

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.

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.

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.

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 values for various 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.

ABBREVIATIONS

Table listing abbreviations such as APPROX, BC, BCC, BIT, BLDG, BVW, BW, CB, CCB, CLDI, CMP, CONC, COND, DIA, DIM, DMH, E/T/C, EMH, EOP, EXIST, FND, GSO, HDPE, HH, HYD, INV and their corresponding full names.



Gale Associates, Inc. Engineers and Planners
163 LIBBEY PARKWAY | WEYMOUTH, MA 02189P 781.335.6465 F 781.335.6467 www.gainc.com
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PROJECT: ATHLETIC CAMPUS IMPROVEMENTS HAMILTON-WENHAM REGIONAL HIGH SCHOOL HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
OWNER: 775 BAY ROAD SOUTH HAMILTON, MA 01982 HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT 5 SCHOOL STREET WENHAM, MA 01984

Table with columns: NO., DATE, DESCRIPTION, BY. Row 1: 1/22/2024, PEER REVIEW COMM., KFR

Table with columns: PROJECT NO., CADD FILE, DESIGNED BY, DRAWN BY, CHECKED BY, DATE, DRAWING SCALE. Values: 718600, 718600_G001, MSK / KFR, MSK / KFR, KDH, 11/16/2023, -

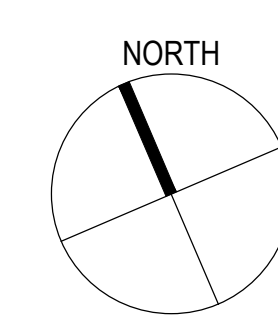
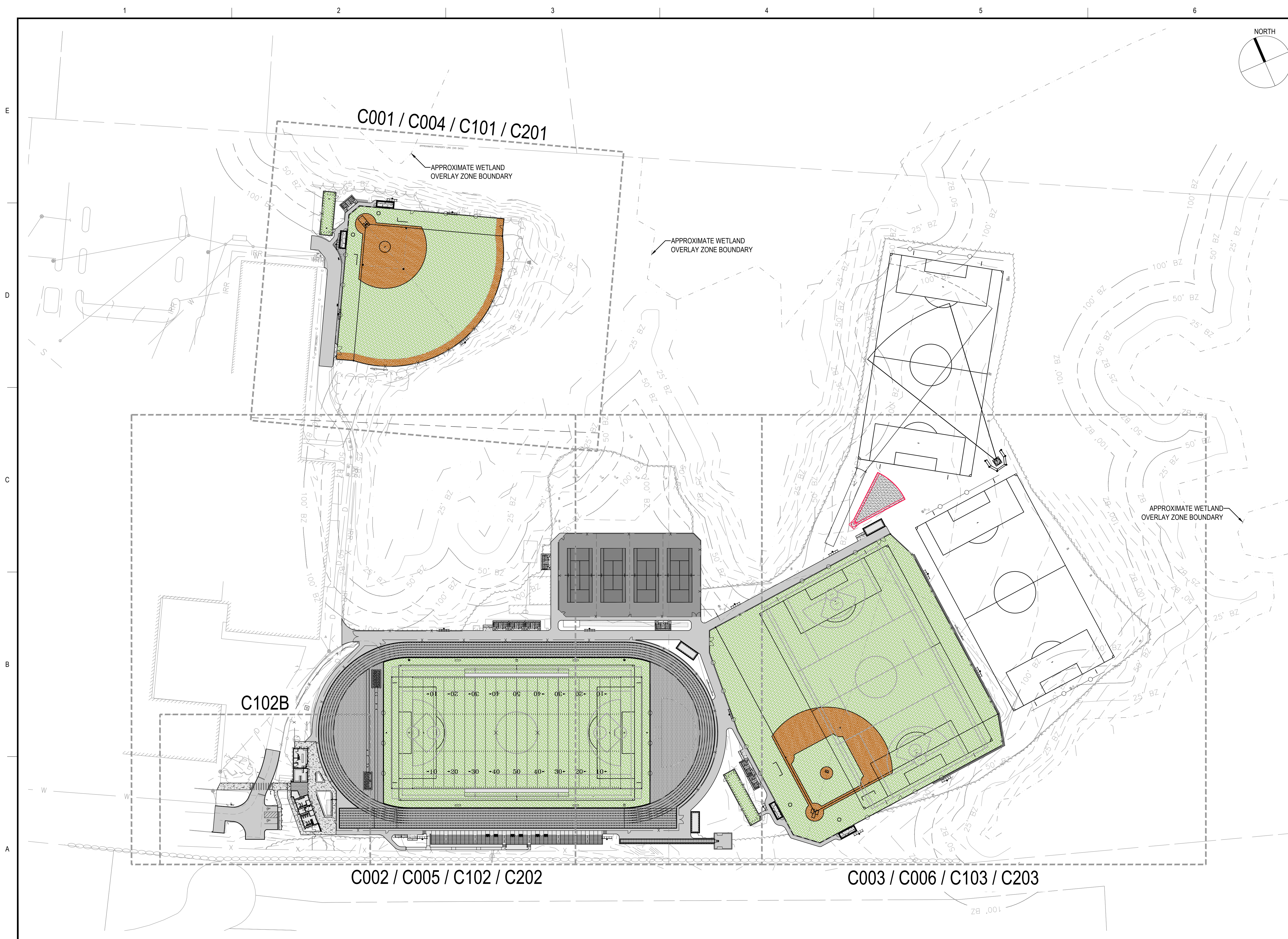
GRAPHIC SCALE

SHEET TITLE

NOTES AND LEGEND

DRAWING NO.

G002



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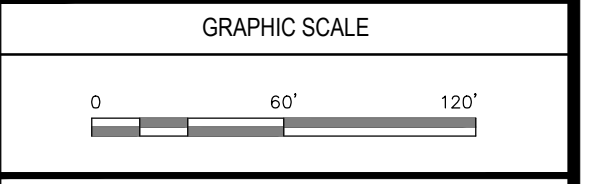
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PROJECT
 ATHLETIC CAMPUS IMPROVEMENTS
 HAMILTON-WENHAM REGIONAL HIGH SCHOOL
 775 BAY ROAD
 SOUTH HAMILTON, MA 01982

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

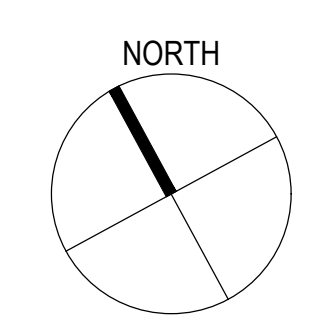
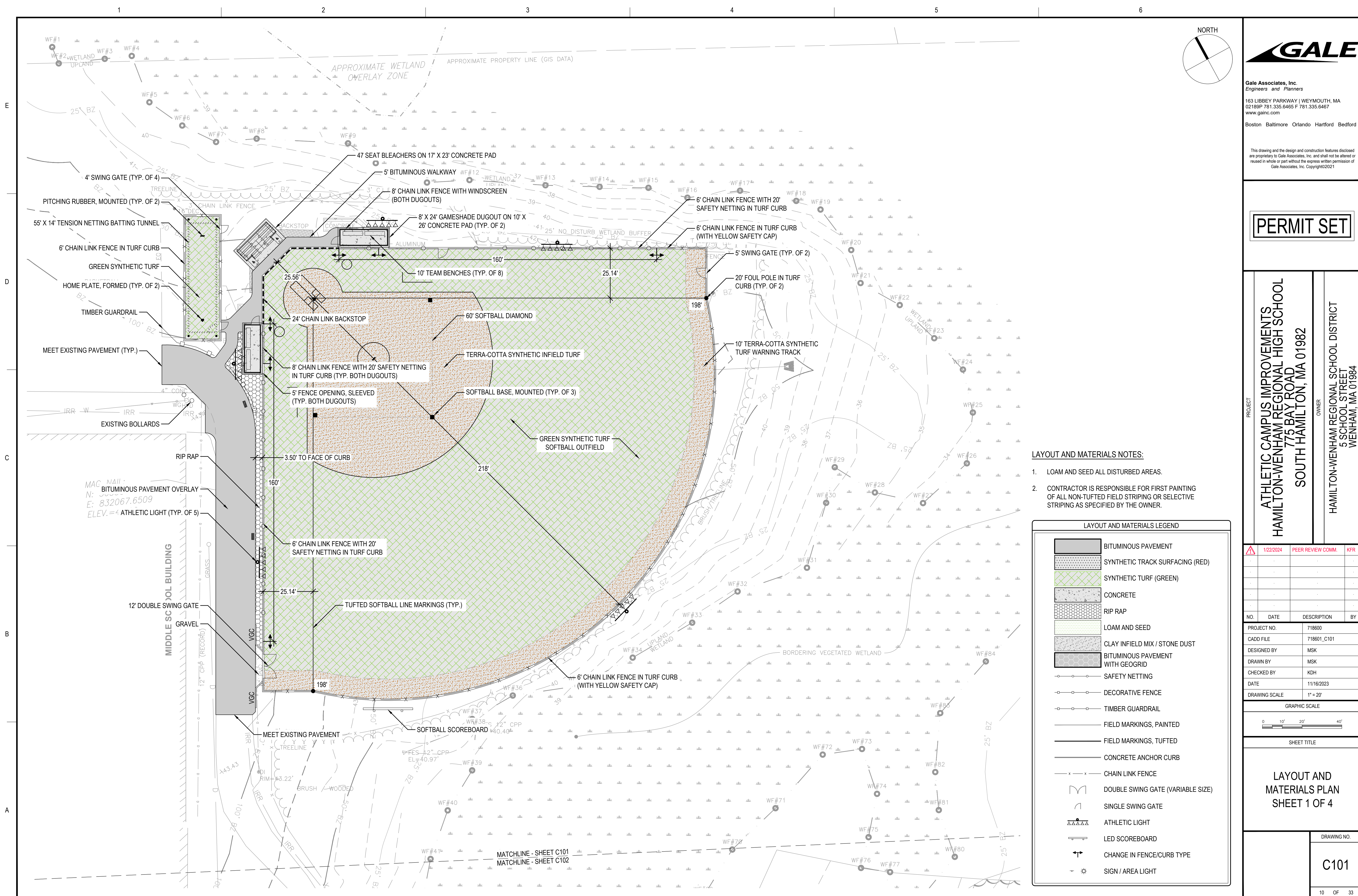
1/22/2024	PEER REVIEW COMM.	KFR

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718601_C101		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	1" = 60'		



SHEET TITLE
LAYOUT AND MATERIALS KEY PLAN

DRAWING NO.
C100
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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

LAYOUT AND MATERIALS NOTES:

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

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.	718600		
CADD FILE	718601_C101		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	1" = 20'		

GRAPHIC SCALE

SHEET TITLE

LAYOUT AND MATERIALS PLAN SHEET 1 OF 4

DRAWING NO.	C101
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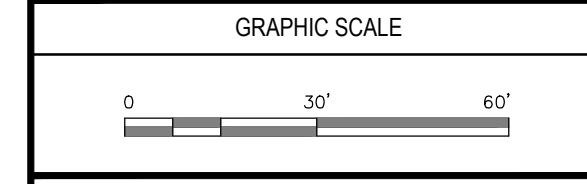
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PROJECT
ATHLETIC CAMPUS IMPROVEMENTS
HAMILTON-WENHAM REGIONAL HIGH SCHOOL
775 BAY ROAD
SOUTH HAMILTON, MA 01982

OWNER
HAMILTON-WENHAM REGIONAL SCHOOL DISTRICT
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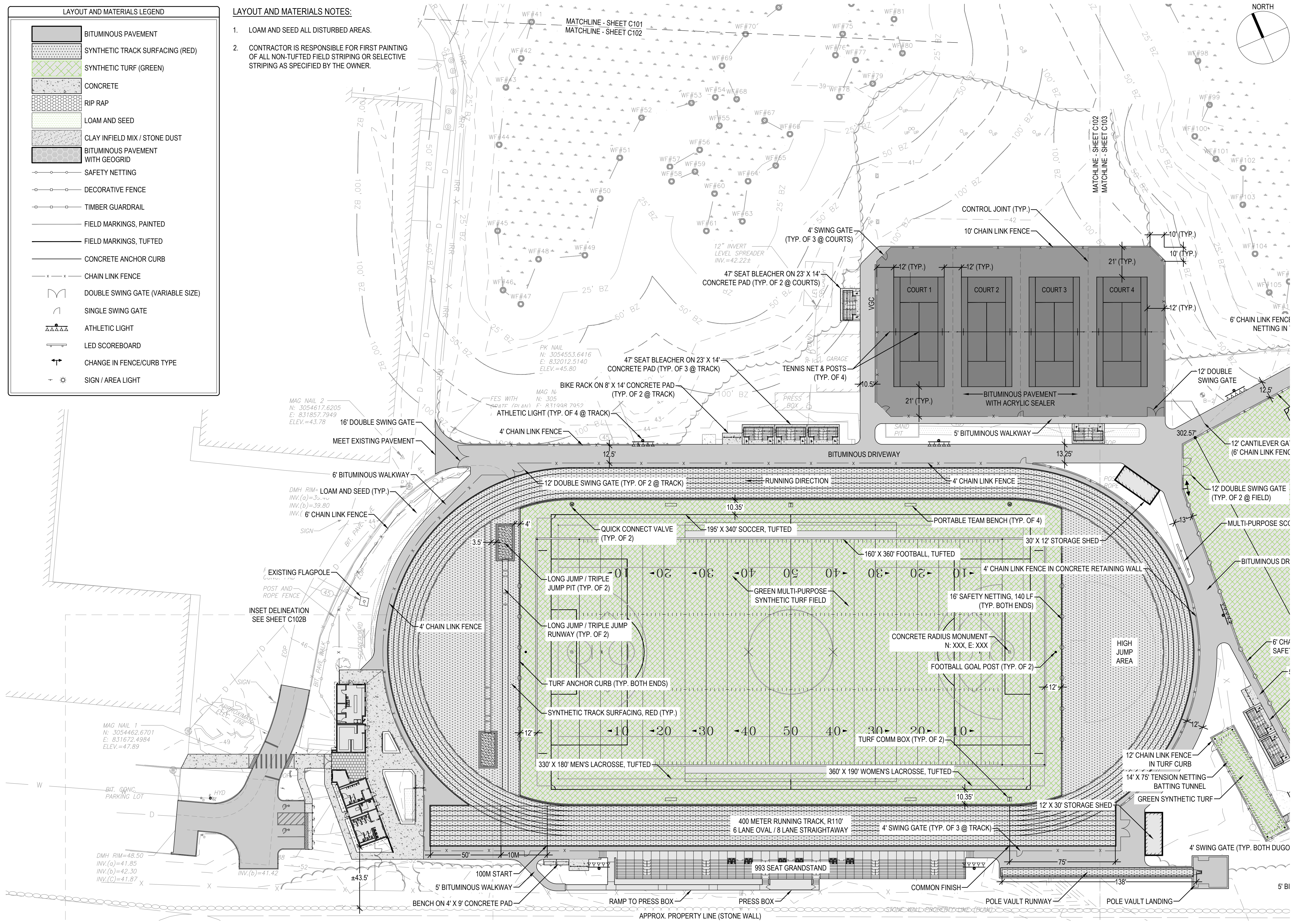
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CADD FILE	718601_C101		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	1" = 30'		



SHEET TITLE

LAYOUT AND MATERIALS PLAN
SHEET 2 OF 4

DRAWING NO.
C102
11 OF 33

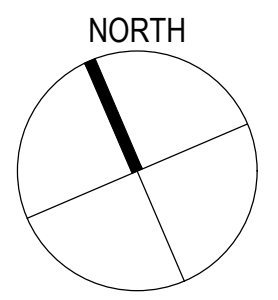


LAYOUT AND MATERIALS NOTES:

- 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.

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
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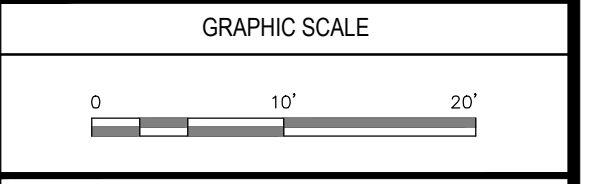
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PROJECT
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 SOUTH HAMILTON, MA 01982

OWNER
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PROJECT NO.	718600		
CADD FILE	718601_C101		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	1/22/2024		
DRAWING SCALE	1" = 10'		



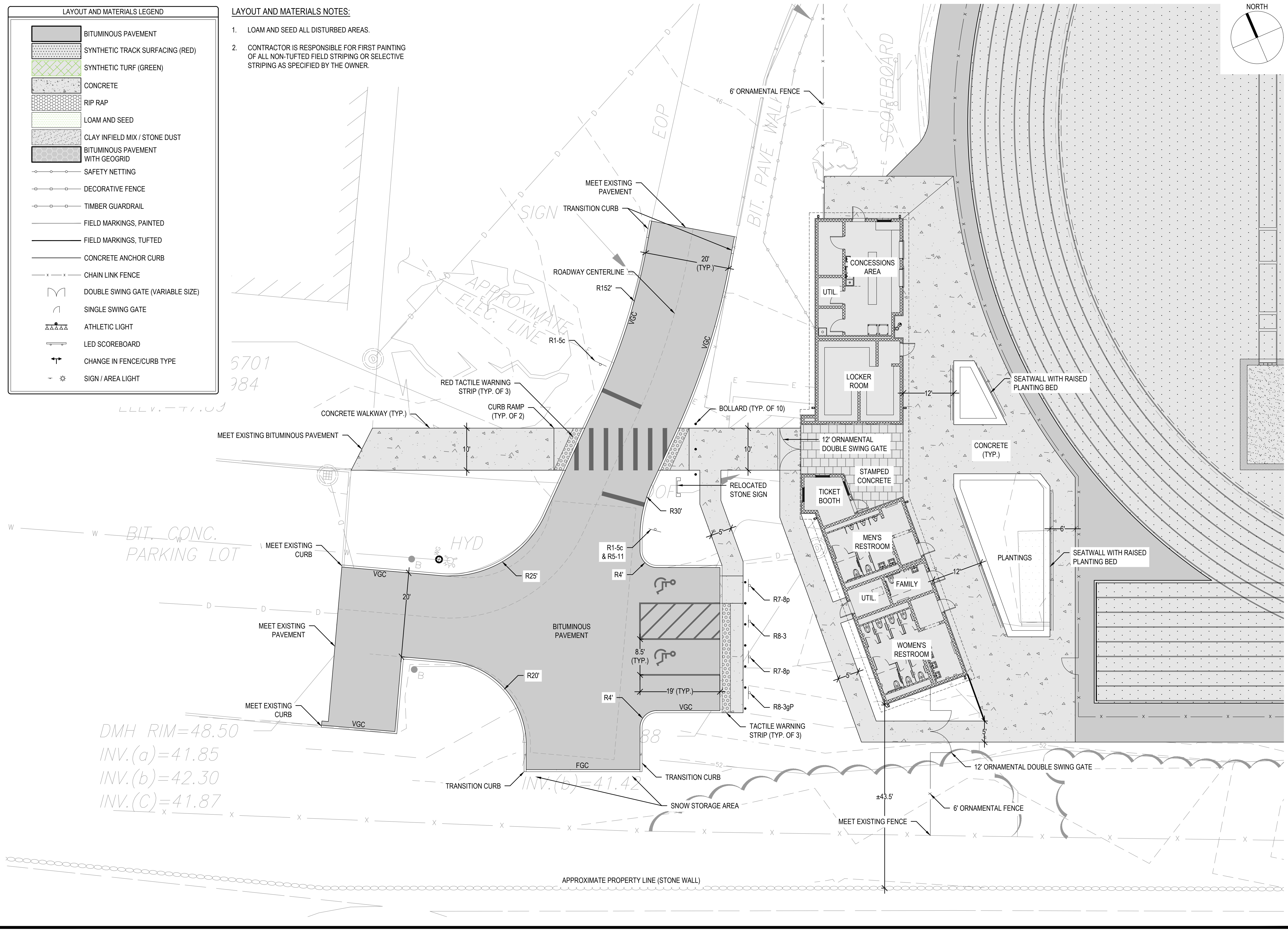
SHEET TITLE
 LAYOUT AND MATERIALS PLAN
 SHEET 3 OF 4

DRAWING NO.
 C102B
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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
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- 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.

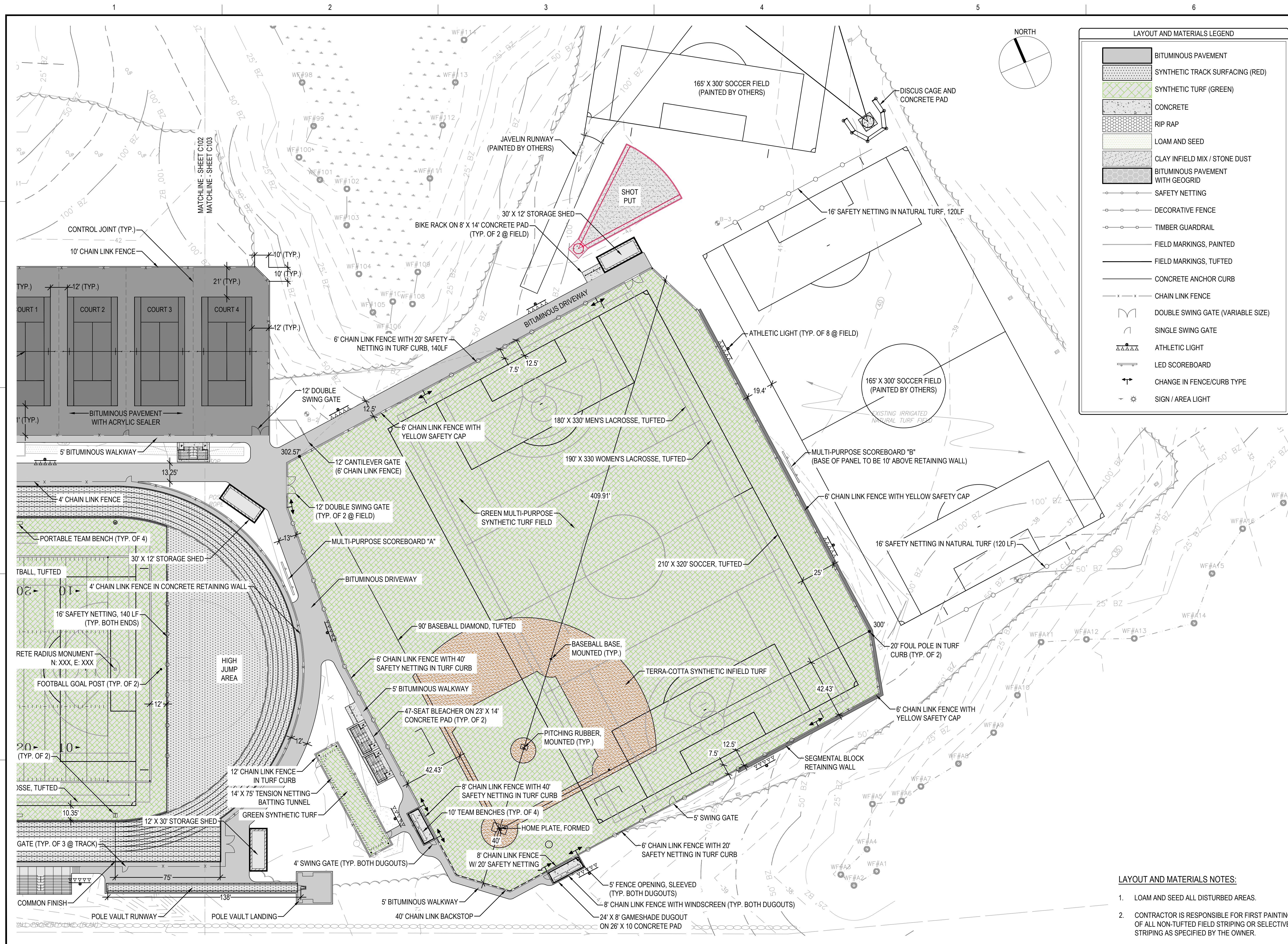


5701
384

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

- 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



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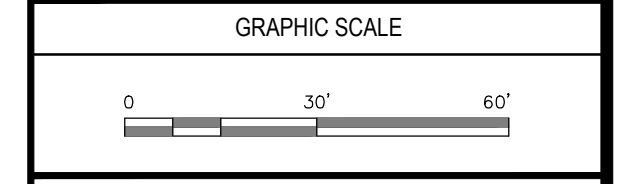
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PROJECT
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 SOUTH HAMILTON, MA 01982

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

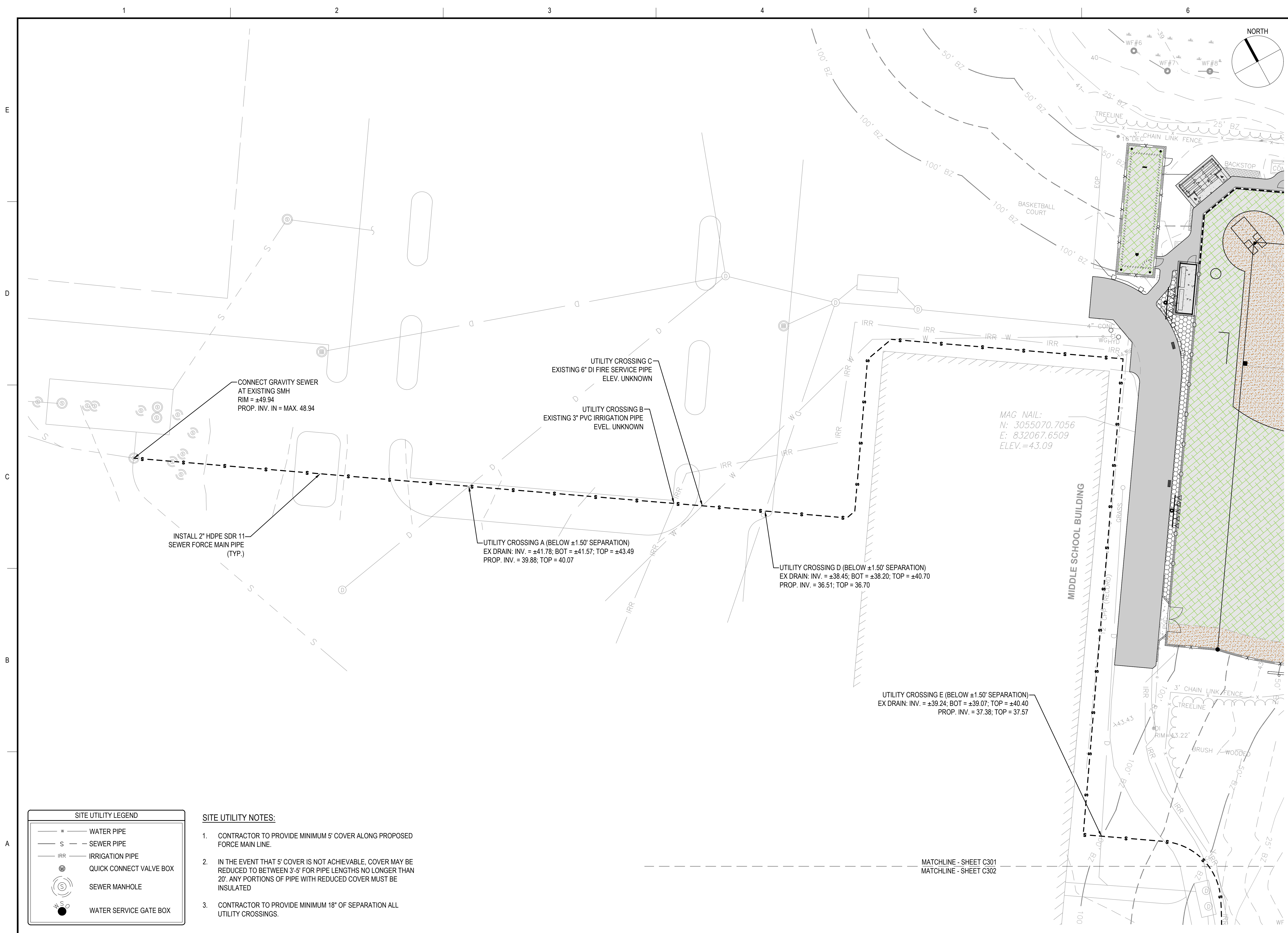
NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718601_C101		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	11/16/2023		
DRAWING SCALE	1" = 30'		



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

- 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.

DRAWING NO.
 C103
 13 OF 33



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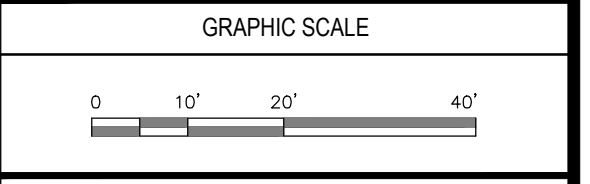
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PROJECT NO.	718600		
CADD FILE	718601_C301		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	1/22/2024		
DRAWING SCALE	1" = 20'		

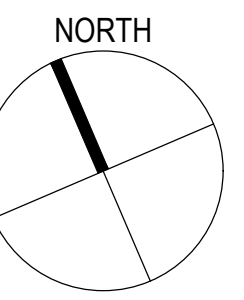


SHEET TITLE
 SITE UTILITIES PLAN
 SHEET 1 OF 2

DRAWING NO.	C301
16 OF 33	

- 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.

MATCHLINE - SHEET C301
 MATCHLINE - SHEET C302



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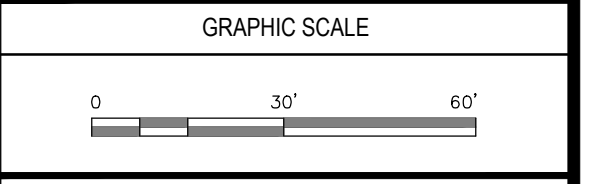
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OWNER
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5 SCHOOL STREET
WENHAM, MA 01984

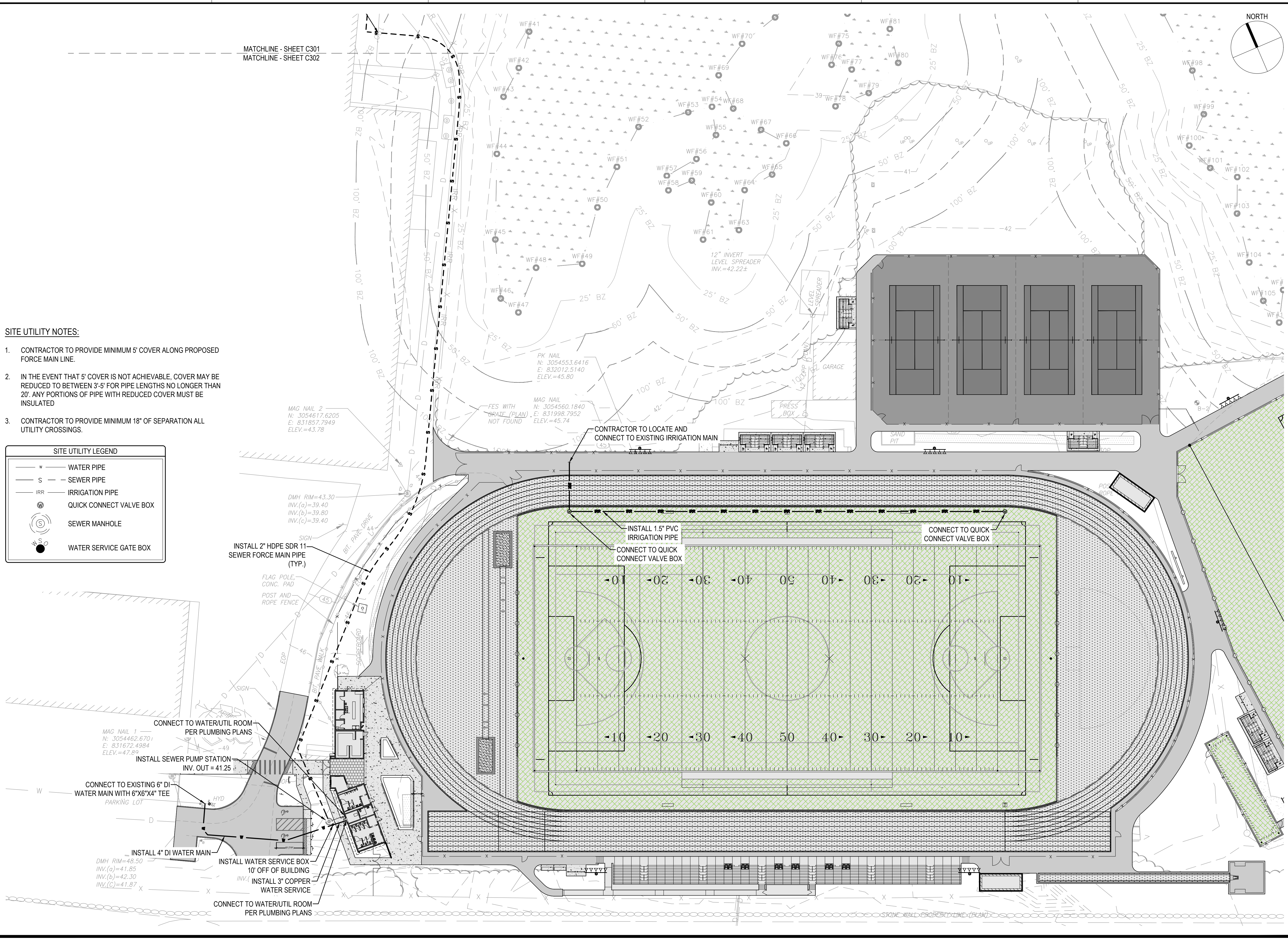
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PROJECT NO.	718600		
CADD FILE	718601_C301		
DESIGNED BY	MSK / CRR		
DRAWN BY	MSK / CRR		
CHECKED BY	KDH		
DATE	1/22/2024		
DRAWING SCALE	1" = 30'		



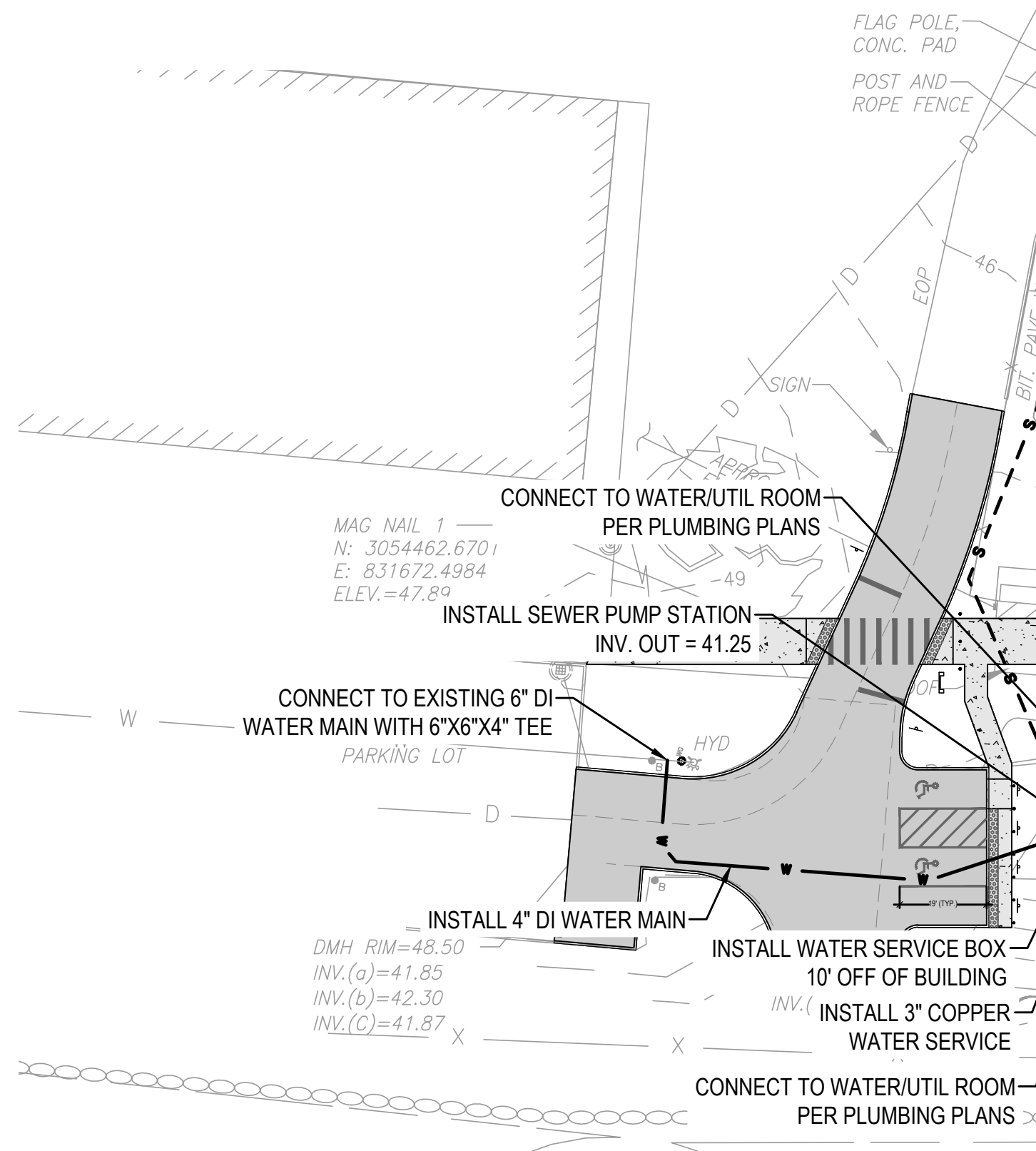
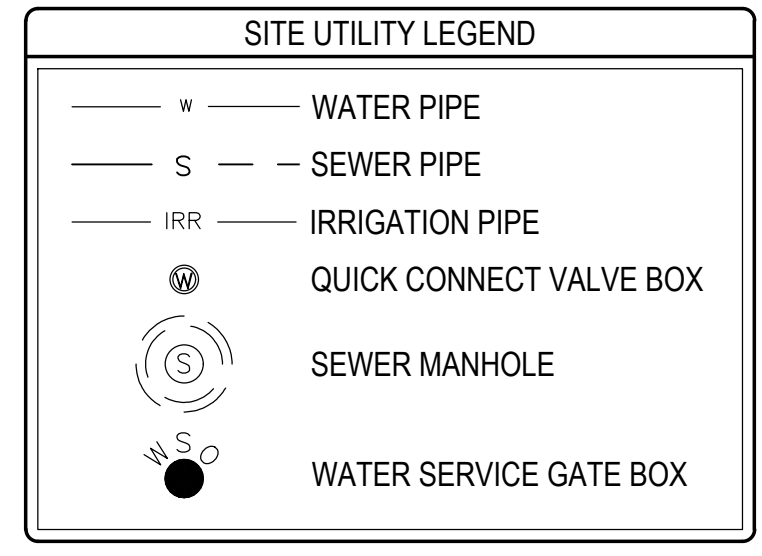
SHEET TITLE

**SITE UTILITIES PLAN
SHEET 2 OF 2**

DRAWING NO.
C302
17 OF 33



- 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.



1

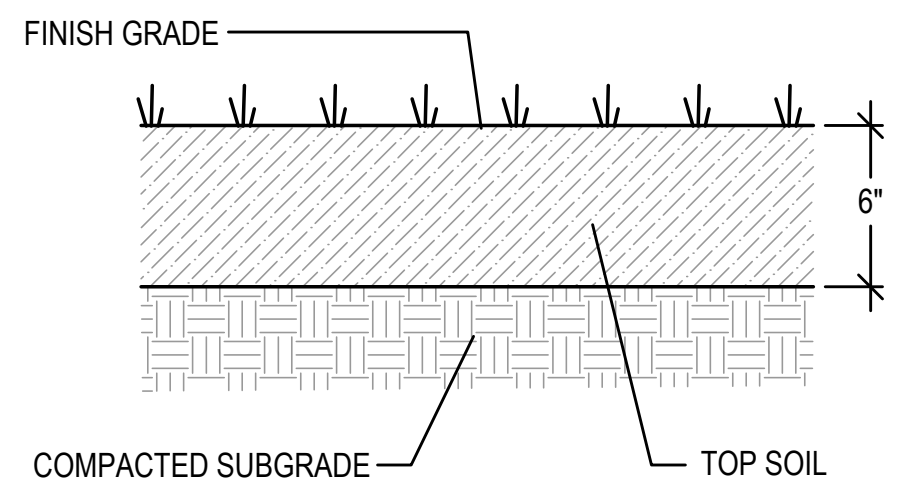
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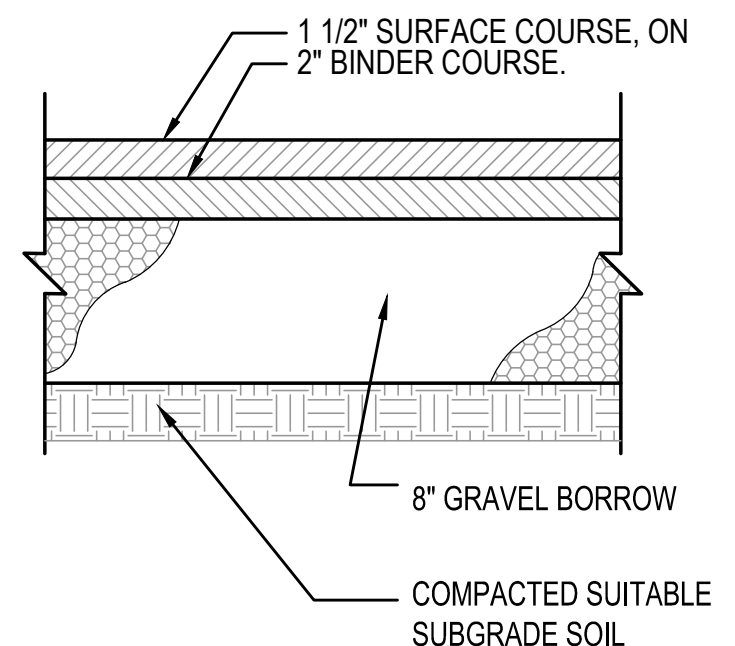
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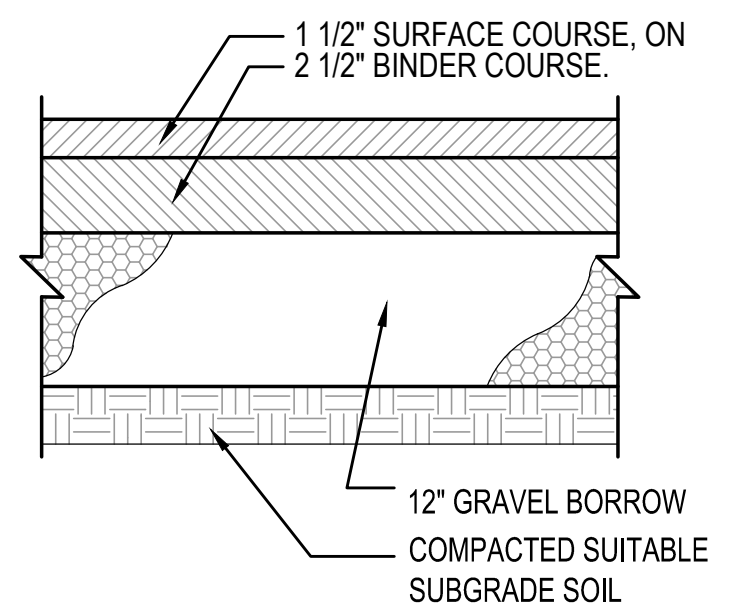
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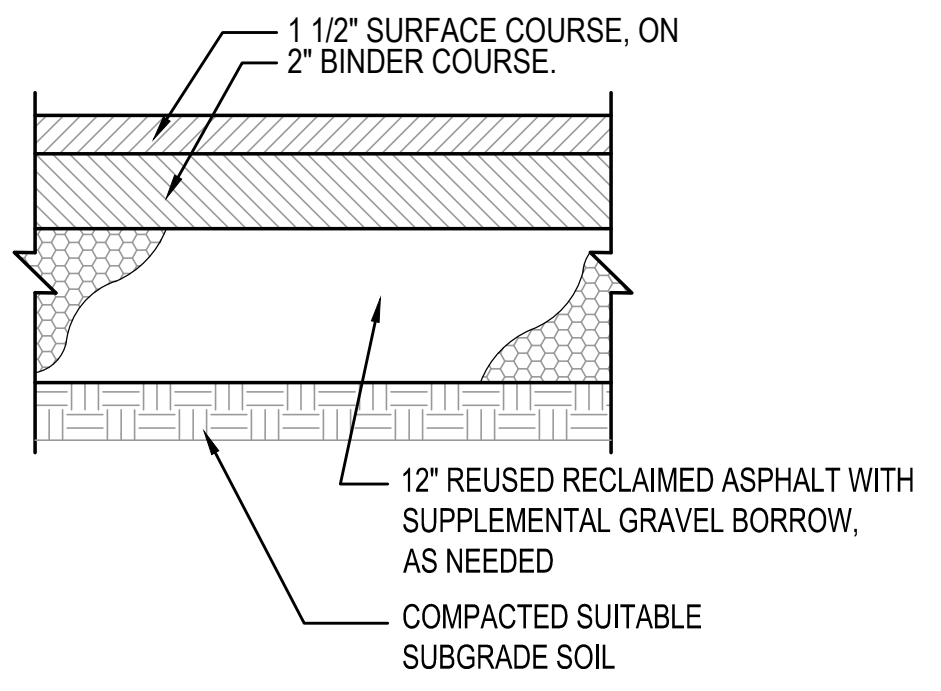
1 LOAM & SEED (DISTURBED AREAS)
N.T.S.



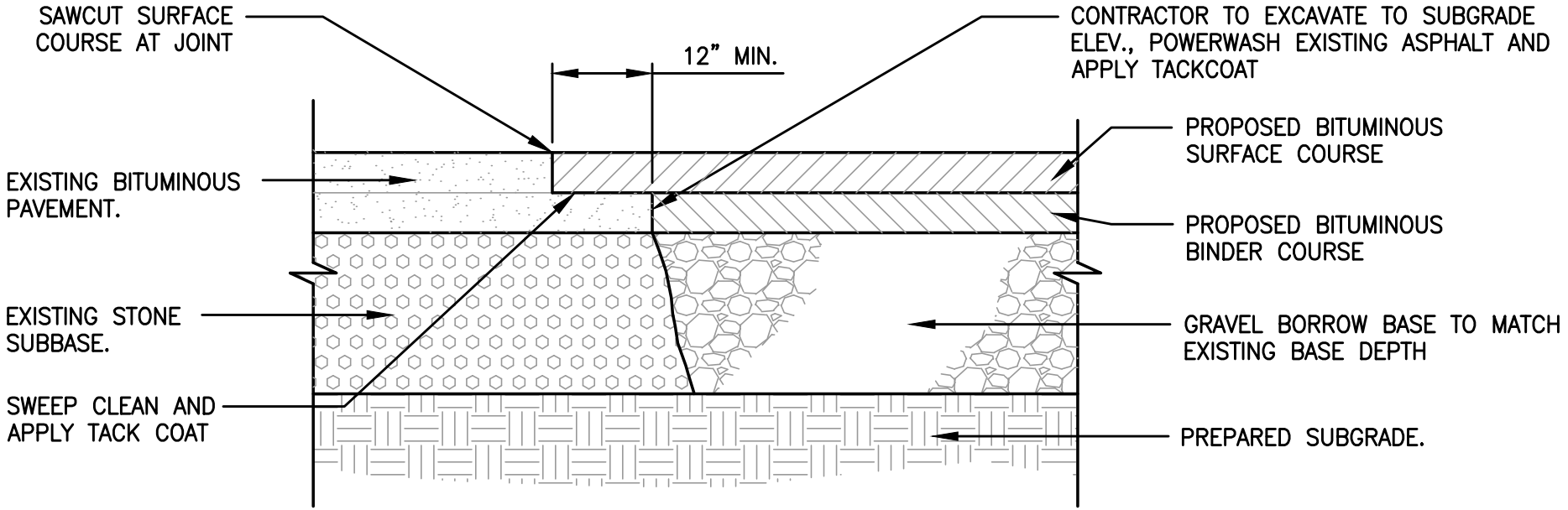
2 SIDEWALK PAVEMENT SECTION
N.T.S.



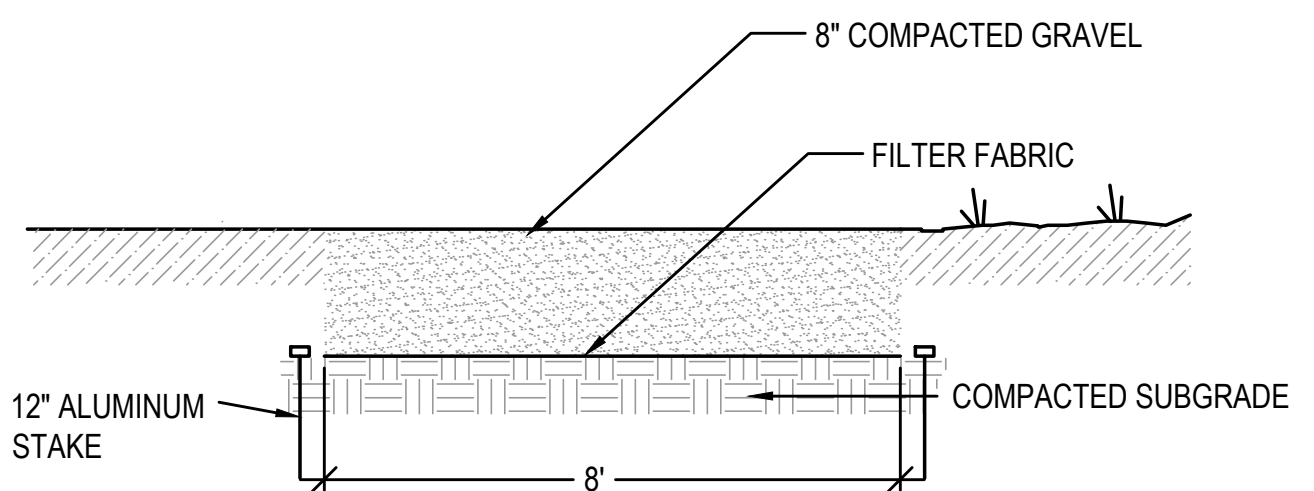
3 DRIVEWAY PAVEMENT SECTION
N.T.S.



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

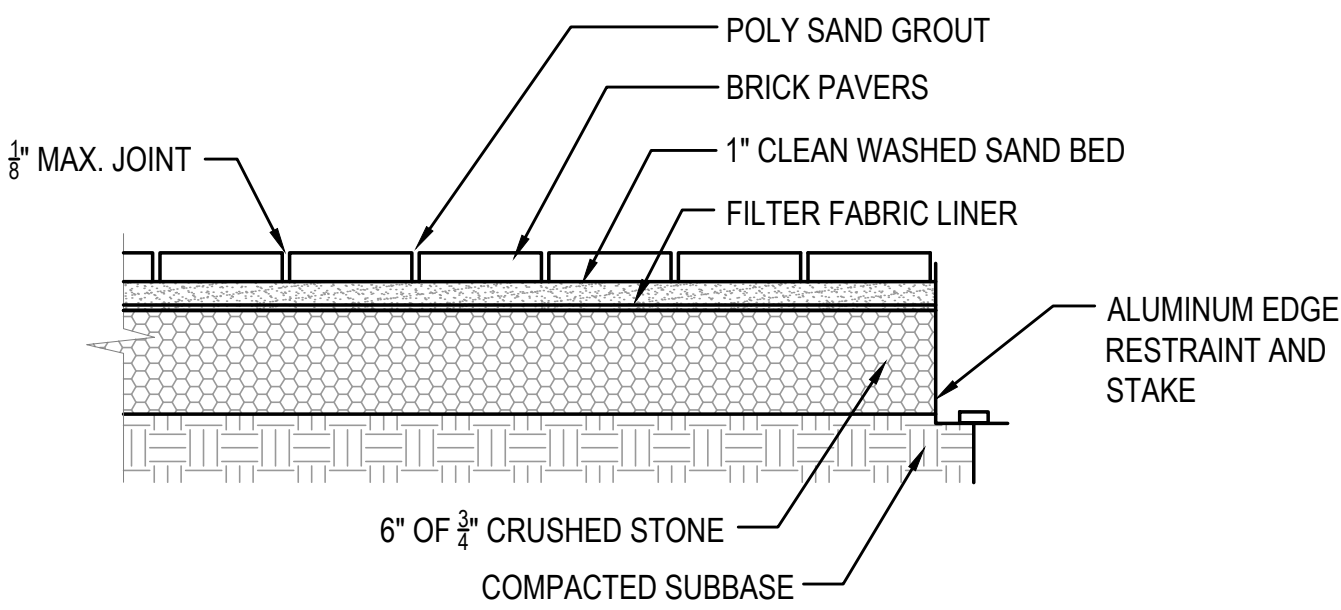


5 PAVEMENT JOINTING DETAIL
N.T.S.

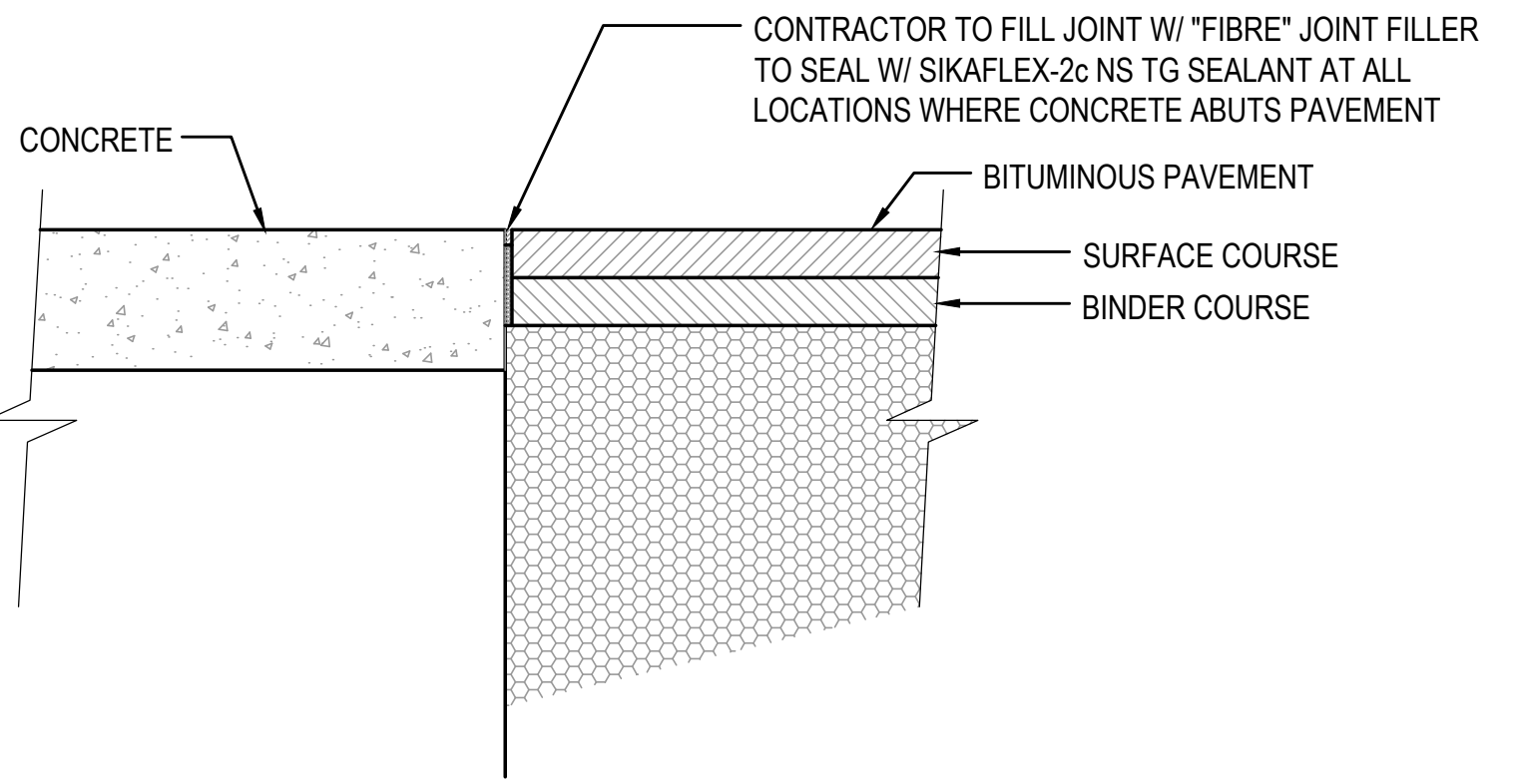


6 GRAVEL EMERGENCY ACCESS DRIVE
N.T.S.

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

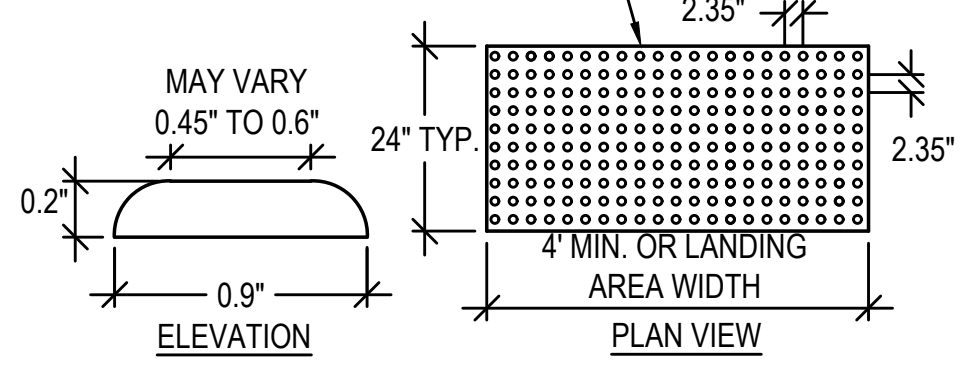


7 BRICK PAVERS
N.T.S.



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

SHALL BE A SQUARE GRID, EQUAL IN BOTH DIRECTIONS. DOMES SHALL BE ALIGNED IN THE DIRECTION OF PEDESTRIAN TRAVEL AND DIRECTED TOWARD RAMP ON OPPOSITE SIDE OF STREET.



NOTE: TACTILE WARNING SHALL BE BRICK RED UNLESS OTHERWISE NOTED.

9 TACTILE WARNING STRIP
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**

1/22/2024 PEER REVIEW COMM. KFR

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
CADD FILE	718601_CS00		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	1/22/2024		
DRAWING SCALE	N.T.S.		

GRAPHIC SCALE

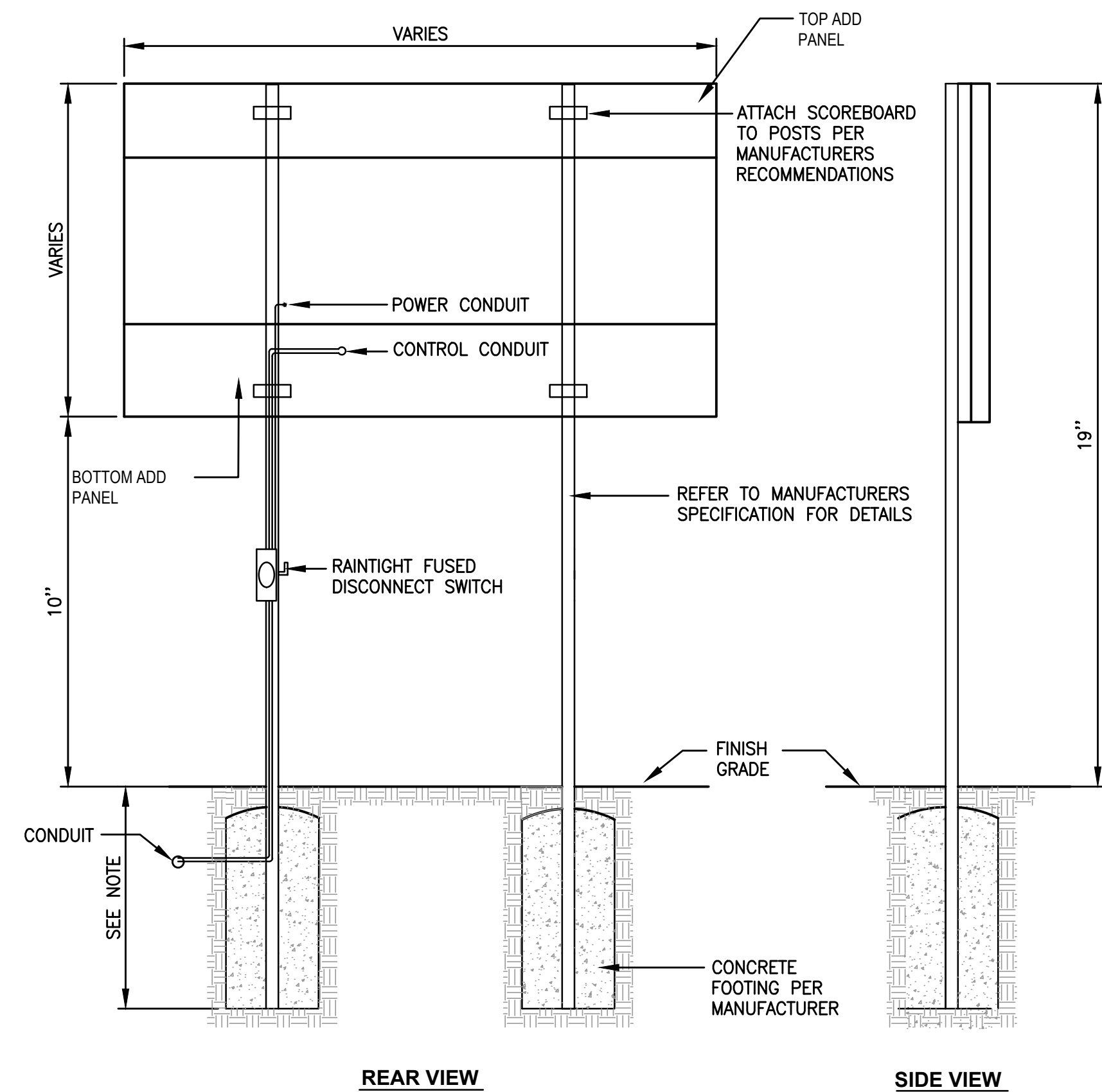
SHEET TITLE

**GENERAL DETAILS
SHEET 2 OF 3**

DRAWING NO.

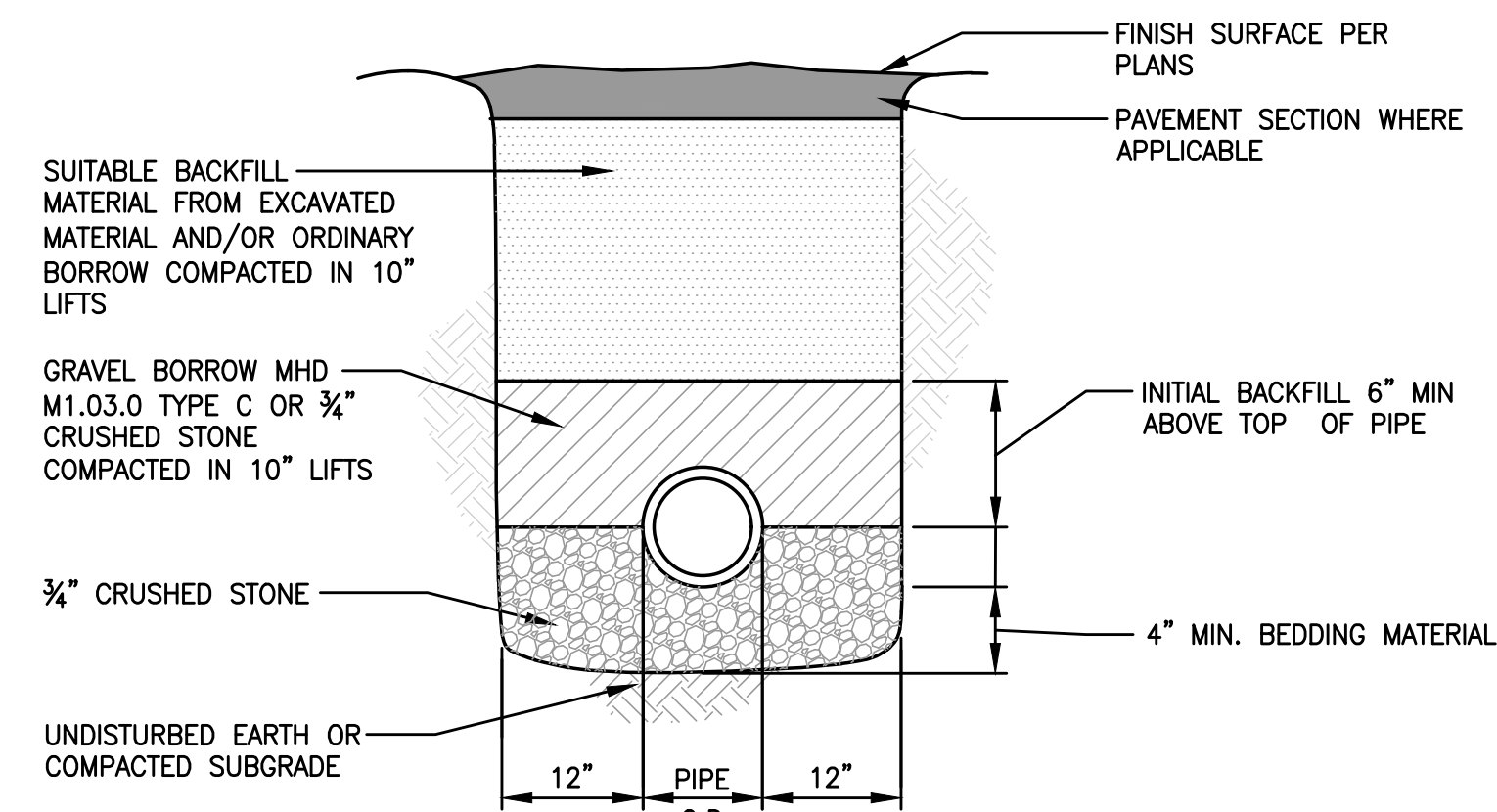
C502

18 OF 33



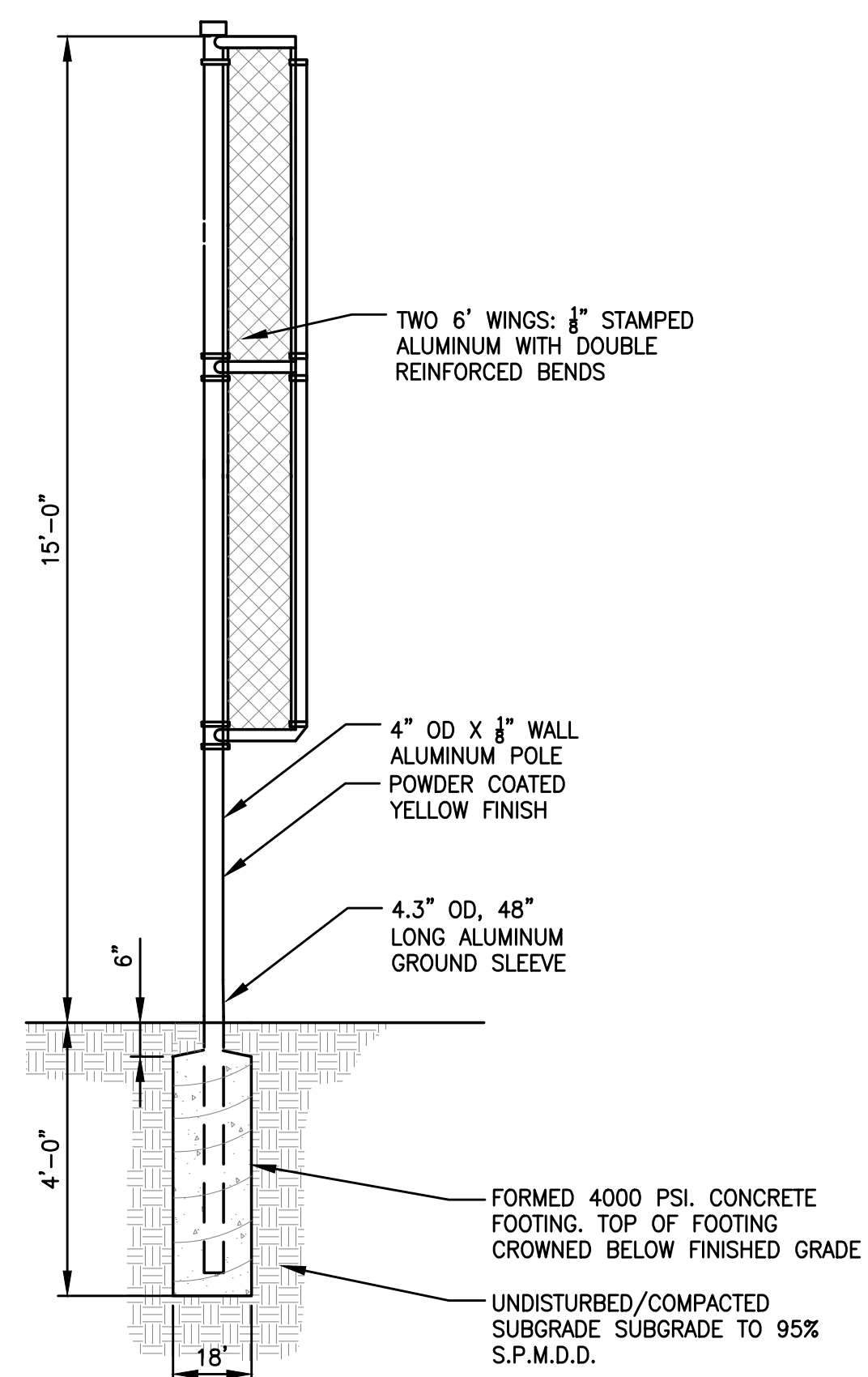
1 SCOREBOARD DETAIL
N.T.S.

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

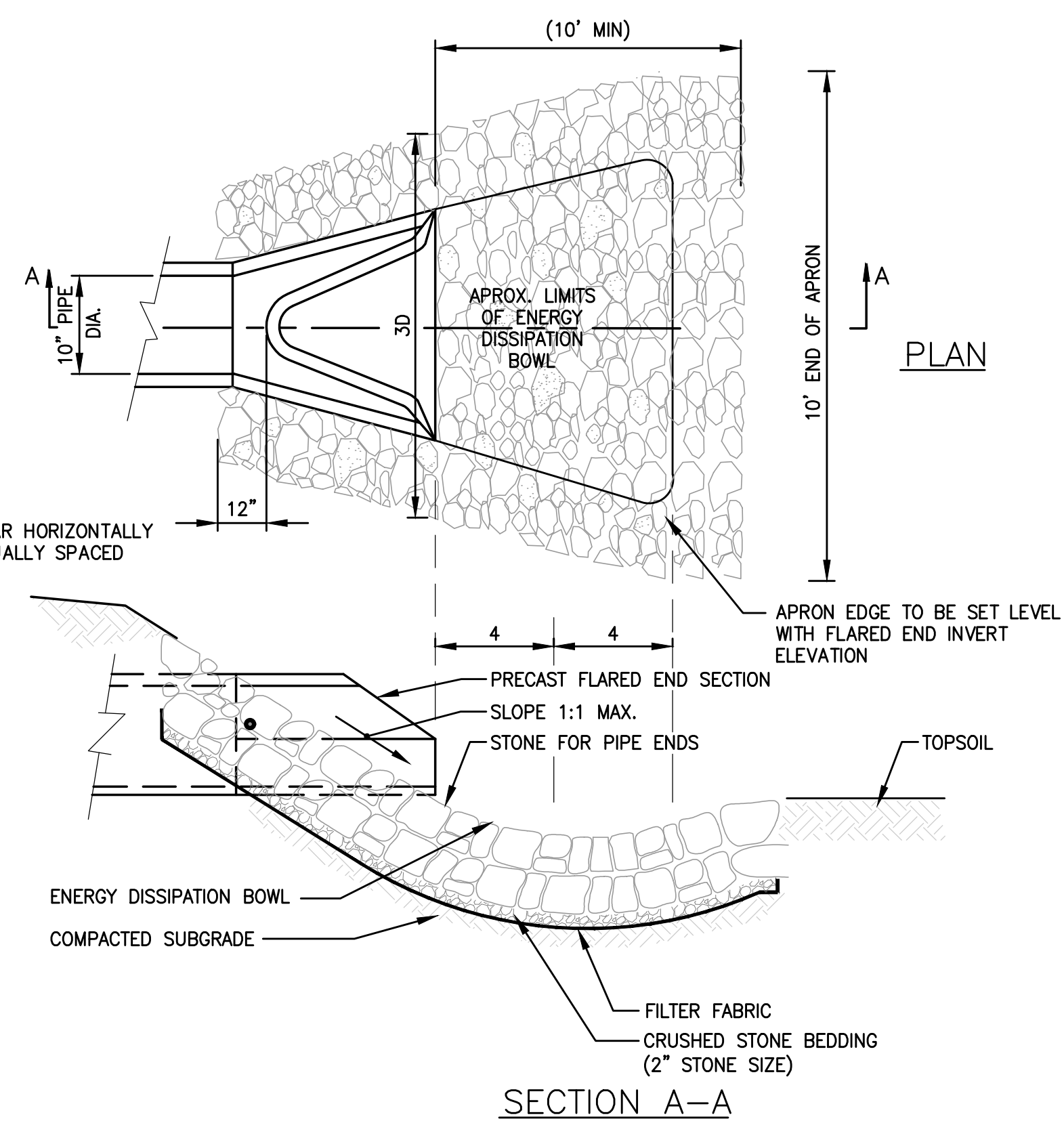


2 HDPE TRENCH DETAIL (UP TO 24" DIA.)
N.T.S.

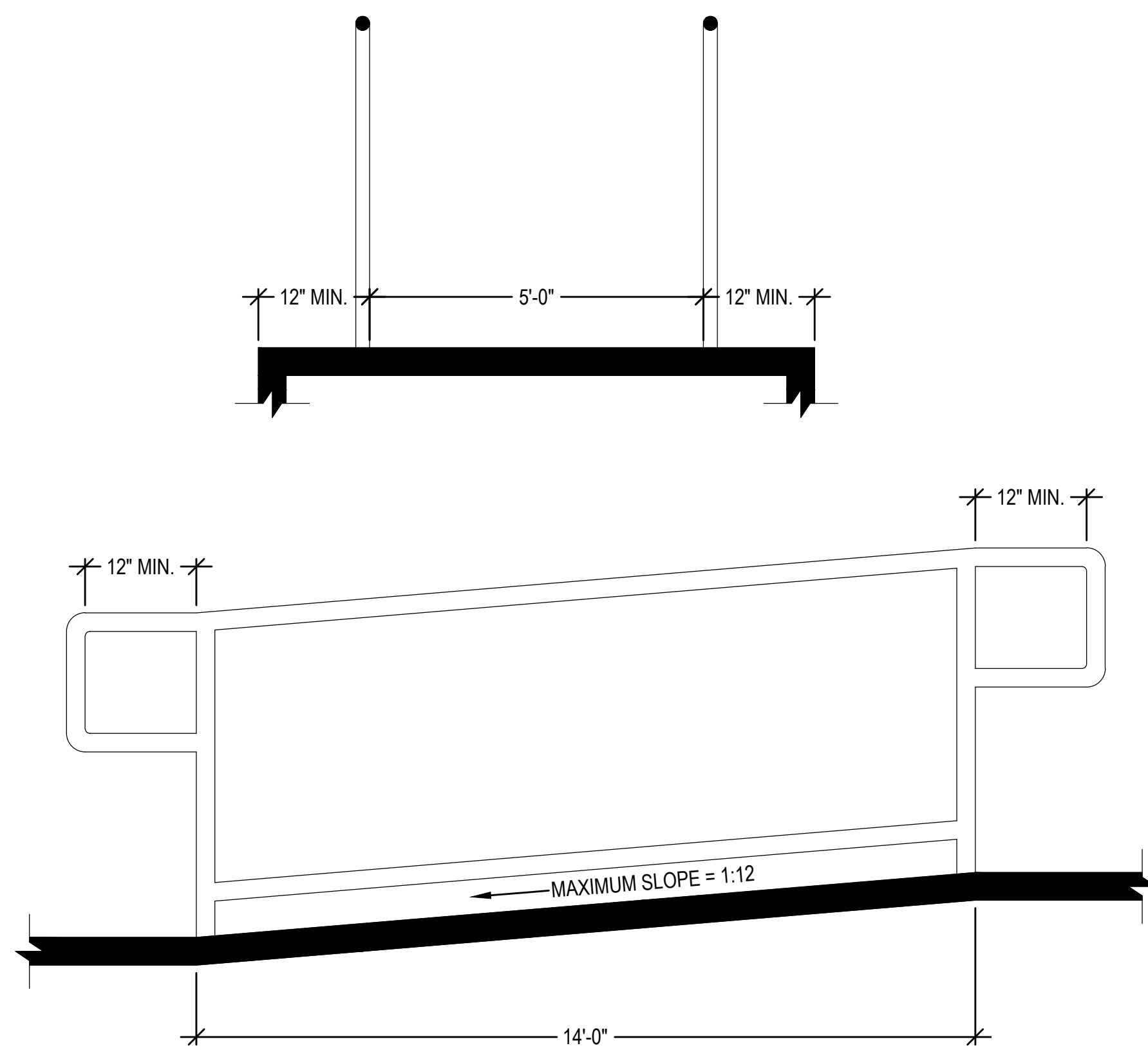
NOTE:
 CONTRACTOR SHALL PROVIDE SHEETING, TRENCH BOX OR SLOPED WALLS IN ACCORDANCE WITH APPLICABLE SAFETY REGULATIONS



3 FOUL POLE
N.T.S.

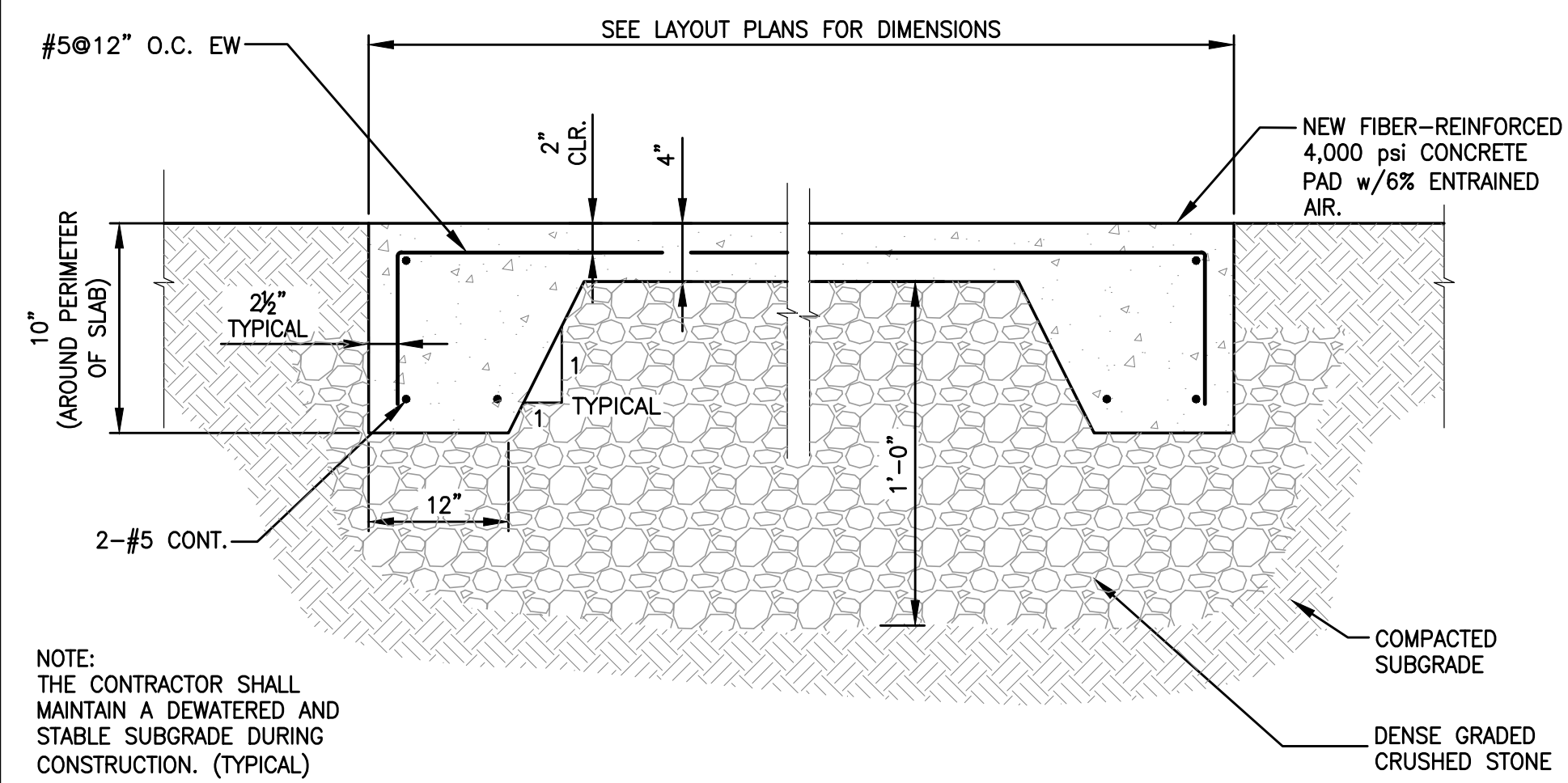


4 FLARED END SECTION & LEVEL SPREADER
N.T.S.



5 HANDICAP ACCESSIBLE RAMP
N.T.S.

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



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

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



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 WENHAM, MA 01984

1/22/2024 PEER REVIEW COMM. KFR

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PROJECT NO.	718600		
CADD FILE	718601_CS00		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	1/22/2024		
DRAWING SCALE	N.T.S.		

GRAPHIC SCALE

SHEET TITLE

GENERAL DETAILS
 SHEET 3 OF 3

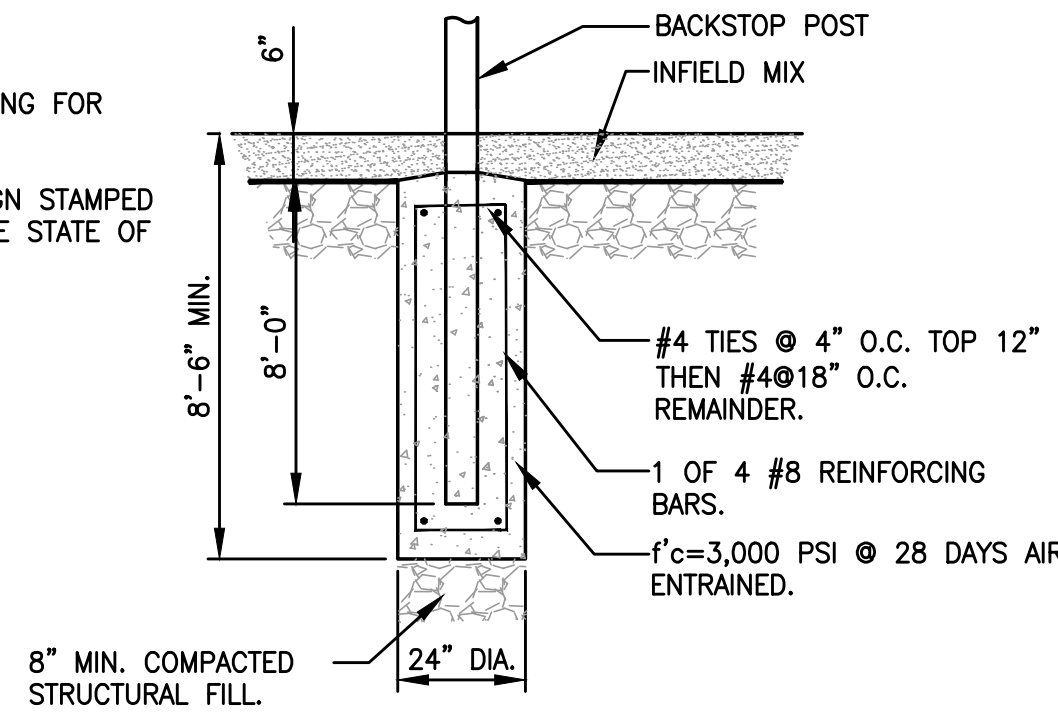
DRAWING NO.

C503

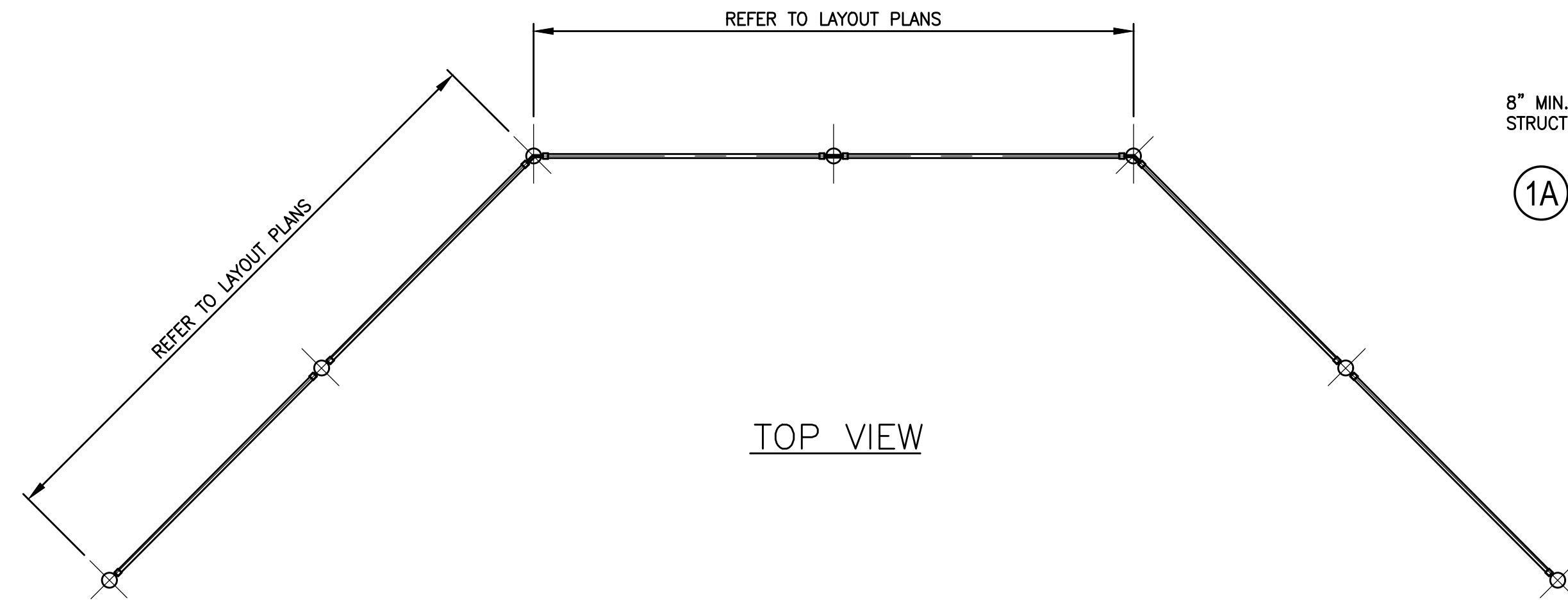
19 OF 33

BACKSTOP FOOTING NOTES:

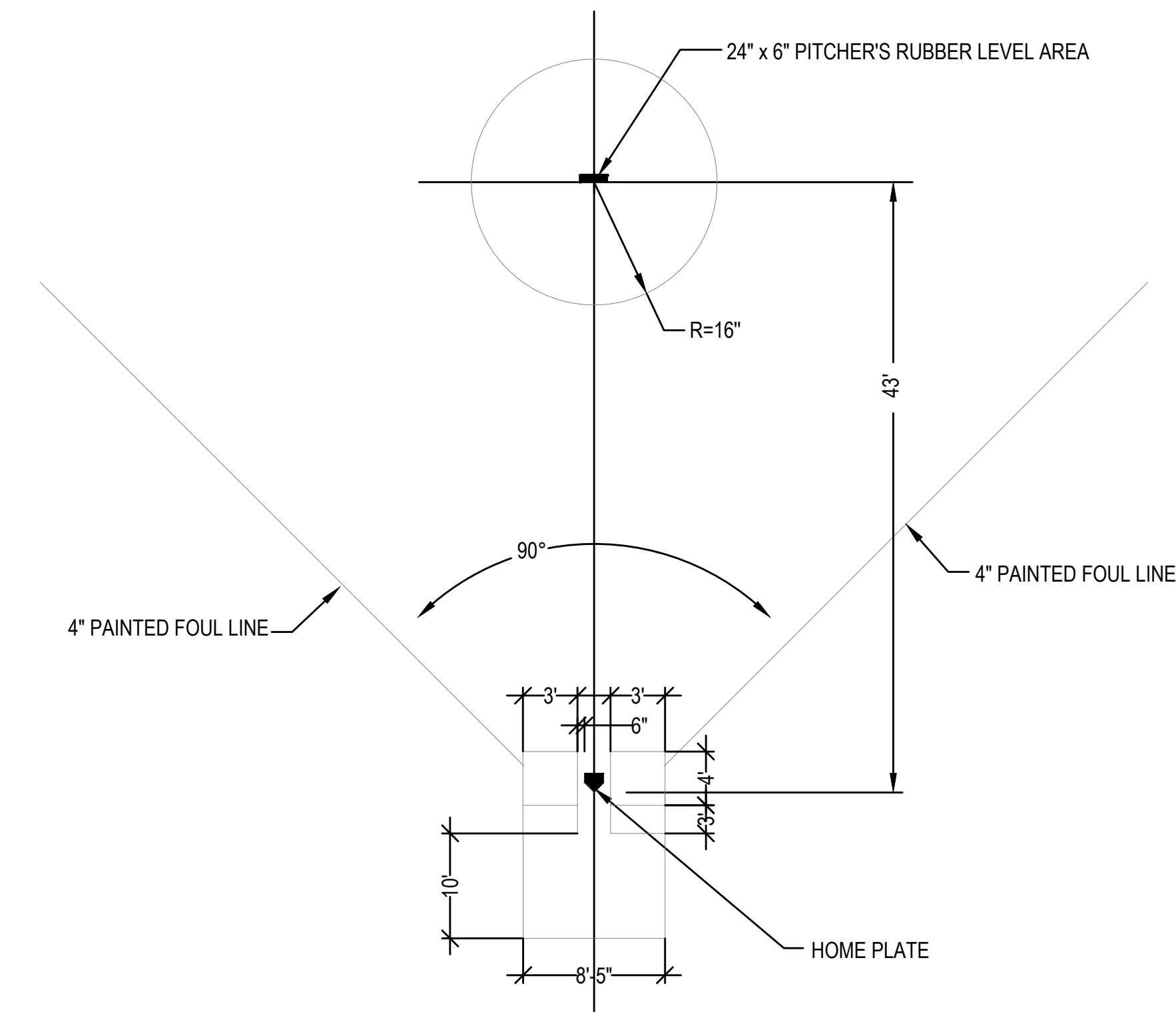
1. CONTRACTOR TO PROVIDE PERTINENT SOIL TESTING FOR USE IN FOUNDATION DESIGN, PER NOTE 2.
2. CONTRACTOR SHALL PROVIDE FOUNDATION DESIGN STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MASSACHUSETTS PRIOR TO INSTALLATION.



1A BACKSTOP FOOTING DETAIL
N.T.S.



TOP VIEW



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

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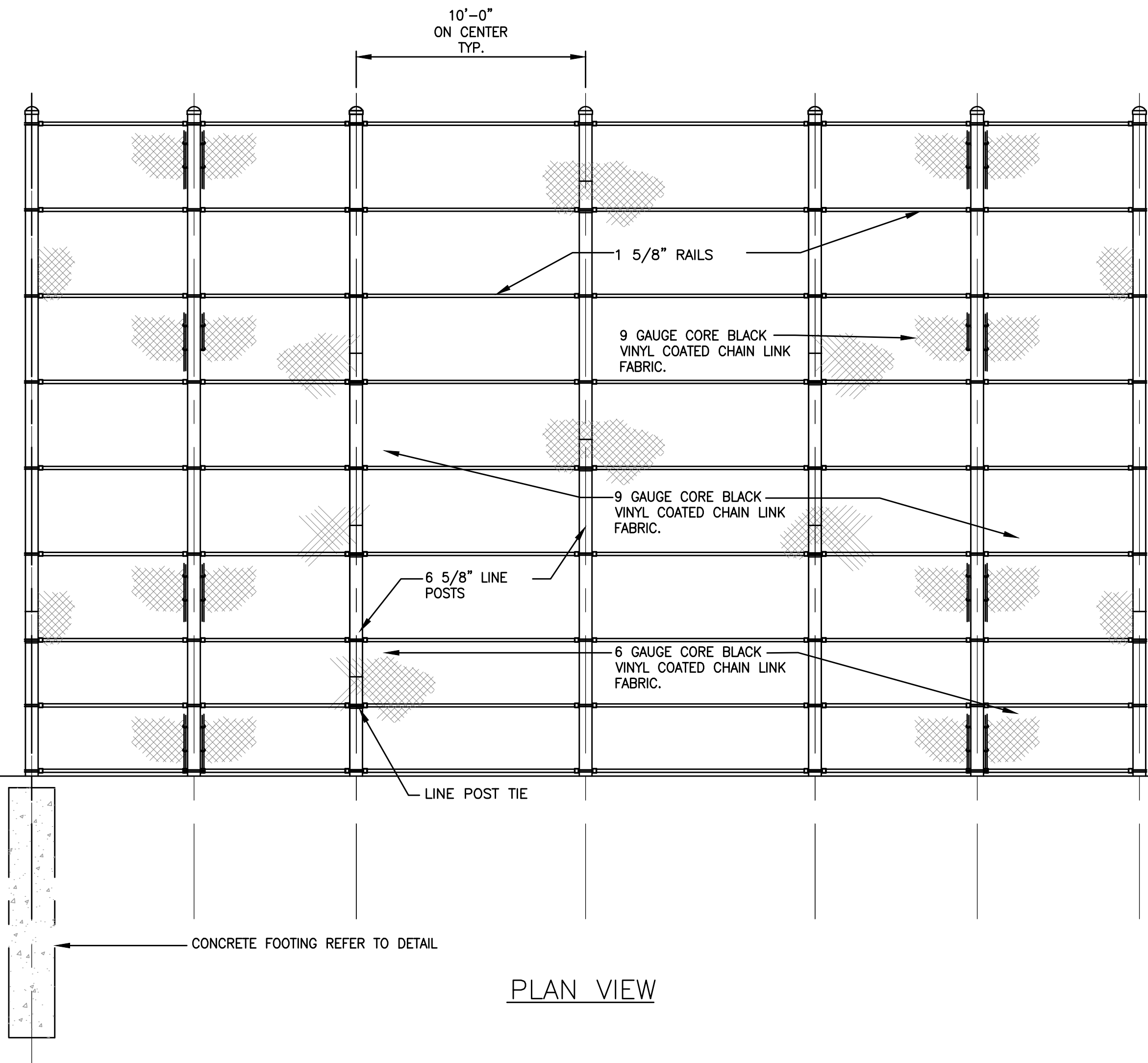
OWNER
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NO.	DATE	DESCRIPTION	BY
PROJECT NO.	718600		
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DESIGNED BY	MSK		
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DATE	1/22/2024		
DRAWING SCALE	N.T.S.		

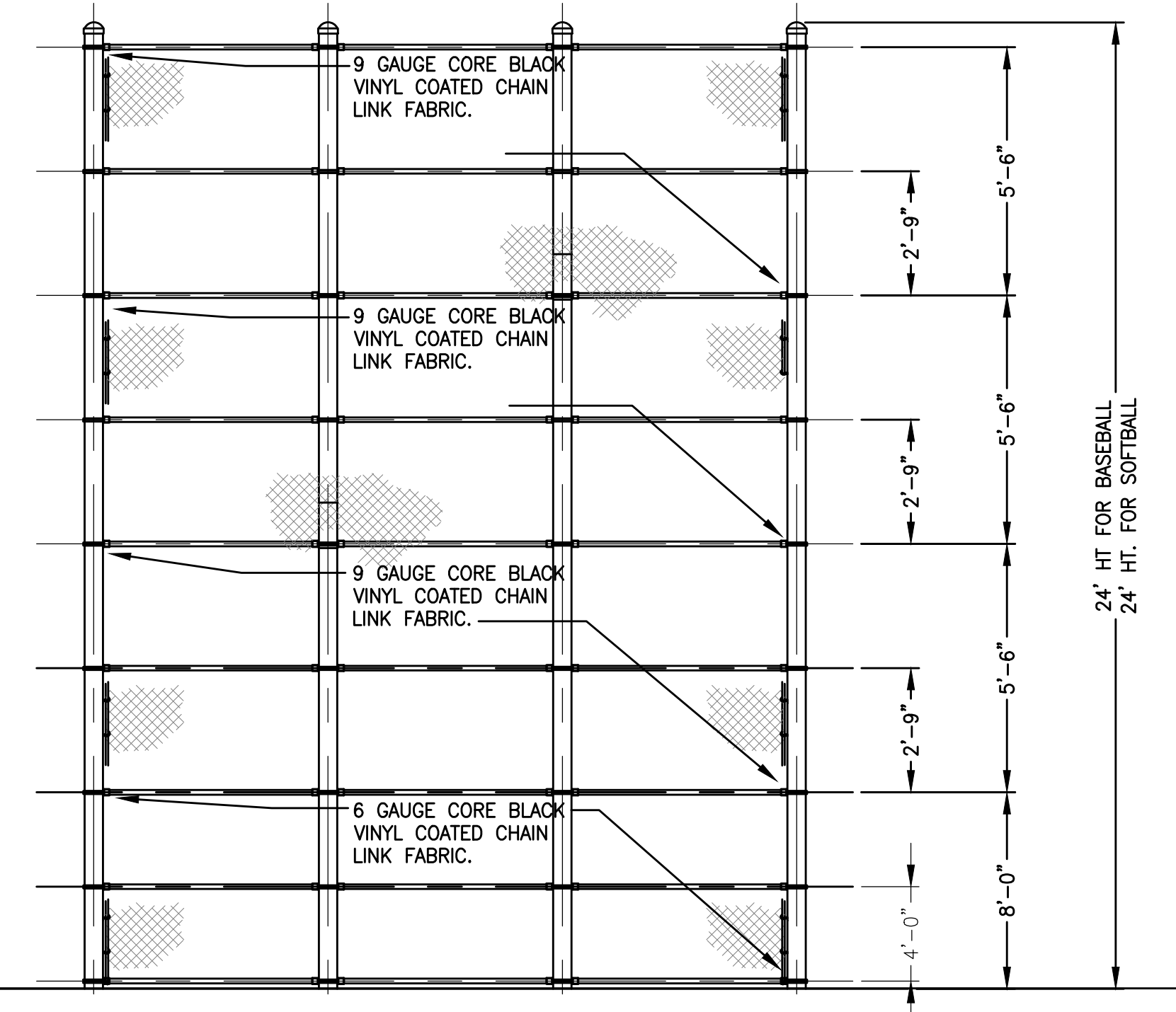
GRAPHIC SCALE

SHEET TITLE
SOFTBALL DETAILS
SHEET 2 OF 4

DRAWING NO.
C505
21 OF 33

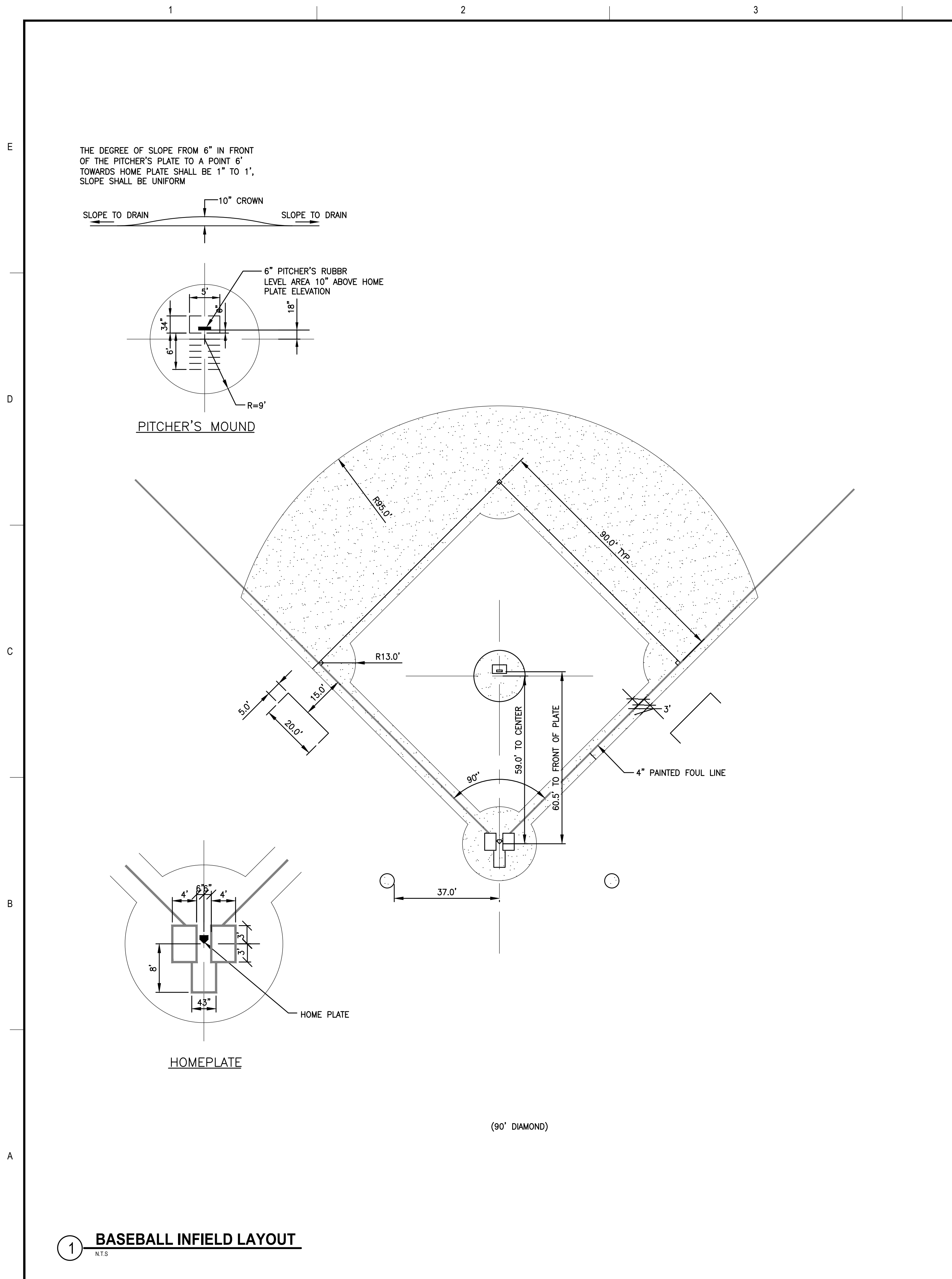


1 BACKSTOP DETAIL
N.T.S.

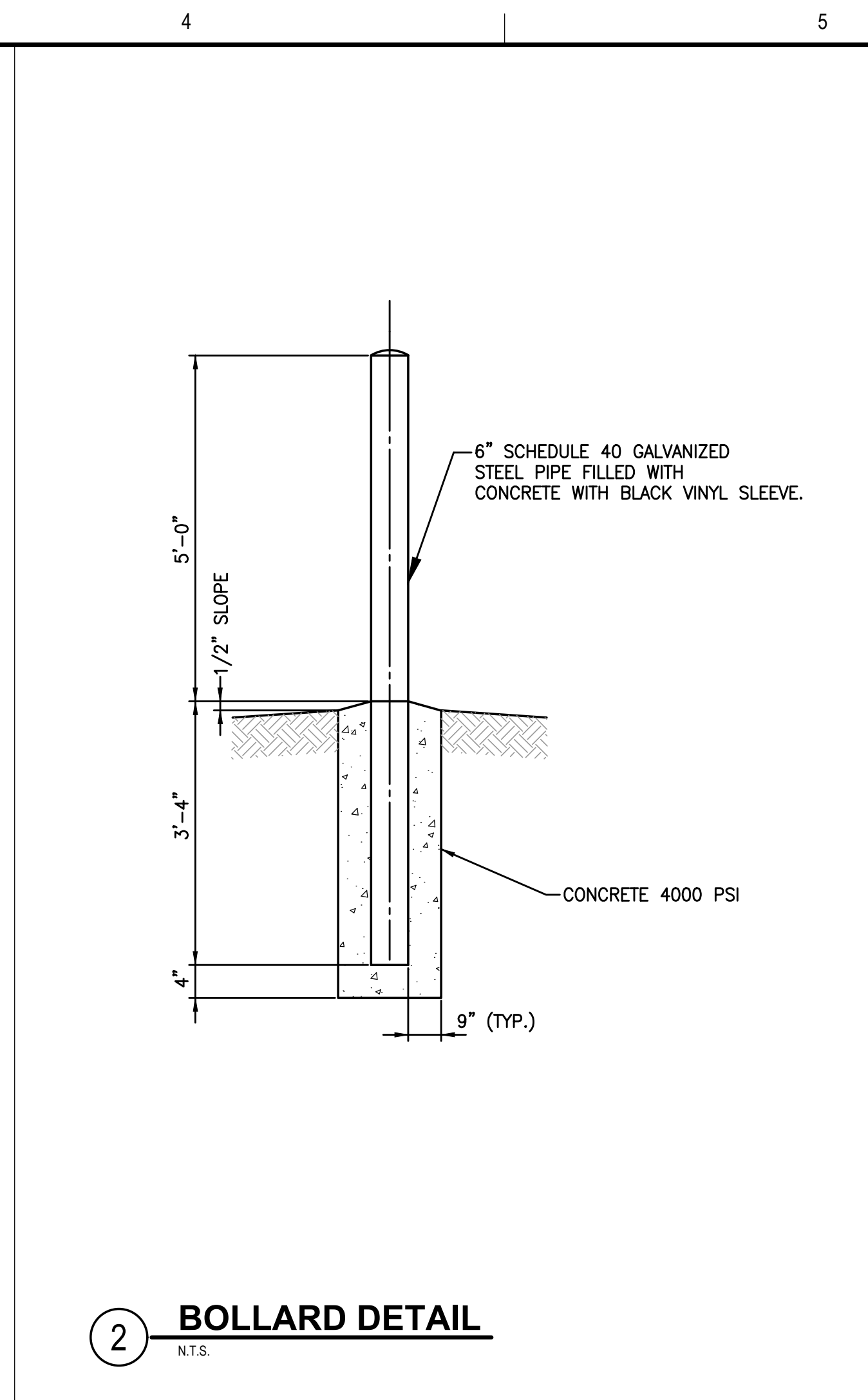


SIDE VIEW

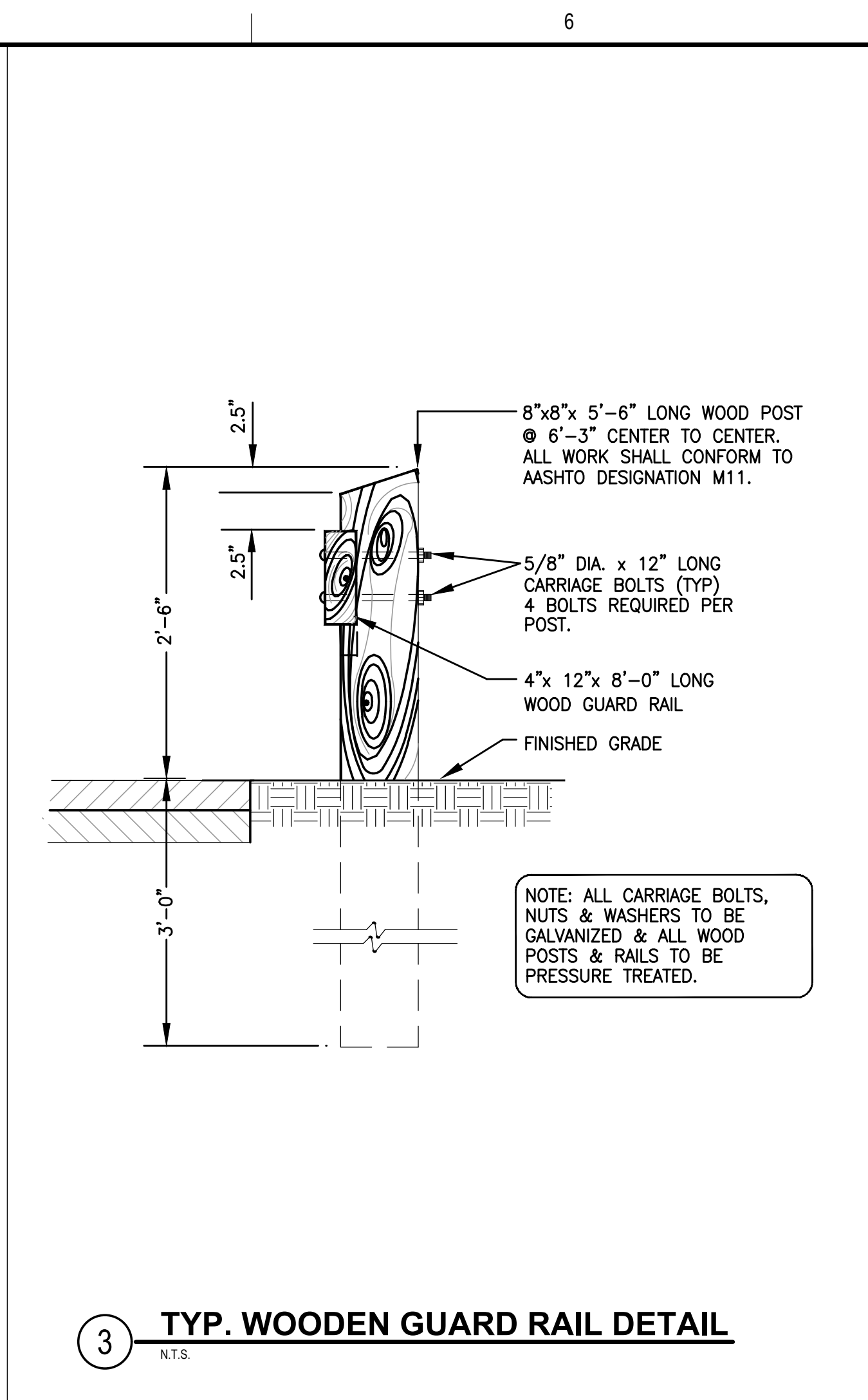
- NOTES:**
1. CONTRACTOR SHALL PROVIDE 6" FABRIC OVERLAP.
 2. ALL SPACING FOR WIRE TIES AND RAIL TIES SHALL BE PER SPECIFICATION SECTION 32 3113.
 3. ALL BACKSTOP FENCING POSTS, FABRIC, TIES AND NECESSARY MATERIALS SHALL BE BLACK VINYL COATED AS STATED IN SPECIFICATION SECTION 32 3113.
 4. ALL BACKSTOP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



1 BASEBALL INFIELD LAYOUT
N.T.S.



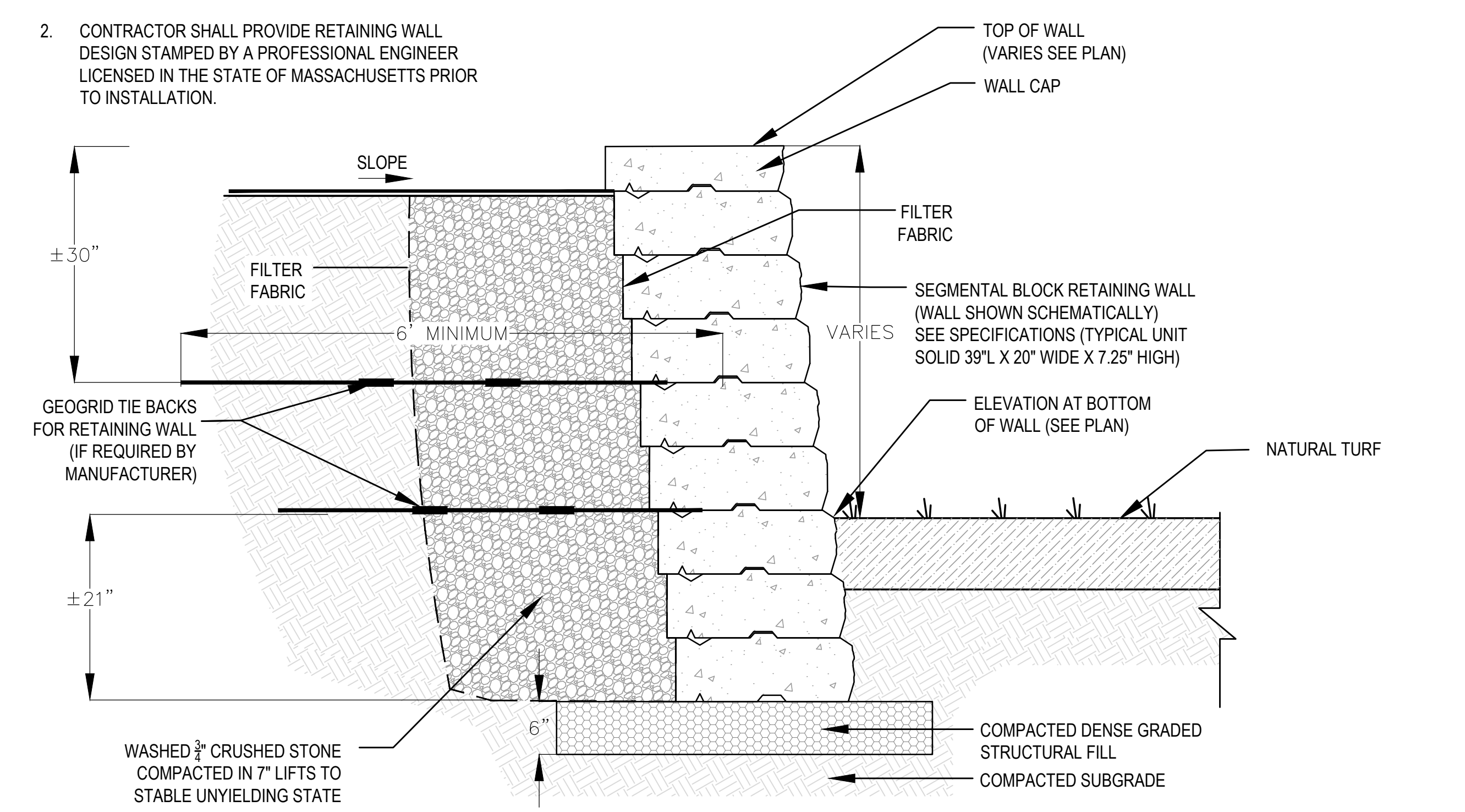
2 BOLLARD DETAIL
N.T.S.



3 TYP. WOODEN GUARD RAIL DETAIL
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.



4 SEGMENTAL BLOCK RETAINING WALL
N.T.S.

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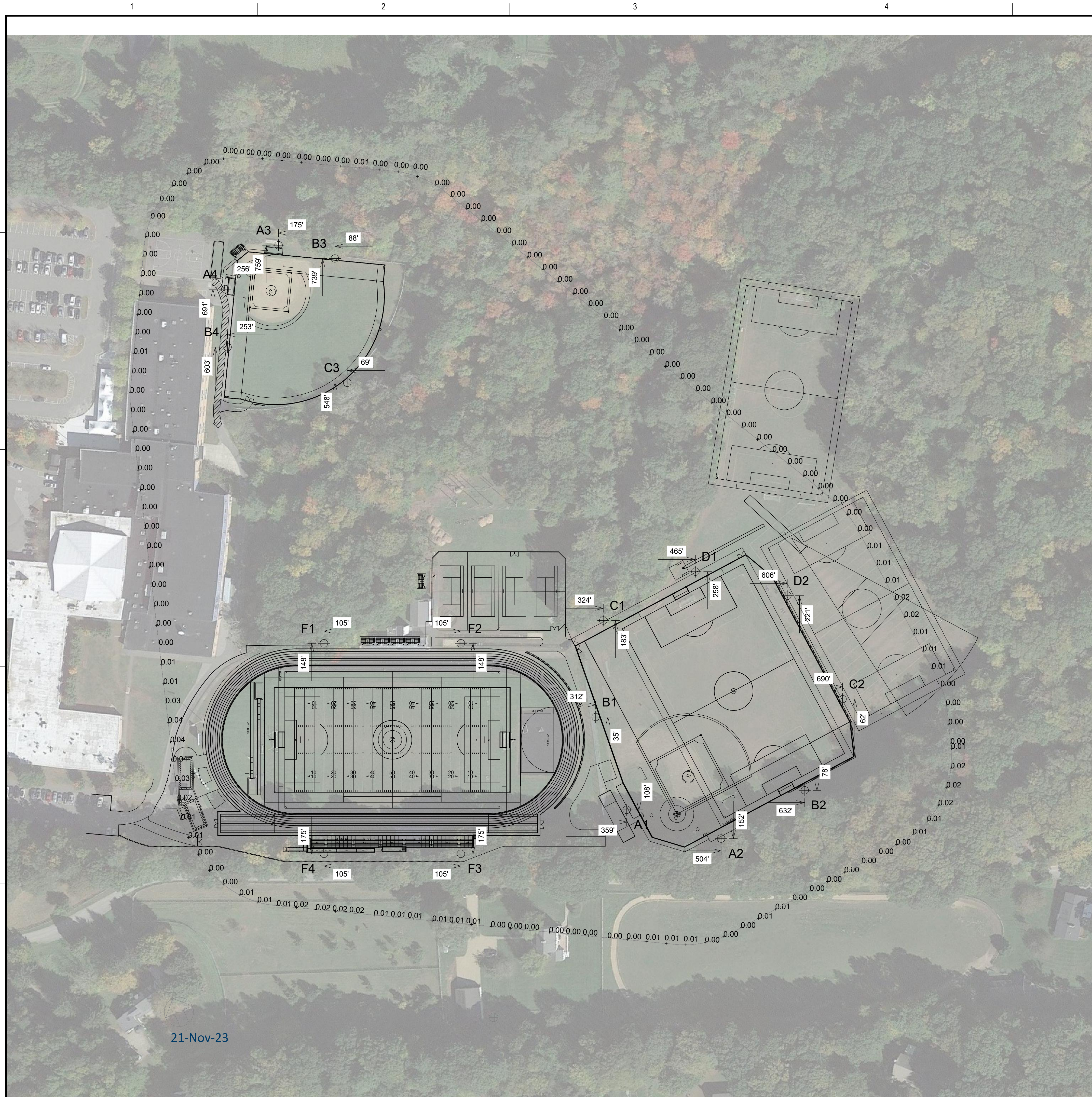
OWNER
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WENHAM, MA 01984**

1/22/2024	PEER REVIEW COMM.	KFR	
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DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	1/22/2024		
DRAWING SCALE	N.T.S.		

GRAPHIC SCALE

SHEET TITLE
**MAIN ATHLETIC CAMPUS DETAILS
SHEET 7 OF 11**

DRAWING NO.
C514
30 OF 33



Hamilton Wenham HS Softball

South Hamilton, MA

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

Illumination Summary	
MAINTAINED VERTICAL FOOTCANDLES: 90° TILT	
Entire Grid	
Scan Average 0.01	
Maximum 0	
Minimum 0	
Avg/Min -	
Max/Min -	
UG (adjacent pts) 0.00	
CU 0.00	
No. of Points 134	
LUMINAIRE INFORMATION	
Applied Circuits A,B,C,D	
No. of Luminaires 129	
Total Load 114.78 kW	



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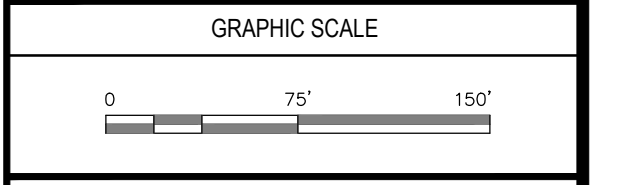
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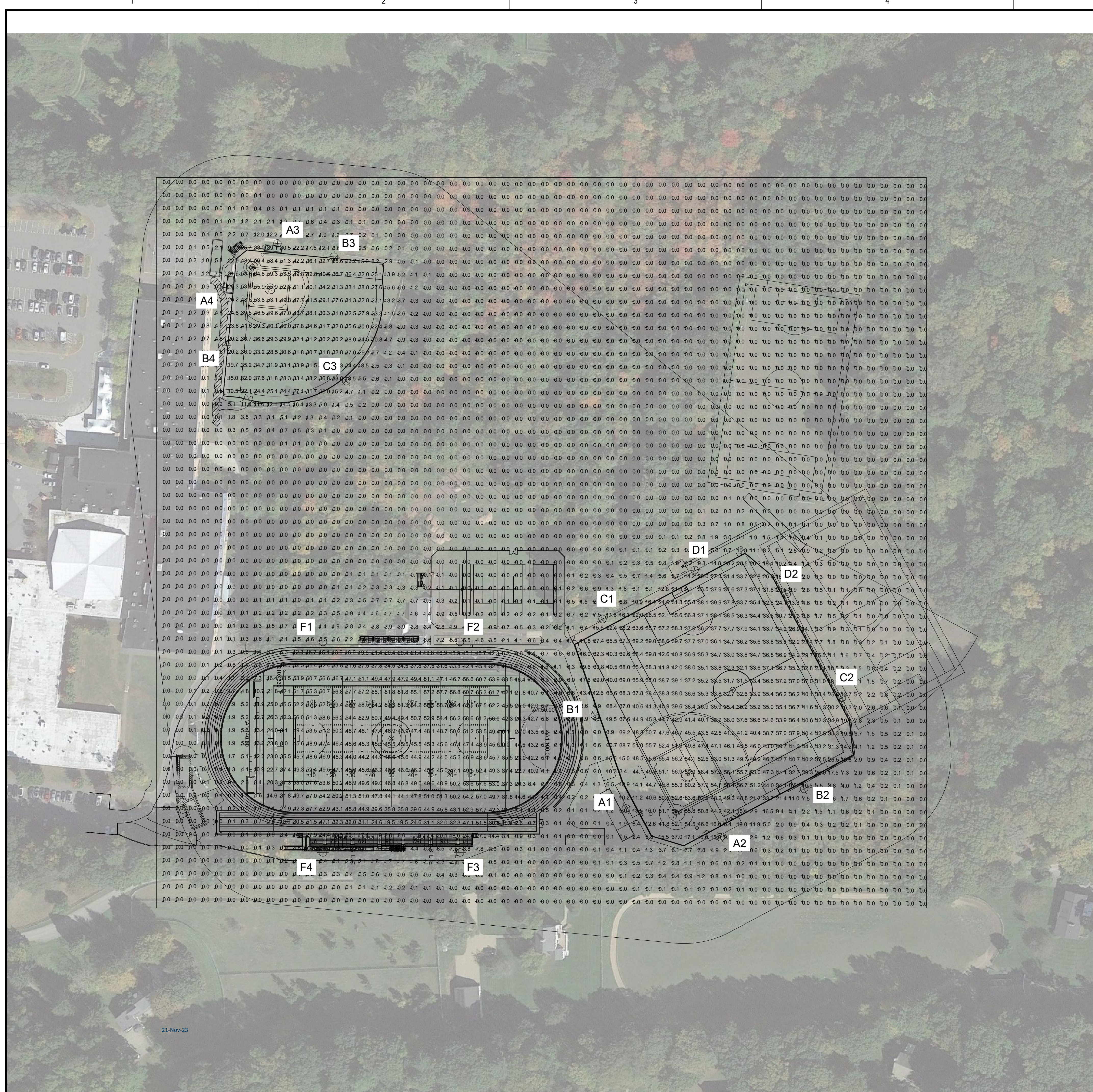
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CADD FILE	718600_IS1		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	1/22/2024		
DRAWING SCALE	1" = 75'		



SHEET TITLE

**ILLUMINATION
SUMMARY
(ZERO LINE)**

DRAWING NO.	IS1
1 OF 2	



Hamilton Wenham HS Softball
South Hamilton, MA

Grid Summary

Name	Zero Grid
Spacing	20.0' x 20.0'
Height	3.0' above grade

Illumination Summary

MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average	8.96
Maximum	68
Minimum	0
Avg/Min -	
Max/Min -	
UG (adjacent pts)	1319.19
CU	0.89
No. of Points	400
LUMINAIRE INFORMATION	
Applied Circuits	A,B,C,D
No. of Luminaires	129
Total Load	114.78 kW



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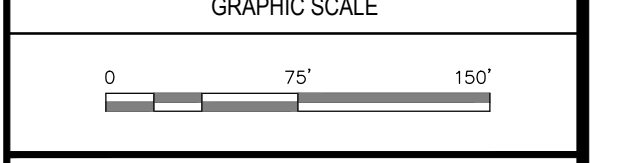
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CADD FILE	718600_IS1		
DESIGNED BY	MSK		
DRAWN BY	MSK		
CHECKED BY	KDH		
DATE	1/22/2024		
DRAWING SCALE	1" = 50'		



SHEET TITLE

ILLUMINATION SUMMARY (OVERALL)

DRAWING NO.	IS2
2 OF 2	