POST DEVELOPMENTAL WATERSHED PLAN 3 OF 3



SITE MAP
NOT TO SCALE



LOCATION MAP
NOT TO SCALE

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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

2/13/2024	PEER REVIEW COMM.	KFR

NO.	DATE	DESCRIPTION	BY
PROJECT NO.		718601	
CADD FILE		718601_G001	
DESIGNED BY		KFR	
DRAWN BY		KFR	
CHECKED BY		KDH / PS	
DATE		11/16/2023	
DRAWING SCALE		-	

GRAPHIC SCALE

SHEET TITLE

COVER SHEET

DRAWING NO.

G001

1 OF 40

DEMOLITION NOTES

- 1. DEMOLITION TO COMPLY WITH GOVERNING EPA NOTIFICATION REGULATIONS BEFORE STARTING SELECTIVE DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
2. 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.
3. 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.
4. MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS.
5. CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, PARKING LOTS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
6. 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.
7. USE WATER MIST AND OTHER SUITABLE METHODS TO LIMIT THE SPREAD OF DUST AND DIRT. COMPLY WITH GOVERNING ENVIRONMENTAL PROTECTION REGULATIONS.
8. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
9. 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.
10. 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.
11. PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE.
12. DO NOT BURN DEMOLISHED MATERIALS.
13. TRANSPORT DEMOLISHED MATERIALS OFF OWNER'S PROPERTY AND LEGALLY DISPOSE OF THEM, IF NOT DESIGNATED TO BE SALVAGED BY THE OWNER OR REUSED.
14. 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

- 1. 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.
2. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STATE REGULATIONS AND ALL TOWN REGULATIONS AND PERMIT CONDITIONS.
3. 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.
4. 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.
5. 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.
6. ALL SEDIMENTS MUST BE REMOVED PRIOR TO REACHING THE EXISTING DRAINAGE SYSTEMS AND/OR ANY ENVIRONMENTAL RESOURCE AREAS.
7. 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.
8. 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.
9. EROSION CONTROL DEVICES MAY BE ADDED OR REDUCED IN THE FIELD AS DIRECTED BY THE OWNER/ENGINEER.
10. 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.
11. THE CONTRACTOR SHALL ATTEND A MEETING WITH THE TOWN'S CONSERVATION AGENT AND TOWN PLANNER PRIOR TO THE START OF CONSTRUCTION.

GRADING NOTES

- 1. 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.
2. ALL PROPOSED CONTOURS ARE APPROXIMATE. PROPOSED SPOT ELEVATIONS AND DESIGNED GRADIENT ARE TO BE USED IN THE EVENT OF ANY DISCREPANCIES.
3. GRADING SHALL BE PERFORMED TO ALLOW WATER TO FLOW AWAY FROM BUILDING STRUCTURES, AND TO NOT ALLOW PUDDLING OF WATER ANYWHERE ON SITE.
4. MINOR ADJUSTMENTS TO FINISH GRADE TO ACCOMPLISH DRAINAGE FLOW ARE ACCEPTABLE, IF NECESSARY, UPON PRIOR APPROVAL OF ENGINEER.
5. NEW PAVEMENT SHALL BE FLUSH AT ANY JUNCTURE WITH EXISTING PAVEMENT.
6. 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.
7. 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.
8. A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MA SHALL OBSERVE THE SUBGRADE OF EACH PROPOSED SYNTHETIC TURF FIELD FOR SOIL DRAINAGE PROPERTIES AND COMPACTION PRIOR TO PLACEMENT OF THE GRAVEL SUBBASE.

GENERAL NOTES

- 1. 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.
2. 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.
3. 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.
4. 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.
5. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS AND/OR CONNECTION FEES REQUIRED.
6. 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.
7. 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

- 1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. CONTRACTOR SHALL VERIFY ALL EXISTING INVERTS AND RIM ELEVATIONS PRIOR TO CONSTRUCTION.
7. THE CONTRACTOR SHALL ADJUST ALL UTILITY CASTINGS TO BE FLUSH WITH PROPOSED GRADE UNLESS OTHERWISE INDICATED ON PLAN.
8. 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.
9. CONTRACTOR SHALL PURGE LIFTING HOLES ON ALL CONCRETE STRUCTURES.
10. CONTRACTOR SHALL PROVIDE AND INSTALL A FENCE OR SIMILAR BARRIER AROUND THE AREA WHERE THE INFILTRATION TRENCH NORTH OF THE PROPOSED TENNIS COURT WILL BE INSTALLED TO PREVENT UNWARRANTED ACCESS AND COMPACTION OF THE SUBGRADE.
11. CONSTRUCTION OF THE INFILTRATION TRENCH NORTH OF THE PROPOSED TENNIS COURTS SHALL BE PERFORMED FOLLOWING STABILIZATION OF THE REST OF THE SITE.
12. ALL HDPE PIPE TO BE INSTALLED SHALL BE SMOOTH INTERIOR WALLED.

LANDSCAPING NOTES

- 1. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASE.
2. ALL PLANTS MUST BE CONTAINER GROWN OR BALLED AND BURLAPPED.
3. ALL TREES MUST BE STRAIGHT-TRUNKED AND FULL-HEADED AND MEET ALL REQUIREMENTS SPECIFIED.
4. ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE BEFORE, DURING, AND AFTER INSTALLATION.
5. ALL TREES MUST BE GUYED OR STAKED AS SHOWN IN THE DETAILS.
6. ALL PLANTING AREAS MUST BE COMPLETELY MULCHED AS SPECIFIED.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
13. 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.

LOCUS PROPERTY ZONING TABLE - R1-B, SINGLE RESIDENTIAL DISTRICT

Table with 3 columns: REQUIRED, PROVIDED, and a third column for specific zoning requirements like LOT AREA PER DWELLING UNIT, MINIMUM LOT FRONTAGE, etc.

GENERAL CONSTRUCTION NOTES

- 1. WORK HOURS INCLUDING DELIVERIES AND ON-SITE ENGINE WARM-UP AND IDLING SHALL COMPLY WITH THE SCHOOL DISTRICT'S REQUIREMENTS AND FURTHER SHALL BE LIMITED TO 7:00 AM TO 5:00 PM ON WEEKDAYS WITH NO WORK ON SUNDAY OR LEGAL HOLIDAYS.
2. MARK THE LIMIT OF WORK WITH HIGH VISIBILITY TEMPORARY FENCING.
3. PROVIDE CONVENIENT SANITARY FACILITIES AND TRASH COLLECTION CONTAINERS. REMOVE ANY LITTER OR WASTE TWO TIMES PER WEEK OR MORE FREQUENTLY IF REQUIRED.
4. DUE TO PROXIMITY OF WETLANDS, DUST CONTROL SHOULD BE LIMITED TO THE APPLICATION OF MIST USING POTABLE WATER.
5. DESIGNATE AN ON-SITE REFUELING AREA WITH A PAVED SURFACE AND BERM TO CONTAIN A FUEL SPILL.
6. SWEEP BAY ROAD IN PROXIMITY TO THE SITE DURING EARTH OR MATERIALS TRANSPORT WHENEVER SEDIMENT DEPOSITS ARE VISIBLE.
7. ALL TRUCKS CARRYING EARTH MATERIALS OR DEMOLITION DEBRIS SHALL BE COVERED PRIOR TO ENTERING OR LEAVING THE SITE.

ABBREVIATIONS

Table listing abbreviations and their full names, such as APPROX APPROXIMATE, BC BOTTOM OF CURB, BCC BITUMINOUS CONCRETE, etc.



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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

Table with columns: NO., DATE, DESCRIPTION, BY. Row 1: 2/13/2024, PEER REVIEW COMM., KFR

Table with columns: PROJECT NO., CADD FILE, DESIGNED BY, DRAWN BY, CHECKED BY, DATE, DRAWING SCALE. Values: 718601, 718601_G001, KFR, KFR, KDH / PS, 11/16/2023, -

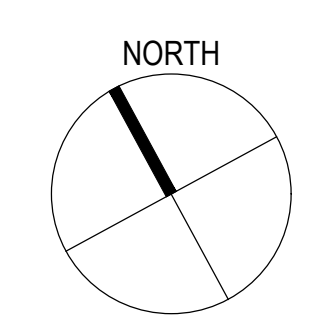
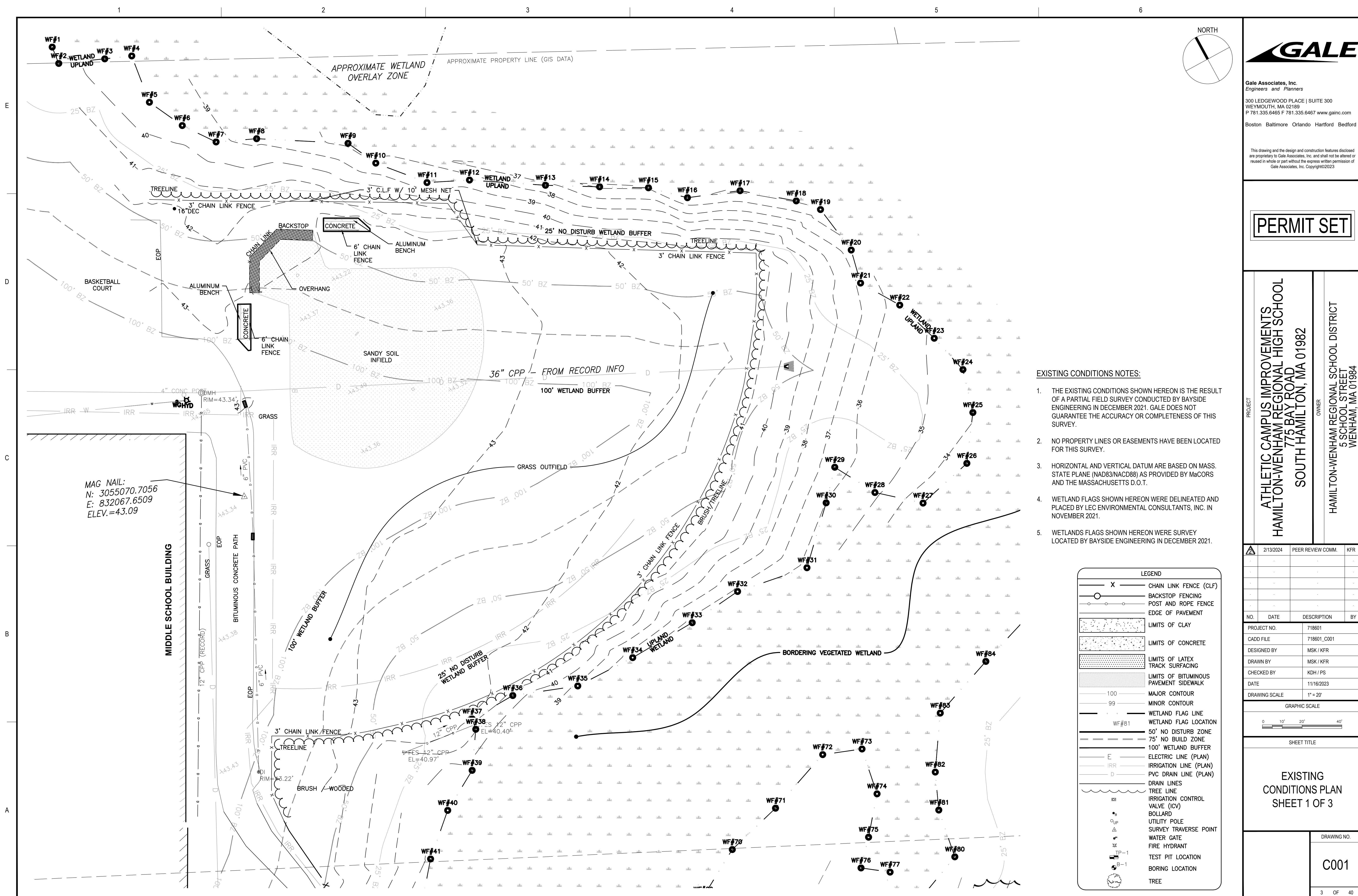
GRAPHIC SCALE

SHEET TITLE

NOTES AND LEGEND

DRAWING NO.

G002



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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

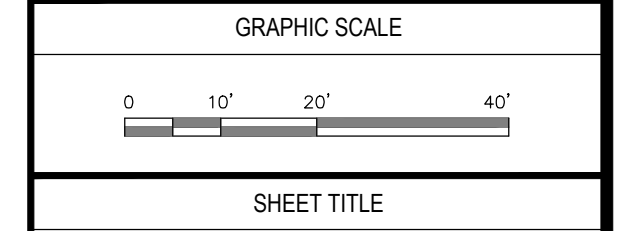
- EXISTING CONDITIONS NOTES:**
1. THE EXISTING CONDITIONS SHOWN HEREON IS THE RESULT OF A PARTIAL FIELD SURVEY CONDUCTED BY BAYSIDE ENGINEERING IN DECEMBER 2021. GALE DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THIS SURVEY.
 2. NO PROPERTY LINES OR EASEMENTS HAVE BEEN LOCATED FOR THIS SURVEY.
 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.

MAG NAIL:
 N: 3055070.7056
 E: 832067.6509
 ELEV.=43.09

LEGEND

X	CHAIN LINK FENCE (CLF)
○	BACKSTOP FENCING
○	POST AND ROPE FENCE
—	EDGE OF PAVEMENT
[Pattern]	LIMITS OF CLAY
[Pattern]	LIMITS OF CONCRETE
[Pattern]	LIMITS OF LATEX TRACK SURFACING
[Pattern]	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
—	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

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718601		
CADD FILE	718601_C001		
DESIGNED BY	MSK / KFR		
DRAWN BY	MSK / KFR		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	1" = 20'		



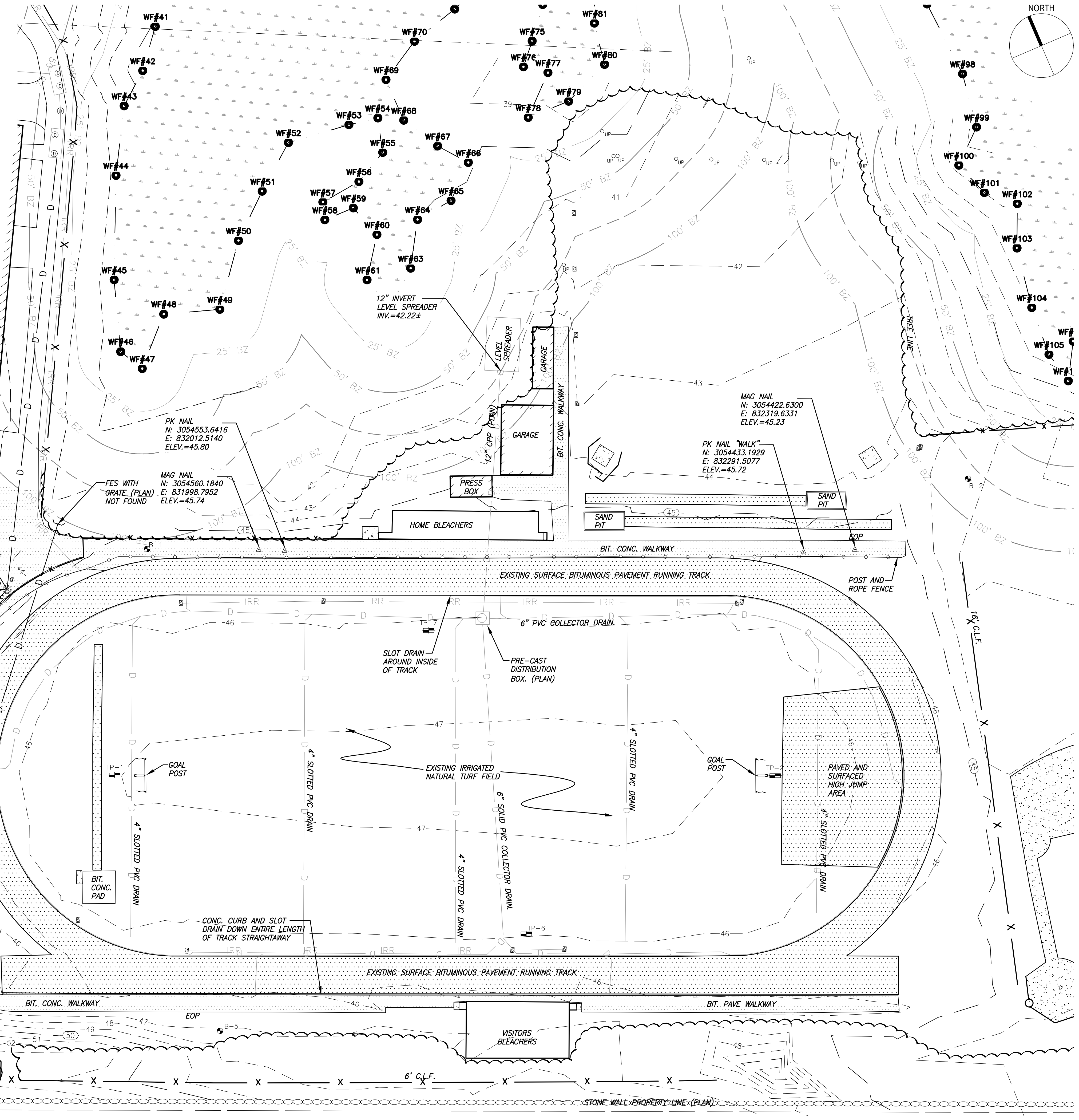
SHEET TITLE

EXISTING CONDITIONS PLAN
 SHEET 1 OF 3

DRAWING NO.
C001
 3 OF 40

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 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

- 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.



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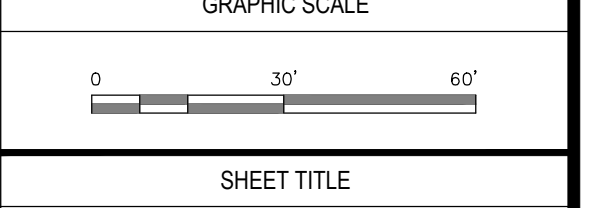
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PROJECT
 ATHLETIC CAMPUS IMPROVEMENTS
 HAMILTON-WENHAM REGIONAL HIGH SCHOOL
 775 BAY ROAD
 SOUTH HAMILTON, MA 01982

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

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718601		
CADD FILE	718601_C001		
DESIGNED BY	MSK / KFR		
DRAWN BY	MSK / KFR		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	1" = 30'		

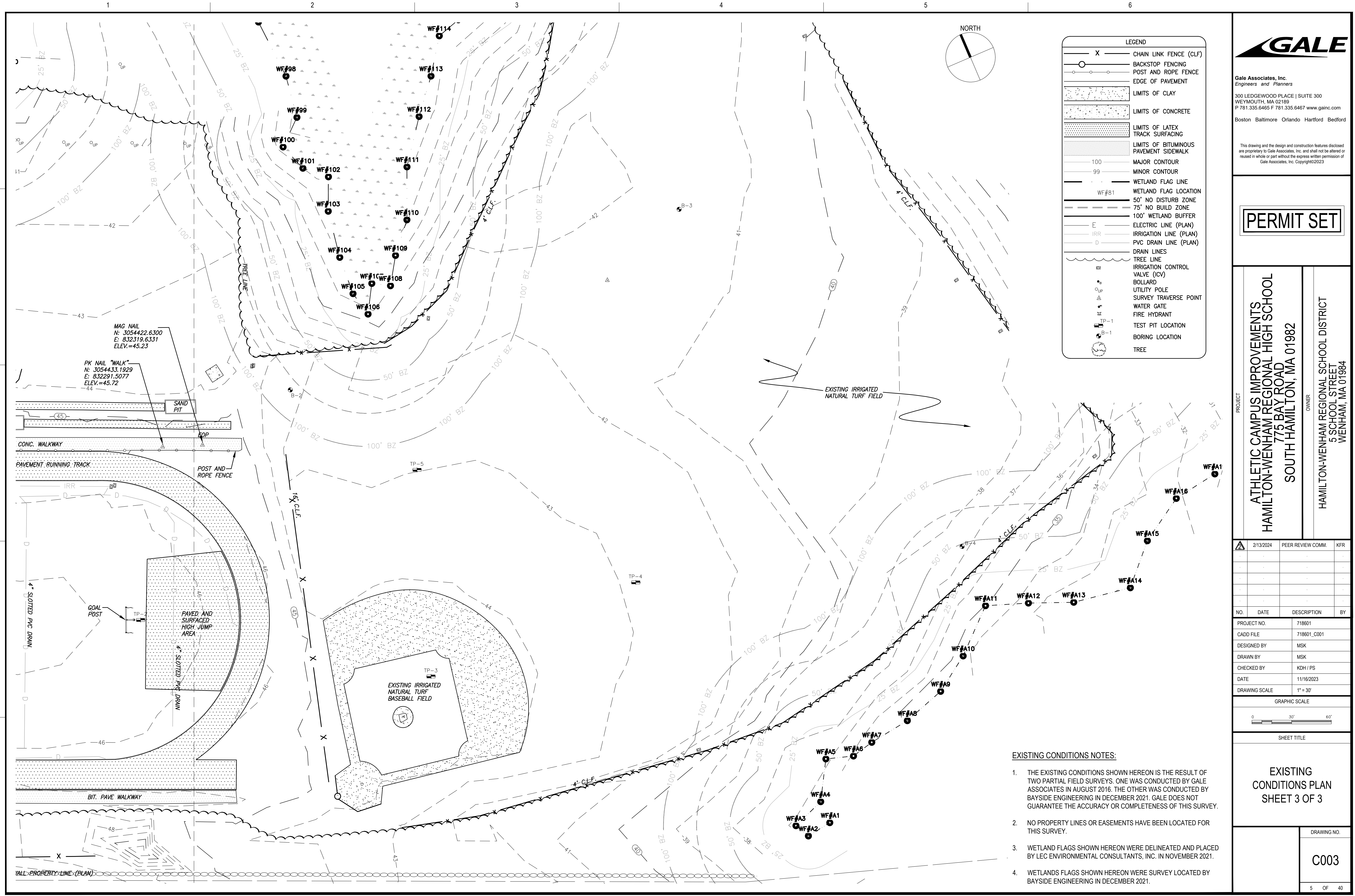


SHEET TITLE

**EXISTING CONDITIONS PLAN
 SHEET 2 OF 3**

DRAWING NO.
C002

4 OF 40



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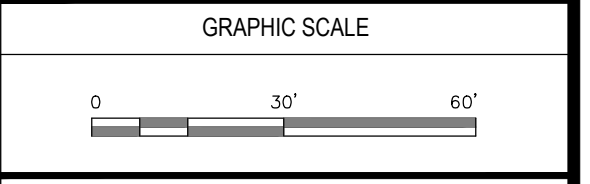
PERMIT SET

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

2/13/2024	PEER REVIEW COMM.	KFR
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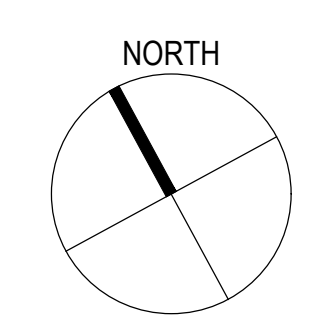
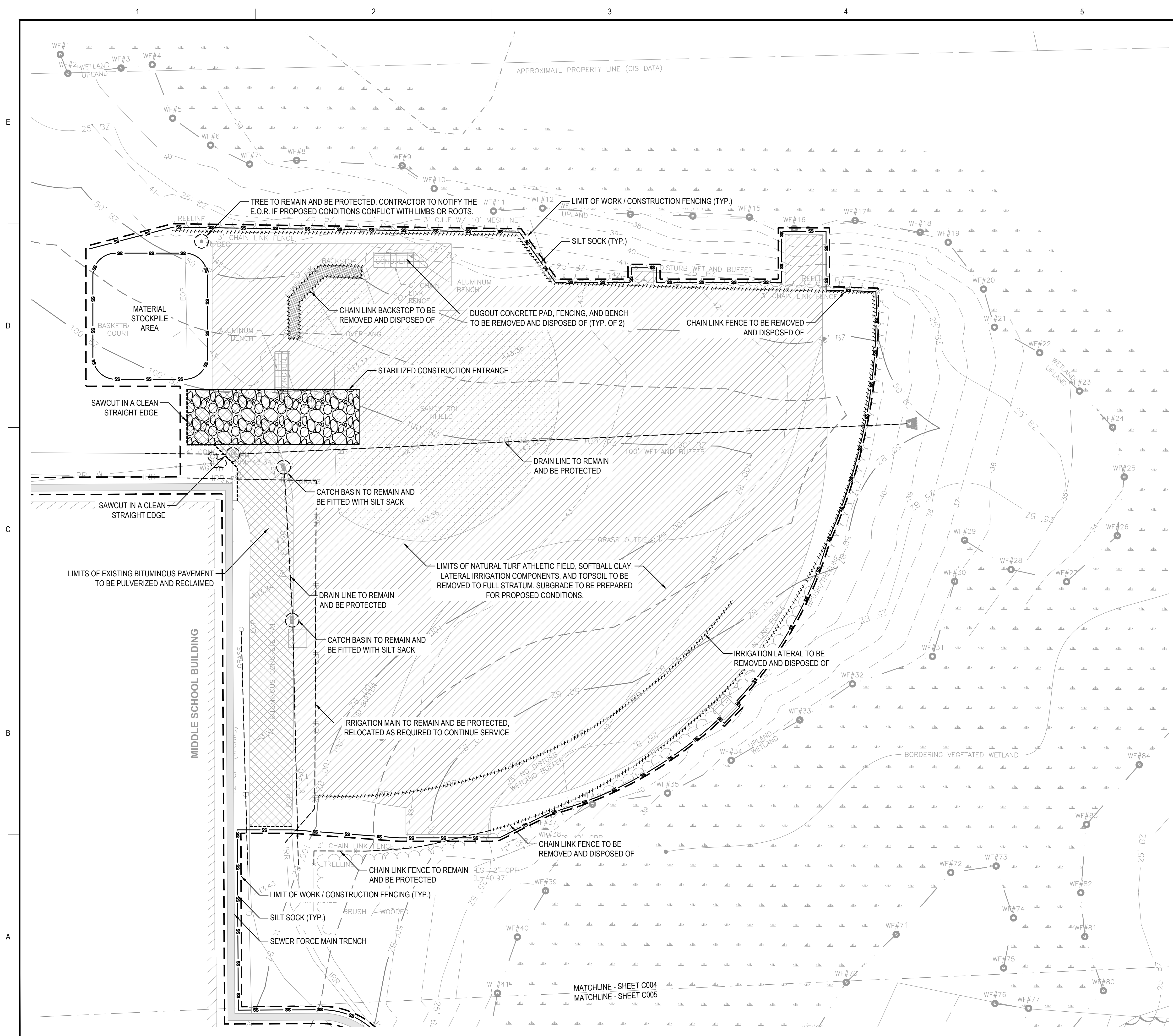
NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718601		
CADD FILE	718601_C001		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	1" = 30'		



SHEET TITLE
 EXISTING
 CONDITIONS PLAN
 SHEET 3 OF 3

DRAWING NO.	C003
5 OF 40	

- 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.



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 SOUTH HAMILTON, MA 01982

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

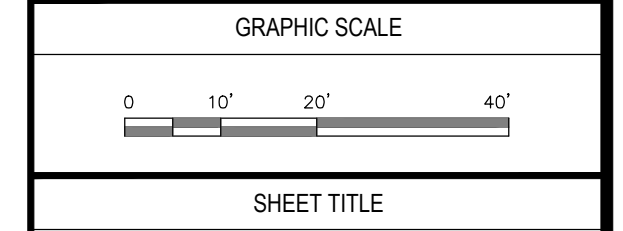
DEMOLITION & EROSION CONTROL NOTES:

- LOAM AND SEED ALL DISTURBED AREAS.
- CONTRACTOR TO FIELD LOCATE ELECTRICAL UTILITY LINES WITHIN THE LIMITS OF CONSTRUCTION AND SHALL RELOCATE LINES AS REQUIRED TO ENSURE CONTINUITY OF ELECTRICAL SERVICE.
- CLEAN ALL PAVED AREAS WITHIN THE LIMIT OF WORK OF ACCUMULATED DIRT AND DEBRIS.
- CONTRACTOR RESPONSIBLE FOR CLEANING ALL SILT AND DEBRIS FORM ROADWAYS CAUSED BY CONSTRUCTION ACTIVITIES.
- CONTRACTOR TO INSTALL CONSTRUCTION FENCING ALONG LIMIT OF WORK AS REQUIRED.
- ANY CATCH BASINS WITHIN 100' OF A CONSTRUCTION ENTRANCE SHALL BE FITTED WITH A SILT SACK
- ALL DISTURBED AREAS THAT ARE LEFT INACTIVE FOR 14 DAYS OR MORE SHALL BE SEEDED WITH NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DRY SITES BY NEW ENGLAND WETLAND PLANTS, INC. OR APPROVED EQUAL.

DEMOLITION AND EROSION CONTROL LEGEND

- BITUMINOUS PAVEMENT TO BE PULVERIZED AND RECLAIMED FOR REUSE. PREPARE SUBGRADE FOR PROPOSED CONDITIONS.
- REMOVE AND DISPOSE OF ALL GRASS, TOPSOIL, GRAVEL, AND IRRIGATION COMPONENTS. PREPARE SUBGRADE FOR PROPOSED CONDITIONS.
- REMOVE AND DISPOSE OF PAVEMENT AND PREPARE SUBGRADE FOR PROPOSED CONDITIONS.
- STABILIZED CONSTRUCTION ENTRANCE
- STRUCTURE OR UTILITY LINE TO REMAIN AND BE PROTECTED
- STRUCTURE TO BE REMOVED AND STOCKPILED FOR FUTURE USE
- FENCE, CURB, OR UTILITY LINE TO BE REMOVED AND DISPOSED OF
- SILT SOCK SEDIMENT CONTROL
- LIMIT OF WORK
- STRUCTURE TO BE REMOVED AND DISPOSED OF

NO.	DATE	DESCRIPTION	BY
2/13/2024	PEER REVIEW COMM.	KFR	
PROJECT NO.	718601		
CADD FILE	718601_C004		
DESIGNED BY	KFR		
DRAWN BY	KFR		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	1" = 20'		



SHEET TITLE
 DEMOLITION AND EROSION CONTROL PLAN
 SHEET 1 OF 3

DRAWING NO.
 C004
 6 OF 40

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D
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B
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1 2 3 4 5 6

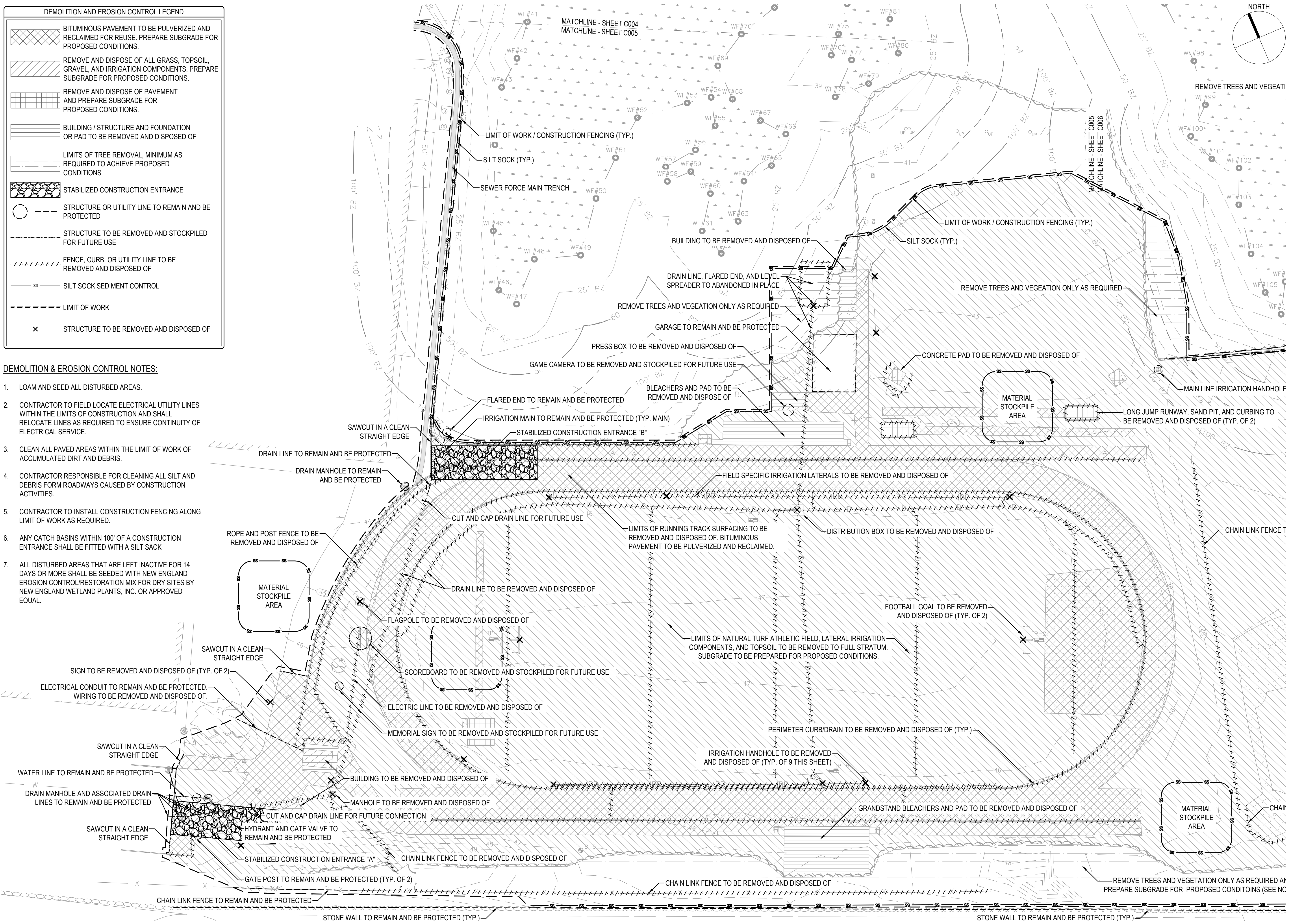
MATCHLINE - SHEET C004
 MATCHLINE - SHEET C005

DEMOLITION AND EROSION CONTROL LEGEND

- BITUMINOUS PAVEMENT TO BE PULVERIZED AND RECLAIMED FOR REUSE. PREPARE SUBGRADE FOR PROPOSED CONDITIONS.
- REMOVE AND DISPOSE OF ALL GRASS, TOPSOIL, GRAVEL, AND IRRIGATION COMPONENTS. PREPARE SUBGRADE FOR PROPOSED CONDITIONS.
- REMOVE AND DISPOSE OF PAVEMENT AND PREPARE SUBGRADE FOR PROPOSED CONDITIONS.
- BUILDING / STRUCTURE AND FOUNDATION OR PAD TO BE REMOVED AND DISPOSED OF
- LIMITS OF TREE REMOVAL, MINIMUM AS REQUIRED TO ACHIEVE PROPOSED CONDITIONS
- STABILIZED CONSTRUCTION ENTRANCE
- STRUCTURE OR UTILITY LINE TO REMAIN AND BE PROTECTED
- STRUCTURE TO BE REMOVED AND STOCKPILED FOR FUTURE USE
- FENCE, CURB, OR UTILITY LINE TO BE REMOVED AND DISPOSED OF
- SILT SOCK SEDIMENT CONTROL
- LIMIT OF WORK
- STRUCTURE TO BE REMOVED AND DISPOSED OF

DEMOLITION & EROSION CONTROL NOTES:

1. LOAM AND SEED ALL DISTURBED AREAS.
2. CONTRACTOR TO FIELD LOCATE ELECTRICAL UTILITY LINES WITHIN THE LIMITS OF CONSTRUCTION AND SHALL RELOCATE LINES AS REQUIRED TO ENSURE CONTINUITY OF ELECTRICAL SERVICE.
3. CLEAN ALL PAVED AREAS WITHIN THE LIMIT OF WORK OF ACCUMULATED DIRT AND DEBRIS.
4. CONTRACTOR RESPONSIBLE FOR CLEANING ALL SILT AND DEBRIS FROM ROADWAYS CAUSED BY CONSTRUCTION ACTIVITIES.
5. CONTRACTOR TO INSTALL CONSTRUCTION FENCING ALONG LIMIT OF WORK AS REQUIRED.
6. ANY CATCH BASINS WITHIN 100' OF A CONSTRUCTION ENTRANCE SHALL BE FITTED WITH A SILT SACK
7. ALL DISTURBED AREAS THAT ARE LEFT INACTIVE FOR 14 DAYS OR MORE SHALL BE SEED WITH NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DRY SITES BY NEW ENGLAND WETLAND PLANTS, INC. OR APPROVED EQUAL.



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Engineers and Planners
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PROJECT
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HAMILTON-WENHAM REGIONAL HIGH SCHOOL

OWNER
SOUTH HAMILTON, MA 01982

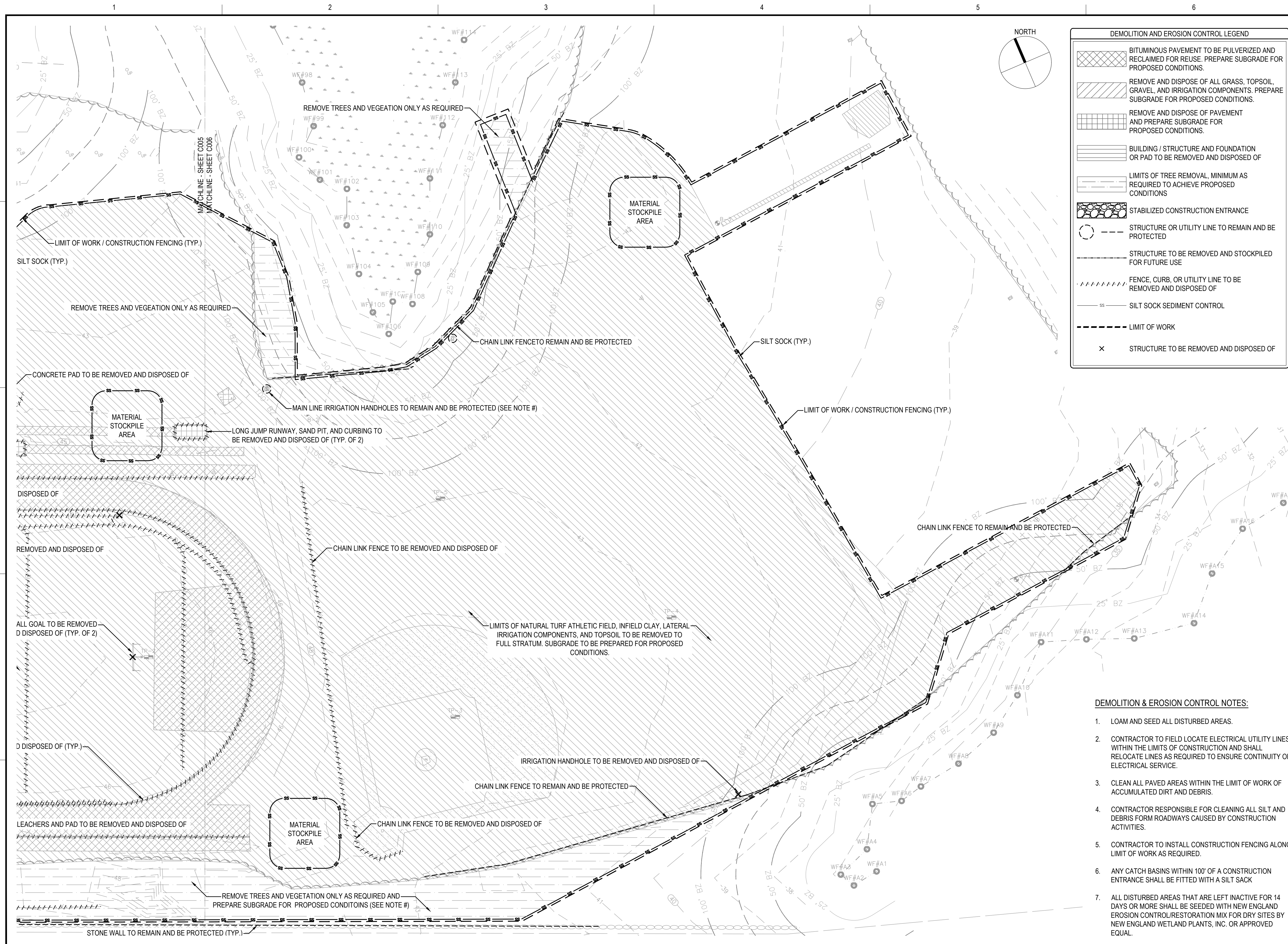
OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718601		
CADD FILE	718601_C004		
DESIGNED BY	KFR		
DRAWN BY	KFR		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	1" = 30'		

GRAPHIC SCALE			
0	30'	60'	
SHEET TITLE			

DEMOLITION AND EROSION CONTROL PLAN
SHEET 2 OF 3

DRAWING NO.
C005
7 OF 40



DEMOLITION AND EROSION CONTROL LEGEND

	BITUMINOUS PAVEMENT TO BE PULVERIZED AND RECLAIMED FOR REUSE. PREPARE SUBGRADE FOR PROPOSED CONDITIONS.
	REMOVE AND DISPOSE OF ALL GRASS, TOPSOIL, GRAVEL, AND IRRIGATION COMPONENTS. PREPARE SUBGRADE FOR PROPOSED CONDITIONS.
	REMOVE AND DISPOSE OF PAVEMENT AND PREPARE SUBGRADE FOR PROPOSED CONDITIONS.
	BUILDING / STRUCTURE AND FOUNDATION OR PAD TO BE REMOVED AND DISPOSED OF
	LIMITS OF TREE REMOVAL, MINIMUM AS REQUIRED TO ACHIEVE PROPOSED CONDITIONS
	STABILIZED CONSTRUCTION ENTRANCE
	STRUCTURE OR UTILITY LINE TO REMAIN AND BE PROTECTED
	STRUCTURE TO BE REMOVED AND STOCKPILED FOR FUTURE USE
	FENCE, CURB, OR UTILITY LINE TO BE REMOVED AND DISPOSED OF
	SILT SOCK SEDIMENT CONTROL
	LIMIT OF WORK
	STRUCTURE TO BE REMOVED AND DISPOSED OF

DEMOLITION & EROSION CONTROL NOTES:

1. LOAM AND SEED ALL DISTURBED AREAS.
2. CONTRACTOR TO FIELD LOCATE ELECTRICAL UTILITY LINES WITHIN THE LIMITS OF CONSTRUCTION AND SHALL RELOCATE LINES AS REQUIRED TO ENSURE CONTINUITY OF ELECTRICAL SERVICE.
3. CLEAN ALL PAVED AREAS WITHIN THE LIMIT OF WORK OF ACCUMULATED DIRT AND DEBRIS.
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5. CONTRACTOR TO INSTALL CONSTRUCTION FENCING ALONG LIMIT OF WORK AS REQUIRED.
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7. ALL DISTURBED AREAS THAT ARE LEFT INACTIVE FOR 14 DAYS OR MORE SHALL BE SEED WITH NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DRY SITES BY NEW ENGLAND WETLAND PLANTS, INC. OR APPROVED EQUAL.

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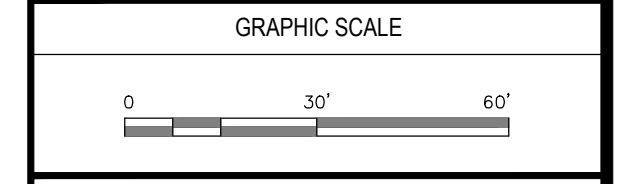
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PROJECT
 ATHLETIC CAMPUS IMPROVEMENTS
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 SOUTH HAMILTON, MA 01982

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

2/13/2024	PEER REVIEW COMM.	KFR	
NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718601		
CADD FILE	718601_C004		
DESIGNED BY	KFR		
DRAWN BY	KFR		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	1" = 30'		

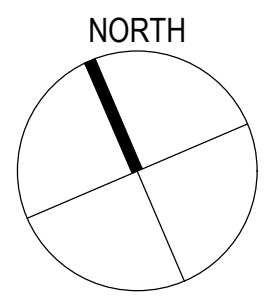
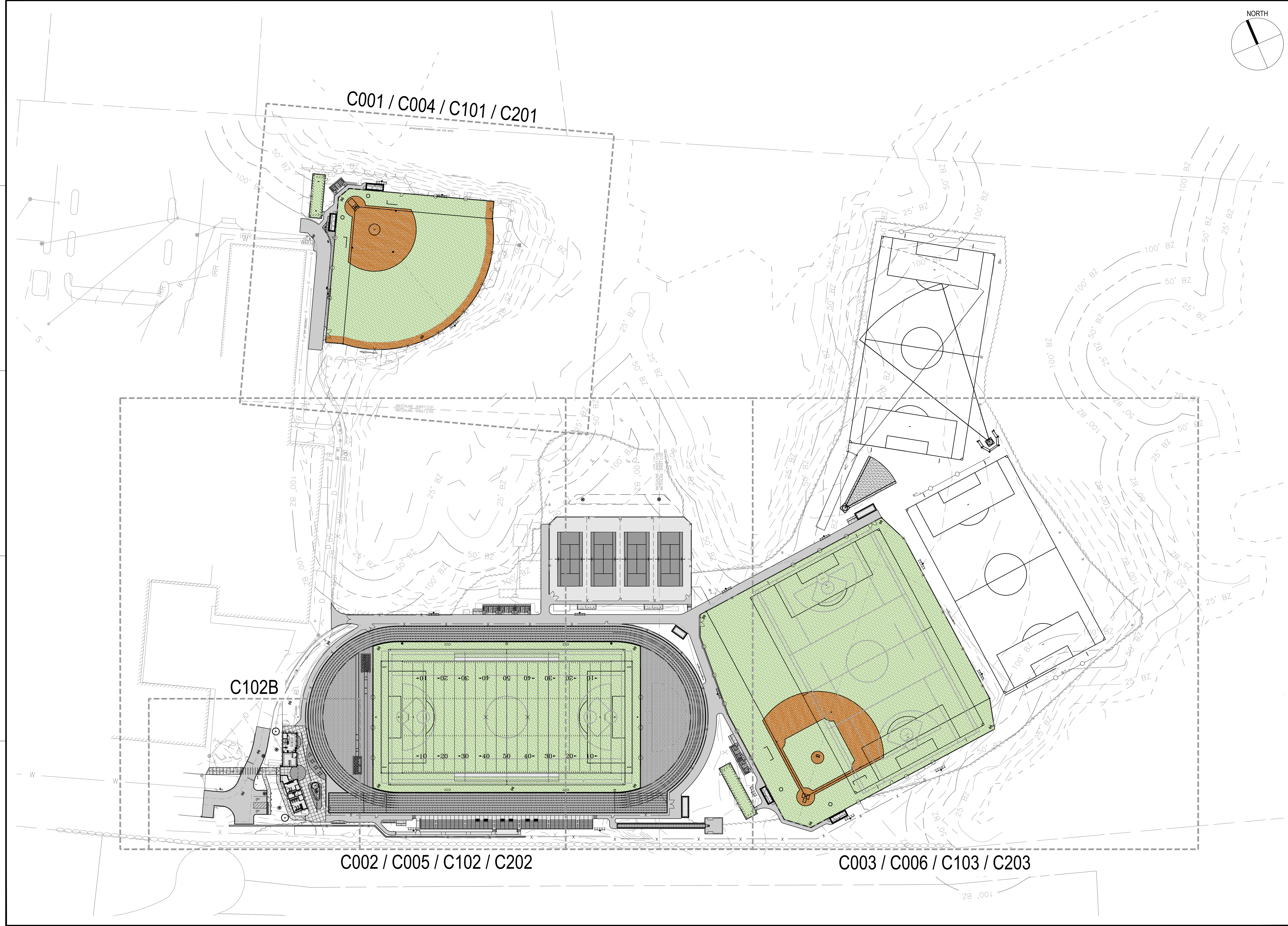


SHEET TITLE

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

DRAWING NO.
C006

8 OF 40



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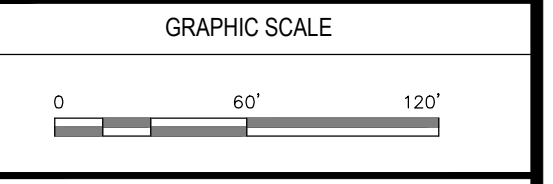
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PROJECT
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 775 BAY ROAD
 SOUTH HAMILTON, MA 01982

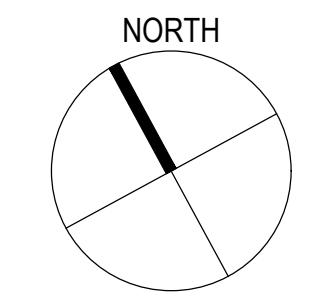
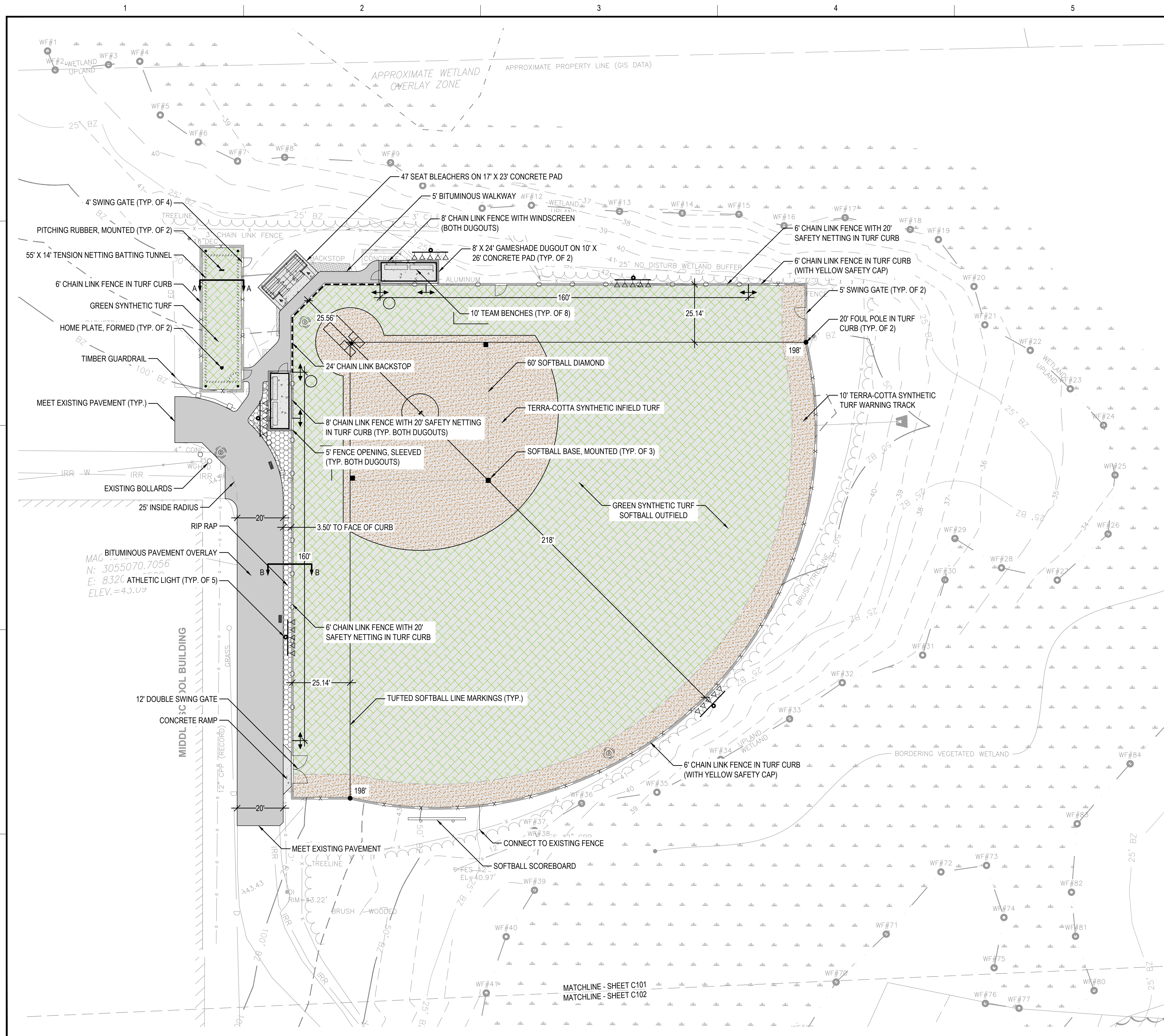
OWNER
 HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
 5 SCHOOL STREET
 WENHAM, MA 01984

2/13/2024	PEER REVIEW COMM.	KFR	
NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718601		
CADD FILE	718601_C101		
DESIGNED BY	KFR		
DRAWN BY	KFR		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	1" = 60'		



SHEET TITLE
**LAYOUT
 AND MATERIALS
 KEY PLAN**

DRAWING NO.
C100
 9 OF 40



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PROJECT
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 775 BAY ROAD
 SOUTH HAMILTON, MA 01982

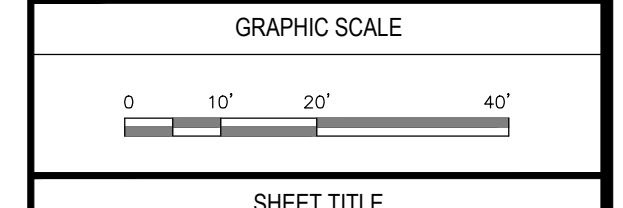
OWNER
 HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
 5 SCHOOL STREET
 WENHAM, MA 01984

- LAYOUT AND MATERIALS NOTES:**
- LOAM AND SEED ALL DISTURBED AREAS.
 - CONTRACTOR IS RESPONSIBLE FOR FIRST PAINTING OF ALL NON-TUFTED FIELD STRIPING OR SELECTIVE STRIPING AS SPECIFIED BY THE OWNER.
 - SYNTHETIC TURF FIELD CARPET WITH INFILL IN PLACE SHALL HAVE A MINIMUM PERMEABILITY OF 16" PER HOUR. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE PERMEABILITY OF THE SYNTHETIC TURF SYSTEM WITH A MATERIAL TESTING AGENCY PRIOR TO INSTALLATION.

LAYOUT AND MATERIALS LEGEND

	BITUMINOUS PAVEMENT
	SYNTHETIC TRACK SURFACING (RED)
	SYNTHETIC TURF (GREEN)
	CONCRETE
	RIP RAP
	LOAM AND SEED
	CLAY INFIELD MIX / STONE DUST
	BITUMINOUS PAVEMENT WITH GEOGRID
	SAFETY NETTING
	DECORATIVE FENCE
	TIMBER GUARDRAIL
	FIELD MARKINGS, PAINTED
	FIELD MARKINGS, TUFTED
	CONCRETE ANCHOR CURB
	CHAIN LINK FENCE
	DOUBLE SWING GATE (VARIABLE SIZE)
	SINGLE SWING GATE
	ATHLETIC LIGHT
	LED SCOREBOARD
	CHANGE IN FENCE/CURB TYPE
	SIGN / AREA LIGHT

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718601		
CADD FILE	718601_C101		
DESIGNED BY	KFR		
DRAWN BY	KFR		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	1" = 20'		

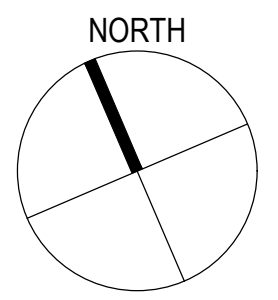


SHEET TITLE

**LAYOUT AND MATERIALS PLAN
 SHEET 1 OF 4**

DRAWING NO.
C101

10 OF 40



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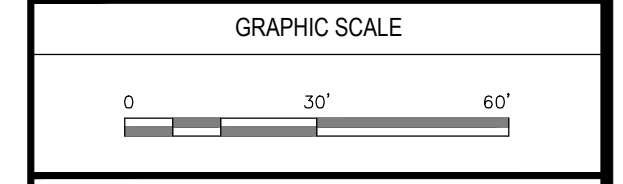
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PROJECT
**ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL**
775 BAY ROAD
SOUTH HAMILTON, MA 01982
OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
2/13/2024	PEER REVIEW COMM.	KFR	

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718601		
CADD FILE	718601_C101		
DESIGNED BY	KFR		
DRAWN BY	KFR		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	1" = 30'		



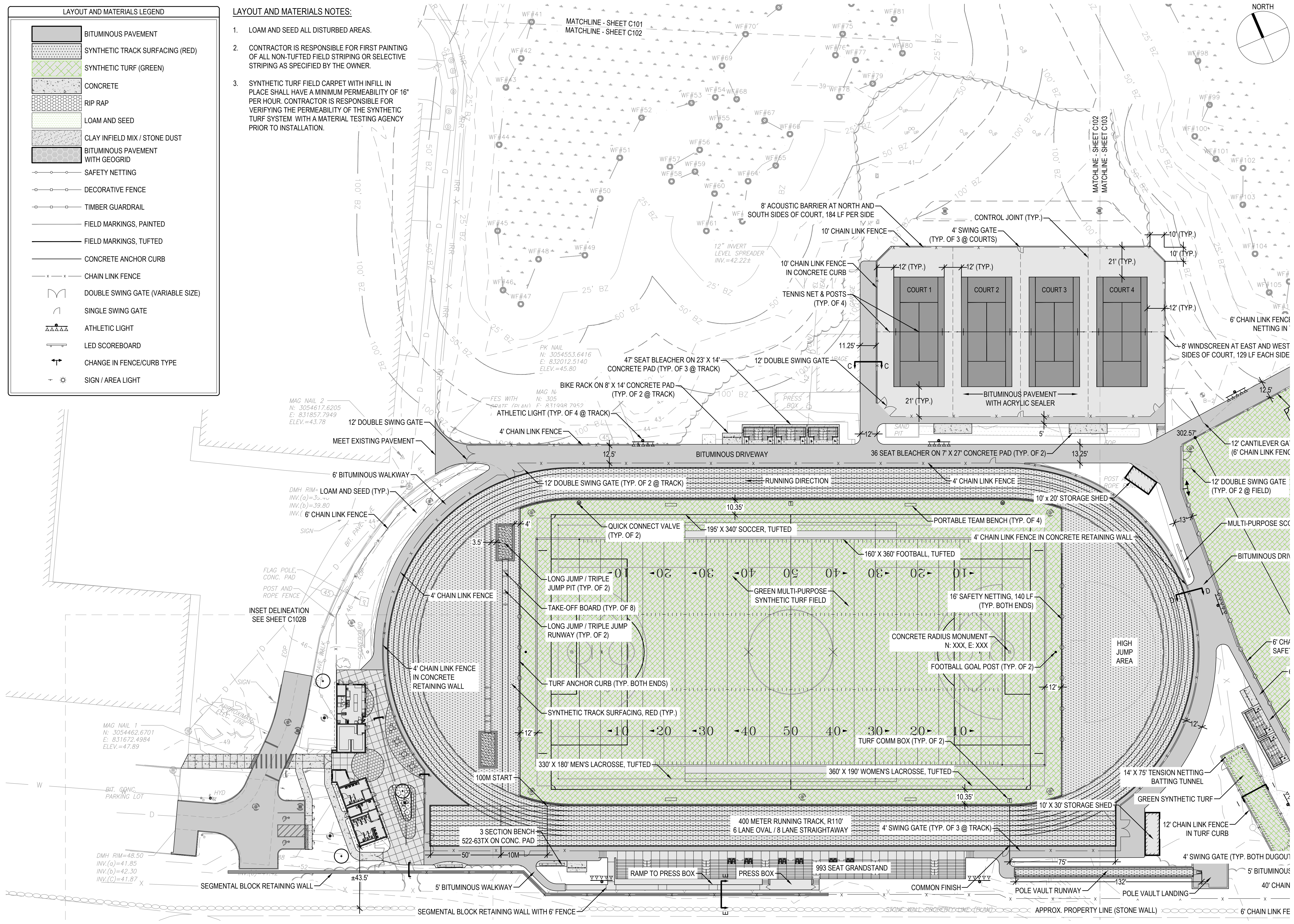
SHEET TITLE
**LAYOUT AND MATERIALS PLAN
SHEET 2 OF 4**

DRAWING NO.
C102
11 OF 40

LAYOUT AND MATERIALS LEGEND

	BITUMINOUS PAVEMENT
	SYNTHETIC TRACK SURFACING (RED)
	SYNTHETIC TURF (GREEN)
	CONCRETE
	RIP RAP
	LOAM AND SEED
	CLAY INFIELD MIX / STONE DUST
	BITUMINOUS PAVEMENT WITH GEOGRID
	SAFETY NETTING
	DECORATIVE FENCE
	TIMBER GUARDRAIL
	FIELD MARKINGS, PAINTED
	FIELD MARKINGS, TUFTED
	CONCRETE ANCHOR CURB
	CHAIN LINK FENCE
	DOUBLE SWING GATE (VARIABLE SIZE)
	SINGLE SWING GATE
	ATHLETIC LIGHT
	LED SCOREBOARD
	CHANGE IN FENCE/CURB TYPE
	SIGN / AREA LIGHT

- LAYOUT AND MATERIALS NOTES:
- LOAM AND SEED ALL DISTURBED AREAS.
 - CONTRACTOR IS RESPONSIBLE FOR FIRST PAINTING OF ALL NON-TUFTED FIELD STRIPING OR SELECTIVE STRIPING AS SPECIFIED BY THE OWNER.
 - SYNTHETIC TURF FIELD CARPET WITH INFILL IN PLACE SHALL HAVE A MINIMUM PERMEABILITY OF 16" PER HOUR. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE PERMEABILITY OF THE SYNTHETIC TURF SYSTEM WITH A MATERIAL TESTING AGENCY PRIOR TO INSTALLATION.



MAG NAIL 1
N: 3054462.6701
E: 831672.4984
ELEV.=47.89

DMH RIM=48.50
INV.(a)=41.85
INV.(b)=42.30
INV.(c)=41.87

MAG NAIL 2
N: 3054617.6205
E: 831857.7949
ELEV.=43.78

MAG NAIL 3
N: 3054553.6416
E: 832012.5140
ELEV.=45.80

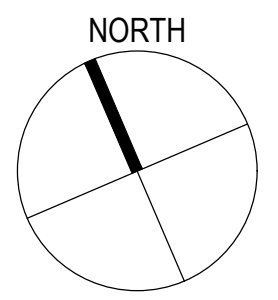
MAG NAIL 4
N: 305
E: 831008.7952
ELEV.=45.80

LAYOUT AND MATERIALS LEGEND

- BITUMINOUS PAVEMENT
- SYNTHETIC TRACK SURFACING (RED)
- SYNTHETIC TURF (GREEN)
- CONCRETE
- RIP RAP
- LOAM AND SEED
- CLAY INFIELD MIX / STONE DUST
- BITUMINOUS PAVEMENT WITH GEOGRID
- SAFETY NETTING
- DECORATIVE FENCE
- TIMBER GUARDRAIL
- FIELD MARKINGS, PAINTED
- FIELD MARKINGS, TUFTED
- CONCRETE ANCHOR CURB
- CHAIN LINK FENCE
- DOUBLE SWING GATE (VARIABLE SIZE)
- SINGLE SWING GATE
- ATHLETIC LIGHT
- LED SCOREBOARD
- CHANGE IN FENCE/CURB TYPE
- SIGN / AREA LIGHT

LAYOUT AND MATERIALS NOTES:

- LOAM AND SEED ALL DISTURBED AREAS.
- CONTRACTOR IS RESPONSIBLE FOR FIRST PAINTING OF ALL NON-TUFTED FIELD STRIPING OR SELECTIVE STRIPING AS SPECIFIED BY THE OWNER.



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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

2/13/2024 PEER REVIEW COMM. KFR

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718601		
CADD FILE	718601_C101		
DESIGNED BY	KFR		
DRAWN BY	KFR		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	1" = 10'		

GRAPHIC SCALE
0 10' 20'

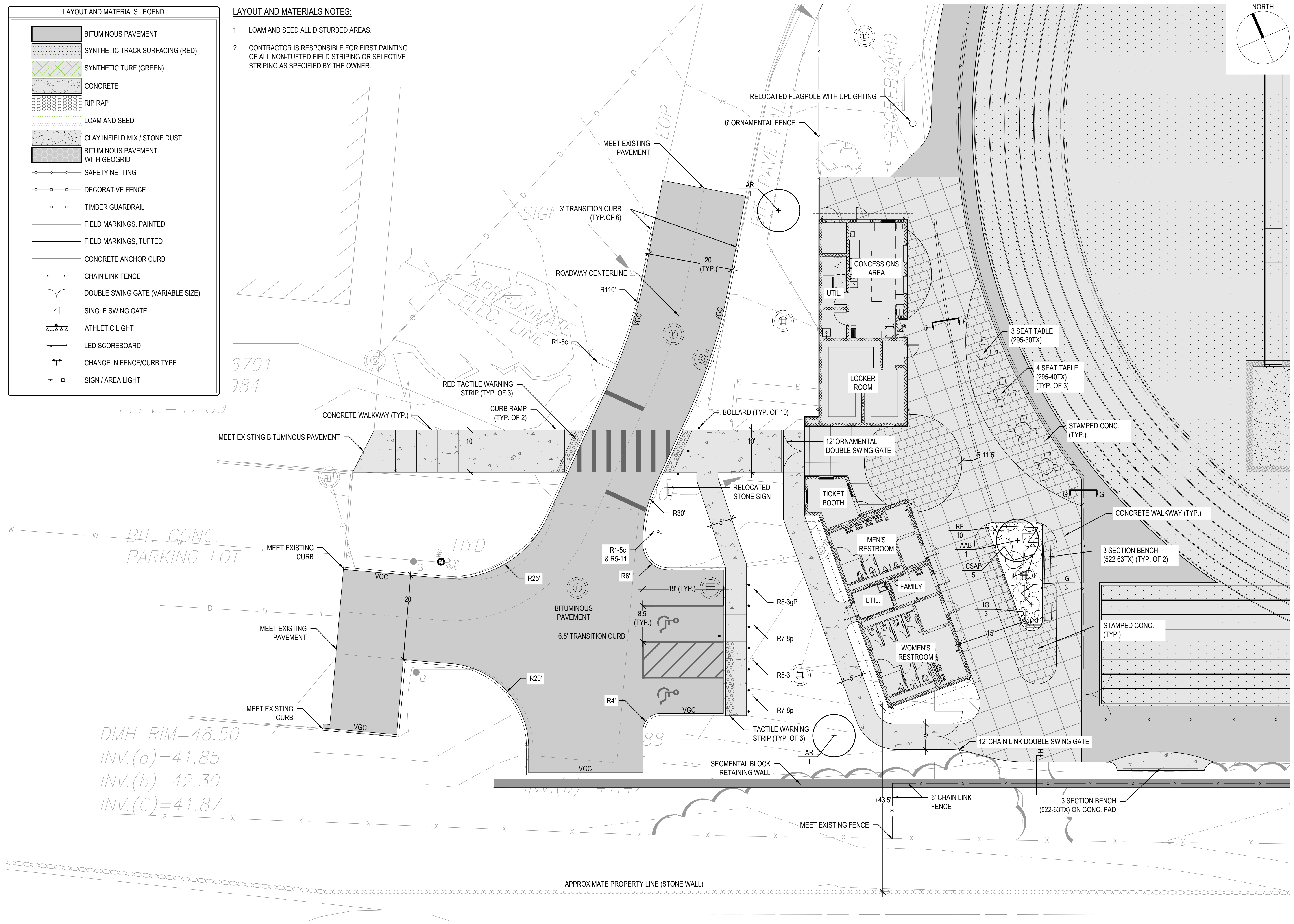
SHEET TITLE

LAYOUT AND MATERIALS PLAN
SHEET 3 OF 4

DRAWING NO.

C102B

12 OF 40



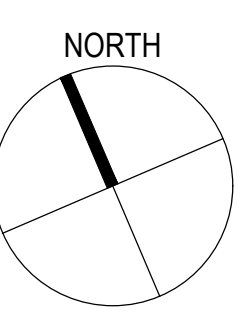
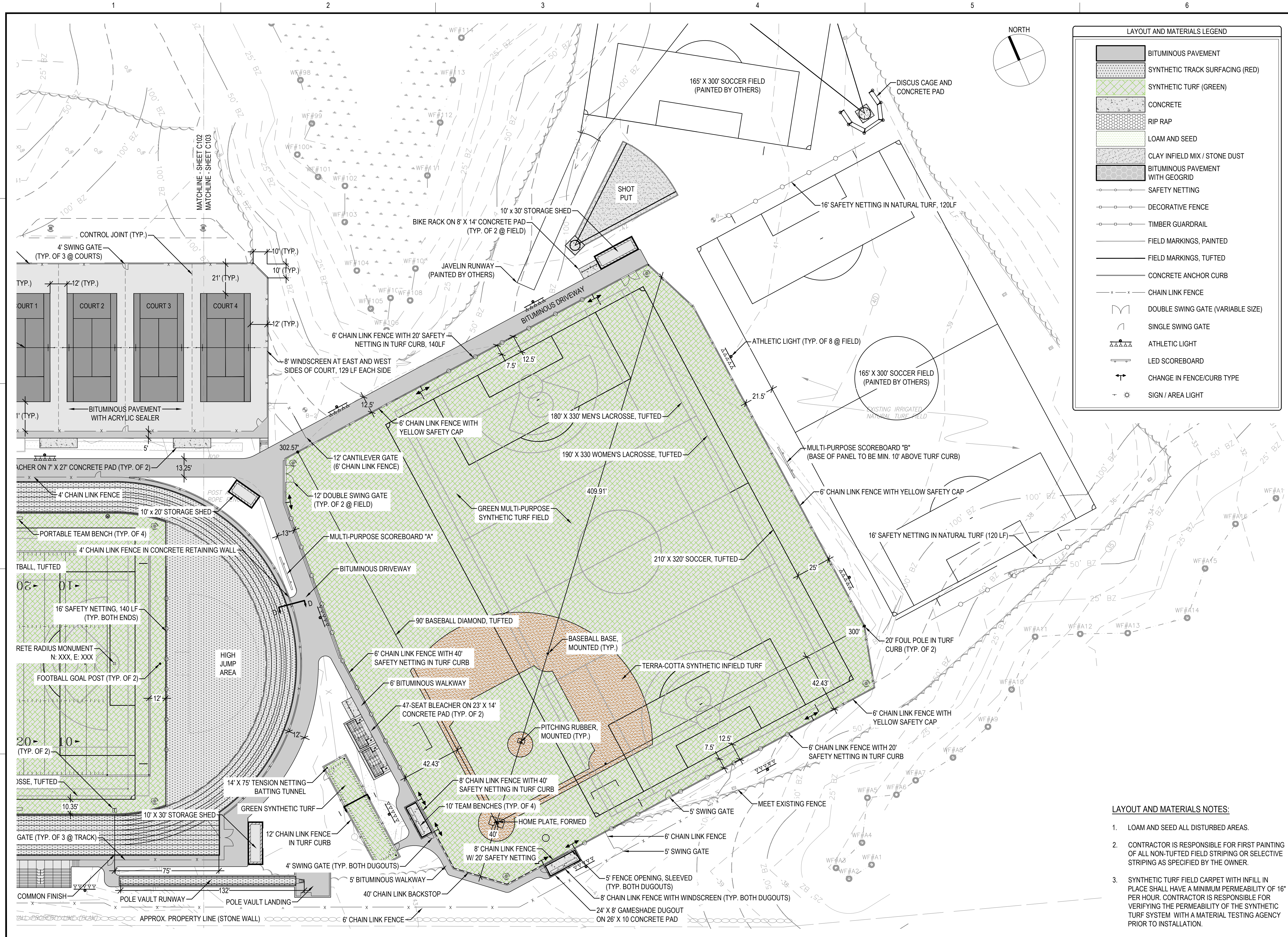
5701
384

LLL.V.-T1.UJ

BIT. CONC.
PARKING LOT

DMH RIM=48.50
INV.(a)=41.85
INV.(b)=42.30
INV.(c)=41.87

APPROXIMATE PROPERTY LINE (STONE WALL)



LAYOUT AND MATERIALS LEGEND

[Pattern]	BITUMINOUS PAVEMENT
[Pattern]	SYNTHETIC TRACK SURFACING (RED)
[Pattern]	SYNTHETIC TURF (GREEN)
[Pattern]	CONCRETE
[Pattern]	RIP RAP
[Pattern]	LOAM AND SEED
[Pattern]	CLAY INFILL MIX / STONE DUST
[Pattern]	BITUMINOUS PAVEMENT WITH GEOGRID
[Symbol]	SAFETY NETTING
[Symbol]	DECORATIVE FENCE
[Symbol]	TIMBER GUARDRAIL
[Symbol]	FIELD MARKINGS, PAINTED
[Symbol]	FIELD MARKINGS, TUFTED
[Symbol]	CONCRETE ANCHOR CURB
[Symbol]	CHAIN LINK FENCE
[Symbol]	DOUBLE SWING GATE (VARIABLE SIZE)
[Symbol]	SINGLE SWING GATE
[Symbol]	ATHLETIC LIGHT
[Symbol]	LED SCOREBOARD
[Symbol]	CHANGE IN FENCE/CURB TYPE
[Symbol]	SIGN / AREA LIGHT

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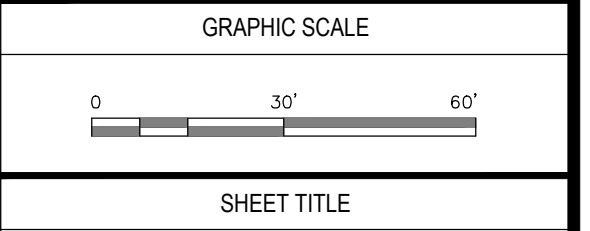
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PROJECT
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 5 SCHOOL STREET
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NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718601		
CADD FILE	718601_C101		
DESIGNED BY	KFR		
DRAWN BY	KFR		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	1" = 30'		



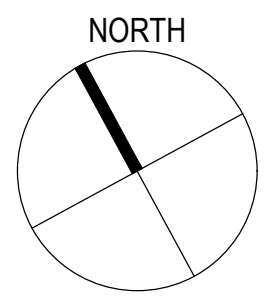
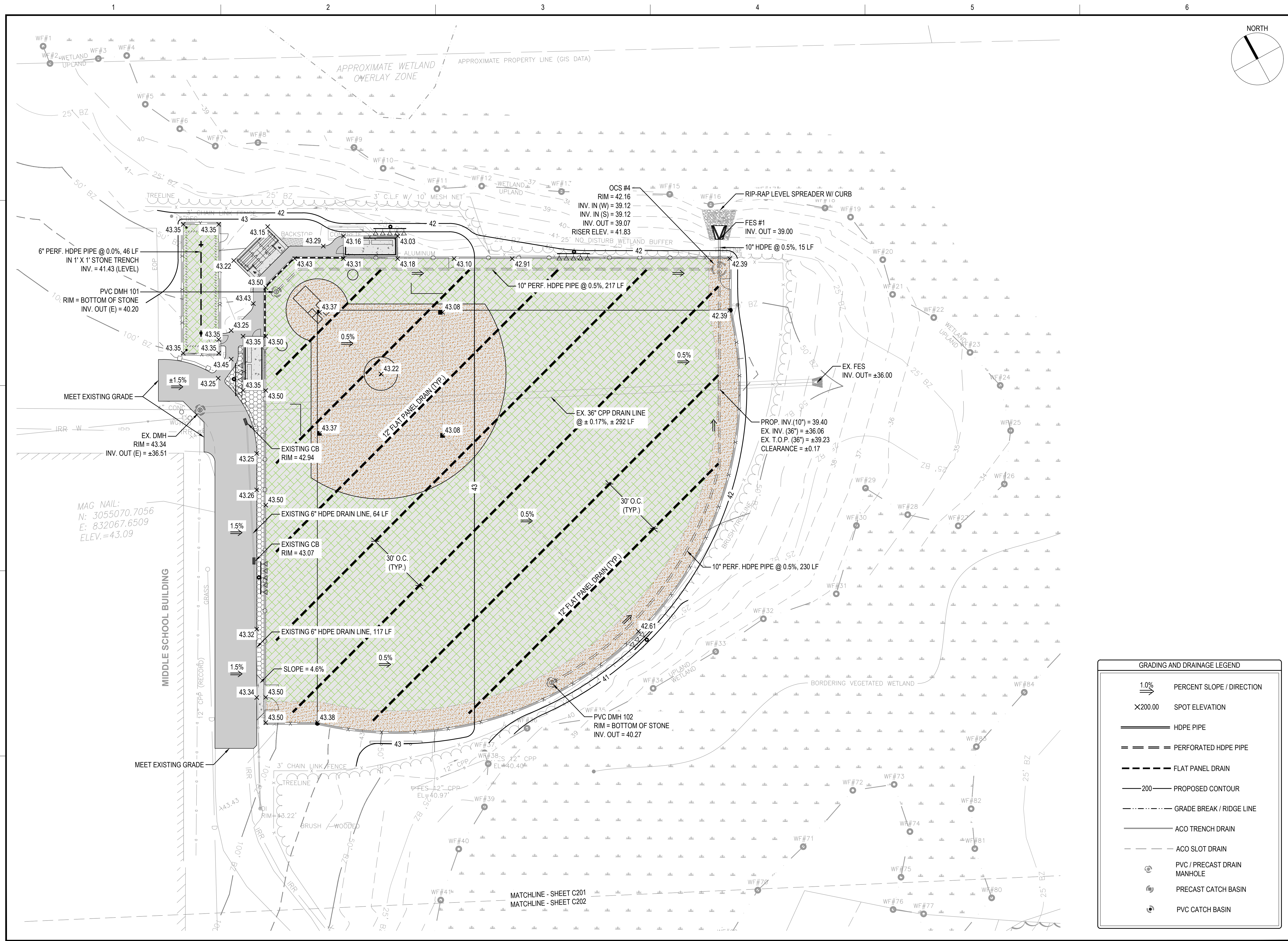
LAYOUT AND MATERIALS NOTES:

- LOAM AND SEED ALL DISTURBED AREAS.
- CONTRACTOR IS RESPONSIBLE FOR FIRST PAINTING OF ALL NON-TUFTED FIELD STRIPING OR SELECTIVE STRIPING AS SPECIFIED BY THE OWNER.
- SYNTHETIC TURF FIELD CARPET WITH INFILL IN PLACE SHALL HAVE A MINIMUM PERMEABILITY OF 16" PER HOUR. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE PERMEABILITY OF THE SYNTHETIC TURF SYSTEM WITH A MATERIAL TESTING AGENCY PRIOR TO INSTALLATION.

SHEET TITLE
 LAYOUT AND MATERIALS PLAN
 SHEET 4 OF 4

DRAWING NO.
 C103

13 OF 40



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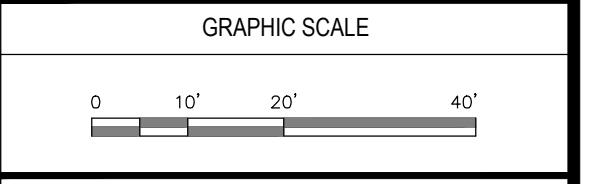
PERMIT SET

PROJECT
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OWNER
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2/13/2024	PEER REVIEW COMM.	KFR
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NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718601		
CADD FILE	718601_C201		
DESIGNED BY	KFR		
DRAWN BY	KFR		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	1" = 20'		



SHEET TITLE

**DRAINAGE AND GRADING PLAN
 SHEET 1 OF 4**

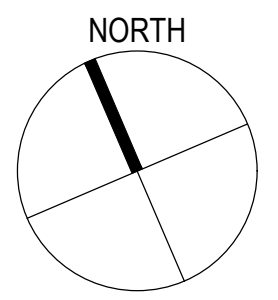
DRAWING NO.

C201

14 OF 40

GRADING AND DRAINAGE LEGEND

	PERCENT SLOPE / DIRECTION
	SPOT ELEVATION
	HDPE PIPE
	PERFORATED HDPE PIPE
	FLAT PANEL DRAIN
	PROPOSED CONTOUR
	GRADE BREAK / RIDGE LINE
	ACO TRENCH DRAIN
	ACO SLOT DRAIN
	PVC / PRECAST DRAIN MANHOLE
	PRECAST CATCH BASIN
	PVC CATCH BASIN

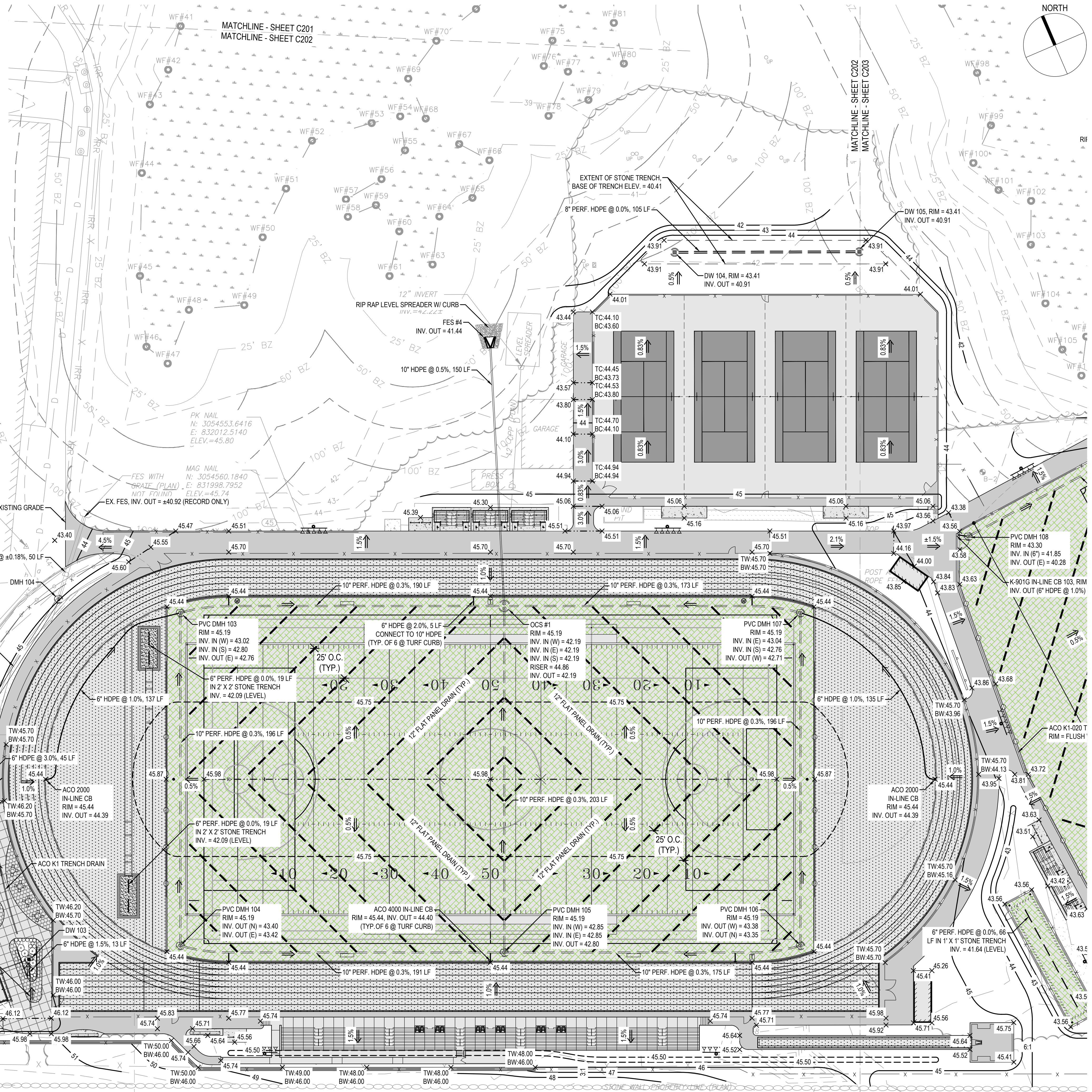


GRADING AND DRAINAGE LEGEND

- 1.0% PERCENT SLOPE / DIRECTION
- X200.00 SPOT ELEVATION
- HDPE PIPE
- PERFORATED HDPE PIPE
- FLAT PANEL DRAIN
- 200 PROPOSED CONTOUR
- GRADE BREAK / RIDGE LINE
- ACO TRENCH DRAIN
- ACO SLOT DRAIN
- PVC / PRECAST DRAIN MANHOLE
- PRECAST CATCH BASIN
- PVC CATCH BASIN

INVERT TABLE

DMH 101 RIM = 47.38 INV. IN (W) = 41.67 INV. IN (E) = 42.64 INV. OUT (N) = 41.57	CB 101 RIM = 47.05 INV. OUT = 43.05
DMH 102 RIM = 46.69 INV. IN (W) = 41.57 INV. IN (S) = 42.42 INV. IN (E) = 42.17 INV. OUT = 41.47	CB 102 RIM = 46.50 INV. OUT = 42.50
DMH 103 RIM = 45.40 INV. IN (W) = 41.47 INV. IN (S) = 42.64 INV. OUT = 41.37	DW 101 RIM = 45.50
DMH 104 RIM = 45.00 INV. IN = 41.37 INV. OUT = 41.27	DW 102 RIM = 45.50 INV. IN (S) = 43.84 INV. OUT (N) = 42.50
	TD 101 RIM = 46.13 INV. OUT = 44.44
	DW 103 RIM = 45.50 INV. IN (W) = 44.28 INV. IN (S) = 42.80



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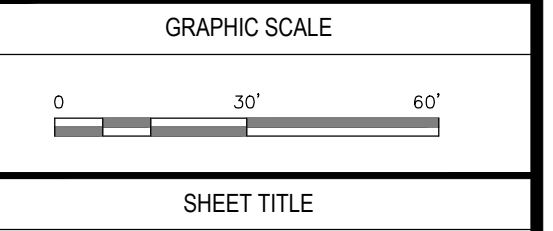
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PROJECT
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OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
2/13/2024	PEER REVIEW COMM.	KFR	
PROJECT NO.	718601		
CADD FILE	718601_C201		
DESIGNED BY	KFR		
DRAWN BY	KFR		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	1" = 30'		



SHEET TITLE
**GRADING AND DRAINAGE PLAN
SHEET 2 OF 4**

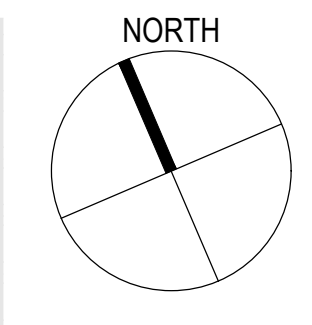
DRAWING NO. C202
15 OF 40

GRADING AND DRAINAGE LEGEND

- 1.0% PERCENT SLOPE / DIRECTION
- X200.00 SPOT ELEVATION
- HDPE PIPE
- PERFORATED HDPE PIPE
- FLAT PANEL DRAIN
- 200 PROPOSED CONTOUR
- GRADE BREAK / RIDGE LINE
- ACO TRENCH DRAIN
- ACO SLOT DRAIN
- PVC / PRECAST DRAIN MANHOLE
- PRECAST CATCH BASIN
- PVC CATCH BASIN

INVERT TABLE

DMH 101 RIM = 47.38 INV. IN (W) = 41.67 INV. IN (E) = 42.64 INV. OUT (N) = 41.57	CB 101 RIM = 47.05 INV. OUT = 43.05
DMH 102 RIM = 46.69 INV. IN (W) = 41.57 INV. IN (S) = 42.42 INV. IN (E) = 42.17 INV. OUT = 41.47	CB 102 RIM = 46.50 INV. OUT = 42.50
DMH 103 RIM = 45.40 INV. IN (W) = 41.47 INV. IN (S) = 42.64 INV. OUT = 41.37	DW 101 RIM = 45.50
DMH 104 RIM = 45.00 INV. IN = 41.37 INV. OUT = 41.27	DW 102 RIM = 45.50
	DW 103 RIM = 45.50
	TD 101 RIM = 46.13 INV. OUT = 44.44
	TD 103 RIM = 45.50 INV. IN (W) = 44.28 INV. IN (S) = 42.80



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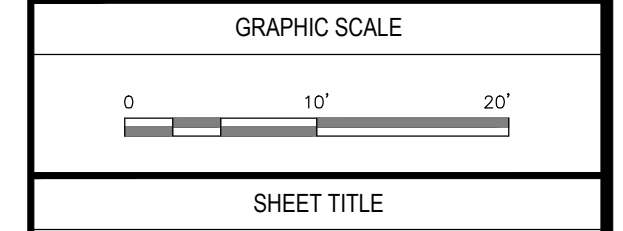
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PROJECT
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775 BAY ROAD
SOUTH HAMILTON, MA 01982

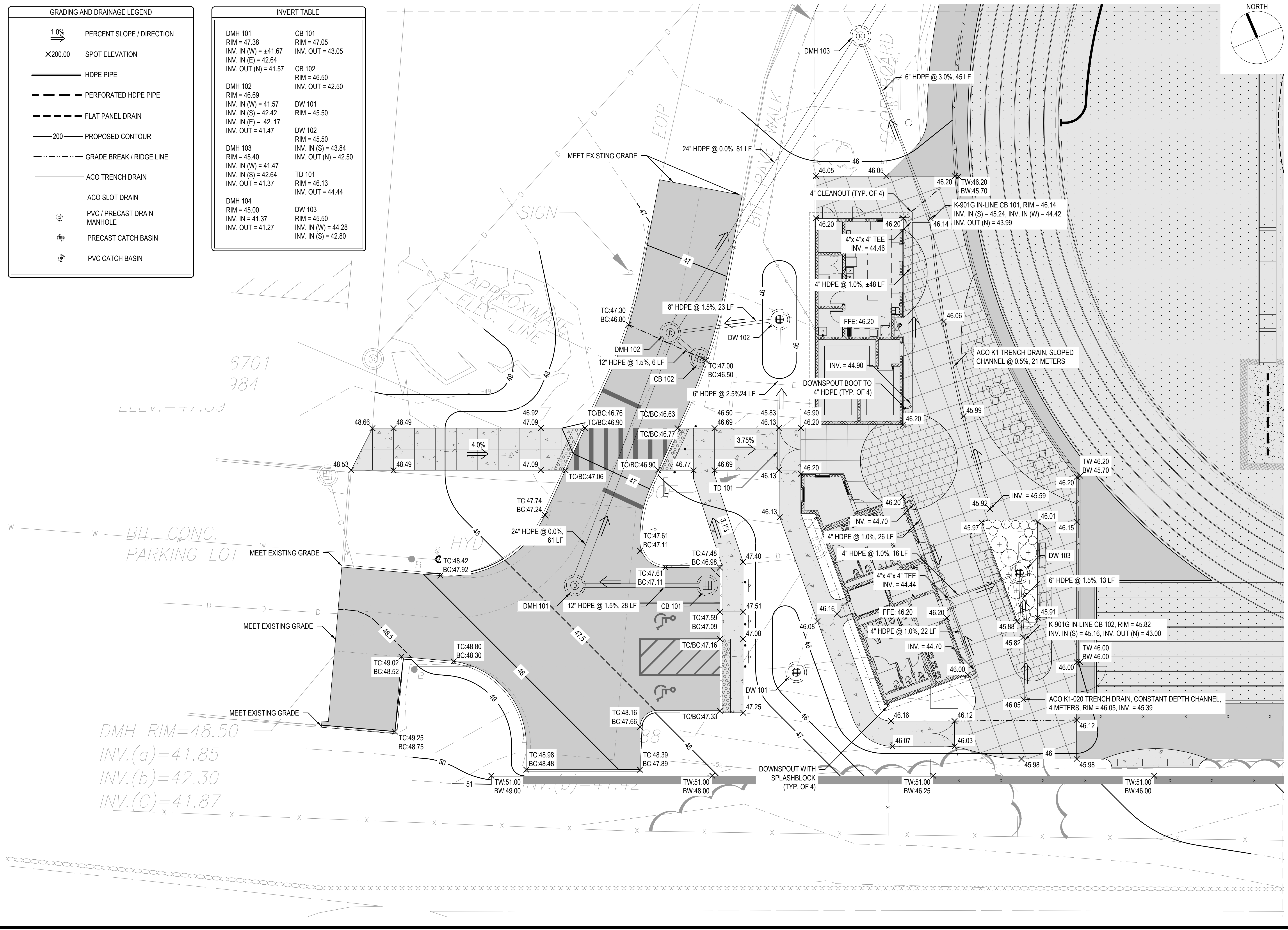
OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718601		
CADD FILE	718601_C201		
DESIGNED BY	KFR / NTS		
DRAWN BY	KFR / NTS		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	1" = 10'		

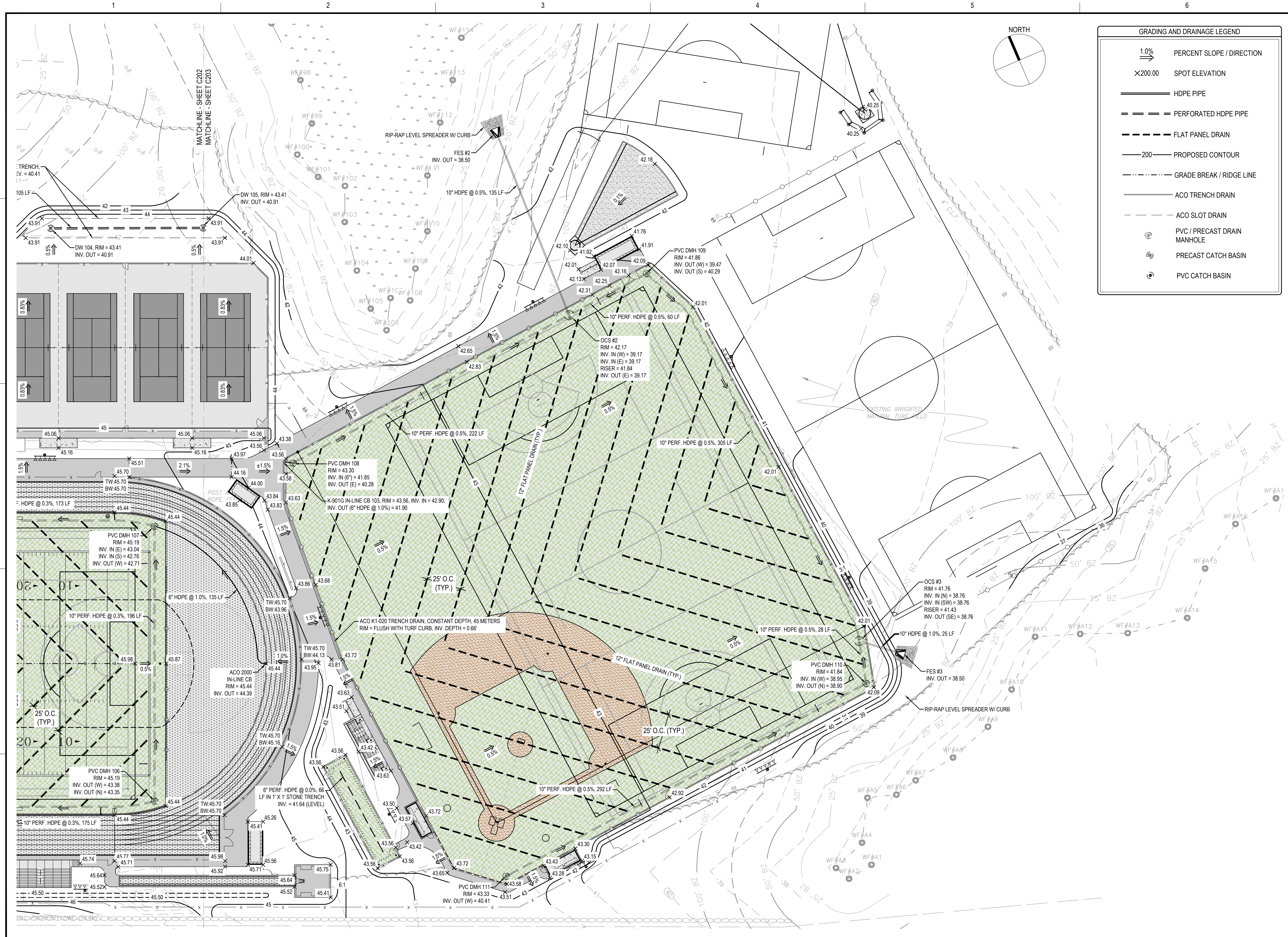


SHEET TITLE
**GRADING AND DRAINAGE PLAN
SHEET 3 OF 4**

DRAWING NO. C202B
16 OF 40



DMH RIM=48.50
INV.(a)=41.85
INV.(b)=42.30
INV.(c)=41.87



GRADING AND DRAINAGE LEGEND

- 1.0% PERCENT SLOPE / DIRECTION
- X200.00 SPOT ELEVATION
- HDPE PIPE
- PERFORATED HDPE PIPE
- FLAT PANEL DRAIN
- PROPOSED CONTOUR
- GRADE BREAK / RIDGE LINE
- ACO TRENCH DRAIN
- ACO SLOT DRAIN
- PVC / PRECAST DRAIN MANHOLE
- PRECAST CATCH BASIN
- PVC CATCH BASIN



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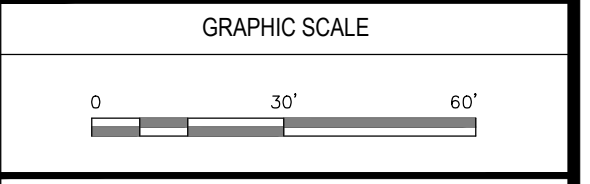
PERMIT SET

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

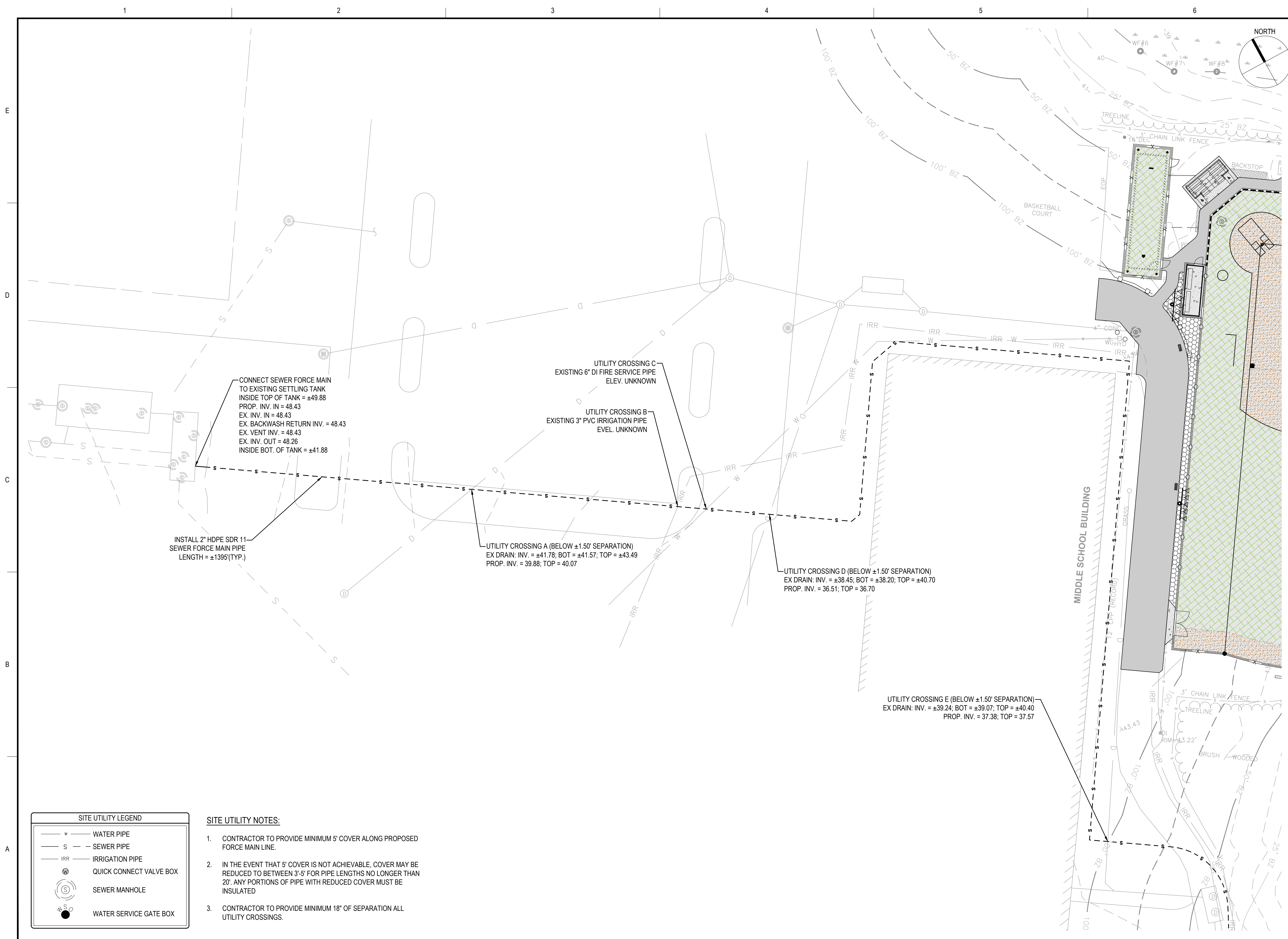
NO.	DATE	DESCRIPTION	BY
1	2/13/2024	PEER REVIEW COMM.	KFR

PROJECT NO.	718601
CADD FILE	718601_C201
DESIGNED BY	KFR
DRAWN BY	KFR
CHECKED BY	KDH / PS
DATE	11/16/2023
DRAWING SCALE	1" = 30'



SHEET TITLE
 GRADING AND DRAINAGE PLAN
 SHEET 4 OF 4

DRAWING NO.
 C203
 17 OF 40



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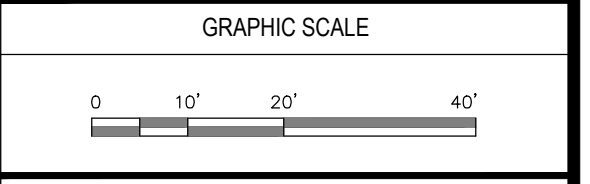
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PROJECT
 ATHLETIC CAMPUS IMPROVEMENTS
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OWNER
 HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
 5 SCHOOL STREET
 WENHAM, MA 01984

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718601		
CADD FILE	718601_C301		
DESIGNED BY	CRR / KFR		
DRAWN BY	CRR		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	1" = 20'		



SHEET TITLE

**SITE UTILITIES PLAN
 SHEET 1 OF 2**

DRAWING NO.

C301

18 OF 40

SITE UTILITY LEGEND

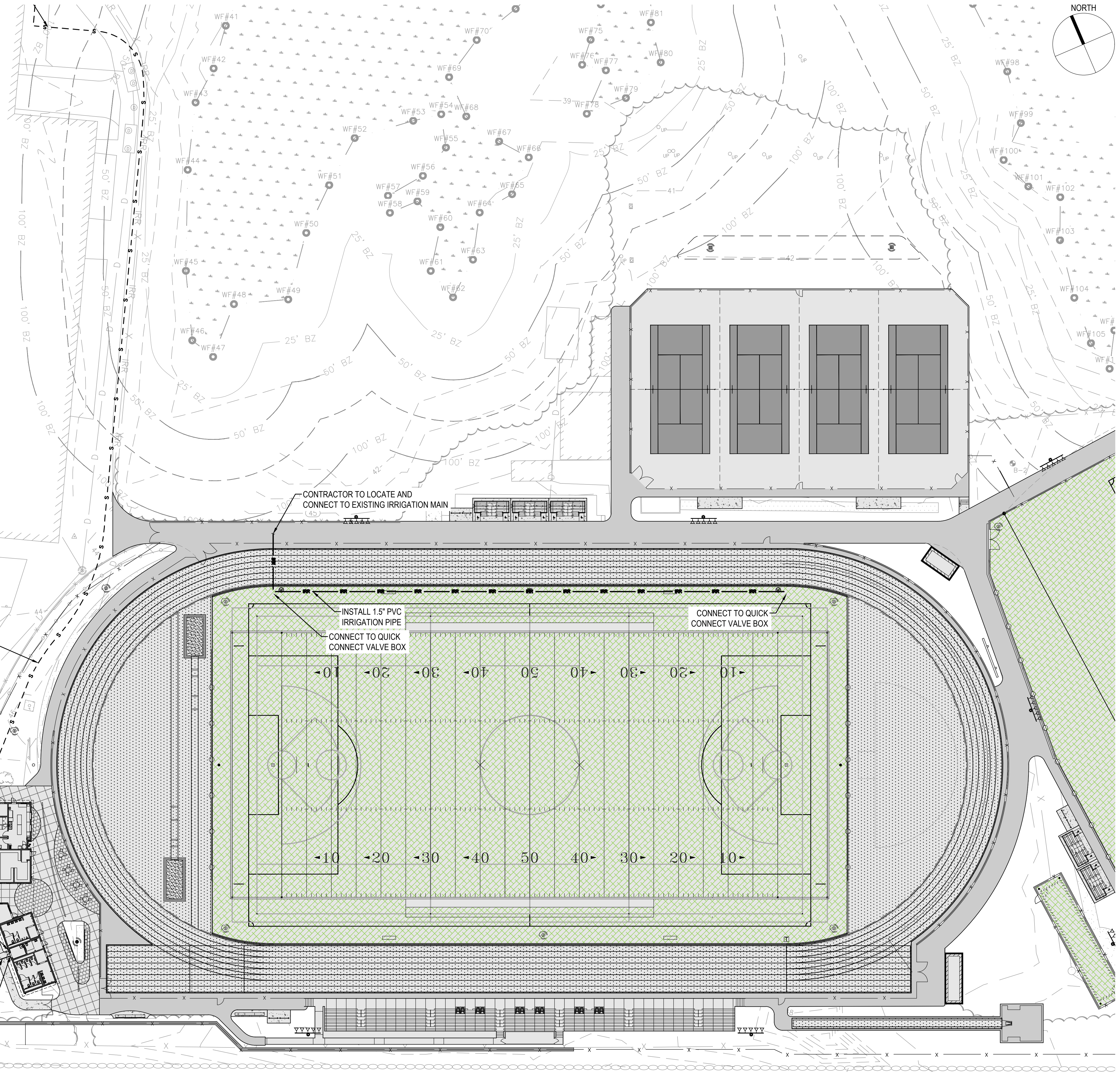
- W — WATER PIPE
- S — SEWER PIPE
- IRR — IRRIGATION PIPE
- ⊙ QUICK CONNECT VALVE BOX
- ⊙ SEWER MANHOLE
- ⊙ WATER SERVICE GATE BOX

- SITE UTILITY NOTES:**
- CONTRACTOR TO PROVIDE MINIMUM 5' COVER ALONG PROPOSED FORCE MAIN LINE.
 - IN THE EVENT THAT 5' COVER IS NOT ACHIEVABLE, COVER MAY BE REDUCED TO BETWEEN 3'-5' FOR PIPE LENGTHS NO LONGER THAN 20'. ANY PORTIONS OF PIPE WITH REDUCED COVER MUST BE INSULATED
 - CONTRACTOR TO PROVIDE MINIMUM 18" OF SEPARATION ALL UTILITY CROSSINGS.

SITE UTILITY NOTES:

- CONTRACTOR TO PROVIDE MINIMUM 5' COVER ALONG PROPOSED FORCE MAIN LINE.
- IN THE EVENT THAT 5' COVER IS NOT ACHIEVABLE, COVER MAY BE REDUCED TO BETWEEN 3'-5' FOR PIPE LENGTHS NO LONGER THAN 20'. ANY PORTIONS OF PIPE WITH REDUCED COVER MUST BE INSULATED
- CONTRACTOR TO PROVIDE MINIMUM 18" OF SEPARATION ALL UTILITY CROSSINGS.

SITE UTILITY LEGEND	
	WATER PIPE
	SEWER PIPE
	IRRIGATION PIPE
	QUICK CONNECT VALVE BOX
	SEWER MANHOLE
	WATER SERVICE GATE BOX



INSTALL 2" HDPE SDR 11
SEWER FORCE MAIN PIPE
LENGTH = ±1395(TYP.)

INSTALL 1.5" PVC
IRRIGATION PIPE
CONNECT TO QUICK
CONNECT VALVE BOX

CONNECT TO QUICK
CONNECT VALVE BOX

CONNECT TO WATER/UTIL ROOM
PER PLUMBING PLANS

INSTALL SEWER PUMP STATION
RIM = 46.01
INV. OUT = 40.01

CONNECT TO EXISTING 6" DI
WATER MAIN WITH 6"x6"x4" TEE

INSTALL 4" DI WATER MAIN

INSTALL WATER SERVICE BOX
10' OFF OF BUILDING
INSTALL 3" COPPER
WATER SERVICE

CONNECT TO WATER/UTIL ROOM
PER PLUMBING PLANS

CONTRACTOR TO LOCATE AND
CONNECT TO EXISTING IRRIGATION MAIN



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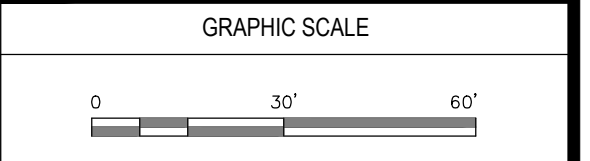
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PROJECT
**ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982**

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

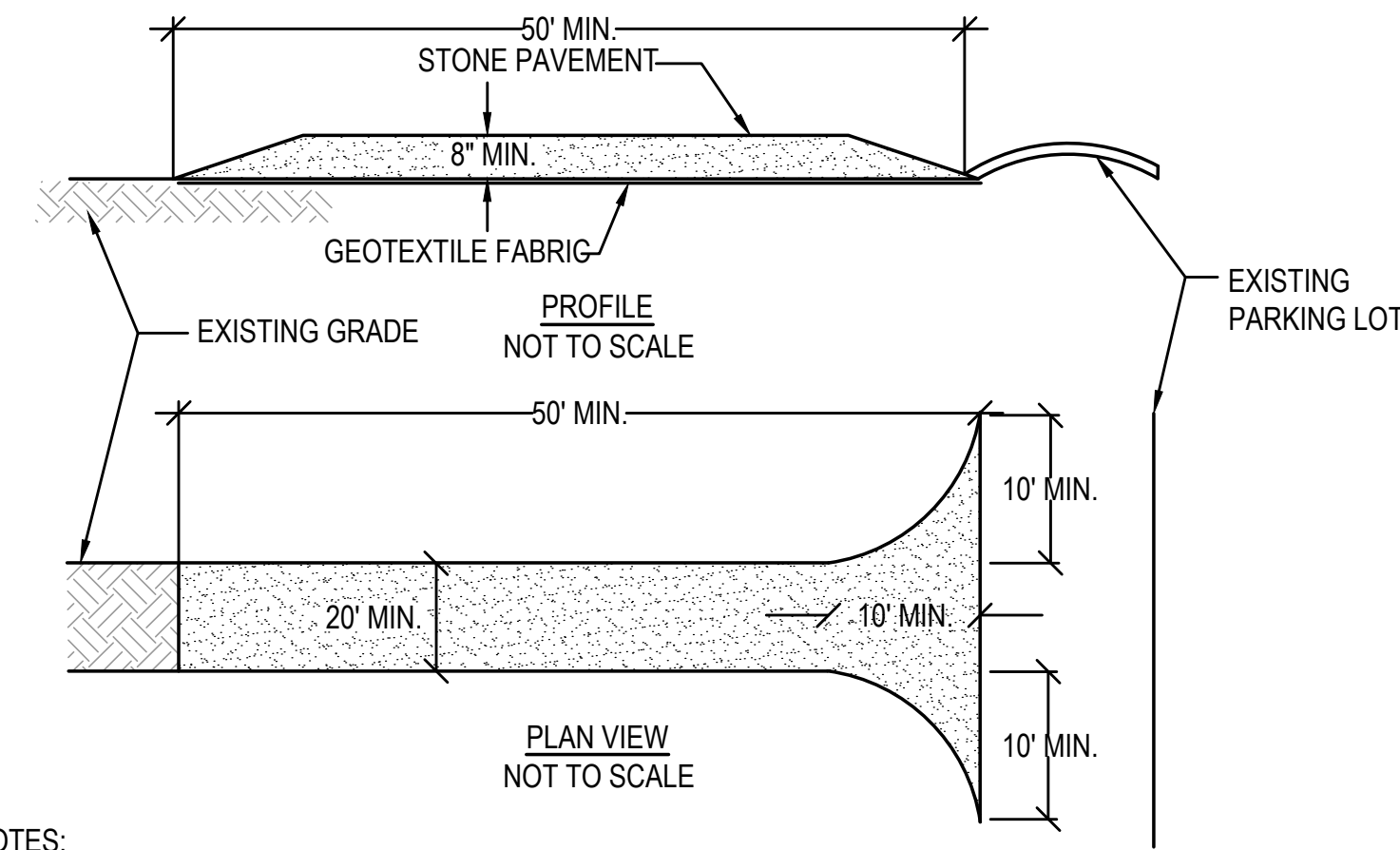
2/13/2024	PEER REVIEW COMM.	KFR
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NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718601		
CADD FILE	718601_C301		
DESIGNED BY	CRR / KFR		
DRAWN BY	CRR		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	1" = 30'		



SHEET TITLE
**SITE
UTILITES PLAN
SHEET 2 OF 2**

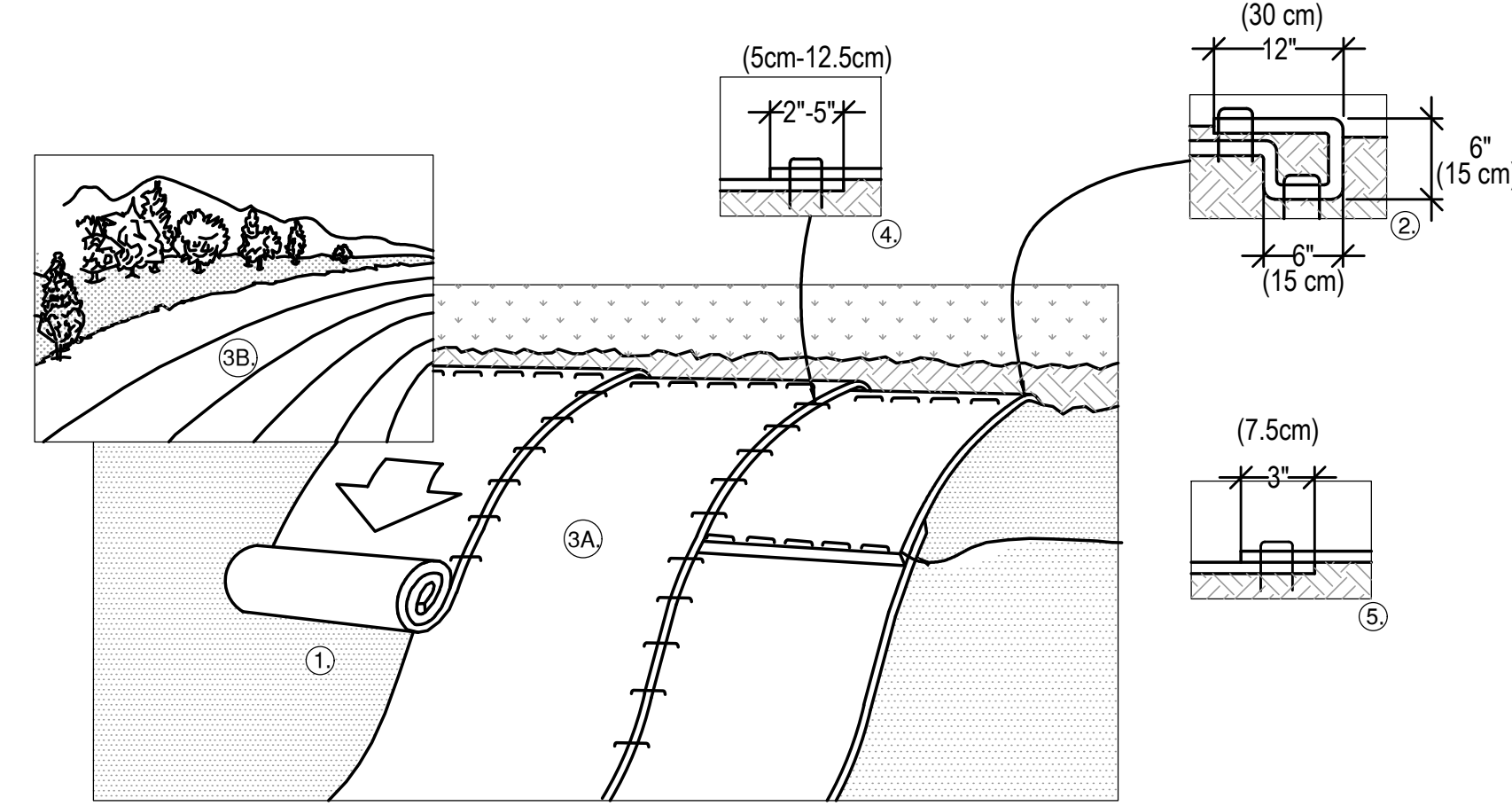
DRAWING NO. C302
19 OF 40



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.

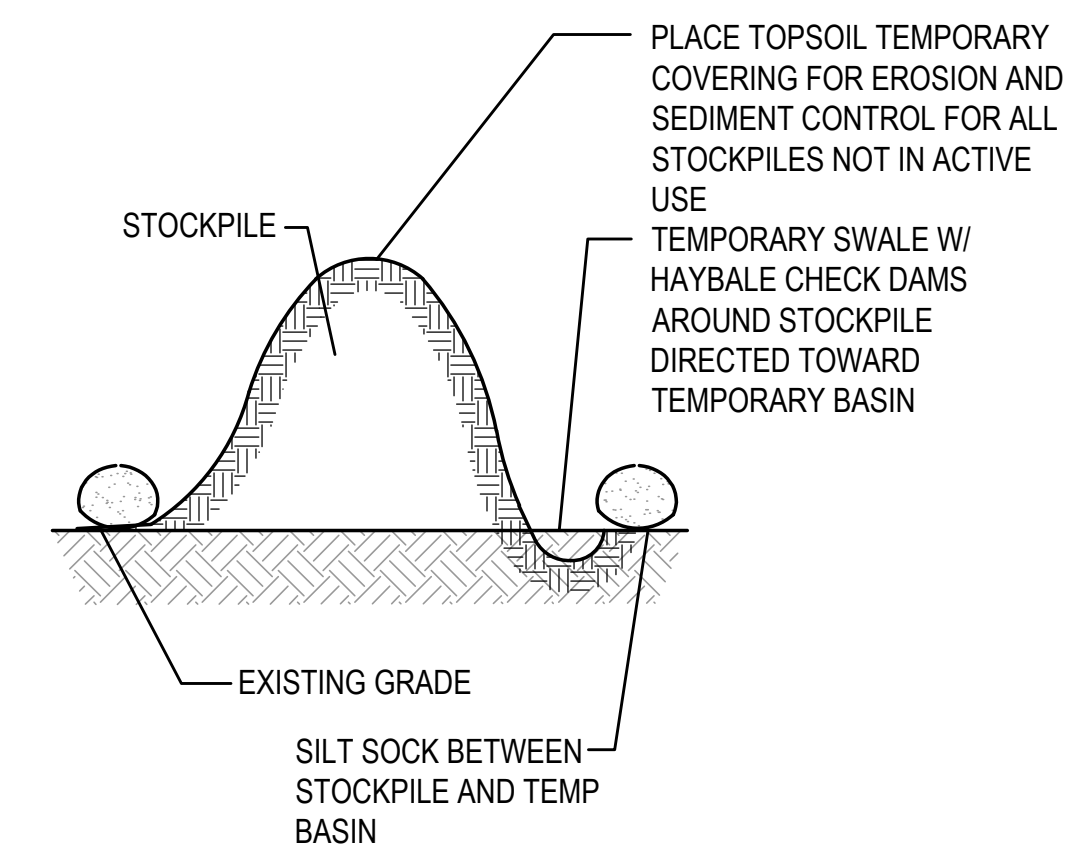
1 STABILIZED CONSTRUCTION ENTRANCE
N.T.S.



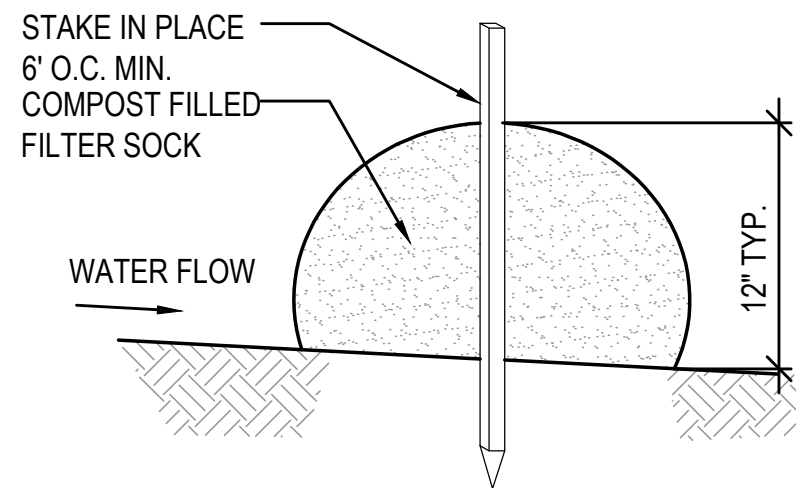
NOTES:

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.



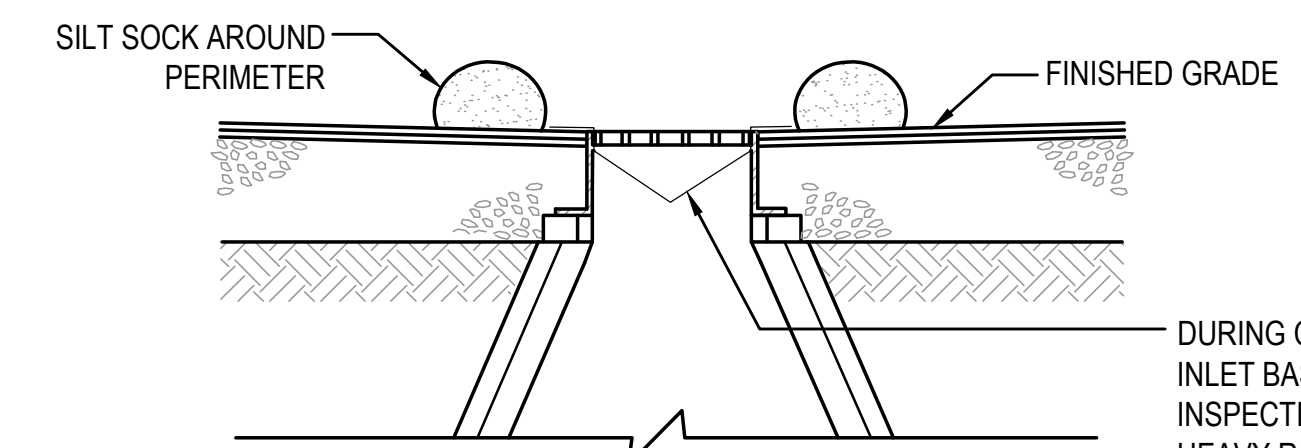
3 MATERIAL STOCKPILE AREA
N.T.S.



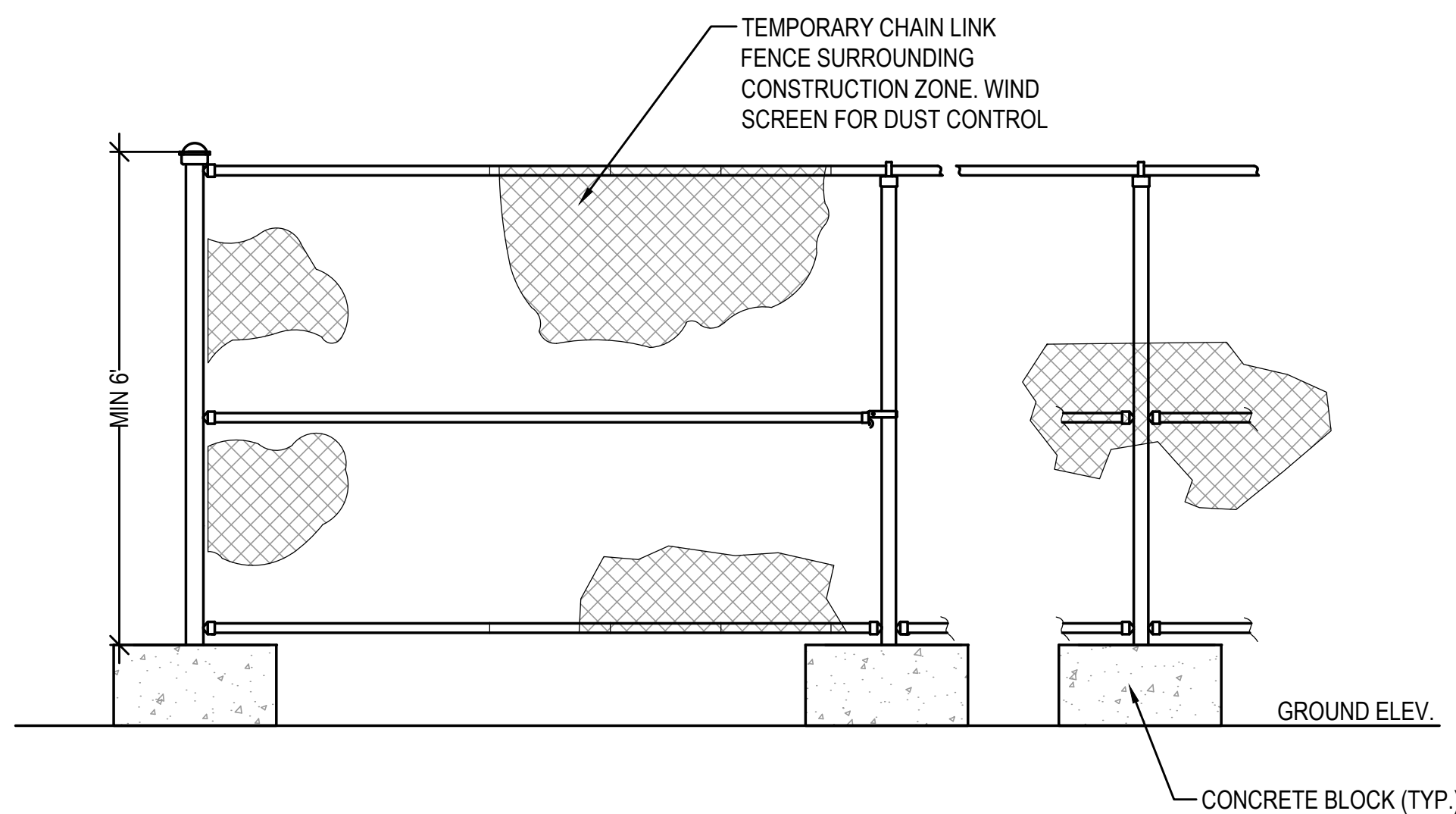
NOTES:

1. THE CONTRACTOR SHALL MAINTAIN THE EROSION CONTROL BERM IN A FUNCTIONAL CONDITION AT ALL TIMES AND IT SHALL BE ROUTINELY INSPECTED.
2. WHERE THE BERM REQUIRES REPAIR, IT SHALL BE ROUTINELY REPAIRED.
3. THE CONTRACTOR SHALL REMOVE SEDIMENTS COLLECTED AT THE BASE OF THE BERM WHEN THEY REACH 1/3 OF THE EXPOSED HEIGHT OF THE BERM, OR AS DIRECTED BY THE ENGINEER.

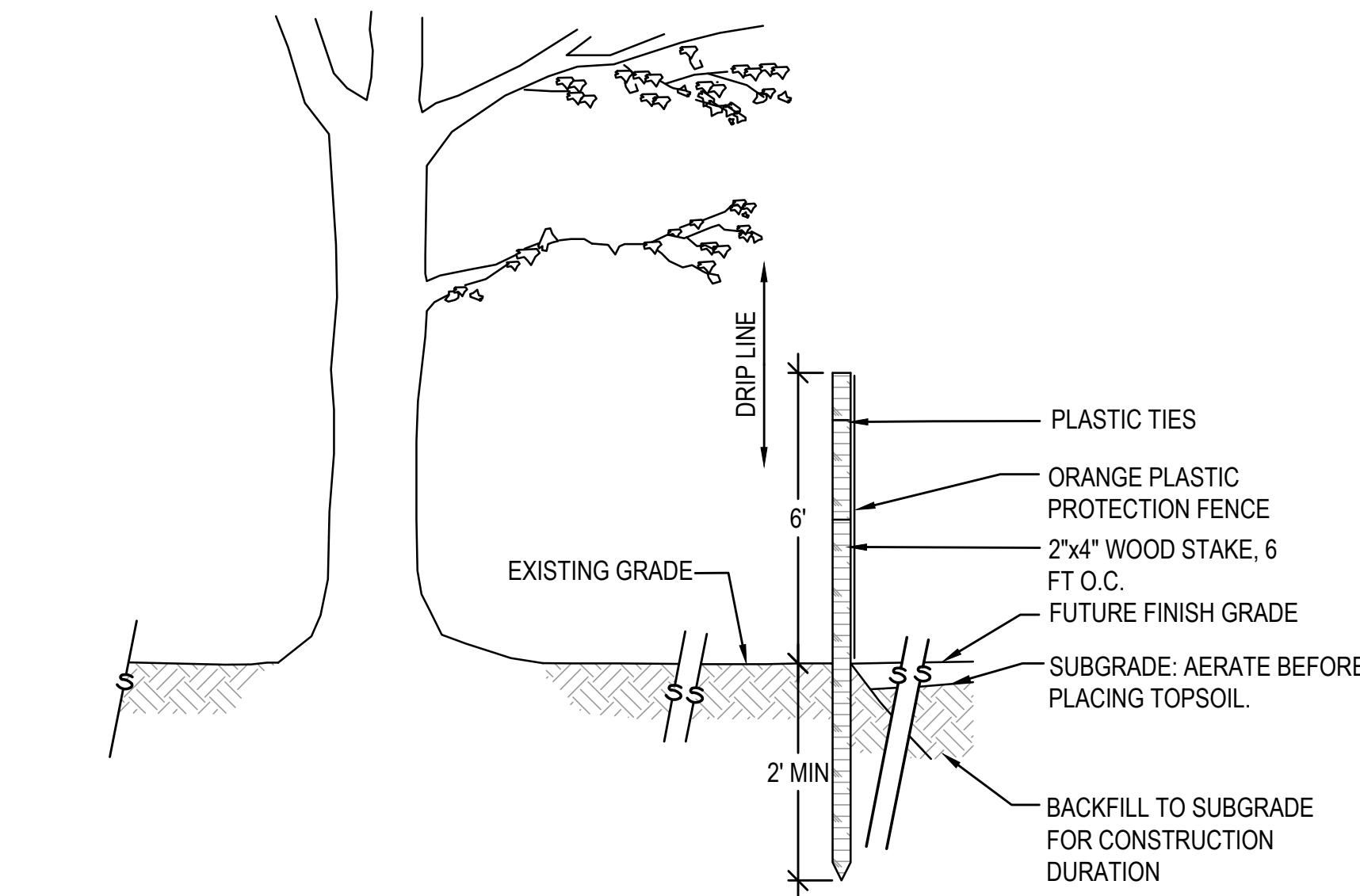
6 SILT SOCK EROSION CONTROL
N.T.S.



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



4 TEMPORARY CONSTRUCTION FENCE
N.T.S.



5 TREE PROTECTION AND BACKFILL MEASURES
N.T.S.



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PROJECT
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SOUTH HAMILTON, MA 01982
OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

2/13/2024	PEER REVIEW COMM.	KFR

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718601		
CADD FILE	718601_C500		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	N.T.S.		

GRAPHIC SCALE

SHEET TITLE

GENERAL DETAILS
SHEET 1 OF 8

DRAWING NO.

C501

20 OF 40

1

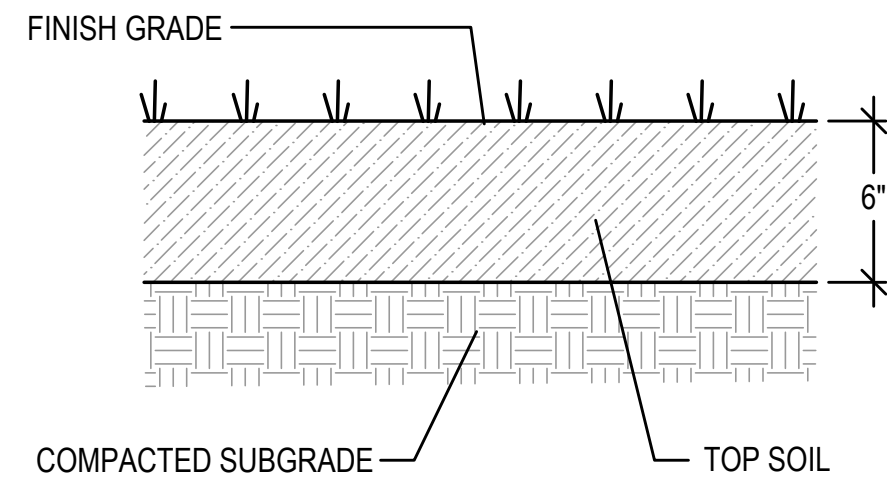
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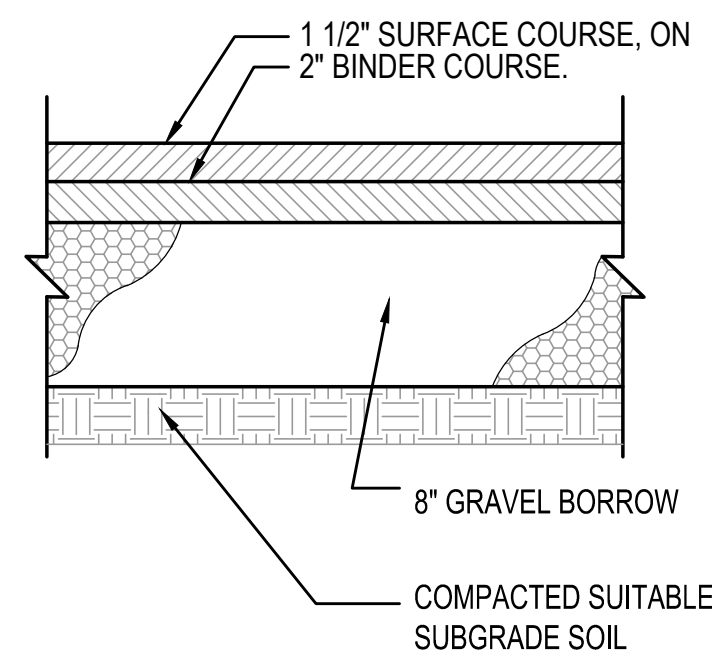
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5

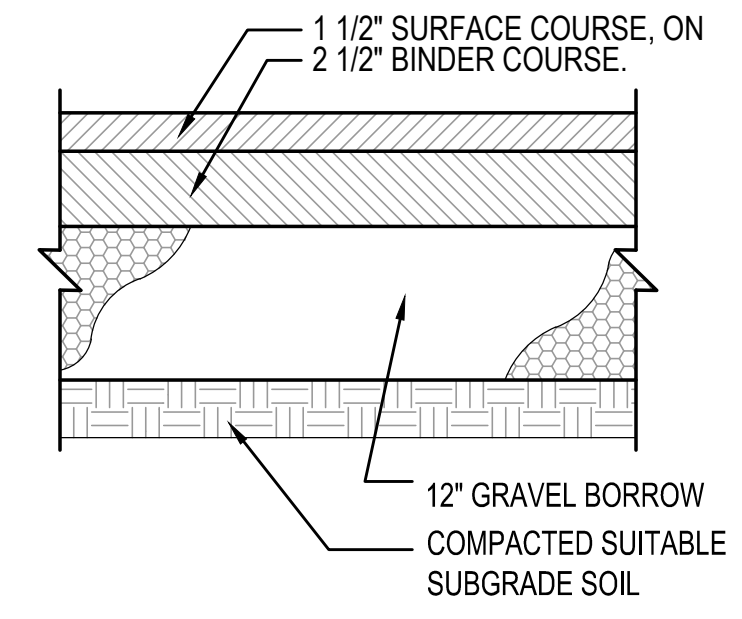
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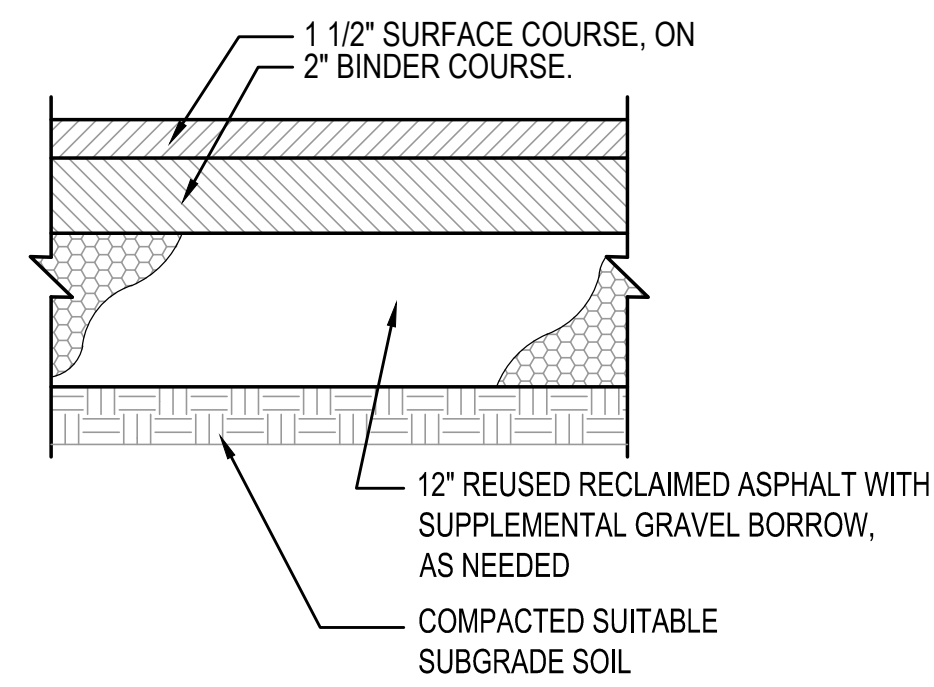
1 LOAM & SEED (DISTURBED AREAS)
N.T.S.



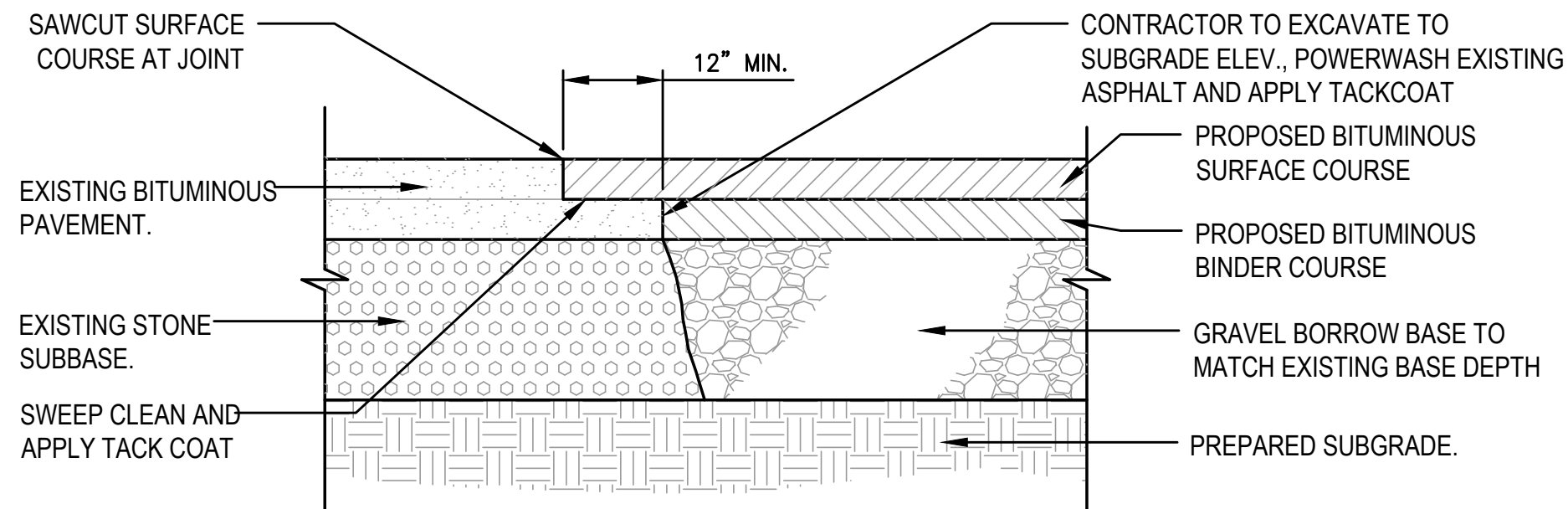
2 SIDEWALK PAVEMENT SECTION
N.T.S.



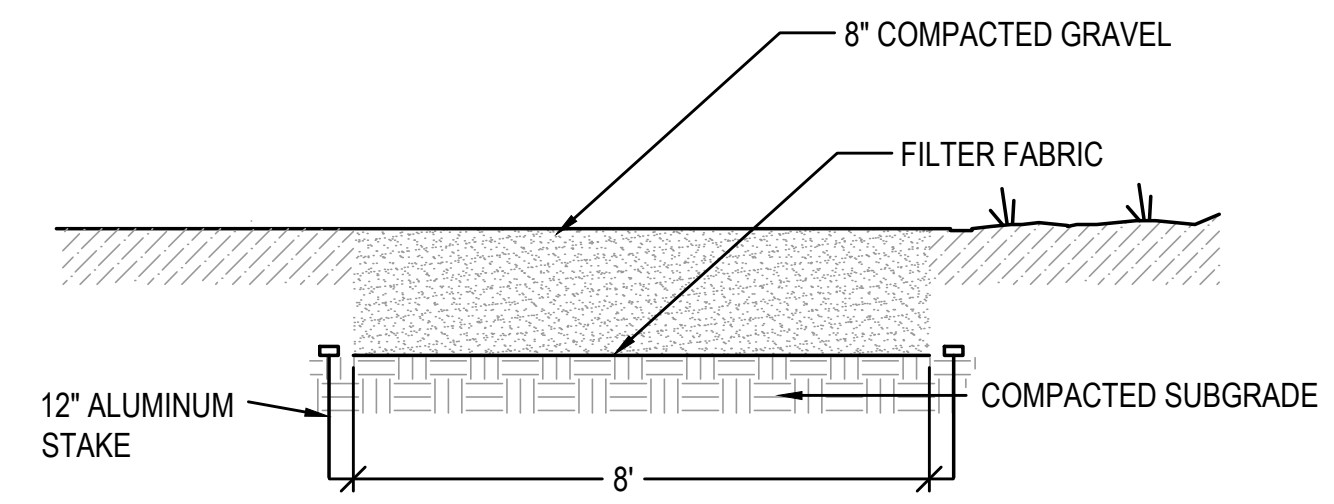
3 DRIVEWAY PAVEMENT SECTION
N.T.S.



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

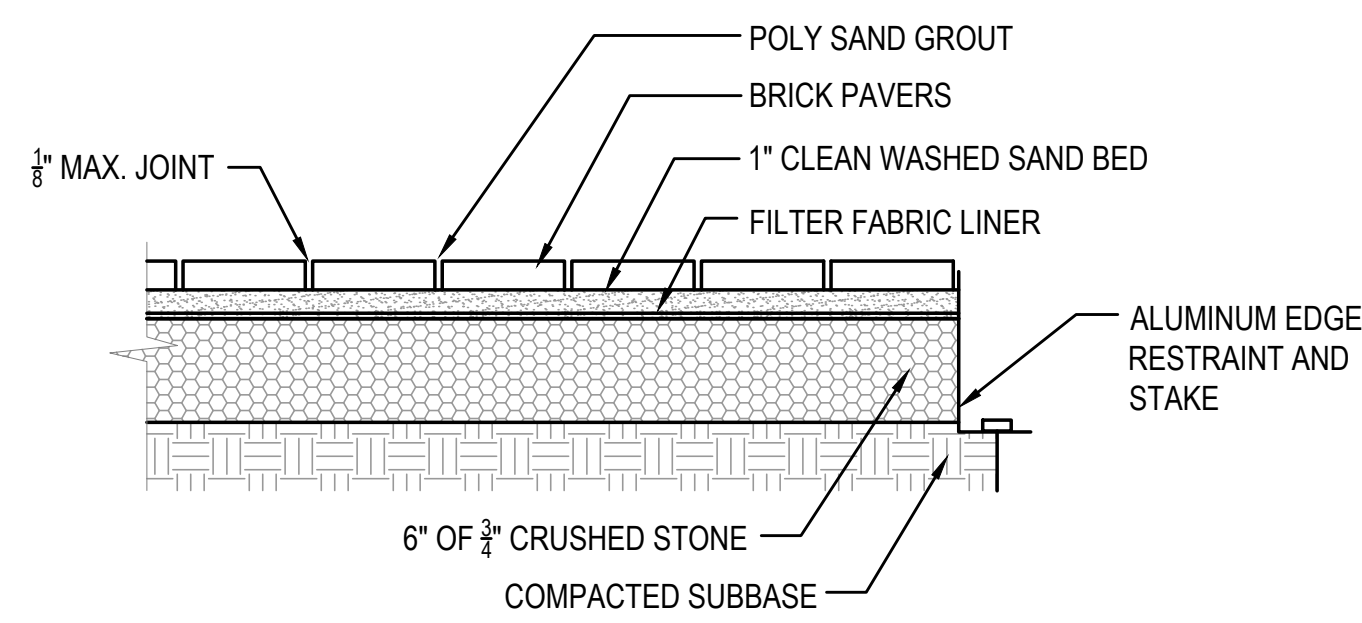


5 PAVEMENT JOINTING DETAIL
N.T.S.

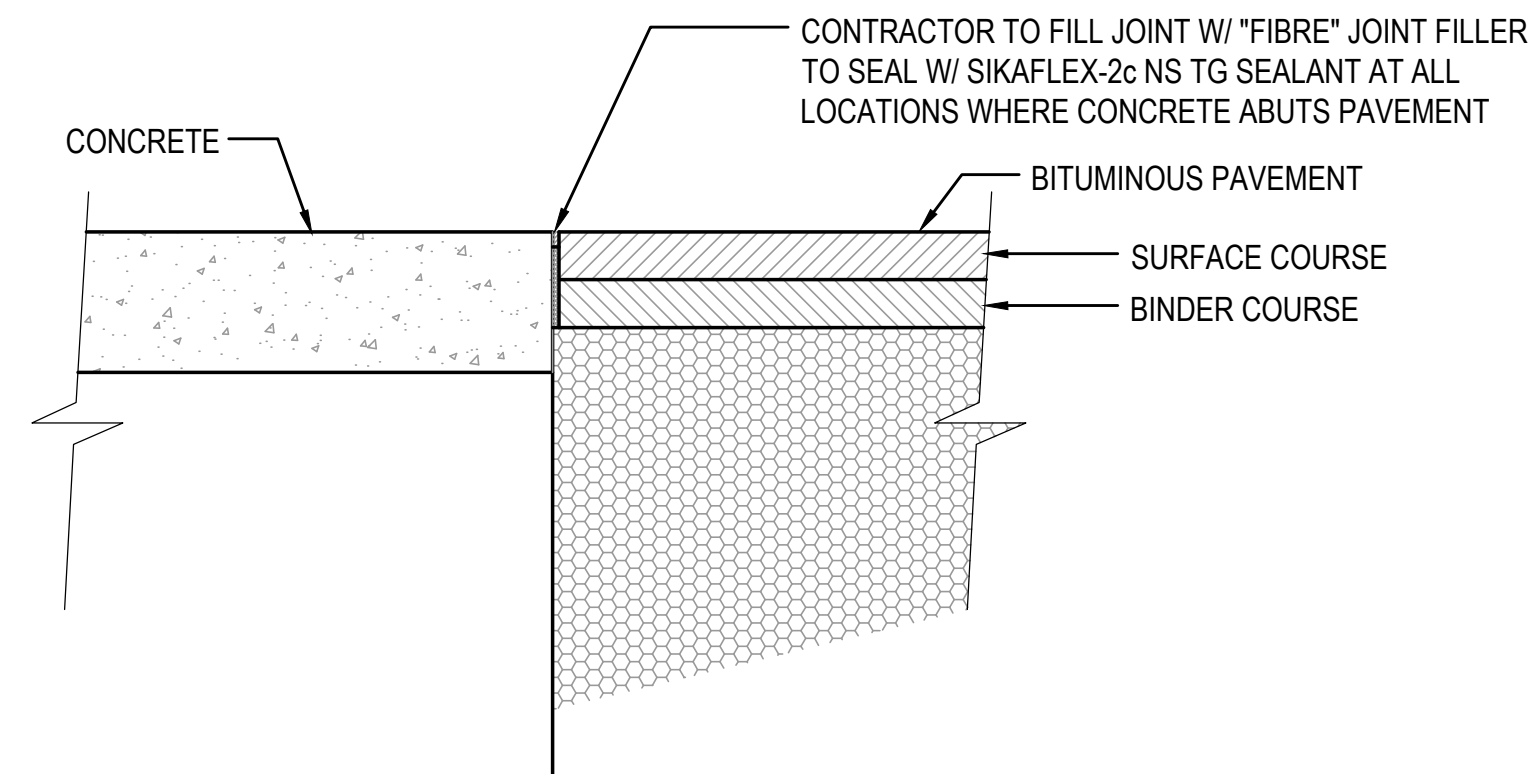


6 GRAVEL EMERGENCY ACCESS DRIVE
N.T.S.

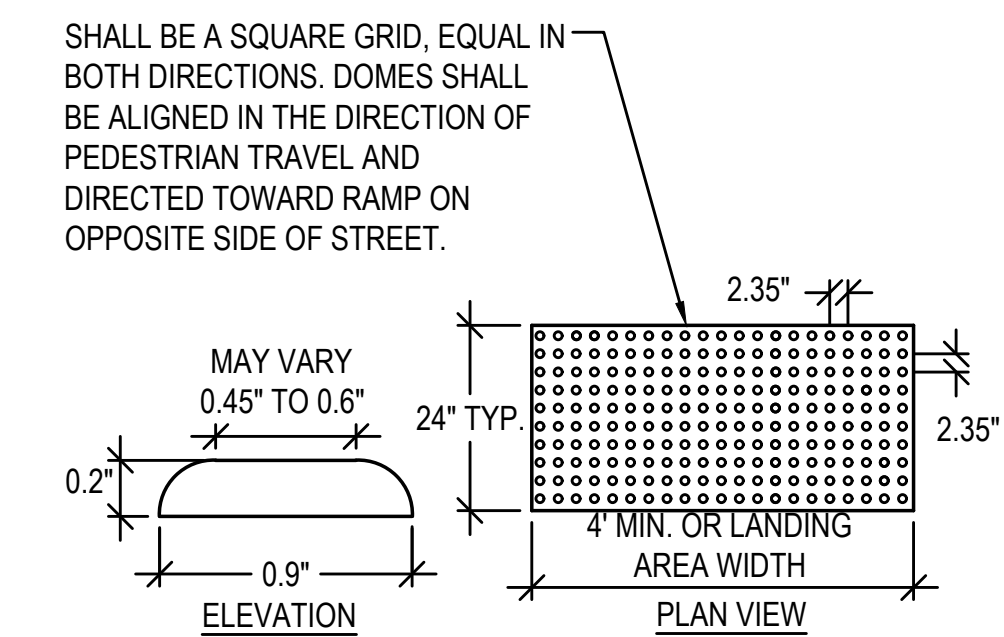
NOTE:
PATTERN AND COLORS TO BE
APPROVED BY OWNER PRIOR TO
INSTALLATION



7 BRICK PAVERS
N.T.S.



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



9 TACTILE WARNING STRIP
N.T.S.



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SOUTH HAMILTON, MA 01982
OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

2/13/2024	PEER REVIEW COMM.	KFR

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718601		
CADD FILE	718601_CS00		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	N.T.S.		

GRAPHIC SCALE

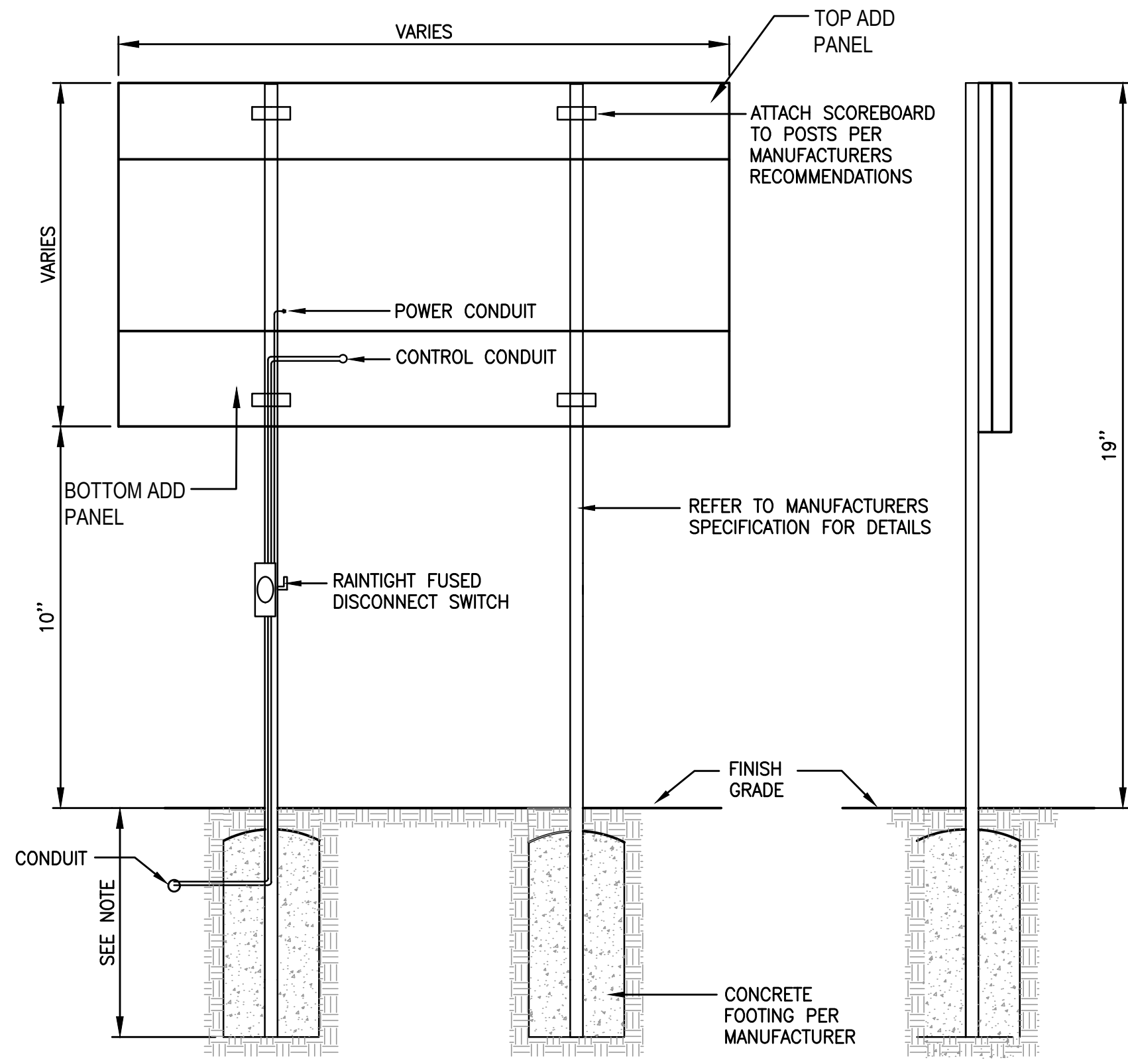
SHEET TITLE

GENERAL DETAILS
SHEET 2 OF 8

DRAWING NO.

C502

21 OF 40

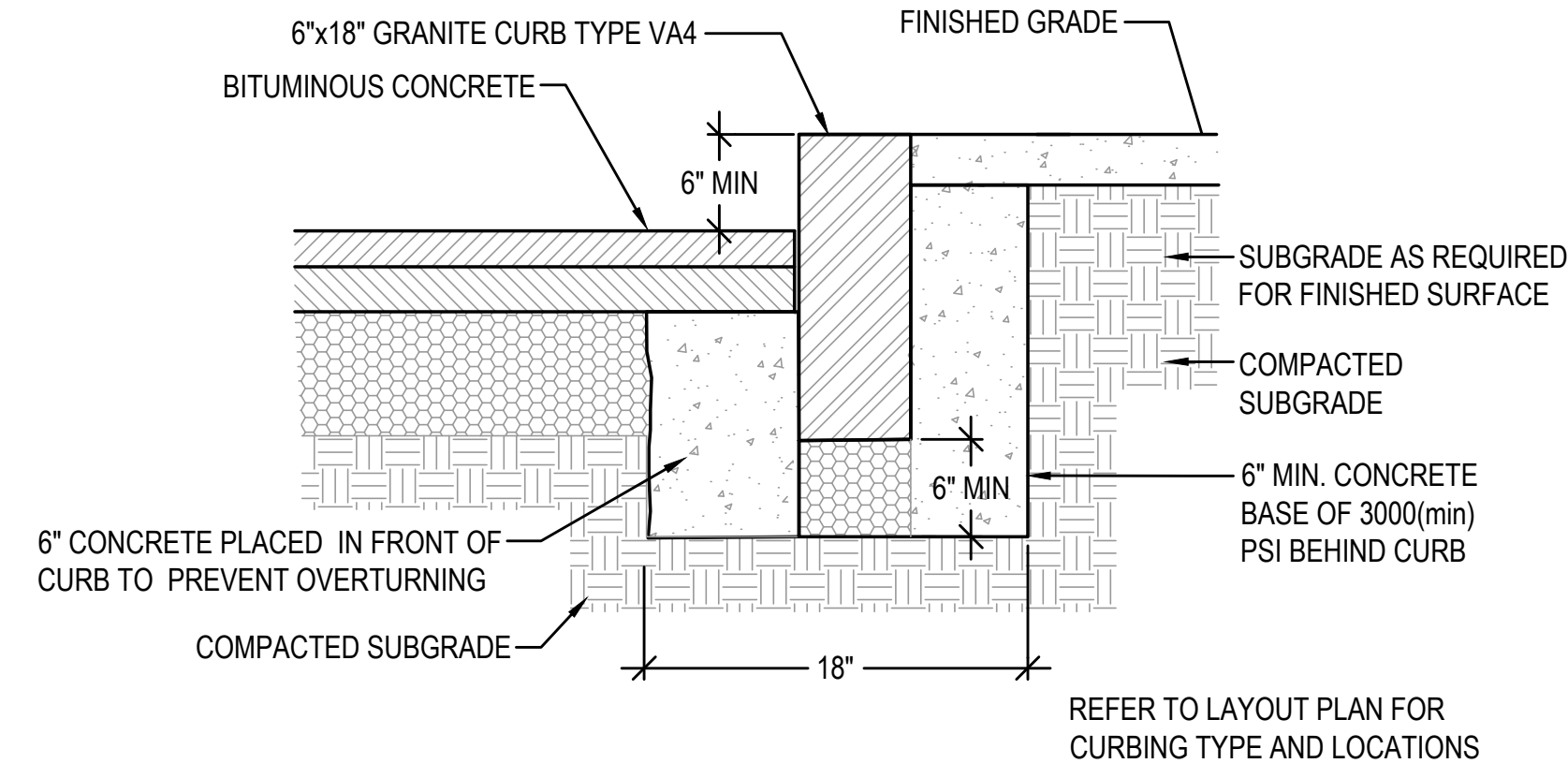


REAR VIEW

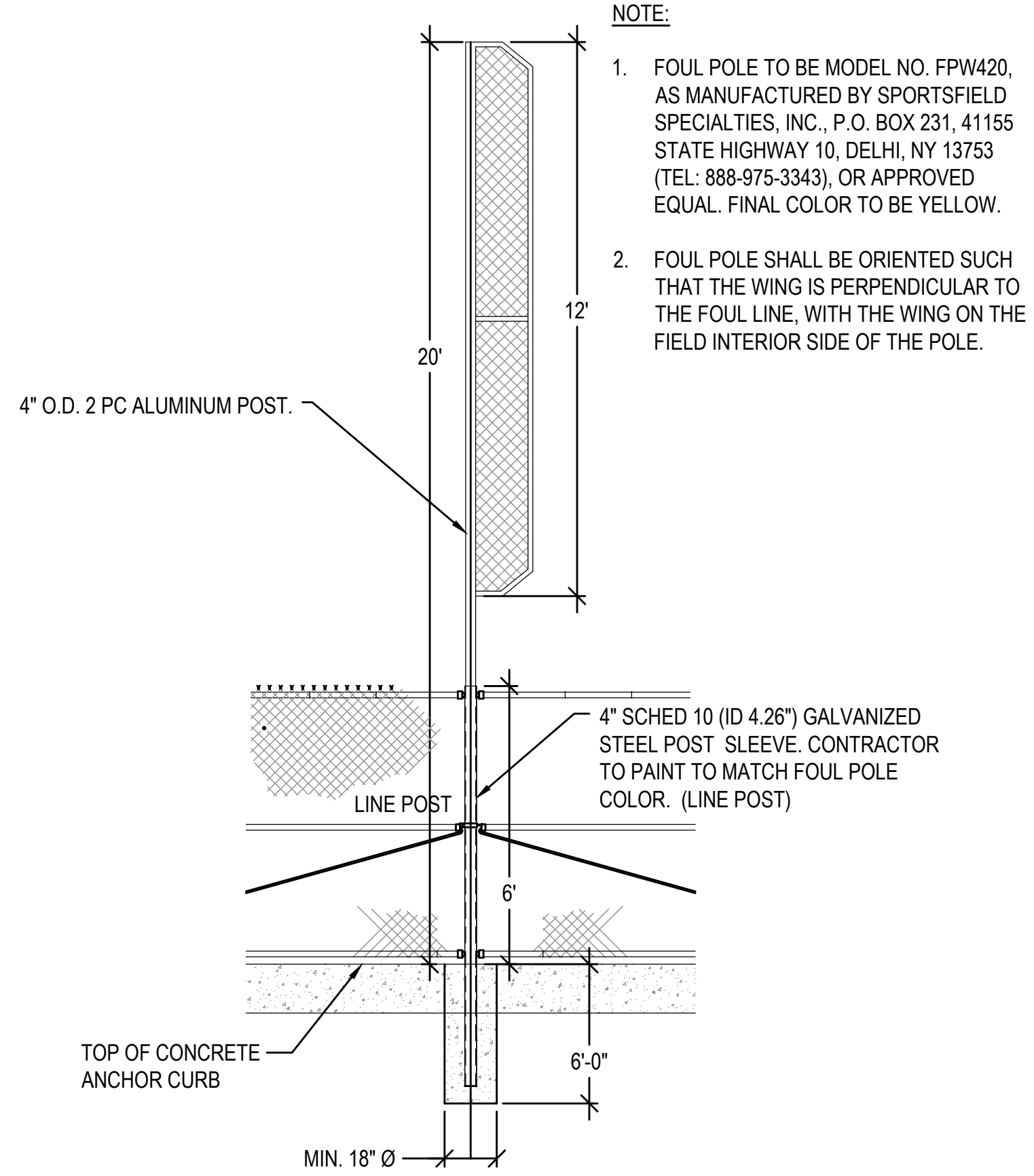
SIDE VIEW

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

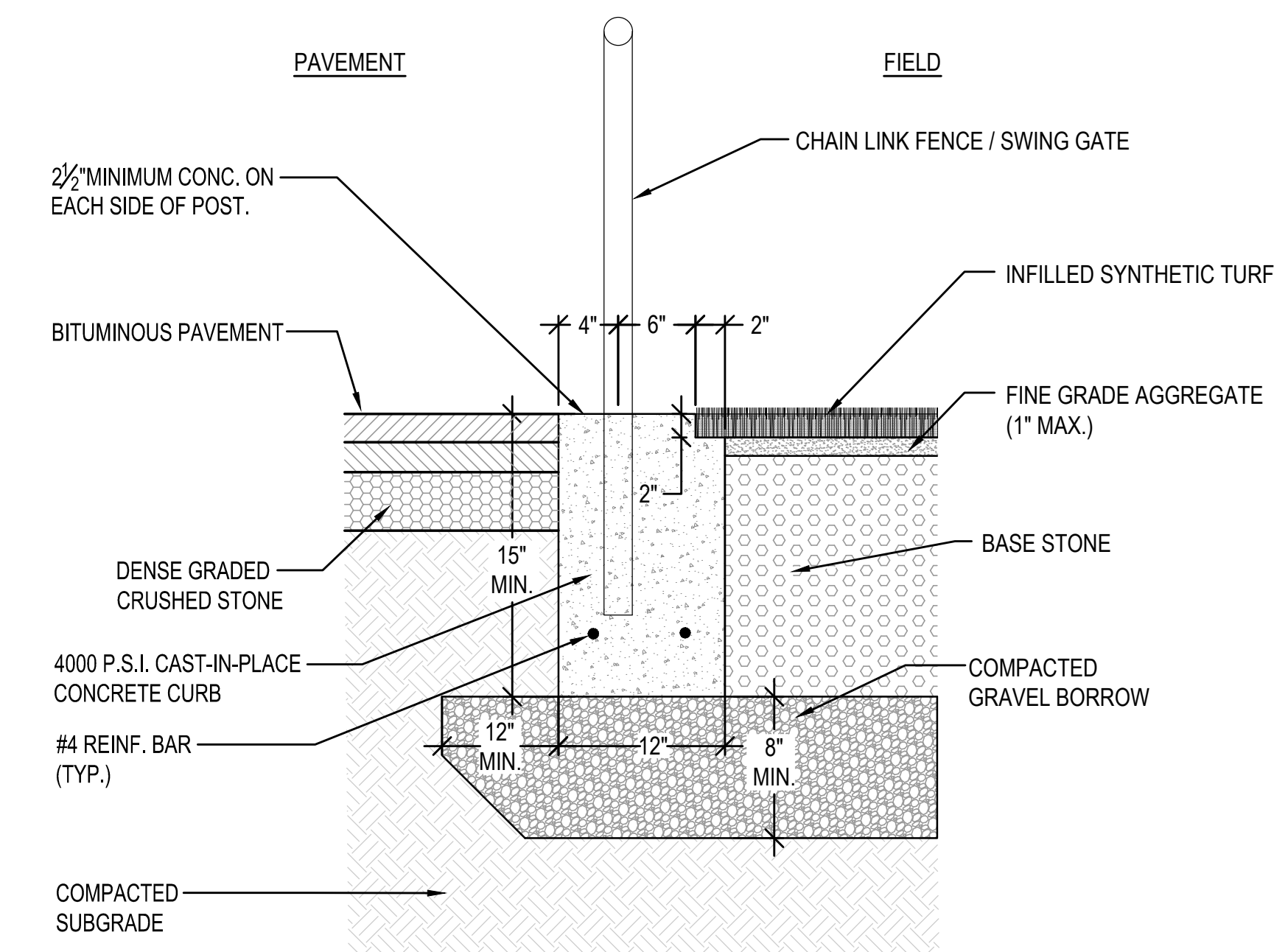
1 SCOREBOARD DETAIL
N.T.S.



2 VERTICAL GRANITE CURB (VGC)
N.T.S.

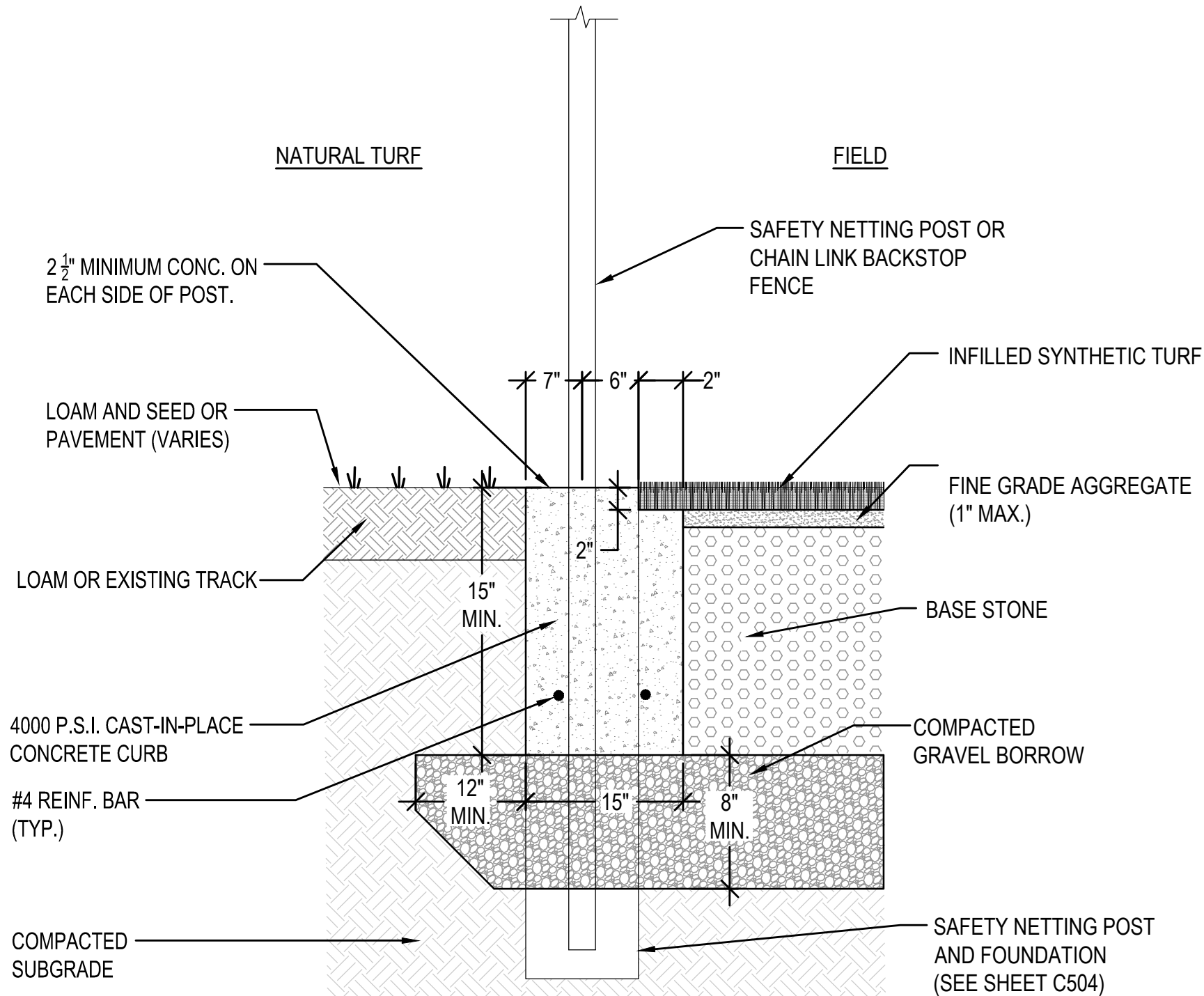


3 FOUL POLE
N.T.S.



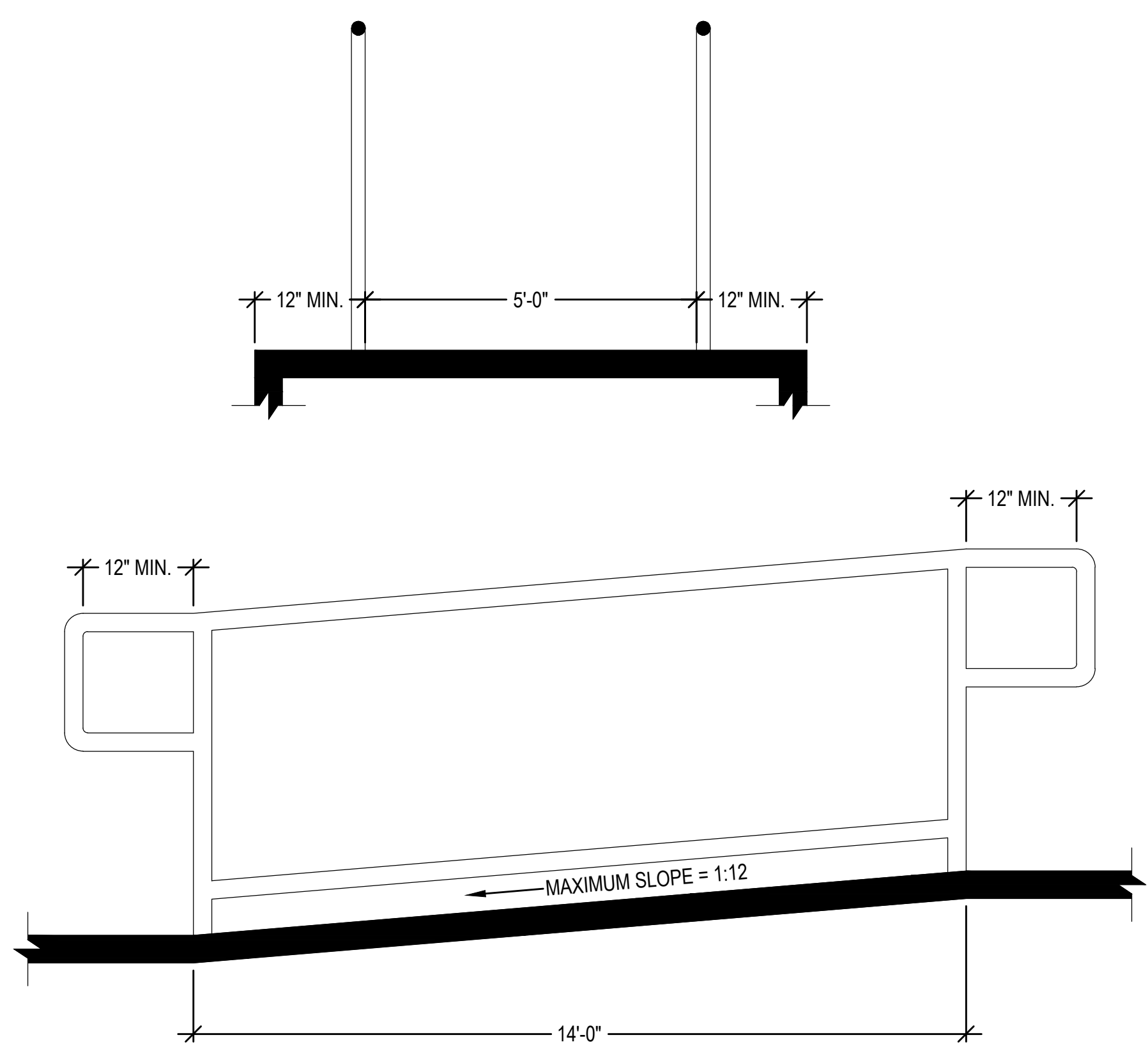
- NOTE:**
- SAWCUT CONTROL JOINT (1/8 INCH WIDTH X 1/4 INCH DEPTH) ON EACH SIDE OF POST.

4 CONCRETE ANCHOR CURB WITH CHAIN LINK FENCE AT TURF FIELD SECTION
N.T.S.



- NOTE:**
- SAWCUT CONTROL JOINT (1/8 INCH WIDTH X 1/4 INCH DEPTH) ON EACH SIDE OF POST.
 - CONTRACTOR SHALL PROVIDE FOUNDATION DESIGN STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MASSACHUSETTS PRIOR TO INSTALLATION.

5 CONCRETE ANCHOR CURB WITH SAFETY NET POLE / CHAIN LINK BACKSTOP AT TURF FIELD SECTION
N.T.S.



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

6 HANDICAP ACCESSIBLE RAMP
N.T.S.

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SOUTH HAMILTON, MA 01982**

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

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718601		
CADD FILE	718601_C500		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	N.T.S.		

GRAPHIC SCALE

SHEET TITLE
**GENERAL DETAILS
SHEET 3 OF 8**

DRAWING NO.
C503

22 OF 40

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"

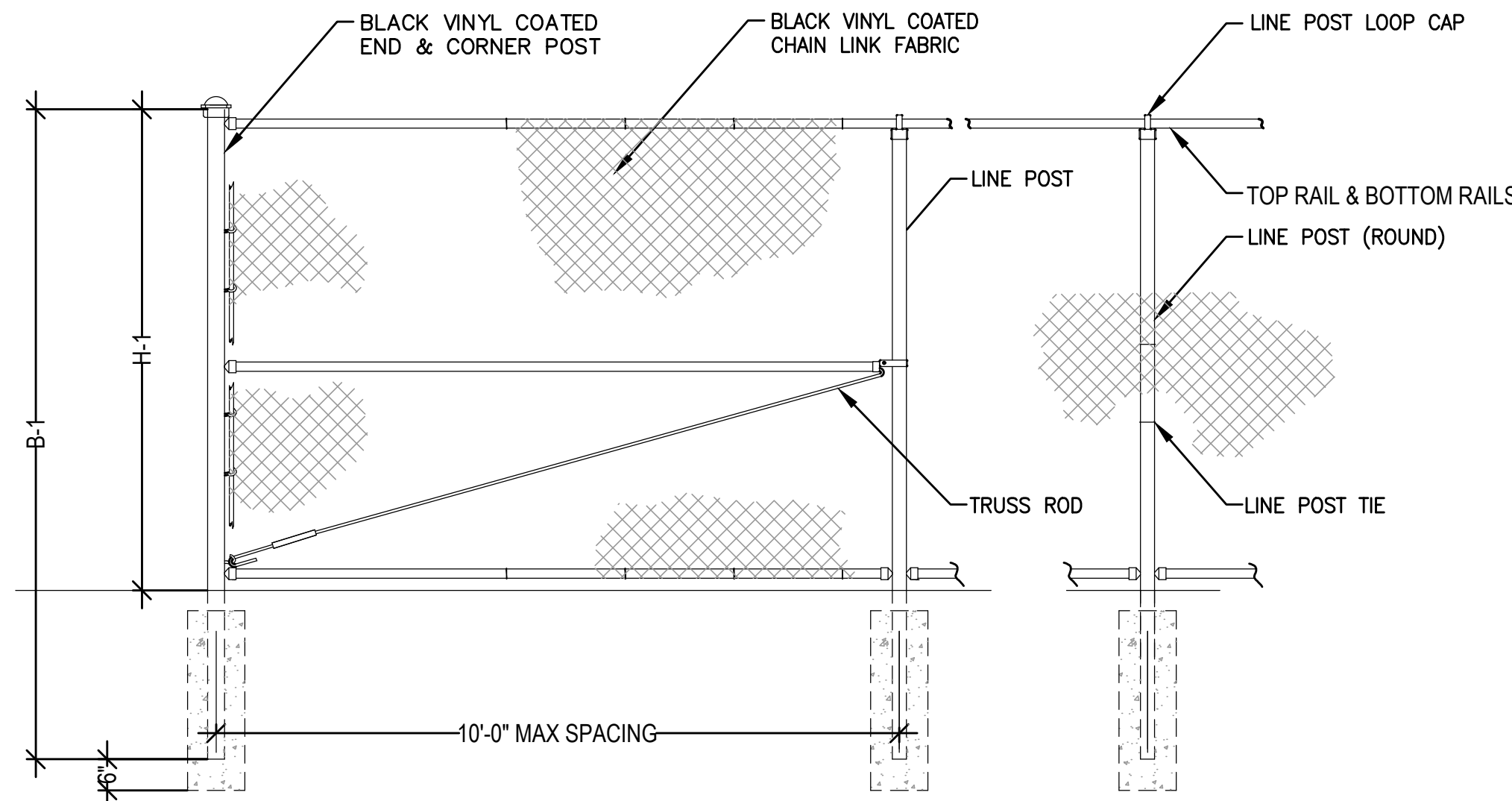
SINGLE LEAF GATES		
OPENING	GATE POSTS	HINGE SPACE (S)
FACE TO FACE	SQ & RND SIZES	POST TO UPRIGHT
3'-0" THROUGH 6'-0"	2 1/2" SQ. OR 2 7/8" O.D.	FOR SQUARE & ROUND GATE POSTS: 2 1/4" [57MM]

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]

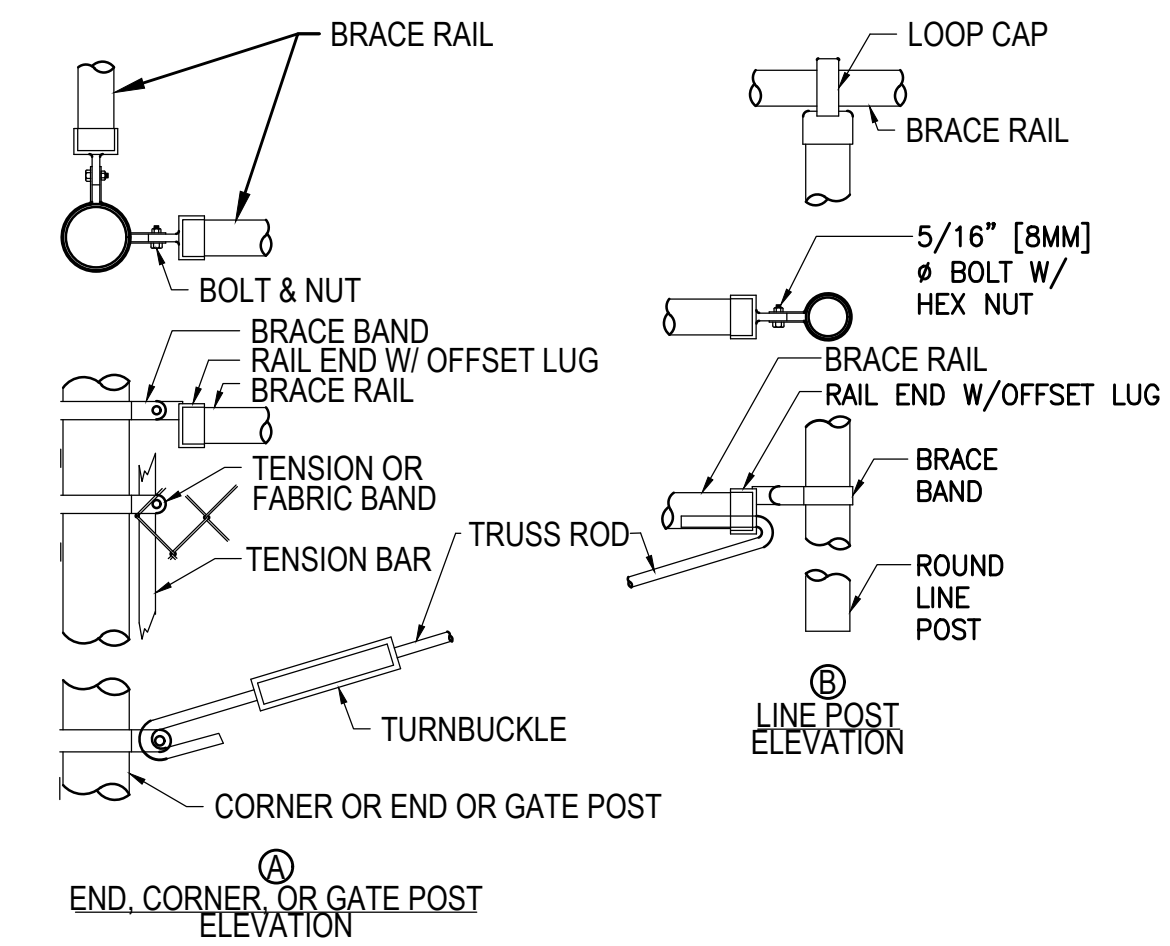
NOTES:

- 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.

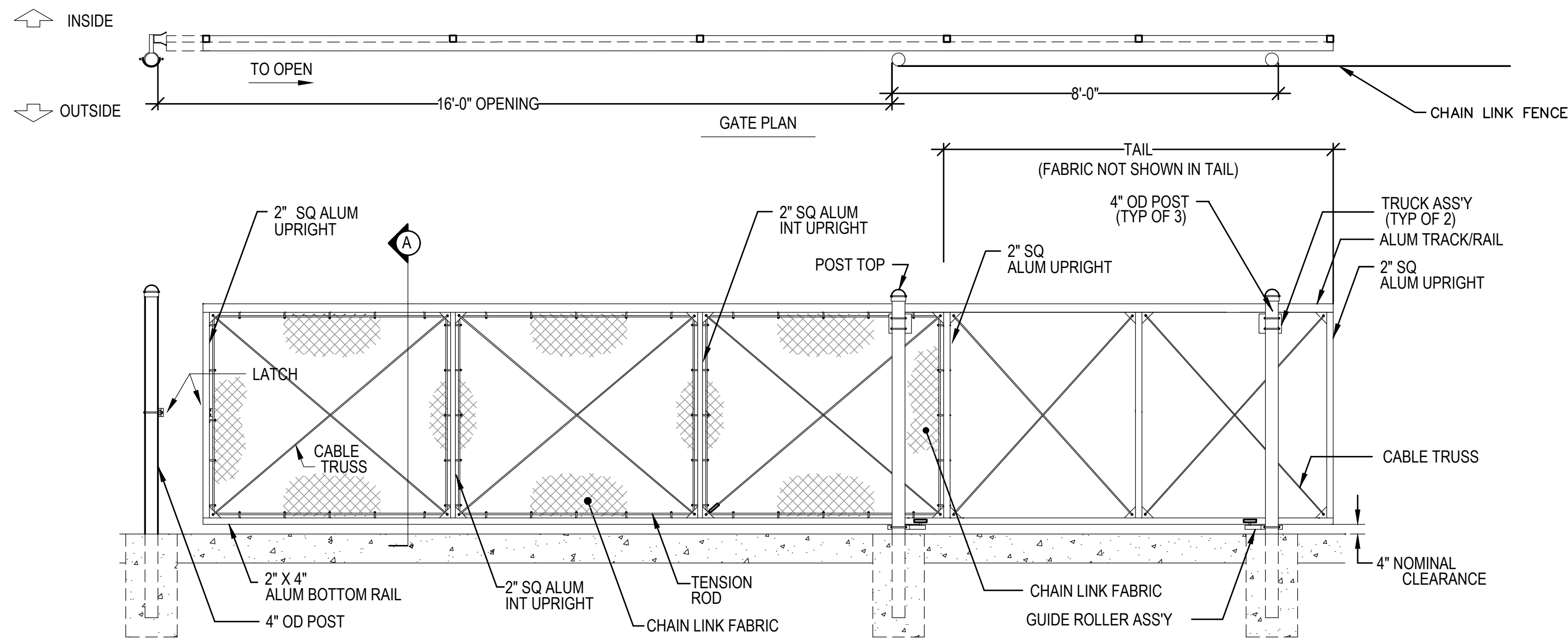
1 CHAIN LINK FENCE AND GATE NOTES
N.T.S.



2 CHAIN LINK FENCE
N.T.S.



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

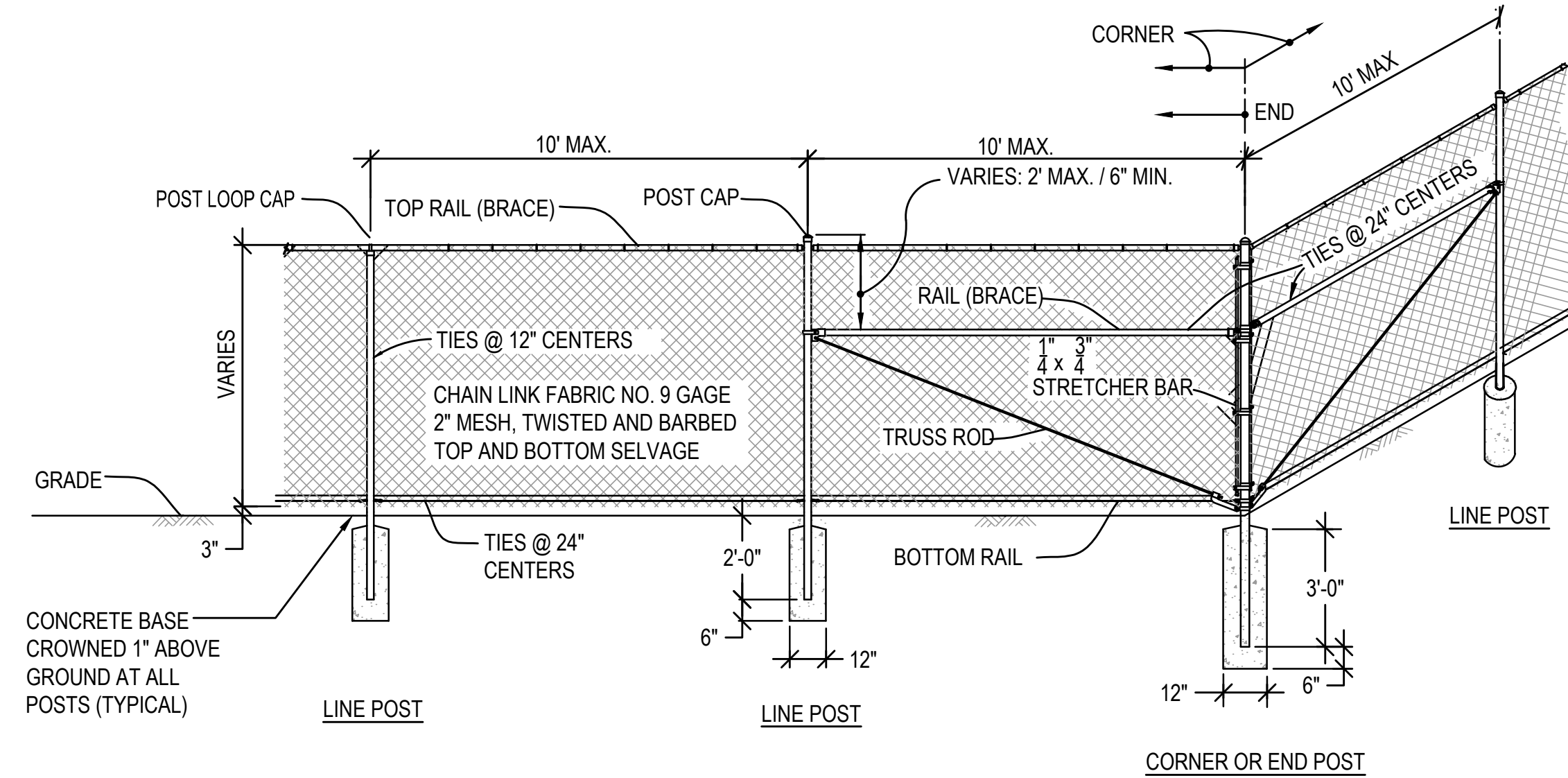


NOTES:

- 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.
- TOP OF CONCRETE FOOTING SHALL BE 6" BELOW FINISHED GRADE.

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



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PROJECT
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SOUTH HAMILTON, MA 01982

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

2/13/2024	PEER REVIEW COMM.	KFR	
NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718601		
CADD FILE	718601_C500		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	N.T.S.		

GRAPHIC SCALE

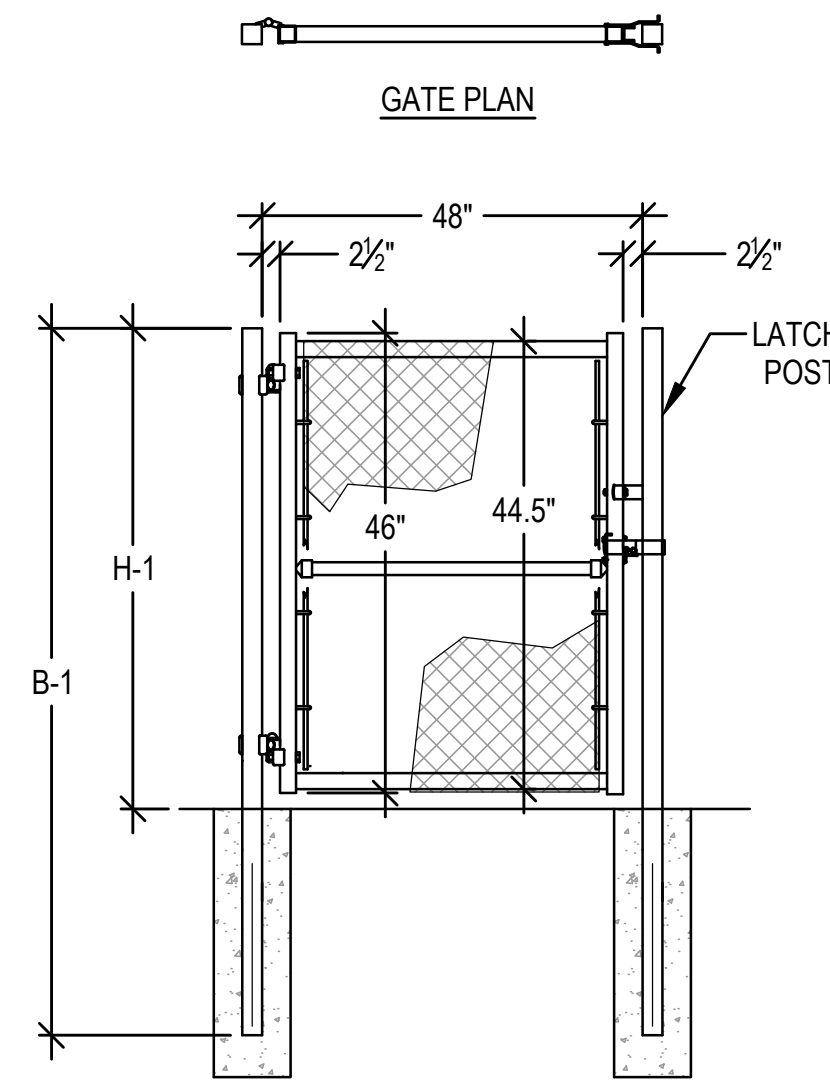
SHEET TITLE

GENERAL DETAILS
SHEET 4 OF 8

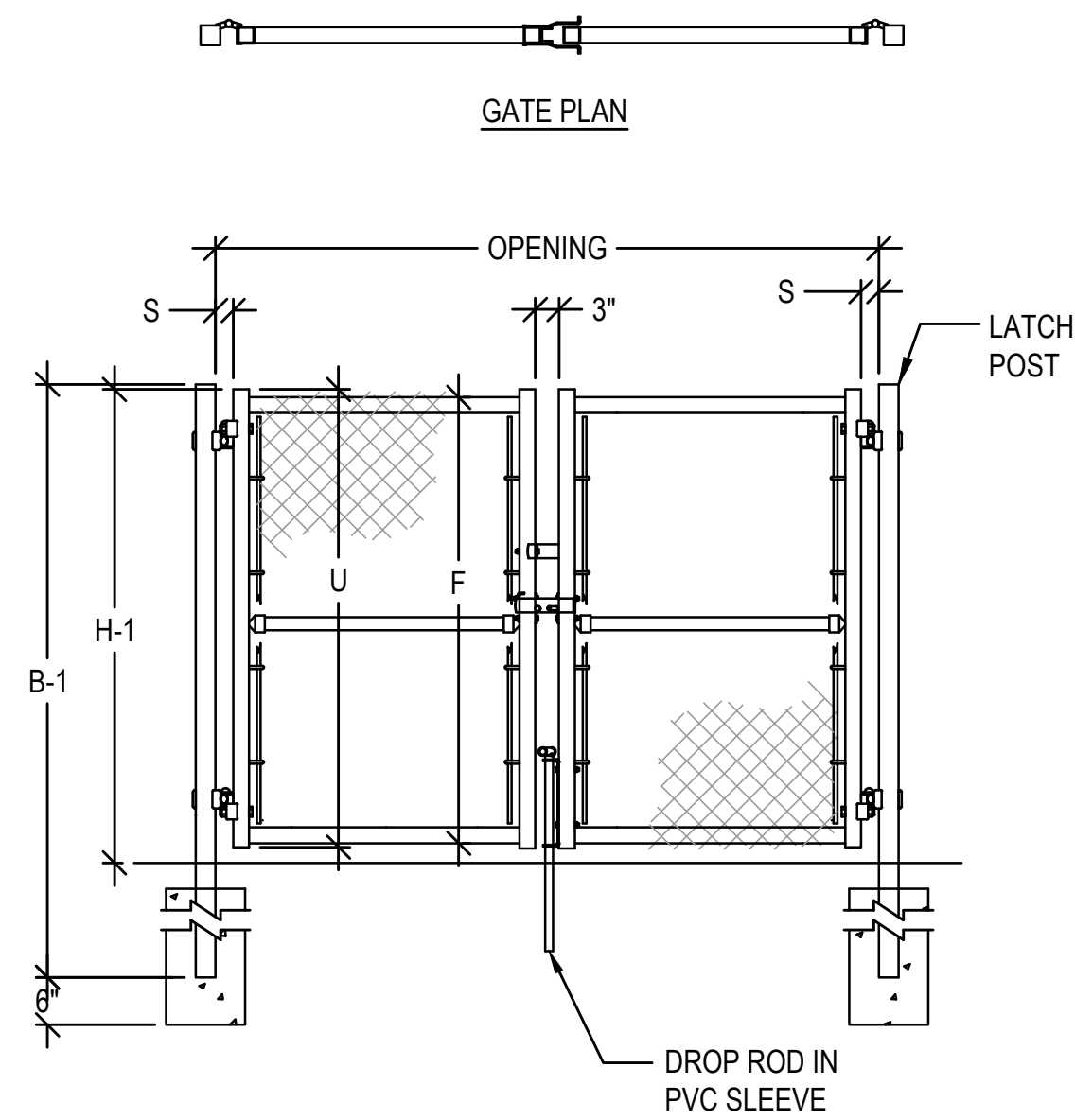
DRAWING NO.

C504

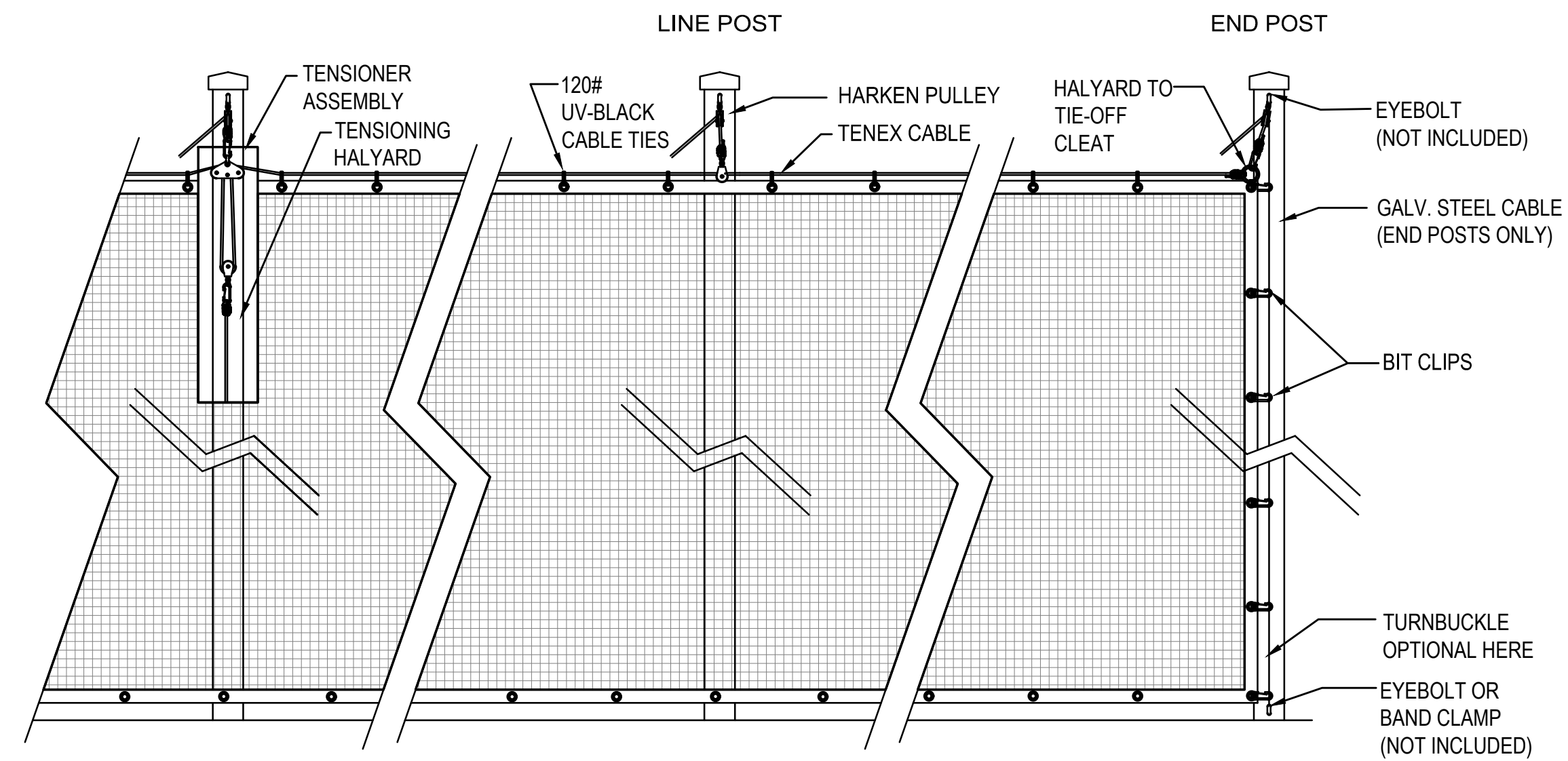
23 OF 40



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

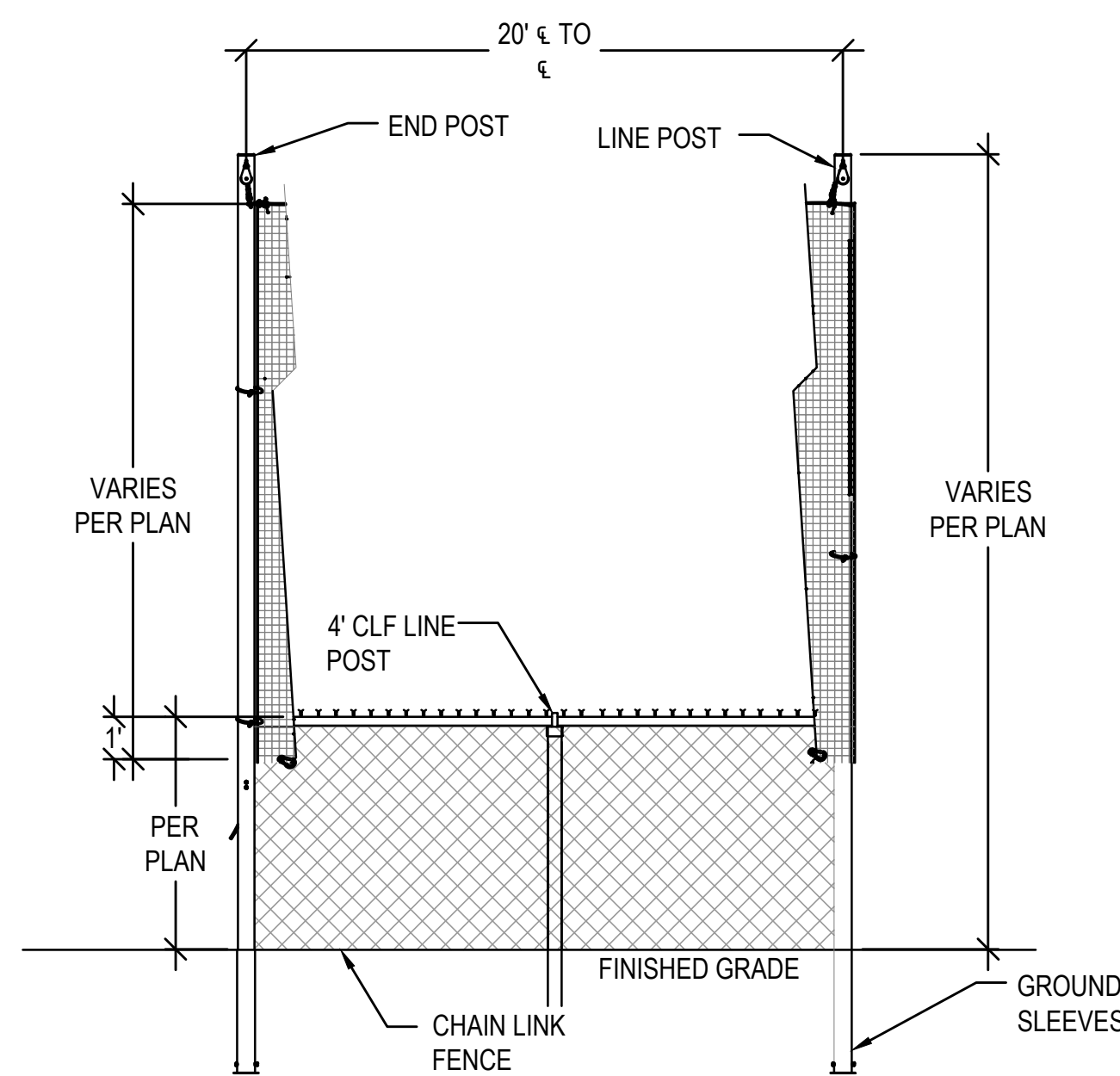


2 DOUBLE GATE DETAIL
N.T.S.



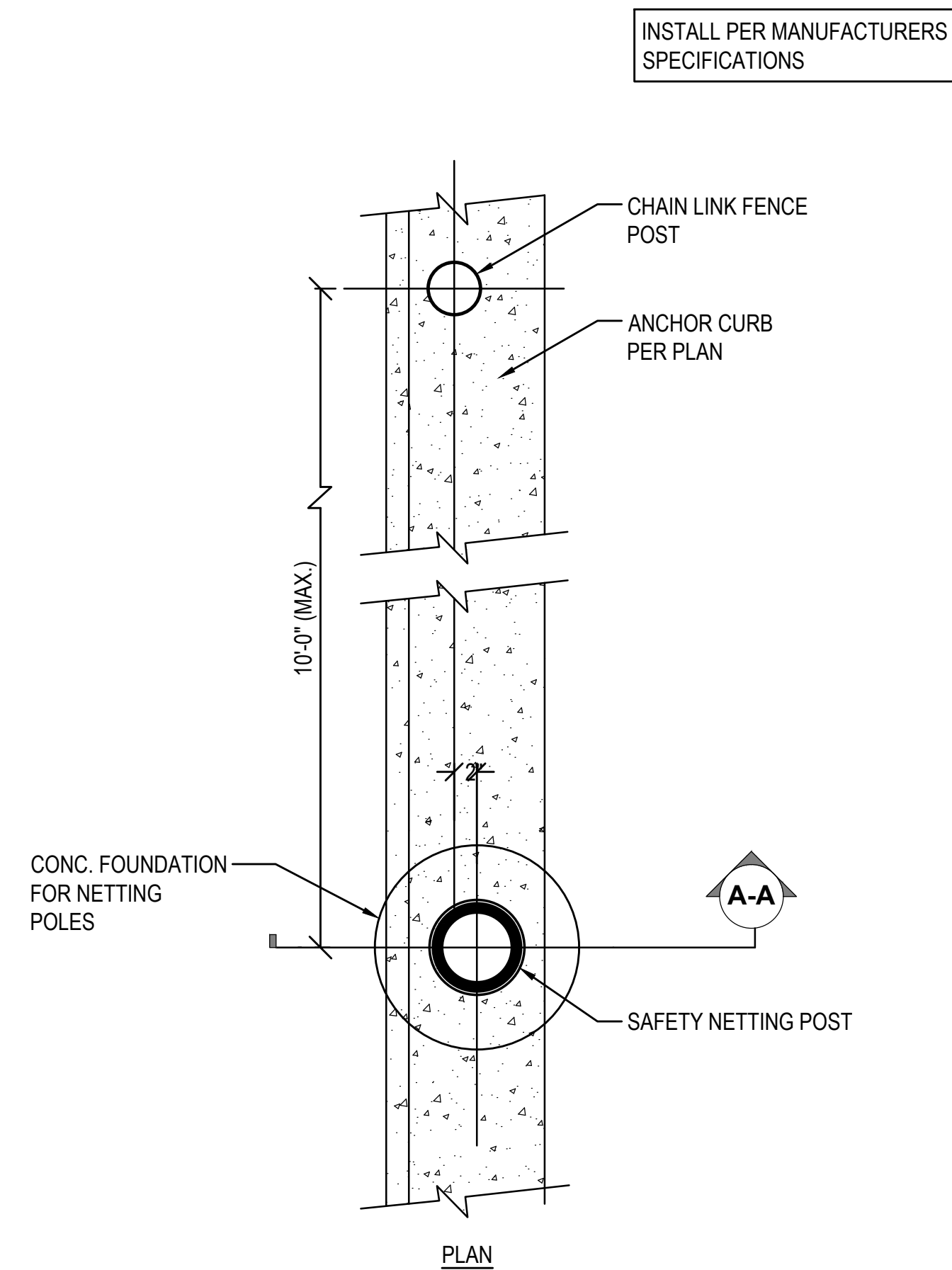
- NOTES:**
- #504 KNOTLESS NYLON ~ 180-LB. BREAK STRENGTH
 - 1-3/4" SQUARE MESH BLACK - UV TREATED
 - VINYL HEMS AND GROMMETS SPACED EVERY FOOT ON ALL SIDES OF EACH PANEL
 - POST SHALL BE 4.00" OD ALUMINUM BLACK VINYL COATED SPACED 20' O.C. AND END POSTS SHALL BE 3.50" SCH. 40 STEEL BLACK VINYL COATED.
 - THE HALYARDS SHALL BE RUN DOWN THE FIELD SIDE OF THE NET TO HOLD THE NET AGAINST THE POSTS TO MINIMIZE BILLOWING OUR FROM THE WIND.

3 SAFETY NETTING SYSTEM
N.T.S.

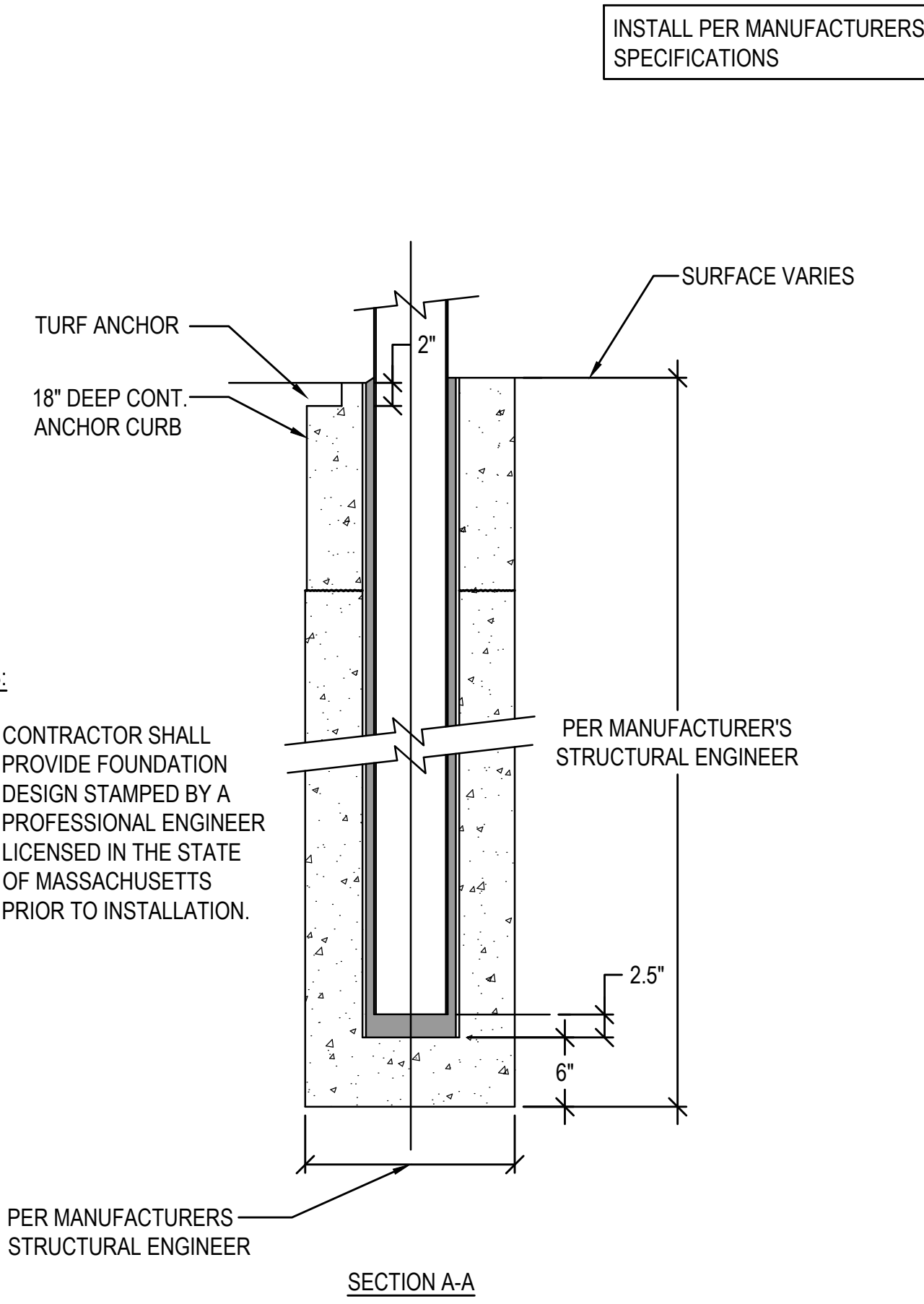


- NOTES:**
- NETTING SHALL OVERLAP WITH THE CHAIN LINK FENCE A MINIMUM OF 1-FOOT AND SHALL BE SECURED TO THE FENCING FABRIC WITH QUICK CLIP SPRING HOOKS.
 - NETTING SHALL OVERLAP THE CHAIN LINK FENCE ON THE PLAYING FIELD SIDE OF THE FENCE FABRIC.

4 FENCING AND SAFETY NETTING
N.T.S.

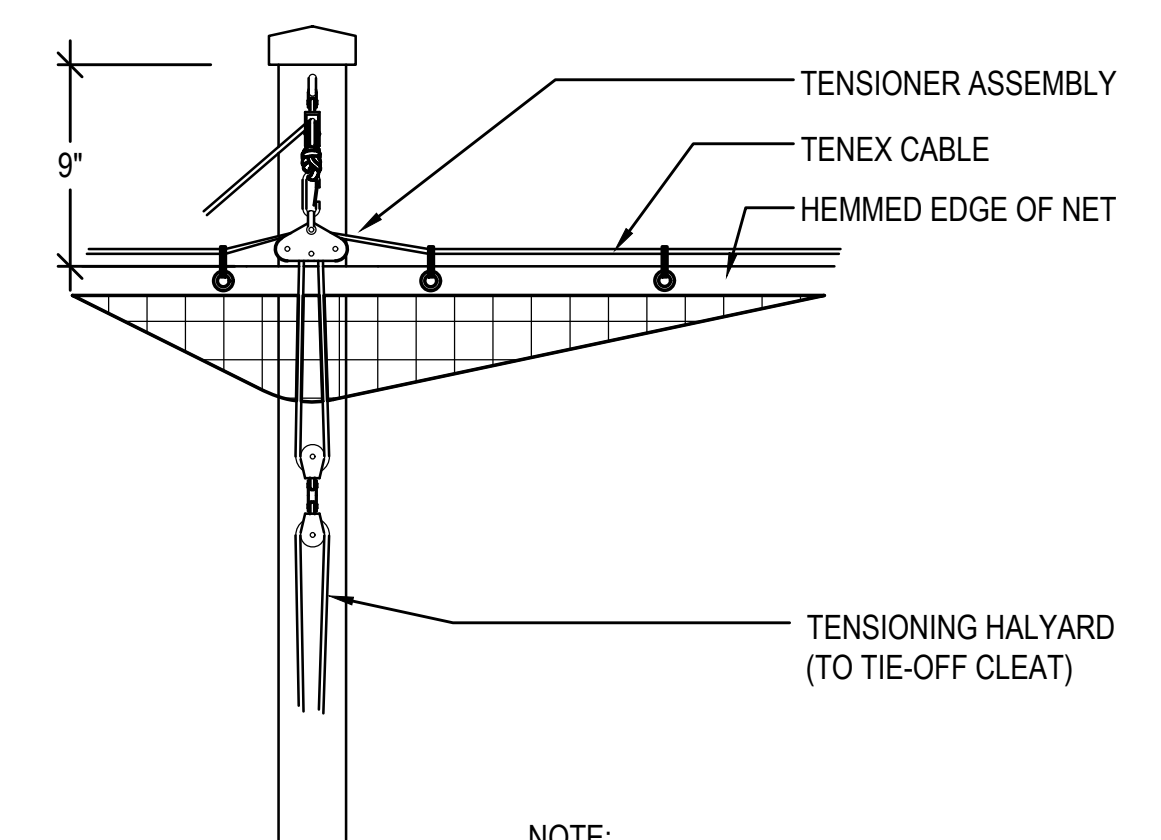


5 SAFETY NETTING POST FOUNDATION DETAIL
N.T.S.



- 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.



NOTE:
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.



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775 BAY ROAD
SOUTH HAMILTON, MA 01982

OWNER:
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
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2/13/2024	PEER REVIEW COMM.	KFR

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718601		
CADD FILE	718601_C500		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	N.T.S.		

GRAPHIC SCALE

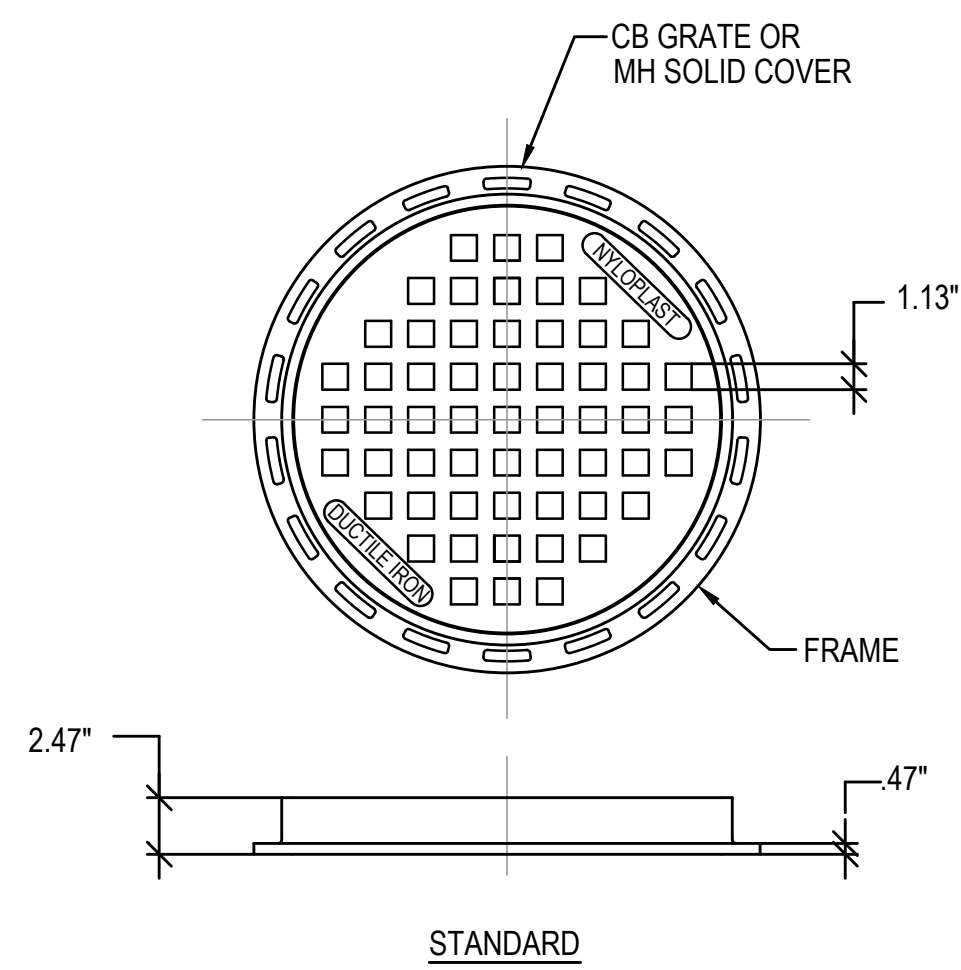
SHEET TITLE

GENERAL DETAILS
SHEET 5 OF 8

DRAWING NO.

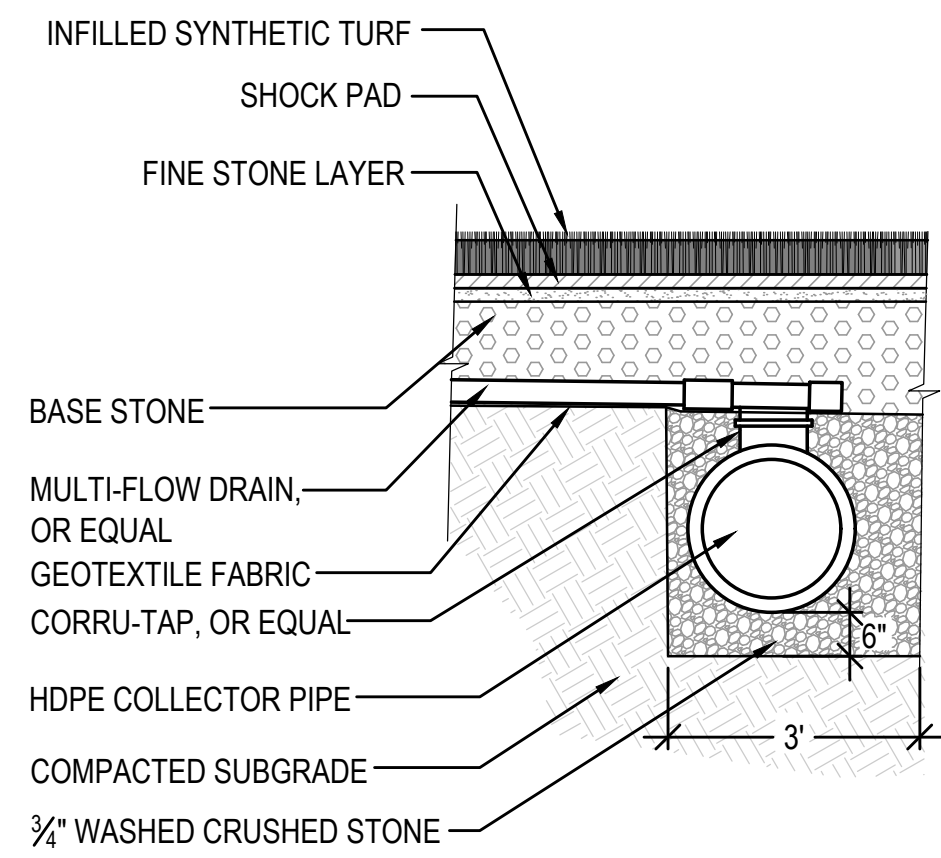
C505

24 OF 40

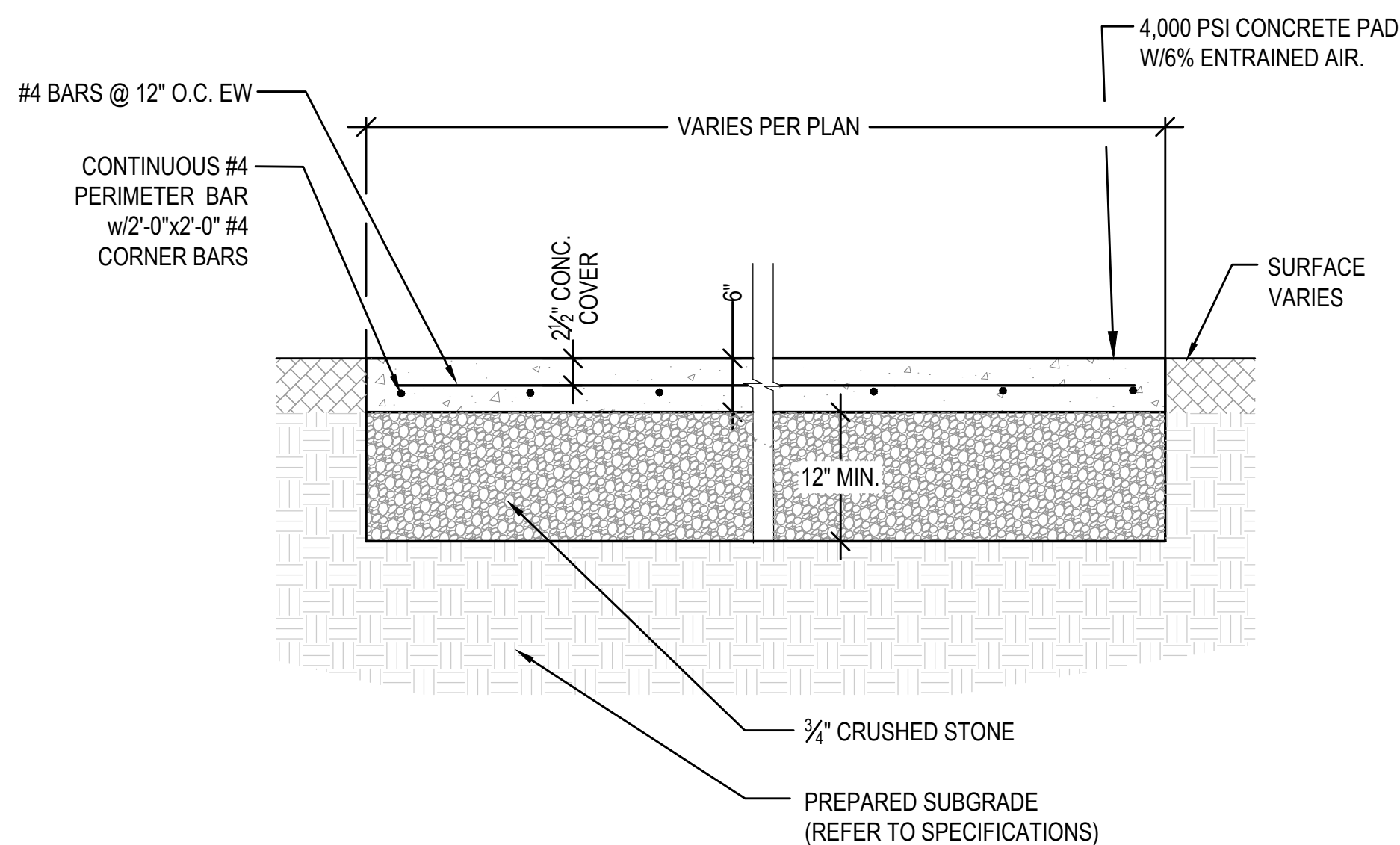


- NOTES:**
- STANDARD MANHOLE SOLID COVER HAS H-25 HEAVY DUTY RATING
 - STANDARD CATCH BASIN GRATE HAS H-25 HEAVY DUTY RATING
 - QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
 - MATERIAL: DUCTILE IRON
 - PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT
 - LOCKING DEVICE 5/16-18 ZINC GOLD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

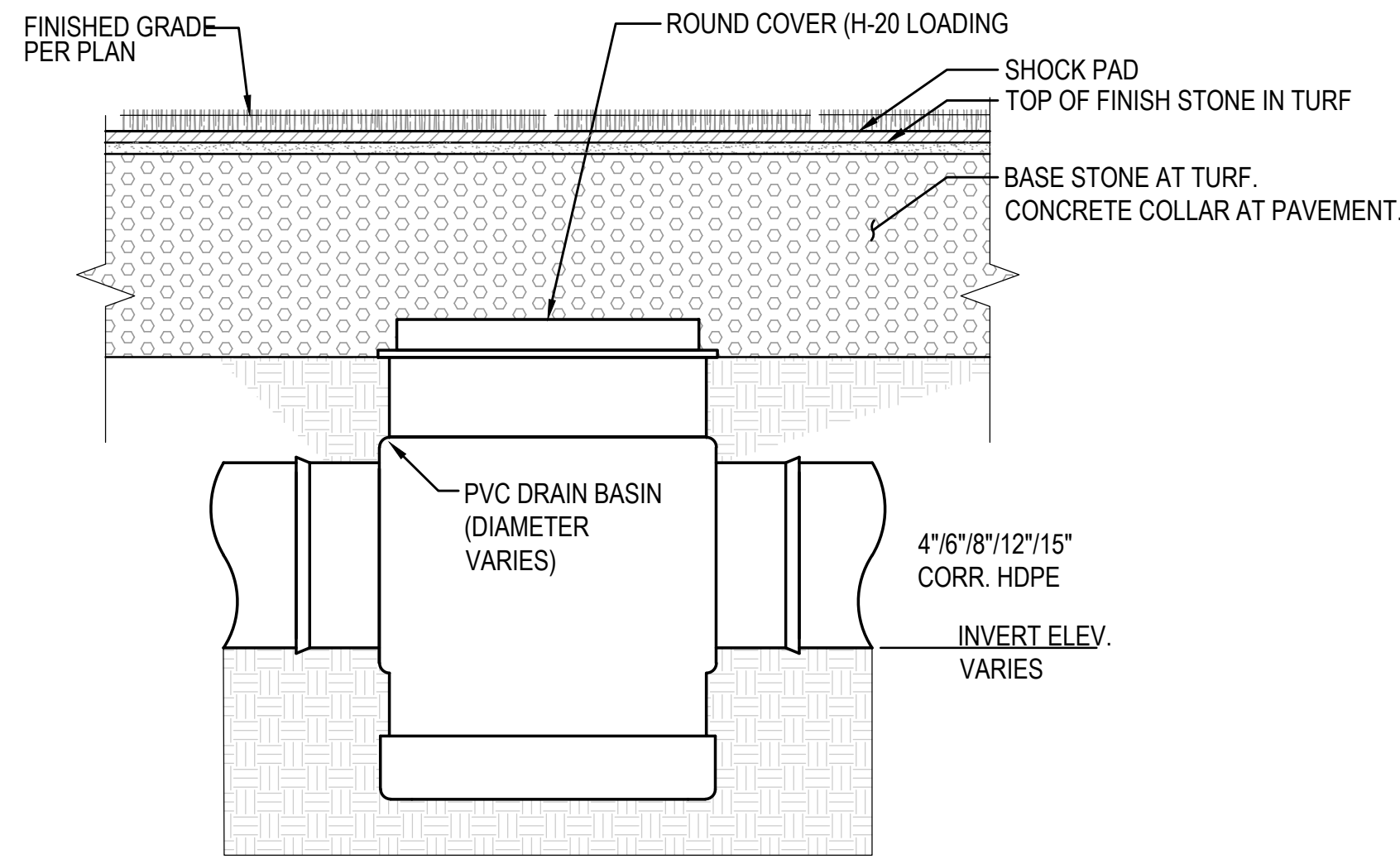
1 NYOPLAST MH/CB COVER
N.T.S.



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

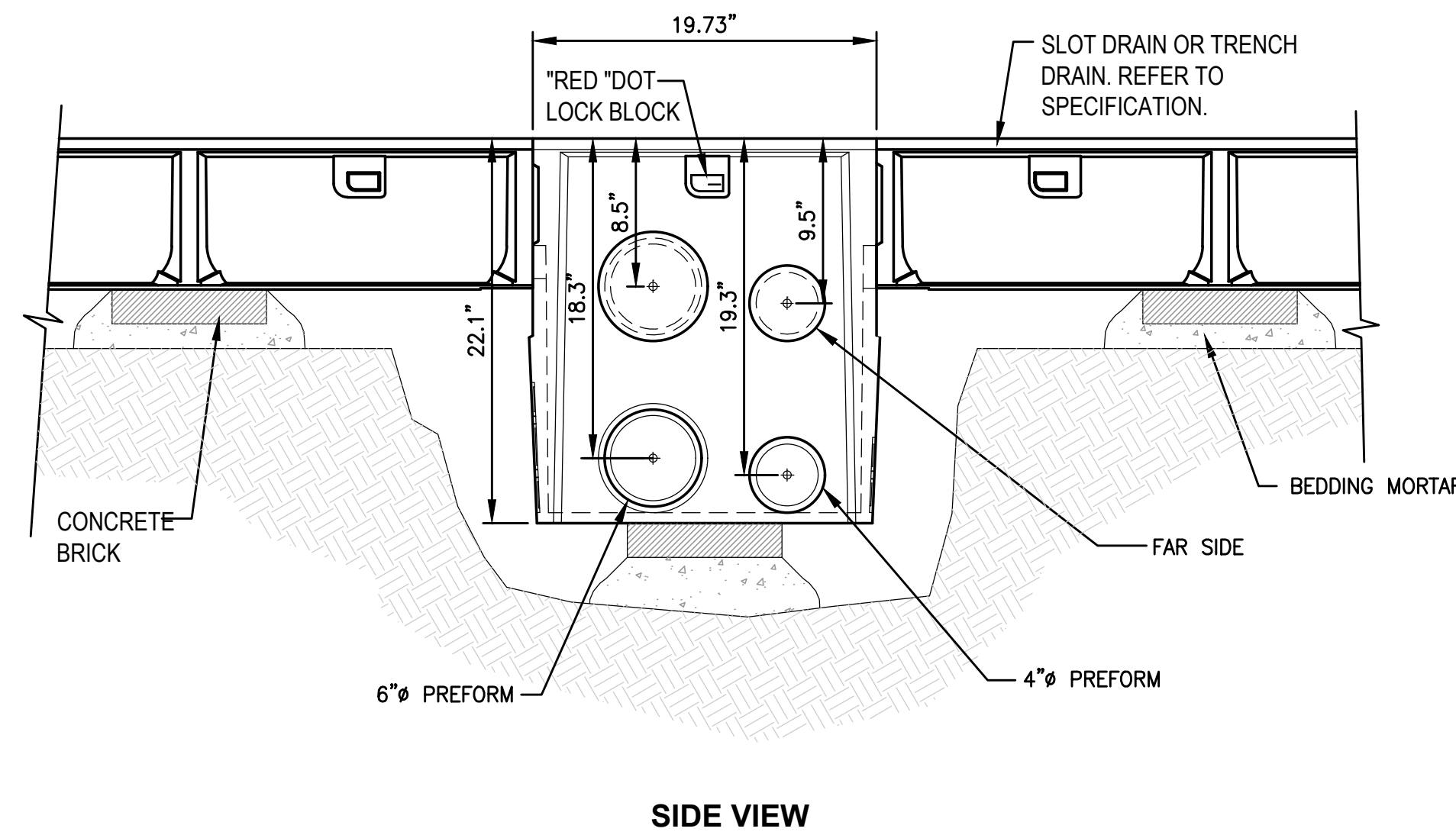


5 CONCRETE SLAB (BLEACHERS & STORAGE SHED)
N.T.S.

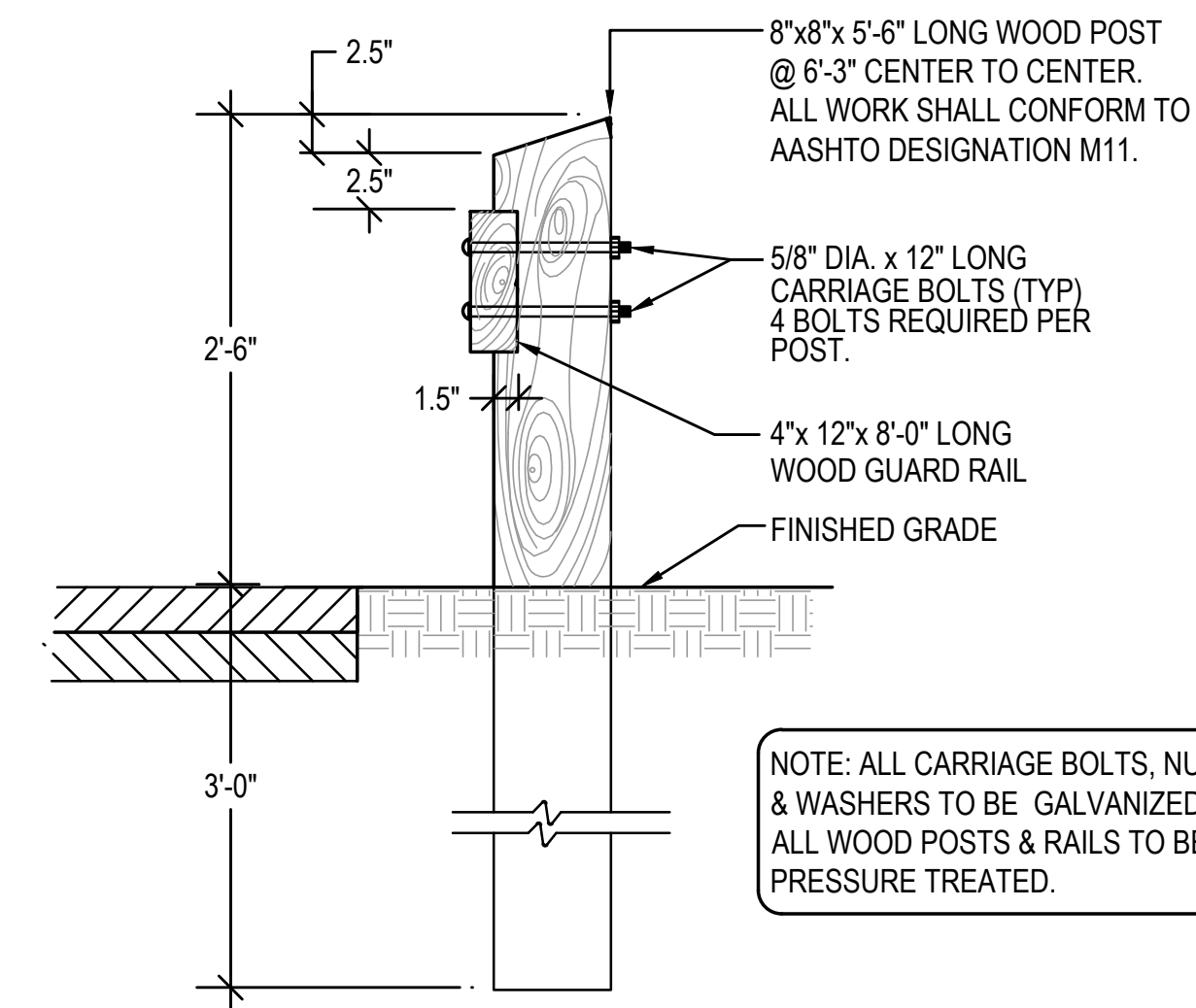


NOTE:
FOR STRUCTURE LOCATIONS, SEE DRAINAGE PLAN.

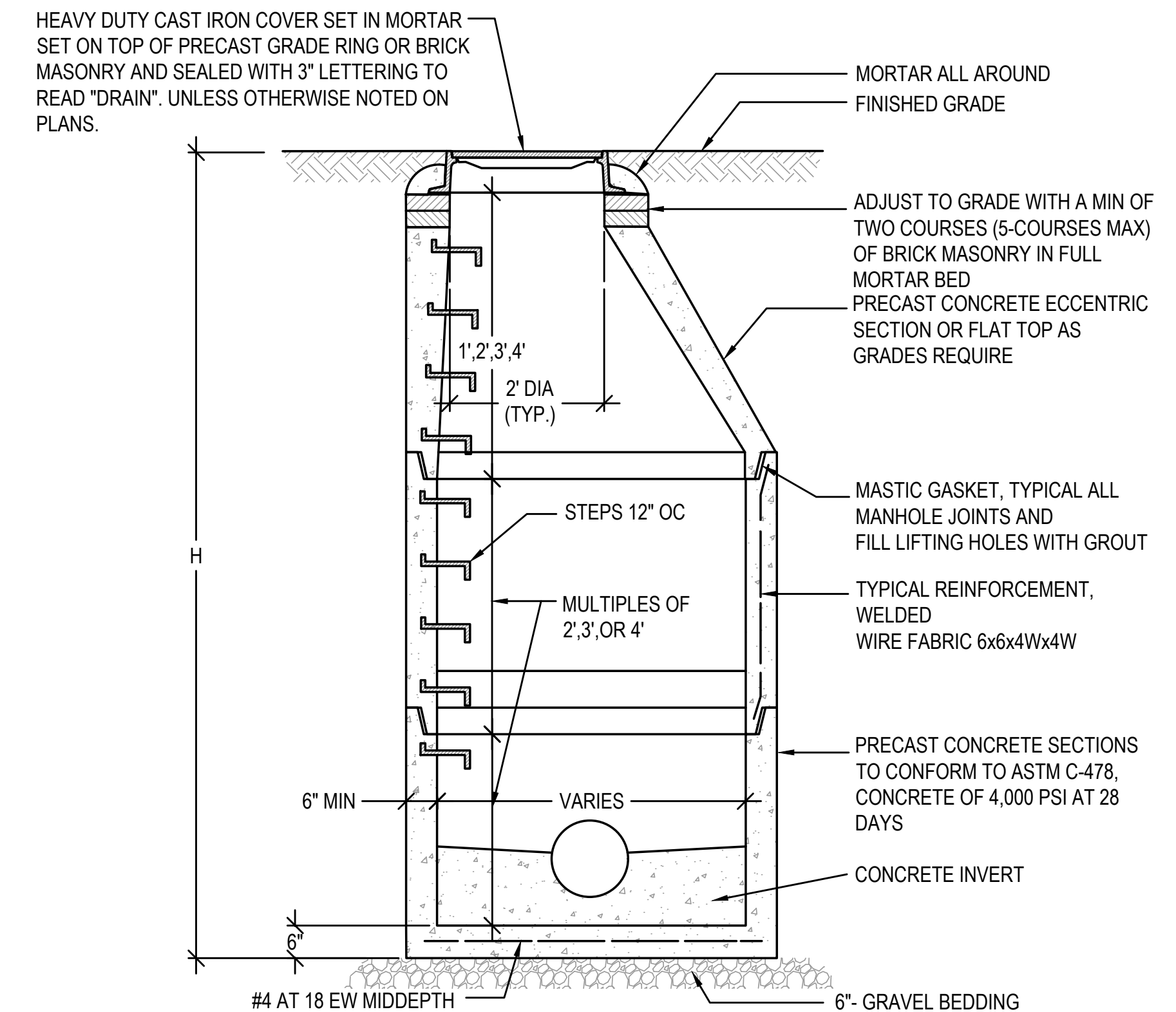
2 PVC DRAIN MANHOLE OR CATCH BASIN
N.T.S.



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



3 TYP. WOODEN GUARD RAIL DETAIL
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.



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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.	718601
CADD FILE	718601_C500
DESIGNED BY	MSK
DRAWN BY	MSK
CHECKED BY	KDH / PS
DATE	11/16/2023
DRAWING SCALE	N.T.S.

GRAPHIC SCALE

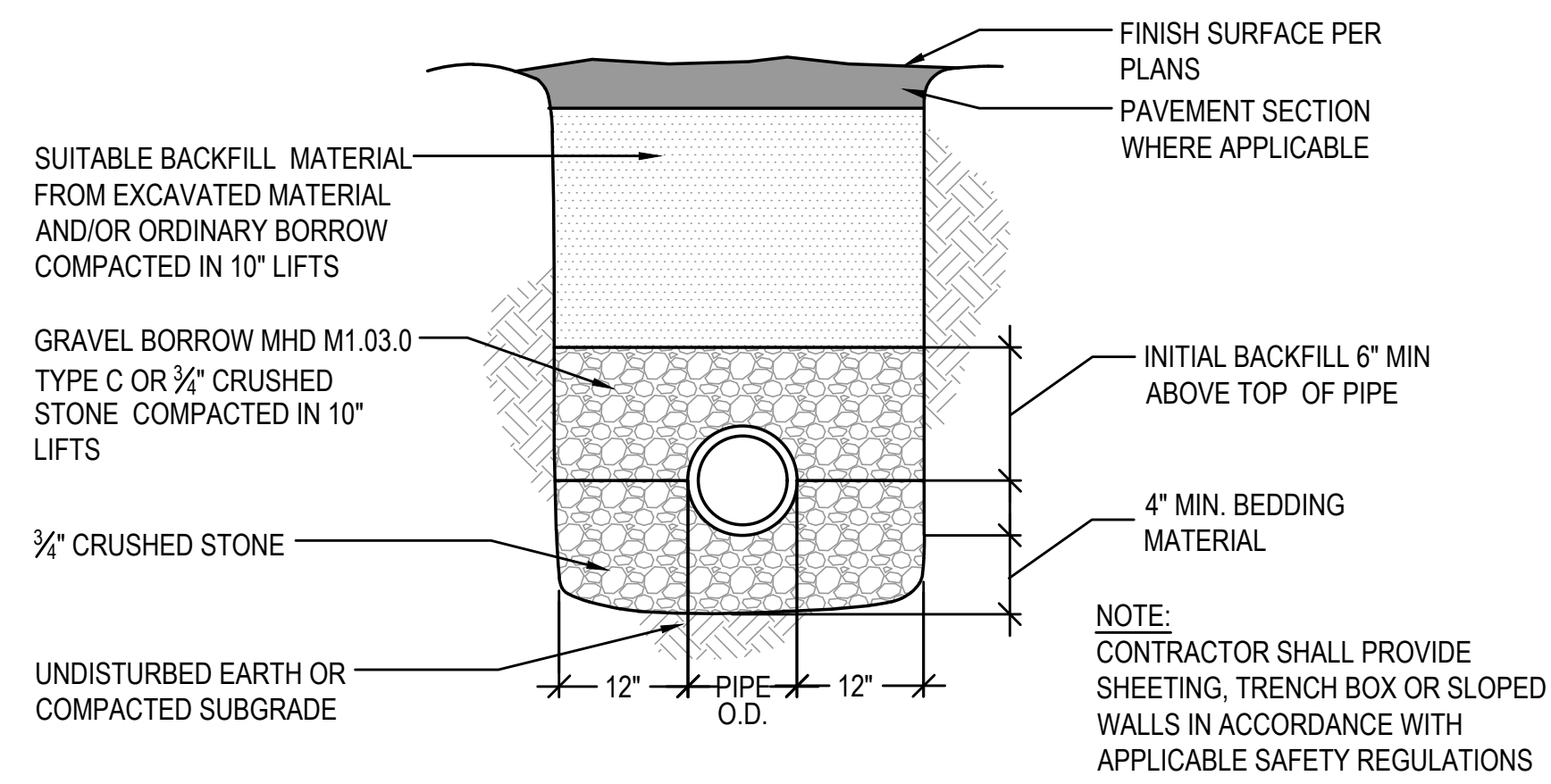
SHEET TITLE

**GENERAL DETAILS
SHEET 6 OF 8**

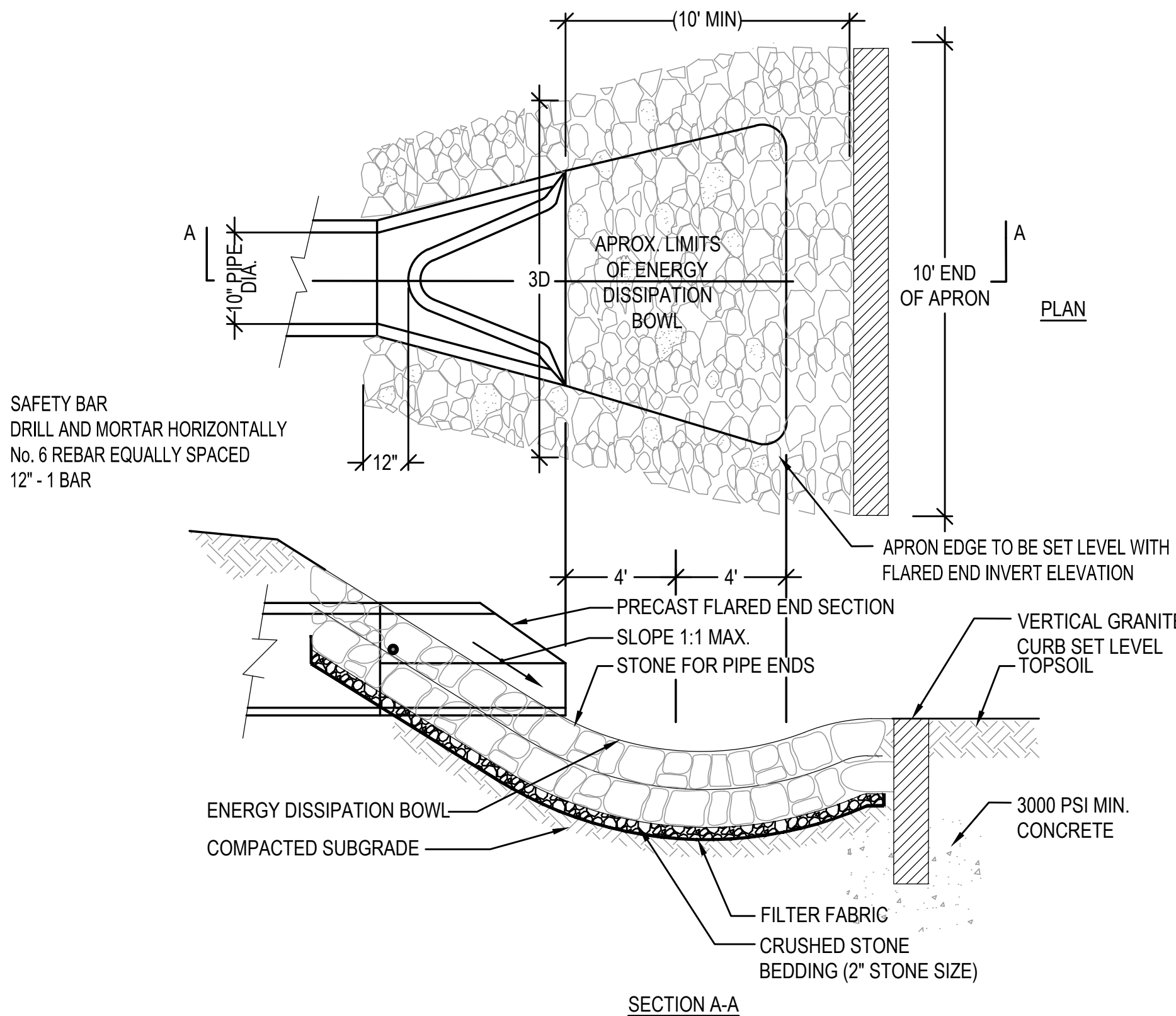
DRAWING NO.

C506

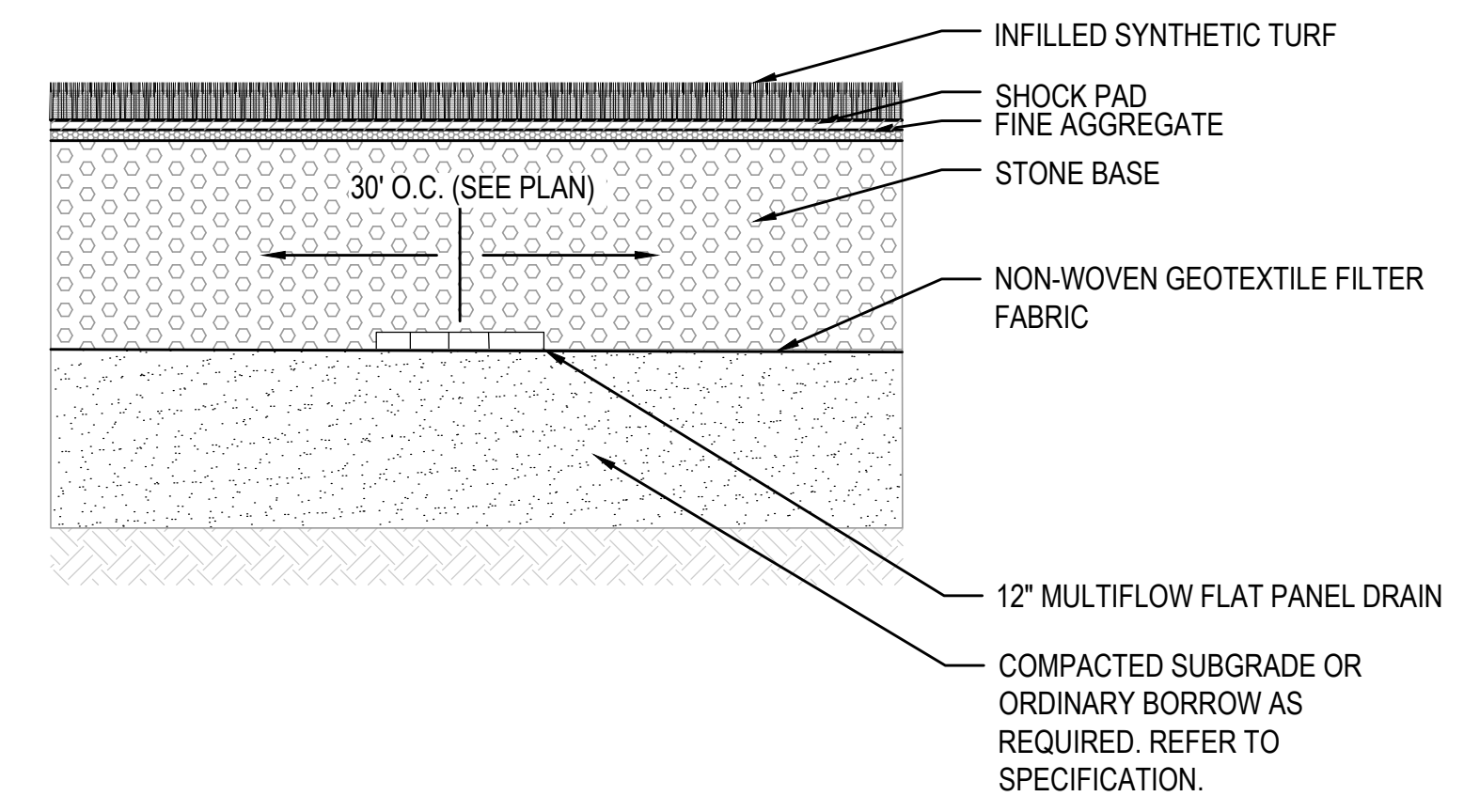
25 OF 40



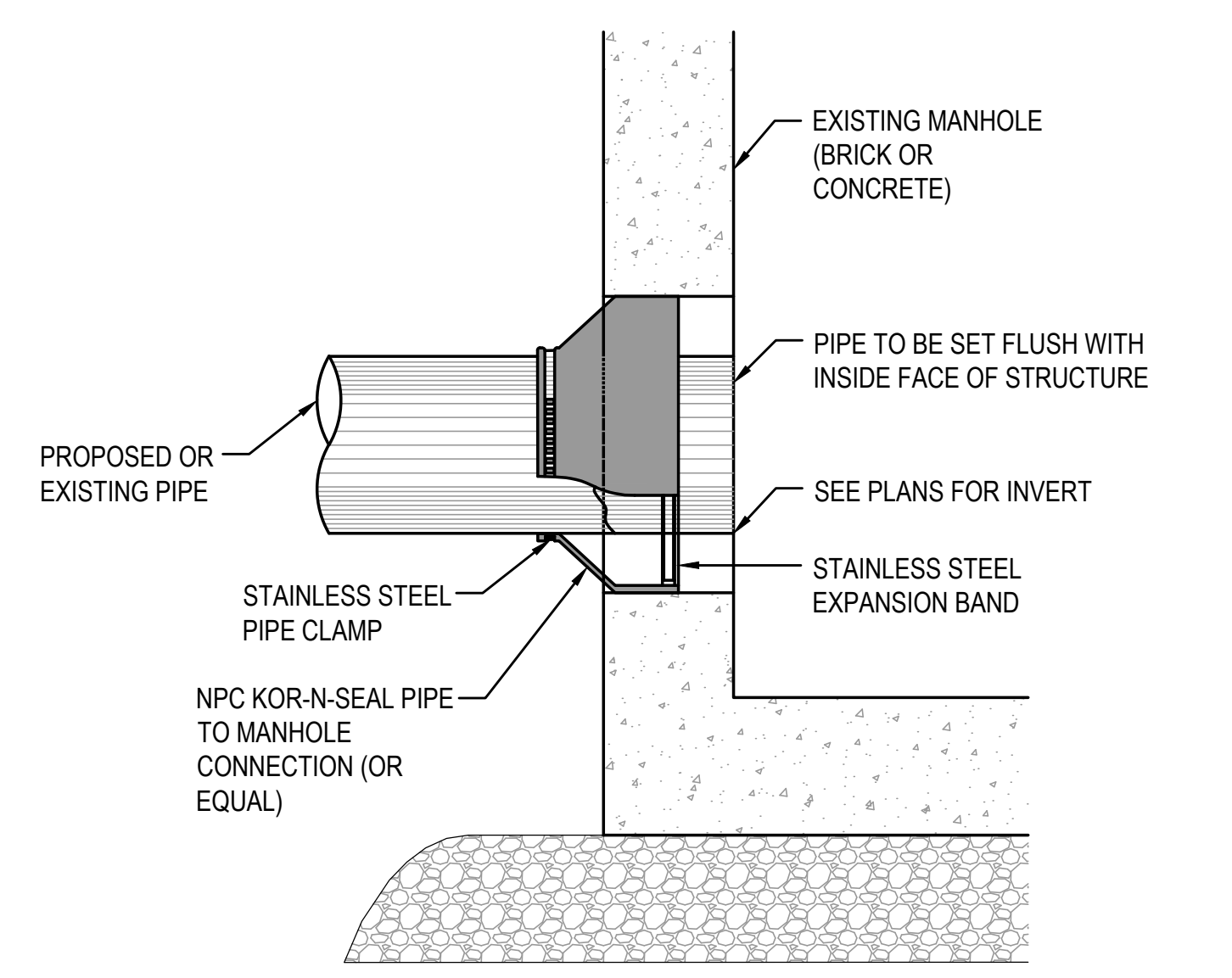
1 (UP TO 24" DIA.) NON-PERFORATED HDPE TRENCH DETAIL
N.T.S.



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



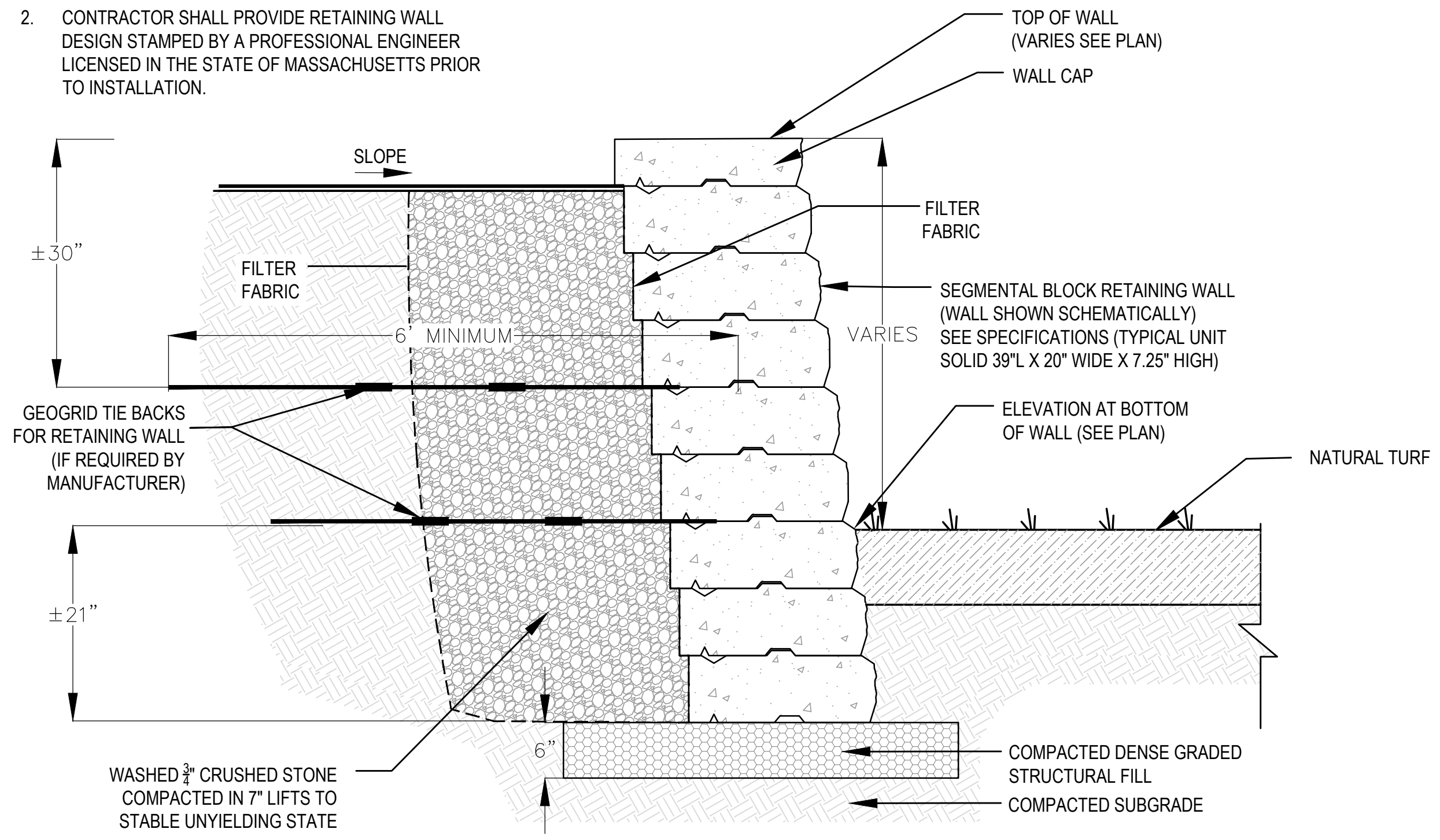
3 SYNTHETIC TURF SECTION & FIELD UNDERDRAIN DETAIL
N.T.S.



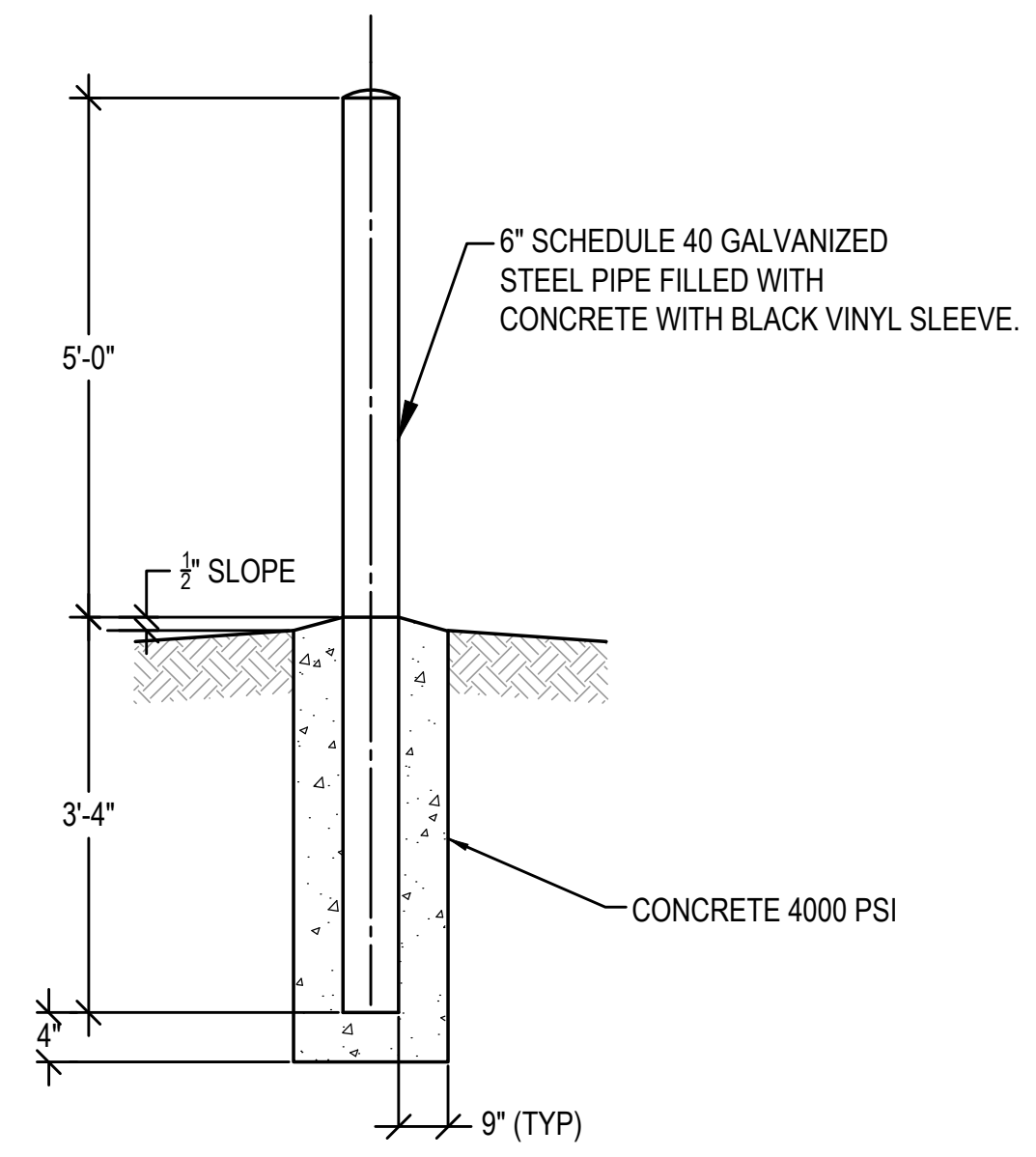
4 CONNECTION TO MANHOLE
N.T.S.

BACKSTOP FOOTING NOTES:

- CONTRACTOR TO PROVIDE PERTINENT SOIL TESTING FOR USE IN RETAINING WALL DESIGN, PER NOTE 2.
- CONTRACTOR SHALL PROVIDE RETAINING WALL DESIGN STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MASSACHUSETTS PRIOR TO INSTALLATION.



5 SEGMENTAL BLOCK RETAINING WALL
N.T.S.



6 BOLLARD DETAIL
N.T.S.

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OWNER
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5 SCHOOL STREET
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DATE		11/16/2023	
DRAWING SCALE		N.T.S.	

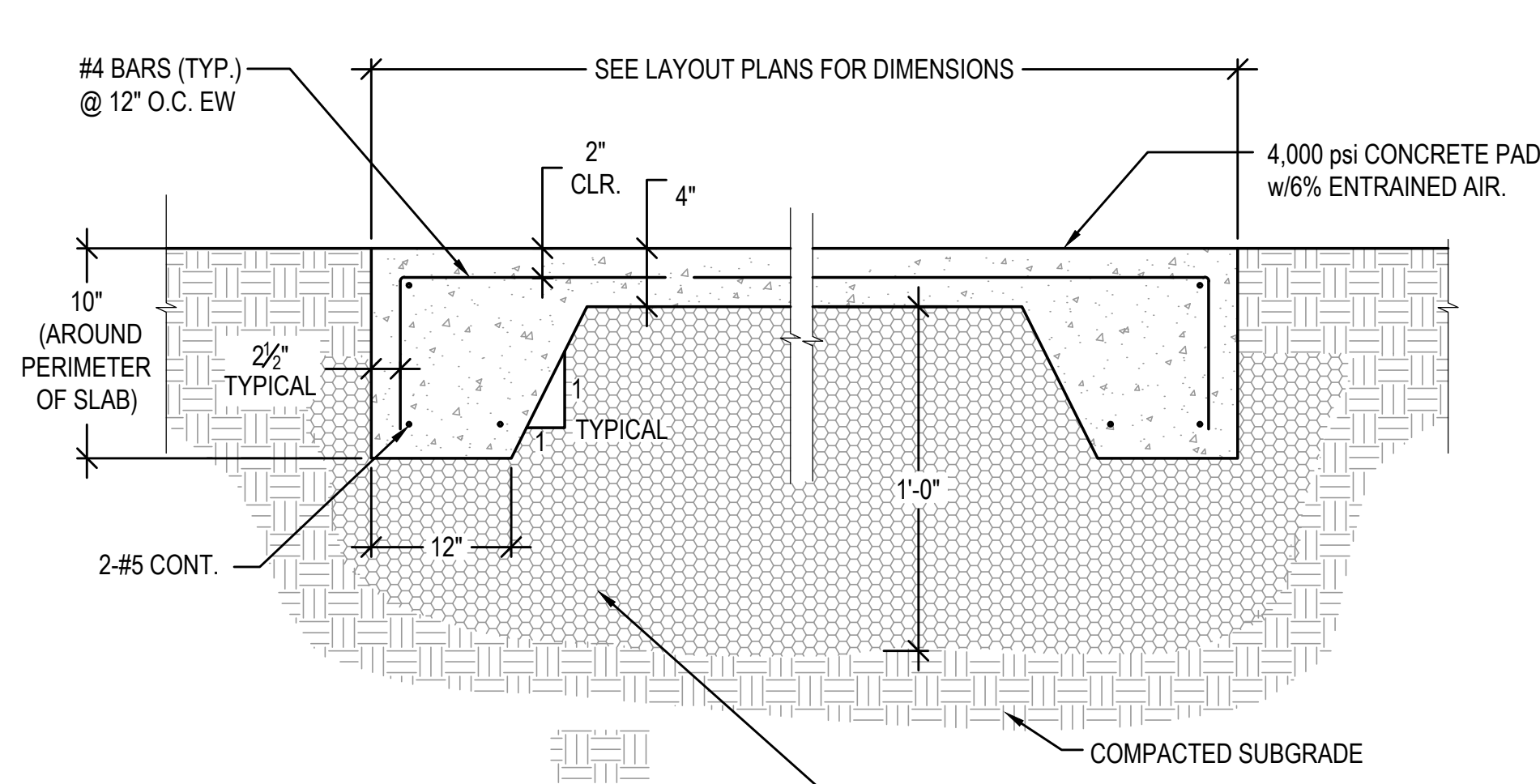
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SHEET TITLE

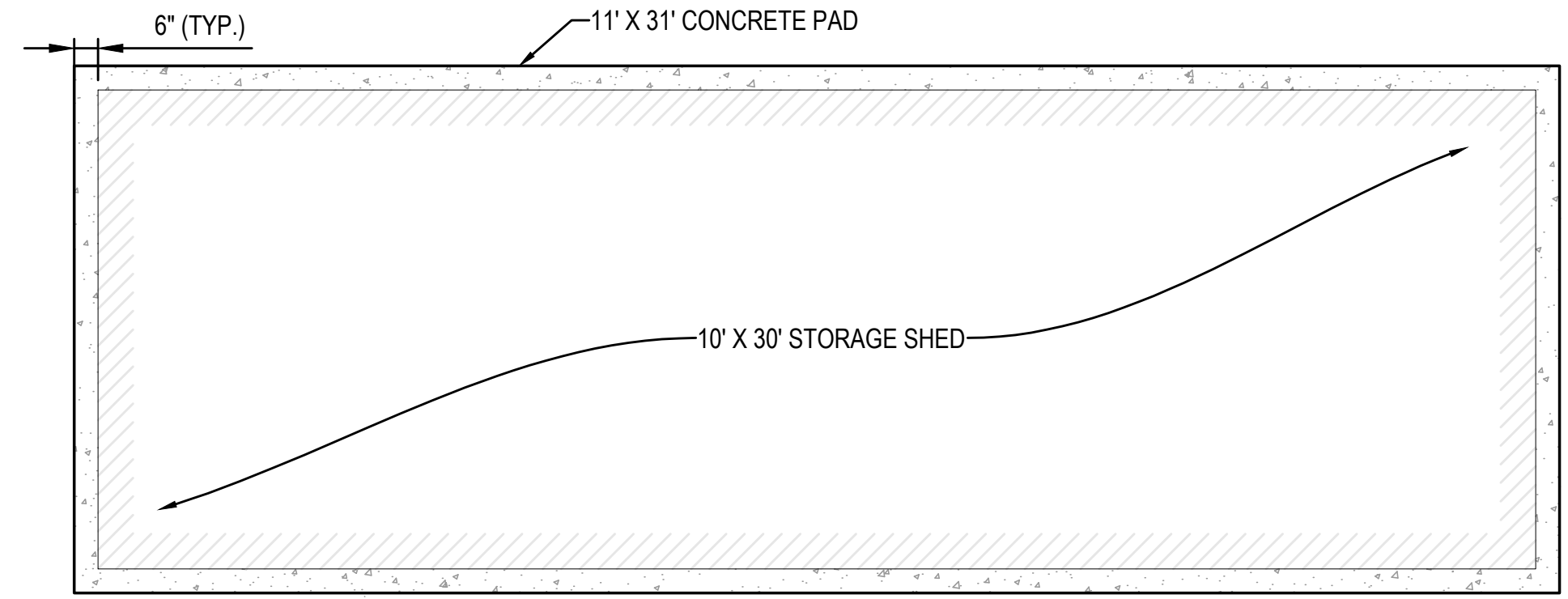
**GENERAL DETAILS
SHEET 7 OF 8**

DRAWING NO.

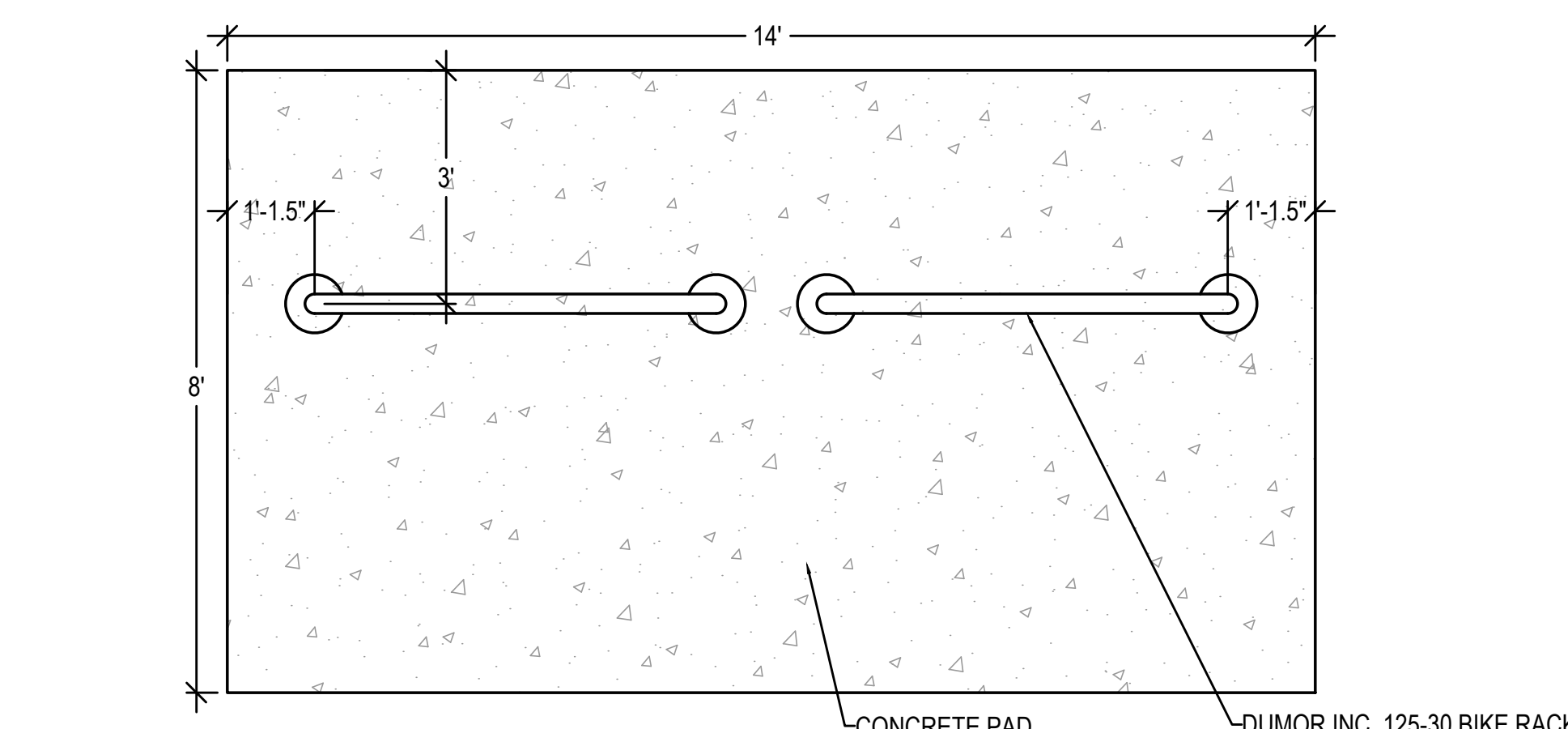
C507



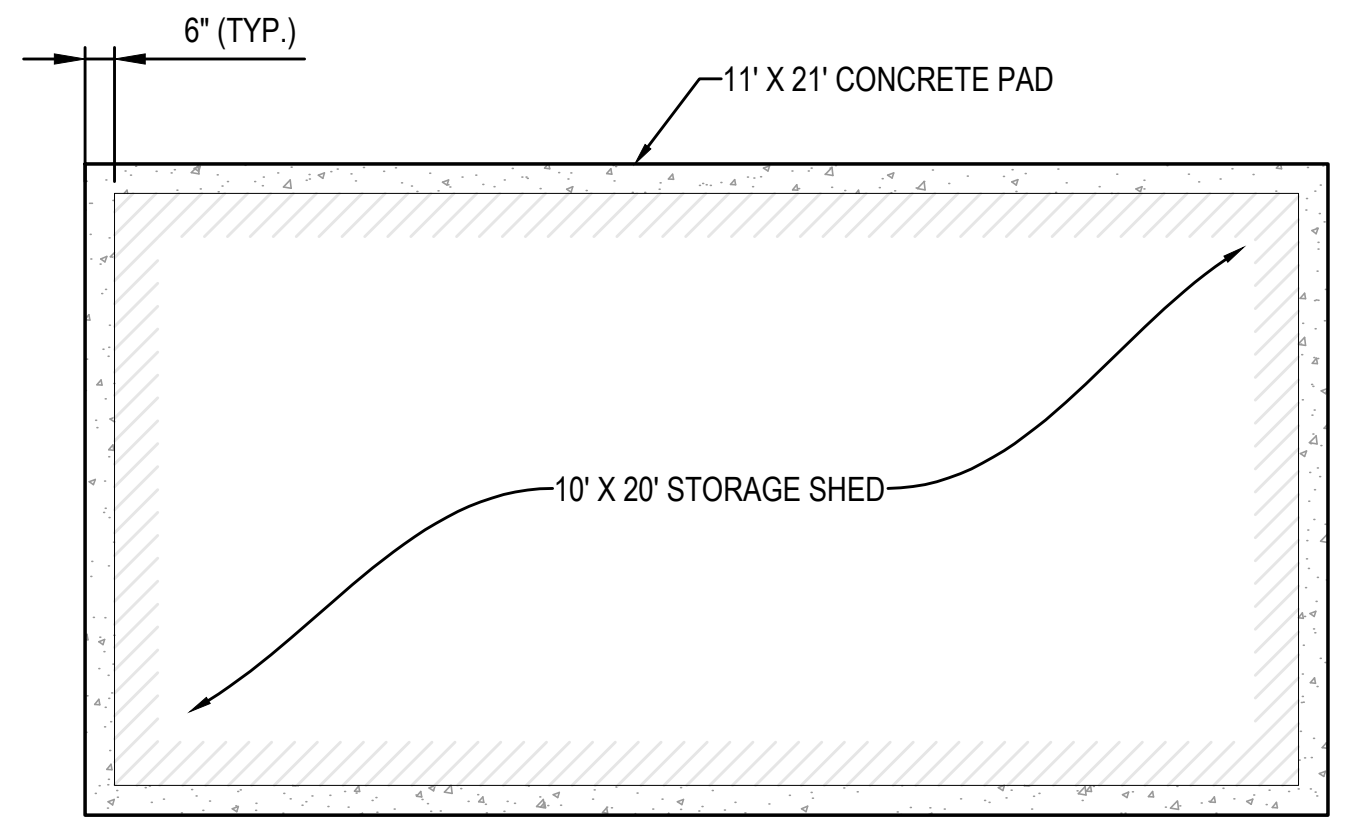
1 CONCRETE SLAB (DUGOUTS)
N.T.S.



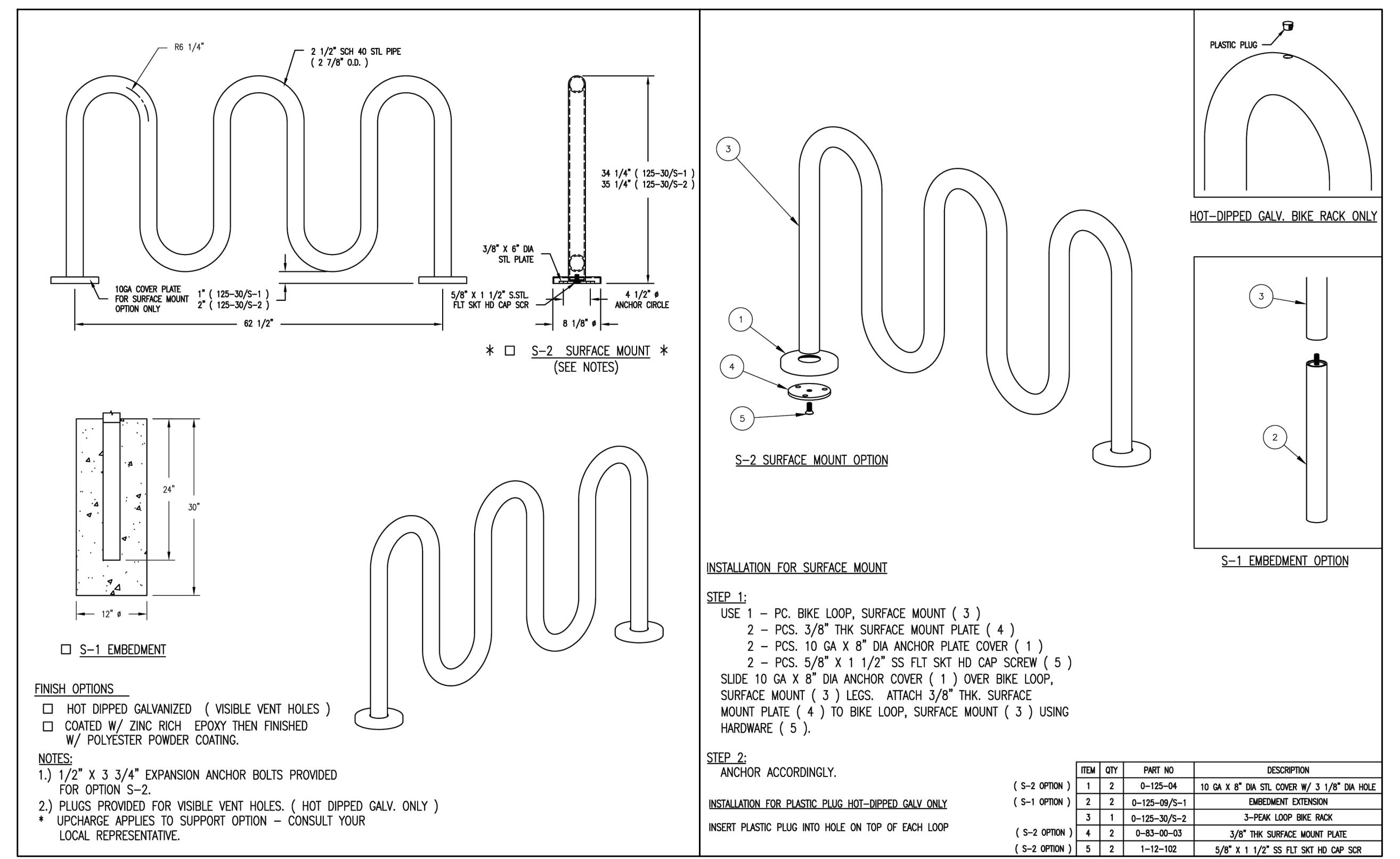
2 10' X 30' STORAGE SHED ON CONCRETE SLAB
N.T.S.



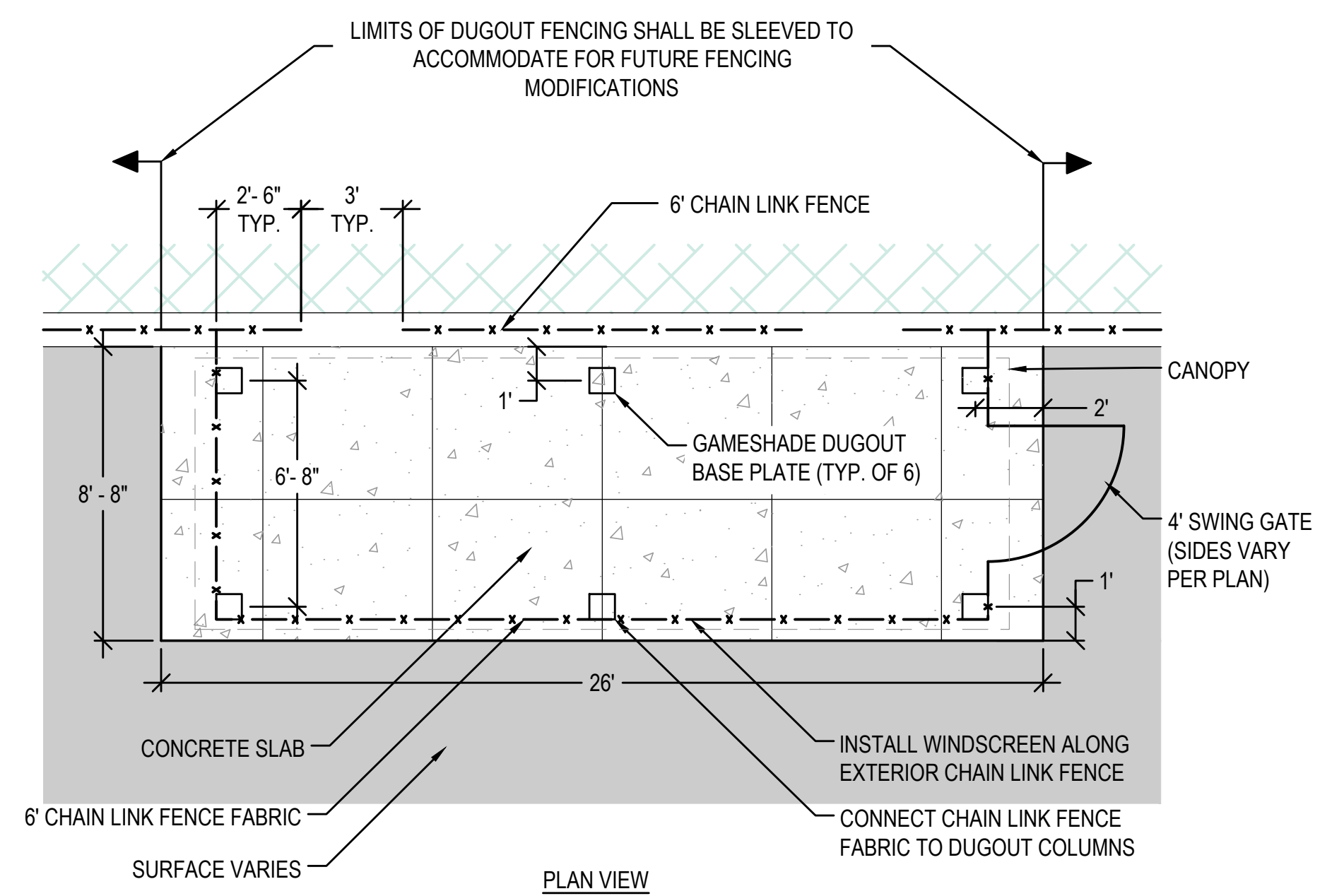
3 TWO BIKE RACKS ON CONCRETE PAD
N.T.S.



4 10' X 20' STORAGE SHED ON CONCRETE SLAB
N.T.S.



5 BIKE RACK
N.T.S.



NOTE:

- DUGOUTS SHALL BE GAMESHADE STRUCTURE, MODEL GD8X24, AS MANUFACTURED BY SPORTSFIELD SPECIALTIES, 41155 STATE HIGHWAY 10, DELHI, NY 13573. CONTRACTOR TO COORDINATE WITH MANUFACTURER PRIOR TO PLACING CONCRETE PAD TO INSTALL GAMESHADE STRUCTURE AND FOUNDATIONS PER RECOMMENDATIONS.
- CONTRACTOR TO EXTEND SAFETY NETTING OVER THIRD BASE LINE DUGOUT.

6 DUGOUT LAYOUT
N.T.S.

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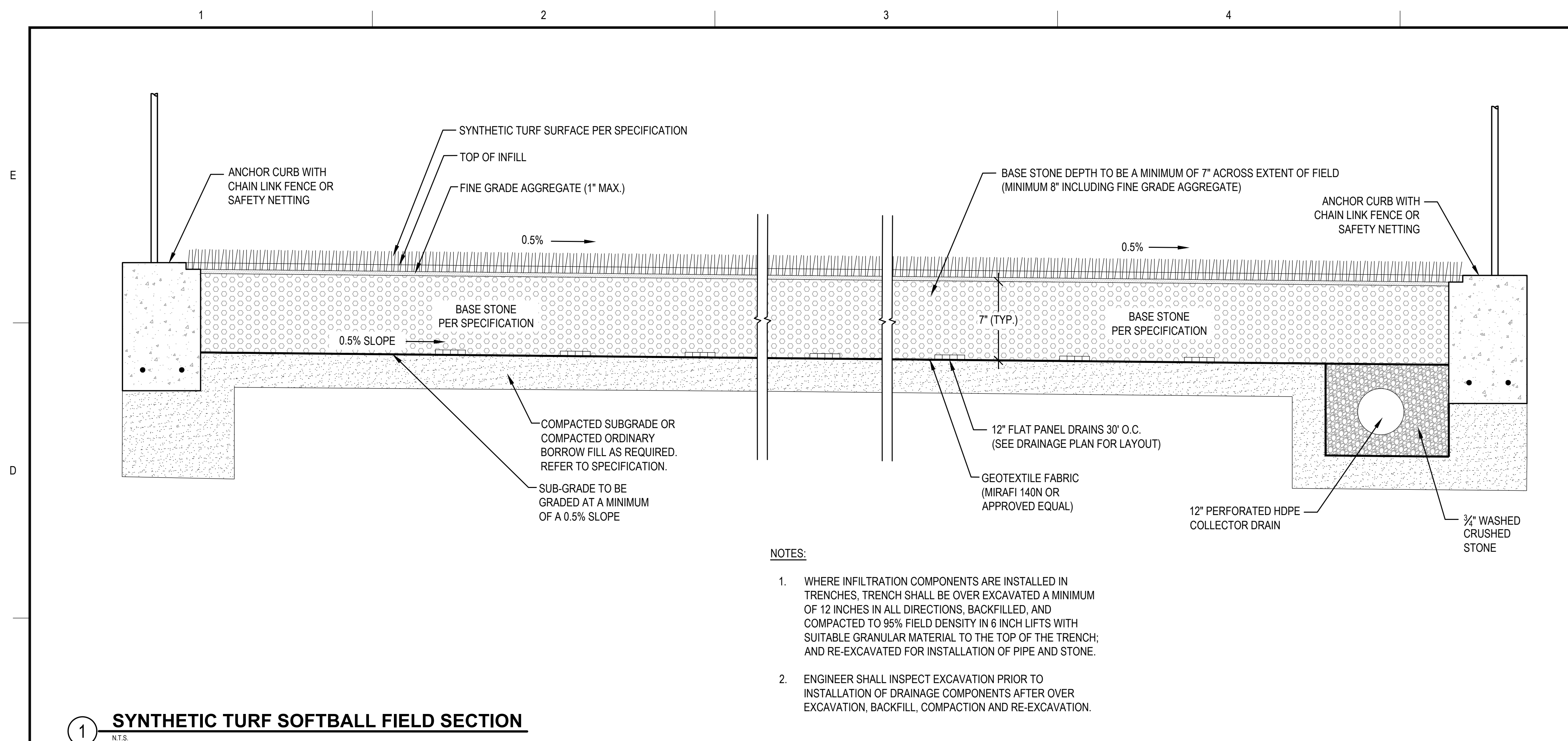
NO.	DATE	DESCRIPTION	BY
2/13/2024	PEER REVIEW COMM.	KFR	

GRAPHIC SCALE

SHEET TITLE
**GENERAL DETAILS
SHEET 8 OF 8**

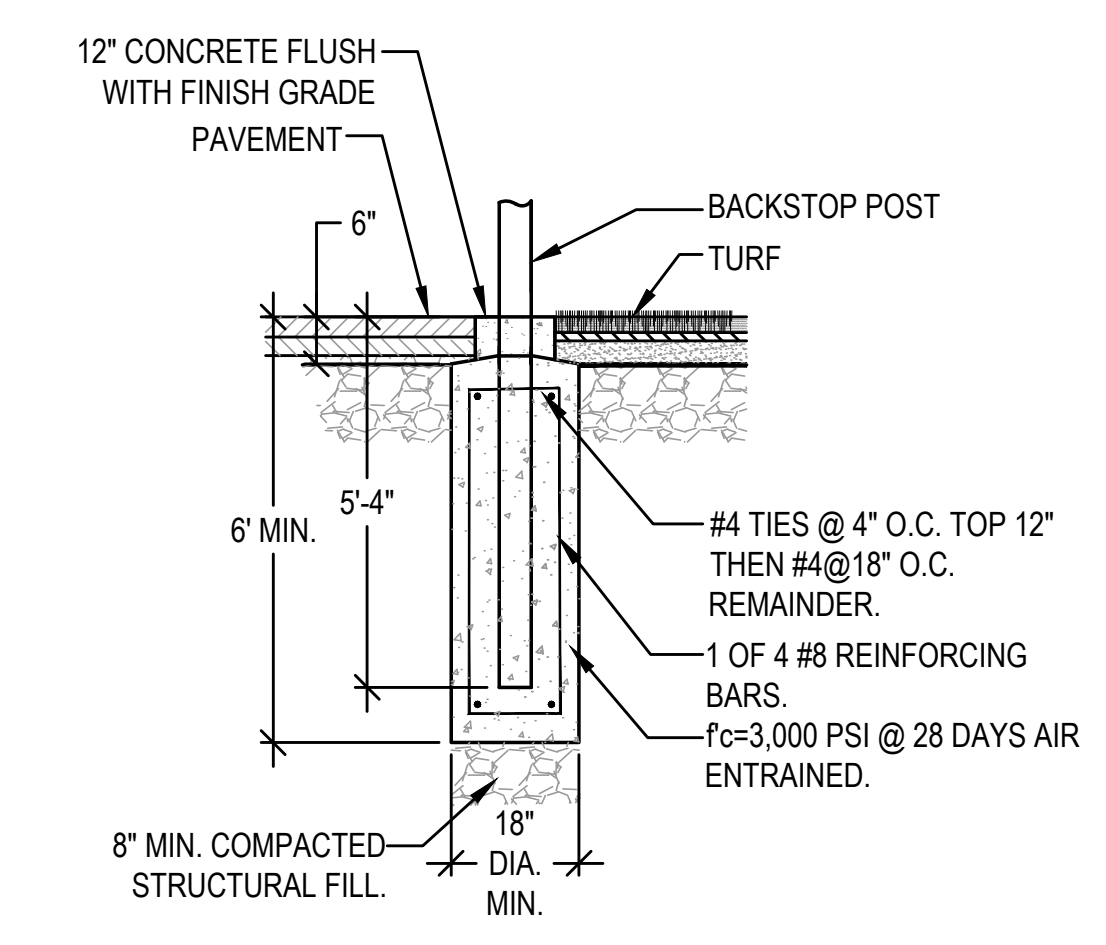
DRAWING NO.
C508

27 OF 40



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

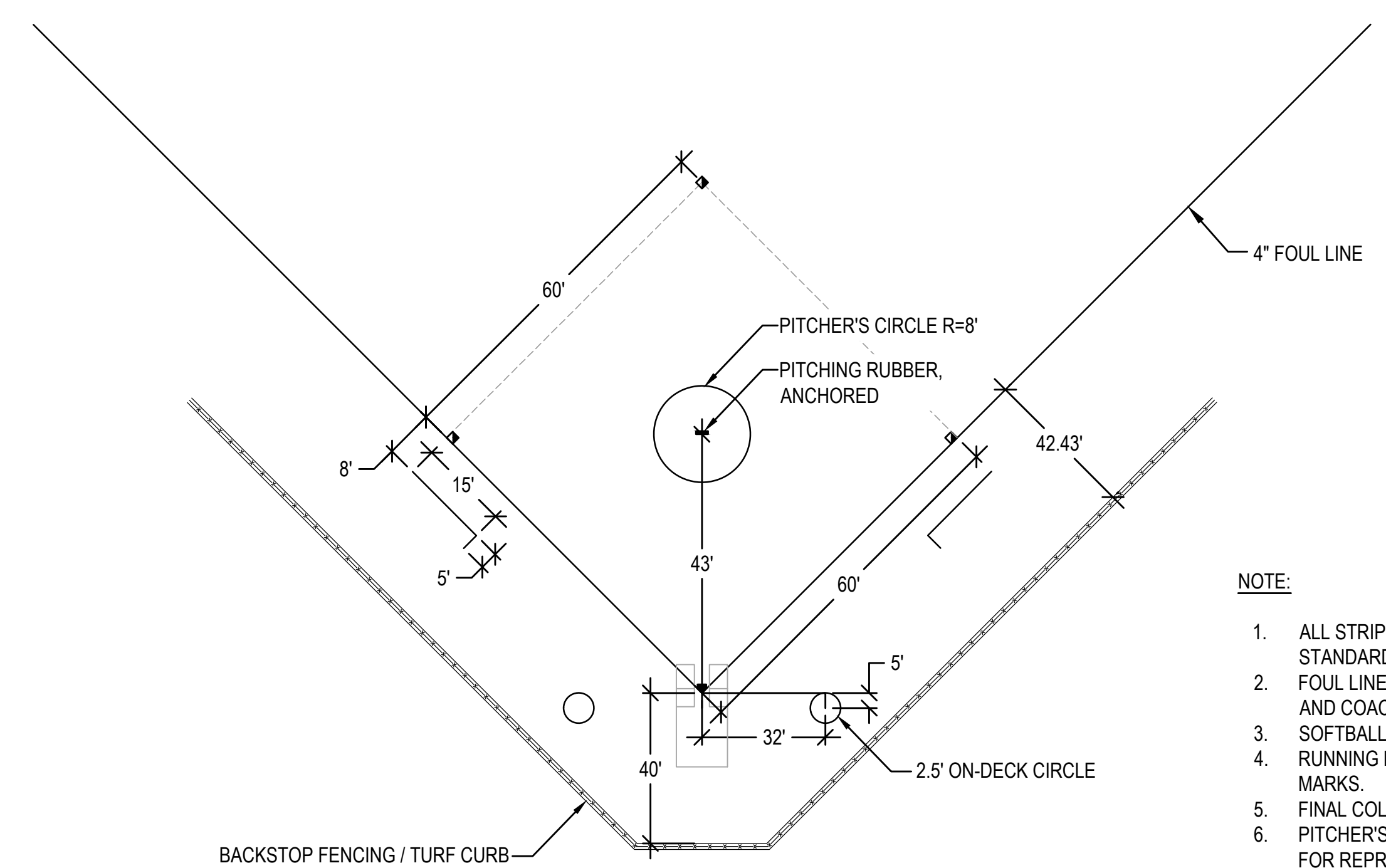
- NOTES:**
- WHERE INFILTRATION COMPONENTS ARE INSTALLED IN TRENCHES, TRENCH SHALL BE OVER EXCAVATED A MINIMUM OF 12 INCHES IN ALL DIRECTIONS, BACKFILLED, AND COMPACTED TO 95% FIELD DENSITY IN 6 INCH LIFTS WITH SUITABLE GRANULAR MATERIAL TO THE TOP OF THE TRENCH; AND RE-EXCAVATED FOR INSTALLATION OF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



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

2 BACKSTOP FOOTING DETAIL
N.T.S.

RESERVE FOR FUTURE USE



- NOTE:**
- ALL STRIPING TO ADHERE TO ASBA AND MIAA STANDARDS.
 - FOUL LINES, ON-DECK CIRCLES, PITCHER'S CIRCLE AND COACHES BOXES TO BE TUFTED.
 - SOFTBALL BATTER'S BOXES TO BE PAINTED.
 - RUNNING BASE LOCATIONS SHALL HAVE TUFTED TICK MARKS.
 - FINAL COLORS TO BE APPROVED BY OWNER.
 - PITCHER'S RUBBER, BASES, AND BASE LINES SHOWN FOR REPRESENTATIVE PURPOSES ONLY.
 - NFHS/NCAA REGULATIONS RECOMMEND A MINIMUM 45' CLEAR ZONE BETWEEN THE BACK TIP OF HOME PLATE AND THE BACKSTOP. THE LAYOUT FOR THIS PROJECT SPECIFIES A 40' CLEAR ZONE, BASED ON SITE CONSTRAINTS.

3 SOFTBALL INFIELD LAYOUT
N.T.S.

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PROJECT
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775 BAY ROAD
SOUTH HAMILTON, MA 01982**

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

2/13/2024	PEER REVIEW COMM.	KFR

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718601		
CADD FILE	718601_C500		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	N.T.S.		

GRAPHIC SCALE

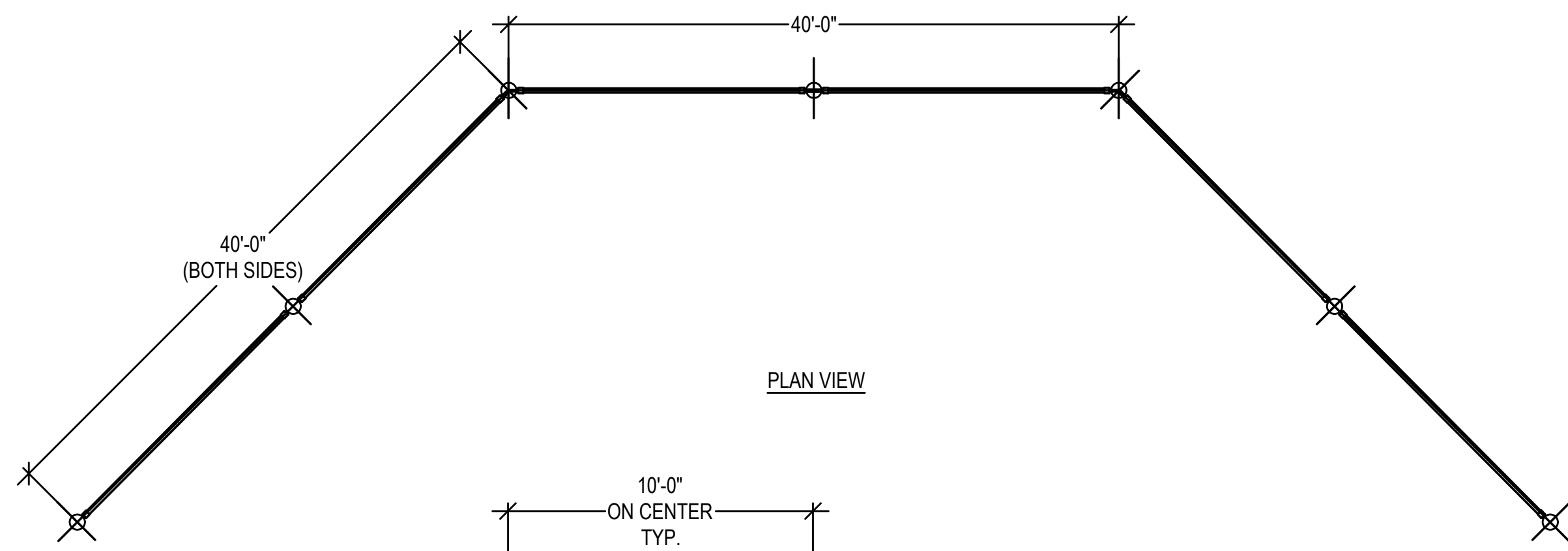
SHEET TITLE

**SOFTBALL FIELD
DETAILS
SHEET 1 OF 3**

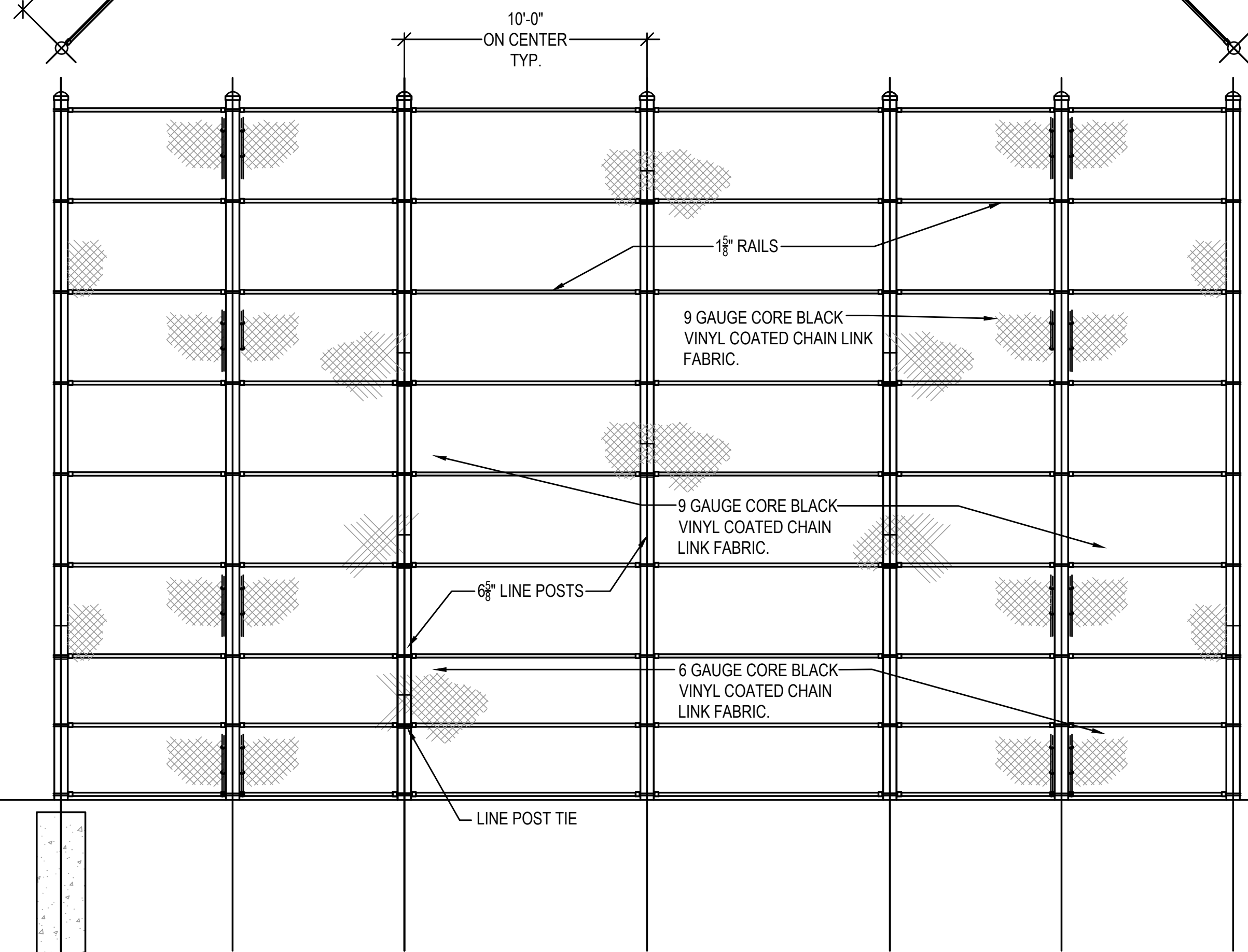
DRAWING NO.	C509
28	OF 40

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.



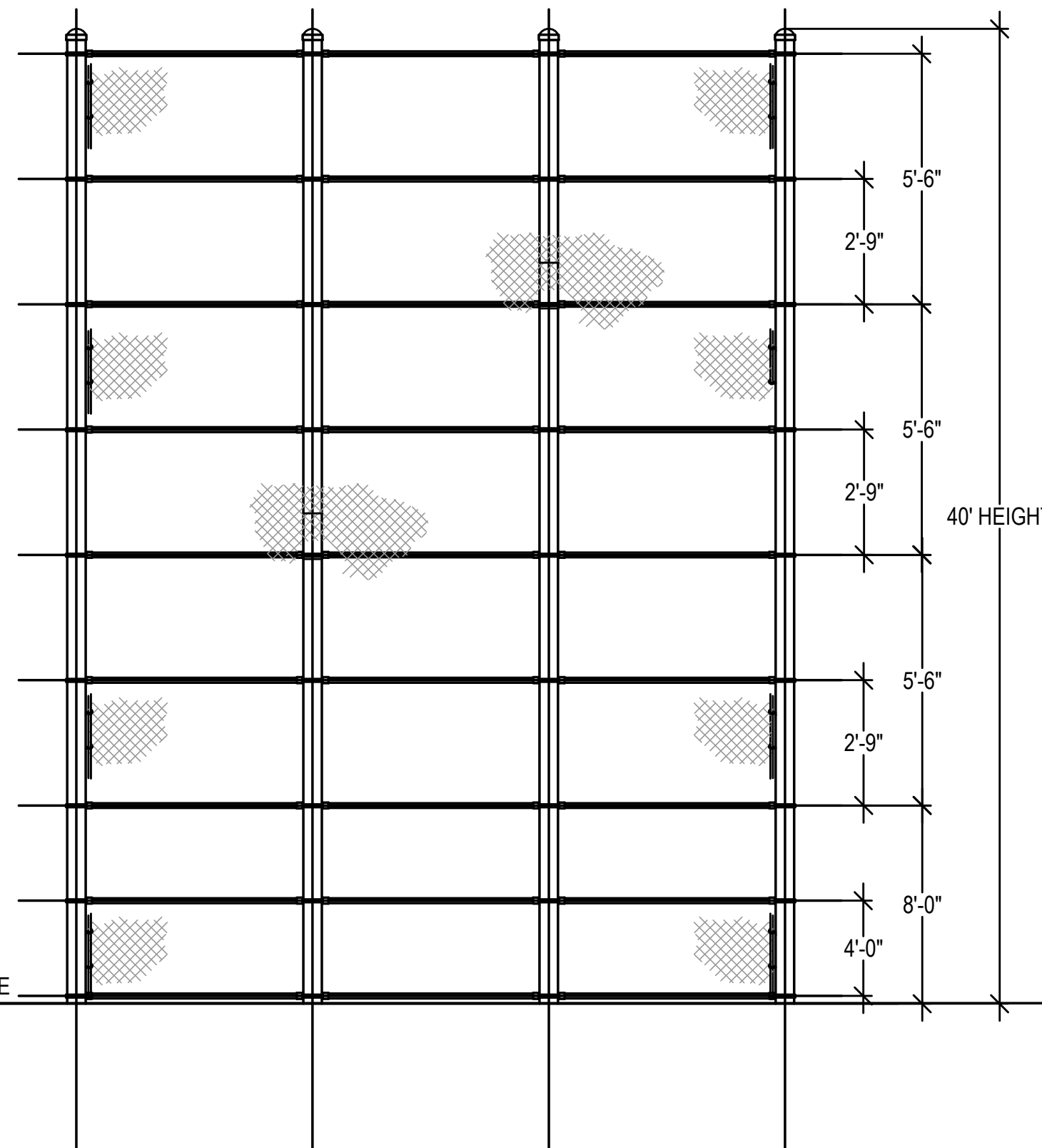
PLAN VIEW



SIDE VIEW

GRADE

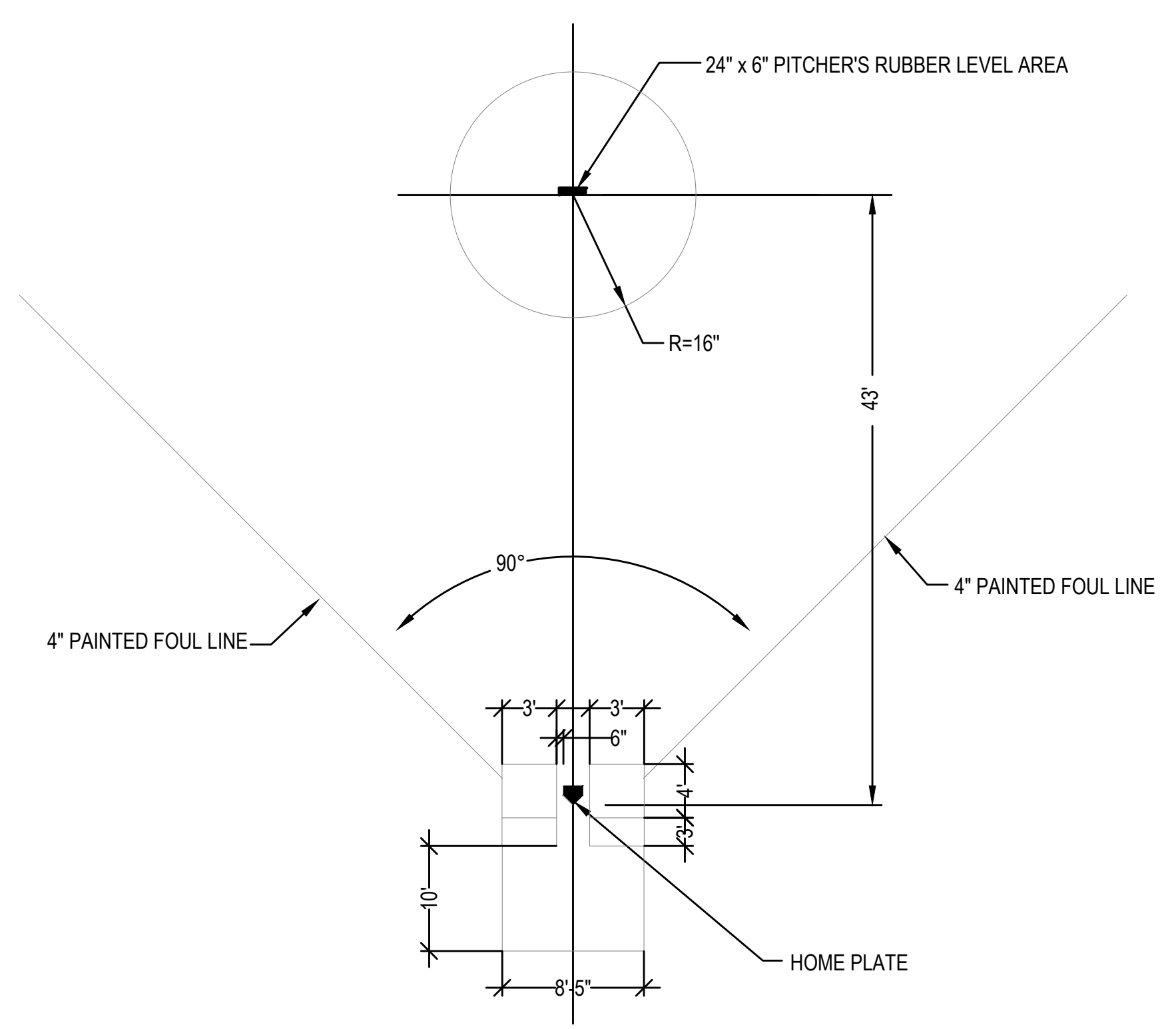
GRADE



SIDE VIEW

1 BACKSTOP DETAIL
N.T.S.

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



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SOUTH HAMILTON, MA 01982

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

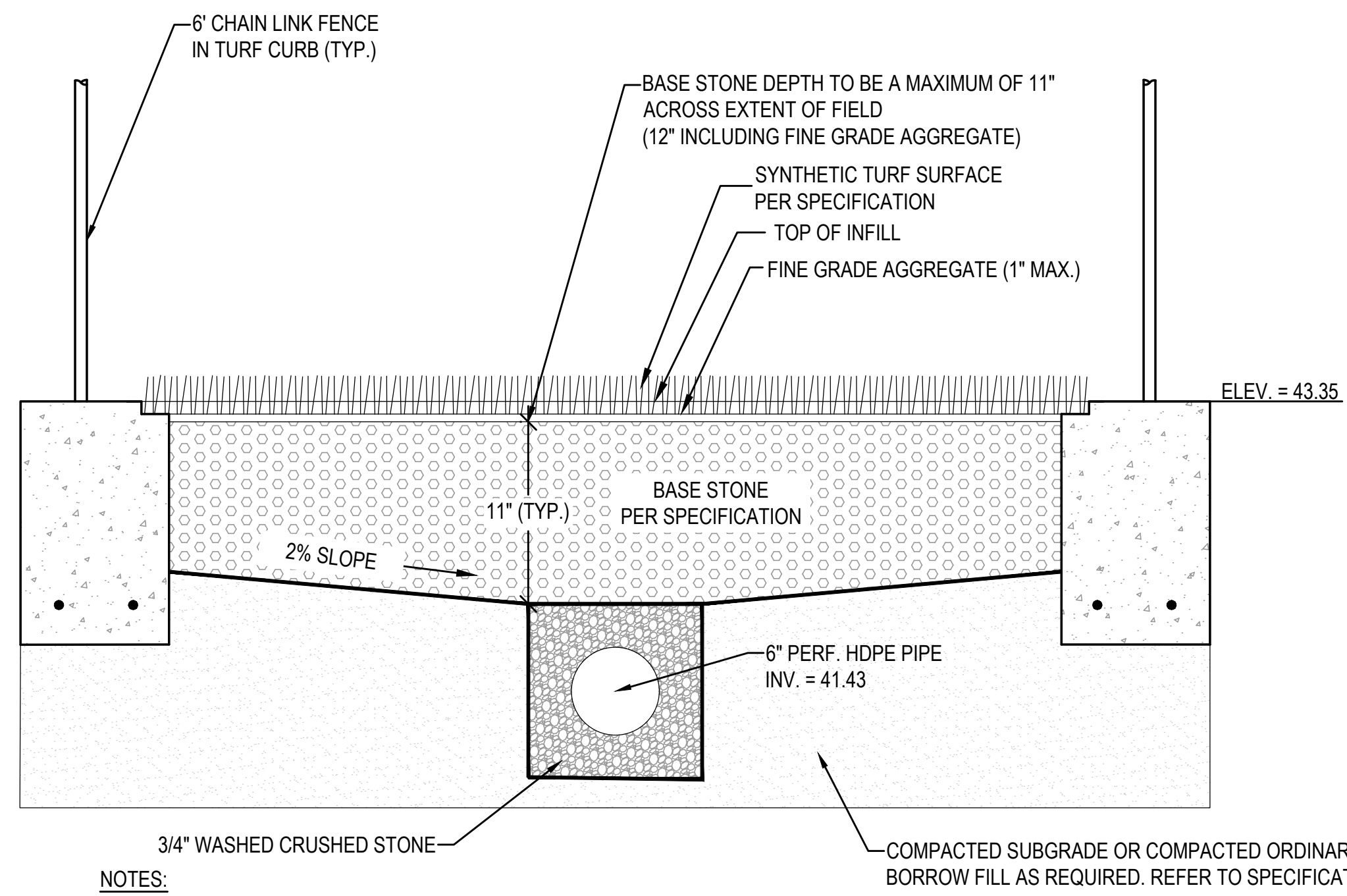
2/13/2024	PEER REVIEW COMM.	KFR

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718601		
CADD FILE	718601_C500		
DESIGNED BY	MSK		
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DATE	11/16/2023		
DRAWING SCALE	N.T.S.		

GRAPHIC SCALE

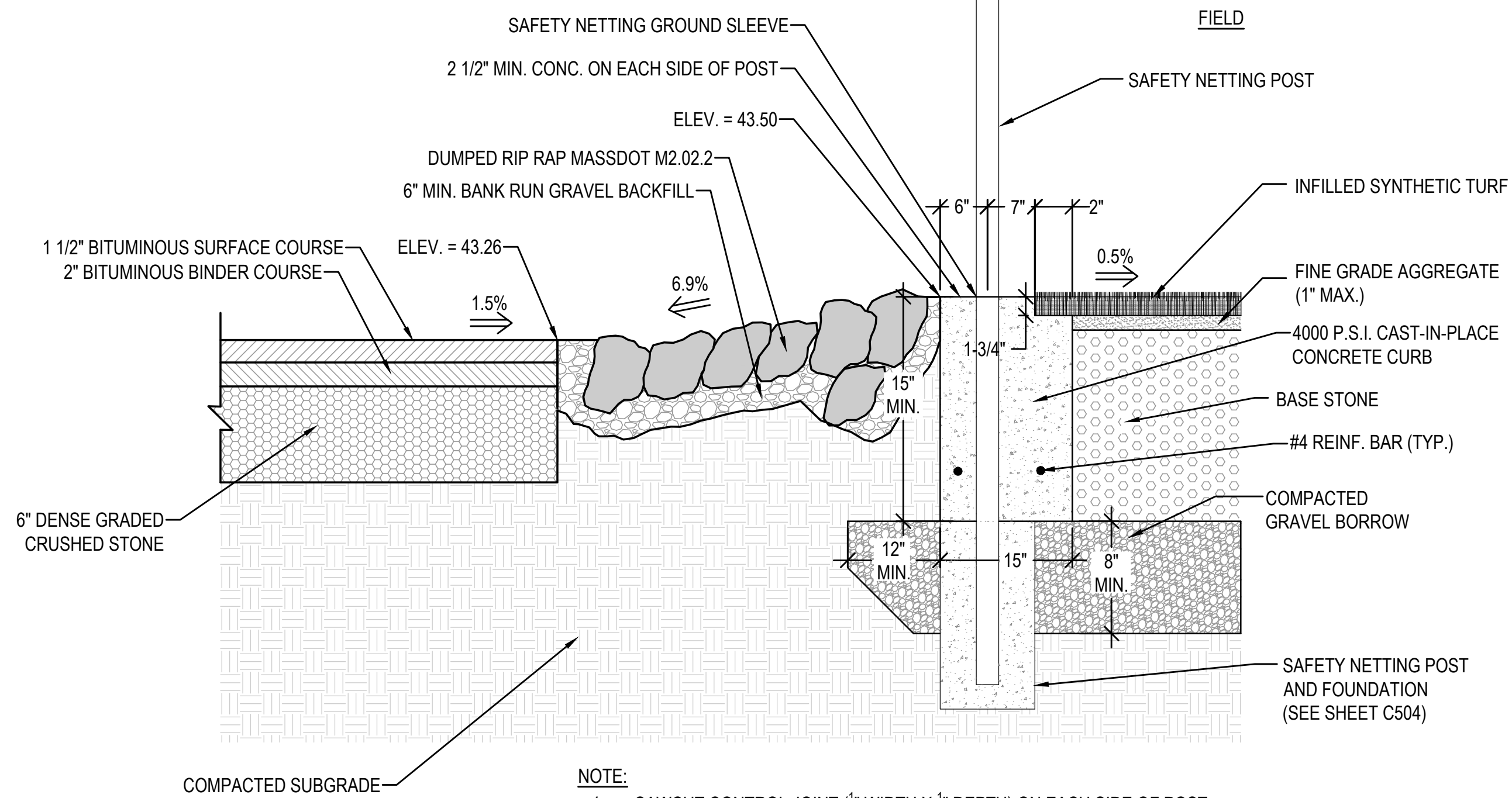
SHEET TITLE
SOFTBALL FIELD DETAILS
SHEET 2 OF 3

DRAWING NO.
C510



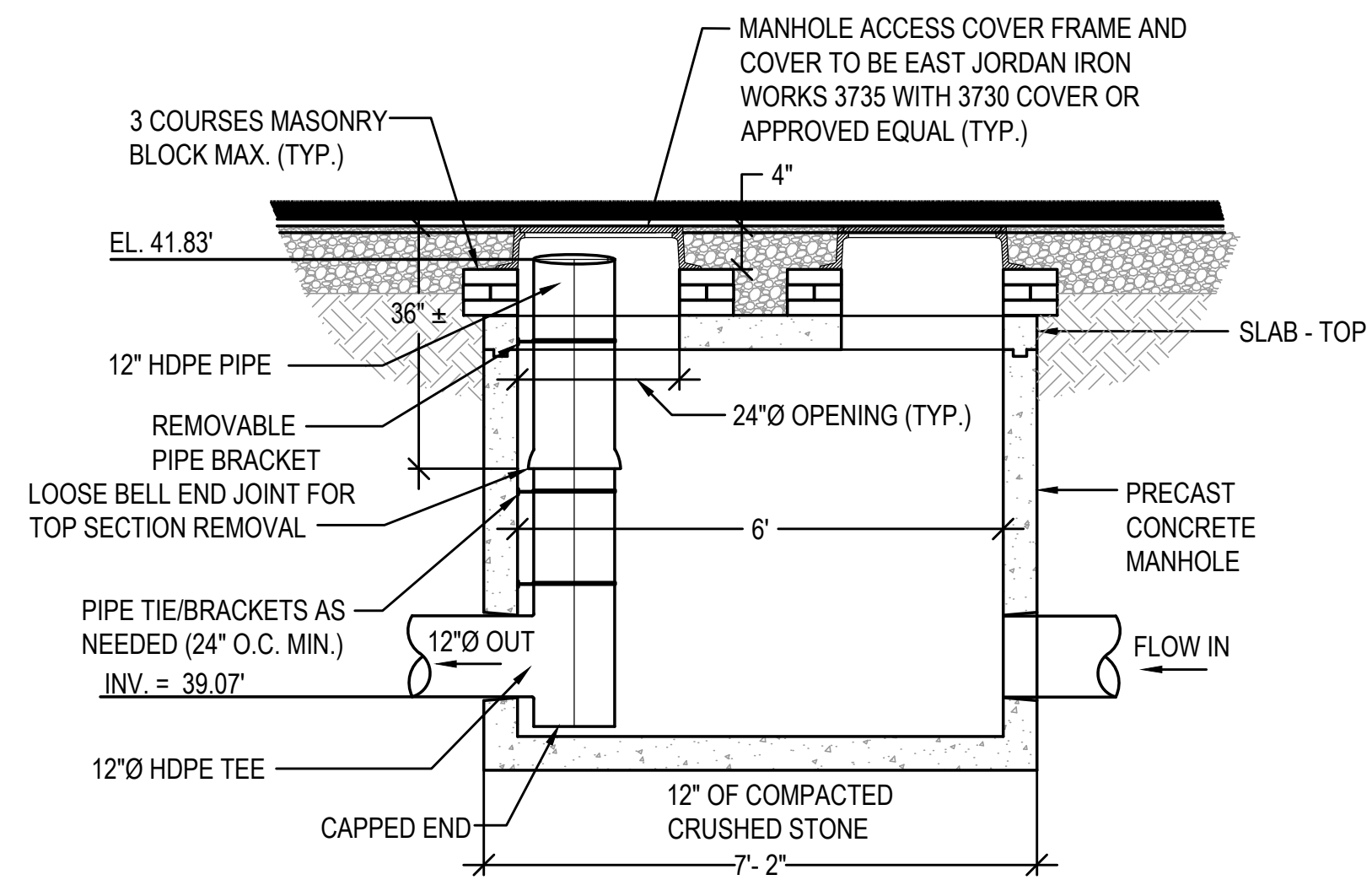
NOTES:
 1. WHERE INFILTRATION COMPONENTS ARE INSTALLED IN TRENCHES, TRENCH SHALL BE OVER EXCAVATED A MINIMUM OF 12 INCHES IN ALL DIRECTIONS, BACKFILLED, AND COMPACTED TO 95% FIELD DENSITY IN 6 INCH LIFTS WITH SUITABLE GRANULAR MATERIAL TO THE TOP OF THE TRENCH; AND RE-EXCAVATED FOR INSTALLATION OF PIPE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

1 SECTION A-A
 N.T.S.



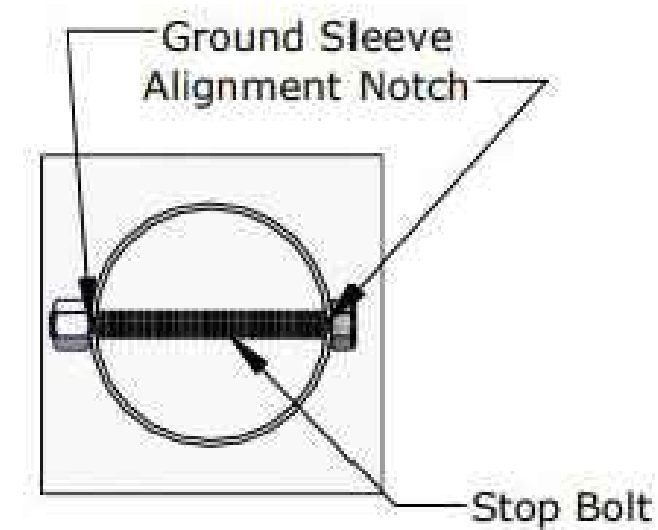
NOTE:
 1. SAWCUT CONTROL JOINT (1/8" WIDTH X 1/4" DEPTH) ON EACH SIDE OF POST.
 2. CONTRACTOR SHALL PROVIDE FOUNDATION DESIGN STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MASSACHUSETTS PRIOR TO INSTALLATION.

3 SECTION B-B
 N.T.S.



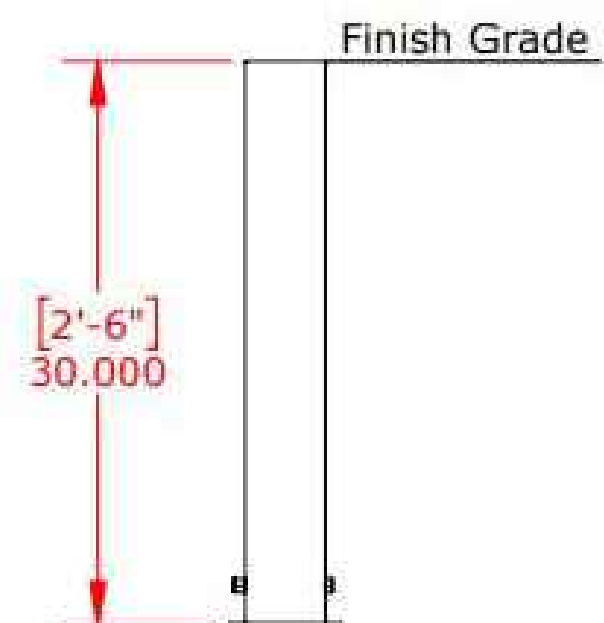
2 OUTLET CONTROL STRUCTURE (OCS #4)
 N.T.S.

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



4 SOFTBALL BATTING CAGE
 N.T.S.



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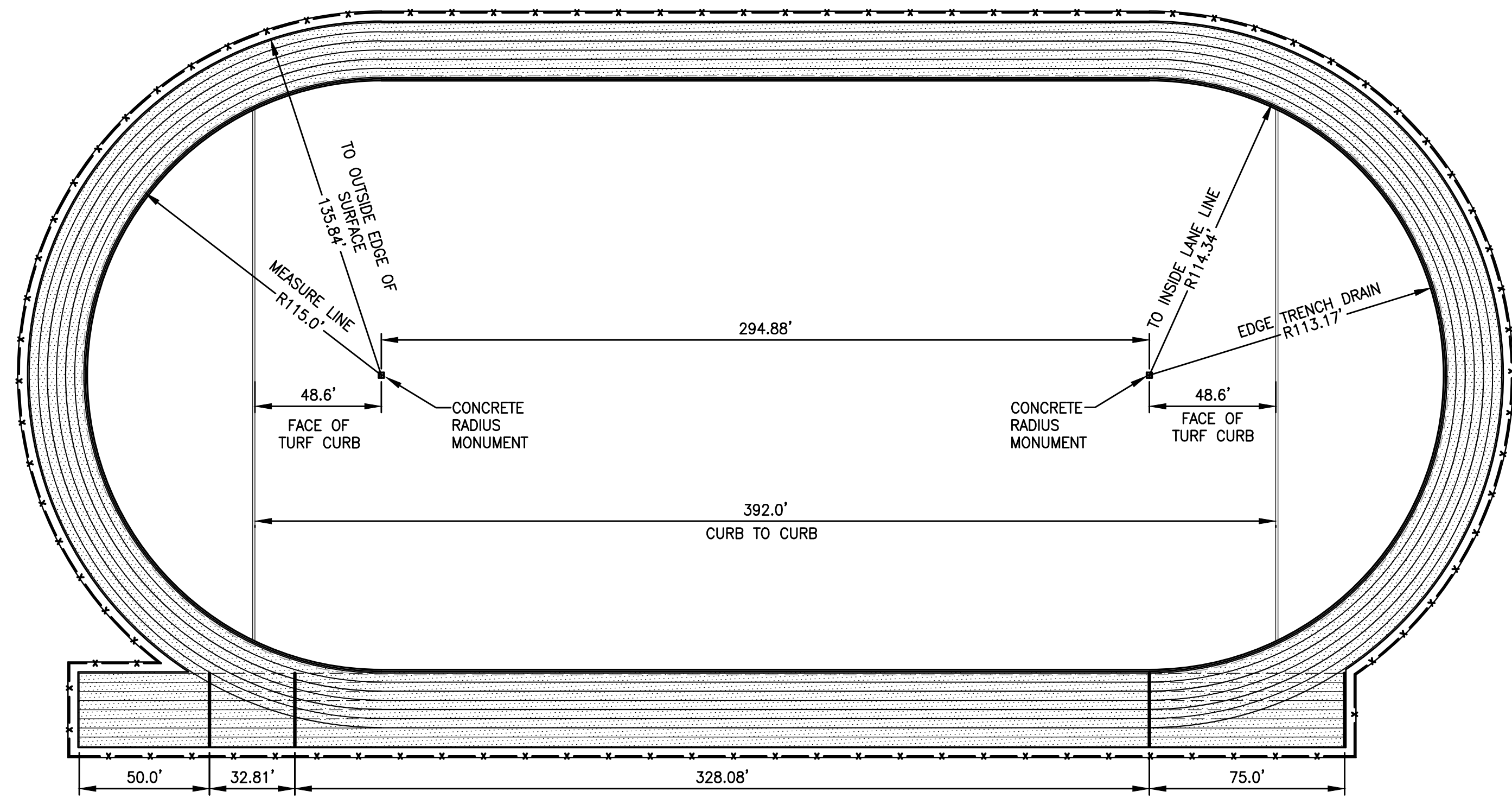
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 OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

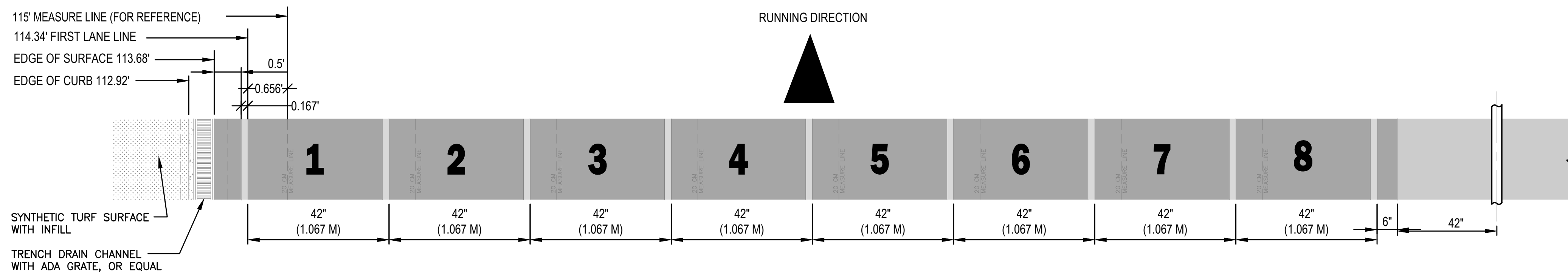
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DRAWING SCALE	N.T.S.		

GRAPHIC SCALE
 SHEET TITLE
SOFTBALL FIELD DETAILS
SHEET 3 OF 3

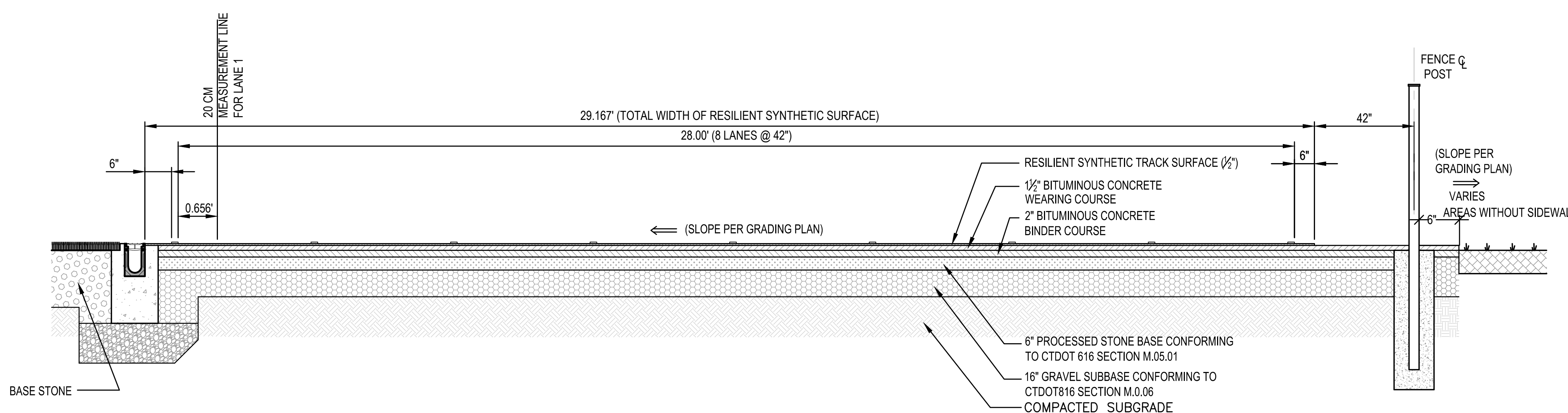
DRAWING NO.
C511
 30 OF 40



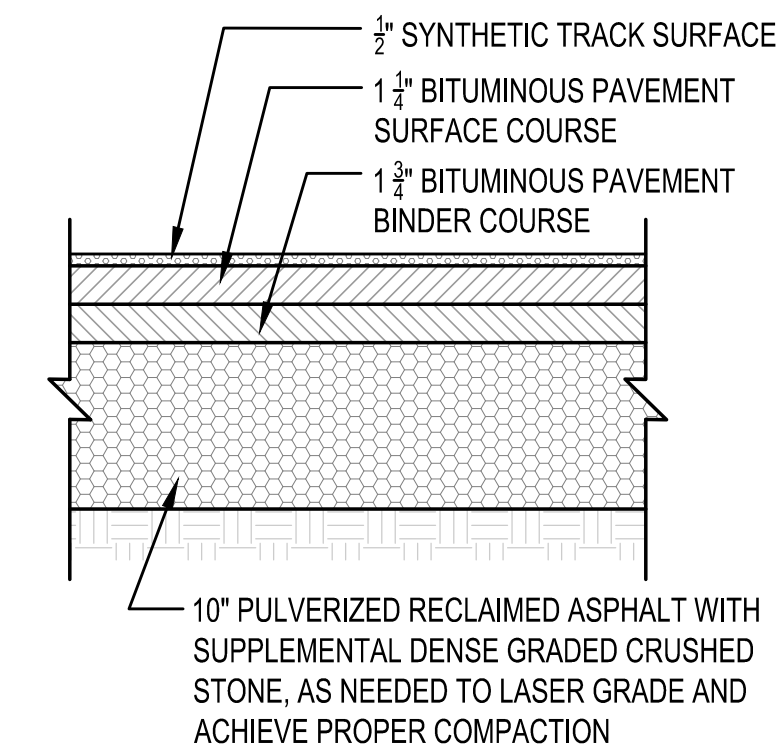
1 115' RADIUS TRACK LAYOUT
N.T.S.



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

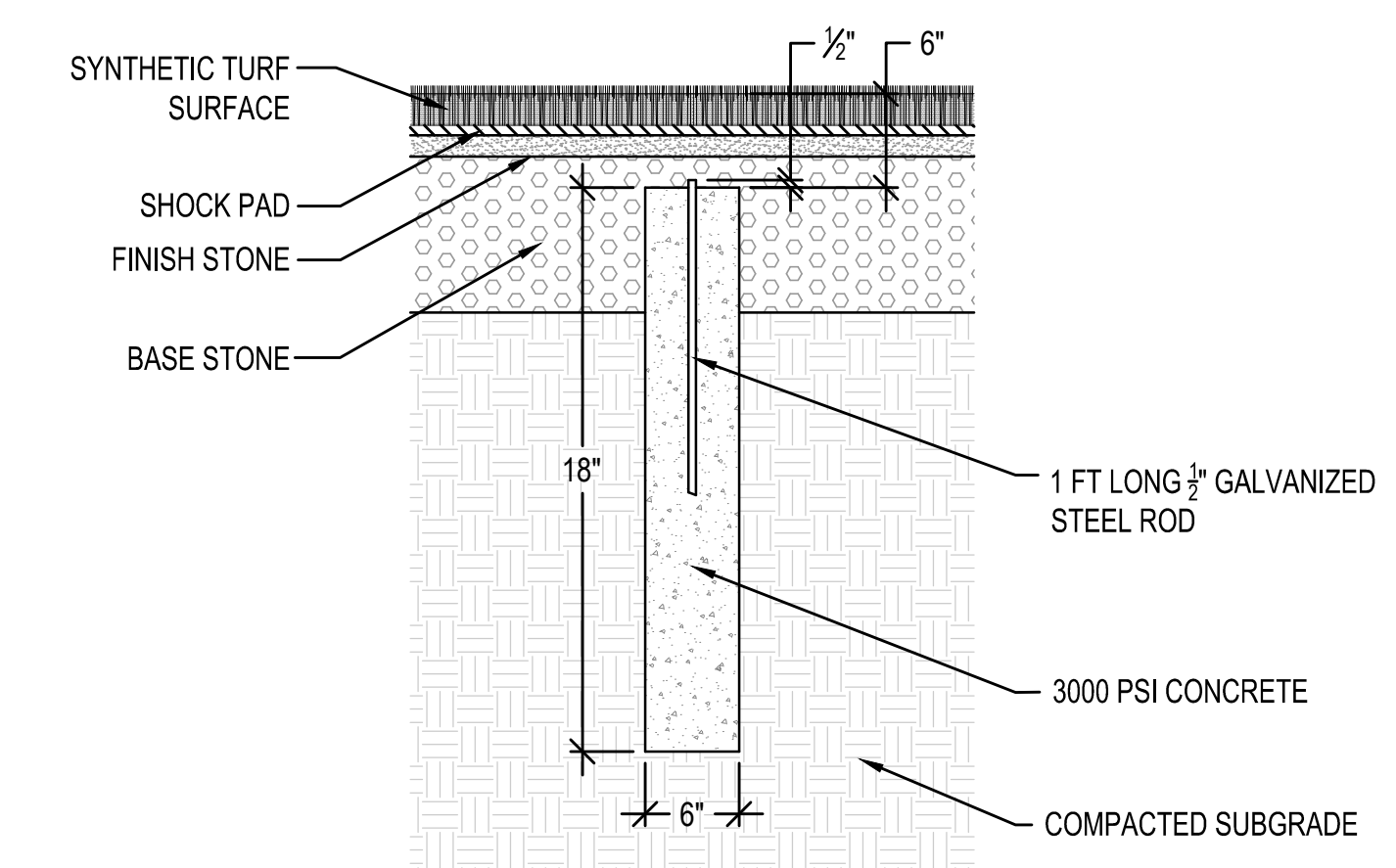


5 SYNTHETIC TRACK STRAIGHT AWAY SECTION (w/FENCE)
N.T.S.

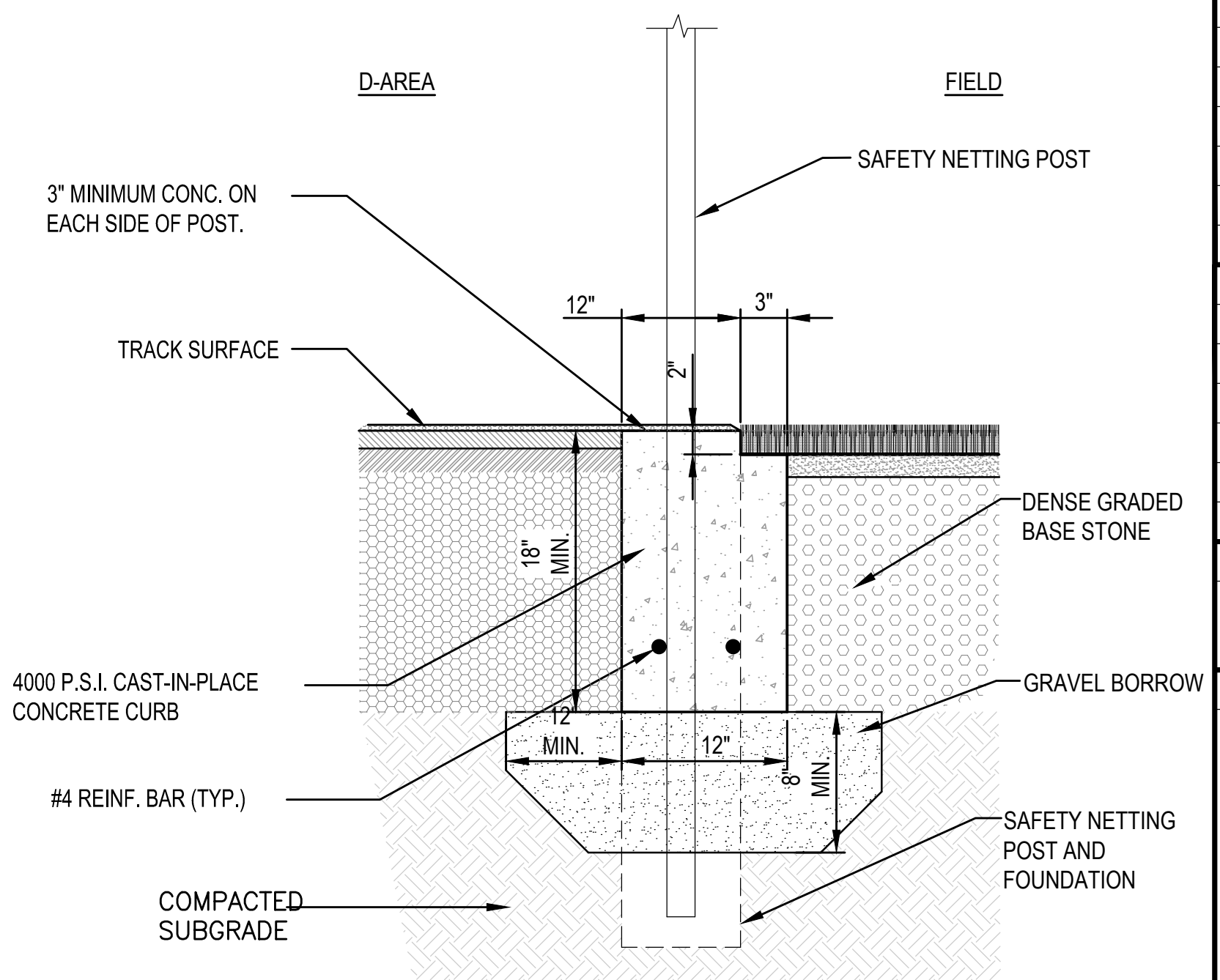


NOTE:
PAVEMENT SHALL BE RECLAIMED TO A DEPTH OF THE EXISTING PAVEMENT THICKNESS PLUS SUB-BASE THICKNESS.

2 TRACK SECTION (TYP.)
N.T.S.



4 CONCRETE RADIUS MONUMENT
N.T.S.



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



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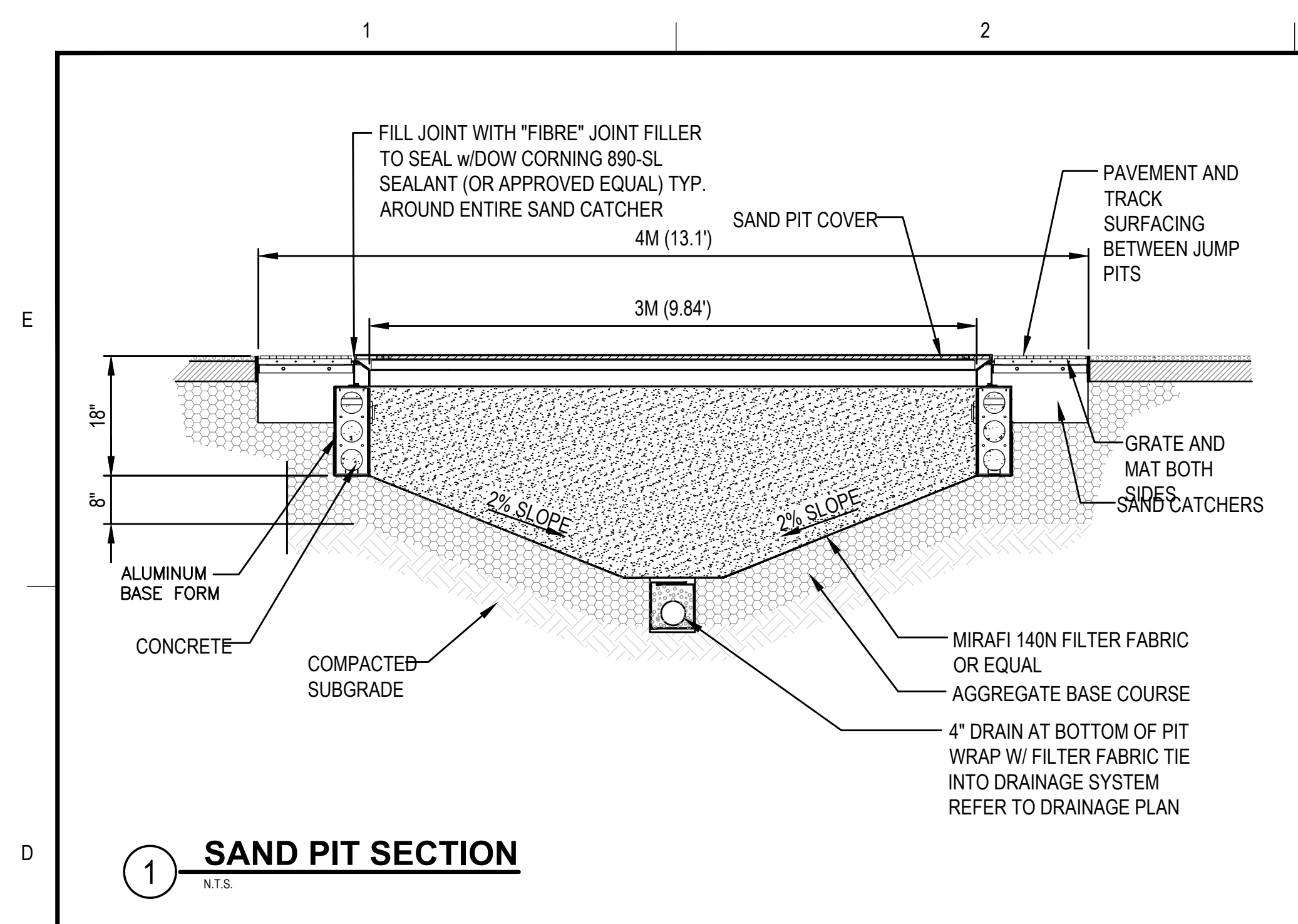
GRAPHIC SCALE

SHEET TITLE

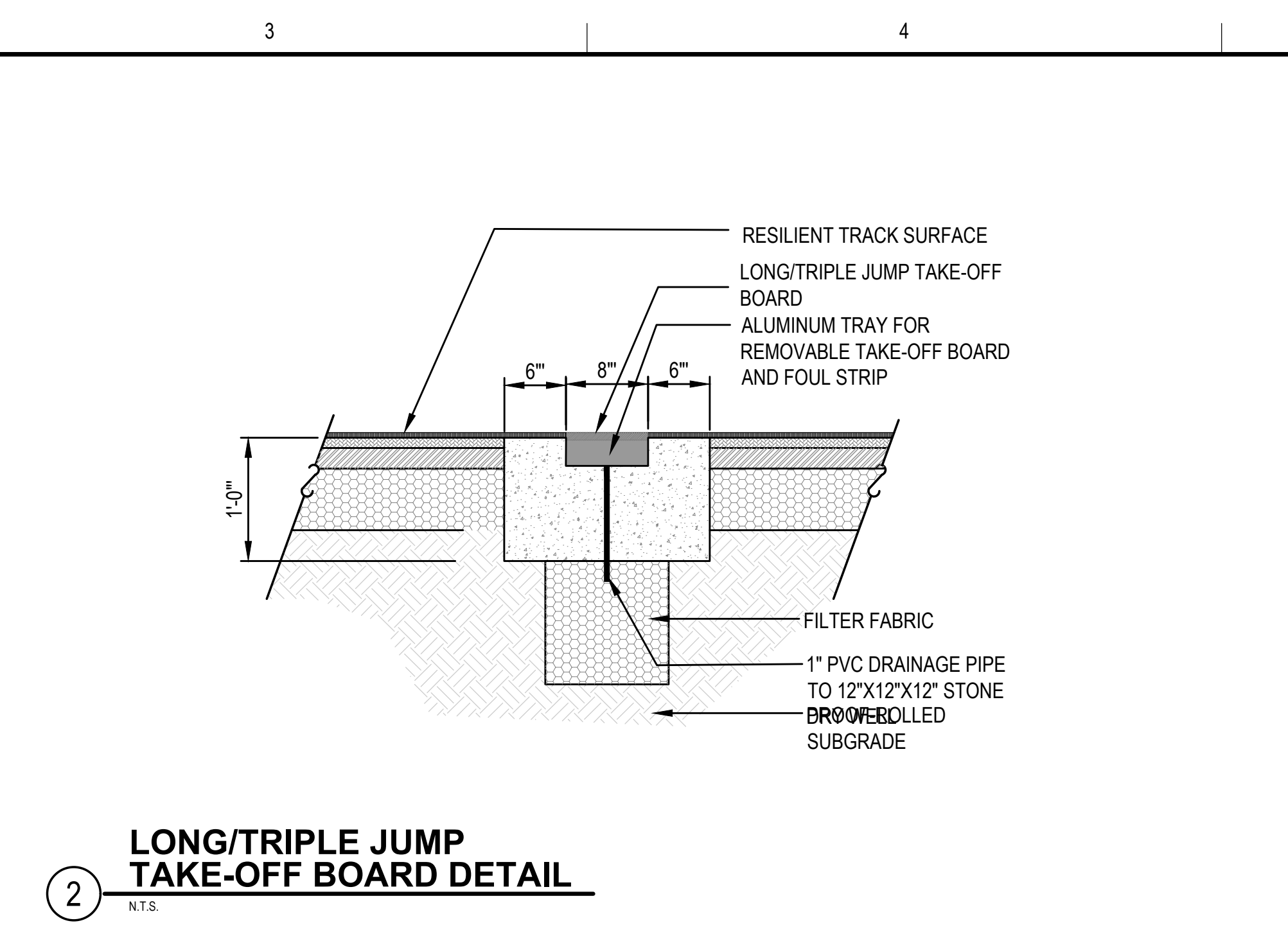
TRACK & FIELD
DETAILS
SHEET 1 OF 6

DRAWING NO.

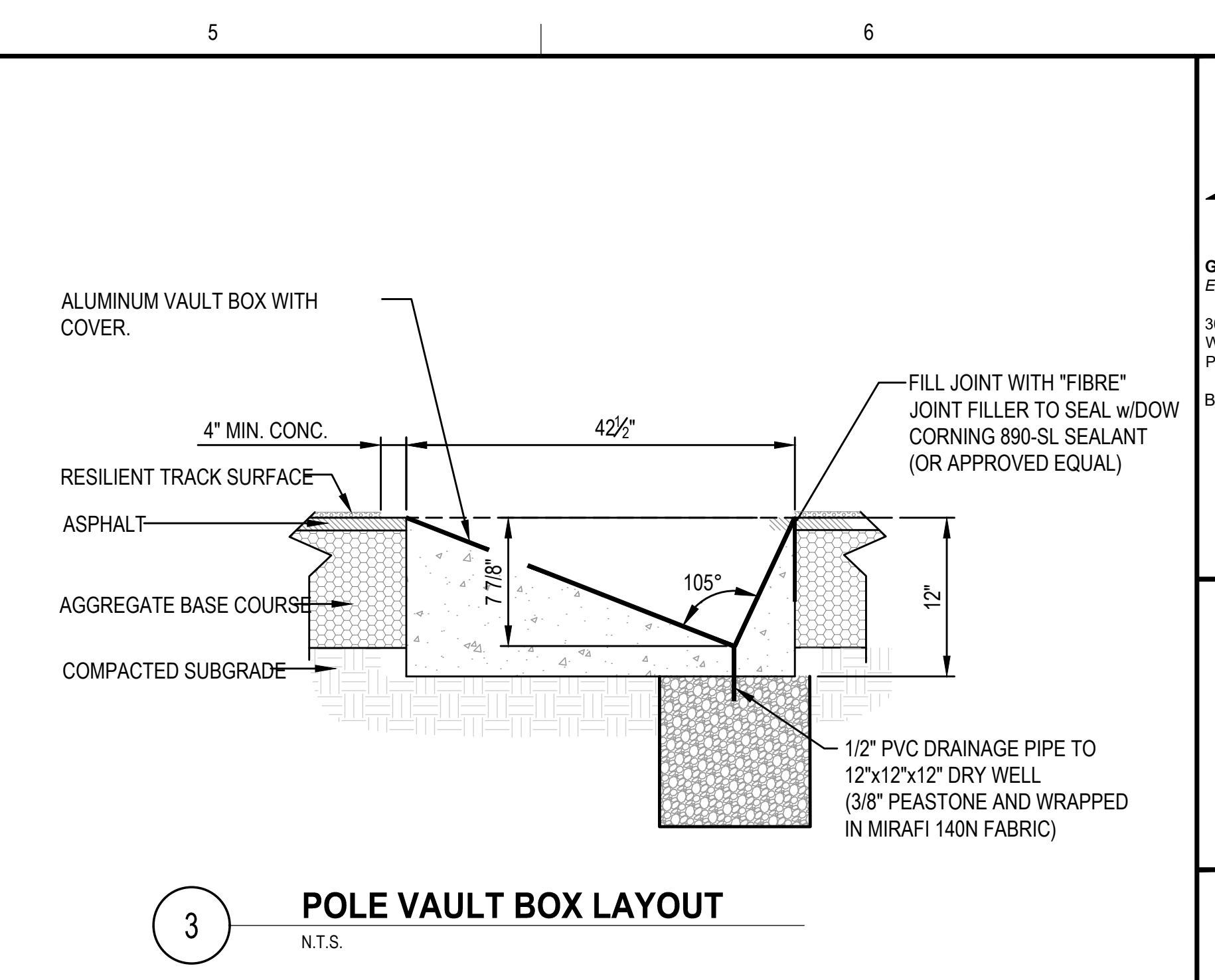
C512



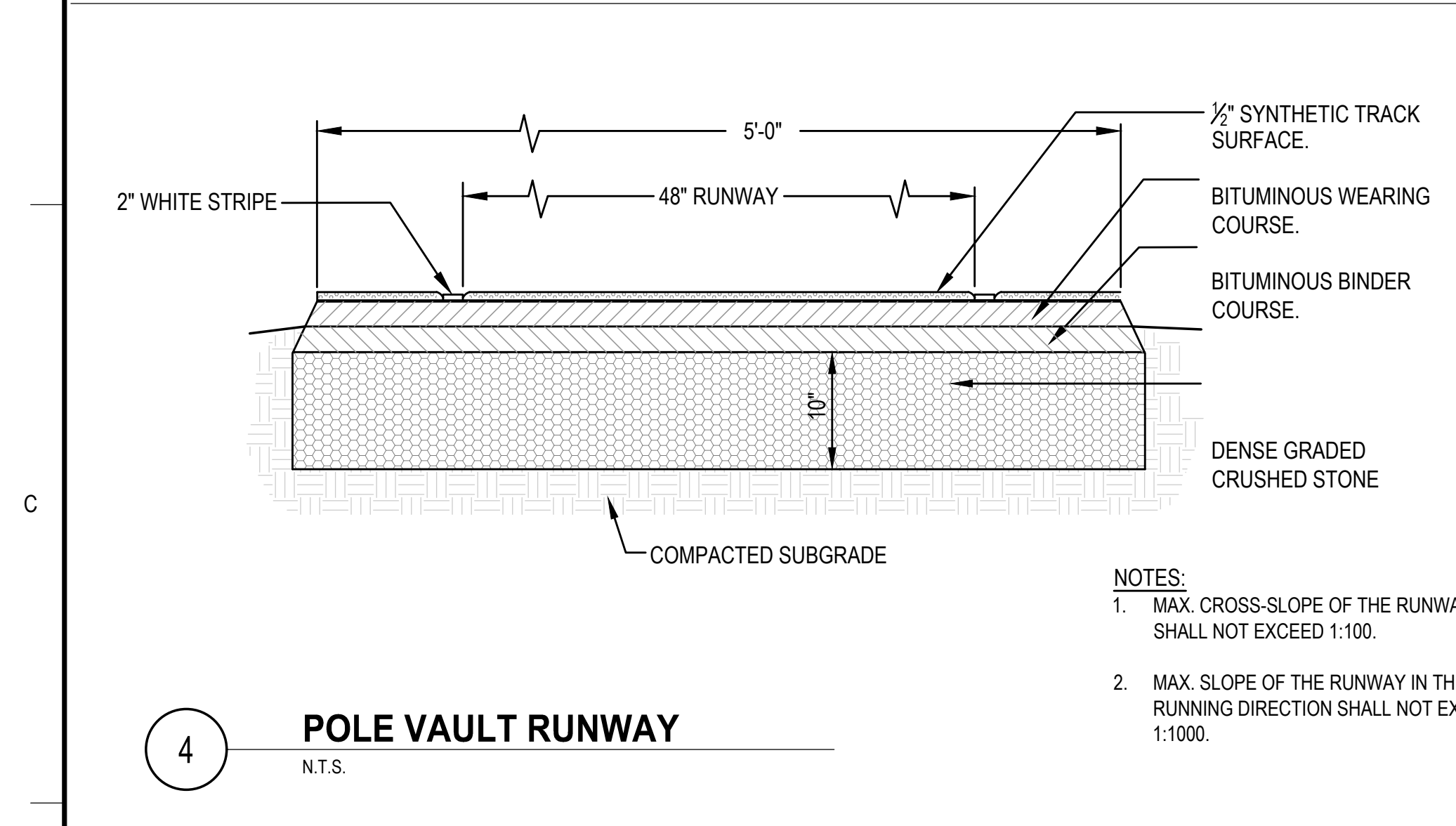
1 SAND PIT SECTION
N.T.S.



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

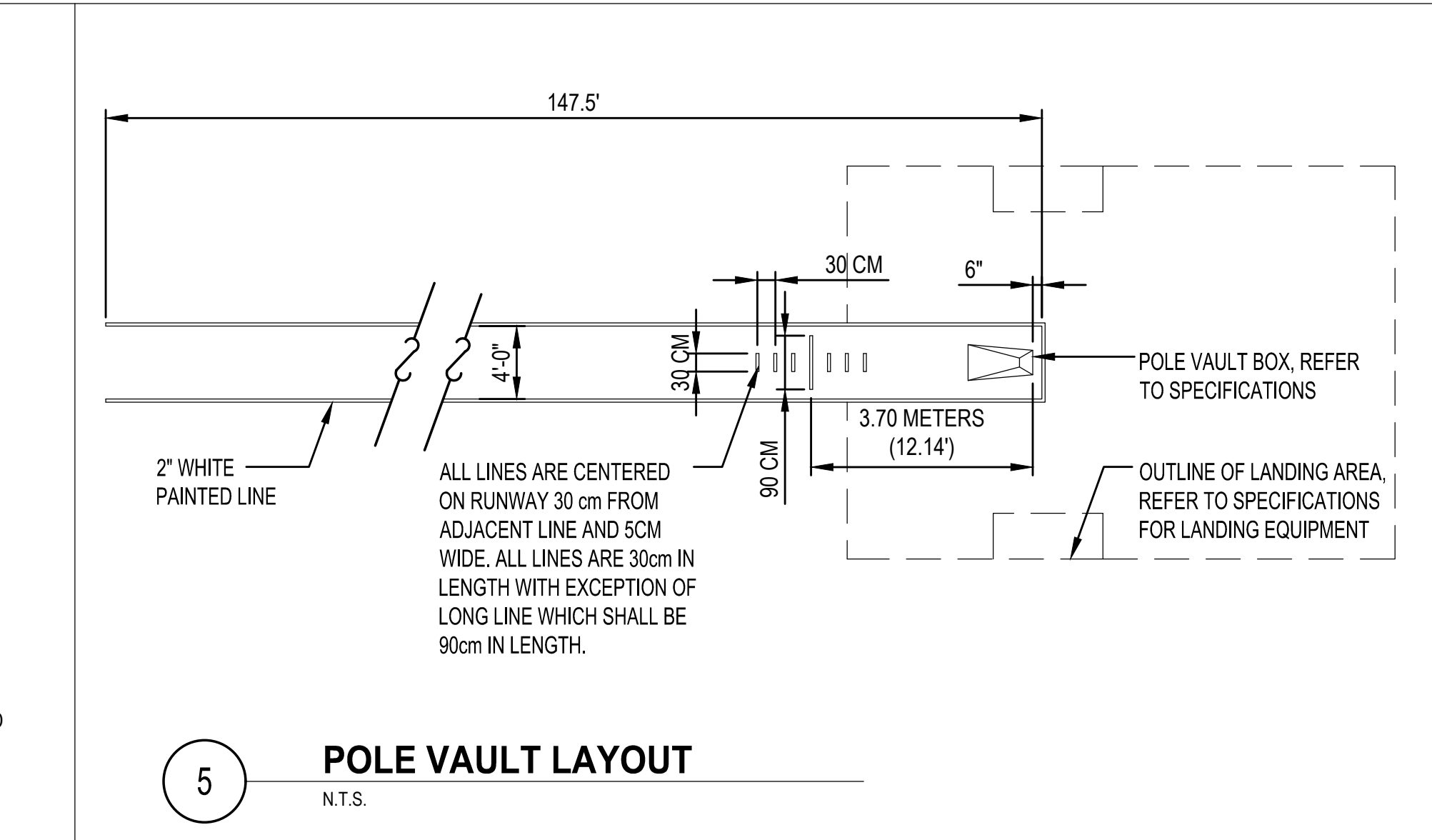


3 POLE VAULT BOX LAYOUT
N.T.S.

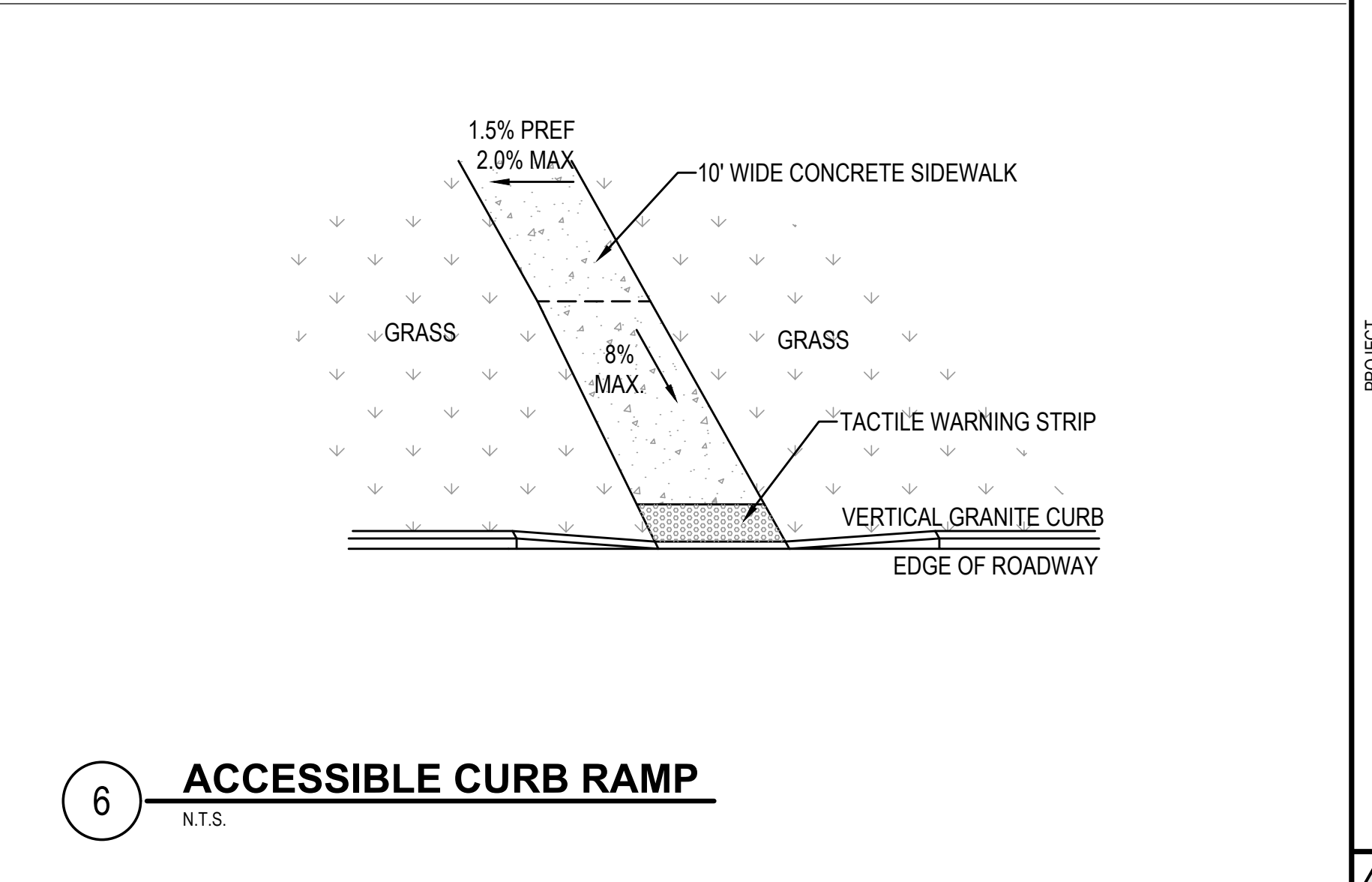


4 POLE VAULT RUNWAY
N.T.S.

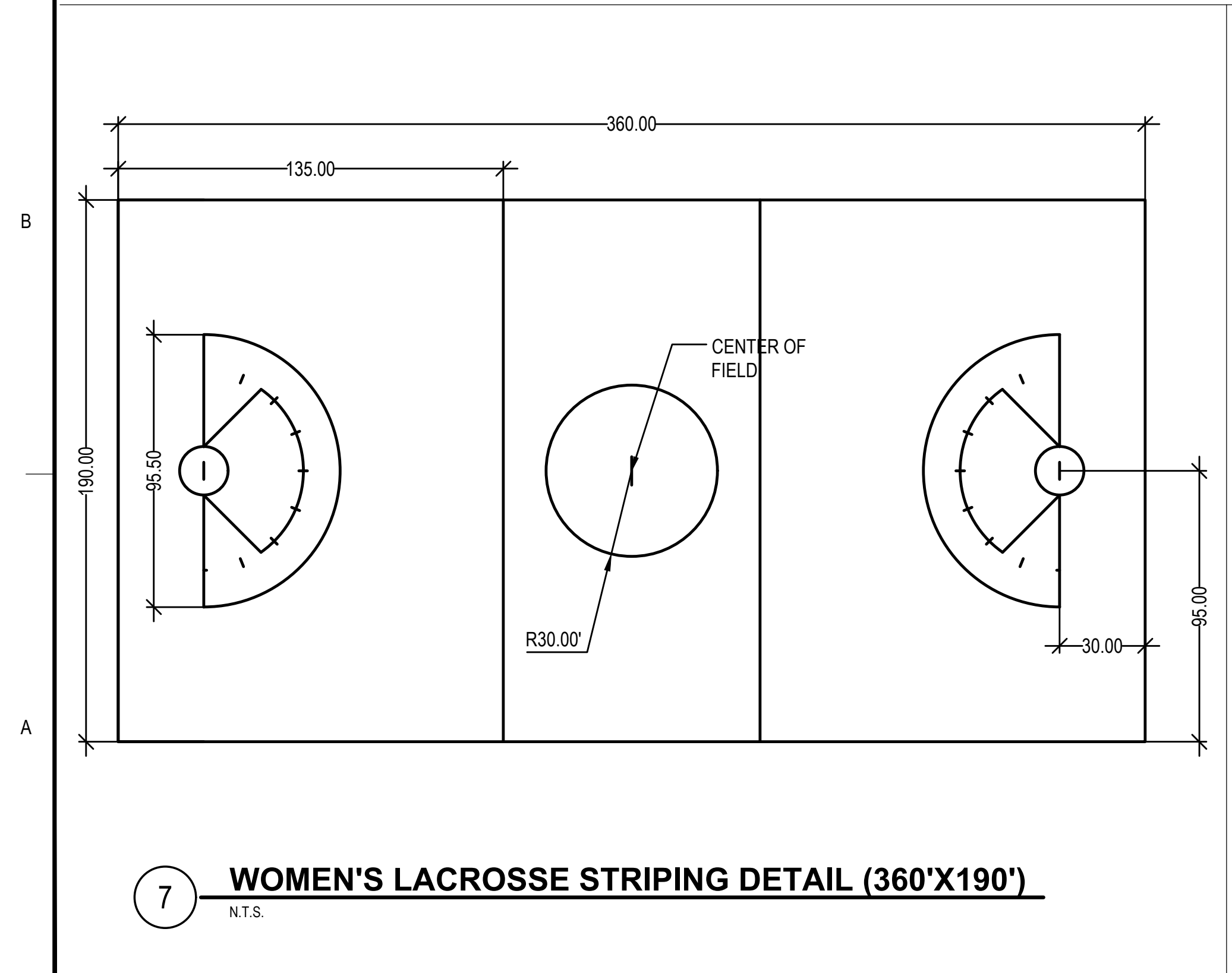
- NOTES:
- MAX. CROSS-SLOPE OF THE RUNWAY SHALL NOT EXCEED 1:100.
 - MAX. SLOPE OF THE RUNWAY IN THE RUNNING DIRECTION SHALL NOT EXCEED 1:1000.



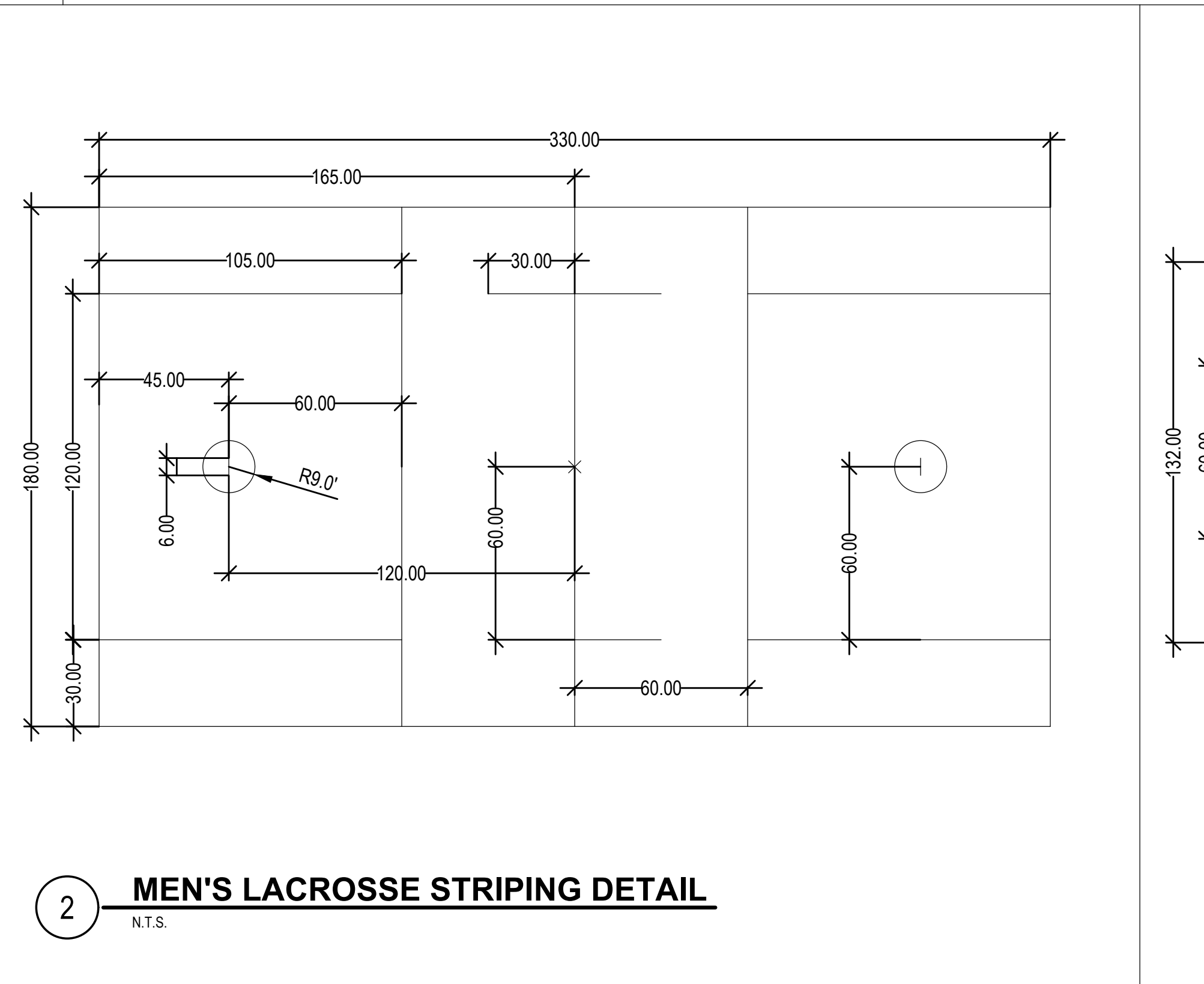
5 POLE VAULT LAYOUT
N.T.S.



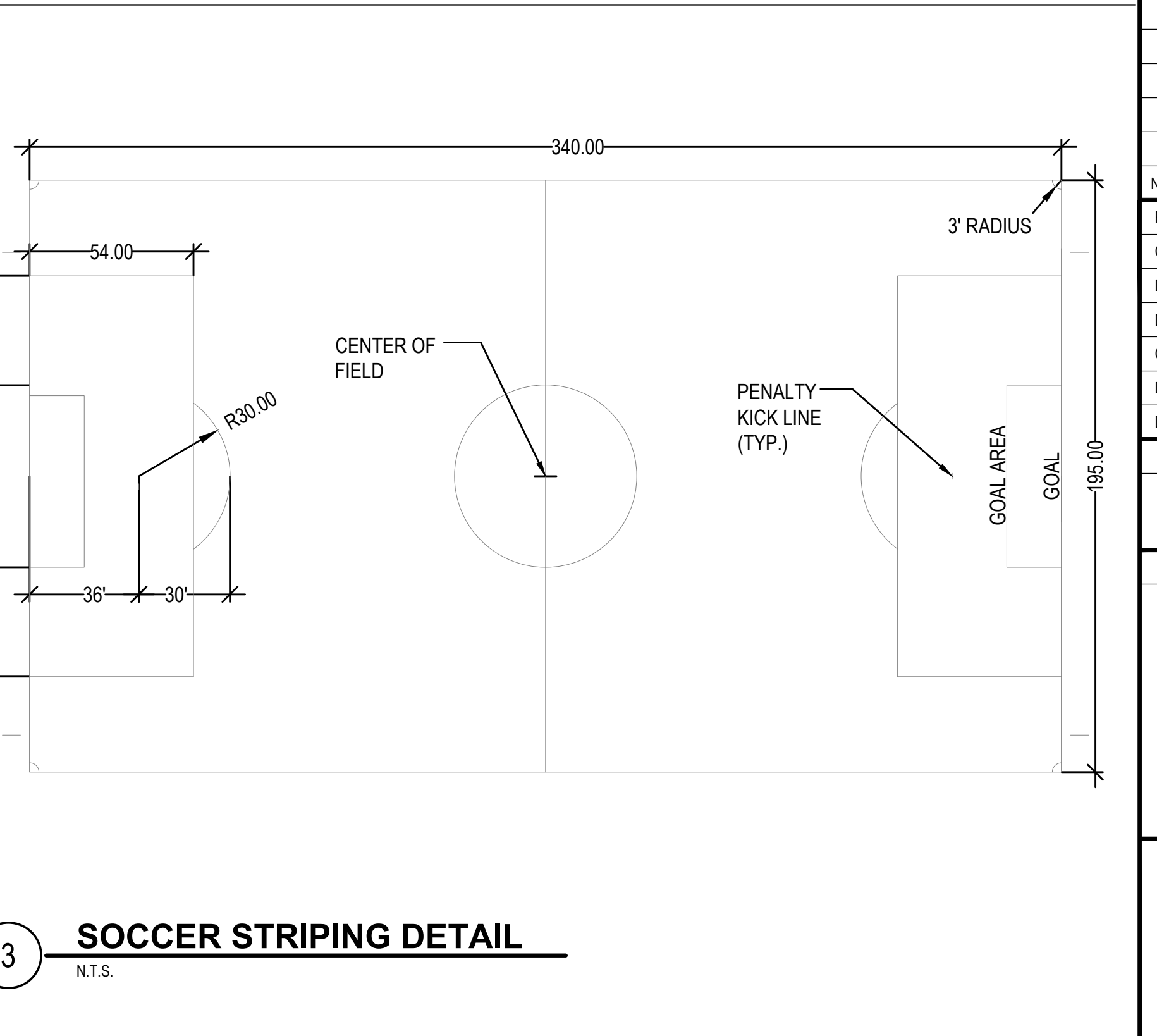
6 ACCESSIBLE CURB RAMP
N.T.S.



7 WOMEN'S LACROSSE STRIPING DETAIL (360'X190')
N.T.S.



2 MEN'S LACROSSE STRIPING DETAIL
N.T.S.



3 SOCCER STRIPING DETAIL
N.T.S.

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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
1	2/13/2024	PEER REVIEW COMM.	KFR

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718601		
CADD FILE	718601_C500		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	N.T.S.		

GRAPHIC SCALE

SHEET TITLE

TRACK & FIELD
DETAILS
SHEET 2 OF 6

DRAWING NO.
C513
32 OF 40

1

2

3

4

5

6

E

D

C

B

A

RESERVE FOR
FUTURE USE

RESERVE FOR
FUTURE USE

RESERVE FOR
FUTURE USE

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

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DRAWING SCALE	N.T.S.

GRAPHIC SCALE

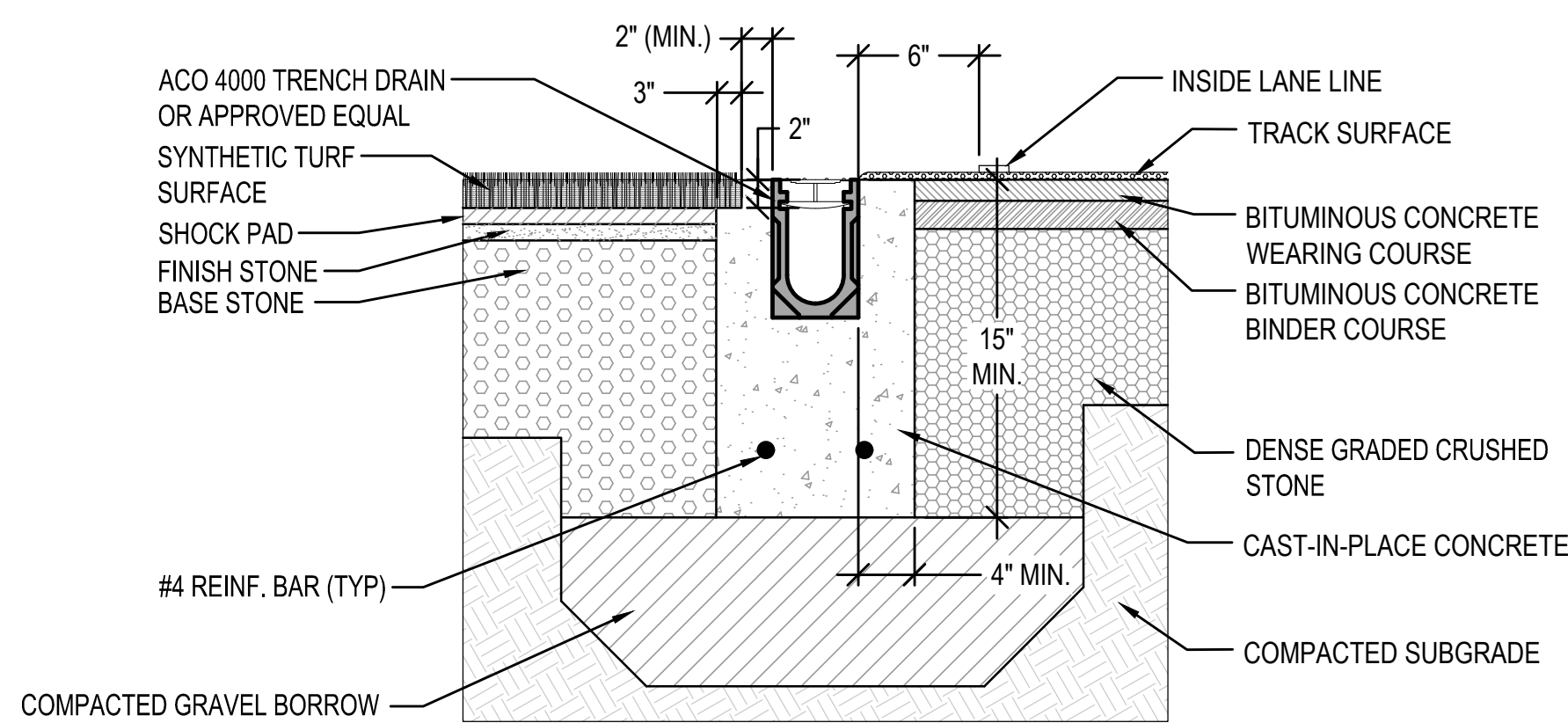
SHEET TITLE

TRACK & FIELD
DETAILS
SHEET 3 OF 6

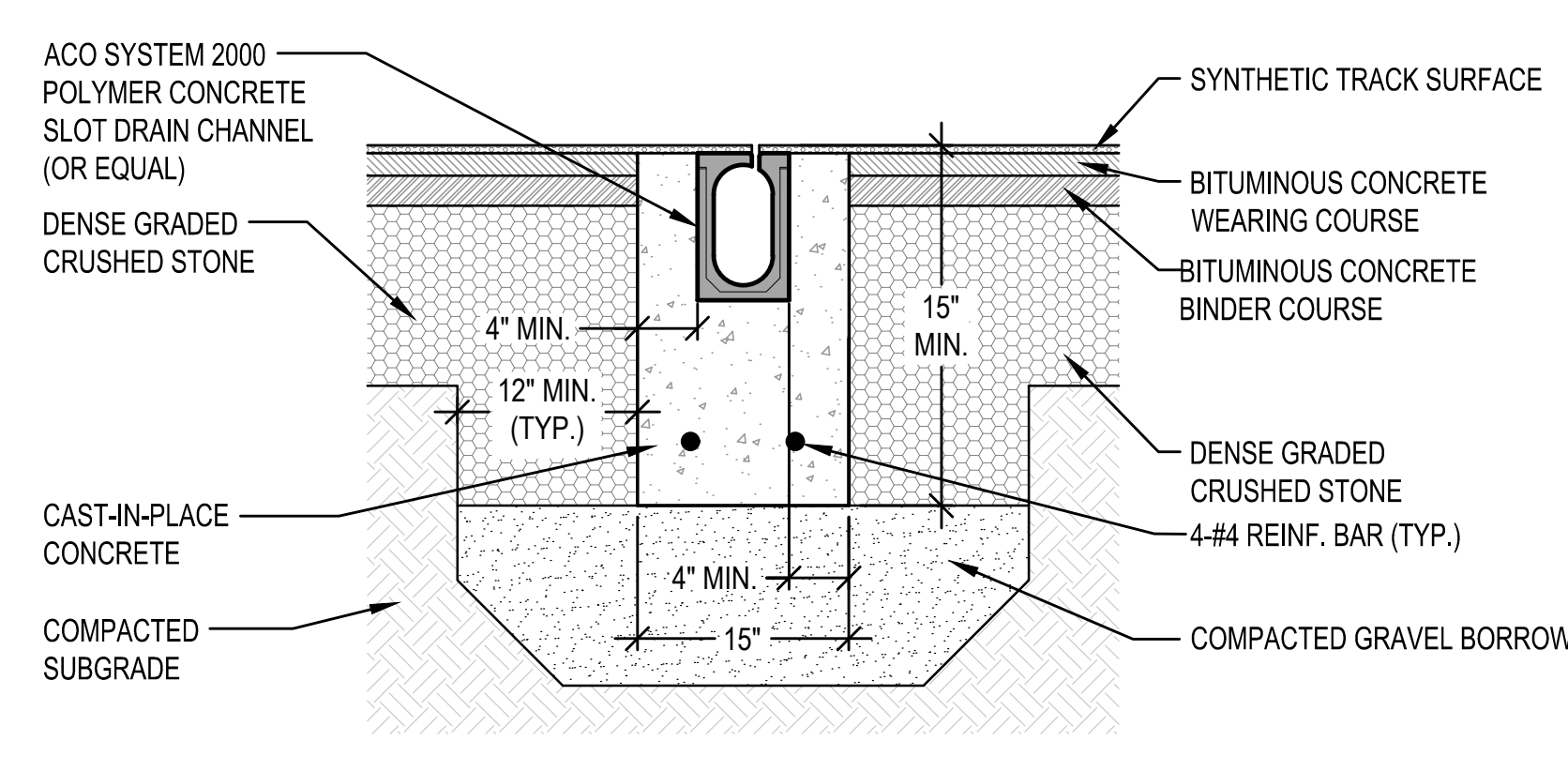
DRAWING NO.

C514

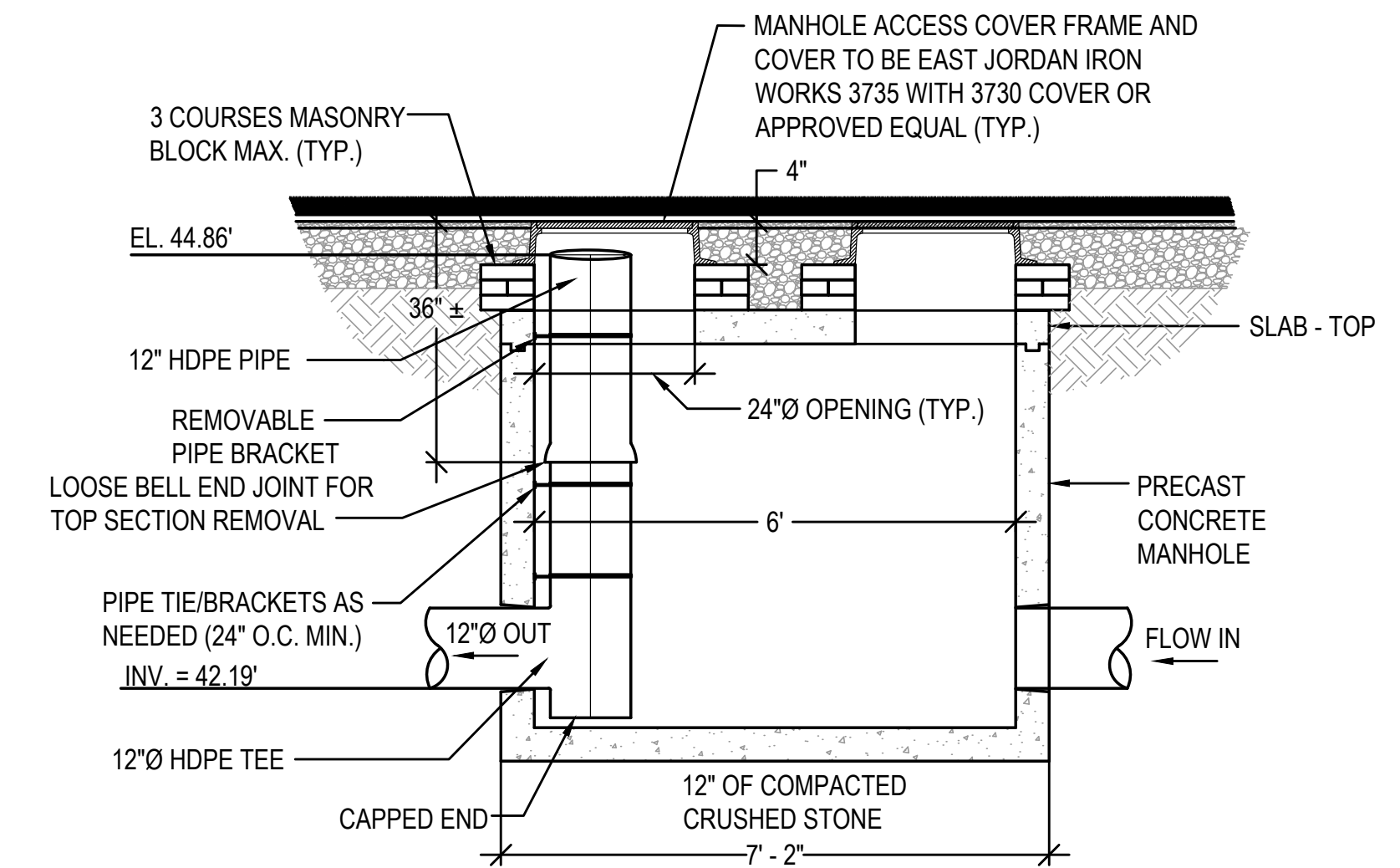
33 OF 40



1 TRENCH DRAIN AT TRACK
N.T.S.



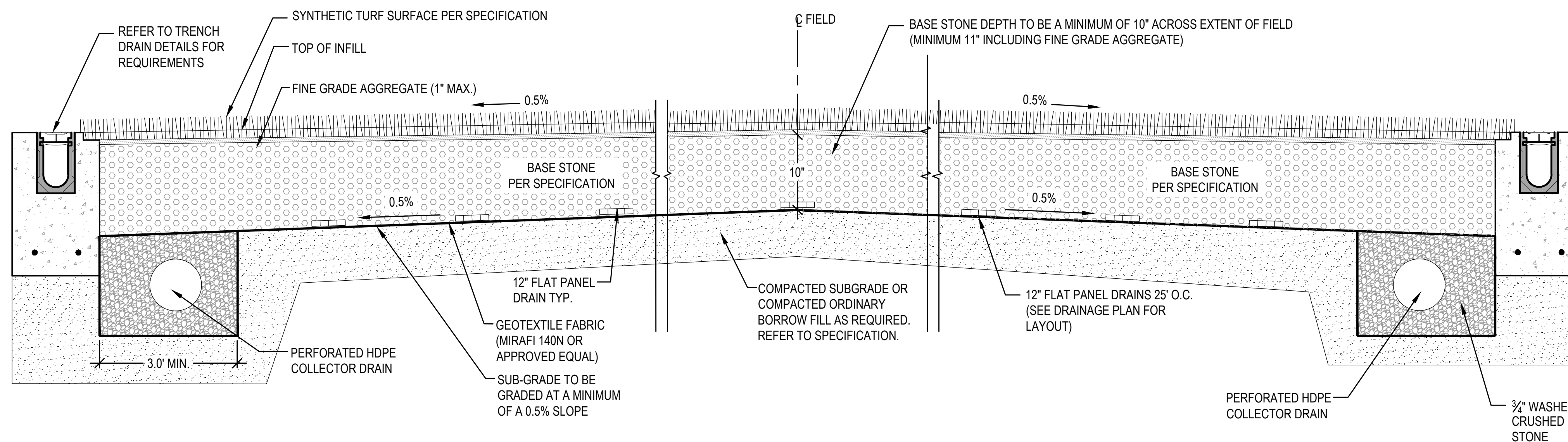
2 SLOT DRAIN DETAIL
N.T.S.



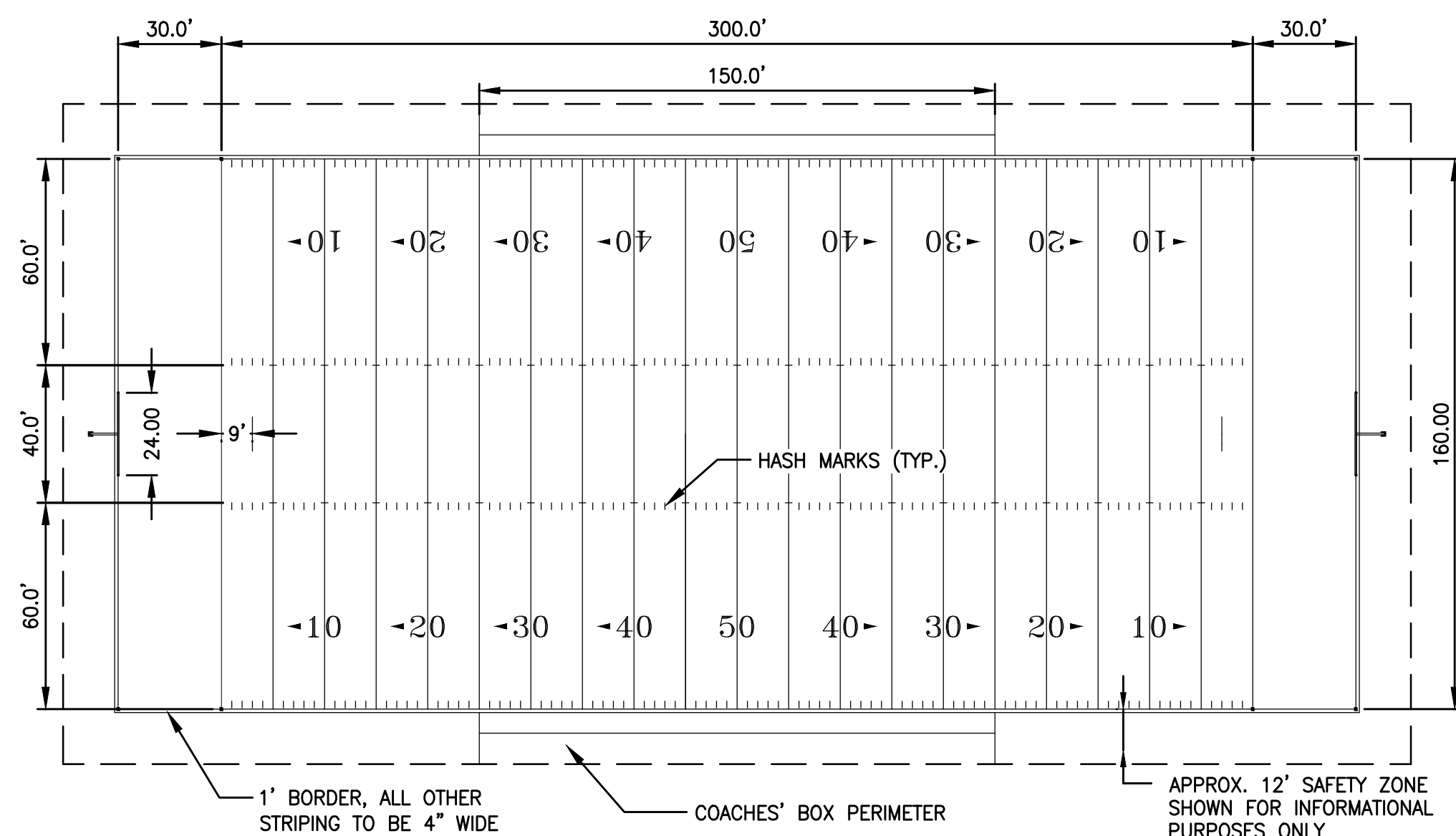
3 OUTLET CONTROL STRUCTURE (OCS #1)
N.T.S.

NOTES:

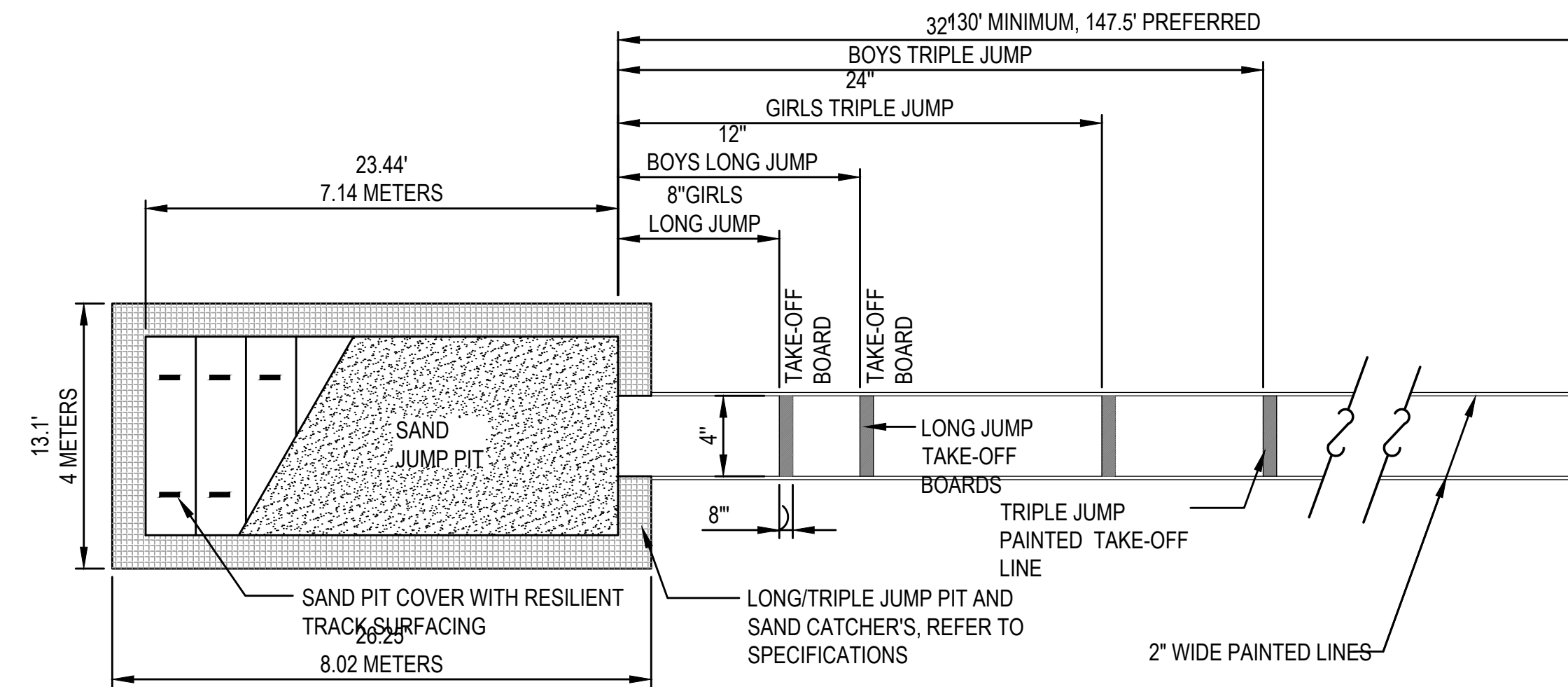
- WHERE INFILTRATION COMPONENTS ARE INSTALLED IN TRENCHES, TRENCH SHALL BE OVER EXCAVATED A MINIMUM OF 12 INCHES IN ALL DIRECTIONS, BACKFILLED, AND COMPACTED TO 95% FIELD DENSITY IN 6 INCH LIFTS WITH SUITABLE GRANULAR MATERIAL TO THE TOP OF THE TRENCH; AND RE-EXCAVATED FOR INSTALLATION OF PIPE AND STONE.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



5 FOOTBALL STRIPING DETAIL
N.T.S.



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



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HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982**

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

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DRAWING SCALE	N.T.S.		

GRAPHIC SCALE

SHEET TITLE
**TRACK & FIELD
DETAILS
SHEET 4 OF 6**

DRAWING NO.
C515

34 OF 40

RESERVE FOR FUTURE USE

RESERVE FOR FUTURE USE

RESERVE FOR FUTURE USE



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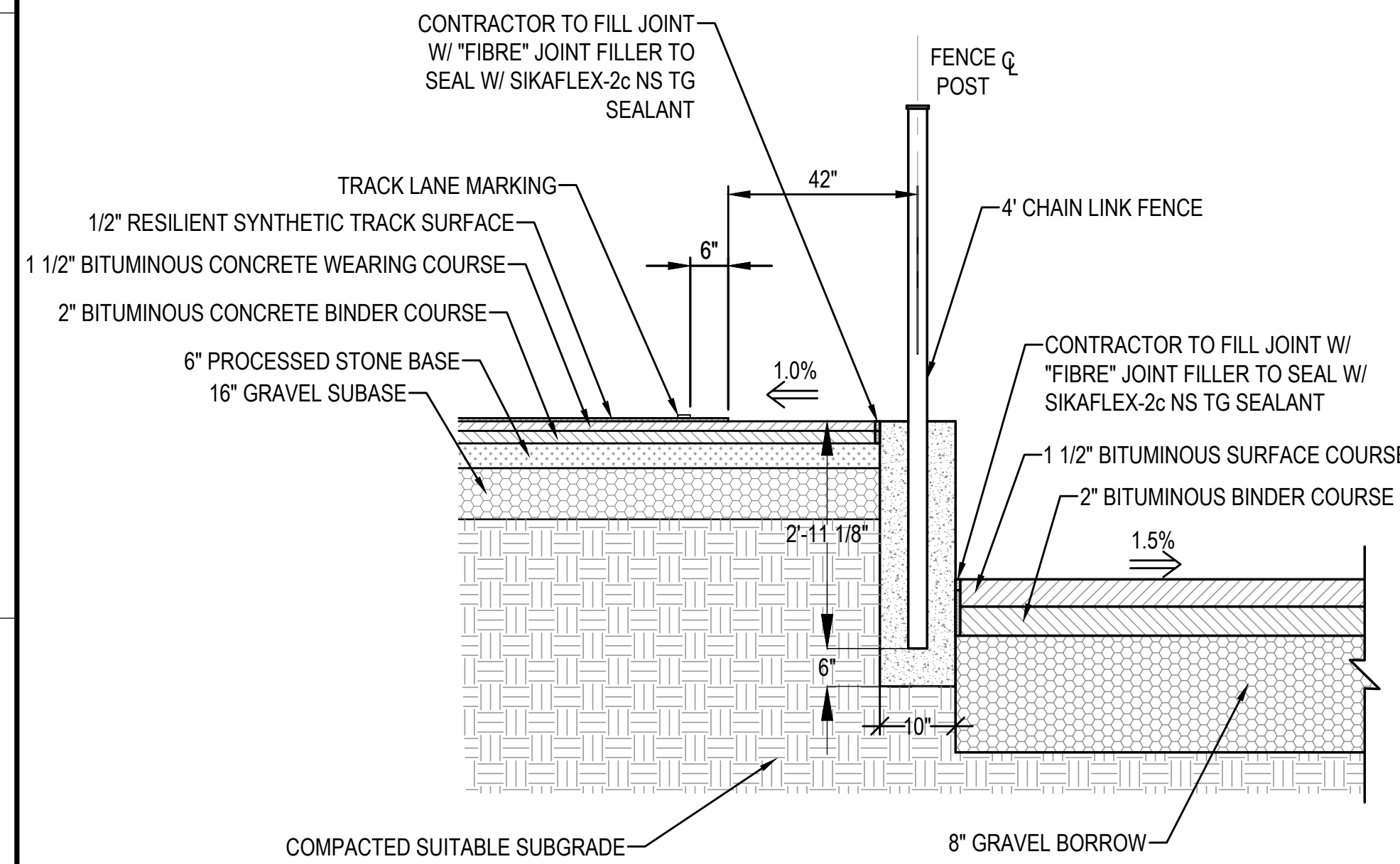
PROJECT
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775 BAY ROAD
SOUTH HAMILTON, MA 01982
OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
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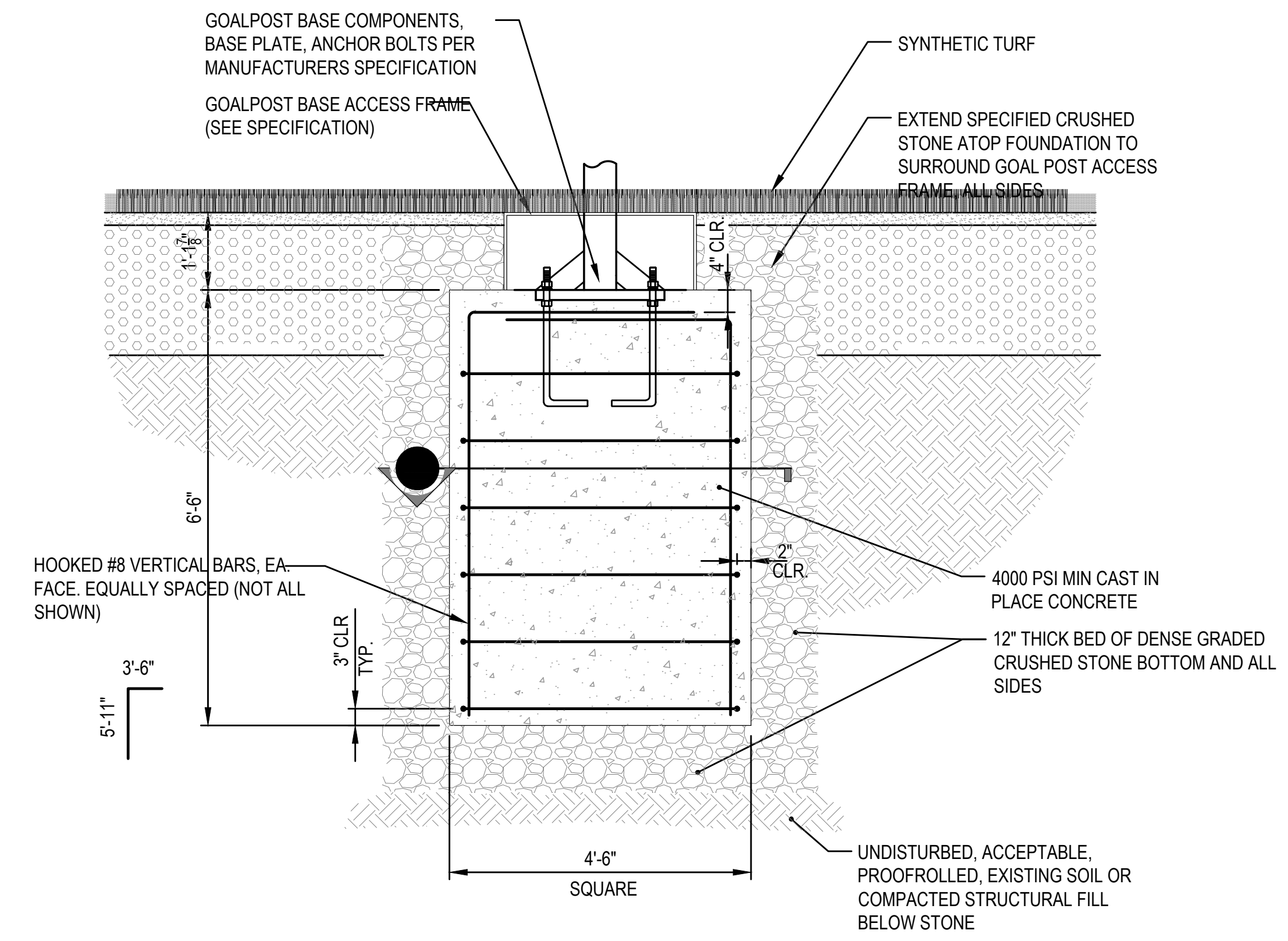
2/13/2024	PEER REVIEW COMM.	KFR
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SHEET TITLE
TRACK & FIELD DETAILS
SHEET 5 OF 6

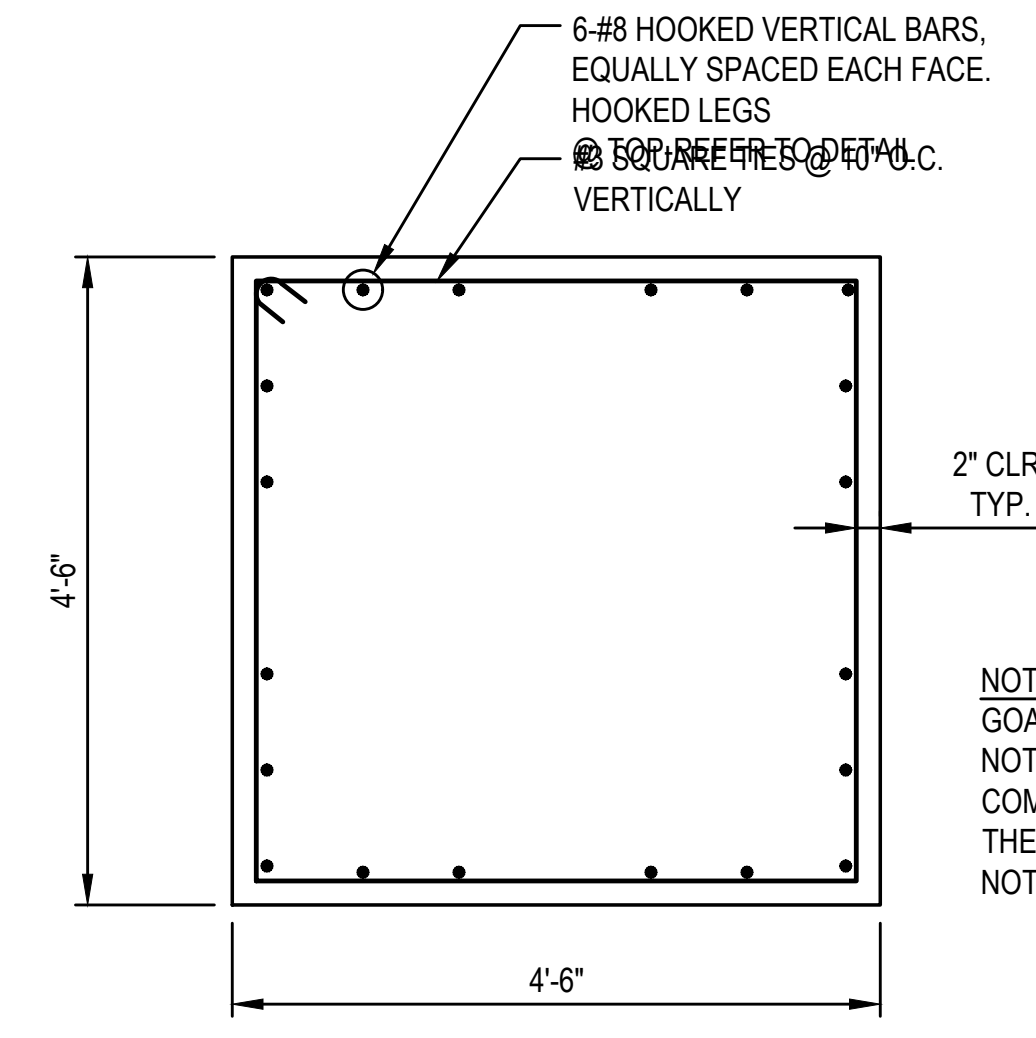
DRAWING NO.
C516
35 OF 40



4 SECTION D-D
N.T.S.



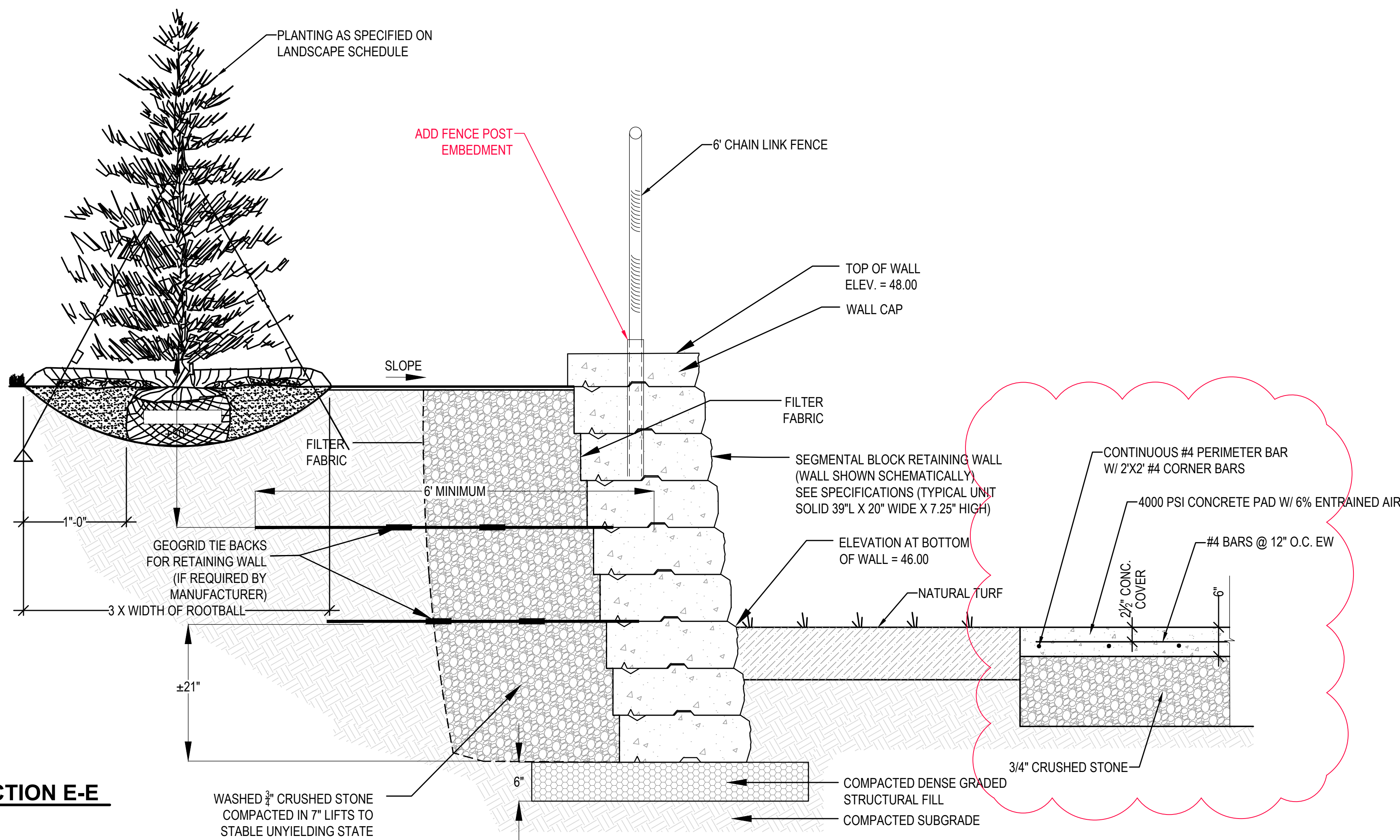
5 FOOTBALL GOAL POST FOUNDATION
N.T.S.



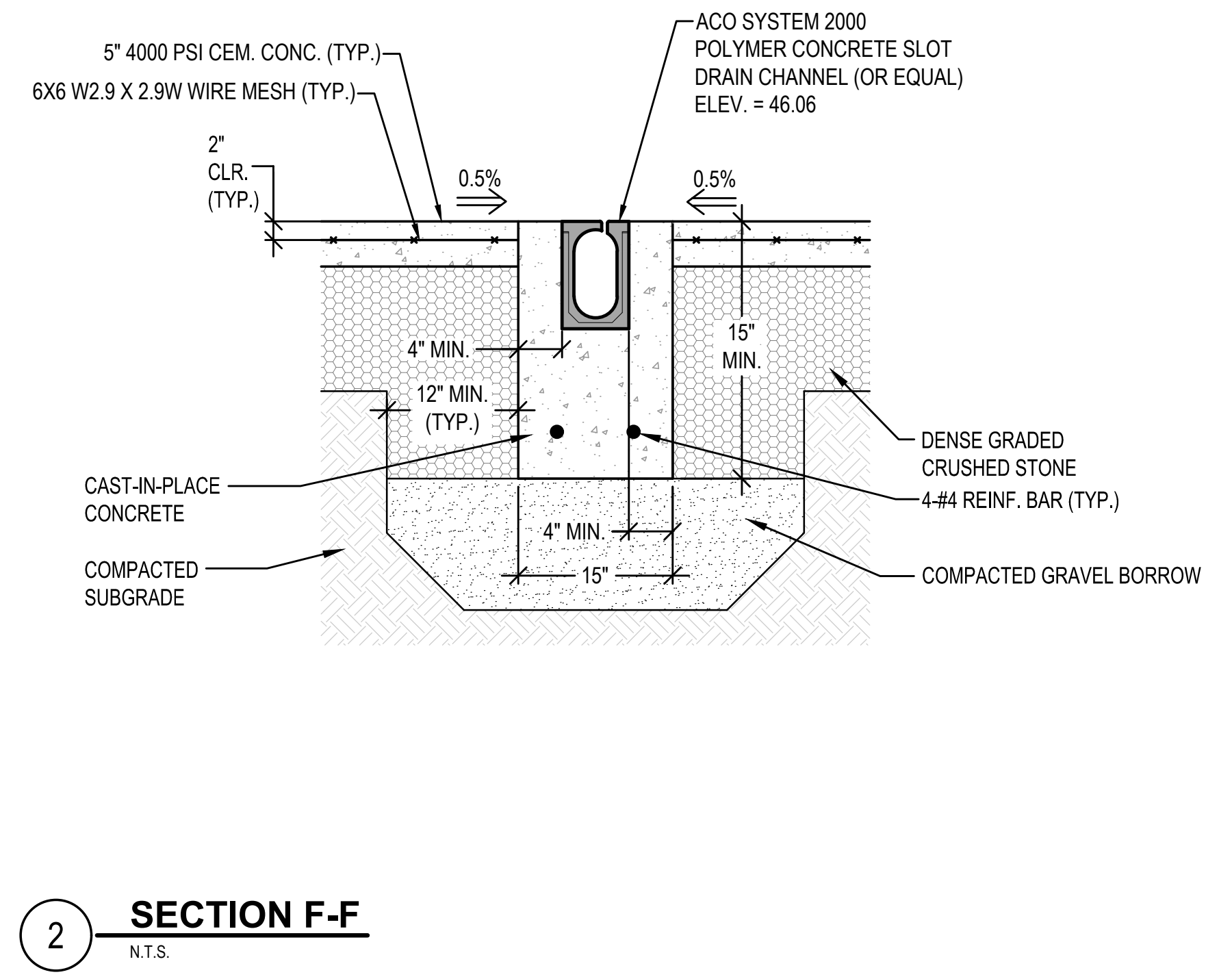
5A SECTION A-A
N.T.S.

NOTE:
GOAL POST FOUNDATION IS NOT CONSIDERED AS A COMPRESSION MEMBER, THEREFORE SEISMIC TIES NOT REQUIRED

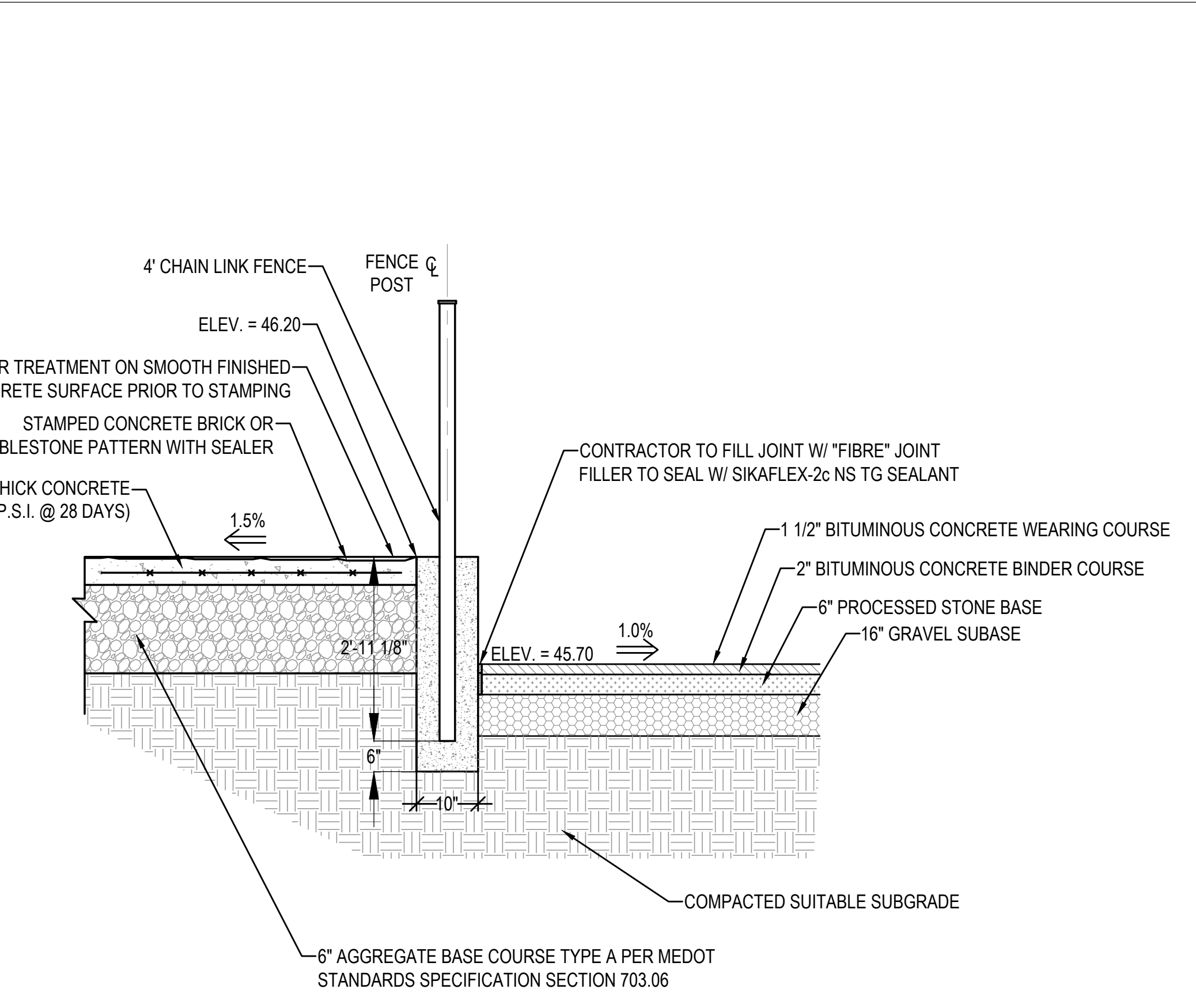
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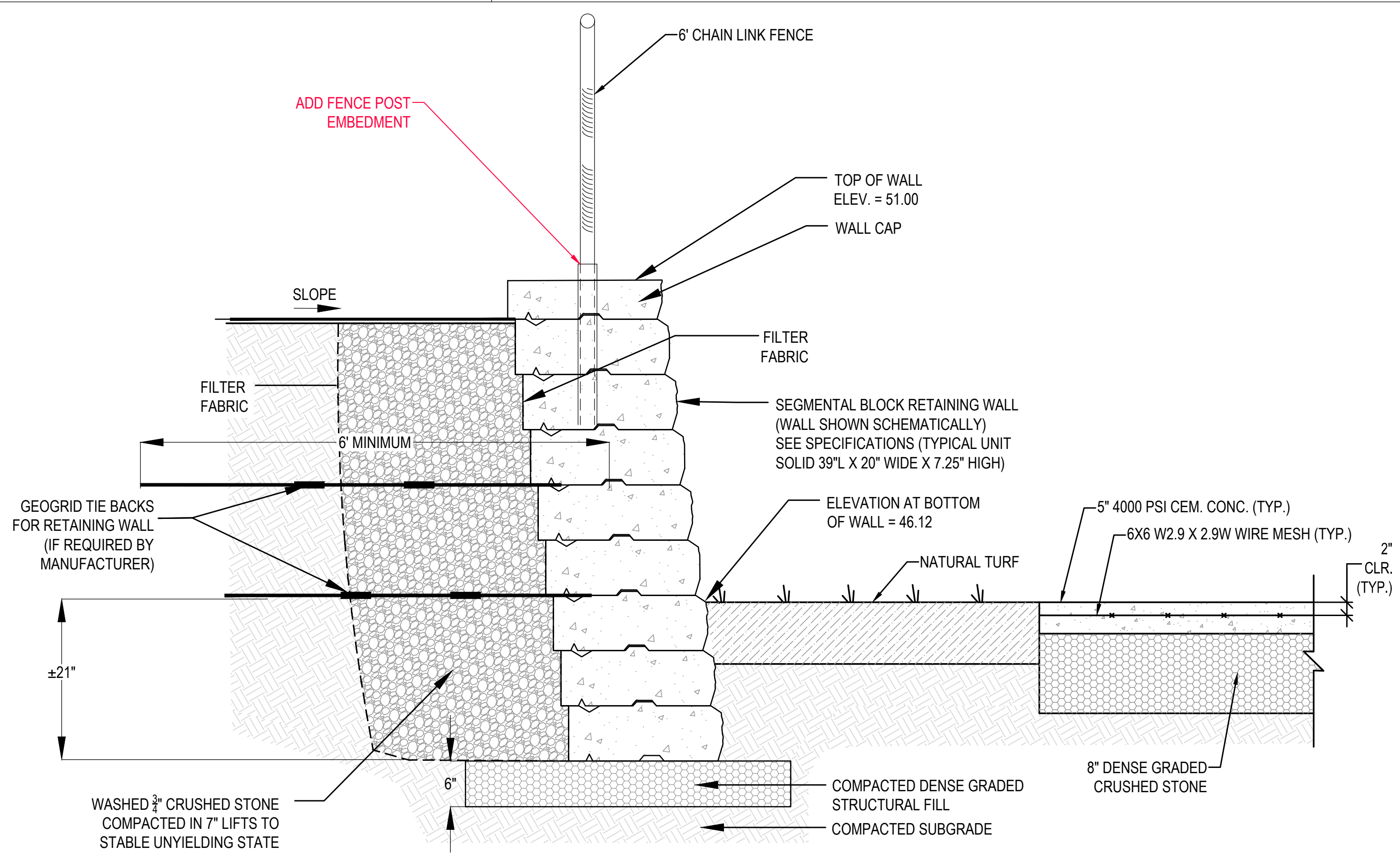
1 SECTION E-E
N.T.S.



2 SECTION F-F
N.T.S.



3 SECTION G-G
N.T.S.



4 SECTION H-H
N.T.S.

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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**

2/13/2024	PEER REVIEW COMM.	KFR	
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DRAWING SCALE	N.T.S.		

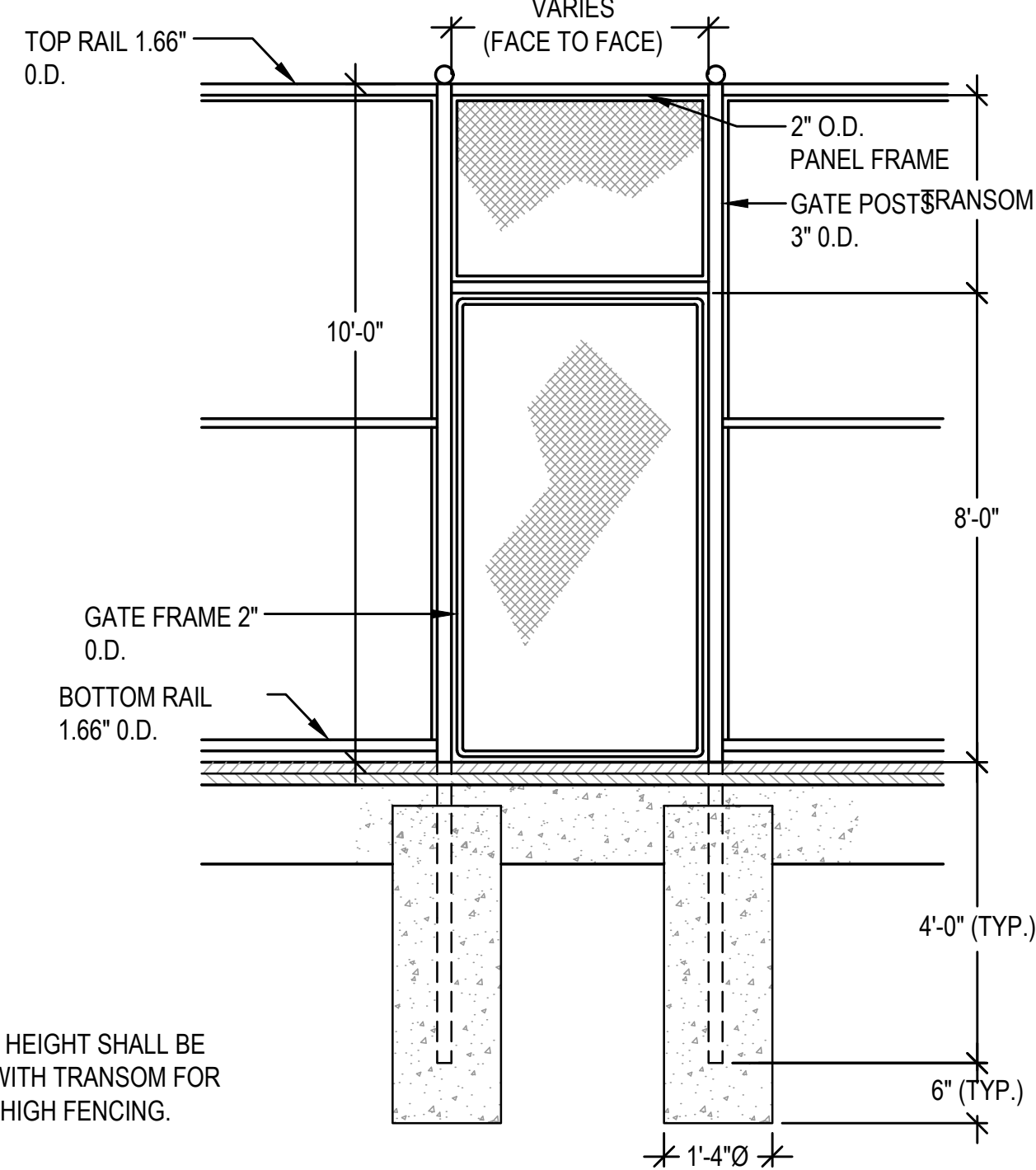
GRAPHIC SCALE

SHEET TITLE

**TRACK & FIELD
DETAILS
SHEET 6 OF 6**

DRAWING NO.
C517

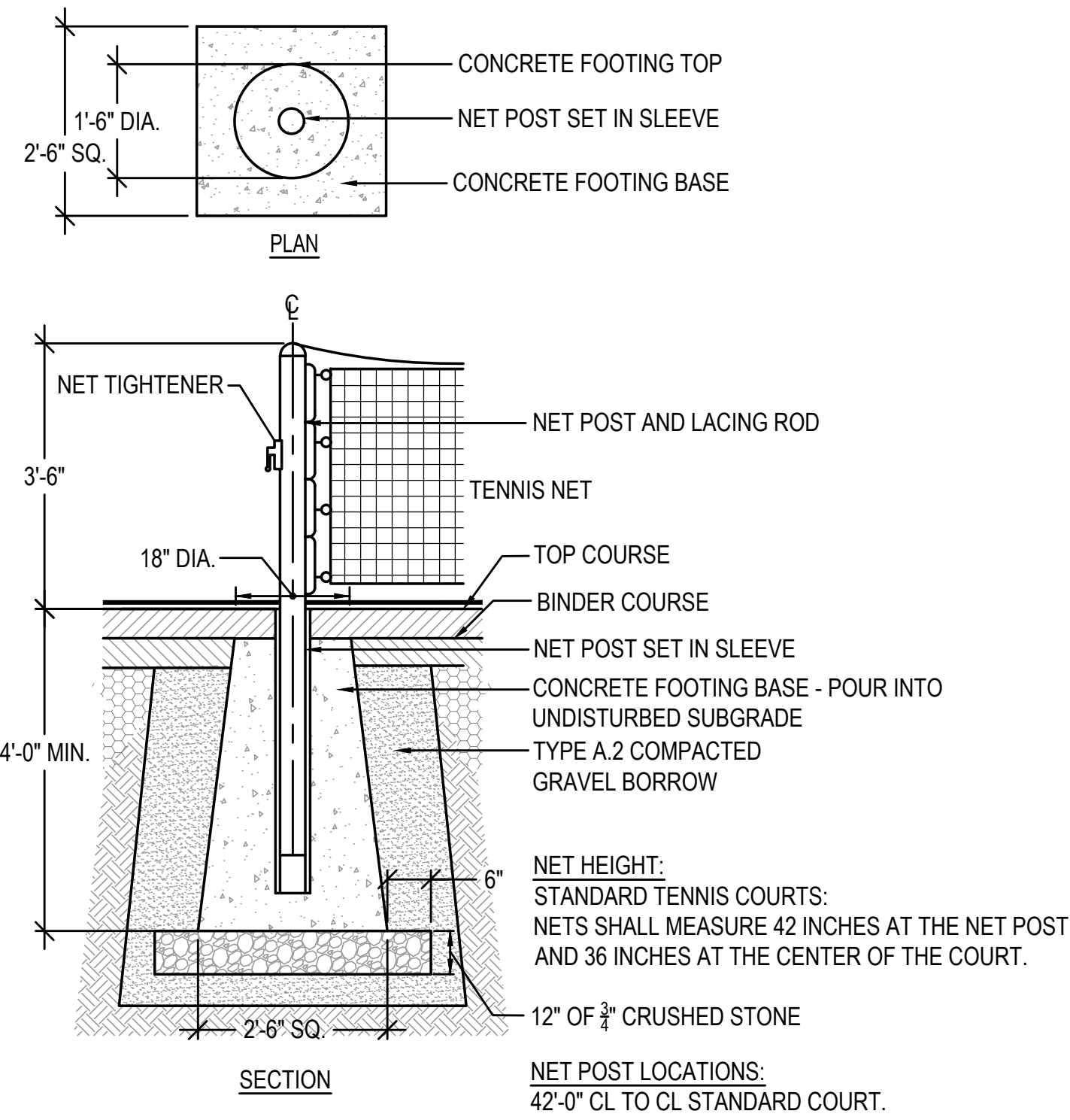
36 OF 40



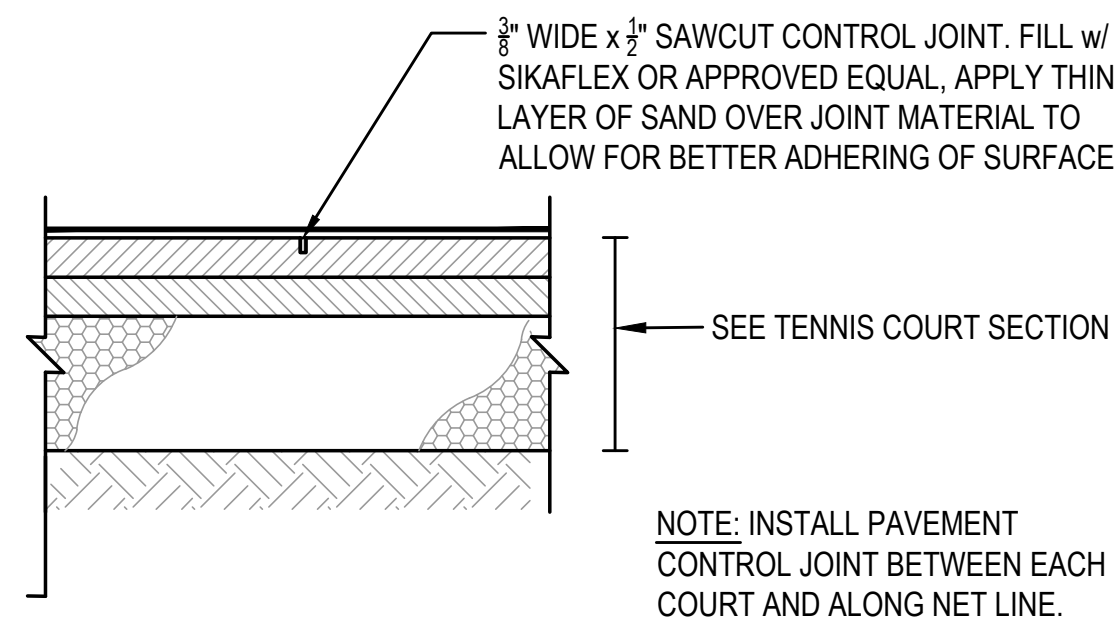
NOTE:

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

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

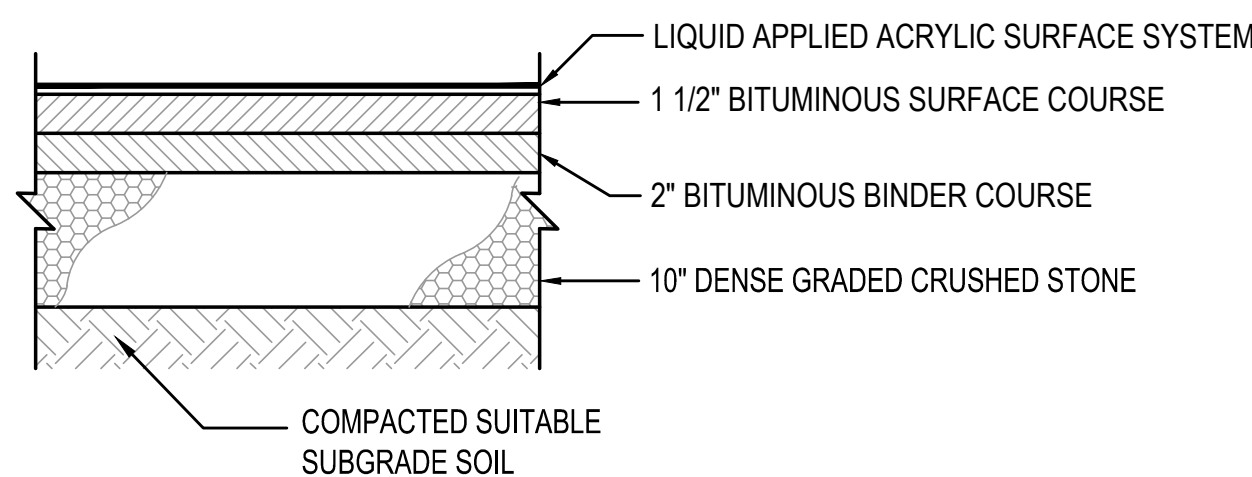


2 TENNIS NET POST
N.T.S.



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

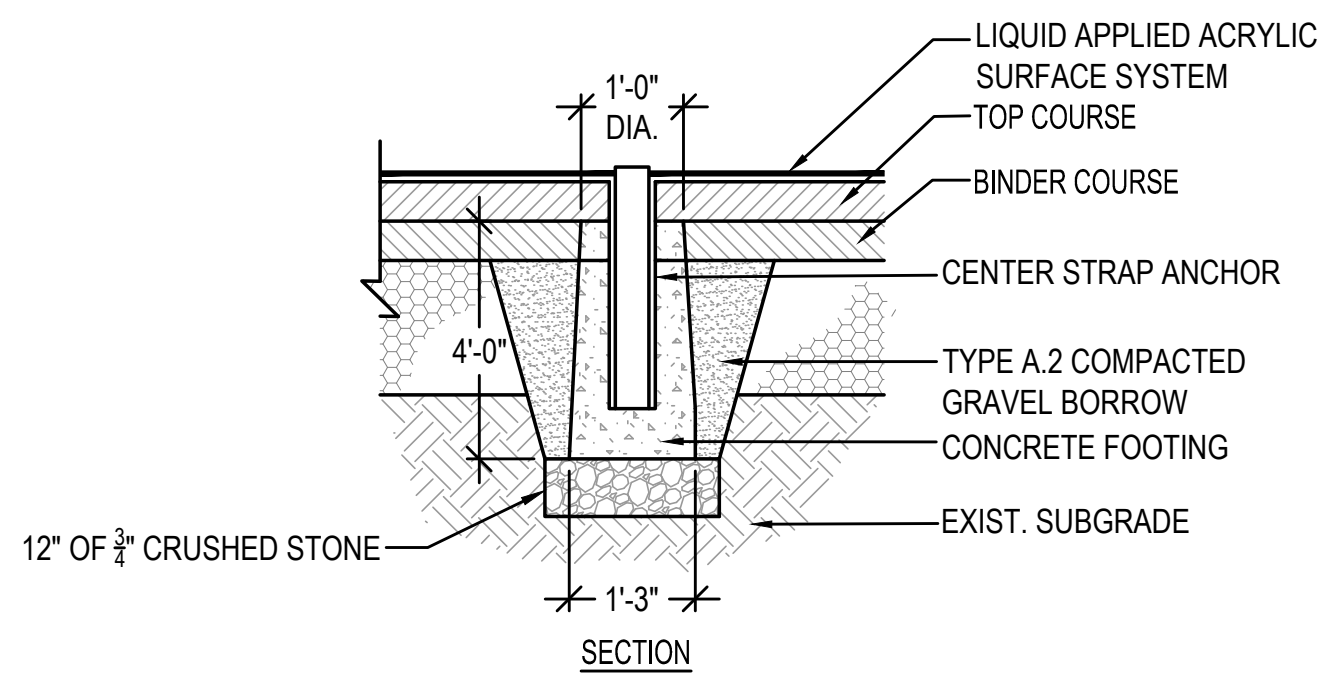
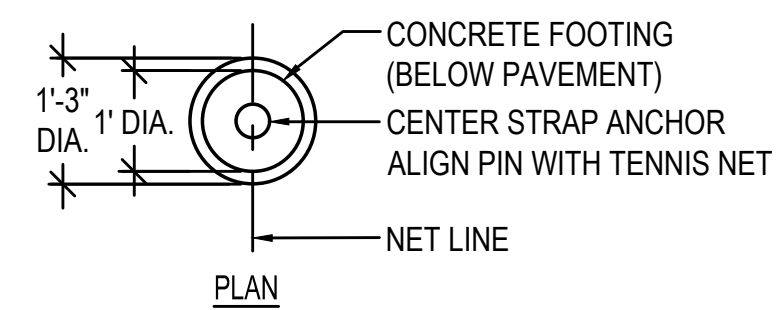
3 TENNIS PAVEMENT CONTROL JOINT
N.T.S.



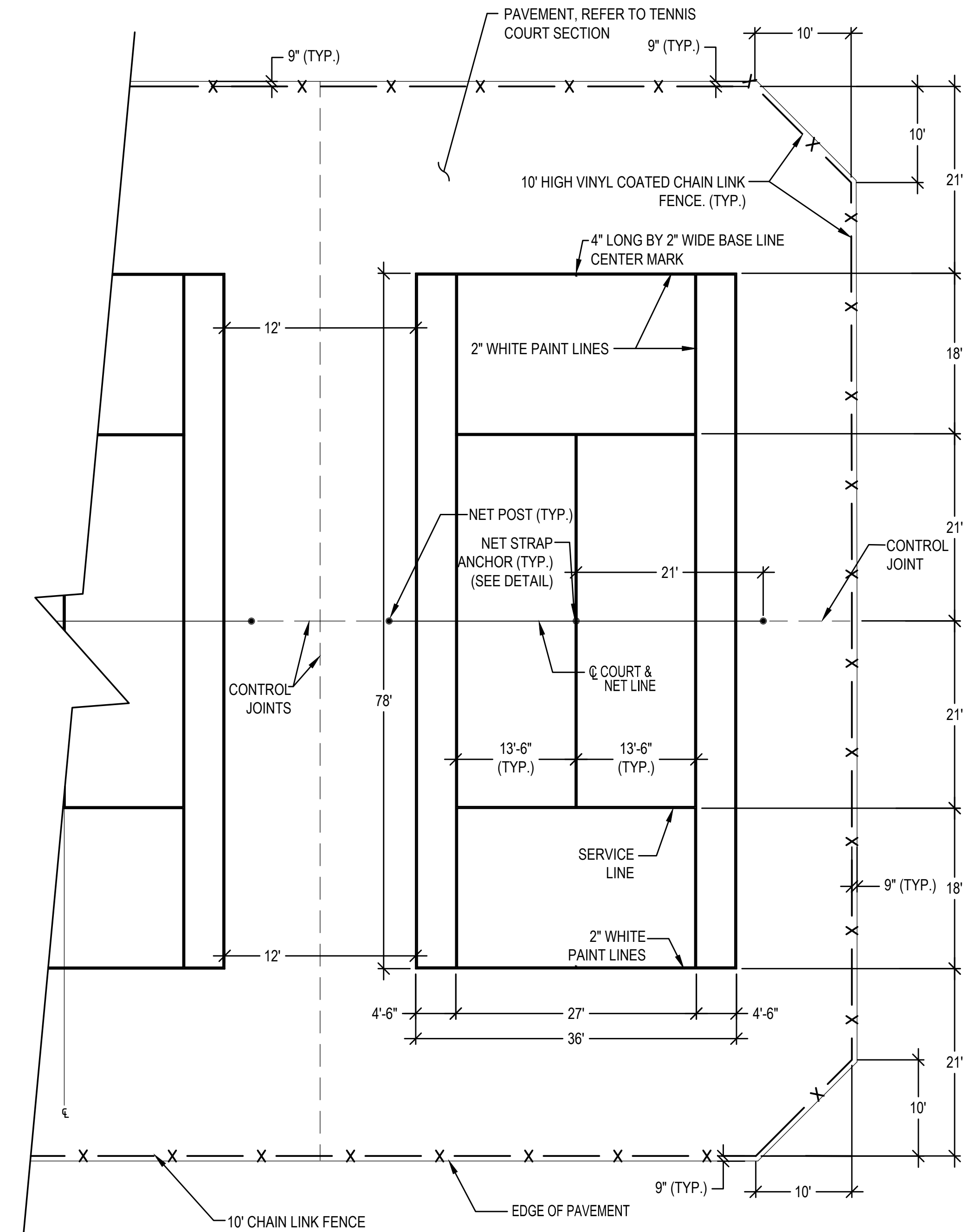
NOTE:

- BINDER COURSE AND SURFACE COURSES SHALL BE INSTALLED PERPENDICULAR TO EACH OTHER.
- 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:

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

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



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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.	718601
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DRAWN BY	MSK
CHECKED BY	KDH / PS
DATE	11/16/2023
DRAWING SCALE	N.T.S.

GRAPHIC SCALE

SHEET TITLE

**TENNIS COURT
DETAILS
SHEET 1 OF 2**

DRAWING NO.

C518

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DRAWING SCALE	N.T.S.		

GRAPHIC SCALE

SHEET TITLE
TENNIS COURT DETAILS
SHEET 2 OF 2

DRAWING NO.
C519

1 2 3 4 5 6

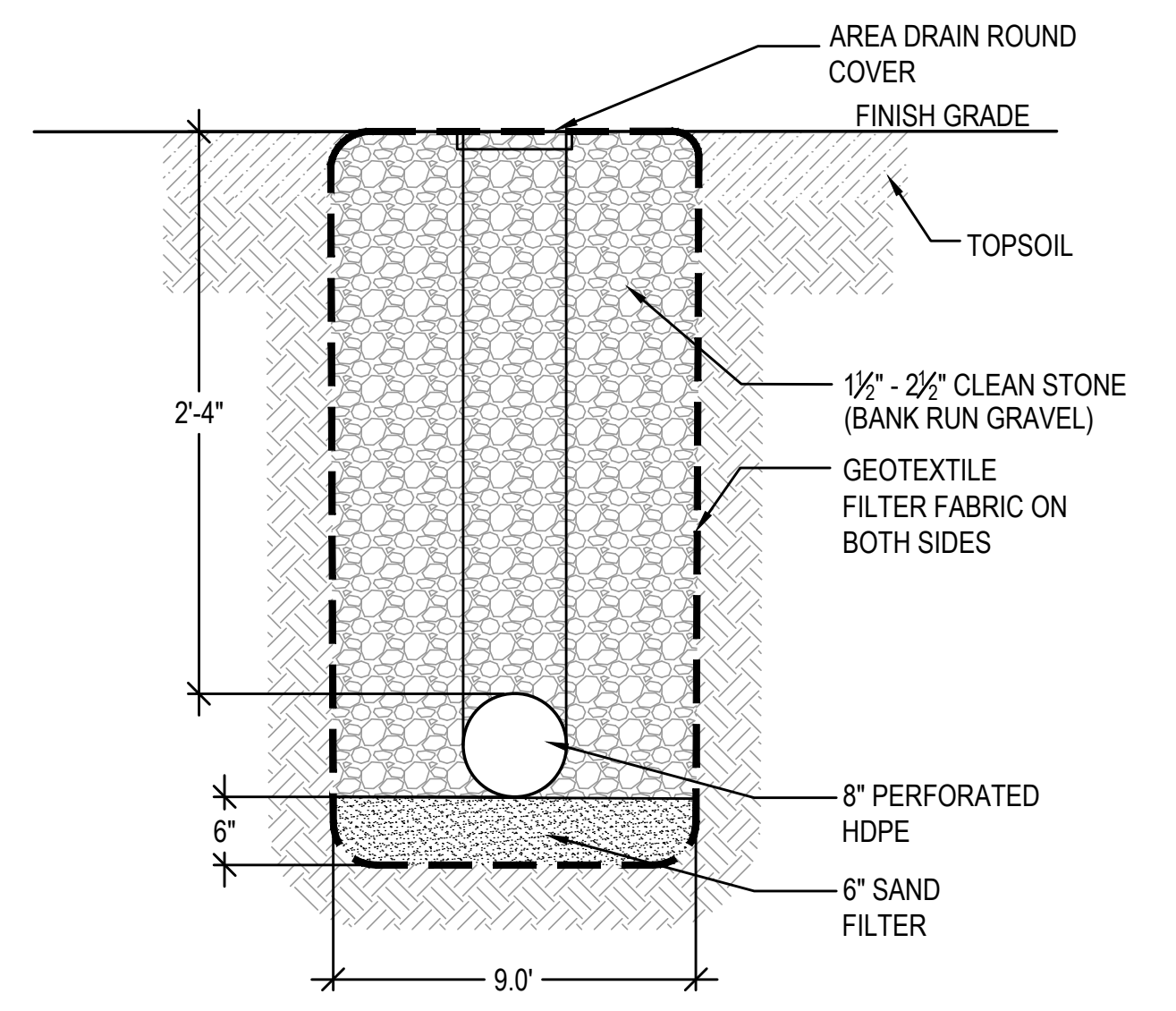
E

D

C

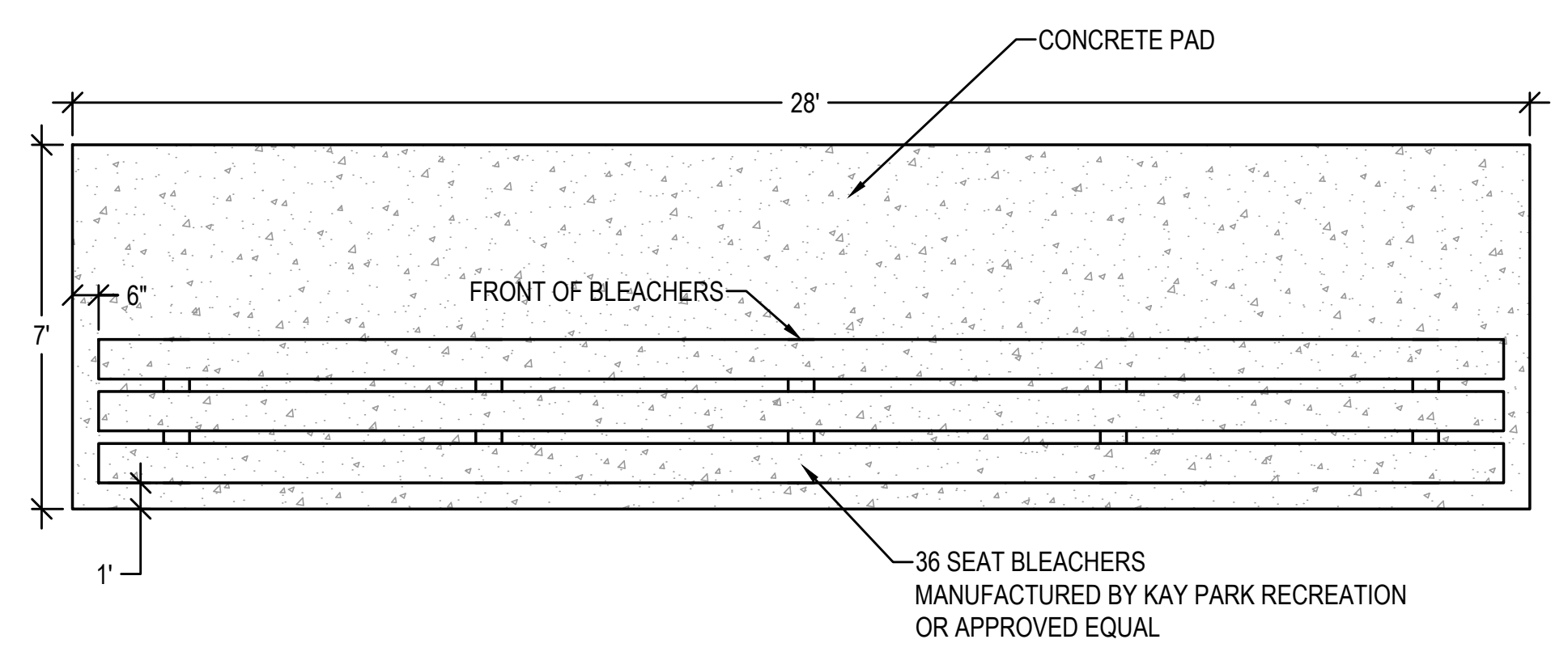
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A

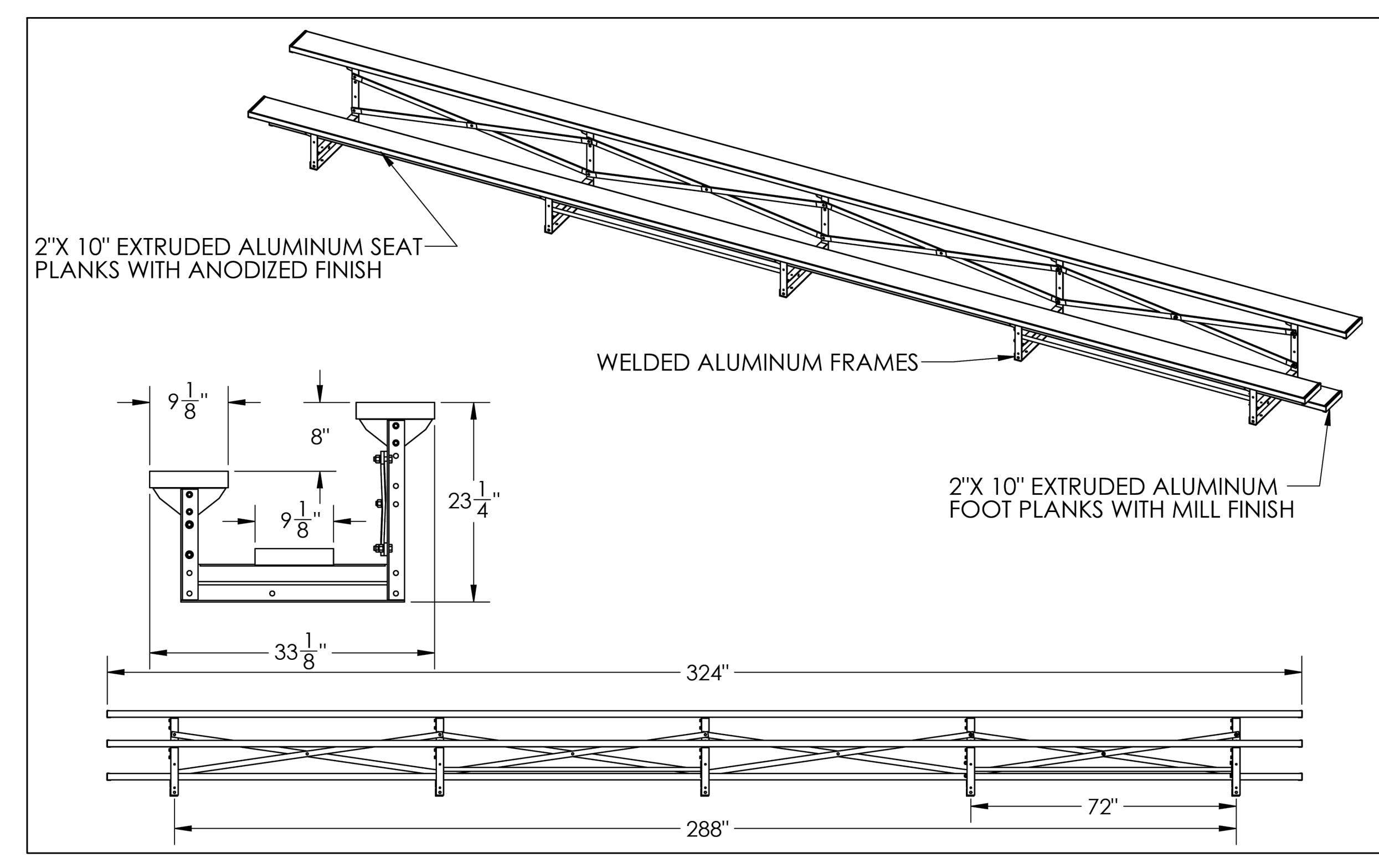


NOTE:
 INFILTRATION TRENCHES SHALL BE CONSTRUCTED IN ACCORDANCE WITH MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION (MADEP) STANDARDS

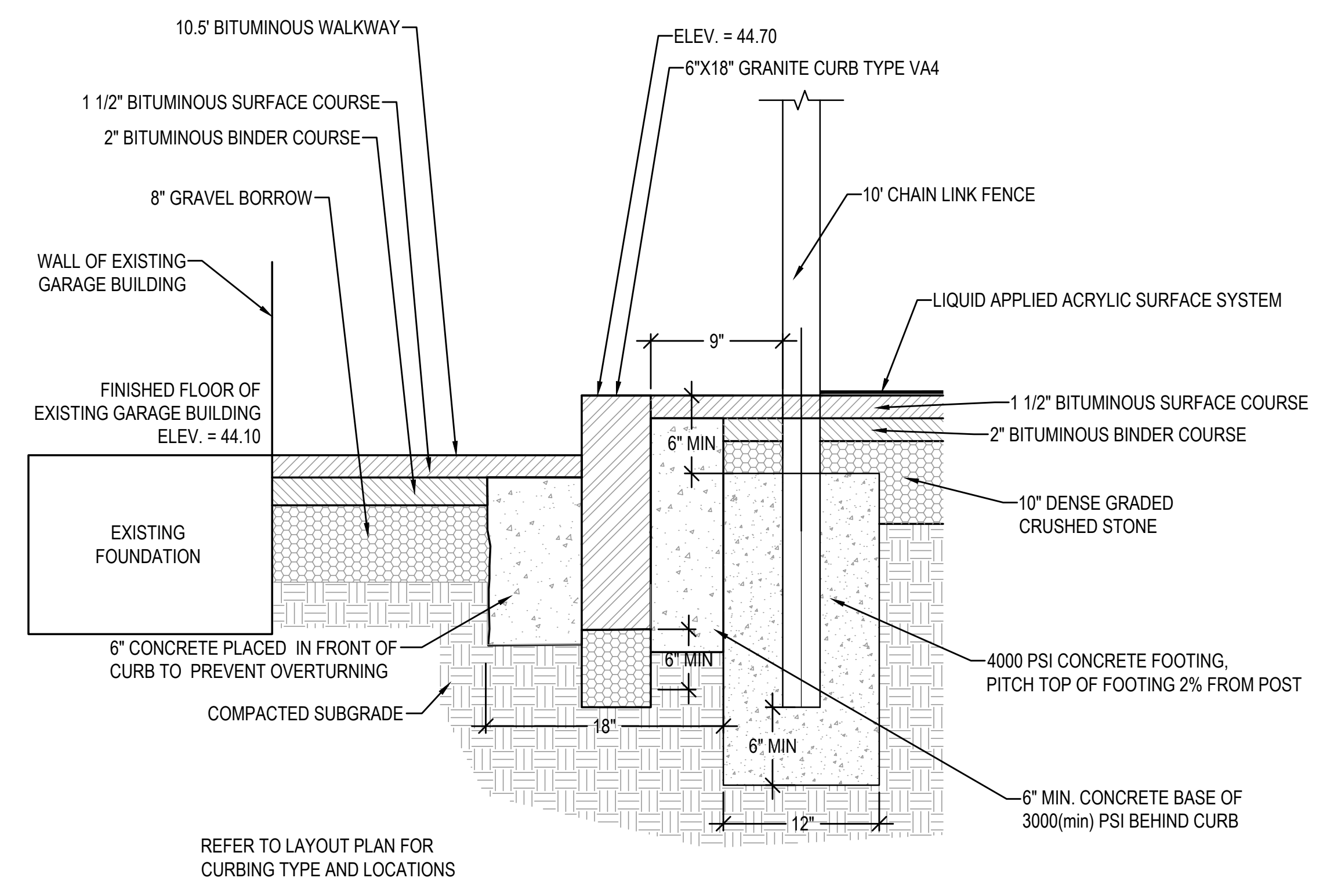
1 TENNIS COURT AREA DRAIN IN INFILTRATION TRENCH
 N.T.S.



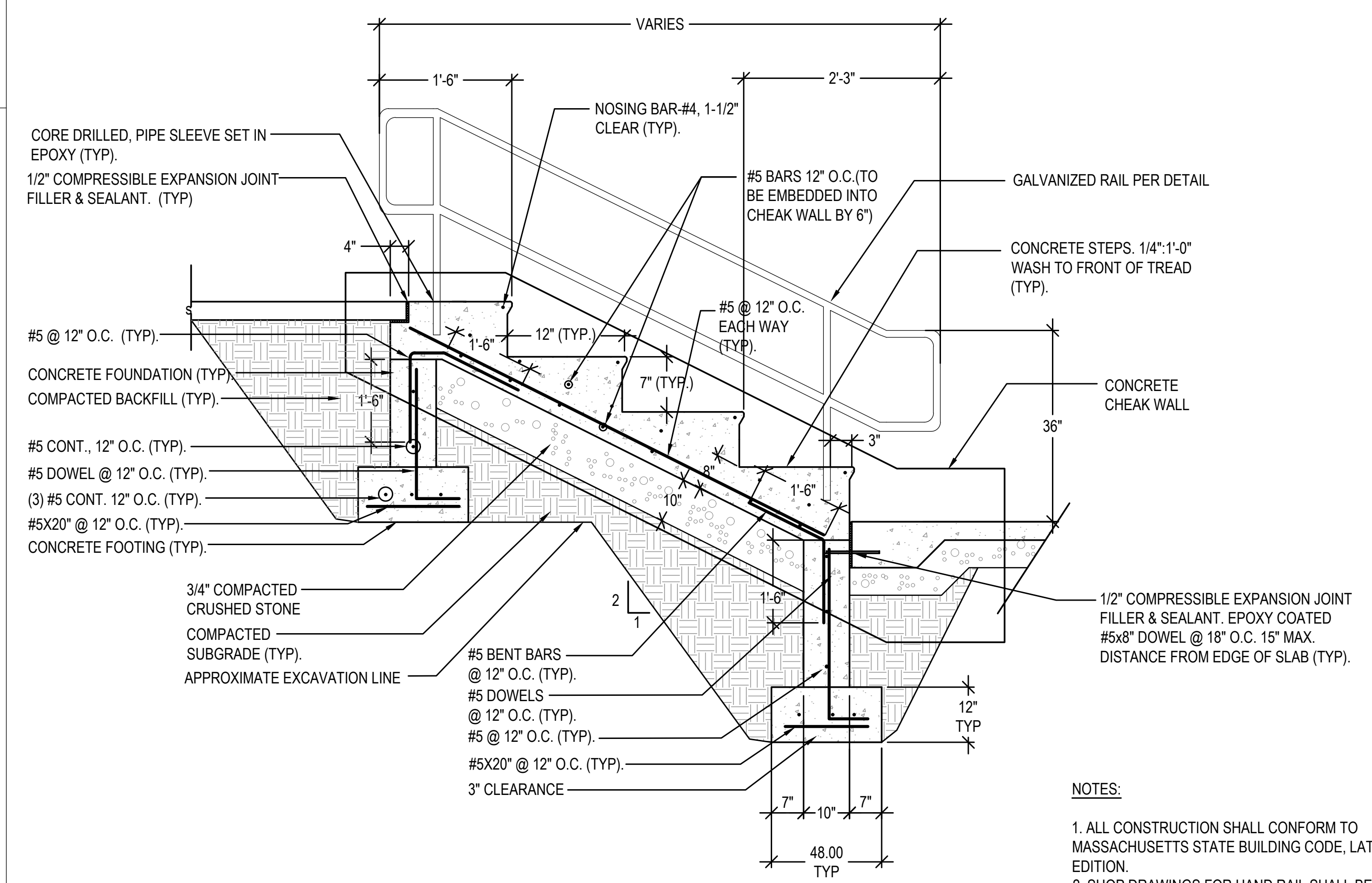
3 36 SEAT BLEACHERS ON CONCRETE PAD
 N.T.S.



4 36 SEAT BLEACHER
 N.T.S.

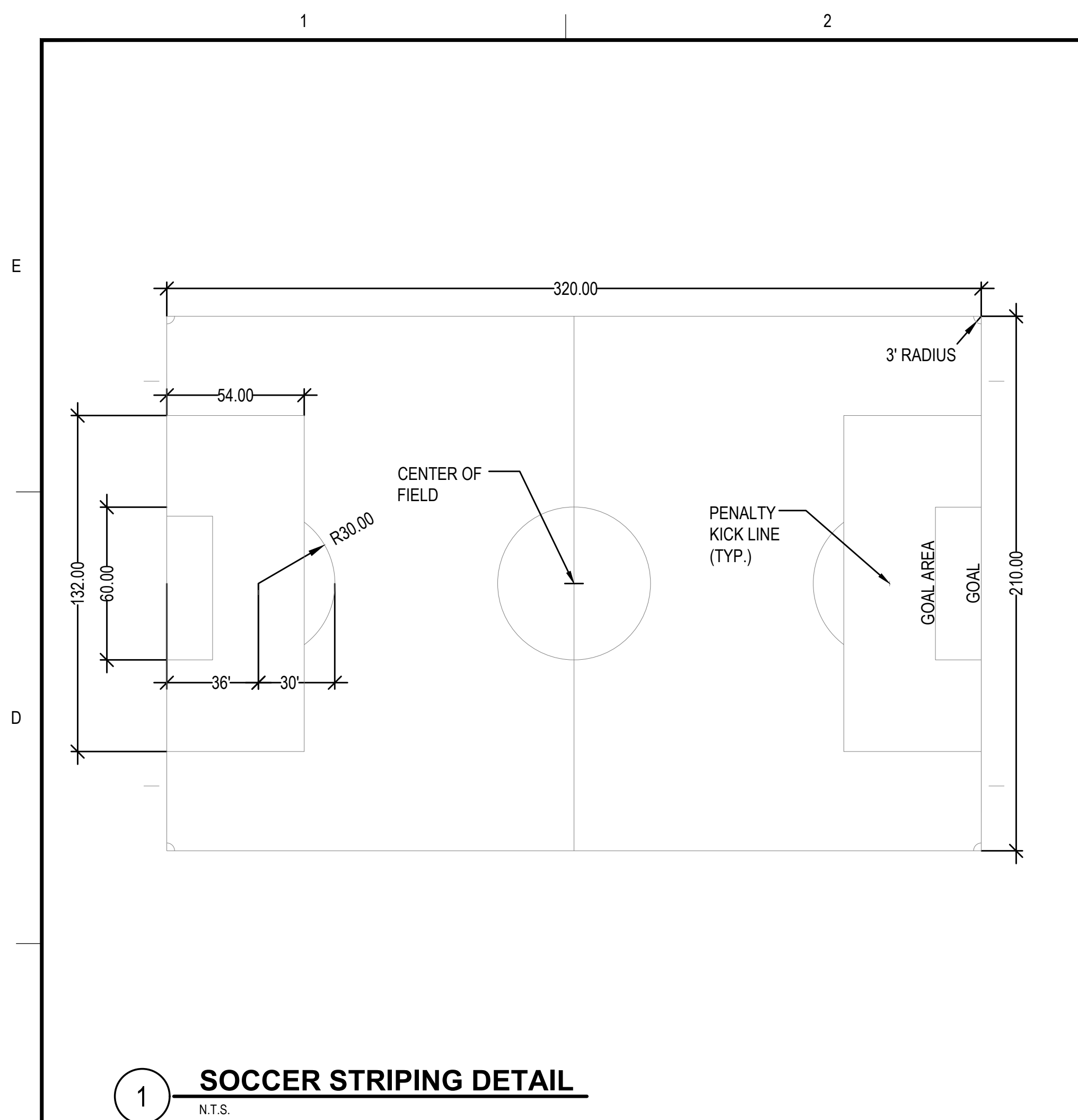


2 SECTION C-C
 N.T.S.

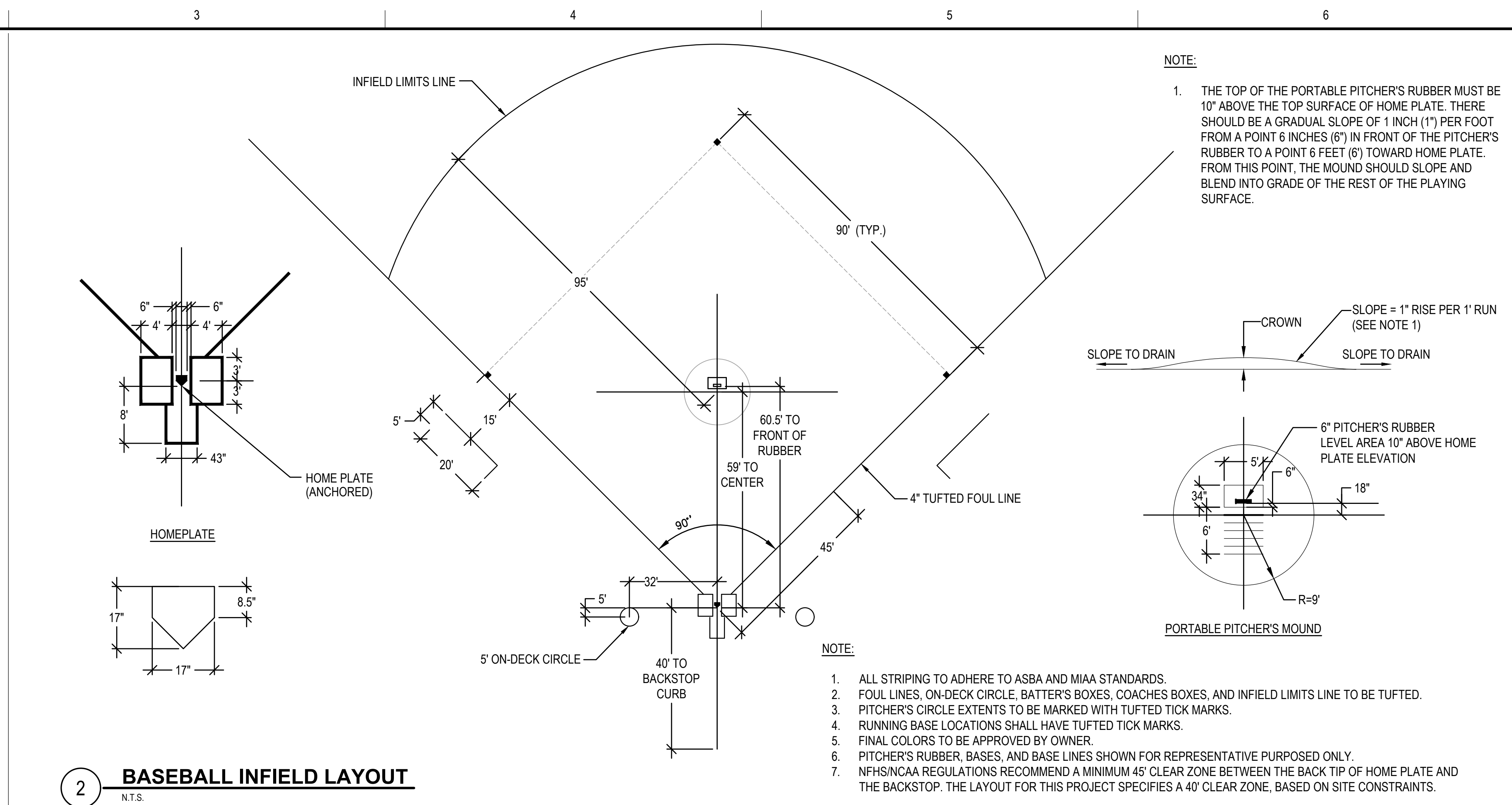


5 TYPICAL CONCRETE STAIR DETAIL
 N.T.S.

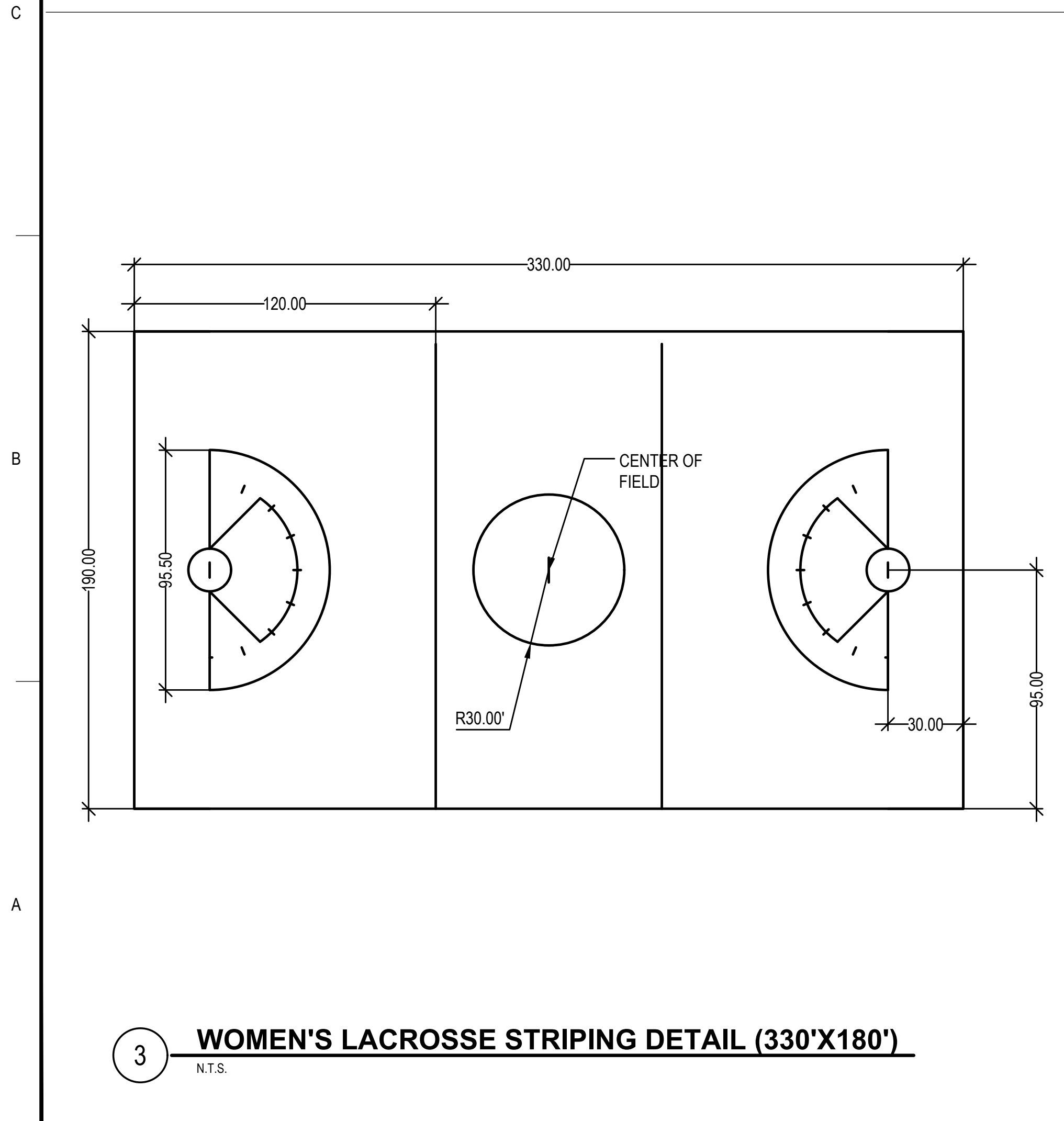
NOTES:
 1. ALL CONSTRUCTION SHALL CONFORM TO MASSACHUSETTS STATE BUILDING CODE, LATEST EDITION.
 2. SHOP DRAWINGS FOR HAND RAIL SHALL BE SUBMITTED TO ENGINEER FOR FINAL APPROVAL.
 3. SHOWN TYPICAL - NUMBER OF RISERS WILL VARY PER PLAN



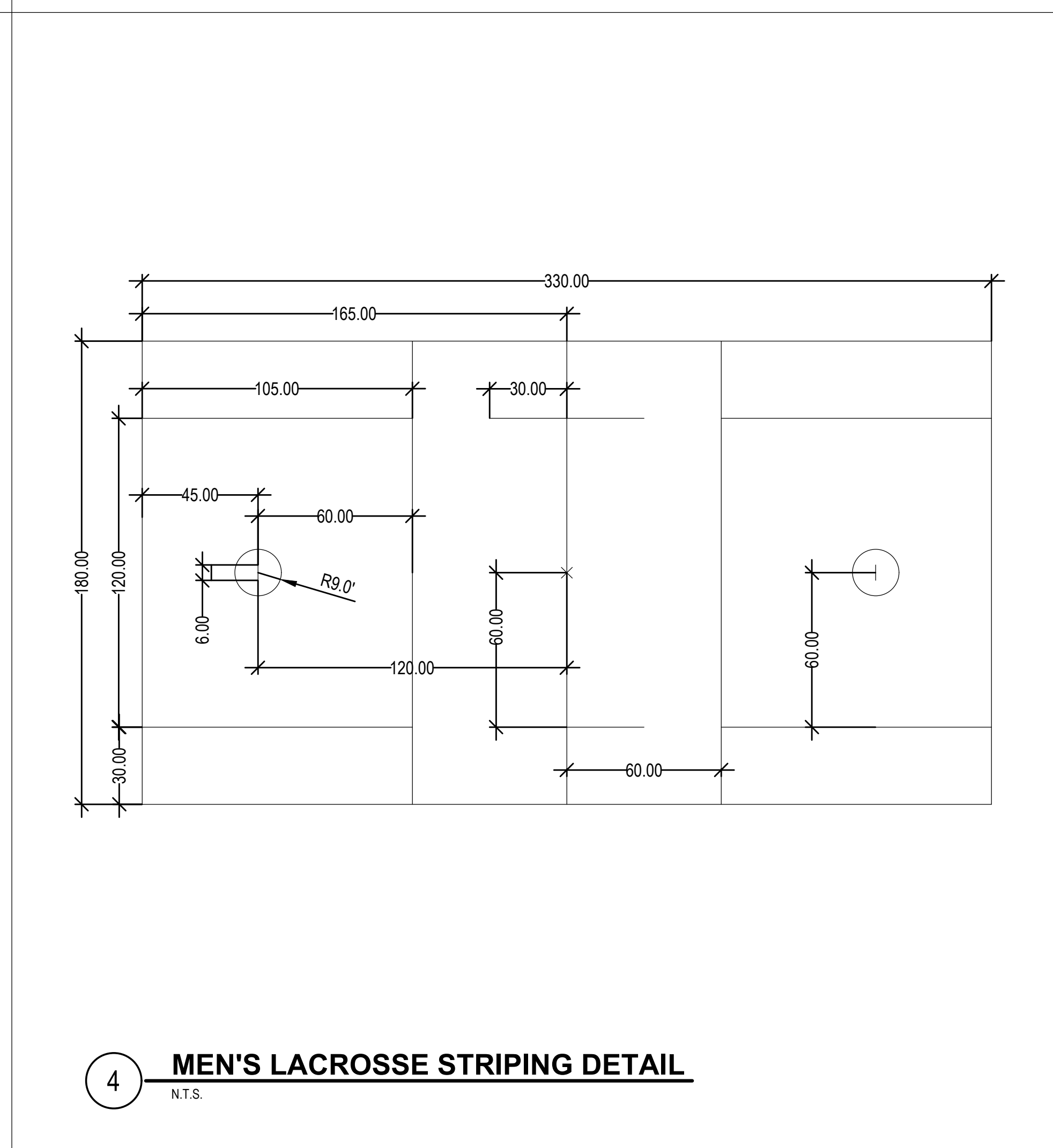
1 SOCCER STRIPING DETAIL
N.T.S.



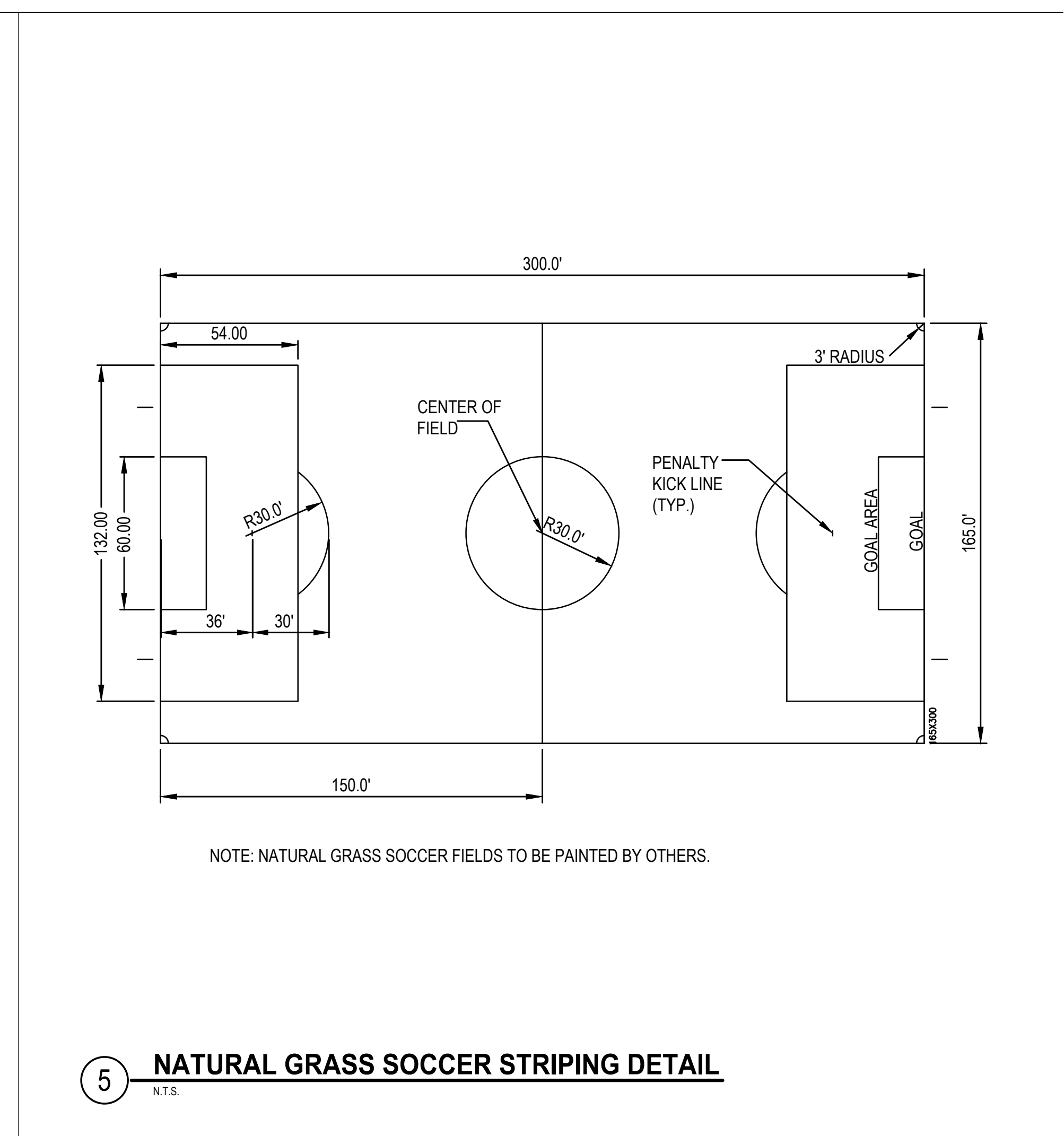
2 BASEBALL INFIELD LAYOUT
N.T.S.



3 WOMEN'S LACROSSE STRIPING DETAIL (330'X180')
N.T.S.

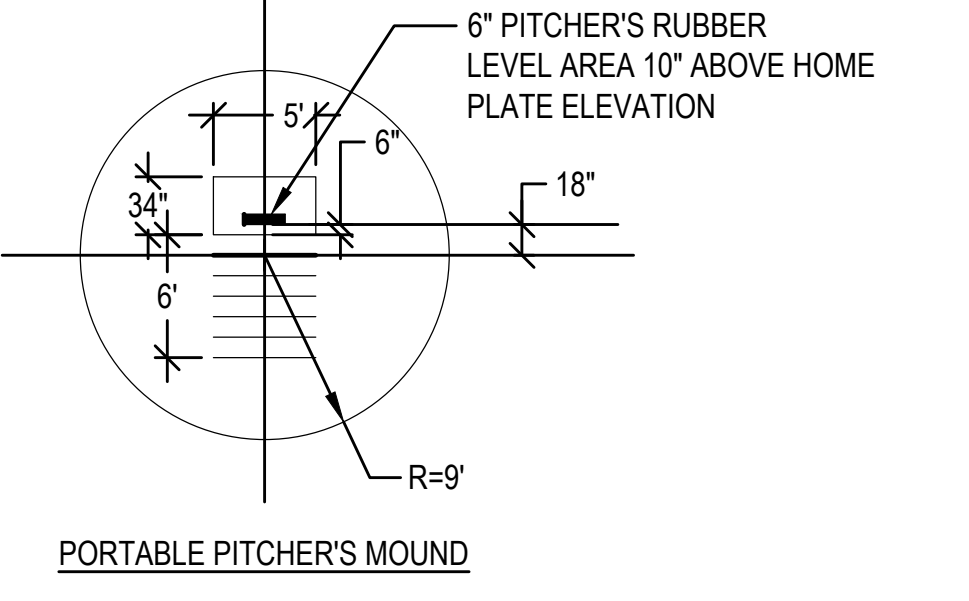
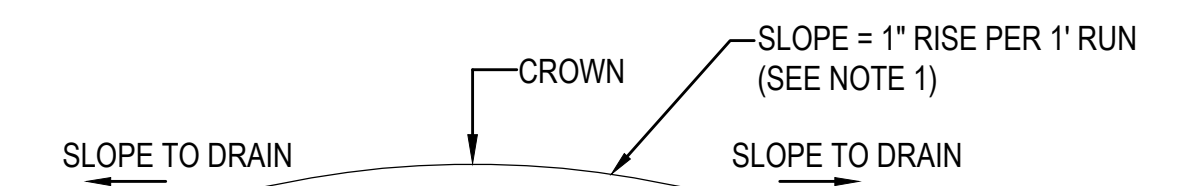


4 MEN'S LACROSSE STRIPING DETAIL
N.T.S.



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

NOTE:
1. THE TOP OF THE PORTABLE PITCHER'S RUBBER MUST BE 10" ABOVE THE TOP SURFACE OF HOME PLATE. THERE SHOULD BE A GRADUAL SLOPE OF 1 INCH (1") PER FOOT FROM A POINT 6 INCHES (6") IN FRONT OF THE PITCHER'S RUBBER TO A POINT 6 FEET (6') TOWARD HOME PLATE. FROM THIS POINT, THE MOUND SHOULD SLOPE AND BLEND INTO GRADE OF THE REST OF THE PLAYING SURFACE.



NOTE:
1. ALL STRIPING TO ADHERE TO ASBA AND MIAA STANDARDS.
2. FOUL LINES, ON-DECK CIRCLE, BATTER'S BOXES, COACHES BOXES, AND INFIELD LIMITS LINE TO BE TUFTED.
3. PITCHER'S CIRCLE EXTENTS TO BE MARKED WITH TUFTED TICK MARKS.
4. RUNNING BASE LOCATIONS SHALL HAVE TUFTED TICK MARKS.
5. FINAL COLORS TO BE APPROVED BY OWNER.
6. PITCHER'S RUBBER, BASES, AND BASE LINES SHOWN FOR REPRESENTATIVE PURPOSES ONLY.
7. NFHS/NCAA REGULATIONS RECOMMEND A MINIMUM 45' CLEAR ZONE BETWEEN THE BACK TIP OF HOME PLATE AND THE BACKSTOP. THE LAYOUT FOR THIS PROJECT SPECIFIES A 40' CLEAR ZONE, BASED ON SITE CONSTRAINTS.

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OWNER:
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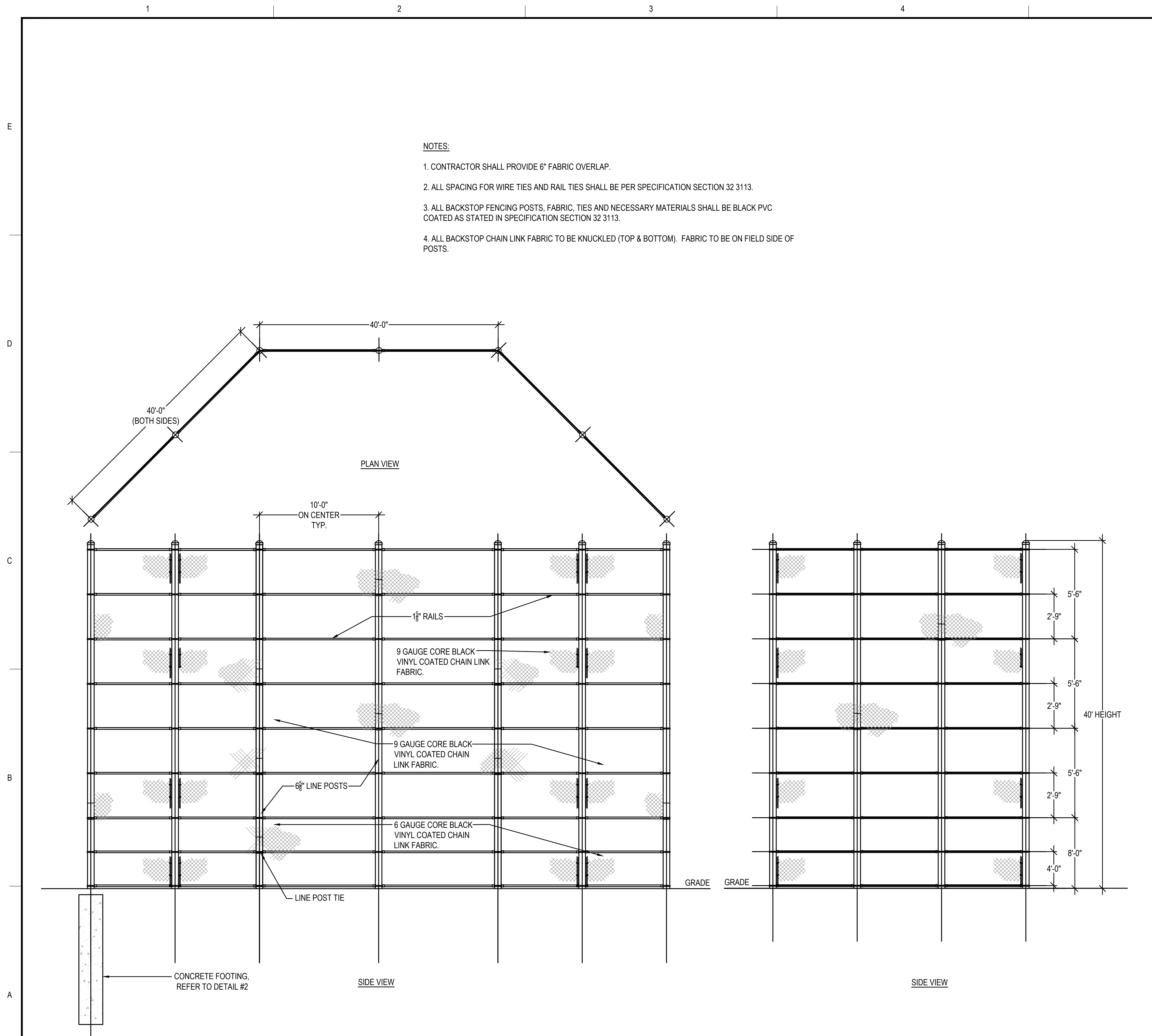
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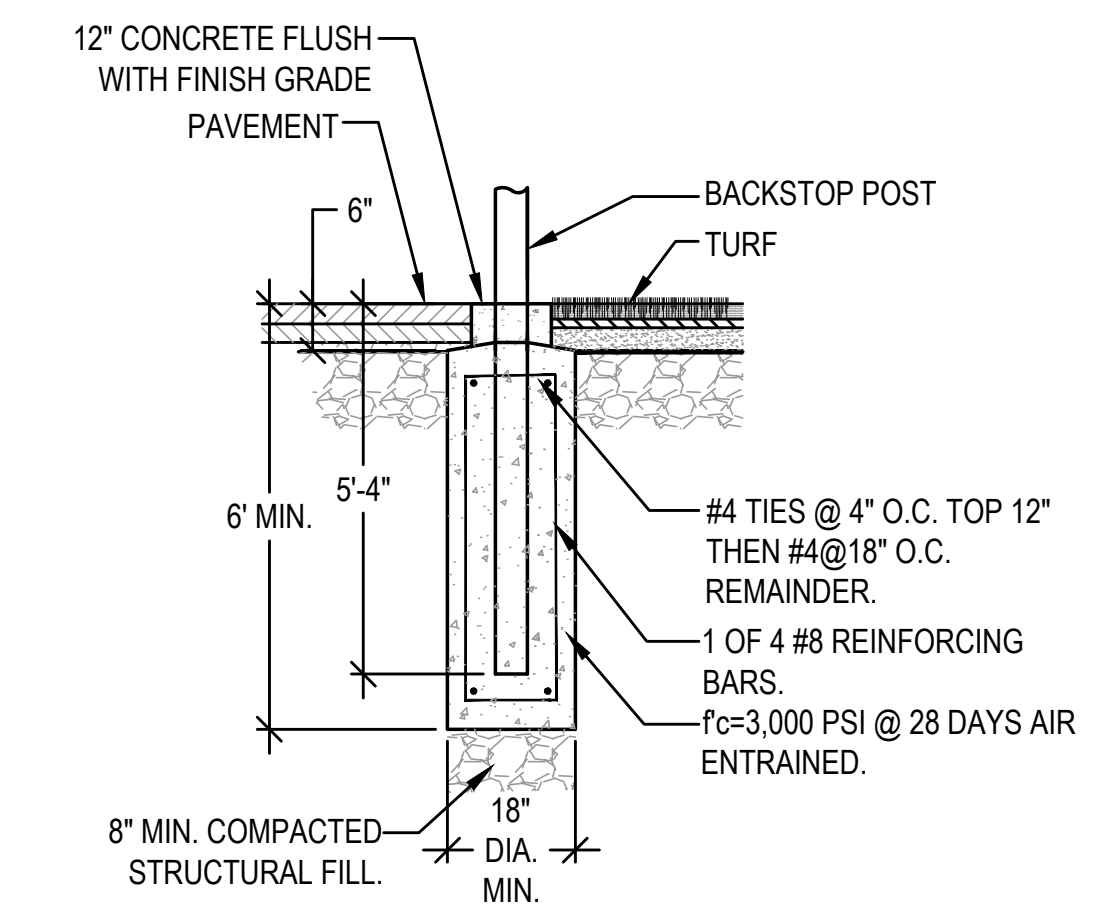
GRAPHIC SCALE

SHEET TITLE
BASEBALL FIELD DETAILS
SHEET 1 OF 4

DRAWING NO.
C520
35 OF 40



- 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.



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

2 BACKSTOP FOOTING DETAIL
N.T.S.

1 BACKSTOP DETAIL
N.T.S.

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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**

2/13/2024	PEER REVIEW COMM.	KFR	
NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718601		
CADD FILE	718601_C500		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	N.T.S.		

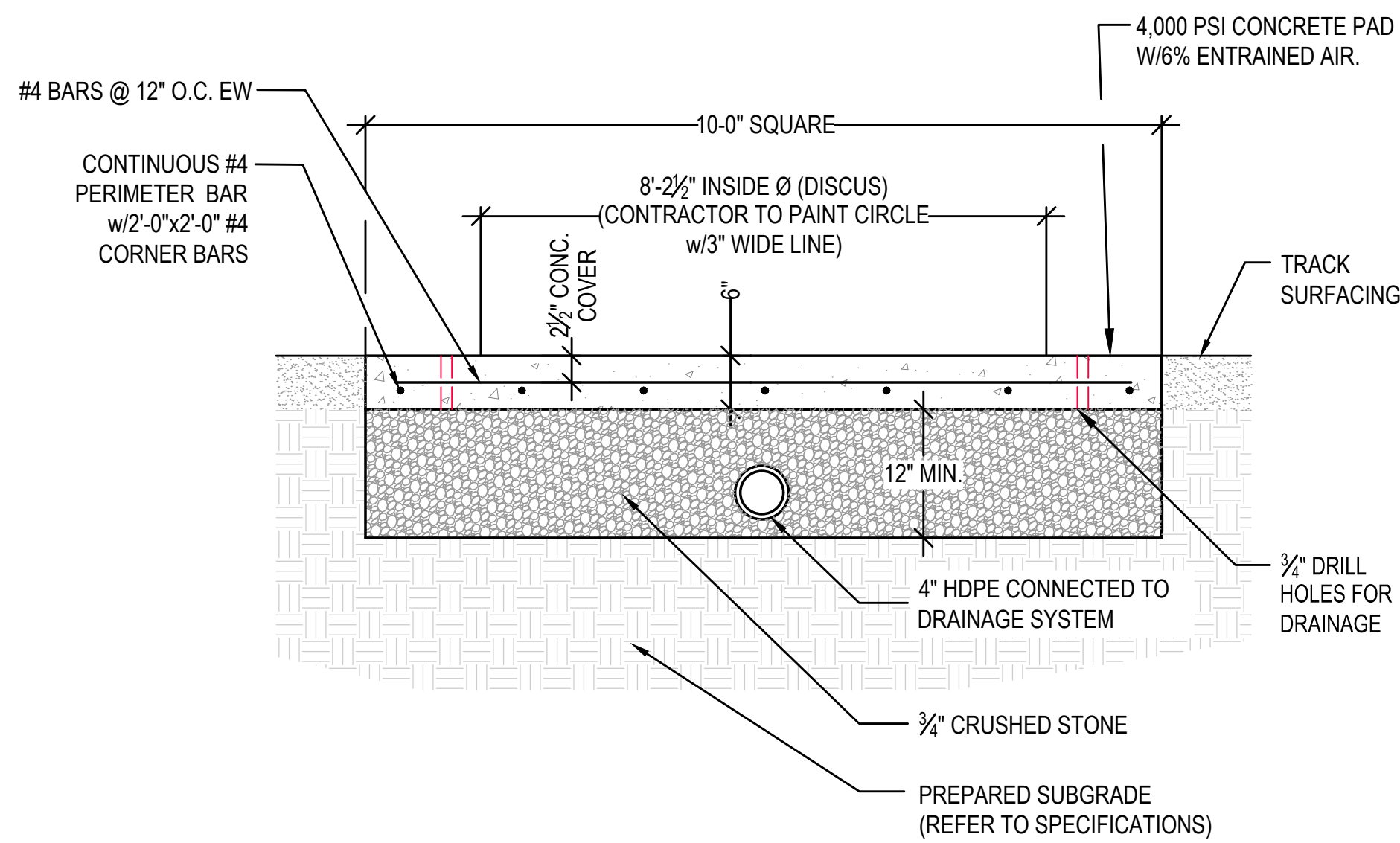
GRAPHIC SCALE

SHEET TITLE

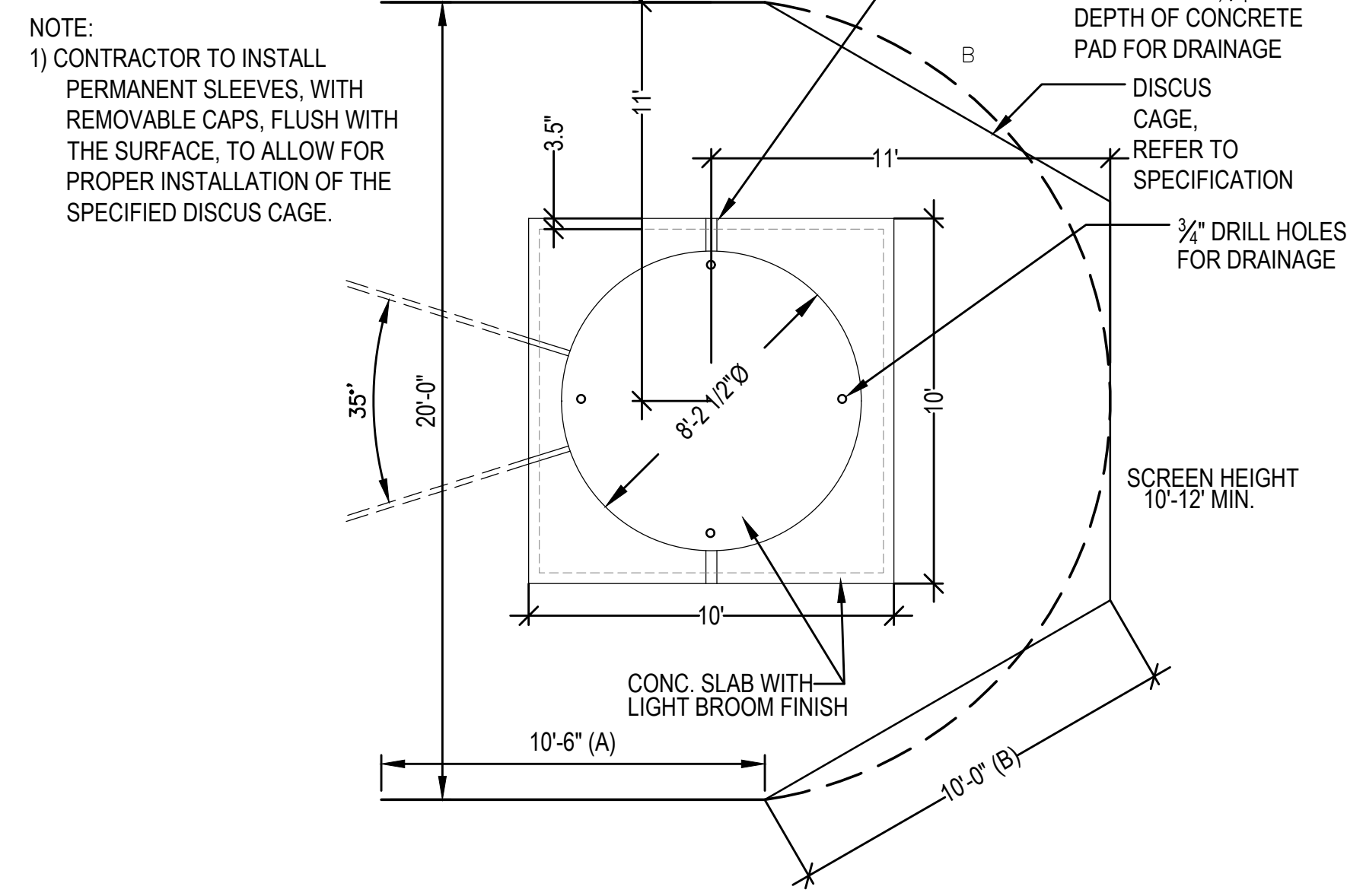
**BASEBALL FIELD
DETAILS
SHEET 2 OF 4**

DRAWING NO.
C521

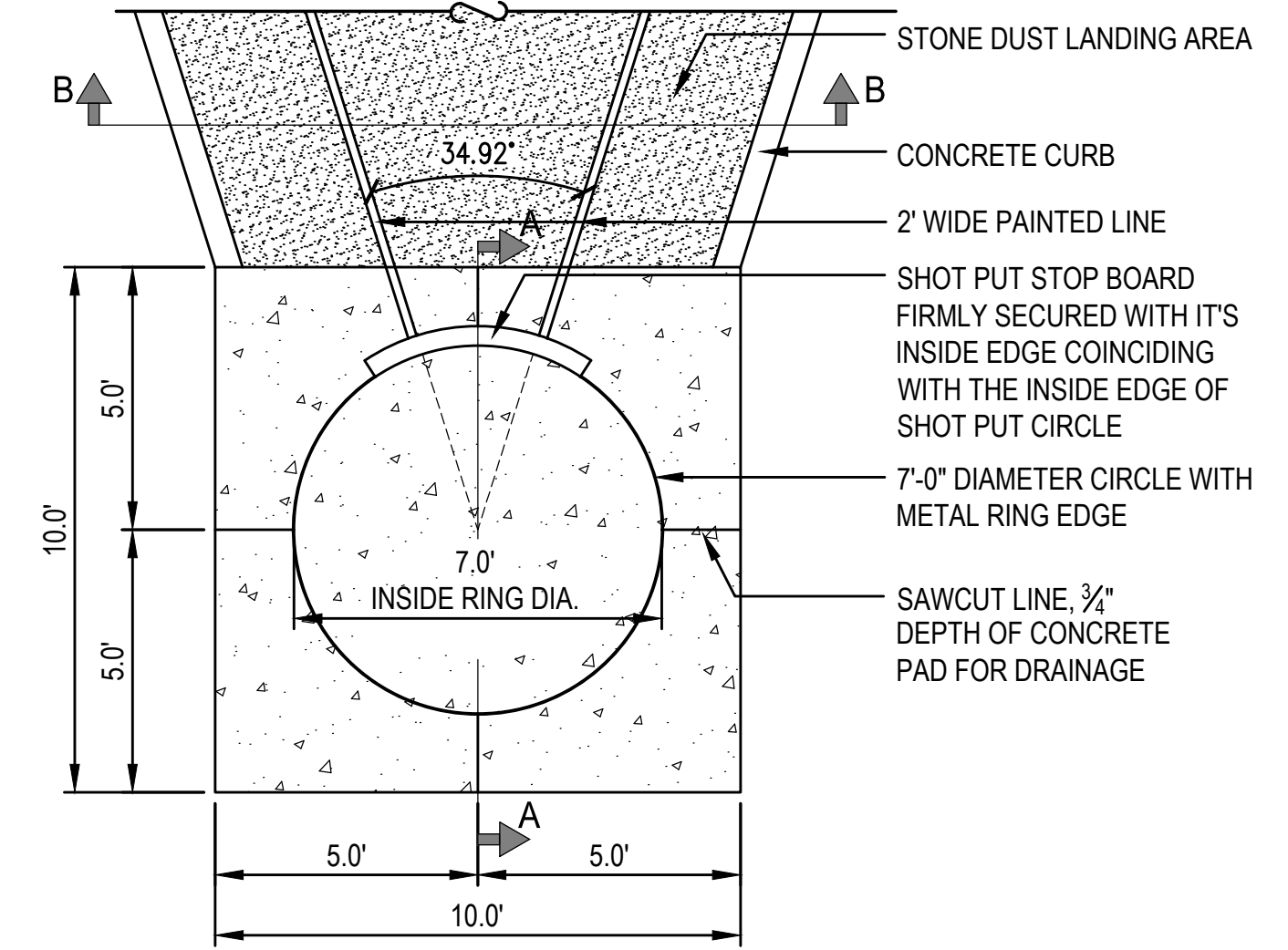
36 OF 40



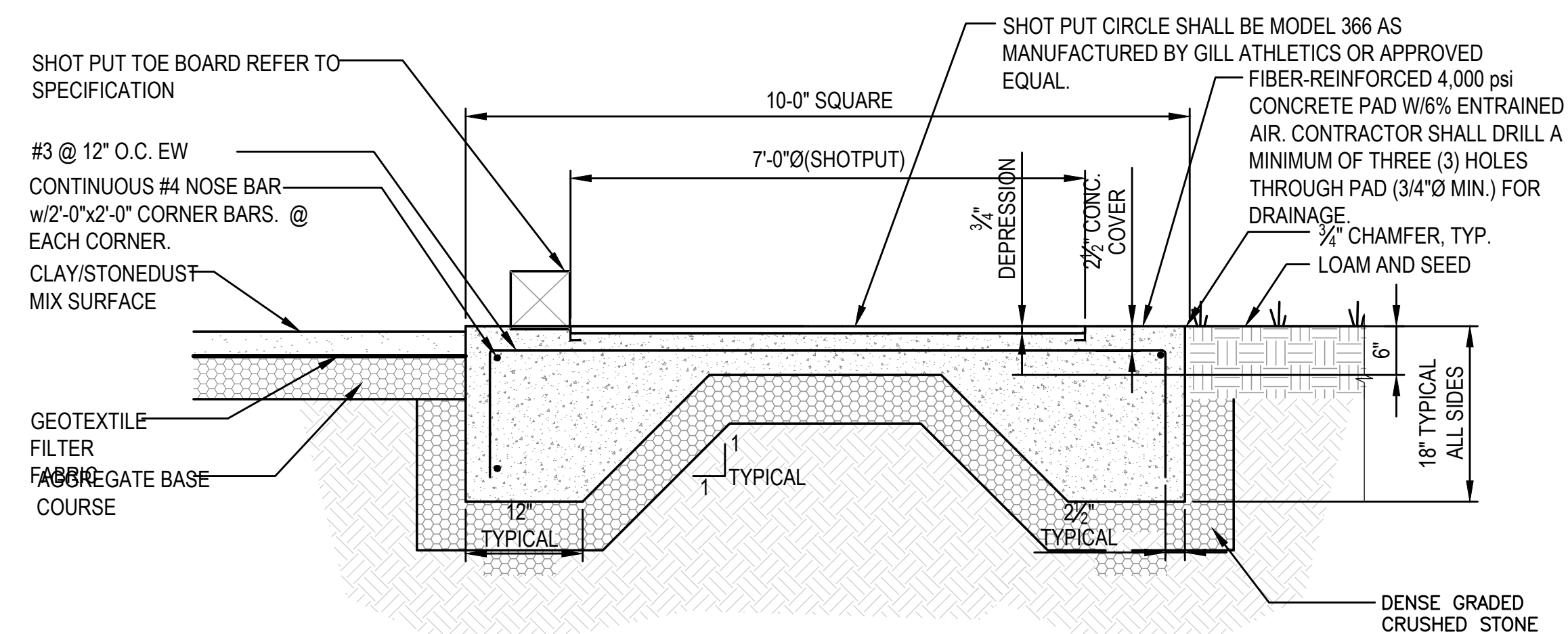
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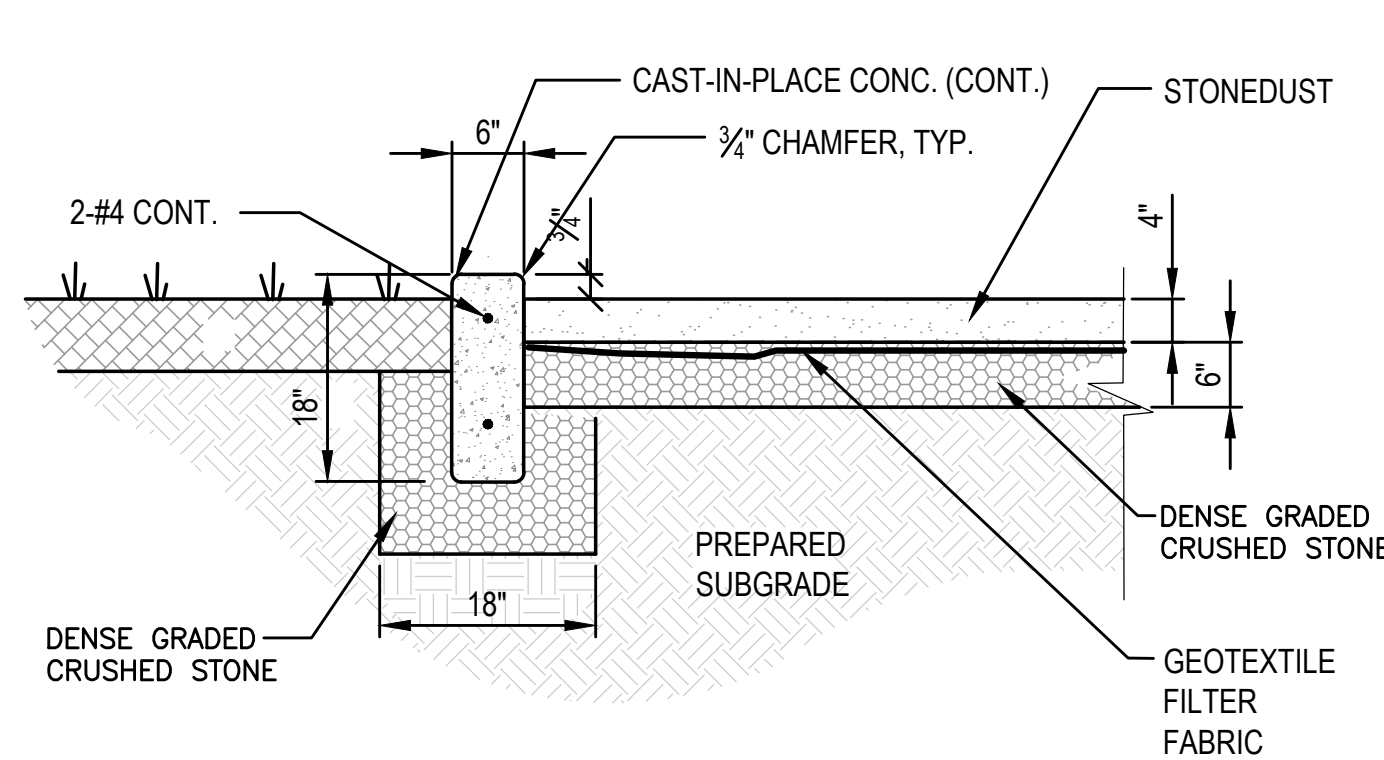
2 DISCUS PAD AND CAGE
N.T.S.



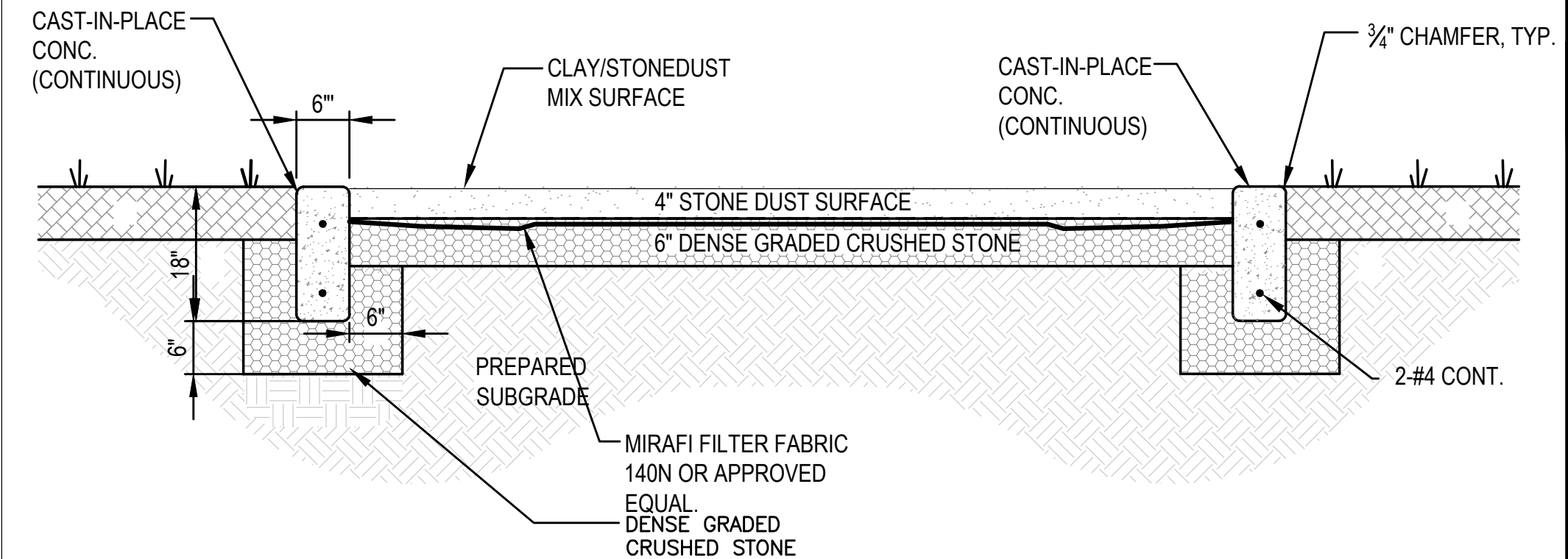
3 SHOT PUT LAYOUT
N.T.S.



4 SHOT PUT PAD
N.T.S.



5 SHOT PUT LANDING AREA
N.T.S.



6 SHOT PUT LANDING AREA
N.T.S.



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775 BAY ROAD
SOUTH HAMILTON, MA 01982
OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

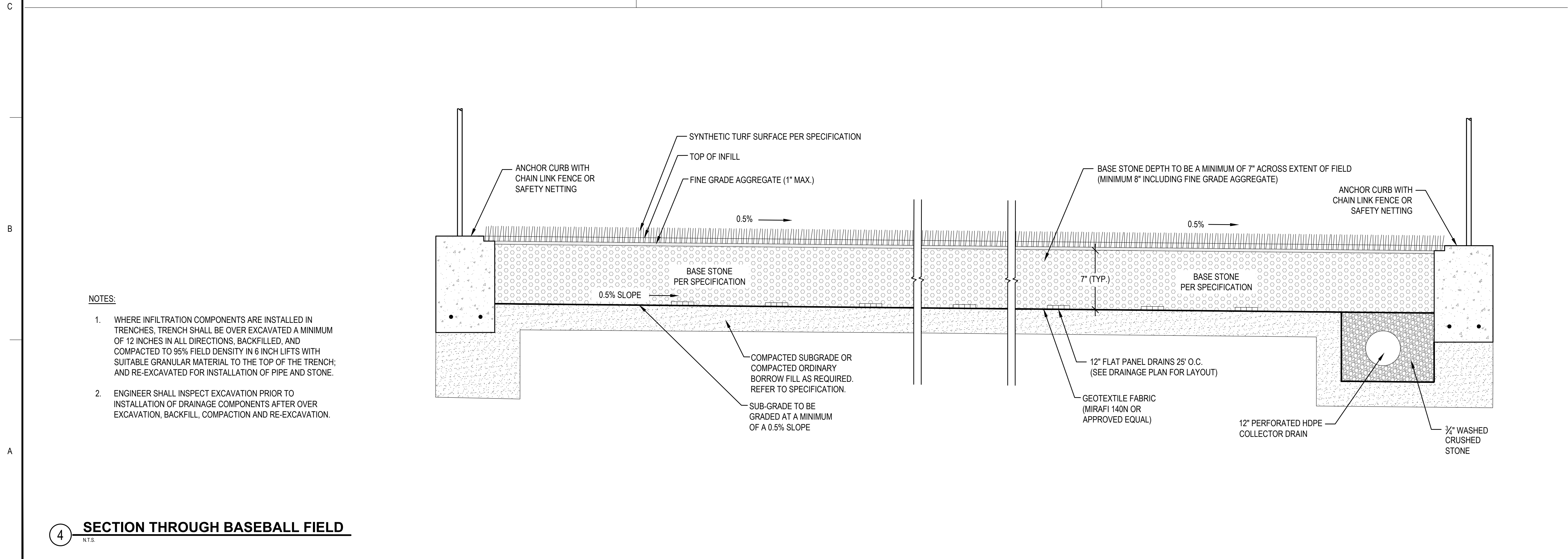
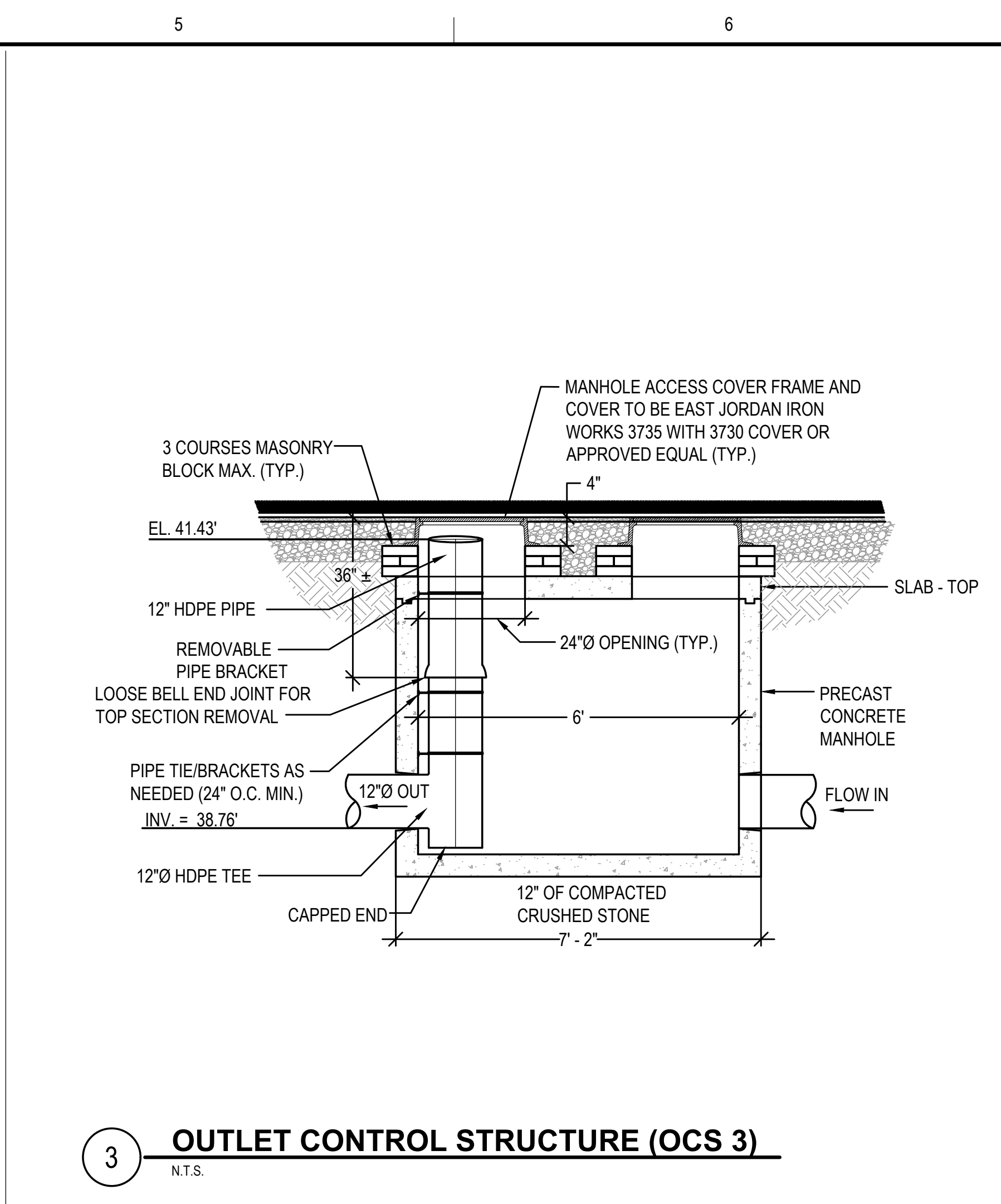
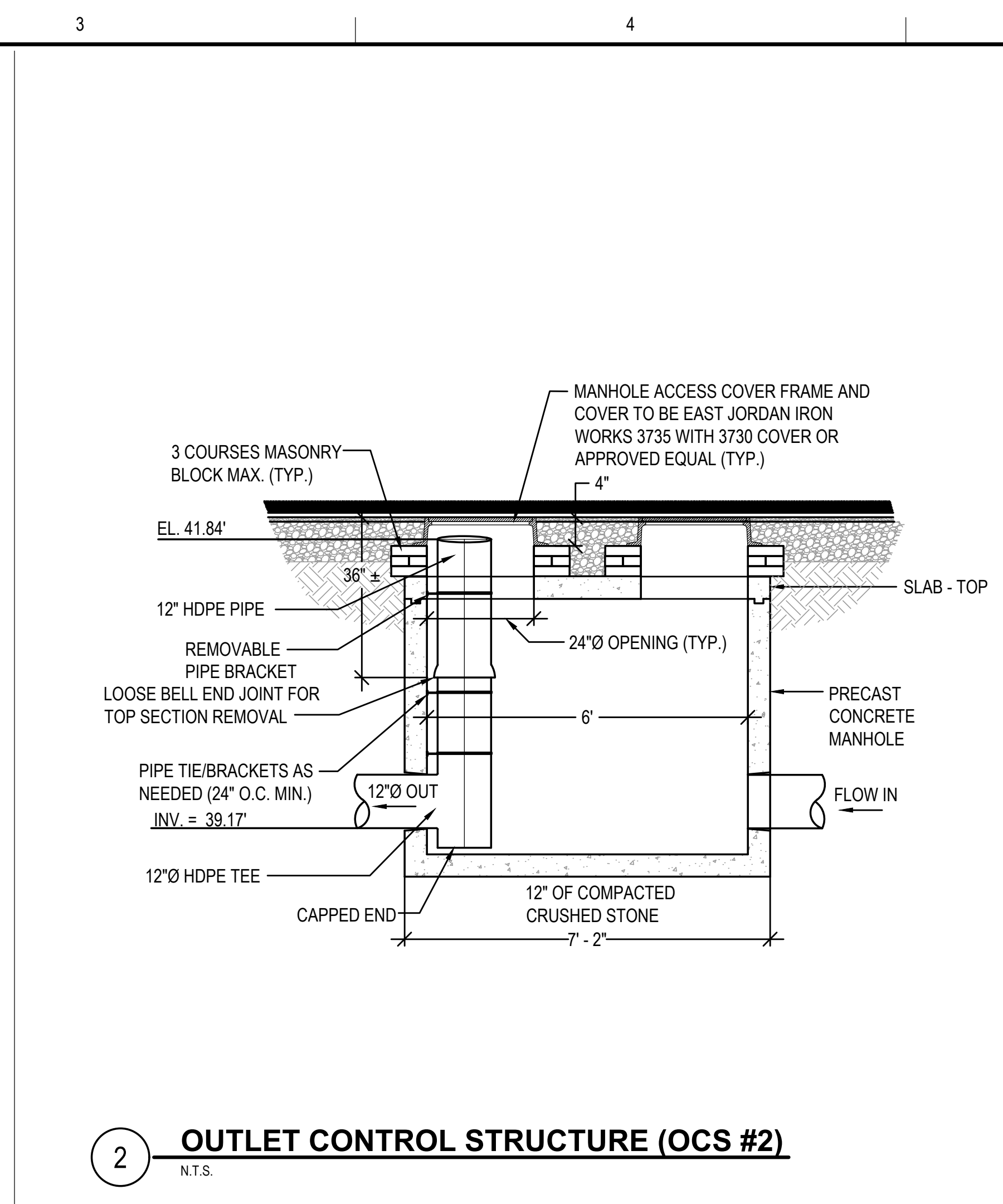
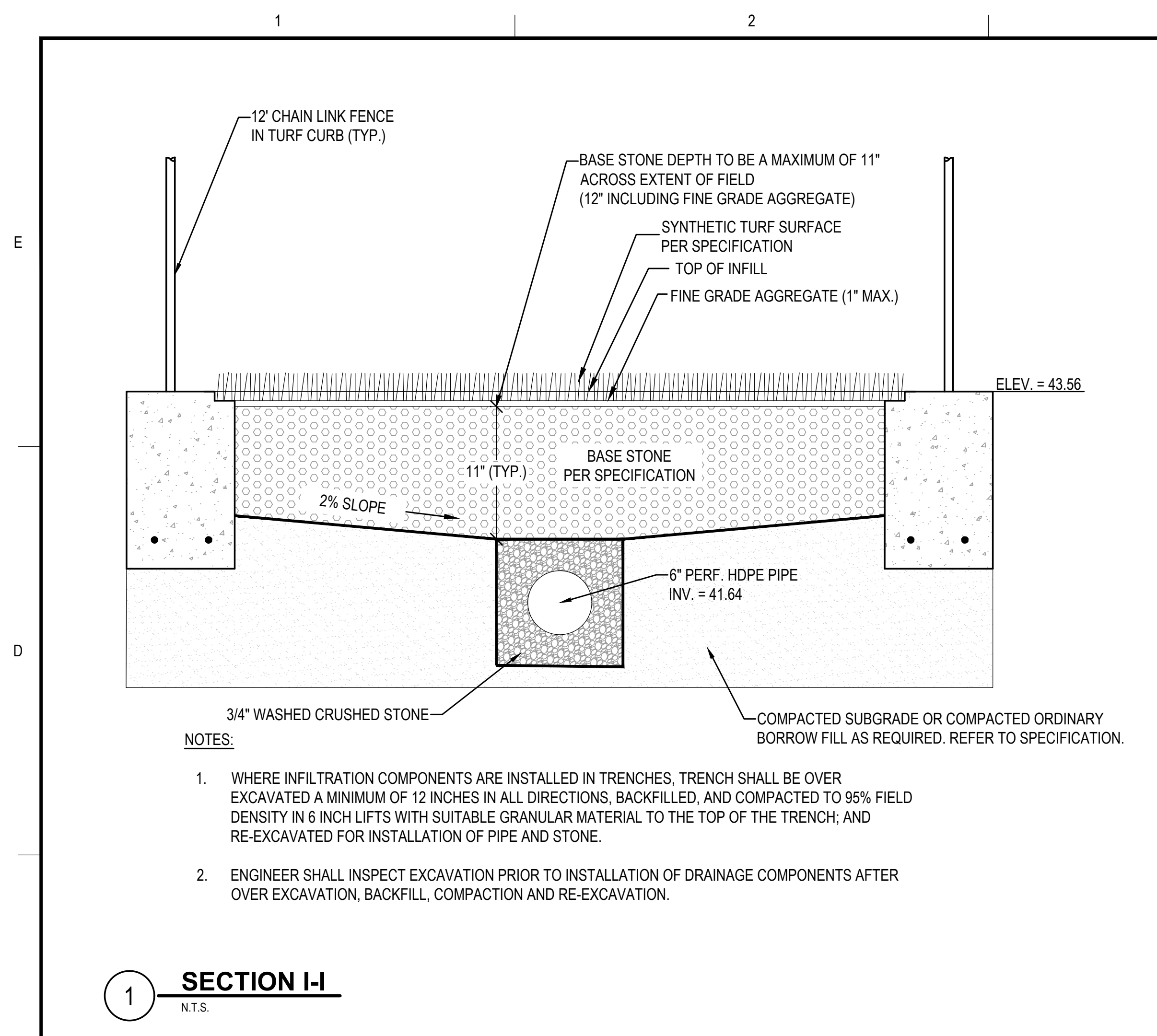
NO.	DATE	DESCRIPTION	BY
1	2/13/2024	PEER REVIEW COMM.	KFR

PROJECT NO.	718601
CADD FILE	718601_C500
DESIGNED BY	MSK
DRAWN BY	MSK
CHECKED BY	KDH / PS
DATE	11/16/2023
DRAWING SCALE	N.T.S.

GRAPHIC SCALE

SHEET TITLE
BASEBALL FIELD
DETAILS
SHEET 3 OF 4

DRAWING NO.
C522
37 OF 40



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

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718601		
CADD FILE	718601_C500		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	N.T.S.		

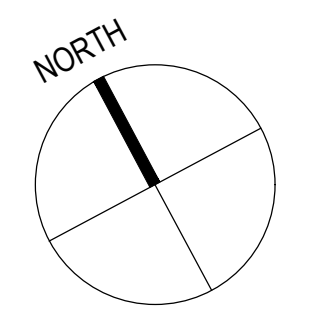
GRAPHIC SCALE

SHEET TITLE

BASEBALL FIELD DETAILS
SHEET 4 OF 4

DRAWING NO.
C523

42 OF 40



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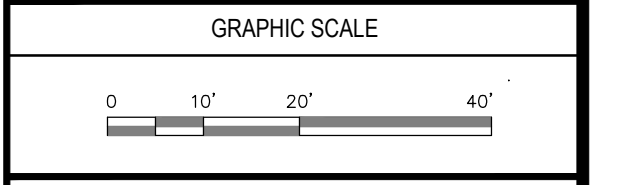
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PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
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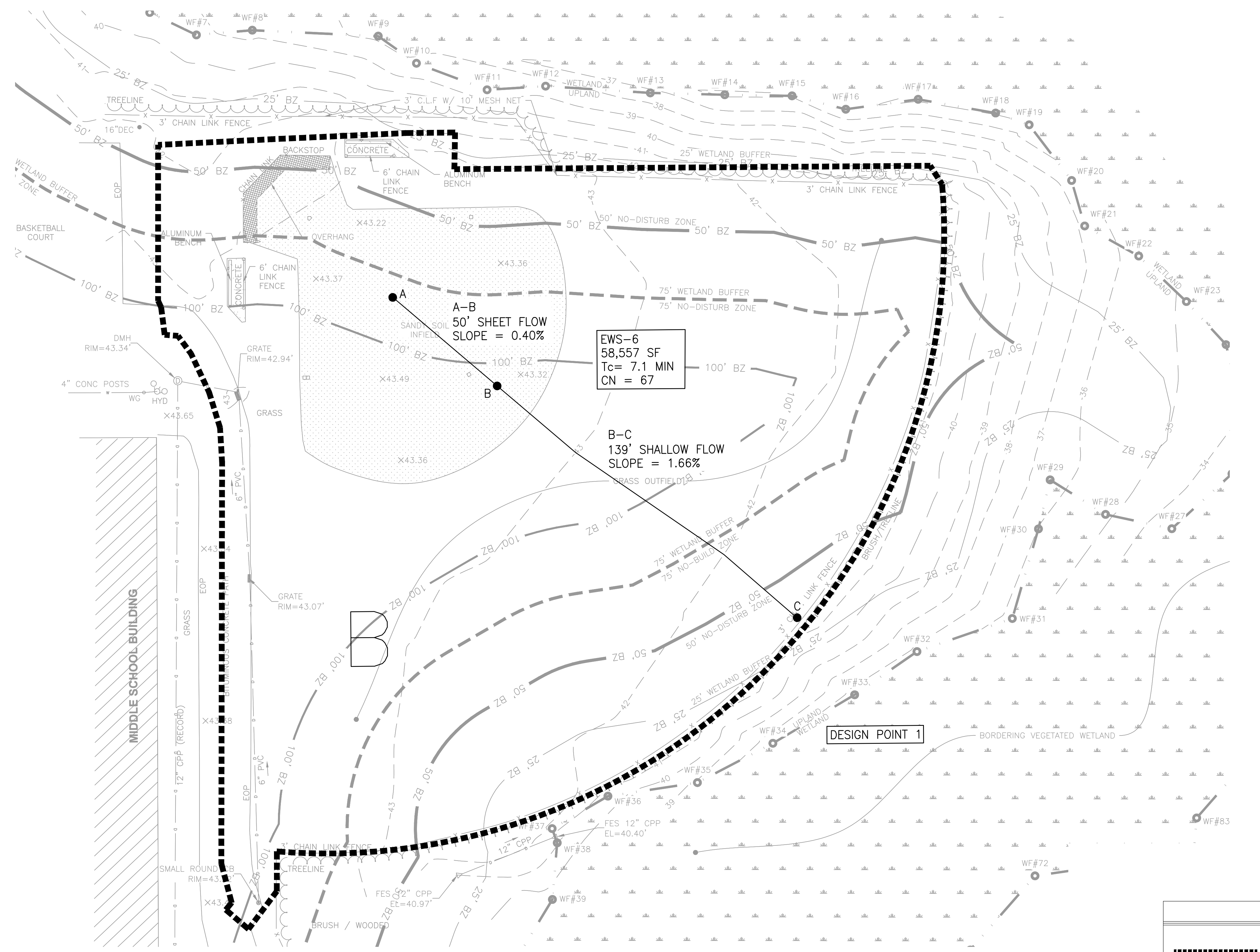
OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
5 SCHOOL STREET
WENHAM, MA 01984

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'		



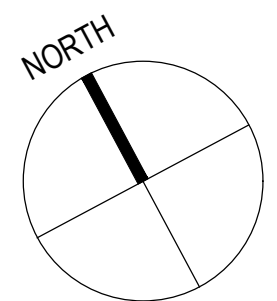
SHEET TITLE
EXISTING
WATERSHED PLAN
SHEET 1 OF 3

DRAWING NO.	PRE-1
1 OF 6	

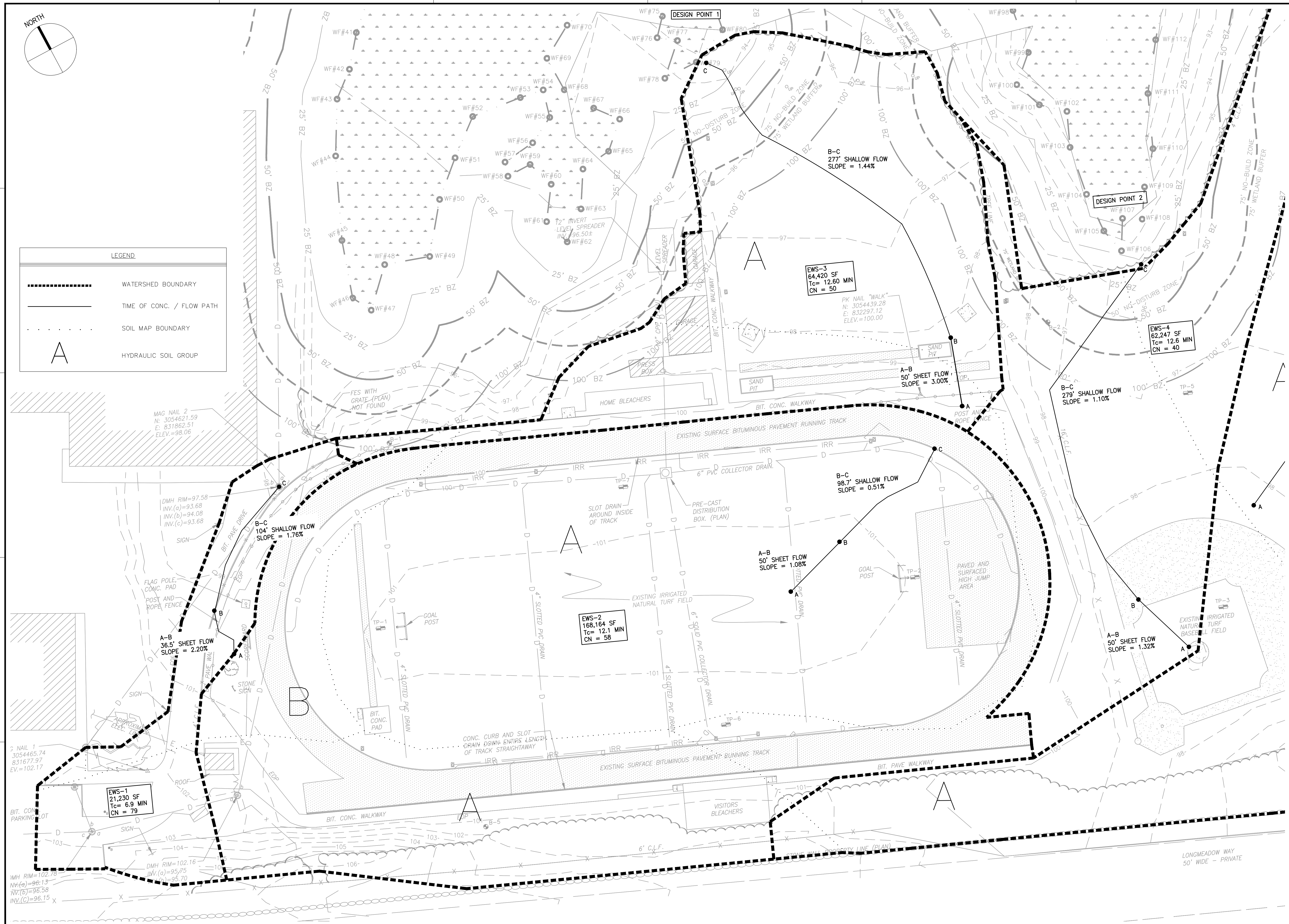


LEGEND

	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



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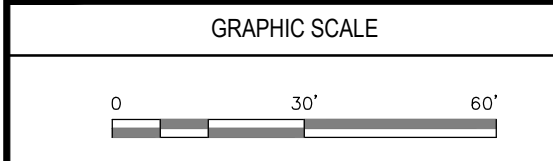
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5 SCHOOL STREET
WENHAM, MA 01984

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

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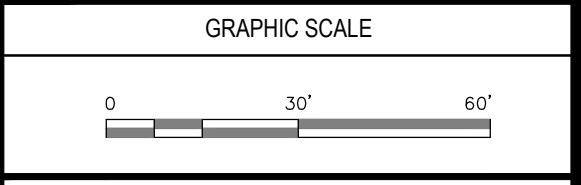
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OWNER
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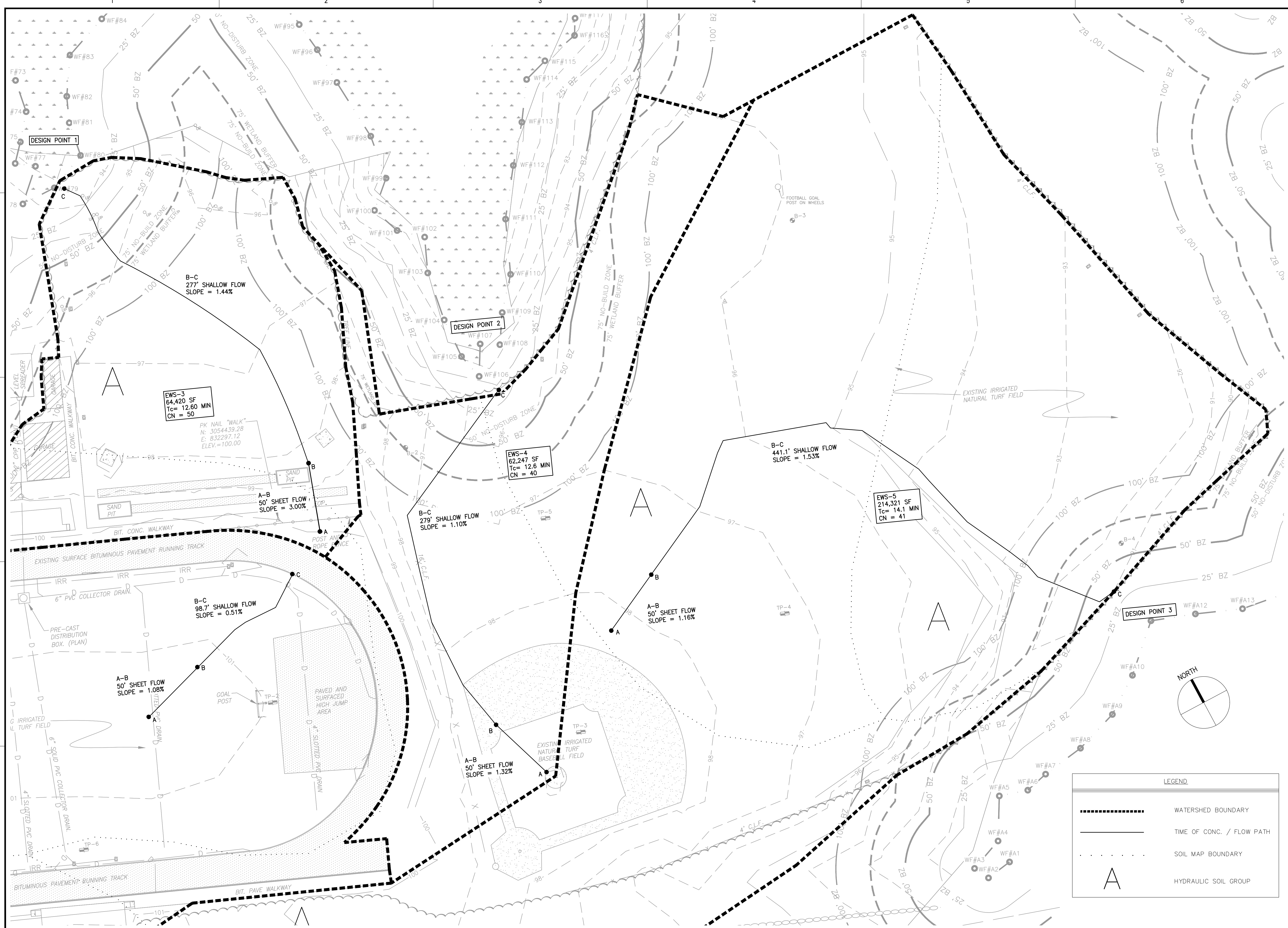
NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718600_wsPRE		
DESIGNED BY	RDT		
DRAWN BY	RDT		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	1" = 30'		



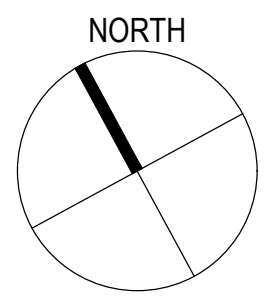
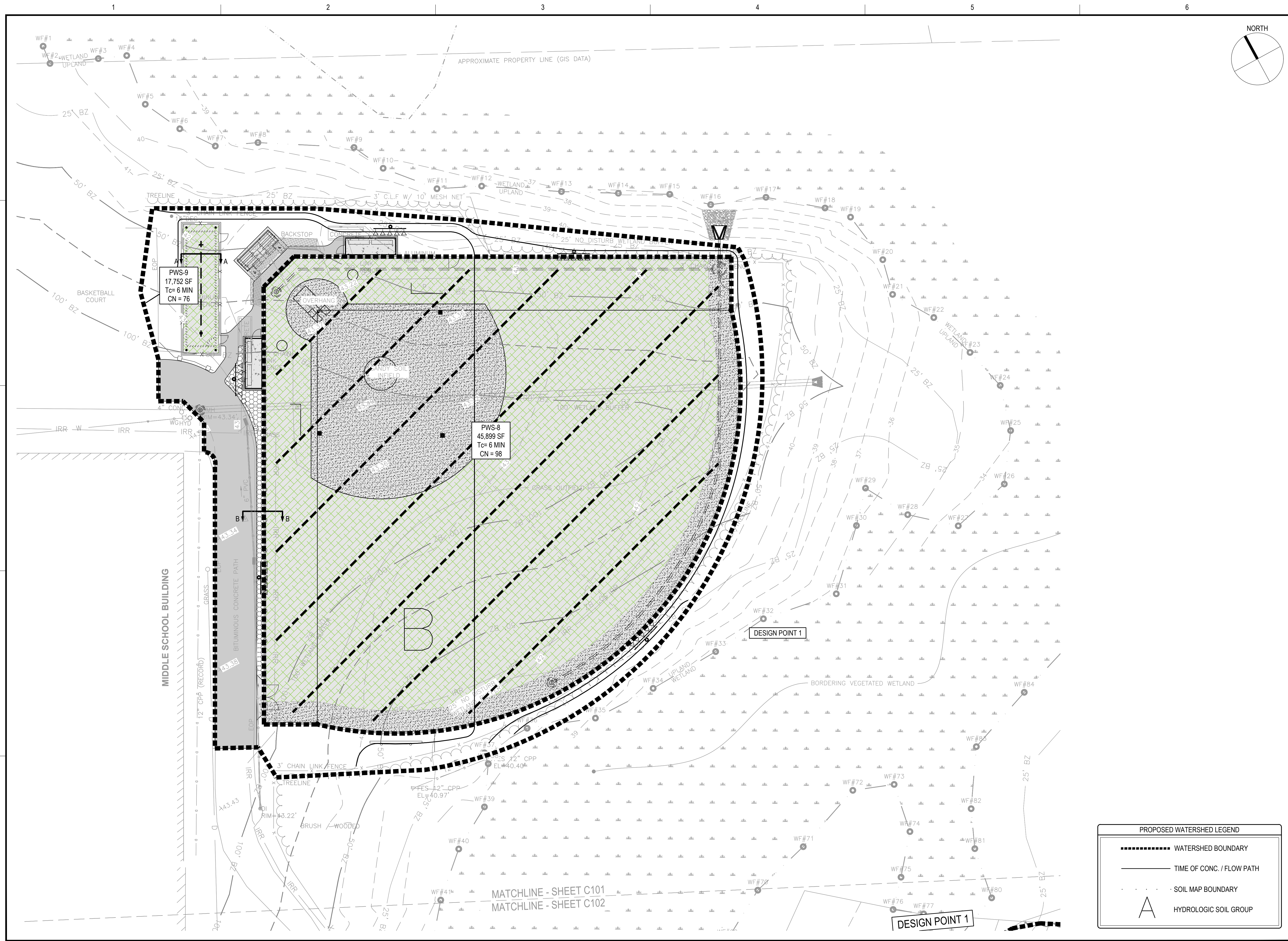
SHEET TITLE

EXISTING WATERSHED PLAN
SHEET 3 OF 3

DRAWING NO.	PRE-3
3 OF 6	



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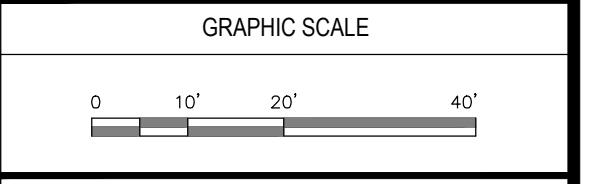
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PROJECT
 ATHLETIC CAMPUS IMPROVEMENTS
 HAMILTON-WENHAM REGIONAL HIGH SCHOOL
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 WENHAM, MA 01984

2/13/2024	PEER REVIEW COMM.	KFR

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718601		
CADD FILE	718601_wsPOST		
DESIGNED BY	CRR / KFR		
DRAWN BY	CRR / KFR		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	1" = 20'		



SHEET TITLE
 PROPOSED
 WATERSHED PLAN
 SHEET 1 OF 3

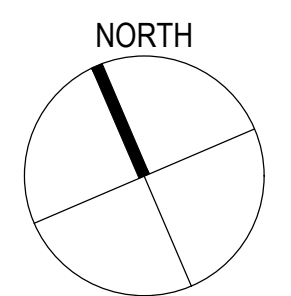
DRAWING NO. POST-1
4 OF 40

PROPOSED WATERSHED LEGEND

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

PROPOSED WATERSHED LEGEND

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



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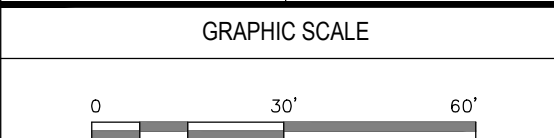
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PROJECT
 ATHLETIC CAMPUS IMPROVEMENTS
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 SOUTH HAMILTON, MA 01982

OWNER
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 5 SCHOOL STREET
 WENHAM, MA 01984

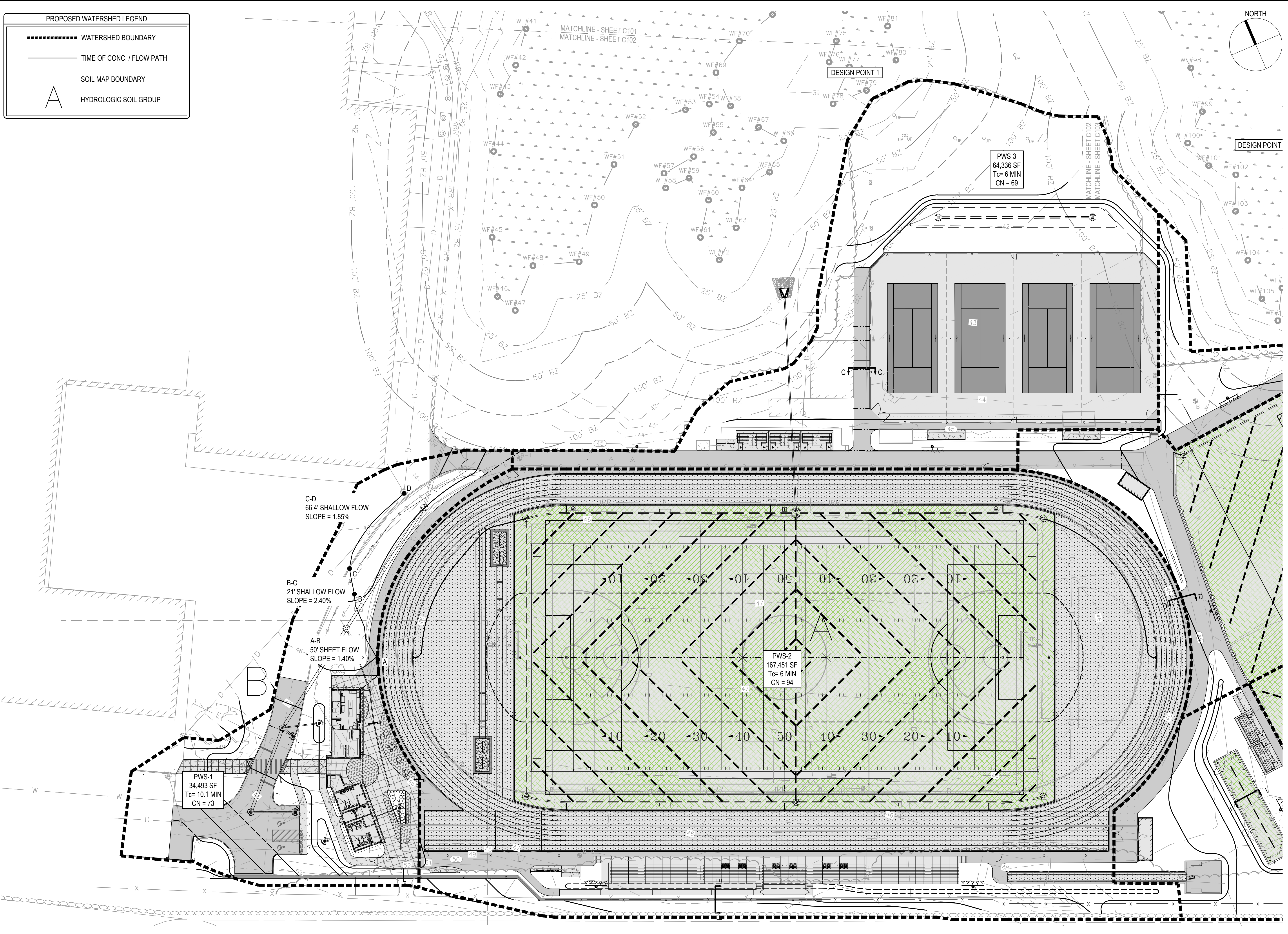
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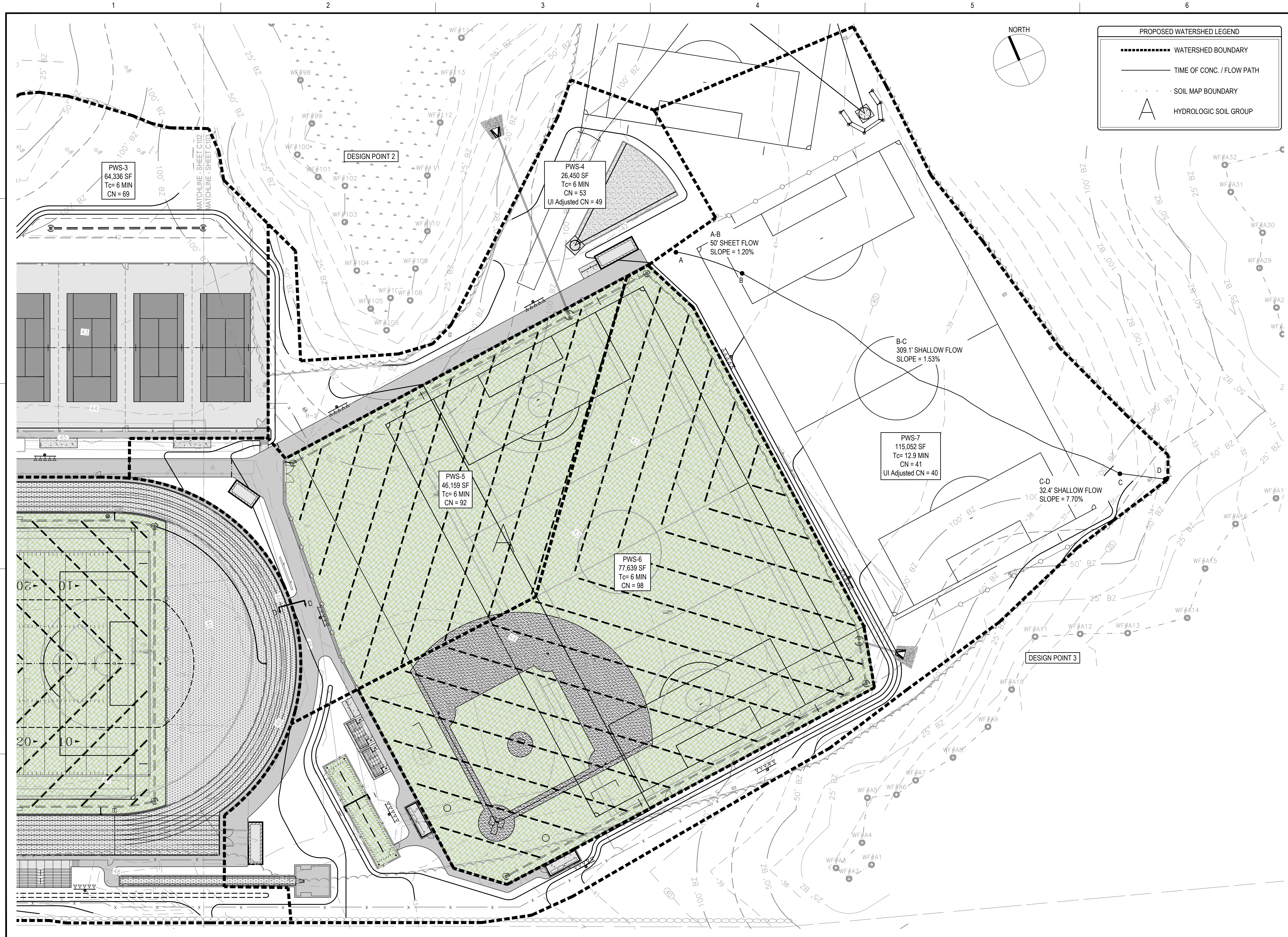
NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718601		
CADD FILE	718601_wsPOST		
DESIGNED BY	CRR / KFR		
DRAWN BY	CRR / KFR		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	1" = 30'		



SHEET TITLE
PROPOSED WATERSHED PLAN SHEET 2 OF 3

DRAWING NO.
POST-2
 5 OF 40





PROPOSED WATERSHED LEGEND

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



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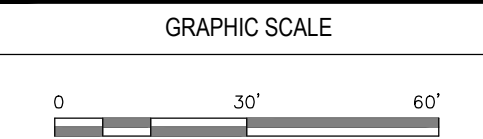
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PROJECT
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NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718601		
CADD FILE	718601_wsPOST		
DESIGNED BY	CRR / KFR		
DRAWN BY	CRR / KFR		
CHECKED BY	KDH / PS		
DATE	11/16/2023		
DRAWING SCALE	1" = 30'		



SHEET TITLE

PROPOSED WATERSHED PLAN SHEET 3 OF 3

DRAWING NO.
POST-3
 6 OF 40