# BUTLER HIGH SCHOOL SYNTHETIC TURF AND TRACK RENOVATIONS

## MATTHEWS, NC

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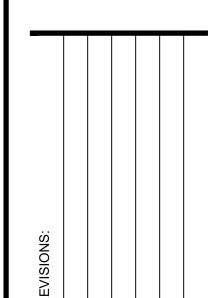


### VICINITY MAP (NOT TO SCALE)









DATE: 3-12-25

SHEET NAME:

COVER

SHEET NO:

CONTRACTOR SHALL NOTIFY "NORTH CAROLINA ONE CALL" (811) OR (1-800-632-4949) AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION

CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR

WN LOCATOR SERVICES INDEPENDENT OF "NORTH CAROLINA ONE CALL" PORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.

OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED.

Owner

Charlotte Mecklenburg Board of Education 4421 Stuart Andrew Boulevard Charlotte, NC 28217

Contact: Brandon Barnhill Email: brandon.1.barnhill@cms.k12.nc.us

## **Landscape Architect**

FitFields 314 Tom Hall Street Fort Mill, SC 29715 Contact: Dan Dodd, RLA Email: dan@fitfields.com

### Civil Engineer

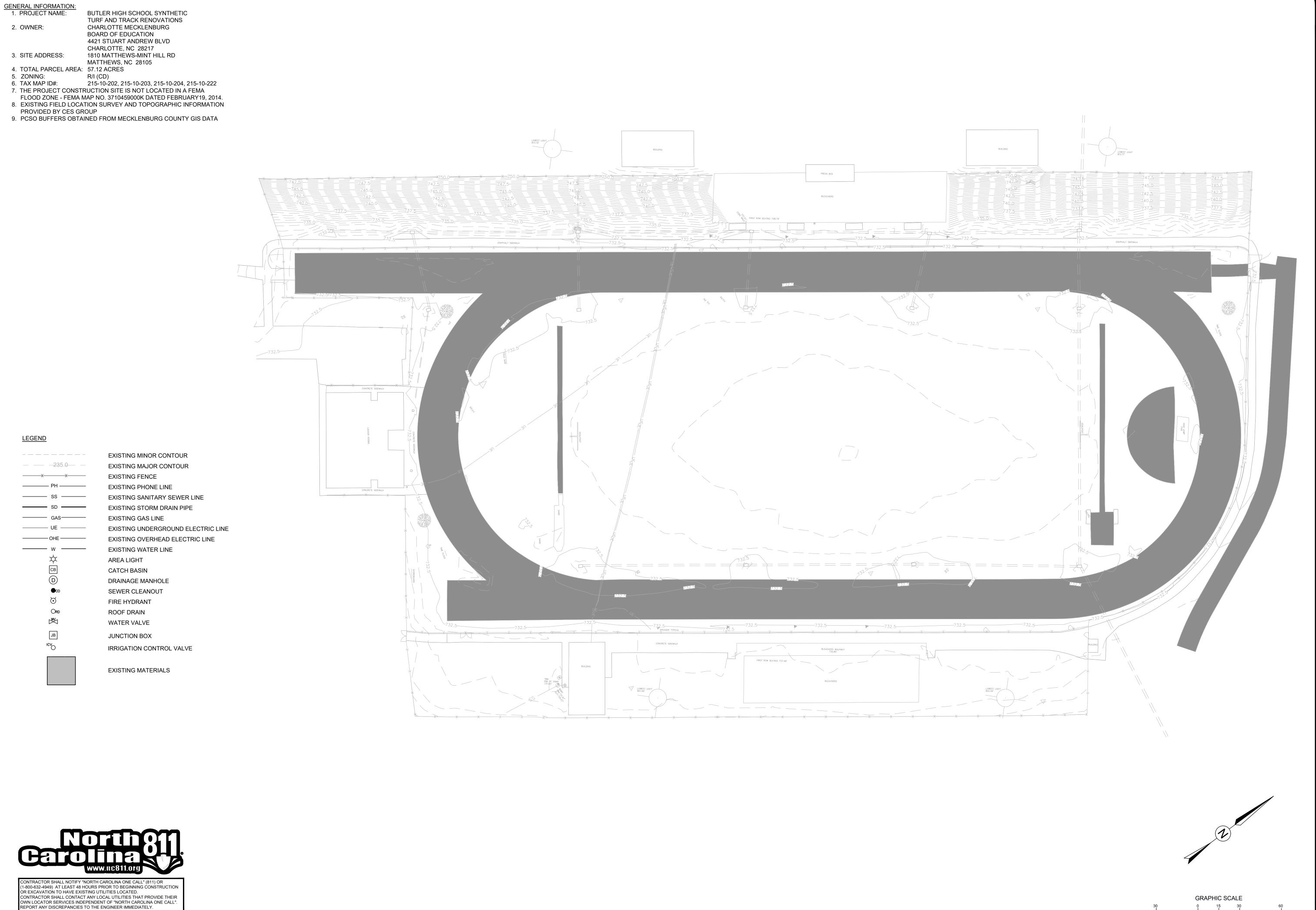
Matthew Roper, PE 3007 Hinsdale Street Charlotte, NC 28210 Contact: Matthew Roper, PE Email: matt@roperce.com



SCALE: 1" = 100'-0" DATE: 3-12-25

SHEET NAME:

BASE MAP



314 TOM HALL ST. FORT MILL, SC 803.981.4330 FITFIELDS.com







SCALE: 1" = 30'-0"

DATE: **3-12-25** SHEET NAME:

**EXISTING** CONDITIONS

SHEET NO:

1 inch = 30 ft.

BID SET - NOT FOR CONSTRUCTION

#### **DEMOLITION NOTES:**

- CONDITION EQUAL TO OR BETTER THAN THE EXISTING UNLESS OTHERWISE SPECIFICALLY EXEMPTED BY THESE PLANS.
- 2. DEMOLITION DEBRIS, EXCEPT AS OTHERWISE NOTED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ALL DEBRIS SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR IN A LEGAL LANDFILL IN A TIMELY MANNER. NO SALVAGE OR SALE OF DEMOLISHED MATERIALS ON SITE WILL BE ALLOWED WITHOUT PERMISSION FROM THE OWNER.
- 3. REMOVE WASTE MATERIALS AND UNSUITABLE AND EXCESS TOPSOIL FROM PROPERTY AND DISPOSE OF OFF-SITE IN A LEGAL MANNER. (PERMIT REQUIRED FOR OFF-SITE DISPOSAL)
- 4. LOCATE EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES IN AREAS OF WORK. IF UTILITIES ARE TO REMAIN IN PLACE, PROVIDE ADEQUATE MEANS OF SUPPORT AND PROTECTION DURING DEMOLITION OPERATION.
- 5. SHOULD UNCHARTED, OR INCORRECTLY CHARTED PIPING OR OTHER UTILITIES BE ENCOUNTERED DURING DEMOLITION, CONSULT
- LANDSCAPE ARCHITECT AND UTILITY OWNER FOR IMMEDIATE ACTION. 6. DEMOLISH AND COMPLETELY REMOVE FROM SITE MATERIAL
- INDICATED ON PLAN OR NOTED "TO BE REMOVED". 7. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS CREATED BY THE DEMOLITION OPERATION.
- 8. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO EXISTING CONDITIONS OR BETTER.
- 9. CONTRACTOR SHALL MAINTAIN POSITIVE STORM DRAINAGE DURING CONSTRUCTION TO INSURE NO DAMAGE TO ADJACENT PROPERTIES OCCURS DURING STORM EVENTS.
- 10. CONTRACTOR SHALL COORDINATE STORM DEMOLITION WITH STORM DRAIN IMPROVEMENTS TO MAINTAIN POSITIVE DRAINAGE.
- 11. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES.
- 12. ALL DEMOLITION AND CONSTRUCTION SHALL COMPLY WITH APPLICABLE BUILDING CODES AND LOCAL RESTRICTIONS. THE CONTRACTOR MUST COMPLY WITH ALL OF THE CONTRACTOR REGISTRATION REQUIREMENTS OF ALL GOVERNING AUTHORITIES.
- 13.PRIOR TO THE COMMENCEMENT OF DEMOLITION, THE CONTRACTOR SHALL COORDINATE HIS ACTIVITIES WITH ALL UTILITY COMPANIES SERVING THIS AREA. THE CONTRACTOR IS TO COORDINATE FULLY WITH THE UTILITY COMPANIES ON THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO DEMOLITION, CONSTRUCTION, AND EXCAVATION.
- 14. ALL PROPOSED PAVEMENT CUTS SHALL BE SAW CUT ONLY. 15. CONTRACTOR SHALL PROVIDE A MINIMUM OF 72 HOURS ADVANCE
- NOTICE TO THE OWNER PRIOR TO STARTING DEMOLITION ACTIVITIES. 16. CONTRACTOR SHALL VERIFY AND PROTECT ALL PUBLIC UTILITIES. ANY WORK ASSOCIATED WITH SAID UTILITIES TO BE COORDINATED WITH APPROPRIATE UTILITY COMPANY. DEMOLITION OF UTILITIES WHICH ARE ACTIVE SHALL BE SEQUENCED TO ALLOW FOR INSTALLATION OF NEW OR REROUTED LINES, PRIOR TO REMOVAL OF
- 17. THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE OWNER AND LANDSCAPE ARCHITECT ANY DISCREPANCIES FOUND BETWEEN ACTUAL FIELD CONDITIONS AND CONSTRUCTION DOCUMENTS AND SHALL WAIT FOR INSTRUCTIONS PRIOR TO PROCEEDING.
- 18. PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR IS RESPONSIBLE TO VERIFY THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED FROM ALL REGULATORY AUTHORITIES AND SHALL BE THOROUGHLY FAMILIAR WITH CONDITIONS OF SAID PERMITS AND INSPECTION REQUIREMENTS.
- 19. THE CONTRACTOR SHALL CONTACT ALL OWNERS OF EASEMENTS, UTILITIES AND RIGHT-OF-WAYS, PUBLIC OR PRIVATE, PRIOR TO WORKING IN THESE AREAS.
- 20.THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING ITEM AND/OR MATERIAL INSIDE OR OUTSIDE THE CONSTRUCTION LIMITS.
- 21.CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC ARE PROTECTED FROM INJURY.
- 22.LANDSCAPE ARCHITECT SHALL NOT BE IN CONTROL OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR ACTUAL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, OR SAFETY PRECAUTIONS IN CONNECTION WITH THE WORK, OR FOR THE ACTS OR OMISSIONS OF CONTRACTORS OR ANY OTHER PERSONS NOT UNDER THE EMPLOYMENT OF LANDSCAPE ARCHITECT.
- 23.SHOULD THE CONTRACTOR ENCOUNTER ANY ADDITIONAL ITEMS THAT MAY REQUIRE DEMOLITION (FENCES, GUARD RAIL, ETC.) - THE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT FOR FURTHER DIRECTION.

### LEGEND

EXISTING TRACK SURFACE TO BE REMOVED. EXISTING BASE CAN BE REUSED WHERE APPLICABLE.

EXISTING CONCRETE CURB TO BE REMOVED.

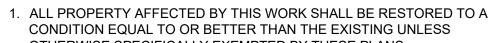
EXISTING STRUCTURE TO BE REMOVED.

EXISTING FENCE AND GATES TO BE REMOVED.

EXISTING DRAINAGE TO BE REMOVED.



ONTRACTOR SHALL NOTIFY "NORTH CAROLINA ONE CALL" (811) OR 1-800-632-4949) AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NORTH CAROLINA ONE CALL" PORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.



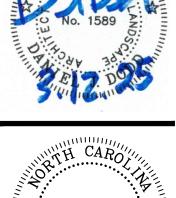


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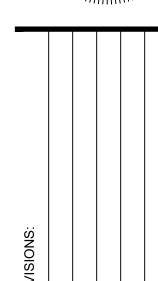
FORT MILL, SC

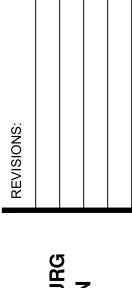
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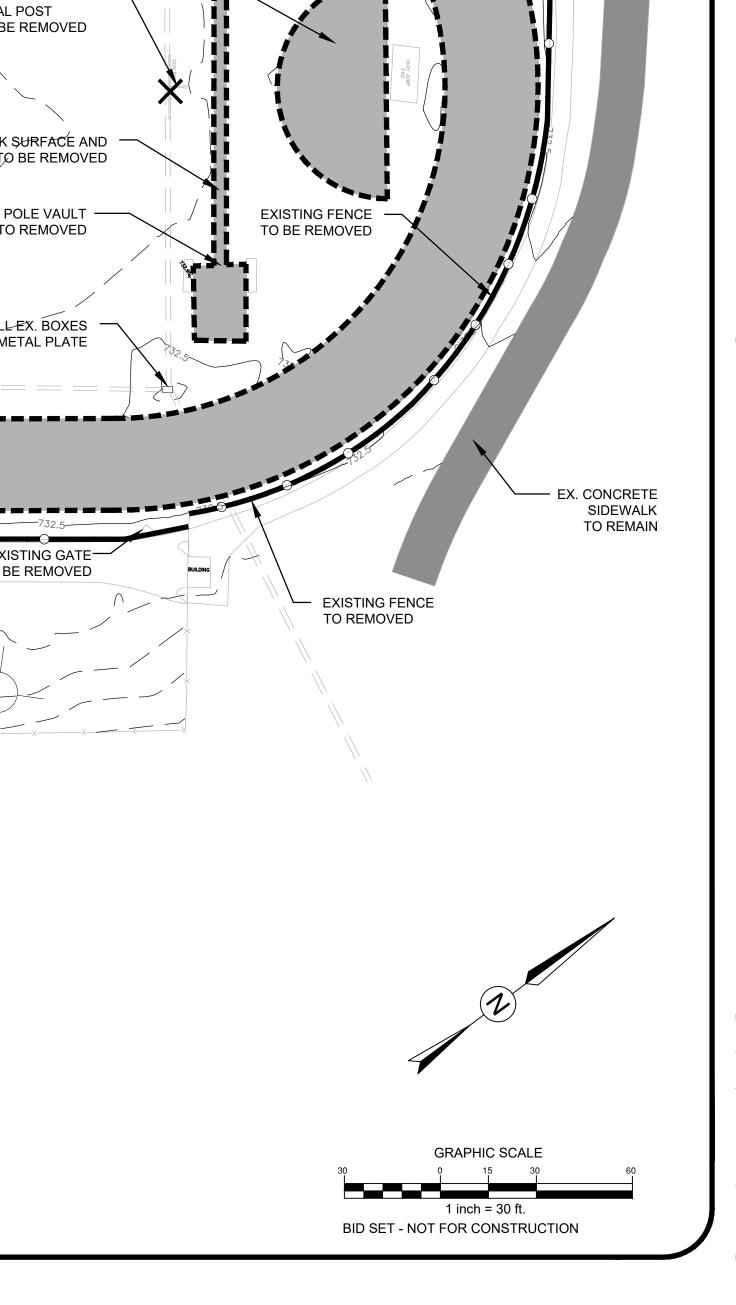




SCALE: 1" = 30'-0" DATE: 3-12-25

SHEET NAME: **DEMOLITION PLAN** 

SHEET NO:

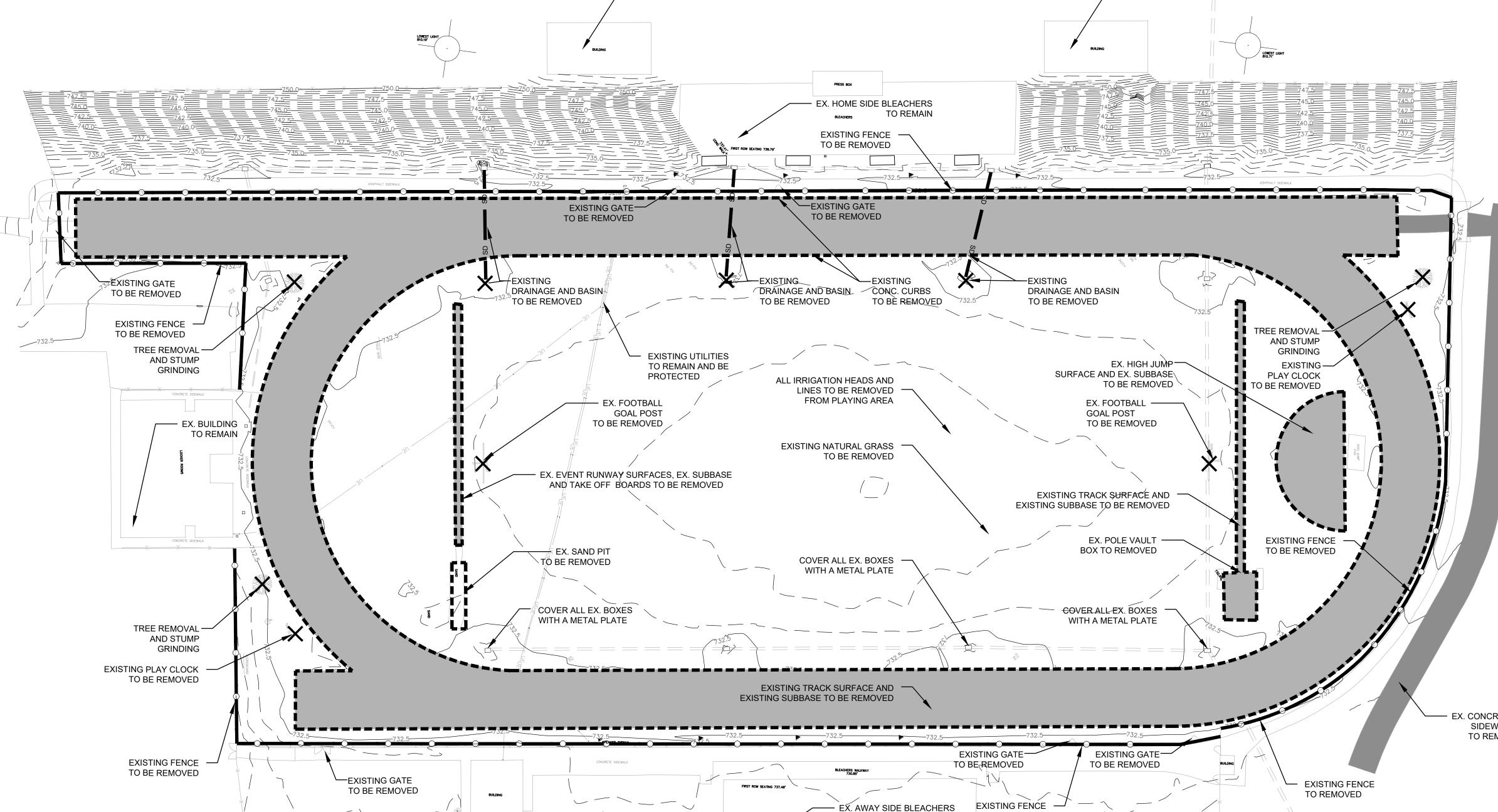


— EX. BUILDING

TO BE REMOVED

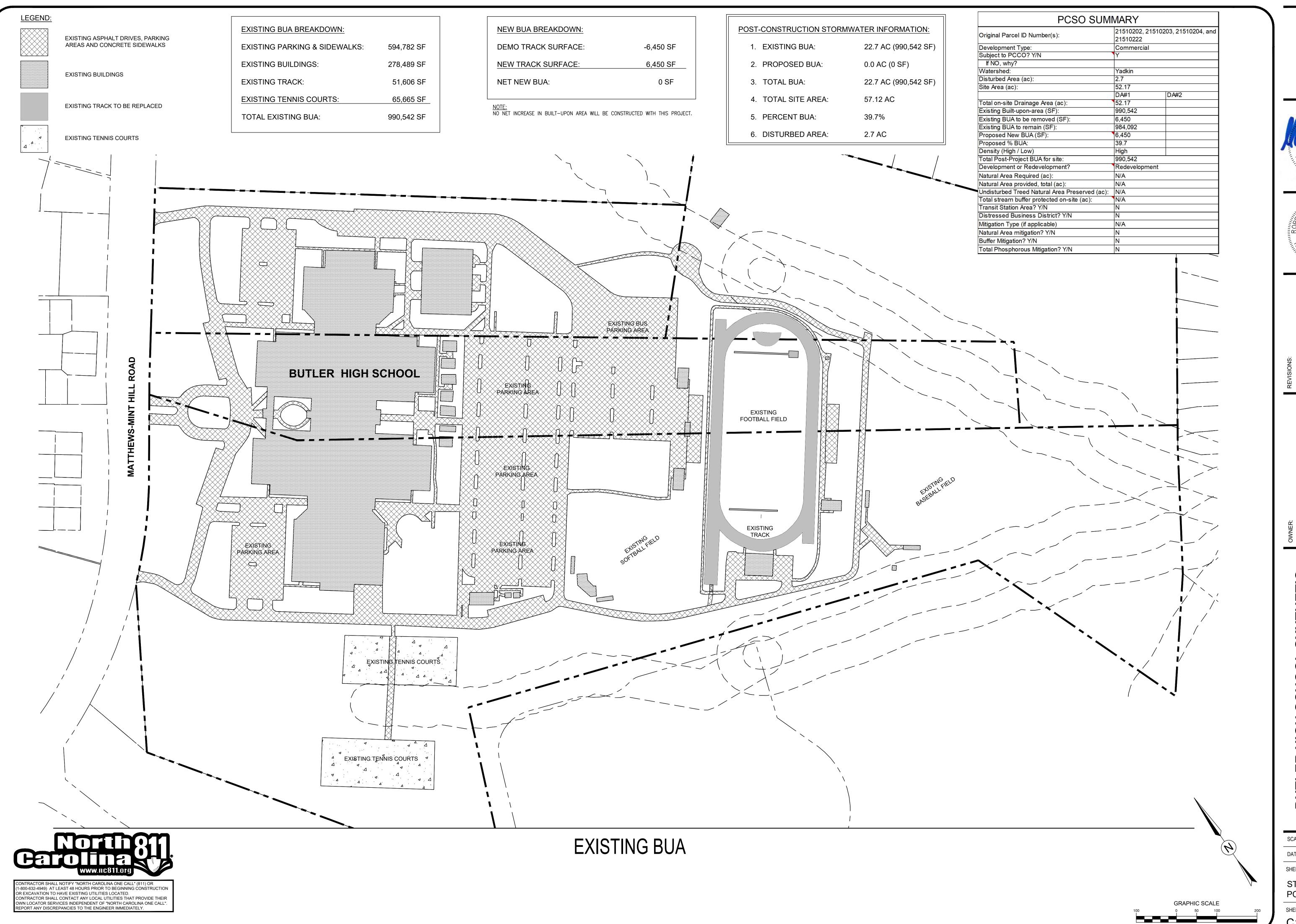
TO REMAIN

TO REMAIN



— EX. BUILDING

TO REMAIN





CORPORATE SEAL P-1266

SCALE: 1" = 100'-0" DATE: 3-12-25

SHEET NAME: STORMWATER PCSO PLAN

#### **EROSION CONTROL NOTES:**

- 1. THIS EROSION CONTROL PLAN SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE STANDARDS OF THE TOWN OF MATTHEWS, MECKLENBURG COUNTY, AND/OR NCDEQ AS APPLICABLE. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NC EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, U.S. DEPARTMENT OF AGRICULTURE, MECKLENBURG COUNTY EROSION CONTROL ORDINANCE, AND THE LAND DEVELOPMENT STANDARDS MANUAL.
- 2. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY THE INSPECTOR.
- SILT FENCE NOTES:
- A. HIGH HAZARD SILT FENCE SHALL BE USED AT ALL LOCATIONS WHERE CONSTRUCTION
- ACTIVITIES ARE WITHIN 30' OF THE TOP OF CREEK BANKS OR EXISTING PONDS. B. REGULAR SILT FENCE SHALL BE USED AT ALL OTHER LOCATIONS, EXCEPT AS DIRECTED BY THE INSPECTOR. AS A RULE, SILT FENCE SHALL BE PROVIDED AT THE DOWN-GRADE PERIMETER OF DISTURBED AREAS. THE FINAL LOCATION OF SILT FENCE MAY BE FIELD ADJUSTED AS REQUIRED PER SITE CONDITIONS, AND/OR AS DIRECTED BY THE INSPECTOR.
- C. SILT FENCE OUTLETS SHALL BE PLACED AT NATURAL LOW POINTS.
- 4. IN AREAS WHERE SILT FENCE IS NOT REQUIRED, BUT THE CONTRACTOR DESIRES TO RESTRICT ACCESS, ORANGE TREE PROTECTION/BARRIER FENCE MAY BE UTILIZED.
- 5. A TEMPORARY CONSTRUCTION ENTRANCE WILL BE CONSTRUCTED ADJACENT TO THE TRACK CHUTE AREA TO MINIMIZE TRACKING OF SEDIMENT ONTO THE PARKING AREAS AND
- ROCK CHECK DAMS OR WATTLES SHALL BE PLACED AT LOW POINTS IN NATURAL DRAINAGE PATTERNS TO CONTROL VELOCITY AND MINIMIZE THE LOSS OF SEDIMENT.
- 7. FOR ANY AREAS WHERE MATERIAL SUBJECT TO EROSION IS BEING STOCKPILED (TOPSOIL STRIPPINGS, ETC), TEMPORARY EROSION CONTROL MEASURES MAY BE NECESSARY AT THE STOCKPILE PERIMETER IN ORDER TO MINIMIZE THE SEDIMENT LOSS.
- 8. STABILIZATION IS THE BEST FORM OF EROSION CONTROL. TEMPORARY SEEDING IS NECESSARY TO ACHIEVE EROSION CONTROL ON LARGE DENUDED AREAS AND ESPECIALLY WHEN SPECIFICALLY REQUIRED AS PART OF THE CONSTRUCTION SEQUENCE. ALL SLOPES MUST BE SEEDED AND MULCHED WITHIN 7 DAYS. REFER TO EROSION CONTROL ORDINANCE FOR ADDITIONAL REQUIREMENTS.
- 9. ALL EROSION CONTROL DEVICES SHALL BE INSPECTED AT LEAST ONCE PER WEEK AND AFTER EACH STORM EVENT OF 0.5" OR MORE. IF ANY FAILURES ARE FOUND THEY SHOULD BE REPAIRED AS SOON AS POSSIBLE.
- 10. EFFECTIVE OCTOBER 1, 2010, PERSONS RESPONSIBLE FOR LAND DISTURBING ACTIVITIES MUST INSPECT A PROJECT AFTER EACH PHASE OF THE PROJECT TO MAKE SURE THAT THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN IS BEING FOLLOWED. SELF- INSPECTION REPORTS ARE REQUIRED. A SAMPLE SELF INSPECTION, AS WELL AS DETAILS OF THE SELF-INSPECTION PROGRAM, CAN BE FOUND ON THE NCDEQ
- 11. ANY SEDIMENT OR MATERIAL TRACKED ONTO THE ADJACENT STREETS SHALL BE SWEPT AND REMOVED IMMEDIATELY.
- 12. ALL DISTURBED AREAS WILL BE PROVIDED WITH PERMANENT GROUNDCOVER.

#### **CHARMECK EROSION CONTROL NOTES:**

- ANY GRADING BEYOND THE DENUDED LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE TOWN/COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
- GRADING MORE THAN ONE-ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF THE TOWN/COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A
- ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE TOWN/COUNTY ENGINEERING DEPARTMENT.
- APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNERS.

#### MAINTENANCE SCHEDULE:

- 1) ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY STORM EVENT, BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY REPAIRS OR CLEANING NECESSARY TO MAINTAIN EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE COMPLETED IMMEDIATELY.
- 2) ALL SEEDED AREAS SHALL BE REFERTILIZED, RESEEDED AS NECESSARY, AND MULCHED ACCORDING TO THE SEEDING SCHEDULE.

#### **UTILITY NOTES:**

1) ALL EXISTING UTILITIES TO BE ABANDONED SHOULD BE GROUTED; ADDITIONALLY ALL ABANDONED PIPES SHOULD BE CHECKED WITH FOOTING DEPTHS AND PROPOSED UTILITIES, AND REMOVED IF CONFLICT OCCURS.

#### CONSTRUCTION SEQUENCE (PHASE 1)

- OBTAIN GRADING/EROSION CONTROL PLAN APPROVAL FROM NCDEQ DEMLR , MECKLENBURG COUNTY LUESA, AND ALL OTHER NECESSARY PERMITS FROM OTHER APPLICABLE AGENCIES.
- 2. AFTER APPROVAL FROM MECKLENBURG COUNTY LUESA, FILE THE ELECTRIC NOTICE OF INTENT (ENOI) ONLINE TO OBTAIN AN EROSION AND SEDIMENT CONTROL (E&SC) PERMIT AND A CERTIFICATE OF COVERAGE (COC) FROM NCDEQ BEFORE ANY LAND DISTURBING
- 3. AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION, CONTACT THE DEMLR SECTION IN THE MOORESVILLE REGIONAL DEQ OFFICE AT (704)663-1699, MECKLENBURG COUNTY INSPECTORS, AND THE ENGINEER. MEET WITH DEMLR REPRESENTATIVES AND THE ENGINEER ON-SITE AT THEIR REQUEST FOR A PRE-CONSTRUCTION MEETING.
- 4. PER NPDES REQUIREMENTS, A RAIN GAUGE, SELF-INSPECTIONS RECORDS, PERMIT, CERTIFICATE OF COVERAGE, AND SEDIMENT AND EROSION CONTROL PLAN ARE REQUIRED TO BE MAINTAINED ON SITE AND ACCESSIBLE DURING INSPECTION. IT IS RECOMMENDED THAT THESE ITEMS BE PLACED IN A PERMITS BOX AT THE BEGINNING OR
- 5. INSTALL EROSION CONTROL MEASURES PER THE APPROVED PLAN OR AS DIRECTED BY
- 6. CALL FOR ON-SITE INSPECTION OF INSTALLED MEASURES BY THE INSPECTOR. AFTER APPROVAL BY THE INSPECTOR, CONSTRUCTION MAY BEGIN.
- 7. SELF-INSPECTIONS FOR EROSION AND SEDIMENTATION CONTROL MEASURES ARE TO BE PERFORMED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF EVERY RAIN EVENT OF GREATER THAN 1-INCH. ANY NEEDED REPAIRS SHALL BE MADE IMMEDIATELY TO MAINTAIN MEASURES AS DESIGNED. ALL E&SC MEASURES SHALL BE MAINTAINED AS SPECIFIED IN THE CONSTRUCTION DETAILS ON THIS PLAN. A RAIN GAUGE SHALL BE INSTALLED AT THE PROJECT SITE FOR MONITORING.
- 8. DEMOLISH AND REMOVE THE EXISTING TRACK SURFACE AND SUBGRADE, EXISTING TRACK FEATURES (LONG JUMP. HIGH JUMP. ETC). EXISTING STORM PIPE AND STRUCTURES, AND ANY OTHER ITEMS SHOWN ON THE DEMO PLAN. STRIP AND REMOVE EXISTING GRASS, ROOT MAT, AND TOPSOIL FROM LAWN AREAS OF THE SITE. THIS MATERIAL SHALL BE STORED IN THE APPROVED STOCKPILE LOCATION. ANY MATERIAL REMOVED FROM THE SITE SHALL BE DISPOSED OF IN AN NCDEQ PERMITTED EROSION CONTROL SITE.
- 9. EXCAVATE TO THE PROPOSED SUBGRADE ELEVATION IN THE LIMITS OF THE PROPOSED TRACK REPLACEMENT.
- 10. STRIP AND REMOVE EXISTING GRASS, ROOT MAT, AND TOPSOIL FROM AREAS OF THE PROPOSED SYNTHETIC TURF. THIS MATERIAL SHALL BE STORED IN THE APPROVED STOCKPILE LOCATION.
- 11. EXCAVATE TO THE PROPOSED SUBGRADE ELEVATION IN THE LIMITS OF THE PROPOSED SYNTHETIC TURF FIELD.
- 12. SILT BAGS SHALL BE UTILIZED AS NECESSARY IN THE AREAS SHOWN ON THE PLAN AND SHALL BE CONTINUOUSLY MONITORED DURING OPERATION.
- 13. PRIOR TO PLACEMENT / COMPACTION OF ANY BACK FILL WITHIN THESE AREAS, THE ON-SITE GEOTECHNICAL ENGINEER SHALL INSPECT THE SUB-GRADE. IF THE CONTRACTOR CONSTRUCTS AND COVERS UP THESE AREAS PRIOR TO INSPECTION, THEN THE SUB-GRADE SHALL BE UNCOVERED AND TESTED AT THE CONTRACTOR'S EXPENSE. NO BACKFILL MATERIAL SHALL BE PLACED FOR THE TRACK AREA UNTIL APPROVAL IS OBTAINED FROM THE ON-SITE GEOTECHNICAL ENGINEER.
- 14. REMOVE THE EXISTING DRAINAGE PIPE IN THE VICINITY OF THE TRACK REPLACEMENT AS SHOWN ON THE DEMOLITION AND DRAINAGE PLAN.
- 15. ONCE THE DRAINAGE HAS BEEN REMOVED, PROCEED TO PHASE 2 OF THE EROSION CONTROL PLANS.

- THE PURPOSE OF THIS PLAN IS TO DEFINE THE EROSION CONTROL REQUIREMENTS RELATED TO THE TRACK REPLACEMENT AND SYNTHETIC TURF FIELD RENOVATION AT BUTLER HIGH SCHOOL.
- 1. SITE BOUNDARIES, BUILT-UPON AREA, AND PCSO BUFFERS FOR THE HIGH SCHOOL CAMPUS AREA OBTAINED FROM MECKLENBURG COUNTY GIS DATA. FIELD LOCATION SURVEYS HAVE BEEN PERFORMED OF THE TRACK AND FIELD PROJECT AREAS ONLY
- 2. DUE TO A LAND DISTURBANCE OF GREATER THAN ONE-ACRE, THIS PROJECT IS SUBJECT TO THE MATTHEWS POST CONSTRUCTION STORMWATER ORDINANCE REGULATIONS. PER THE MATTHEWS PCSO.THE SITE IS A REDEVELOPMENT THAT DOES NOT INCREASE BUILT UPON AREA. DUE TO THE REDEVELOPMENT STATUS OF THE SITE, LOCATED IN THE YADKIN PC DISTRICT, THE PROJECT IS NOT SUBJECT TO WATER QUANTITY AND/OR WATER QUALITY REQUIREMENTS.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL EXISTING UTILITY LOCATIONS PRIOR TO COMMENCEMENT OF WORK, ANY UTILITY SHOWN ON THIS PLAN IS FOR REFERENCE ONLY, AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION.

#### **CONSTRUCTION SEQUENCE (PHASE 2):**

- 1. ONCE THE DRAINAGE PIPE HAS BEEN RELOCATED AND TIED INTO THE EXISTING STORM DRAINAGE SYSTEM, THE CONTRACTOR MAY BEGIN INSTALLATION OF THE COMPACTED STONE SUBGRADE FOR THE TRACK REPLACEMENT.
- 2. CONTRACTOR MAY BEGIN PLACEMENT OF BACKFILL MATERIAL AND CONSTRUCTION OF THE PROPOSED SYNTHETIC TURF FIELDS PER THE APPROVED CONSTRUCTION PLANS
- 3. CONTRACTOR TO BEGIN WORK ON OTHER HARDSCAPE AREAS OF THE TRACK REPLACEMENT PLAN INCLUDING SIDEWALK ACCESS, LONG JUMP RUNWAYS, POLE VAULT RUNWAYS, HIGH JUMP PAD, AND THROWING PADS.
- 4. CONTRACTOR TO INSTALL PERIMETER CURB AND PAVING SURFACE FOR TRACK AS SHOWN ON THE PLANS. CONTRACTOR TO INSTALL PERIMETER FENCE AROUND TRACK
- 5. CONTRACTOR TO INSTALL FIELD ITEMS (LONG JUMP RUNWAYS, POLE VAULT RUNWAYS, HIGH JUMP PAD, AND THROWING PADS, ETC.) AS SHOWN ON THE PLANS.
- 6. SELF-INSPECTIONS FOR EROSION AND SEDIMENTATION CONTROL MEASURES ARE TO BE PERFORMED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF EVERY RAIN EVENT OF GREATER THAN 1-INCH. ANY NEEDED REPAIRS SHALL BE MADE IMMEDIATELY TO MAINTAIN MEASURES AS DESIGNED. ALL E&SC MEASURES SHALL BE MAINTAINED AS SPECIFIED IN THE CONSTRUCTION DETAILS ON THIS PLAN. A RAIN GAUGE SHALL BE INSTALLED AT THE PROJECT SITE FOR MONITORING.
- 7. STABILIZATION IS THE BEST FORM OF EROSION CONTROL. TEMPORARY SEEDING IS NECESSARY TO ACHIEVE EROSION CONTROL ON LARGE DENUDED AREAS. ALL SLOPES MUST BE SEEDED AND MULCHED WITHIN DAYS. REFER TO EROSION CONTROL ORDINANCE FOR ADDITIONAL REQUIREMENTS.
- 8. THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES.
- 9. STABILIZE THE SITE AS AREAS ARE BROUGHT UP TO FINISHED GRADE.
- 10. AFTER FINAL SITE STABILIZATION OCCURS, COORDINATE WITH THE INSPECTOR PRIOR TO REMOVAL OF EROSION CONTROL MEASURES.
- 11. WHEN THE PROJECT IS COMPLETE, THE PERMITTEE SHALL CONTACT DEMLR TO CLOSE OUT THE E&SC PLAN. SUBMIT NOTICE OF TERMINATION (NOT) TO MECKLENBURG COUNTY AND NCDEQ, AS APPROPRIATE.

#### STREAM/WETLANDS NOTES:

- JURISDICTIONAL STREAMS AND WETLANDS HAVE NOT BEEN LOCATED ON THE SITE.
- NO DISTURBANCE OF JURISDICTIONAL STREAMS OR WETLANDS ARE PROPOSED FOR THIS PROJECT

#### **DEWATERING OPERATION:**

- 1. DEWATERING MAY BE NECESSARY IN THE EXCAVATION AREAS (E.G. SUBGRADE AREAS). THE CONTRACTOR SHALL FURNISH, INSTALL, OPERATE, AND MAINTAIN ANY PUMPING EQUIPMENT, ETC. NEEDED FOR REMOVAL OF WATER FROM VARIOUS PARTS OF THE SITE.
- 2. DURING PLACEMENT OF FILL WITHIN THESE AREAS, THE CONTRACTOR SHALL KEEP THE WATER LEVEL BELOW THE BOTTOM OF THE EXCAVATION / CONSTRUCTION AREAS. THE MANNER IN WHICH THE WATER IS REMOVED SHALL BE SUCH THAT THE EXCAVATION BOTTOM AND SIDE SLOPES ARE STABLE, WITH NO SEDIMENT DISCHARGED FROM THE SITE (I.E. PUMPED WATER MAY NEED TO BE DIRECTED TO AN APPROVED EROSION CONTROL DEVICE PRIOR TO DISCHARGE)
- 3. DEWATERING OPERATION MAY NOT OCCUR DURING PERIODS OF HEAVY PRECIPITATION
- 4. PUMPS MUST DISCHARGE INTO FILTER BAGS THAT DISCHARGE INTO A WELL VEGETATED AREA.
- 5. PUMPS MUST NOT DISCHARGE INTO STORM DRAINS OR WATERWAYS AND MUST BE A MINIMUM OF 50-FEET FROM STORM INLETS.
- 6. ACCUMULATED SEDIMENT FROM FILTER BAGS MUST BE DISPOSED OF IN AN APPROVED MANNER.
- 7. SEE SEDIMENT FILTER BAG DETAIL ON SHEET C202 FOR ADDITIONAL INFORMATION.

#### COUNTY STANDARD EROSION CONTROL NOTES:

- 1. ALL "STD" NUMBERS REFER TO MECKLENBURG COUNTY LAND DEVELOPMENT STANDARDS MANUAL (MCLDS).
- 2. ON-SITE BURIAL PITS REQUIRE AN ON-SITE DEMOLITION LANDFILL PERMIT FROM THE ZONING ADMINISTRATOR.
- 3. ANY GRADING BEYOND THE DENUDED LIMITS SHOWN ON THE PLAN IS A VIOLATION OF
- 4. GRADING MORE THAN ONE-ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A

THE COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.

- VIOLATION OF THE COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
- 5. ALL PERIMETER AREAS AND SLOPES GREATER THAN 3:1 SHALL BE STABILIZED WITHIN 7 DAYS. GROUND STABILIZATION ON ALL OTHER AREAS MUST BE COMPLETED WITHIN 14 DAYS. REFER TO THE EROSION CONTROL ORDINANCE FOR ADDITIONAL REQUIREMENTS.
- 6. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE COUNTY.
- 7. A GRADING PLAN MUST BE SUBMITTED FOR ANY LOT GRADING EXCEEDING ONE ACRE THAT WAS NOT PREVIOUSLY APPROVED.
- 8. TEMPORARY DRIVEWAY PERMIT FOR CONSTRUCTION ENTRANCES IN NCDOT RIGHT-OF-WAY MUST BE PRESENTED AT PRE-CONSTRUCTION MEETING.
- 9. ALL EMBANKMENTS MUST BE CONSTRUCTED PER SECTION 4.0.6 EMBANKMENT REQUIREMENTS IN THE BMP DESIGN MANUAL.
- 10. SLOPES SHALL BE GRADED NO STEEPER THAN 2:1. SLOPED GREATER THAN 10 VERTICAL FEET REQUIRE ADEQUATE TERRACING (MCLDSM #30.16). SOILS ENGINEER TO VERIFY STABILITY OF SLOPES GREATER THAN 2:1.
- 11. SOIL COMPACTION TESTS ARE REQUIRED ON ANY BERM >=5' IN HEIGHT FROM THE NATURAL GRADE. SOIL COMPACTION MUST BE AT 95% PROCTOR AND CERTIFIED BY A LICENSED SOIL ENGINEER.

#### SWIM/PCO BUFFER NOTES:

- 1. BUFFER WIDTHS ARE SHOWN AND LABELED ON PLANS AND ARE CORRECT BASED ON
- 2. PLANS INDICATE THAT ALL ENGINEERED CHANNELS. PIPED OUTFALLS, AND RIPRAP APRONS END OUTSIDE OF THE BUFFER.
- 3. DRAINAGE OUTFALLS MUST BE DESIGNED TO ALLOW WATER TO SHEET FLOW ACROSS THE BUFFER TO FILTER OUT POLLUTANTS.
- 4. ENERGY DISSIPATORS, DIVERSION DEVICES OR WETLAND FLOW MUST BE USED TO SPREAD CONCENTRATED FLOWS AND MUST BE LOCATED OUTSIDE THE BUFFER AREA. ADEQUATE VEGETATIVE COVER MUST BE RETAINED OR RE-ESTABLISHED BELOW ENERGY DISSIPATORS TO PREVENT EROSION.
- 5. NO OUTLET DRAINS MORE THAN 10 ACRES DRAINAGE AREA TO ANY ONE POINT IS A STREAM BUFFER.
- 6. WHERE DISTURBANCE TO THE BUFFER IS SHOWN, A LETTER FROM WATER QUALITY IS REQUIRED STATING THAT THE DISTURBANCE SHOWN IS ALLOWABLE OR WHETHER A MITIGATION PLAN HAS BEEN APPROVED.
- 7. ALL TEMPORARY SEDIMENT BASINS AND ALL OTHER EROSION DEVICES ARE LOCATED OUTSIDE OF THE MINIMUM BUFFER WIDTH.

#### 8. BUFFER DELINEATION:

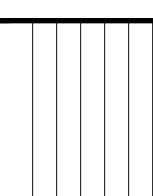
- BUFFER AREA IS CLEARLY IDENTIFIED ON PLANS IN BOLD, CLEAR TYPE AS "SWIM/PCO
- THE OUTSIDE BOUNDARY OF EACH BUFFER ZONE IS CLEARLY MARKED AND LABELED ON PLANS (STREAM SIDE, MANAGED USE, UPLAND).
- FIELD LOCATED TOP OF BANK FROM WHERE THE BUFFER WIDTH IS MEASURED AND LABELED ON PLANS. - STREAMS AND BUFFER BOUNDARIES INCLUDING THE DELINEATION OF EACH ZONE
- AND A DIMENSION FROM A SPECIFIC LOCATION ARE SHOWN ON ALL SURVEYS AND RECORD PLATS. INCLUDING INDIVIDUAL RECORD PLATS FOR ANY LOTS AFFECTED. - WHERE APPLICABLE FOR 100' BUFFERS/50% ADDITIONAL WIDTH: PROVIDE CALCULATIONS FOR 50% ADDITIONAL WIDTH BASED ON THE AREA BETWEEN THE CURRENT 100-YEAR FEMA FRINGE BOUNDARY TO THE 100' SWIM BUFFER OR THE 0.1 FLUM ENCROACHMENT LINE, WHICHEVER IS LESS.
- 9. THE STREAMSIDE ZONE OF THE BUFFER MUST BE LEFT COMPLETELY UNDISTURBED. IN THE MANAGED USE ZONE, A LIMITED NUMBER OF TREES CAN BE REMOVED PROVIDED THAT THE TREE DENSITY REMAINING IS A MINIMUM OF 8 HEALTHY TREES OF A MINIMUM 6-INCH CALIPER PER 1,000 SQUARE FEET. REMOVAL OF EXISTING VEGETATION MUST BE PERFORMED IN SUCH A MANNER AS TO PREVENT DAMAGE TO THE ROOTS OF THE REMAINING TREES.
- 10. PLANS CLEARLY INDICATE THAT NO FILL MATERIAL IS TO BE BROUGHT INTO THE BUFFER AND THAT NO STRUCTURES ARE ALLOWED WITHIN ANY BUFFER AREAS (EXCEPT NON-COMMERCIAL OUT BUILDINGS NOT EXCEEDING 150 SQUARE FEET).
- 11. GRADING AND OTHER LAND-DISTURBING ACTIVITES ARE ALLOWED ONLY IN THE UPLAND ZONE; HOWEVER, THESE ACTIVITIES MUST BE PERFORMED IN SUCH A MANNER AS TO PREVENT DAMAGE TO THE ROOTS OF REMAINING TREES. GRASS OR OTHER SUITABLE GROUNDCOVER CAN BE APPLIED TO THE UPLAND ZONE...
- 12. THE OUTSIDE BOUNDARY OF THE BUFFER MUST BE CLEARLY MARKED WITH ORANGE FABRIC FENCING PRIOR TO ANY LAND-DISTURBING ACTIVITIES (GRADING, TREE-CUTTING OR STUMPING, ETC) AT THE SITE AND THIS FENCING MUST BE CALLED OUT ON THE PLANS.
- 13. THE OUTSIDE BOUNDARY OF THE STREAM BUFFER MUST BE PERMANENTLY MARKED WITH IRON PIN OR OTHER ACCEPTABLE PROPERTY CORNER MARKER AT STREET CROSSINGS AND THIS MARKER MUST BE CALLED OUT ON THE PLANS.
- 14. ANY ACTIVITY IN THE BUFFER MUST ALSO COMPLY WITH THE ACCEPTABLE ZONING
- 15. STREAM BUFFERS MUST BE SURVEYED AND CLEARLY MARKED IN THE FIELD PRIOR TO THE PRE-CONTRUCTION MEETING WITH THE WATER QUALITY STAFF

**TOTAL DENUDED AREA = 2.7 ACRES** 









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SCALE: NTS

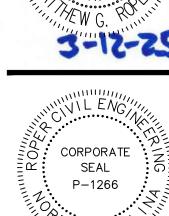
DATE: 3-12-25 SHEET NAME: GENERAL AND **EROSION** CONTROL NOTES

EDGIDEERII

3007 Hinsdale Street
Charlotte NC 28210

SEAL 24914

WGINER OF THE WILLIAM G.



CORPORATE
SEAL
P-1266
P-1266

REVISIONS:

OTTE MECKLENBURG

RD OF EDUCATION
OST OFFICE BOX 30035

CHARLOTTE MECKI BOARD OF EDUC

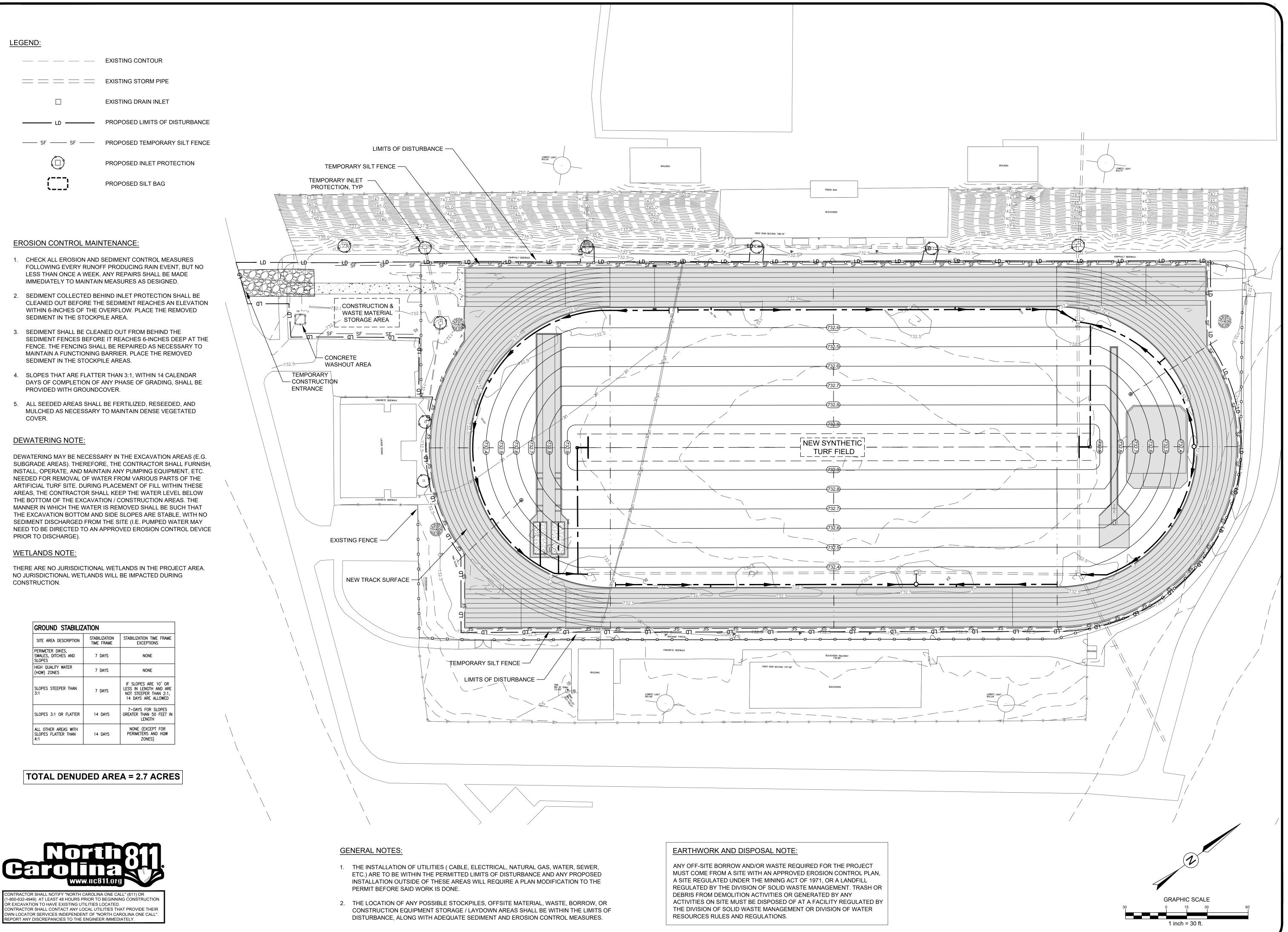
TRACK RENOVATIONS

THEWS-MINT HILL BOAD

TLER HIGH SCIRE AND TRAC

SCALE: 1" = 30'-0"

SHEET NAME:
PHASE 1
EROSION
CONTROL PLAN





CORPORATE

SEAL P-1266

SCALE: 1" = 30'-0"

DATE: 3-12-25 SHEET NAME: PHASE 2 **EROSION** CONTROL PLAN

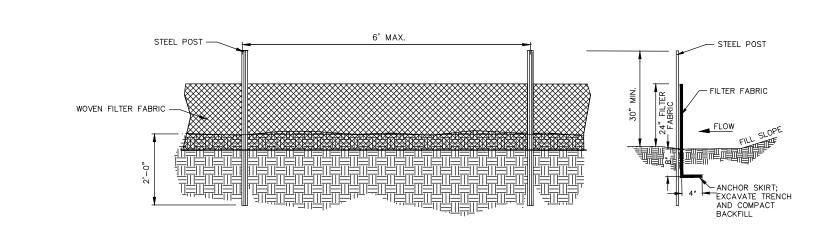
THE STANDARDS & SPECIFICATIONS SHOWN ARE FROM THE "NORTH CAROLINA EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL" (NCESCPDM) PREPARED BY NC DEPT. OF ENVIRONMENT AND NATURAL RESOURCES (NCDENR).

#### MECKLENBURG COUNTY LAND DEVELOPMENT STANDARDS

SPECIAL EROSION CONTROL REQUIREMENTS & NOTES

STD. NO. REV 30.00

WASHED STONE



BETWEEN POSTS

#### **GENERAL NOTES:**

LAND DEVELOPMENT

**STANDARDS** 

WOVEN FILTER FABRIC-

**GENERAL NOTES:** 

- 1. FILTER FABRIC FENCE SHALL BE A MINIMUM OF 32" IN WIDTH AND SHALL HAVE A MINIMUM OF 6 LINE WIRES WITH 12" STAY SPACING.
- 2. WOVEN FILTER FABRIC BE USED WHERE SILT FENCE IS TO REMAIN FOR A PERIOD OF MORE THAN 30 DAYS.
- 3. STEEL POSTS SHALL BE 5'-0" IN HEIGHT AND BE OF THE SELF-FASTENER ANGLE STEEL
- 4. TURN SILT FENCE UP SLOPE AT ENDS.
- 5. ORANGE SAFETY FENCE IS REQUIRED AT BACK OF SILT FENCE WHEN GRADING IS ADJACENT TO SWIM BUFFERS, STREAMS OR WETLANDS (REFER TO SWIM BUFFER GUIDELINES). THE COLOR ORANGE IS RESERVED FOR VISUAL IDENTIFICATION OF ENVIRONMENTALLY SENSITIVE AREAS.
- 6. DRAINAGE AREA CAN NOT BE GREATER THAN 1/4 ACRE PER 100 FT OF FENCE. 7. SLOPE LENGTHS CAN NOT EXCEED CRITERIA SHOWN IN TABLE 6.62A NORTH CAROLINA
- EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.
- 8. DO NOT INSTALL SEDIMENT FENCE ACROSS STREAMS, DITCHES, WATERWAYS OR OTHER AREAS OF CONCENTRATED FLOW.

#### MAINTENANCE NOTES:

- FILTER BARRIERS SHALL BE INSPECTED BY THE FINANCIALLY RESPONSIBLE PARTY OR HIS AGENT IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS NEEDED SHALL BE MADE
- 2. SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL IS NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
- 3. SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN DEPOSITS REACH APPROX. HALF THE HEIGHT OF THE BARRIER. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS REMOVED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

NOT TO SCAL

TEMPORARY SILT FENCE

STD. NO. REV 30.06A

-HARDWARE CLOTH

►ANCHOR SKIRT

1. FILTER OUTLETS SHALL BE INSPECTED BY THE FINANCIALLY RESPONSIBLE PARTY OR

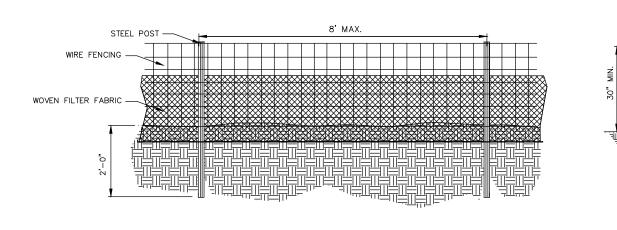
2. THE STONE SHALL BE REPLACED PROMPTLY AFTER ANY EVENT THAT HAS CLOGGED OR REMOVED IT.

S. SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN DEPOSITS REACH HALF THE HEIGHT OF THE BARRIER. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OUTLET IS REMOVED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

CROSS-SECTION

PROLONGED RAINFALL. ANY REPAIRS NEEDED SHALL BE MADE IMMEDIATELY.

(NCDOT #5 OR #57)



**GENERAL NOTES:** 

- FILTER FABRIC FENCE SHALL BE A MINIMUM OF 32" IN WIDTH AND SHALL HAVE A MINIMUM OF 6 LINE WIRES WITH 12" STAY SPACING.
- 2. WOVEN FILTER FABRIC BE USED WHERE SILT FENCE IS TO REMAIN FOR A PERIOD OF MORE THAN 30 DAYS.
- 3. STEEL POSTS SHALL BE 5'-0" IN HEIGHT AND BE OF THE SELF-FASTENER ANGLE STEEL
- 4. WIRE FENCING SHALL BE AT LEAST #10 GAGE WITH A MINIMUM OF 6 LINE WIRES WITH 6" STAY SPACING.
- 5. TURN SILT FENCE UP SLOPE AT ENDS. 6. WIRE AND WASHED STONE IS REQUIRED TO BE SHOWN ON PLANS AT THE TOE OF SLOPES

MECKLENBURG COUNTY

LAND DEVELOPMENT

**STANDARDS** 

- GREATER THAN 10 FEET VERTICAL (2:1 SLOPE)
- ADJACENT TO SWIM BUFFERS, STREAMS OR WETLANDS (REFER TO SWIM BUFFER GUIDELINES). THE COLOR ORANGE IS RESERVED FOR VISUAL IDENTIFICATION OF
- 8. DRAINAGE AREA CAN NOT BE GREATER THAN 1/4 ACRE PER 100 FT OF FENCE.
- 9. SLOPE LENGTHS CAN NOT EXCEED CRITERIA SHOWN IN TABLE 6.62A NORTH CAROLINA EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.
- 10. DO NOT INSTALL SEDIMENT FENCE ACROSS STREAMS, DITCHES, WATERWAYS OR OTHER AREAS OF CONCENTRATED FLOW.

3. SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN DEPOSITS REACH HALF THE HEIGHT OF THE BARRIER. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS REMOVED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

1. FILTER BARRIERS SHALL BE INSPECTED BY THE FINANCIALLY RESPONSIBLE PARTY

OR HIS AGENT IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS NEEDED SHALL BE MADE IMMEDIATELY.

SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL IS NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.

HIGH HAZARD

TEMPORARY SILT FENCE

STORAGE AREA

12" #5 WASHED

STONE INLET PROTECTION

From

<u>Plan view</u>

MAINTENANCE NOTES:

NOT TO SCAL

WIRE FENCING FILTER FABRIC

AND BACKFILL WITH

STD. NO. RE

30.06B

WOVEN FILTER FABRIC-



#### **GENERAL NOTES:**

- 1. SEDIMENT FILTER OUTLET SHALL BE 16 INCHES HIGH BUT NO TALLER THAN 18 INCHES. 2. CLASS 1 OR 2 RIP-RAP SHALL BE USED AND COVERED WITH 4 INCHES OF NCDOT #5 OR #57 WASHED STONE ON THE UPSLOPE SIDE.
- 3. POSTS SHALL BE NO MORE THAN 4 FEET APART.
- 4. SITE OUTLETS AT ANY POINT SMALL CONCENTRATED FLOWS ARE ANTICIPATED AND AT THE DIRECTION OF THE INSPECTOR.
- 5. ONE ACRE MAXIMUM DRAINAGE AREA PER OUTLET.

#### MAINTENANCE NOTES:

- 1. FILTER OUTLETS SHALL BE INSPECTED BY THE FINANCIALLY RESPONSIBLE PARTY OR HIS AGENT IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURIN PROLONGED RAINFALL. ANY REPAIRS NEEDED SHALL BE MADE IMMEDIATELY.
- 2. THE STONE SHALL BE REPLACED PROMPTLY AFTER ANY EVENT THAT HAS CLOGGED OR REMOVED IT.
- 3. SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN DEPOSITS REACH HALF THE HEIGHT OF THE BARRIER. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OUTLET IS REMOVED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

NOT TO SCAL

MECKLENBURG COUNTY LAND DEVELOPMENT **STANDARDS** 

SILT FENCE OUTLET OPTION 1

STD. NO. REV 30.06C

MECKLENBURG COUNTY
LAND DEVELOPMENT
STANDARDS

CHECK DAMS MAY BE USED IN SLOPING DITCHES

DOWNSTREAM DAM (SEE DIAGRAM BELOW).

OR CHANNELS TO SLOW VELOCITY OR TO CREATE

ENSURE THAT MAXIMUM SPACING BETWEEN DAMS PLACES THE

MAXIMUM SPACING

A AND B ARE AT EQUAL ELEVATIONS

TOE OF THE UPSTREAM DAM AT THE SAME ELEVATION AS THE

1. SEDIMENT FILTER OUTLET AND HARDWARE CLOTH SHALL BE 16 INCHES HIGH BUT NO

BE SAME AS STD. #30.09 (19 GAUGE, 1/4" SPACING).

3. POSTS SHALL BE NO MORE THAN 4 FEET APART.

5. ONE ACRE MAXIMUM DRAINAGE AREA PER OUTLET.

GENERAL NOTES:

SEDIMENT TRAPS.

HARDWARE CLOTH SHALL BE ANCHORED TO THE STEEL POSTS SECURELY USING APPROPRIATE ANCHORS. HARDWARE CLOTH SHALL BE KEYED IN A MINIMUM OF 12 INCHES IN LENGTH AND BACKFILLED PROPERLY AS SHOWN IN ABOVE DETAIL. HARDWARE CLOTH TO

SITE OUTLETS AT ANY POINT SMALL CONCENTRATED FLOWS ARE ANTICIPATED AND AT THE DIRECTION OF THE INSPECTOR.

CLASS B RIP RAP-

MAINTENANCE NOTES:

SILT FENCE OUTLET OPTION 2

STD. NO. REV 30.06D

-12" OF #5 WASHED STONE

NOT TO SCAL

### GENERAL NOTES: 1. SEDIMENT SHALL BE REMOVED AND TRAP

- RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP.
- 2. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
- 3. THE STRUCTURE SHALL BE INSPECTED BY THE FINANCIALLY RESPONSIBLE PARTY OR HIS AGENT AFTER EACH STORM EVENT AND REPAIRS MADE AS NECESSARY.
- 4. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION ARE
- 5. THE SEDIMENT TRAP SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE BASIN HAS BEEN PROPERLY STABILIZED.
- 6. ON LARGER DRAINAGE AREAS RIP RAP MAY
- BE REQUIRED UNDER THE WASHED STONE.
- 7. MUST BE LOCATED AT LEAST 30' AWAY FROM VEHICULAR TRAFFIC,

NOT TO SCAL

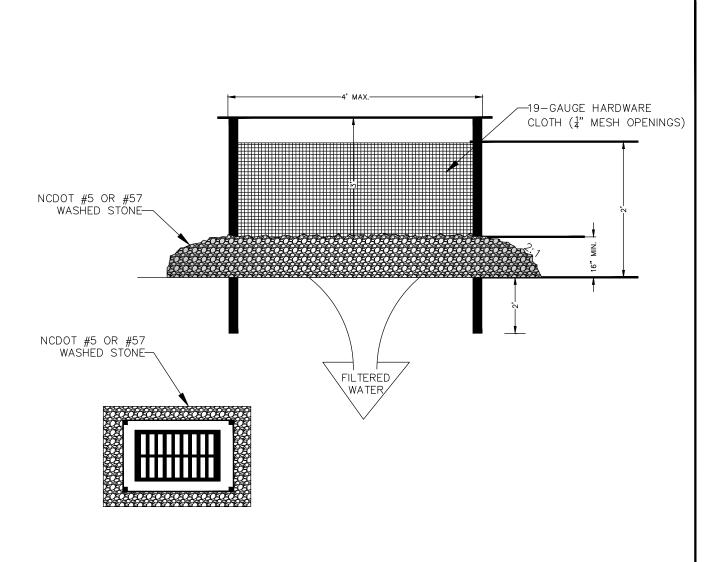
STORAGE

STD. NO. REV

30.08

**GENERAL NOTES:** . UNIFORMLY GRADE A SHALLOW DEPRESSION APPROACHING THE

- 2. DRIVE 5-FOOT STEEL POSTS 2 FEET INTO THE GROUND SURROUNDING THE INLET. SPACE POSTS EVENLY AROUND THE PERIMETER OF THE INLET, A MAXIMUM OF 4 FEET
- SURROUND THE POSTS WITH WIRE MESH HARDWARE CLOTH, SECURE THE WIRE MESH TO THE STEEL POSTS AT THE TOP, MIDDLE, AND BOTTOM. PLACING A 2-FOOT FLAP OF THE WIRE MESH UNDER THE GRAVEL FOR ANCHORING IS RECOMMENDED.
- PLACE CLEAN GRAVEL (NC DOT #5 OR #57 STONE) ON A 2:1 SLOPE WITH A HEIGHT OF 16 INCHES AROUND THE WIRE, AND SMOOTH TO AN EVEN GRADE.
- ONCE THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE ACCUMULATED SEDIMENT, AND ESTABLISH FINAL GRADING ELEVATIONS.
- 6. COMPACT THE AREA PROPERLY AND STABILIZED IT WITH GROUNDCOVER.



MECKLENBURG COUNTY HARDWARE CLOTH AND GRAVEL LAND DEVELOPMENT STANDARDS

INLET PROTECTION

STD. NO. REV. 30.09

NOT TO SCALI

MECKLENBURG COUNTY LAND DEVELOPMENT **STANDARDS** 

<u>PLAN</u> APPROVED DATE: 02/2007 NOT TO SCAL TEMPORARY ROCK CHECK DAM STD. NO. REV 30.10A

#### NOTES:

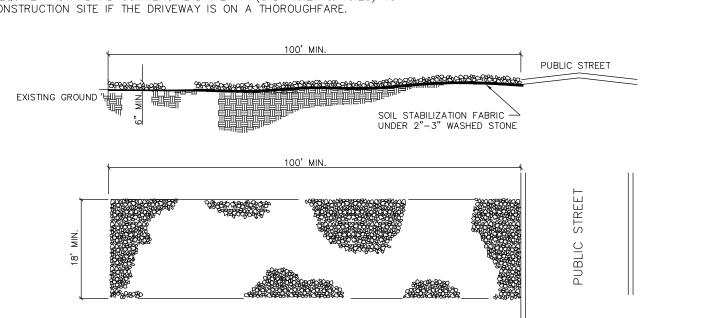
APPROVED DATE: 02/2007

MECKLENBURG COUNTY

LAND DEVELOPMENT

STANDARDS

- 1. A STABILIZED ENTRANCE PAD OF 2"-3" WASHED STONE SHALL BE LOCATED WHERE TRAFFIC WILL ENTER OR LEAVE THE CONSTRUCTION SITE ONTO A PUBLIC STREET.
- 2. FILTER FABRIC OR COMPACTED CRUSHER RUN STONE SHALL BE USED AS A BASE FOR THE CONSTRUCTION ENTRANCE.
- 3. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC STREETS OR EXISTING PAVEMENT. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS WARRANT AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
- 4. ANY SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC STREETS MUST BE REMOVED IMMEDIATELY. 5. WHEN APPROPRIATE, WHEELS MUST BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTERING A PUBLIC STREET. WHEN WASHING IS REQUIRED, IT SHALL BE DONE IN AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN SEE STD. NO. 30.11B.
- 6. COUNTY MAY REQUIRE A STANDARD COMMERCIAL DRIVEWAY (STD. 10.24 & 10.25) TO ACCESS THE CONSTRUCTION SITE IF THE DRIVEWAY IS ON A THOROUGHFARE.

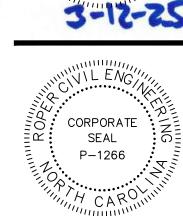


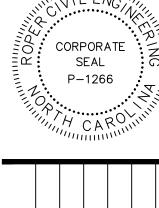
APPROVED DATE: 02/2007

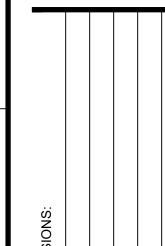
MECKLENBURG COUNTY
LAND DEVELOPMENT
STANDARDS

NOT TO SCAL









SCALE: NTS

품

DATE: 3-12-25 SHEET NAME: **EROSION** CONTROL

DETAILS SHEET NO:

-KEY/ANCHOR MATERIAL AT

NOT TO SCALE

STD. NO. REV

TOP OF SLOPE.

CORPORATE SEAL P-1266

C RENOVATIONS
AINT HILL ROAD
NC 28105 BUTLE! TURF

SCALE: NTS

DATE: 3-12-25 SHEET NAME: **EROSION** CONTROL DETAILS

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

#### SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes				
Site Area Description		Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations	
(a)	Perimeter dikes, swales, ditches, and perimeter slopes	7	None	
(b)	High Quality Water (HQW) Zones	7	None	
(c)	Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed	
(d)	Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed	
(e)	Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope	

**Note:** After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

#### GROUND STABILIZATION SPECIFICATION

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

Temporary Stabilization	Permanent Stabilization
<ul> <li>Temporary grass seed covered with straw or other mulches and tackifiers</li> <li>Hydroseeding</li> <li>Rolled erosion control products with or without temporary grass seed</li> <li>Appropriately applied straw or other mulch</li> <li>Plastic sheeting</li> </ul>	<ul> <li>Permanent grass seed covered with straw or other mulches and tackifiers</li> <li>Geotextile fabrics such as permanent soil reinforcement matting</li> <li>Hydroseeding</li> <li>Shrubs or other permanent plantings covered with mulch</li> <li>Uniform and evenly distributed ground cover sufficient to restrain erosion</li> <li>Structural methods such as concrete, asphalt or retaining walls</li> </ul>
	<ul> <li>sufficient to restrain erosion</li> <li>Structural methods such as concrete, asphalt or</li> </ul>

#### POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

- 1. Select flocculants that are appropriate for the soils being exposed during construction, selecting from the NC DWR List of Approved PAMS/Flocculants.
- 2. Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
- 3. Apply flocculants at the concentrations specified in the NC DWR List of Approved PAMS/Flocculants and in accordance with the manufacturer's instructions.
- 4. Provide ponding area for containment of treated Stormwater before discharging offsite.
- 5. Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

#### **EQUIPMENT AND VEHICLE MAINTENANCE**

- .. Maintain vehicles and equipment to prevent discharge of fluids.
- 2. Provide drip pans under any stored equipment.
- 3. Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
- 4. Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
- 5. Remove leaking vehicles and construction equipment from service until the problem has been corrected.
- 6. Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

#### LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

- 1. Never bury or burn waste. Place litter and debris in approved waste containers.
- 2. Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
- 3. Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- 4. Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
- 5. Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
- 6. Anchor all lightweight items in waste containers during times of high winds.
- 7. Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
- 8. Dispose waste off-site at an approved disposal facility.
- On business days, clean up and dispose of waste in designated waste containers.

#### PAINT AND OTHER LIQUID WASTE

- 1. Do not dump paint and other liquid waste into storm drains, streams or wetlands.
- 2. Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- 3. Contain liquid wastes in a controlled area.
- I. Containment must be labeled, sized and placed appropriately for the needs of site.
- Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

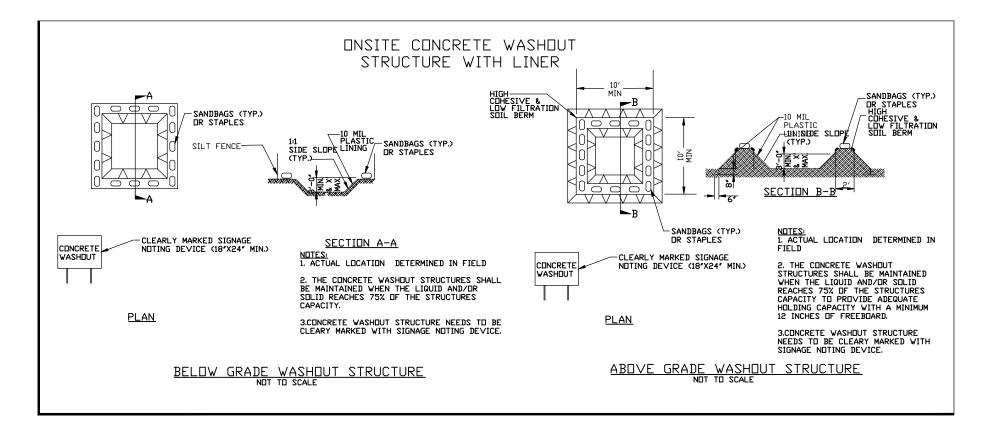
#### PORTABLE TOILETS

- 1. Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
- 2. Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
- 3. Monitor portable toilets for leaking and properly dispose of any leaked material.

  Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

#### **EARTHEN STOCKPILE MANAGEMENT**

- Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
- . Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
- 3. Provide stable stone access point when feasible.
- Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.



#### **CONCRETE WASHOUTS**

- 1. Do not discharge concrete or cement slurry from the site.
- 2. Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
- 3. Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.
- 4. Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
- 5. Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
- Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
- 7. Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
- 8. Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.
- 9. Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
- 10. At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

### HERBICIDES, PESTICIDES AND RODENTICIDES

- 1. Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
- Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
- 3. Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
- 4. Do not stockpile these materials onsite.

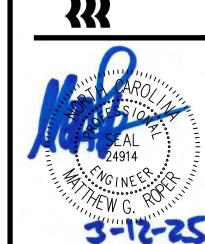
#### HAZARDOUS AND TOXIC WASTE

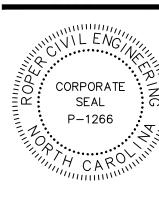
- 1. Create designated hazardous waste collection areas on-site.
- 2. Place hazardous waste containers under cover or in secondary containment.
- B. Do not store hazardous chemicals, drums or bagged materials directly on the ground.

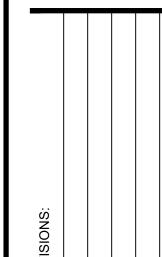
NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

EFFECTIVE: 04/01/19

ROPER CIVIL ELEMINATE Street







CHARLOTTE MECKLENBURG
BOARD OF EDUCATION
POST OFFICE BOX 30035
CHARLOTTE, NC 28230

HIGH SCHOOL SYNTHETIC

ND TRACK RENOVATIONS

810 MATTHEWS, NC 28105

SCALE: NTS

DATE: 3-12-25

SHEET NAME:
EROSION
CONTROL

BUTLE! TURF

DETAILS
SHEET NO:
C205

#### **SECTION A: SELF-INSPECTION**

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the Inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts.  If no daily rain gauge observations are made during weekend holiday periods, and no individual-day rainfall information available, record the cumulative rain measurement for those attended days (and this will determine if a site inspection needed). Days on which no rainfall occurred shall be recorded "zero." The permittee may use another rain-monitoring devapproved by the Division.
(2) E&SC Measures	At least once per 7 calendar days and within 24 hours of a rain event $\geq$ 1.0 inch in 24 hours	<ol> <li>Identification of the measures inspected,</li> <li>Date and time of the inspection,</li> <li>Name of the person performing the inspection,</li> <li>Indication of whether the measures were operating properly,</li> <li>Description of maintenance needs for the measure,</li> <li>Description, evidence, and date of corrective actions taken.</li> </ol>
(3) Stormwater discharge outfalls (SDOs)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	<ol> <li>Identification of the discharge outfalls inspected,</li> <li>Date and time of the inspection,</li> <li>Name of the person performing the inspection,</li> <li>Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration,</li> <li>Indication of visible sediment leaving the site,</li> <li>Description, evidence, and date of corrective actions taken.</li> </ol>
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event > 1.0 inch in 24 hours	<ol> <li>If visible sedimentation is found outside site limits, then a record of the following shall be made:</li> <li>Actions taken to clean up or stabilize the sediment that has lithe site limits,</li> <li>Description, evidence, and date of corrective actions taken, at a seplanation as to the actions taken to control future releases.</li> </ol>
(5) Streams or wetlands onsite or offsite (where accessible)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If the stream or wetland has increased visible sedimentation or stream has visible increased turbidity from the construction activity, then a record of the following shall be made:  1. Description, evidence and date of corrective actions taken, a  2. Records of the required reports to the appropriate Division Regional Office per Part III, Section C, Item (2)(a) of this perm
(6) Ground stabilization measures	After each phase of grading	<ol> <li>The phase of grading (installation of perimeter E&amp;SC measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent ground cover).</li> <li>Documentation that the required ground stabilization measures have been provided within the required timeframe or an assurance that they will be provided as soon as possible.</li> </ol>

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

## PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

#### SECTION B: RECORDKEEPING

#### 1. E&SC Plan Documentation

The approved E&SC plan as well as any approved deviation shall be kept on the site. The approved E&SC plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&SC plan shall be kept on site and available for inspection at all times during normal business hours.

Item to Document	Documentation Requirements
(a) Each E&SC measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&SC plan.	Initial and date each E&SC measure on a copy of the approved E&SC plan or complete, date and sign an inspection report that lists each E&SC measure shown on the approved E&SC plan. This documentation is required upon the initial installation of the E&SC measures or if the E&SC measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate completion of the construction phase.
(c) Ground cover is located and installed in accordance with the approved E&SC plan.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.
(d) The maintenance and repair requirements for all E&SC measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&SC measures.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

#### 2. Additional Documentation to be Kept on Site

In addition to the E&SC plan documents above, the following items shall be kept on the site and available for inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:

- (a) This General Permit as well as the Certificate of Coverage, after it is received.
- (b) Records of inspections made during the previous twelve months. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.

#### 3. Documentation to be Retained for Three Years

All data used to complete the e-NOI and all inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

## PART II, SECTION G, ITEM (4) DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT

Sediment basins and traps that receive runoff from drainage areas of one acre or more shall use outlet structures that withdraw water from the surface when these devices need to be drawn down for maintenance or close out unless this is infeasible. The circumstances in which it is not feasible to withdraw water from the surface shall be rare (for example, times with extended cold weather). Non-surface withdrawals from sediment basins shall be allowed only when all of the following criteria have been met:

- (a) The E&SC plan authority has been provided with documentation of the non-surface withdrawal and the specific time periods or conditions in which it will occur. The non-surface withdrawal shall not commence until the E&SC plan authority has approved these items,
- (b) The non-surface withdrawal has been reported as an anticipated bypass in accordance with Part III, Section C, Item (2)(c) and (d) of this permit,
- Dewatering discharges are treated with controls to minimize discharges of pollutants from stormwater that is removed from the sediment basin. Examples of appropriate controls include properly sited, designed and maintained dewatering tanks, weir tanks, and filtration systems,
- (d) Vegetated, upland areas of the sites or a properly designed stone pad is used to the extent feasible at the outlet of the dewatering treatment devices described in Item (c) above,
- (e) Velocity dissipation devices such as check dams, sediment traps, and riprap are provided at the discharge points of all dewatering devices, and
- (f) Sediment removed from the dewatering treatment devices described in Item (c) above is disposed of in a manner that does not cause deposition of sediment into waters of the United States.

## PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

#### SECTION C: REPORTING

#### 1. Occurrences that Must be Reported

Permittees shall report the following occurrences:

- (a) Visible sediment deposition in a stream or wetland.
- (b) Oil spills if:
  - They are 25 gallons or more,
  - They are less than 25 gallons but cannot be cleaned up within 24 hours,
  - They cause sheen on surface waters (regardless of volume), or
  - They are within 100 feet of surface waters (regardless of volume).
- (c) Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85.
- (d) Anticipated bypasses and unanticipated bypasses.
- (e) Noncompliance with the conditions of this permit that may endanger health or the environment.

#### 2. Reporting Timeframes and Other Requirements

After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Department's Environmental Emergency Center personnel at (800) 858-0368.

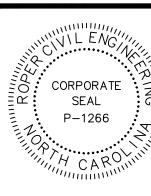
Reporting Timeframes (After Discovery) and Other Requirements
<ul> <li>Within 24 hours, an oral or electronic notification.</li> <li>Within 7 calendar days, a report that contains a description of the sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a case-by-case basis.</li> <li>If the stream is named on the NC 303(d) list as impaired for sediment-related causes, the permittee may be required to perform additional monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired-waters conditions.</li> </ul>
Within 24 hours, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release.
<ul> <li>A report at least ten days before the date of the bypass, if possible.</li> <li>The report shall include an evaluation of the anticipated quality and effect of the bypass.</li> </ul>
<ul> <li>Within 24 hours, an oral or electronic notification.</li> <li>Within 7 calendar days, a report that includes an evaluation of the quality and effect of the bypass.</li> </ul>
<ul> <li>Within 24 hours, an oral or electronic notification.</li> <li>Within 7 calendar days, a report that contains a description of the noncompliance, and its causes; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. [40 CFR 122.41(I)(6).</li> <li>Division staff may waive the requirement for a written report on a case-by-case basis.</li> </ul>

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

EFFECTIVE: 04/01/19

EDGIDEERII 3007 Hinsdale Street Charlotte, NC 28210





EVISIONS:

CHARLOTTE MECKLENBURG
BOARD OF EDUCATION
POST OFFICE BOX 30035

HIGH SCHOOL SYNTHEN IND TRACK RENOVATION RATTHEWS-MINT HILL BOAD

SCALE: NTS

SHEET NAME:
EROSION
CONTROL
DETAILS

#### LAYOUT NOTES

1. SHOULD ANY DISCREPANCIES BE FOUND IN THE FIELD THE CONTRACTOR SHALL CONTACT THE OWNER AND LANDSCAPE ARCHITECT/SPORT FIELD DESIGNER PRIOR TO PROCEEDING.

2. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED FROM ALL REGULATOR AUTHORITIES.

3. THE CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING ITEM AND/OR MATERIAL INSIDE OR OUTSIDE THE CONSTRUCTION LIMITS.

4. ALL PAPER DRAWINGS AND PDFS ARE REPRODUCTIONS AND ARE SUBJECT TO DISTORTION.

5. CONTRACTOR SHALL MAINTAIN THE SITE IN A SAFE AND CLEAN MANNER.

6. STAKE LAYOUT PRIOR TO CONSTRUCTION. VERIFY

LOCATIONS WITH LANDSCAPE ARCHITECT OR OWNER.

7. REFER TO SPECIFICATIONS FOR DETAILED SHOP DRAWING/SUBMITTAL PROCEDURES.

8. EROSION CONTROL MEASURES BY CONTRACTOR AS

#### TRACK NOTES:

1. SHOP DRAWINGS REQUIRED FOR TRACK LAYOUT AND EVENTS IN FULL COLOR FOR OWNER, DESIGNER AND TRACK CONSULTANT APPROVALS.

2. ALL MATERIAL COLORS SHALL BE APPROVED BY THE

3. ALL CONSTRUCTION DEBRIS SHALL BE DISPOSED OF OFF-SITE PROPERLY (SEE CIVIL DEMOLITION PLAN)

4. CONTRACTOR SHALL PROVIDE A SMOOTH TRANSITION BETWEEN THE CONSTRUCTION PROJECT AND THE EXISTING CONDITIONS.

5. CONTRACTOR IS RESPONSIBLE TO ENSURE FINAL TRACK LAYOUT AND EVENTS MEET ALL NFHS RULES.

6. CONTRACTOR MUST FIELD VERIFY ALL QUANTITIES, AS THE BASE INFORMATION IS BUILT OFF OF AS BUILT PDF'S AND IS NOT SURVEY QUALITY.

CONSTRUCTION NOTES

1 NEW TRACK OVAL WITH 8 X 42" LANES AND RADIUS TO MEASURE LINE OF 104.432'. ACO CHANNEL DRAIN WITH NAILER. CONSTRUCT AS PER DETAIL 1/D100. EXISTING ASPHALT BASE CAN BE RESUSED AS NEEDED

(2) CONSTRUCT RADIUS POINT AS PER DETAIL 3/D100.

(3) COMMON FINISH LINE 10M BEFORE PC.

COMBOXES WITH TWO (2) 2" DIAMETER, SCH 80 PVC CONDUITS. AS PER DETAIL 5/D103

5) CONCRETE CURB AS PER DETAIL 2/D100

HIGH JUMP AREA WITH MOVEABLE LANDING PAD

AND NO PAINTED LINES AS PER DETAILS 6/D103 & 7/D103

7 CHANNEL DRAIN AS PER DETAILS 6/D100 & 7/D100

8 POLE VAULT RUNWAY AS PER DETAIL 6/D101

9 CONSTRUCT POLE VAULT BOX AS PER DETAILS 2/D101 & 3/D101.

(10) LONG/TRIPLE JUMP RUNWAY AS PER DETAIL 4/D101

(11) NEW SAND PIT AS PER DETAILS 1/D101 & 5D101

FIVE PAINTED TAKEOFF LINES FOR LONG JUMP PER RUNWAY AT 8', 12', 24, 32', & 36'. TRIPLE JUMP WILL HAVE PAINTED LINES.

(13) STARTING LINE.

(14) REVERSE FINISH LINE.

FOOTBALL FIELD LAYOUT DIAGRAM AS PER DETAIL 4/D104

SOCCER FIELD LAYOUT DIAGRAM AS PER DETAIL 4/D105

SYNTHETIC TURF AS PER DETAIL 1/D103

(18) FIELD GRAPHIC

FIELD GOAL POST AND CONCRETE FOOTER AS PER DETAILS 2/D106, 3/D106 & 4/D106

8' H.T. CHAIN LINK FENCE AS PER DETAIL 1/D107 - HEIGHTS
MATCH EX. CONDITIONS

8' H.T. CHAIN LINK DOUBLE GATE AS PER DETAIL 2/D107 HEIGHTS MATCH EX. CONDITIONS

(22) 4' H.T. CHAIN LINK FENCE AS PER DETAIL 4/D107

23) 4' H.T. CHAIN LINK SINGLE GATE AS PER DETAIL 5/D107

(24) 4' H.T. CHAIN LINK DOUBLE GATE AS PER DETAIL 6/D107
(25) LOCATION WHERE 4' H.T. FENCING MEETS 8' H.T. FENCING.

PROPOSED SYNTHETIC TURF

PROPOSED PLAY CLOCK

26) CONCRETE SIDEWALK AS PER DETAIL 7/D107

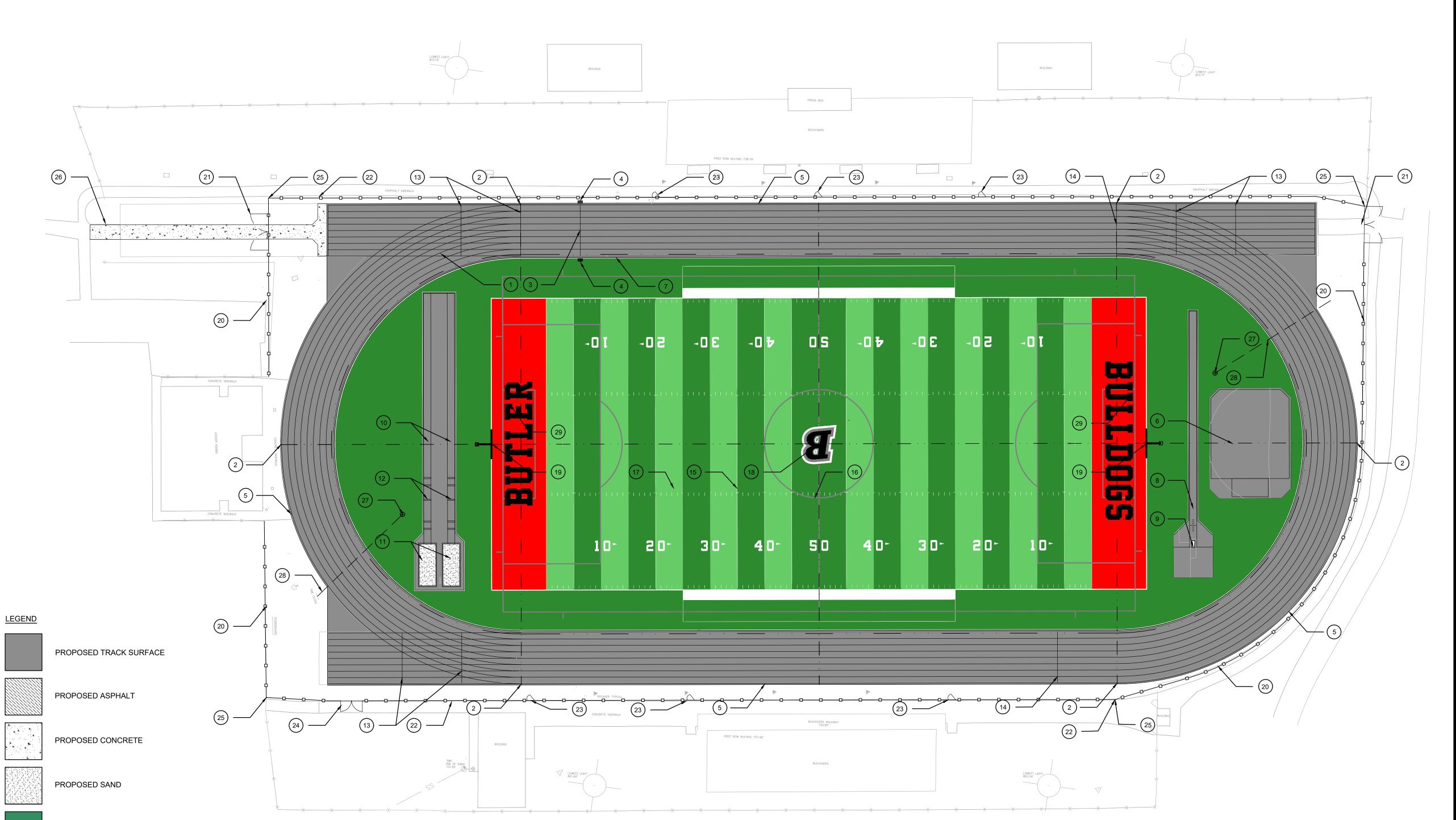
NEW PLAY CLOCKS (SEE SPEC) INCLUDES 1" SCH 80 CONDUIT TO POWER SOURCE. PROVIDE ALL ELECTRICAL WORK AND PERMITS PER CODE REQUIREMENTS LOCATION TO BE VERIFIED BY OWNER BEFORE CONSTRUCTION.

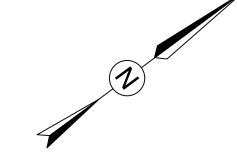
PLAY CLOCK CONDUIT 150 LF TOTAL - 1" SCH 80. TO EX. PLAY CLOCK POWER SOURCE. DEMO OLD PLAY CLOCKS

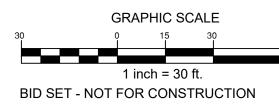
29 END ZONE LETTERS TO BE BLACK WITH 4" SILVER OUTLINE. SHOP DRAWINGS REQUIRED.



CONTRACTOR SHALL NOTIFY "NORTH CAROLINA ONE CALL" (811) OR 1-800-632-4949) AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR DWN LOCATOR SERVICES INDEPENDENT OF "NORTH CAROLINA ONE CALL". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.







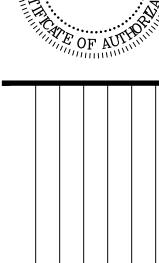
FITFIELDS

314 TOM HALL ST.
FORT MILL, SC

803.981.4330









CHARLOTTE MECI

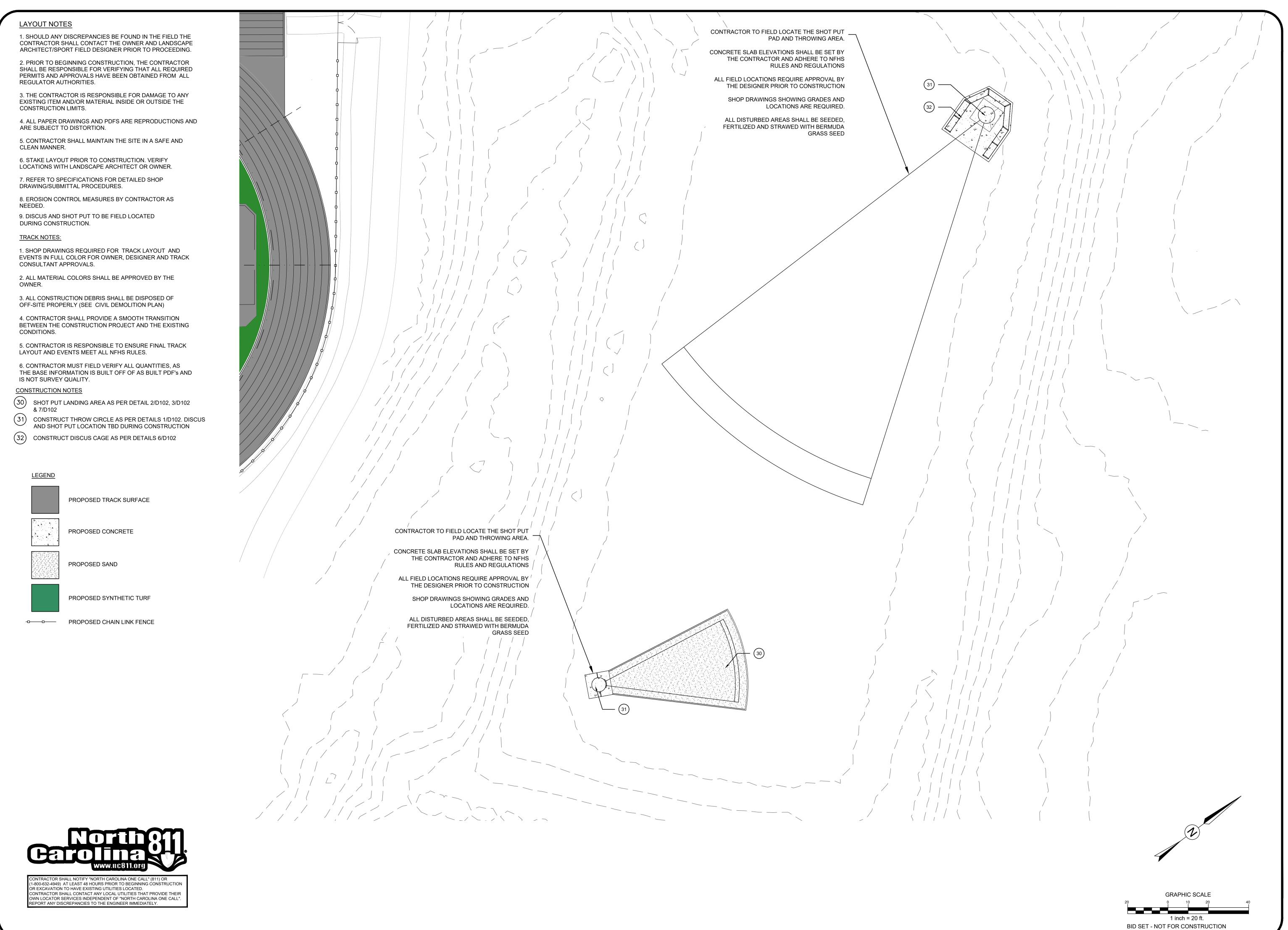
HIGH SCHOOL SYNTHETIC ND TRACK RENOVATIONS

SCALE: 1" = 30'-0"

DATE: 3-12-25

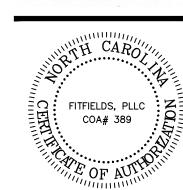
SHEET NAME:

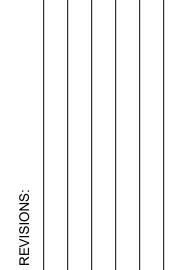
LAYOUT PLAN



314 TOM HALL ST. FORT MILL, SC 803.981.4330 FITFIELDS.com







HARLOTTE MECKLENBURG
BOARD OF EDUCATION
POST OFFICE BOX 30035
CHARLOTTE, NC 28230

CHARLOTT
BOARD
POST C

HIGH SCHOOL SYNTHET
ND TRACK RENOVATION
810 MATTHEWS-MINT HILL ROAD

SCALE: 1" = 20'-0"

DATE: 3-12-25

SHEET NAME:

THROWING EVENTS LAYOUT PLAN

#### LAYOUT NOTES

1. SHOULD ANY DISCREPANCIES BE FOUND IN THE FIELD THE CONTRACTOR SHALL CONTACT THE OWNER AND LANDSCAPE ARCHITECT/SPORT FIELD DESIGNER PRIOR TO PROCEEDING.

2. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED FROM ALL REGULATOR AUTHORITIES.

3. THE CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING ITEM AND/OR MATERIAL INSIDE OR OUTSIDE THE CONSTRUCTION LIMITS.

4. ALL PAPER DRAWINGS AND PDFS ARE REPRODUCTIONS AND ARE SUBJECT TO DISTORTION.

5. CONTRACTOR SHALL MAINTAIN THE SITE IN A SAFE AND CLEAN MANNER.

6. STAKE LAYOUT PRIOR TO CONSTRUCTION. VERIFY LOCATIONS WITH LANDSCAPE ARCHITECT OR OWNER.

7. REFER TO SPECIFICATIONS FOR DETAILED SHOP DRAWING/SUBMITTAL PROCEDURES.

8. EROSION CONTROL MEASURES BY CONTRACTOR AS NEEDED.

#### **DIMENSION NOTES:**

1. ALL DIMENSIONS ARE IN DECIMAL FEET.

2. LONG/TRIPLE JUMP SAND PIT DIMENSIONS ARE TO THE CENTER LEADING EDGE OF THE PIT SAND AS PER DETAIL 1/D101.

3. POLE VAULT BOX DIMENSIONS ARE TO CENTER OF BACK EDGE OF THE VAULT BOX AS PER DETAIL 2/D101.

4. RADIUS POINT DIMENSIONS ARE TO CENTER OF THE POINT.

5. ALL OTHER DIMENSIONS ARE TO FACE OF CONCRETE.

6. REFER TO TRACK LAYOUT PLAN FOR PROPOSED SURFACES AND ADDITIONAL CALL OUTS.

7. FOOTBALL AND SOCCER FIELDS ARE CENTERED INSIDE THE TRACK OVAL AND THE CONTRACTOR IS RESPONSIBLE TO INSTALLING THE FOOTBALL GOAL POST IN THEIR PROPER LOCATION.

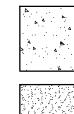
8. THE COMM. BOX LOCATED OUTSIDE THE TRACK OVAL IS ADJACENT TO THE OUTSIDE CONCRETE CURB AND THE COMM. BOX INSIDE THE TRACK OVAL IS ADJACENT TO THE CHANNEL DRAIN OR CONCRETE CURB.

9. LOCATE ALL EVENTS VIA SURVEY COORDINATES VERIFY ALL EVENT LOCATIONS MEET PLAN REQUIREMENTS





PROPOSED TRACK SURFACE



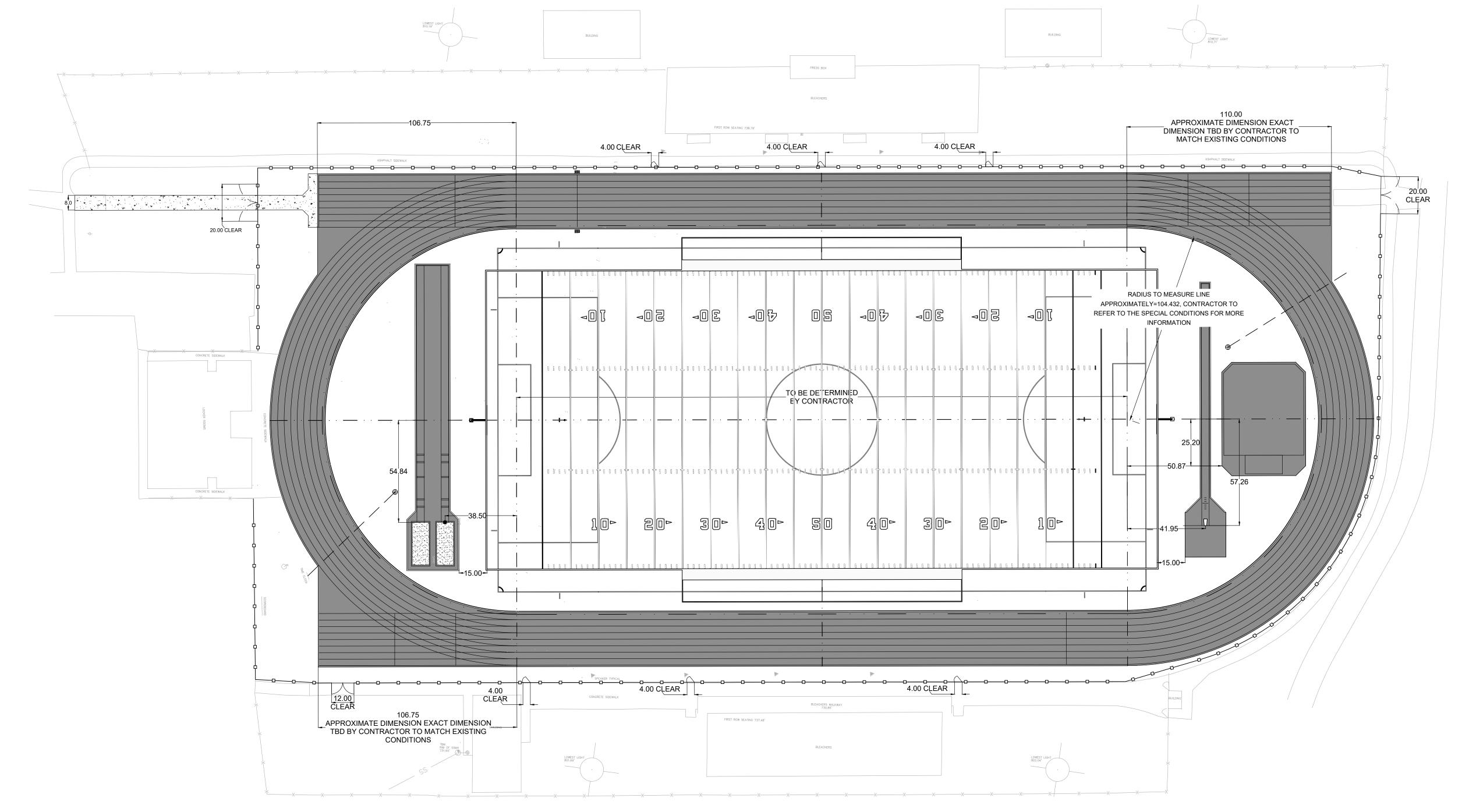
PROPOSED CONCRETE

PROPOSED SAND

------ PROPOSED CHAIN LINK FENCE

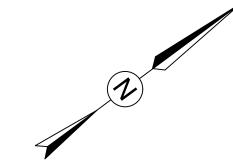


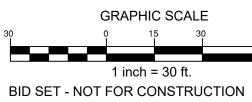
PROPOSED PLAY CLOCK





CONTRACTOR SHALL NOTIFY "NORTH CAROLINA ONE CALL" (811) OR (1-800-632-4949) AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NORTH CAROLINA ONE CALL" EPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.





SHEET NAME: DIMENSION PLAN

SHEET NO:

SCALE: 1" = 30'-0"

DATE: 3-12-25

**FITFIELDS** 

314 TOM HALL ST.

FORT MILL, SC 803.981.4330

FITFIELDS, PLLC

COA# 389

#### **GENERAL CONSTRUCTION NOTES:**

1. CONTRACTOR SHALL CALL NC 811 BEFORE DIGGING

2. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE UNTIL PROJECT COMPLETION AND FINAL STABILIZATION

3. ALL CONTRACTORS TO HAVE APPROPRIATE BUSINESS LICENSES FOR WORK AT HAND

4. CONTRACTOR TO VERIFY DIMENSIONS PRIOR TO CONSTRUCTION.

5. ALL CONTOURS AND SPOT ELEVATIONS TO REFLECT FINISHED GRADE

6. ALL FILL FOR HARDSCAPE TO BE COMPACTED TO ASTM 95% COMPACTION UNLESS OTHERWISE DIRECTED.

7. ALL FILL FOR LANDSCAPE AREA TO BE COMPACTED TO ASTM 85% COMPACTION UNLESS OTHERWISE DIRECTED.

8. CONTRACTOR TO VERIFY POSITIVE DRAINAGE AND ADA ACCESSIBILITY ON ALL HARDSCAPE

9. ALL HARDSCAPE PEDESTRIAN AREAS NOT TO EXCEED A 2% CROSS SLOPE

10. SURVEY BENCHMARK TO BE VERIFIED BEFORE GRADING **BEGINS** 

11. CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL TRACK GRADES FOR NFHS COMPLIANCE.

12. FINISHED GRADE FOR THE SYNTHETIC TURF IS TOP OF INFILL.

#### <u>LEGEND</u>

PROPOSED CONCRETE



PROPOSED SAND

PROPOSED CHAIN LINK FENCE

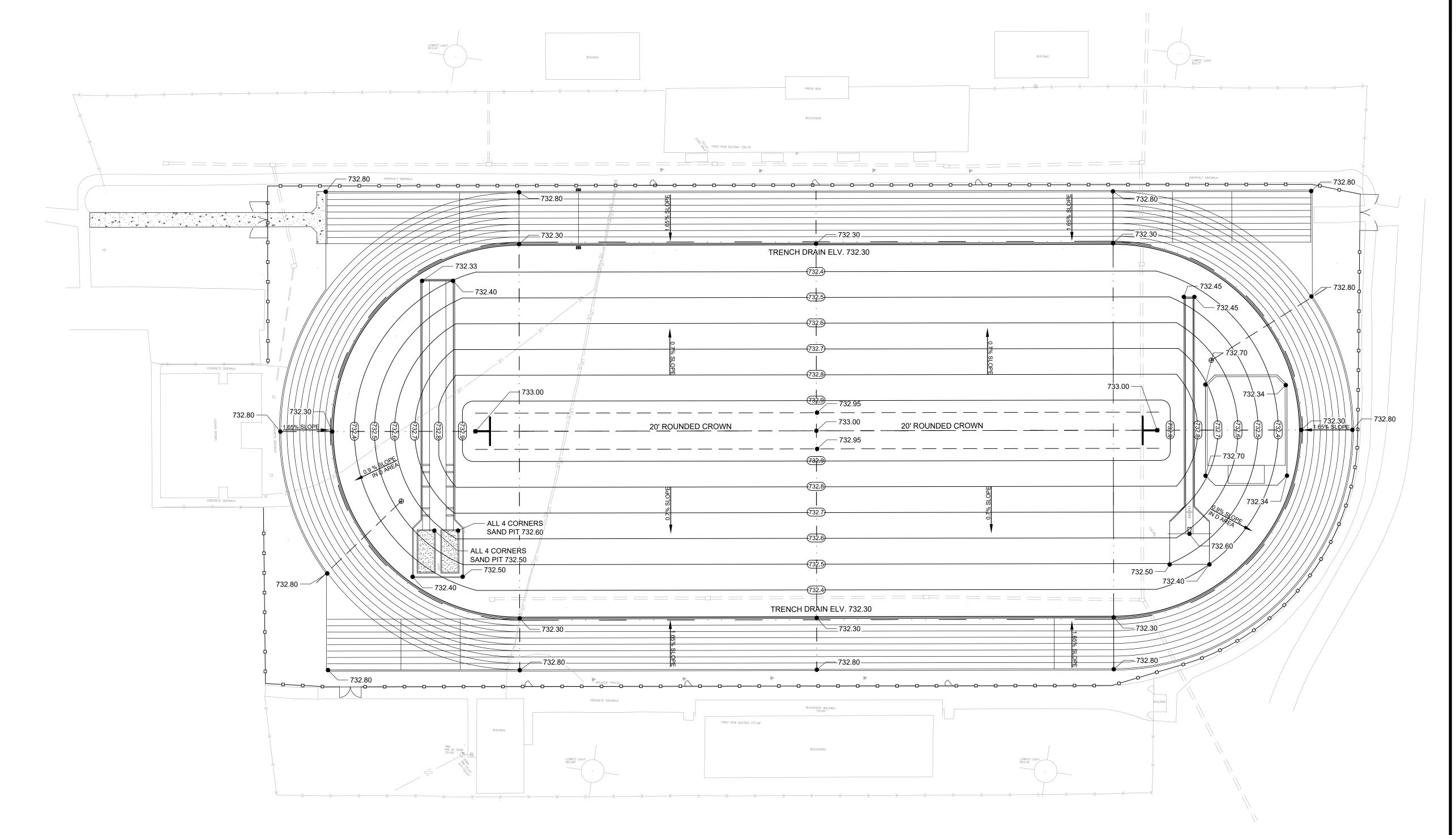
PROPOSED PLAY CLOCK

--118.0--

SLOPE DIRECTION

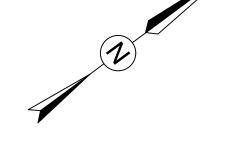
PROPOSED 1' CONTOUR EXISTING 1' CONTOUR

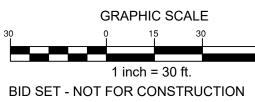
XXX.XX PROPOSED SPOT ELEVATION





CONTRACTOR SHALL NOTIFY "NORTH CAROLINA ONE CALL" (811) OR (1-800-632-4949) AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NORTH CAROLINA ONE CALL". EPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.

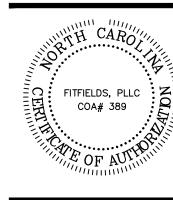


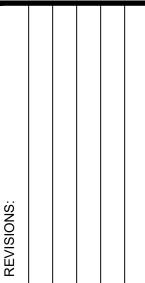












SCALE: 1" = 30'-0" DATE: 3-12-25

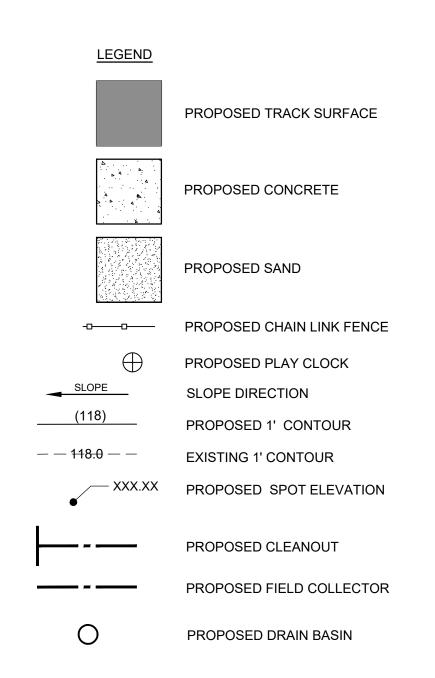
SHEET NAME:

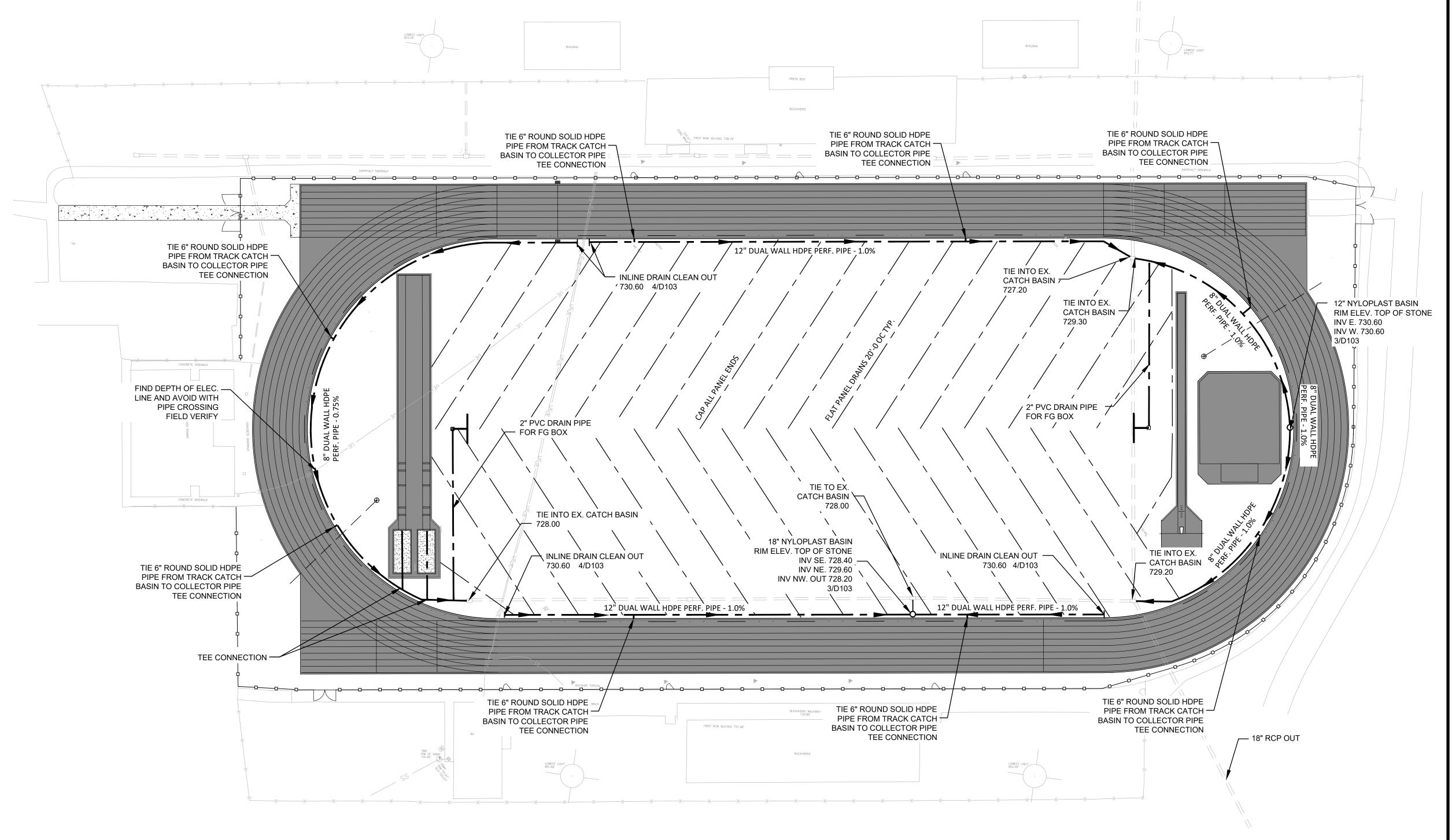
**GRADING PLAN** 

#### **GENERAL CONSTRUCTION NOTES:**

- 1. CONTRACTOR SHALL CALL NC 811 BEFORE DIGGING
- 2. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE UNTIL PROJECT COMPLETION AND FINAL STABILIZATION
- 3. ALL CONTRACTORS TO HAVE APPROPRIATE BUSINESS LICENSES FOR WORK AT HAND
- 4. CONTRACTOR TO VERIFY DIMENSIONS PRIOR TO CONSTRUCTION.
- 5. ALL CONTOURS AND SPOT ELEVATIONS TO REFLECT FINISHED GRADE
- 6. ALL FILL FOR HARDSCAPE TO BE COMPACTED TO ASTM 95% COMPACTION UNLESS OTHERWISE DIRECTED.
- 7. ALL FILL FOR LANDSCAPE AREA TO BE COMPACTED TO ASTM 85% COMPACTION UNLESS OTHERWISE DIRECTED.
- 8. CONTRACTOR TO VERIFY POSITIVE DRAINAGE AND ADA ACCESSIBILITY ON ALL HARDSCAPE
- 9. ALL HARDSCAPE PEDESTRIAN AREAS NOT TO EXCEED A 2% CROSS SLOPE
- 10. SURVEY BENCHMARK TO BE VERIFIED BEFORE GRADING
- BEGINS

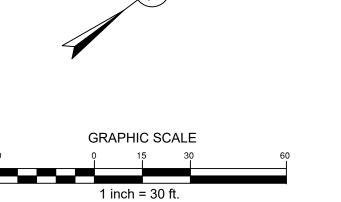
  14. CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL
- 11. CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL TRACK GRADES FOR NFHS COMPLIANCE.
- 12. FINISHED GRADE FOR THE SYNTHETIC TURF IS TOP OF INFILE







CONTRACTOR SHALL NOTIFY "NORTH CAROLINA ONE CALL" (811) OR (1-800-632-4949) AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED.
CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NORTH CAROLINA ONE CALL". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.



BID SET - NOT FOR CONSTRUCTION

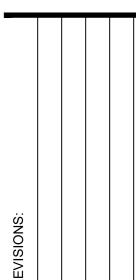


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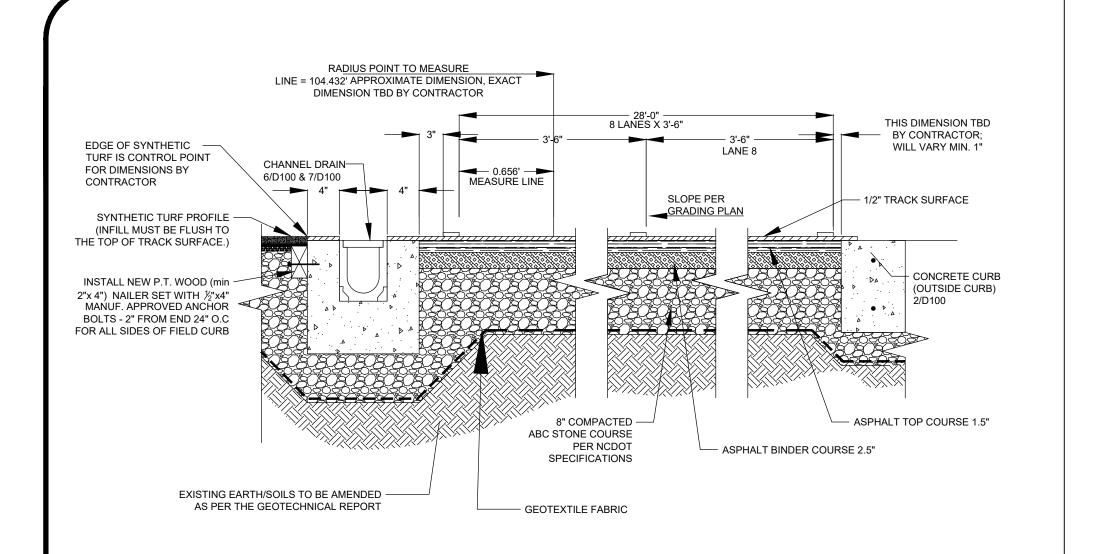
IIGH SCHOOL SYNTHETIC D TRACK RENOVATIONS

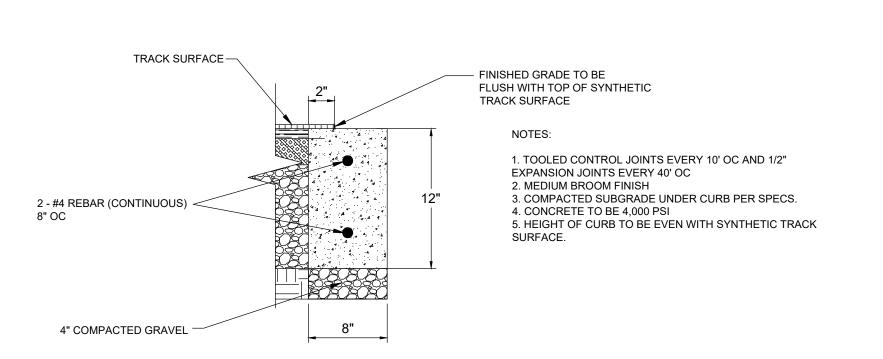
SCALE: 1" = 30'-0"

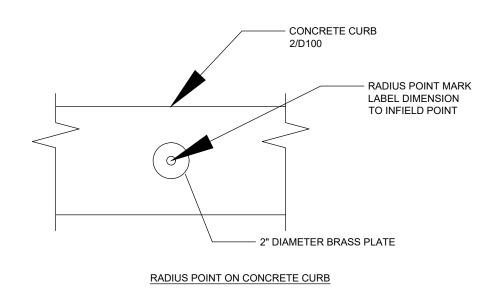
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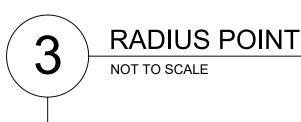
DRAINAGE PLAN





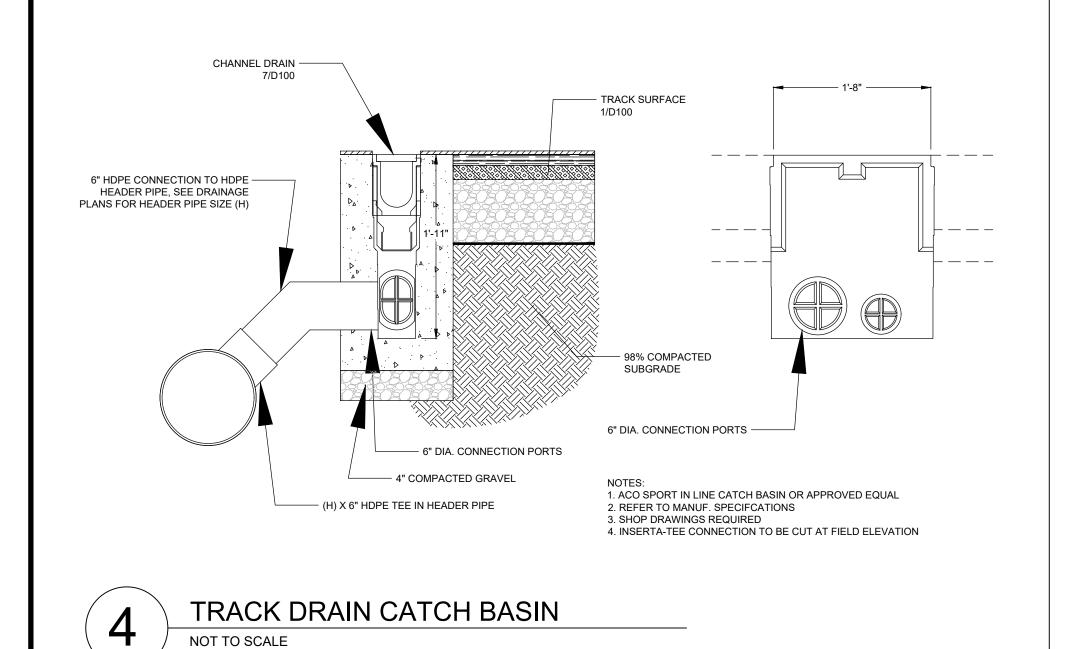


PROVIDE LOCATION PINS IN OUTSIDE CONCRETE CURBS AT 4 POINTS OF CURVATURE (PC'S) AND APEX OF BOTH TURNS (SEE

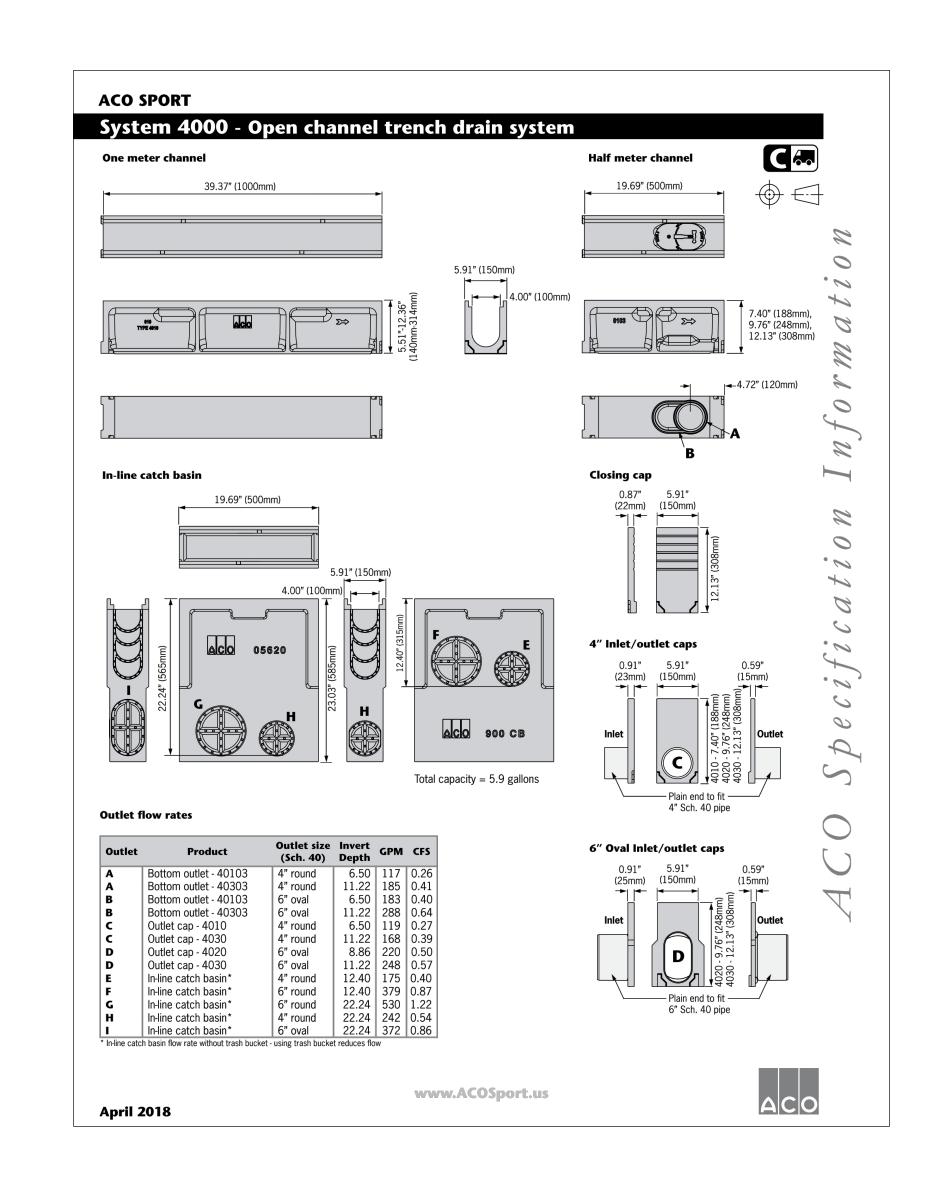


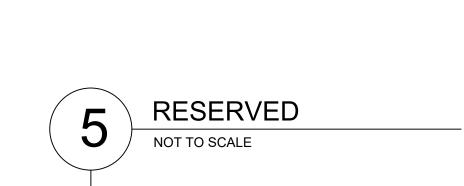
TRACK PAVEMENT SECTION NOT TO SCALE









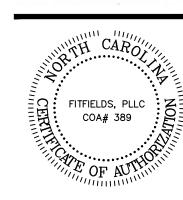






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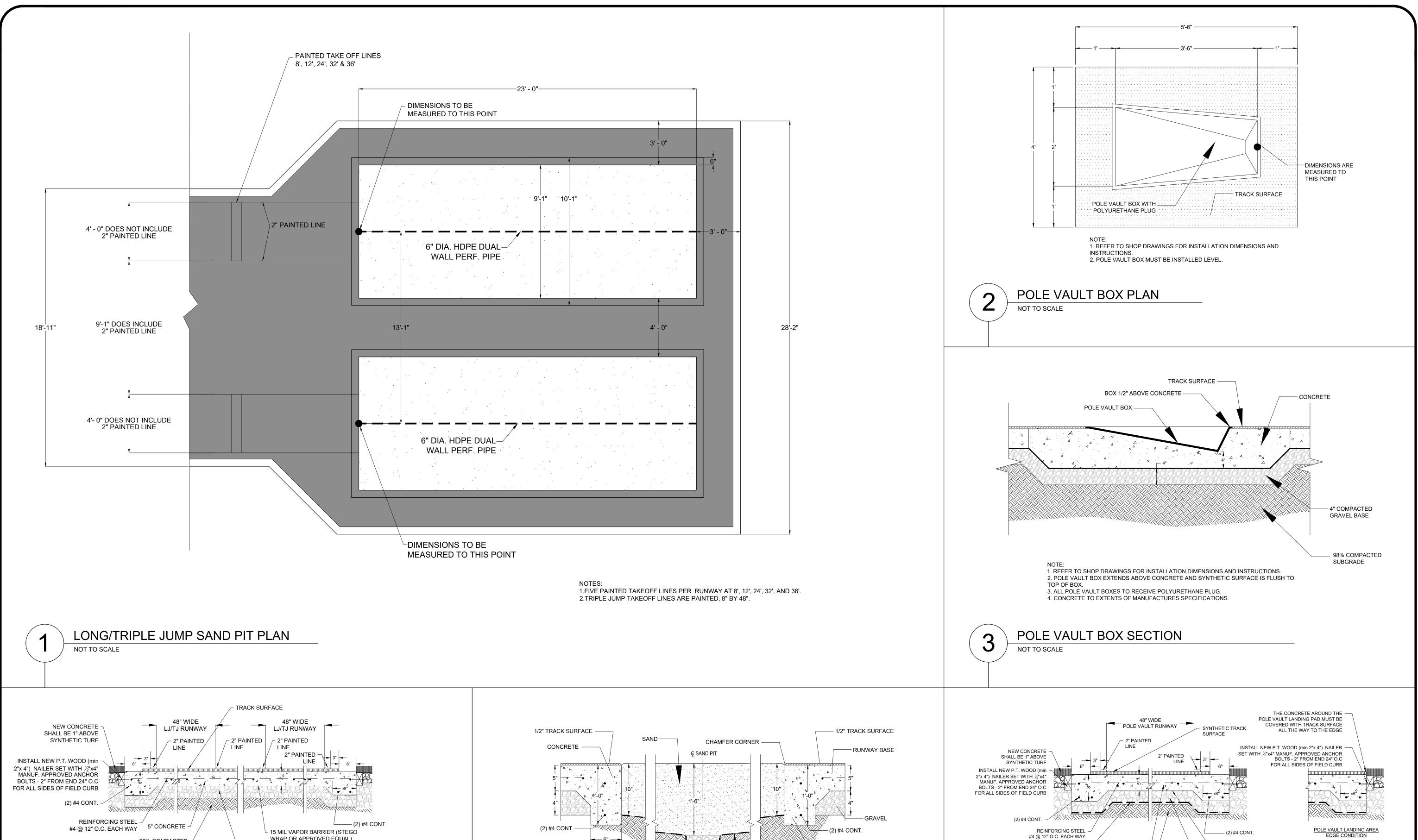


SCALE: NTS DATE: 3-12-25 SHEET NAME:

**DETAILS** 

SHEET NO:

BID SET - NOT FOR CONSTRUCTION



3/8" DIA WASHED ANGULAR STONE

CONNECT 6" HDPE

STORM PIPE

98% COMPACTED\_

LONG/TRIPLE JUMP SANDPIT SECTION

SUBGRADE

DUAL WALL PERF. PIPE TO

ENSURE STONE BRIDGES WITH SAND

CONCRETE

GEOTEXTILE FILTER

DIMENSIONS AND INSTRUCTIONS.

1. ALL DRAWINGS DEPICTING IN-GROUND EQUIPMENTS ARE FOR

BIDDING ONLY. REFER TO SHOP DRAWINGS FOR INSTALLATION

WRAP OR APPROVED EQUAL)

└ 4" COMPACTED GRAVEL BASE

1. FOR ALL CONCRETE PADS AND RUNWAYS, CONTRACTOR TO PROVIDE CONTROL/EXPANSION

5. CONCRETE MIX TO BE DELEGATED BY MANUFACTURER TO ENSURE APPROVAL WITH THE

SYNTHETIC TRACK SURFACING REQUIREMENTS SET FORTH BY THE TRACK MANUFACTURER.

JOINTS SHOP DRAWING PER MANUFACTURERS RECOMMENDATION/SPECIFICATION.

2. ALL CONCRETE JOINT PLANS TO BE SUBMITTED AS SHOP DRAWINGS FOR REVIEW.

6. ALL SEPARATE POURS MUST BE DOWELED TOGHETHER WITH #4 REBAR

LONG/TRIPLE JUMP RUNWAY SECTION

98% COMPACTED -

4. NO FLY ASH IN CONCRETE.

NOT TO SCALE

PLEASE SUBMIT MIX FOR REVIEW.

SUBGRADE

3. RUNWAY TO BE A CONTINUOUS CONCRETE POUR

─ 15 MIL VAPOR BARRIER (STEGO)

- 4" COMPACTED GRAVEL BASE

WRAP OR APPROVED EQUAL)

BID SET - NOT FOR CONSTRUCTION

5" CONCRETE -

98% COMPACTED -

SUBGRADE

PLEASE SUBMIT MIX FOR REVIEW.

5. ALL SEPARATE POURS MUST BE DOWELED TOGHETHER WITH #4 REBAR

NOTES:

1. FOR ALL CONCRETE PADS AND RUNWAYS, CONTRACTOR TO PROVIDE CONTROL/EXPANSION JOINTS SHOP DRAWING PER MANUFACTURERS RECOMMENDATION/SPECIFICATION.

2. ALL CONCRETE JOINT PLANS TO BE SUBMITTED AS SHOP DRAWINGS FOR REVIEW.

3. NO FLY ASH IN CONCRETE.

4. CONCRETE MIX TO BE DELEGATED BY MANUFACTURER TO ENSURE APPROVAL WITH THE SYNTHETIC TRACK SURFACING REQUIREMENTS SET FORTH BY THE TRACK MANUFACTURER. PI FASE SLIBMIT MIX FOR REVIEW.

GEOTEXTILE -

POLE VAULT RUNWAY

**FITFIELDS** 

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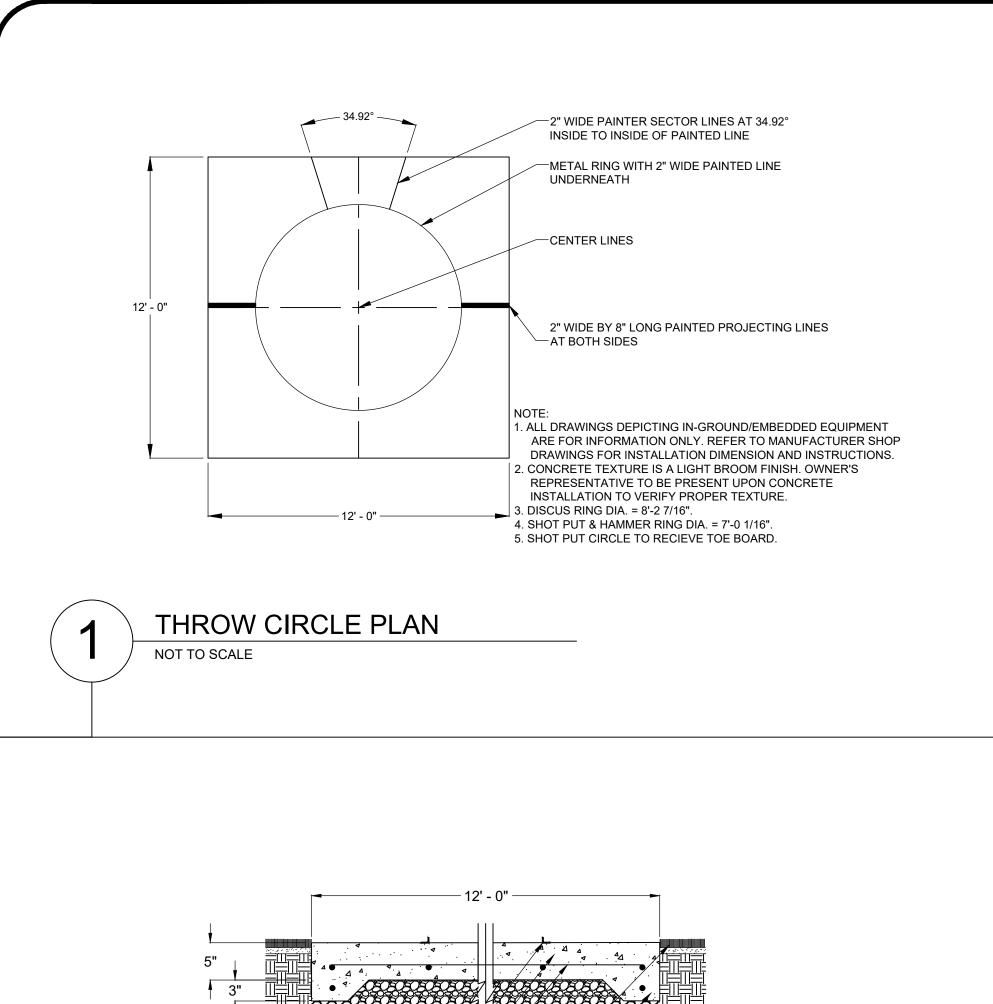
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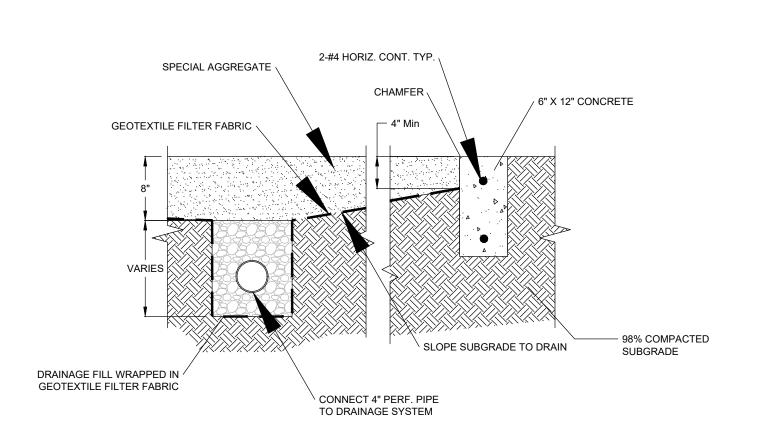
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COA# 389

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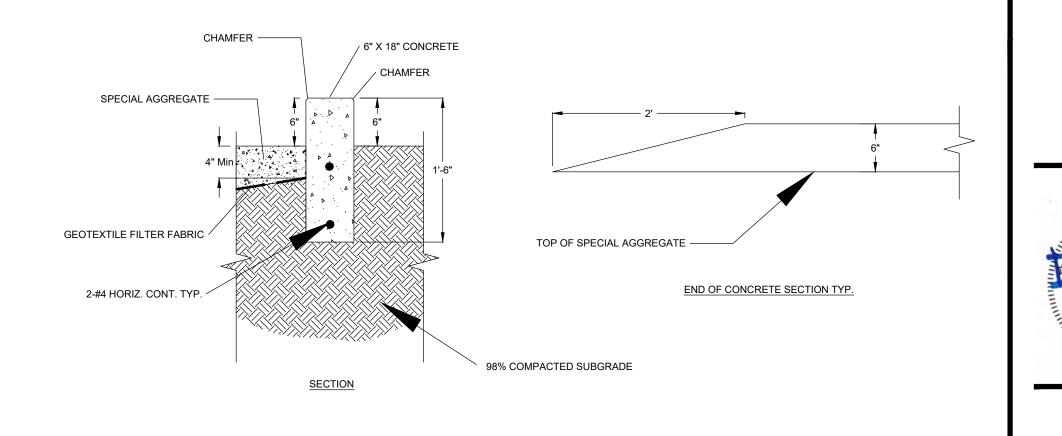
**DETAILS** 



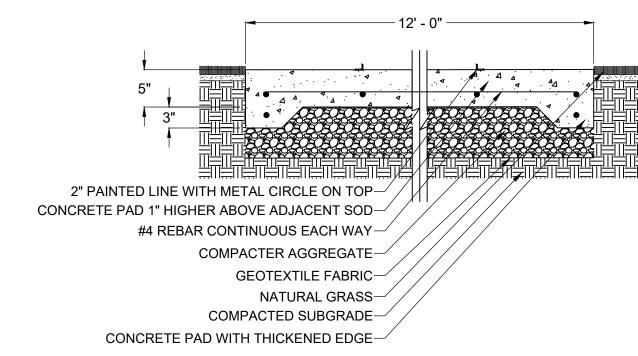


SHOT PUT SIDE SECTION

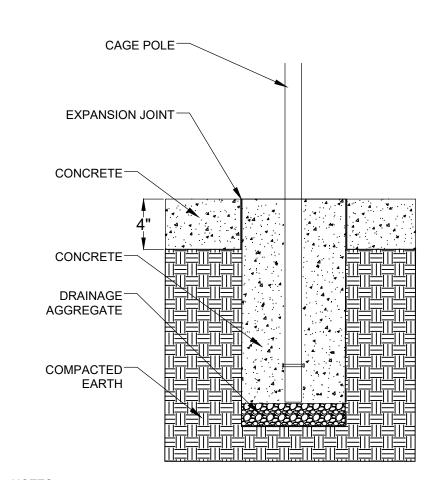
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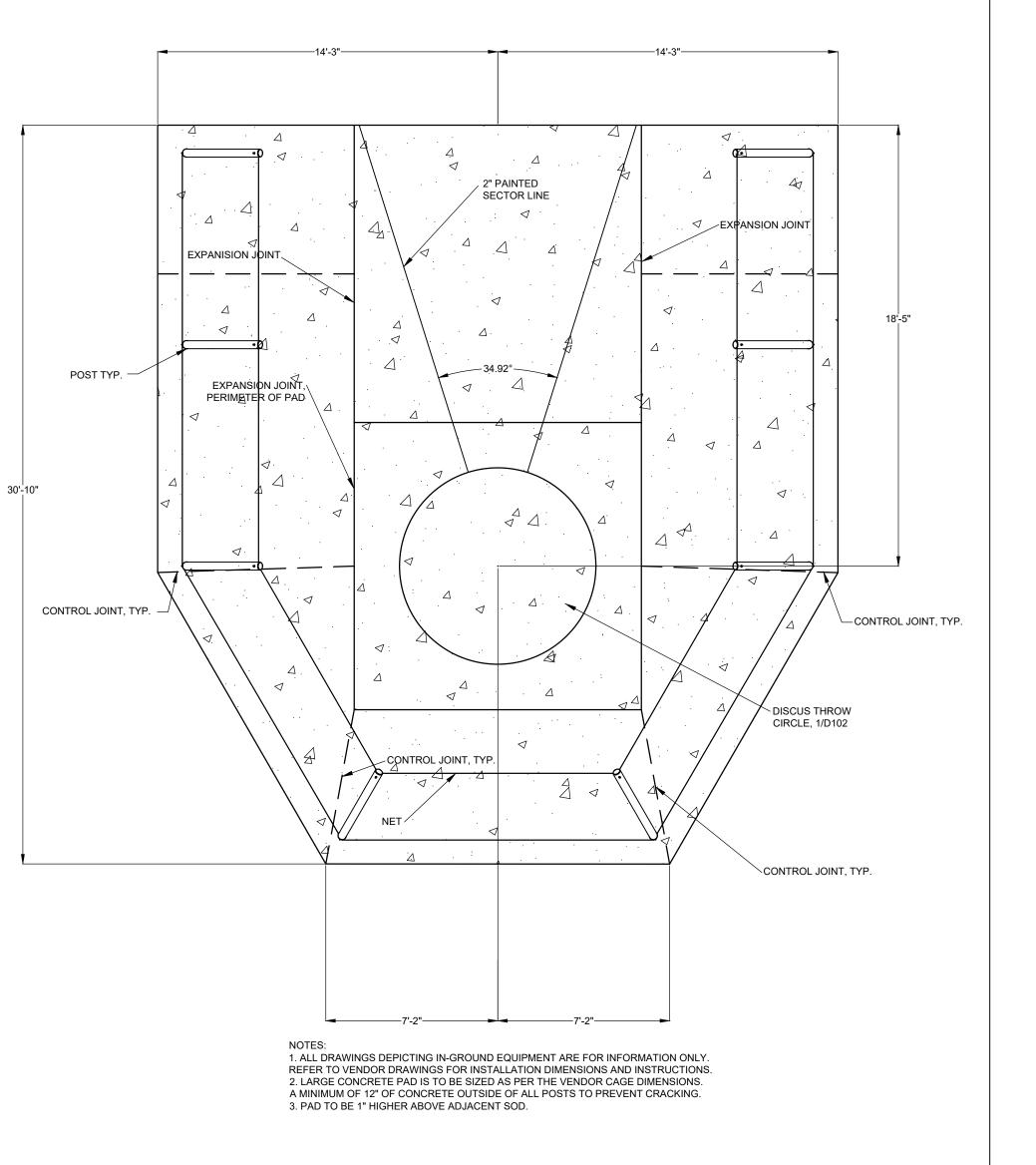


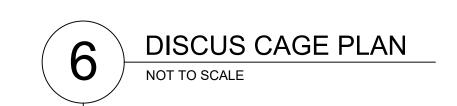


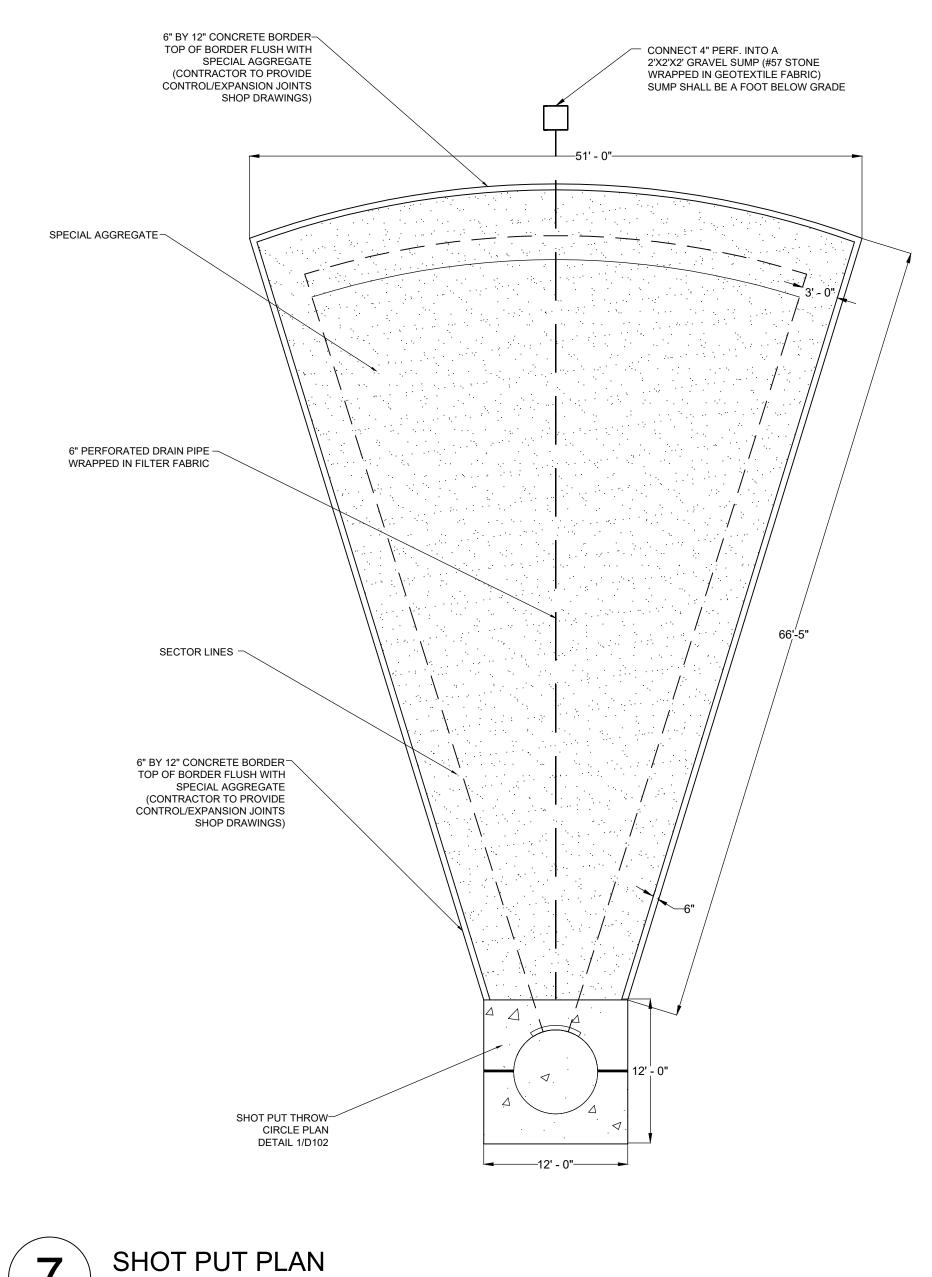


1. ALL DRAWINGS DEPICTING IN-GROUND/EMBEDDED EQUIPMENT ARE FOR INFORMATION ONLY. VENDOR SHOP DRAWING FOR DIMENSIONS AND INSTALLATION INSTRUCTIONS.









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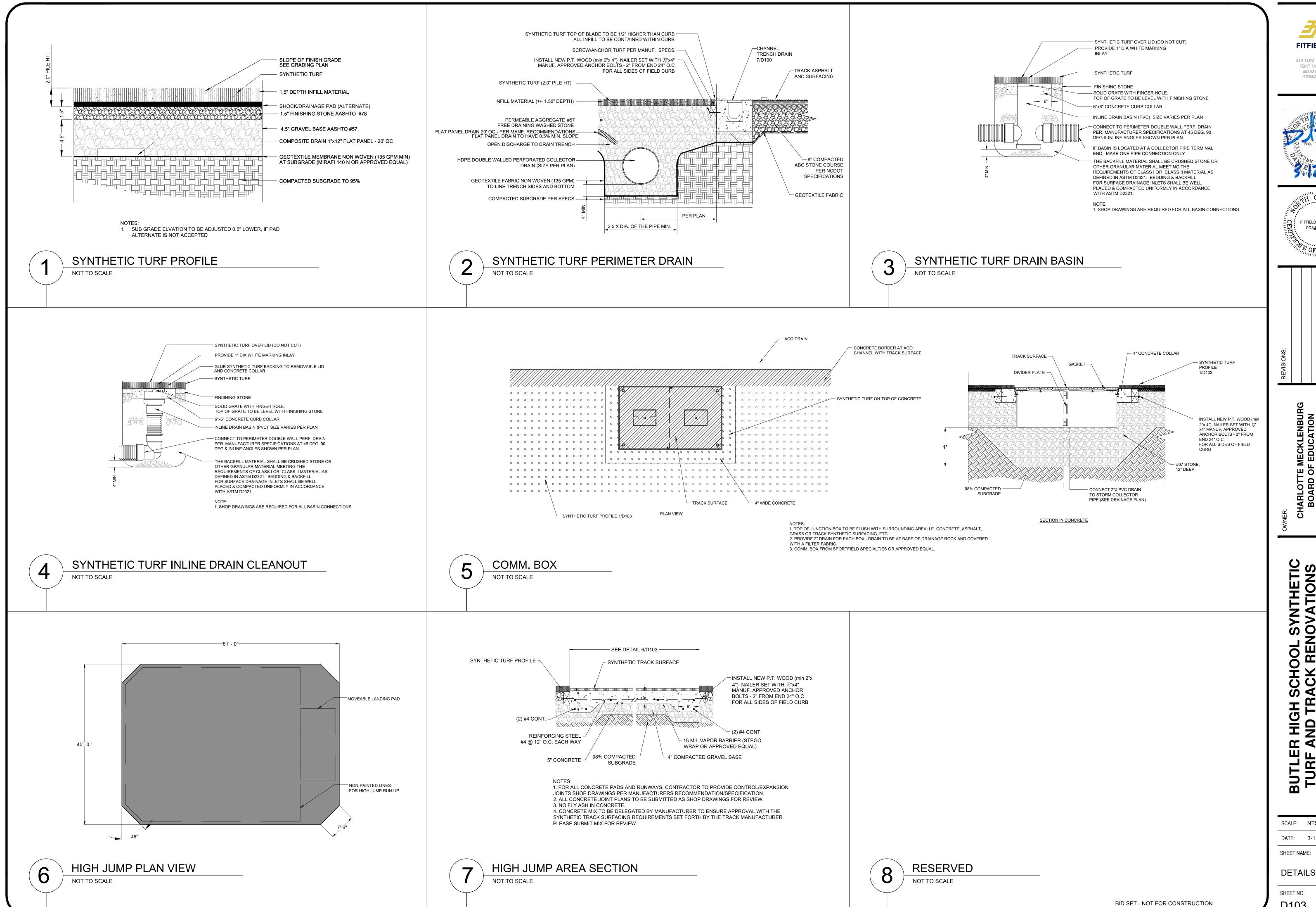
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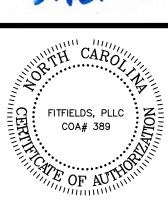
**DETAILS** 

BID SET - NOT FOR CONSTRUCTION



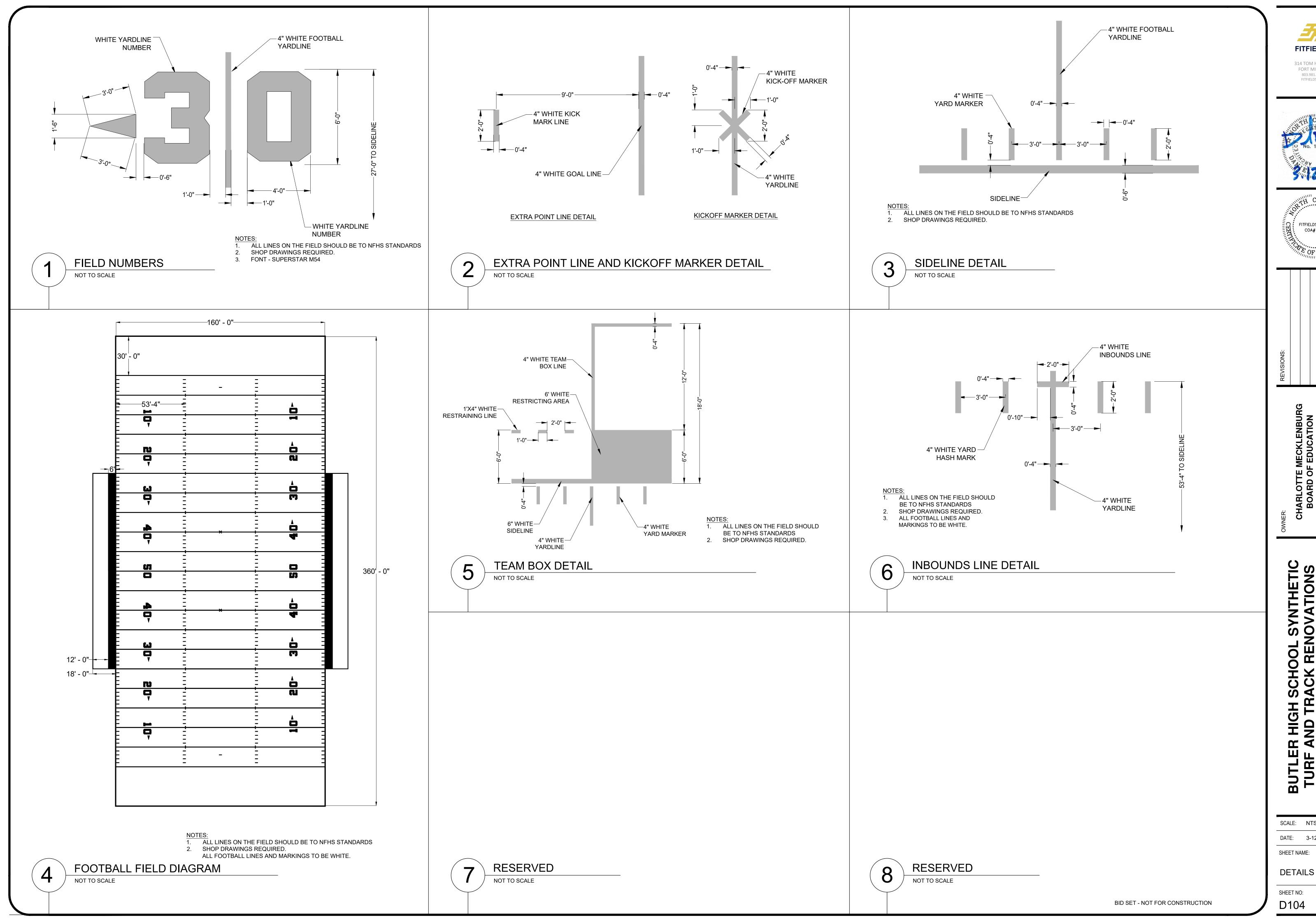
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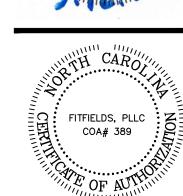
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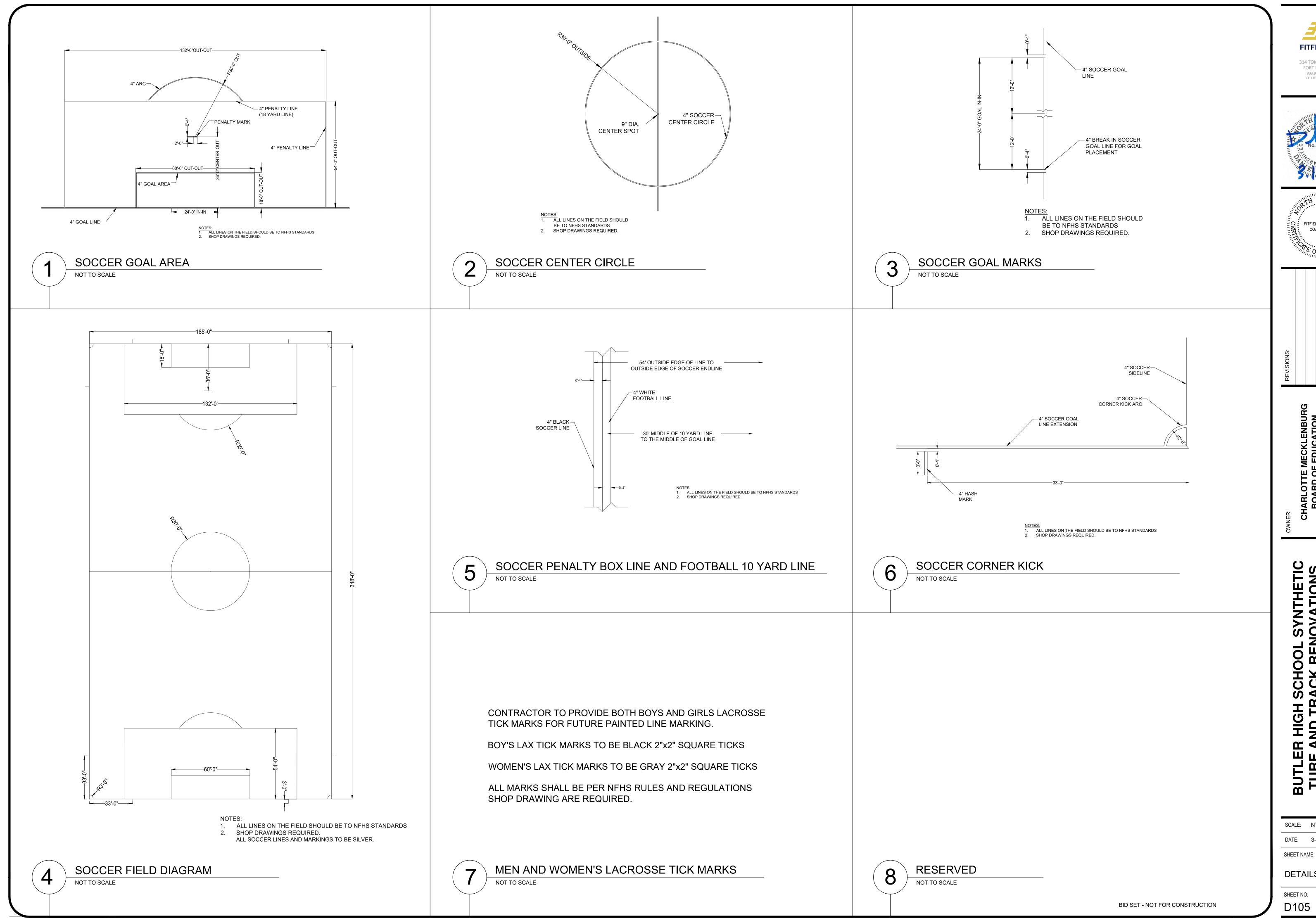




BUTLER HIGH SCHOOL SYNTHETIC
TURF AND TRACK RENOVATIONS
1810 MATTHEWS, NC 28105
MATTHEWS, NC 28105

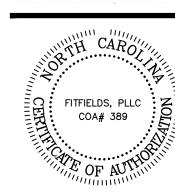
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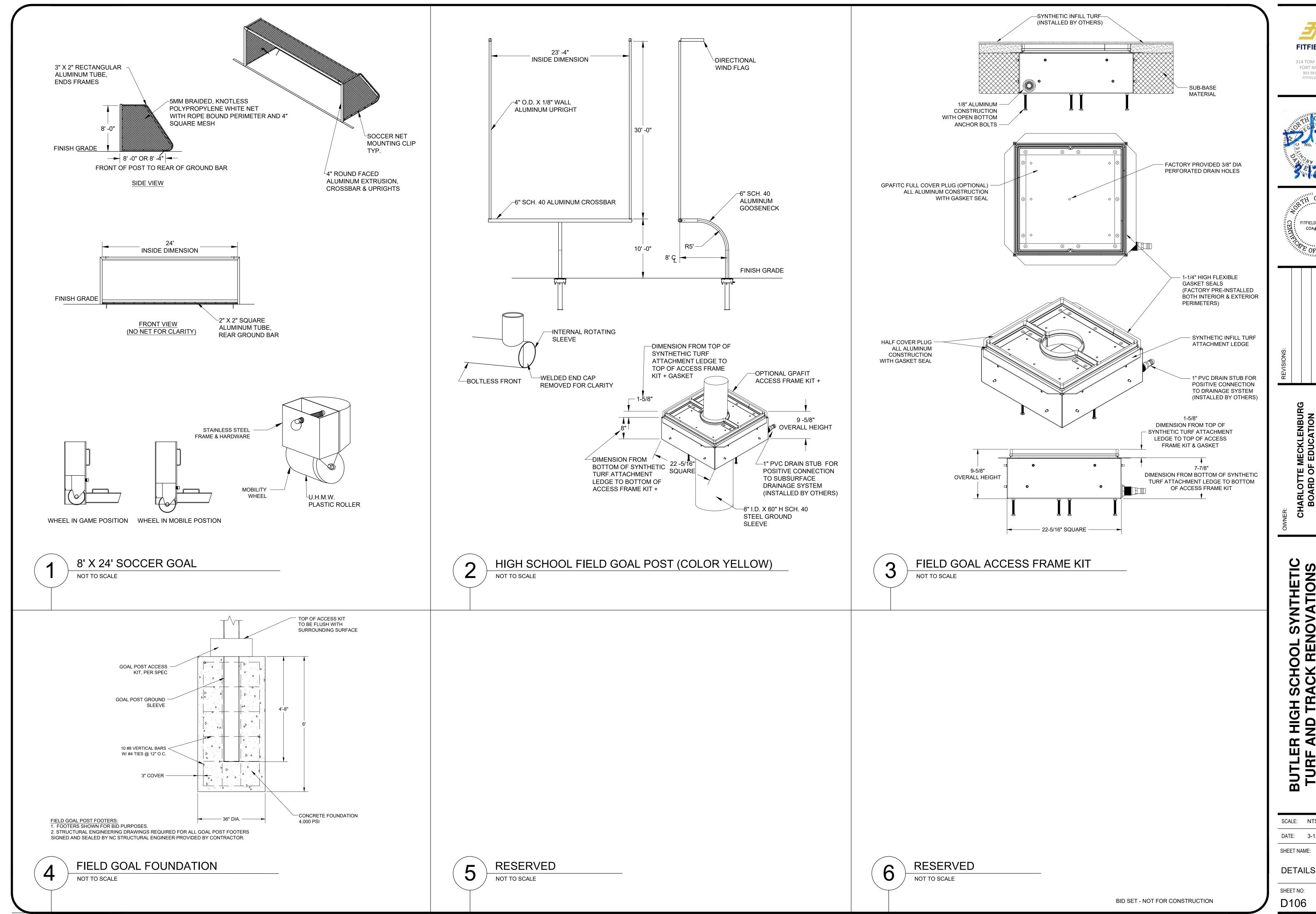
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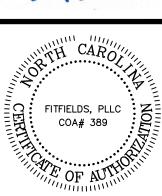
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DETAILS



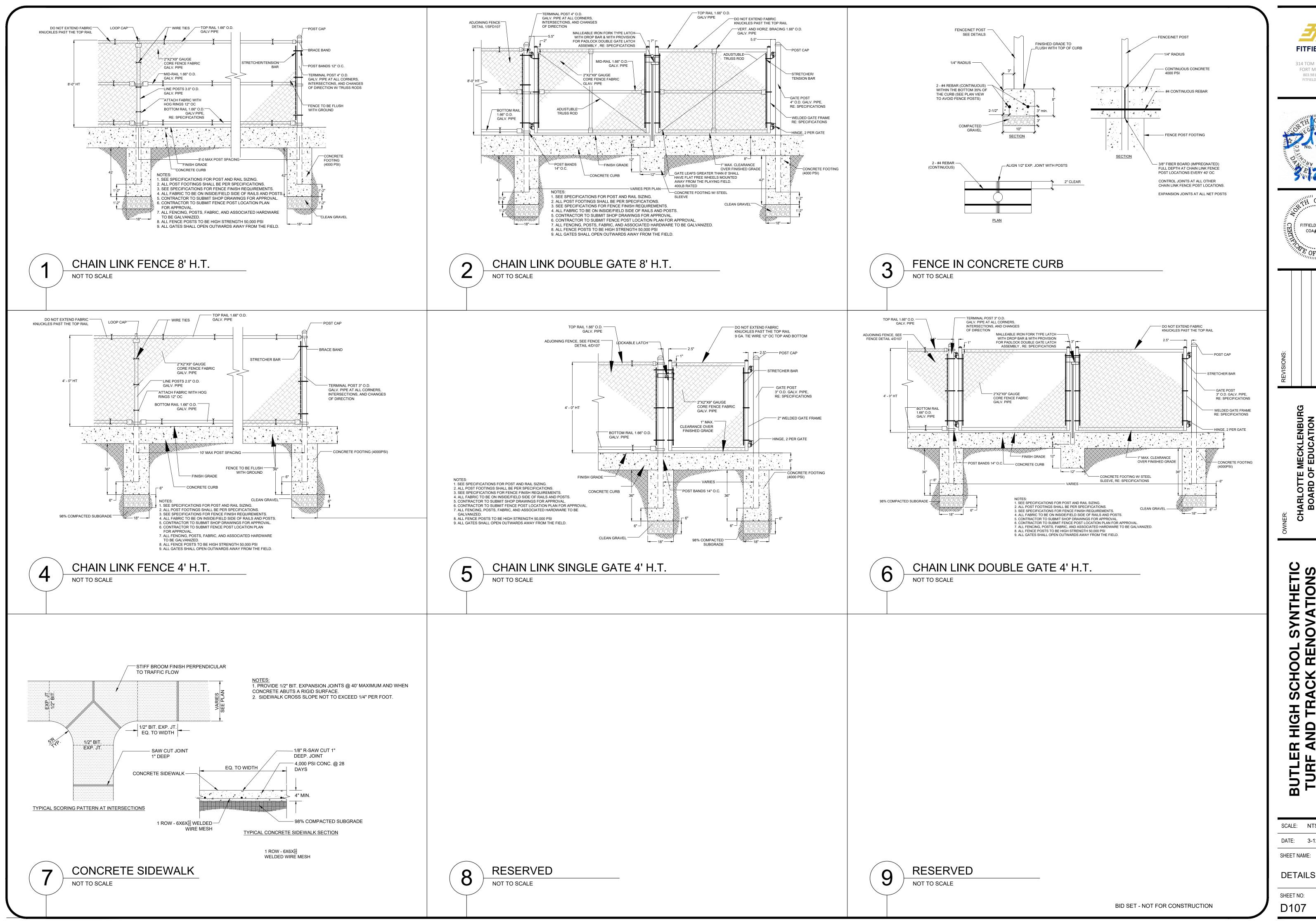
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