

100% CONSTRUCTION DOCUMENTS
SOUTH PUTNAM HS TRACK AND FIELD RENOVATION

1780 EAST U.S. HIGHWAY 40
GREENCASTLE, IN 46135

222152.06

01/30/2024

OWNER
**SOUTH PUTNAM
COMMUNITY
SCHOOL
CORPORATION**



ARCHITECT
**FANNING HOWEY
ASSOCIATES INC.**
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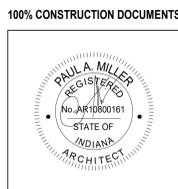
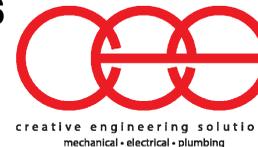


SITE / CIVIL ENGINEER
HWC ENGINEERING
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HWC
ENGINEERING

ELECTRICAL ENGINEER
CREATIVE ENGINEERING SOLUTIONS
201 S. RURAL STREET, SUITE 210
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317-748-5252



PROJECT NUMBER: 222152.06
PROJECT ISSUE DATE: 01/30/2024

COVER SHEET

VOLUME A



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GRAPHIC SCALE
0' 30' 60' 90'
(IN FEET)

LEGEND:

- | | |
|---|--|
| <ul style="list-style-type: none"> ● MONUMENT - BENCHMARK ○ MONUMENT - CAPPED REBAR ⊙ MONUMENT - CENTERLINE MON. ⊠ MONUMENT - CONCRETE MON./POST ⊞ MONUMENT - CUT X ⊙ MONUMENT - MAG NAIL/PK NAIL ○ MONUMENT - REBAR/PIN/PIPE (NO CAP) △ MONUMENT - SECTION CORNER □ SITE - A/C UNIT ⊙ SITE - ANTENNA ○ SITE - BOLLARD ⊙ SITE - POST, FENCE POST ⊙ SITE - FLAG POLE ⊙ SITE - MAILBOX ○ SITE - MISC. OBJECT (SEE LABEL) ⊙ SITE - PARKING METER ⊙ SITE - RAILROAD SIGNAL/GATE ⊙ SITE - SATELLITE DISH ⊙ SITE - SIGN ⊙ SITE - SOIL BORING ☀ TREE - CONIFEROUS ☀ TREE - DECDUOUS ☀ TREE - MULTI-TRUNK ○ SHRUB — GUARDRAIL — ELECTRIC (UNDERGROUND) — TELEPHONE (UNDERGROUND) — WATERLINE (UNDERGROUND) — FIBER OPTIC (UNDERGROUND) — STORM SEWER — SANITARY SEWER — OVERHEAD UTILITY (ELECTRIC/FIBER) — FLOWLINE | <ul style="list-style-type: none"> ⊙ CABLE PEDESTAL ⊙ CABLE MARKER POST ⊙ ELECTRIC ACCESS COVER ⊙ ELECTRIC MANHOLE ⊙ ELECTRIC MARKER POST ⊙ ELECTRIC METER ⊙ ELECTRIC PANEL/PEDESTAL ⊙ ELECTRIC TRANSFORMER ⊙ FIBER OPTIC ACCESS/MANHOLE ⊙ FIBER OPTIC MARKER POST ⊙ GAS ACCESS/MANHOLE ⊙ GAS MARKER POST ⊙ GAS METER ⊙ GAS VALVE ⊙ LIGHT POLE/AREA LIGHT ⊙ SANITARY MANHOLE ⊙ SEWER CLEANOUT ⊙ STORM INLET - BEEHIVE/ROUND ⊙ STORM INLET - CURB/SQUARE ⊙ STORM MANHOLE ⊙ STORM PIPE END SECTION ⊙ TELEPHONE MANHOLE ⊙ TELEPHONE MARKER POST ⊙ TELEPHONE PANEL/PEDESTAL ⊙ TRAFFIC CONTROL BOX ⊙ TRAFFIC MANHOLE ⊙ TRAFFIC SIGNAL POLE ⊙ UTILITY POLE ⊙ UTILITY POLE GUY ANCHOR ⊙ RISER POLE ⊙ WATER HYDRANT ⊙ WATER IRRIGATION VALVE ⊙ WATER MANHOLE/VAULT ⊙ WATER MARKER POST ⊙ WATER METER ⊙ WATER POST INDICATOR VALVE ⊙ WATER VALVE ⊙ WATER WELL/MONITORING WELL |
|---|--|

DEMOLITION KEYNOTES:

1. EXISTING TRANSFORMER/PAD TO BE PROTECTED DURING CONSTRUCTION.
2. EXISTING ELECTRIC LINE TO BE PROTECTED DURING CONSTRUCTION.
3. EXISTING STORM DRAIN INLET STRUCTURE. EXISTING STORM DRAIN SYSTEM THROUGHOUT FOOTBALL FIELD AND OUTLET IS UNKNOWN BESIDES STRUCTURE AND LINE SHOWN. CONTRACTOR TO IDENTIFY ALL EXISTING SYSTEM ELEMENTS OF EXISTING SYSTEM AND PROCEED PER ARCHITECTURAL DRAWING INSTRUCTIONS.
4. EXISTING STORM DRAIN LINE (4" CMP). EXISTING STORM DRAIN SYSTEM THROUGHOUT FOOTBALL FIELD AND OUTLET IS UNKNOWN BESIDES STRUCTURE AND LINE SHOWN. CONTRACTOR TO IDENTIFY ALL EXISTING SYSTEM ELEMENTS OF EXISTING SYSTEM AND PROCEED PER ARCHITECTURAL DRAWING INSTRUCTIONS.
5. DISCONNECT, REMOVE AND PROTECT TIME CLOCK DURING DEMOLITION. CONTRACTOR TO PROVIDE STORAGE AND RE-INSTALLATION AT SAME LOCATION.
6. REMOVE AND PROTECT GOAL POST DURING DEMOLITION. CONTRACTOR TO PROVIDE TO OWNER FOR STORAGE. NEW GOAL POSTS TO BE INSTALLED AT SAME LOCATION.
7. EXISTING TRACK D-ZONE AREA. CONTRACTOR IS TO SAWCUT AND REMOVE NORTH D-ZONE ON THE INSIDE LINE OF LANE ONE AND DISPOSE OF ALL WASTE MATERIALS LEGALLY OFF SITE. PROVIDE NEW CONDITIONS MATCHING NEW G.O.D. SITE LAYOUT PLAN.
8. EXISTING CONCRETE HIGH JUMP PAD TO BE DEMOLISHED ENTIRELY AND WASTE MATERIALS ARE TO BE DISPOSED OF LEGALLY OFF SITE BY THE CONTRACTOR.
9. POLE VAULT RUNWAY AND SAND PIT TO BE REMOVED AND REPLACED WITH SUITABLE FILL FOR NEW ARTIFICIAL SURFACE.
10. LONG JUMP RUNWAY AND SAND PIT TO BE REMOVED AND REPLACED WITH SUITABLE FILL FOR NEW ARTIFICIAL SURFACE.
11. EXISTING TRACK TO BE PROTECTED DURING DEMOLITION. TRACK TO BE RESURFACED AS A PART OF THIS PROJECT.
12. EXISTING SPOUT AND LD TO BE PROTECTED DURING CONSTRUCTION. CONTRACTOR TO VERIFY LOCATION IN FIELD IS SUITABLE IN CONJUNCTION WITH OTHER UTILITIES AND DRAINAGE STRUCTURES/PIPE.
13. EXISTING FENCE (48" CHAIN LINK) TO BE PROTECTED DURING CONSTRUCTION. IF REQUIRED TO BE REMOVED DUE TO TRACK RESURFACING, CONTRACTOR SHALL REPAIR AND REPLACE AT NO ADDITIONAL COST TO THE OWNER.
14. EXISTING SCOREBOARD TO BE PROTECTED DURING CONSTRUCTION.
15. EXISTING PLAYING SURFACE (NATURAL GRASS) TO BE REMOVED, GRADED AND RE-COMPACTED FOR NEW ARTIFICIAL PLAYING SURFACE. ANY AND ALL OBJECTS INSIDE THE TRACK NOT CALLED OUT ON THIS DEMOLITION PLAN SHALL BE IDENTIFIED AND THE OWNER SHALL BE NOTIFIED FOR DETERMINATION OF REMOVAL.
16. AREA SHALL BE GRADED AND PREPARED FOR PROPOSED LOCATION OF POLE VAULT RUNWAY AND CONCRETE PAD AND LONG JUMP RUNWAY AND SAND PIT.
17. EXISTING WATER ACCESS LINE POINT. PROTECT DURING CONSTRUCTION.

SOUTH PUTNAM HS TRACK AND FIELD RENOVATION

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KEY PLAN

100% CONSTRUCTION DOCUMENTS



Ryan A. Robinson

PROJECT MANAGER: RR
DRAWN BY: BP
PROJECT NUMBER: 222152.06 (FH), 2024-005-S (HWC)
PROJECT ISSUE DATE: JANUARY 30TH, 2024

REV	DESCRIPTION	DATE

DEMOLITION PLAN

C0.1

OVERALL PROJECT GENERAL NOTES:

- 1. SURVEY PREPARED BY: CENTRAL STATES CONSULTING, LLC... 2. CONTRACTOR SHALL PERFORM ALL MAINTENANCE OF TRAFFIC IN ACCORDANCE WITH STATE AND LOCAL STANDARDS... 3. CONTRACTOR SHALL COMPLY WITH ANY AND ALL SAFETY REGULATIONS AND REQUIREMENTS RELATED TO THE PROPOSED WORK... 4. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL BARRICADES, FENCES, WARNING SIGNS, FLASHING LIGHTS, TEMPORARY WALKWAYS AND OTHER SAFETY MEASURES DURING CONSTRUCTION... 5. ALL WORK SHALL CONFORM TO FEDERAL, STATE AND LOCAL REGULATIONS... 6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES AND PERMITS REQUIRED FOR WORK... 7. PLANS AND SPECIFICATIONS REFERENCE ARCHITECT, ENGINEER AND LANDSCAPE ARCHITECT INTERCHANGEABLY THROUGHOUT... 8. NO CHANGES SHALL BE MADE TO THE PROPOSED WORK WITHOUT WRITTEN APPROVAL OF ENGINEER... 9. ANY DEVIATIONS OF THE EXISTING CONDITIONS FROM THOSE SHOWN ON THE PLANS THAT AFFECT THE IMPROVEMENTS SHALL BE REPORTED TO THE ENGINEER BEFORE CONSTRUCTION PROCEEDS AT THAT LOCATION... 10. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING SURVEY MONUMENTS, ANY MONUMENT DISTURBED OR DESTROYED DURING CONSTRUCTION ACTIVITY SHALL BE REPLACED BY A LICENSED SURVEYOR... 11. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING BENCHMARKS. IF BENCHMARKS ARE TO BE DISTURBED OR REMOVED AS PART OF THE WORK, CONTRACTOR SHALL HAVE A LICENSED SURVEYOR ESTABLISH ANOTHER BENCHMARK AT A LOCATION OUT OF HARM'S WAY... 12. EXCAVATION AND DISPOSAL OF MATERIAL SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS, CODES AND ENVIRONMENTAL REGULATIONS... 13. CONTRACTOR SHALL ADJUST ELEVATION OF ANY SURFACE FEATURE (RIM, GRATE, HYDRANTS, VALVES, HAND HOLES, CASTINGS, IRRIGATION SYSTEM, UTILITY PEDESTALS, ETC.) AS AFFECTED BY NEW CONSTRUCTION OR GRADING... 14. CONTRACTOR SHALL REPAIR OR REPLACE ANY EXISTING SITE AREAS OR IMPROVEMENTS DAMAGED DURING CONSTRUCTION TO AT LEAST THE CONDITION THAT EXISTED BEFORE CONSTRUCTION... 15. COORDINATE WORK ON CIVIL DRAWINGS WITH ARCHITECTURAL, ELECTRICAL, MECHANICAL, PLUMBING, AND STRUCTURAL WORK.

UTILITY GENERAL NOTES:

- 1. NOT ALL UTILITY LINES, WHETHER ABOVE OR BELOW GROUND, HAVE BEEN SHOWN ON THE DRAWINGS. ANY UNDERGROUND INFORMATION SHOWN ON THE DRAWINGS HAS BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION... 2. CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR PROTECTING ALL UTILITIES IN THE WORK AREA WHETHER SHOWN OR NOT... 3. ANY UTILITIES WHICH CAN BE REMOVED DURING CONSTRUCTION WITHOUT UNDUE INTERRUPTION TO SERVICE MAY BE REMOVED AND REPLACED BY THE CONTRACTOR WITH THE PERMISSION OF THE UTILITY... 4. THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF WORK WHICH COULD DISRUPT THE RESPECTIVE UTILITY SERVICE... 5. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY FOR DIRECTION SHOULD UNCHARTED, INCORRECTLY CHARTED OR OTHER UTILITIES BE ENCOUNTERED DURING CONSTRUCTION... 6. CONTRACTOR SHALL UNCOVER ALL THE-IN AND CROSSING LOCATIONS PRIOR TO ANY UNDERGROUND PIPE INSTALLATION... 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RELOCATION OF ALL EXISTING UTILITIES WHICH ARE IN CONFLICT WITH THE IMPROVEMENTS SHOWN ON THE SITE PLANS... 8. REFER TO BUILDING PLANS FOR ALL INFORMATION REGARDING UTILITY LAYOUT AND DETAILS WITHIN THE BUILDING AND EXTENDING OUT 5- FEET FROM EXTERIOR FACE OF BUILDING... 9. ALL UTILITY MATERIALS AND INSTALLATION SHALL CONFORM TO LOCAL STANDARDS FOR EACH UTILITY AGENCY HAVING JURISDICTION... 10. ALL EXCAVATED TRENCHES UNDER PROPOSED PAVED AREAS, INCLUDING SIDEWALKS, SHALL BE BACKFILLED WITH GRANULAR MATERIAL AND COMPACTED IN LIFTS ACCORDING TO CONSTRUCTION DETAILS... 11. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES AND CONDUITS TO AVOID CONFLICTS AND PROVIDE REQUIRED MINIMUM DEPTHS OF COVER... 12. ALL COORDINATES AND DIMENSIONS ARE TO THE CENTERLINE OF THE UTILITIES AND STRUCTURES... 13. WHERE NECESSARY, UTILITY SERVICE CONDUITS SHALL BE INSTALLED UNDER PAVED AREAS AND BACKFILLED AS SPECIFIED ABOVE... 14. CONTRACTOR SHALL COORDINATE WITH ALL UTILITIES COMPANIES AND MECHANICAL CONTRACTOR.

DEMOLITION NOTES:

- 1. PRIOR TO THE START OF DEMOLITION WORK, CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY LOCAL, STATE AND FEDERAL AGENCIES HAVING JURISDICTION... 2. UNLESS NOTED OTHERWISE, CONTRACTOR SHALL DEMOLISH AND DISPOSE OF OFF-SITE ALL MATERIALS, STRUCTURES, FENCE, CONCRETE, PAVEMENTS, CURBS AND OTHER MISCELLANEOUS APPURTENANCES WITHIN DISTURBED LIMITS... 3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING FEATURES TO REMAIN OR WHICH LIE ALONG THE PERIMETER OF THE SITE... 4. CLEAR AND CRUIB ALL TREES, BRUSH, STUMPS AND OTHER VEGETATION NECESSARY FOR CONSTRUCTION... 5. TREES AND OTHER PLANT MATERIALS TO REMAIN SHALL BE PROTECTED BY TREE FENCE INSTALLED OUTSIDE THE DRIP LINE... 6. DEMOLISH FOUNDATIONS AND OTHER BELOW-GRADE CONSTRUCTION, INCLUDING CONCRETE SLABS, TO A DEPTH OF NOT LESS THAN 48-INCHES BELOW THE LOWEST GRADE/SUBGRADE LEVEL... 7. COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION OF STRUCTURES IN ACCORDANCE WITH THE EARTHWORK SPECIFICATIONS... 8. PROVIDE NEAT, STRAIGHT, VERTICAL SAWCUT AT ALL LOCATIONS WHERE PROPOSED PAVEMENTS, CURBS, ETC. ABUT EXISTING PAVEMENTS, CURBS, ETC. TO REMAIN... 9. UNLESS NOTED OTHERWISE, ALL UNDERGROUND UTILITIES SCHEDULED FOR DEMOLITION SHALL BE COMPLETELY EXCAVATED AND DISPOSED OF OFF-SITE... 10. UNLESS NOTED OTHERWISE, ALL UTILITIES TO BE REMOVED SHALL BE DISCONNECTED AND CAPPED AT THE NEAREST CONNECTION POINT... 11. DEMOLITION ITEMS INCLUDE, BUT ARE NOT LIMITED TO, REMOVAL ITEMS INDICATED ON THE DEMOLITION PLAN... 12. CONDUCT DEMOLITION AND CONSTRUCTION OPERATIONS TO ENSURE MINIMAL INTERFERENCE WITH STREETS, WALKS, AND OTHER ADJACENT OCCUPIED FACILITIES... 13. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS OR OTHER OCCUPIED FACILITIES WITHOUT PERMISSION FROM THE LOCAL AUTHORITIES... 14. ENSURE SAFE PASSAGE OF PERSONS AROUND AREAS OF DEMOLITION AND CONSTRUCTION... 15. PROMPTLY REPAIR DAMAGE TO ADJACENT FACILITIES CAUSED BY DEMOLITION AND CONSTRUCTION OPERATIONS... 16. NO ON-SITE BURNING IS PERMITTED... 17. THE USE OF ANY TYPE OF EXPLOSIVES SHALL NOT BE PERMITTED.

SITE IMPROVEMENTS NOTES:

- 1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO THE START OF CONSTRUCTION AND SHALL BE RESPONSIBLE FOR ALL FIELD DIMENSIONS THROUGHOUT CONSTRUCTION... 2. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL REQUIRED CONSTRUCTION LINE AND GRADE TO ENSURE ACCURATE LAYOUT OF SITE IMPROVEMENTS... 3. UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE REFERENCED TO THE EDGE OF PAVEMENT, EDGE OF SIDEWALK, FACE OF CURB, OR OUTSIDE SURFACE OF FOUNDATION WALL... 4. REFER TO BUILDING PLANS FOR ALL BUILDING DIMENSIONS AND LAYOUT DETAILS... 5. FOLLOWING THE COMPLETION OF ALL UNDERGROUND WORK IN PAVED AREAS, AGGREGATE BASE SHALL BE PLACED AND COMPACTED TO THE THICKNESS INDICATED ON THE APPROPRIATE PAVEMENT DESIGN DETAIL... 6. ASPHALT PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CONSTRUCTION AND MATERIAL GUIDELINES OF THE INDOT STANDARD SPECIFICATIONS... 7. THE CONNECTION OF NEW PAVEMENT TO EXISTING PAVEMENT IN THE PARKING LOTS AND DRIVEWAYS SHALL MATCH EXISTING GRADES AND PROFILES... 8. UNLESS NOTED OTHERWISE, ALL PAVEMENT STRIPING WITHIN THE PROJECT SITE SHALL BE 4-INCHES WIDE, PAINTED WITH WHITE LATEX, WATERBORNE EMULSION, LEAD AND CHROMATE FREE... 9. PORTLAND CEMENT SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-150... 10. REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-615... 11. ALL CONCRETE USED SHALL BE CLASS A STRUCTURAL CONCRETE WITH A 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI... 12. FORMS SHALL BE CONSTRUCTED OF WOOD, PLYWOOD, STEEL, OR OTHER APPROVED MATERIALS... 13. ALL CONCRETE SHALL BE PLACED IN ACCORDANCE WITH ACI 304... 14. CONCRETE SAW CUTTING SHALL BE DONE AS SOON AS SOON AS POURED CONCRETE HAS CURED AND CAN SUPPORT WEIGHT... 15. ALL CONSTRUCTION JOINTS SHALL BE SAWN, CLEANED OF DEBRIS, BLOWN DRY AND IMMEDIATELY SEALED WITH THE APPROPRIATE SEALANT... 16. ALL SIDEWALKS SHALL COMPLY WITH AMERICAN WITH DISABILITIES ACT (ADA) STANDARDS.

EARTHWORK NOTES:

- 1. CONTRACTOR SHALL REFER TO THE GEOTECHNICAL ENGINEERING INVESTIGATION REPORT FOR INFORMATION ABOUT THE SOIL CONDITIONS... 2. EARTHWORK SHALL BE COMPLETED IN ACCORDANCE WITH PUTNAM COUNTY AND INDOT STANDARD SPECIFICATIONS... 3. THE CONTRACTOR SHALL EMPLOY A QUALIFIED GEOTECHNICAL ENGINEER FOR THIS PROJECT... 4. TOPSOIL SHALL BE STRIPPED AND STOCKPILED FOR USE DURING FINISH GRADING AND LANDSCAPE WORK... 5. ALL COMPACTED FILL AND BACKFILL MATERIAL SHALL BE SATISFACTORY MATERIAL APPROVED BY THE GEOTECHNICAL ENGINEER... 6. IN-PLACE DENSITY TESTS SHALL BE PERFORMED THROUGHOUT THE BUILDING FILL EMBANKMENTS... 7. UPON REACHING SUBGRADE ELEVATION IN AREAS THAT HAVE BEEN FILLED AND COMPACTED... 8. EXCAVATE FOR STRUCTURES TO WITHIN 0.1 FOOT OF THE DESIGN ELEVATIONS... 9. BACKFILL MATERIAL SHALL MEET THE REQUIREMENTS OF AND SHALL BE COMPACTED ACCORDING TO THE EARTHWORK SPECIFICATIONS... 10. TRENCHES UNDER PAVED AREAS SHALL BE BACKFILLED AND COMPACTED WITH APPROVED GRANULAR MATERIAL... 11. DUE TO SITE CONSTRAINTS, THE EARTHWORK FOR THE SITE AS DESIGNED MAY OR MAY NOT BE BALANCED... 12. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO THE START OF CONSTRUCTION... 13. UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE REFERENCED TO THE EDGE OF PAVEMENT... 14. REFER TO BUILDING PLANS FOR ALL BUILDING DIMENSIONS AND LAYOUT DETAILS... 15. FOLLOWING THE COMPLETION OF ALL UNDERGROUND WORK... 16. ASPHALT PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CONSTRUCTION AND MATERIAL GUIDELINES... 17. THE CONNECTION OF NEW PAVEMENT TO EXISTING PAVEMENT... 18. UNLESS NOTED OTHERWISE, ALL PAVEMENT STRIPING WITHIN THE PROJECT SITE SHALL BE 4-INCHES WIDE... 19. PORTLAND CEMENT SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-150... 20. REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-615... 21. ALL CONCRETE USED SHALL BE CLASS A STRUCTURAL CONCRETE... 22. FORMS SHALL BE CONSTRUCTED OF WOOD, PLYWOOD, STEEL, OR OTHER APPROVED MATERIALS... 23. ALL CONCRETE SHALL BE PLACED IN ACCORDANCE WITH ACI 304... 24. CONCRETE SAW CUTTING SHALL BE DONE AS SOON AS SOON AS POURED CONCRETE HAS CURED... 25. ALL CONSTRUCTION JOINTS SHALL BE SAWN, CLEANED OF DEBRIS, BLOWN DRY AND IMMEDIATELY SEALED... 26. ALL SIDEWALKS SHALL COMPLY WITH AMERICAN WITH DISABILITIES ACT (ADA) STANDARDS.

GRADING NOTES:

- 1. CONTRACTOR SHALL TAKE PARTICULAR CARE WHEN GRADING IN AND AROUND EXISTING UTILITY LINES AND EQUIPMENT... 2. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 48-HOURS BEFORE SITE GRADING IS TO START... 3. CONTRACTOR SHALL ADJUST ALL EXISTING SURFACE INFRASTRUCTURE... 4. AFTER STRIPPING TOPSOIL MATERIAL, PROOFROLL SHALL BE PERFORMED BY A LOADED TANDEN PNEUMATIC TIRE DUMP TRUCK... 5. FOLLOWING THE COMPLETION OF SITE GRADING AND SUBSURFACE UTILITY INSTALLATION... 6. PROVIDE POSITIVE DRAINAGE WITHOUT PONING IN ALL AREAS... 7. ALL PROPOSED SPOT ELEVATIONS OR CONTOURS ARE THE FINAL PAVEMENT AND FINAL GRADE ELEVATIONS... 8. SEE APPROPRIATE DETAILS TO DETERMINE SUBGRADE ELEVATIONS BELOW FINISH GRADE ELEVATIONS INDICATED... 9. CONTRACTOR SHALL PERPETUATE ANY SUBSURFACE DRAIN TILES OR PIPES ENCOUNTERED DURING CONSTRUCTION... 10. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO THE START OF CONSTRUCTION... 11. UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE REFERENCED TO THE EDGE OF PAVEMENT... 12. REFER TO BUILDING PLANS FOR ALL BUILDING DIMENSIONS AND LAYOUT DETAILS... 13. FOLLOWING THE COMPLETION OF ALL UNDERGROUND WORK... 14. ASPHALT PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CONSTRUCTION AND MATERIAL GUIDELINES... 15. THE CONNECTION OF NEW PAVEMENT TO EXISTING PAVEMENT... 16. UNLESS NOTED OTHERWISE, ALL PAVEMENT STRIPING WITHIN THE PROJECT SITE SHALL BE 4-INCHES WIDE... 17. PORTLAND CEMENT SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-150... 18. REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-615... 19. ALL CONCRETE USED SHALL BE CLASS A STRUCTURAL CONCRETE... 20. FORMS SHALL BE CONSTRUCTED OF WOOD, PLYWOOD, STEEL, OR OTHER APPROVED MATERIALS... 21. ALL CONCRETE SHALL BE PLACED IN ACCORDANCE WITH ACI 304... 22. CONCRETE SAW CUTTING SHALL BE DONE AS SOON AS SOON AS POURED CONCRETE HAS CURED... 23. ALL CONSTRUCTION JOINTS SHALL BE SAWN, CLEANED OF DEBRIS, BLOWN DRY AND IMMEDIATELY SEALED... 24. ALL SIDEWALKS SHALL COMPLY WITH AMERICAN WITH DISABILITIES ACT (ADA) STANDARDS.

WATER SYSTEM NOTES:

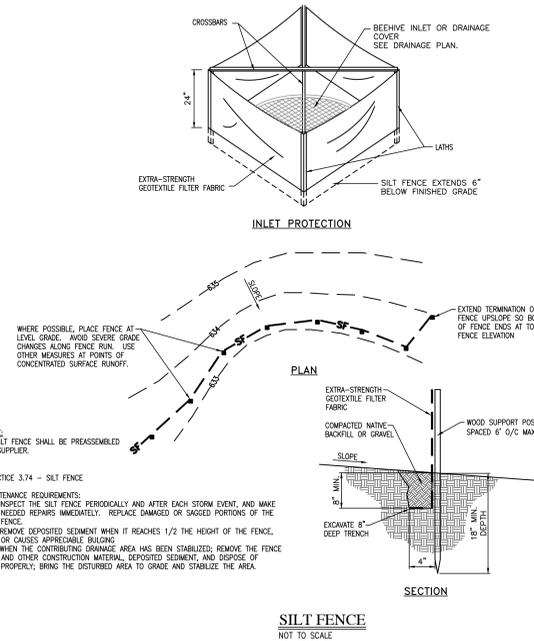
- 1. ALL WATER LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH WATER MAIN SPECIFICATIONS OR SOUTH 43 WATER ASSOCIATION, INC. TYPICAL CONSTRUCTION STANDARDS... 2. THE CONTRACTOR SHALL FURNISH, INSTALL AND TEST ALL GATE VALVES... 3. WATER MAINS AND SERVICE LINES SHALL HAVE A MINIMUM OF 3'-6" OF COVER OVER TOP OF THE PIPE... 4. CONTRACTOR SHALL PERFORM ALL OF THE WORK ASSOCIATED WITH CONNECTIONS TO THE EXISTING FACILITIES... 5. THE COMPLETED WATER LINE SHALL BE TESTED AND DISINFECTED IN ACCORDANCE WITH WATER MAIN SPECIFICATIONS... 6. IN THE EVENT OF A CONFLICT BETWEEN WATER LINES AND STORM DRAINS, CONTRACTOR SHALL EITHER ADJUST THE WATER LINE IN SUCH A MANNER SO THAT THE PIPE MANUFACTURER'S RECOMMENDATIONS ON PIPE DEFLECTION AND JOINT STRESS ARE NOT EXCEEDED.

STORM SEWER NOTES:

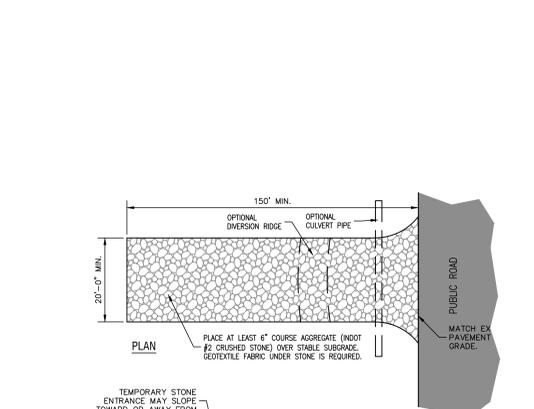
- 1. CONSTRUCTION OF STORM DRAINS SHALL BE IN ACCORDANCE WITH THE STORM SEWER SPECIFICATIONS OR PUTNAM COUNTY TYPICAL CONSTRUCTION STANDARDS... 2. ALL MAIN LINE STORM SEWER PIPE SHALL BE CONSTRUCTED OF REINFORCED CONCRETE PIPE (RCP) OR HIGH DENSITY POLYETHYLENE (HDPE) PIPE... 3. A MINIMUM OF 18" VERTICAL SEPARATION AND 10'-0" HORIZONTAL SEPARATION TO BE MAINTAINED BETWEEN THE OUTSIDE WALLS OF WATER MAINS, HYDRANTS AND SEWERS... 4. INLETS, JUNCTION BOXES AND MANHOLES MUST BE SIZED PROPERLY TO ACCOMMODATE THE PROPOSED PIPE SIZES... 5. PIPE LENGTHS SHOWN ON THE DRAWINGS ARE FOR HYDRAULIC CALCULATION PURPOSES ONLY.

EROSION CONTROL NOTES:

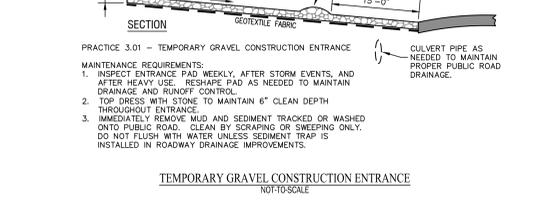
- 1. ALL PROPOSED EROSION AND SEDIMENT CONTROL SHALL BE IN ACCORDANCE WITH PUTNAM COUNTY AND INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (IDEM) STANDARDS... 2. PERMITTER EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY COMMENCING... 3. CONTRACTOR SHALL BE RESPONSIBLE FOR SOIL AND EROSION CONTROL AND DUST CONTROL MEASURES PRIOR TO AND DURING CONSTRUCTION... 4. THE EROSION CONTROL PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE... 5. ALL CLEARING, DEMOLITION, EARTHWORK AND GRADING SHALL BE DONE IN A WAY THAT WILL MINIMIZE EROSION... 6. SEDIMENT LADEN WATER SHALL BE OBTAINED BY EROSION CONTROL PRACTICES AS NEEDED TO MINIMIZE SEDIMENTATION... 7. WASTE AND UNUSED BUILDING MATERIALS SHALL NOT BE ALLOWED TO BE CARRIED FROM THE SITE... 8. ACTIONS MUST BE TAKEN TO MINIMIZE THE TRACKING OF MUD AND SOIL FROM CONSTRUCTION AREAS... 9. SOIL WHICH HAS ACCUMULATED NEXT TO EROSION CONTROL DEVICES SHALL BE COLLECTED AND RE-DISTRIBUTED... 10. PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC... 11. WHERE CONSTRUCTION OR LAND DISTURBANCE ACTIVITY WILL OR HAS TEMPORARILY CEASED ON ANY PORTION OF THE SITE... 12. TOPSOIL REPLACEMENT SHALL TAKE PLACE FROM MARCH 1 TO OCTOBER 31... 13. SOIL STOCKPILES SHALL BE LOCATED AWAY FROM STREAMS, PONDS, SWALES, AND CATCH BASINS... 14. INSTALL INLET PROTECTION ON STORM INLETS IMMEDIATELY UPON COMPLETION OF THE STRUCTURE... 15. DETENTION BASINS, IF APPLICABLE, SHALL BE CONSTRUCTED FIRST AND SHALL PERFORM AS SEDIMENT BASINS... 16. PRIOR TO COMPLETION OF THE PROJECT, CONTRACTOR SHALL CLEAN OUT ALL STORM DRAINAGE STRUCTURES... 17. CONTRACTOR SHALL REMOVE ALL EROSION PREVENTION AND SEDIMENT CONTROL MEASURES ONCE CONSTRUCTION IS COMPLETE.



NOT TO SCALE



NOT TO SCALE



NOT TO SCALE

SOUTH PUTNAM HS TRACK AND FIELD RENOVATION

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KEY PLAN

100% CONSTRUCTION DOCUMENTS



Ryan A. Robinson

PROJECT MANAGER: RR, DRAWN BY: BP, PROJECT NUMBER: 222152.06 (FH), 2024-005-S (HWC), PROJECT ISSUE DATE: JANUARY 30TH, 2024

Table with 3 columns: REV, DESCRIPTION, DATE. Contains one row with a triangle symbol in the REV column.

GENERAL NOTES & STORMWATER POLLUTION PREVENTION DETAILS

C0.2

STORMWATER POLLUTION PREVENTION PLAN INDEX

A1	PLAN INDEX	N/A
A2	WONITY MAP	N/A
A3	PROJECT TYPE	THIS PROJECT IS: SOUTH PUTNAM CS FOOTBALL TURF REPLACEMENT. THIS PROJECT CONSISTS OF THE REPLACEMENT OF FIELD TURF AND IMPROVEMENTS TO THE TRACK & FIELD AREA.
A4	LATITUDE AND LONGITUDE	THE LATITUDE IS 39°34'54" AND LONGITUDE IS 86°48'53"
A5	LEGAL DESCRIPTION	N/A
A6	11X17 PLAT	N/A
A7	100 YEAR FLOODPLAINS, FLOODWAYS AND FLOOD FRINGES	N/A
A8	ADJACENT LAND USES	NORTH: SOUTH PUTNAM HIGH SCHOOL EAST: CENTRAL ELEMENTARY SCHOOL SOUTH: AGRICULTURAL WEST: HIGHWAY 231
A9	IDENTIFICATION OF U.S. EPA APPROVED OR ESTABLISHED TMDL	N/A
A10	RECEIVING WATERS	N/A
A11	IDENTIFICATION OF DISCHARGES TO A WATER ON THE CURRENT 303(g) LIST OF IMPAIRED WATERS AND THE POLLUTANTS FOR WHICH IT IS IMPAIRED.	N/A
A12	SOILS MAP	N/A
A13	LOCATION OF WETLANDS, LAKES, WATER COURSES ADJACENT TO SITE	N/A
A14	STATE OR FEDERAL WATER QUALITY PERMITS	N/A
A15	IDENTIFICATION OF EXISTING VEGETATIVE COVER, INCLUDING NATURAL BUFFERS	THE EXISTING SITE IS A TRACK & FIELD. C01-C1.0
A16	EXISTING SITE TOPOGRAPHY	SEE SHEETS C01-C1.0
A17	LOCATION(S) WHERE RUNOFF ENTERS PROJECT SITE	SEE SHEETS C1.0.
A18	LOCATION(S) WHERE RUNOFF DISCHARGES FROM THE PROJECT SITE PRIOR TO LAND DISTURBANCE	N/A
A19	LOCATION OF ALL EXISTING STRUCTURES ON THE PROJECT SITE.	N/A
A20	EXISTING PERMANENT RETENTION OR DETENTION FACILITIES, INCLUDING MANAGE WETLANDS DESIGNED FOR THE PURPOSE OF STORMWATER MANAGEMENT.	N/A
A21	LOCATIONS WHERE STORMWATER MAY BE DIRECTLY DISCHARGED INTO GROUNDWATER, SUCH AS ABANDONED WELLS, SINKHOLES, OR KARST FEATURES	N/A
A22	PROJECT AREA	0.00 ACRES
A23	LAND DISTURBANCE	0.00 ACRES
A24	PROPOSED SITE TOPOGRAPHY	SEE SHEETS C1.0
A25	LOCATIONS AND BOUNDARIES OF DISTURBED AREAS	SEE SHEETS C01-C1.1
A26	LOCATIONS, SIZES, DIMENSIONS OF PROPOSED STORMWATER SYSTEM	N/A
A27	POINTS WHERE STORMWATER WILL DISCHARGE SITE	N/A
A28	LOCATION OF ALL PROPOSED SITE IMPROVEMENTS, INCLUDING ROADS, UTILITIES, LOT DELINEATION AND IDENTIFICATION, PROPOSED STRUCTURES AND COMMON AREAS.	SEE SHEETS C1.2-C1.3
A29	LOCATION OF SOIL STOCKPILE	N/A
A30	CONSTRUCTION SUPPORT ACTIVITIES THAT ARE EXPECTED TO BE PART OF THE PROJECT	N/A
A31	LOCATION OF ANY IN-STREAM ACTIVITIES THAT ARE PLANNED FOR THE PROJECT INCLUDING BUT NOT LIMITED TO, STREAM CROSSINGS AND PUMP AROUNDS.	N/A

B12	SCHEDULE OF STORMWATER QUALITY MEASURES RELATED TO LAND DISTURBING ACTIVITIES	STORMWATER POLLUTION PREVENTION PLAN HAS BEEN DEVELOPED TO ELIMINATE SEDIMENT FROM LEAVING THE PROJECT DURING CONSTRUCTION ACTIVITIES PROTECTING ADJACENT PROPERTIES AND THE RECEIVING WATERS.
	PRE-CONSTRUCTION SCHEDULE	
1	CONTRACTOR TO CALL INDIANA UNDERGROUND B11 BY CALLING 811 OR 800-382-5544 TO VERIFY LOCATION OF EXISTING UTILITIES T-2 (2) WORKING DAYS PRIOR TO START OF CONSTRUCTION.	
2	CONTRACTOR SHALL INSTALL STONE CONSTRUCTION ENTRANCE PRIOR TO THE START OF EARTHWORK IN ACCORDANCE WITH THE PLAN LOCATION ON SHEET C1.0.	
3	CONTRACTOR TO INSTALL IDEM CONSTRUCTION STORMWATER GENERAL PERMIT INFORMATION POSTING, TRASH DUMPSTER, AND PORT--LET AS SHOWN ON SHEET C1.	
4	CONTRACTOR TO INSTALL EXISTING STORM INLET PROTECTION AROUND THE PERMETER OF THE SITE PRIOR TO CONSTRUCTION. CONTRACTOR SHALL EVALUATE EXISTING EROSION CONTROL MEASURES AND USE AND MAINTAIN, REPLACE AS NECESSARY.	
5	CONTRACTOR SHALL INSTALL ALL REQUIRED SILT FENCE AROUND THE PERMETER OF THE ENTIRE SITE (INCLUDING MASS GRADING AREAS OF FUTURE SECTIONS) AND ALL TREE PROTECTION FENCING ALONG THE NORTH & WEST BOUNDARY LINES PRIOR TO ANY EARTHWORK ACTIVITIES SUCH AS EARTH MOVING OR STRIPPING AS WELL AS TREE CLEARING.	
6	CONTRACTOR SHALL INSTALL CONCRETE WASHOUT AREA AND CONSTRUCTION STAGING AREA PRIOR TO THE START OF EARTHWORK ACTIVITIES. DEDICATED MAINTENANCE AREAS SHOULD BE PROTECTED FROM STORMWATER RUNOFF AND RUNOFF, AND SHOULD BE LOCATED AT LEAST 50 FT FROM DOWNSTREAM DRAINAGE FACILITIES AND WATERCOURSES.	
7	DEWATERING: ALL CONTRACTORS AND VENDORS ARE RESPONSIBLE FOR PREPARING AN APPROPRIATE DEWATERING PLAN BASED ON NEED, WHICH CAN VARY FROM UTILITY INSTALLATION, LOWERING OF PONDS, HOME FOUNDATIONS/BASEMENTS ETC., IN NO CIRCUMSTANCES SHOULD DEWATERING OPERATIONS BEGAIN BASED ON ASSUMPTION WATER IS CLEAN. OPEN SEDIMENT LADEN WATER IS ENCOUNTERED TOWARDS THE END OF THE OPERATION AND NOT THE BEGINNING. DEWATERING REQUIRES INTENSIVE MEASURES FOR MAINTENANCE, FREQUENT MONITORING, CLEANOUT, REPAIR AND/OR REPLACEMENTS. SUBMIT DEWATERING PLAN PRIOR TO COMMENCING WORK TO FORESTAR PROJECT MANAGER FOR APPROVAL.	
8	ONCE DEWATERING ELEMENTS ARE INSTALLED, ANY UTILITY MODIFICATION OR RELOCATION PER SHEETS C1.1 CAN COMMENCE IN FINAL PREPARATION FOR MASS EARTHWORK OPERATIONS. ALL INTERIM FILL REQUIREMENTS SUCH AS ROCK CHECK DAMS AND TEMPORARY SWALES SHALL BE COMPLETED PRIOR TO MASS EARTHWORK OPERATIONS. THESE MEASURES SHALL BE MAINTAINED AND ADJUSTED AS NEEDED UNTIL COMPLETION OF EARTHWORK AND THE SITE HAS BEEN FULLY STABILIZED. EROSION CONTROL, ADJUSTMENTS DURING DIFFERENT PHASES OF CONSTRUCTION ARE LIKELY REQUIRED AND SUBJECT TO WEATHER CONDITIONS.	
	CONSTRUCTION SCHEDULE	
9	BEGIN CLEARING AND GRADING ACTIVITIES AFTER EROSION AND SEDIMENT CONTROL MEASURES ARE IN PLACE AND ITEMS #8 OF THE PRE-CONSTRUCTION SCHEDULE ARE COMPLETE. EARTHMOVING SHALL BE DONE IN A MANNER TO MINIMIZE EROSION. CONTRACTOR SHALL VERIFY ALL EXISTING STORM SEWER AND UTILITY CONNECTION LOCATIONS AND ELEVATION PRIOR TO MOVING EARTH. CONTRACTOR SHALL, AS GRADING PROGRESSES, INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES TO CONTAIN SEDIMENT ON SITE.	
10	CONTRACTOR SHALL STRIP TOPSOIL AND GRADE THE SITE PER PLAN AND PLACE PERMANENT AND TEMPORARY SEED AS INDICATED ON THE PLAN. UNLESS OTHERWISE SPECIFIED, ALL POTENTIALLY ERODIBLE AREAS SHALL INITIATE STABILIZATION ON THE SEVENTH DAY (7 DAYS) SUCH AS TEMPORARY SEEDING AND MULCH. THE STABILIZATION ACTIVITY MUST BE COMPLETED WITHIN FOURTEEN (14) DAYS AFTER INITIATION PER IDEM CONSTRUCTION STORMWATER GENERAL PERMIT.	
11	PERMANENT AND FINAL VEGETATION, IN ADDITION TO STRUCTURAL MEASURES, SHALL BE INSTALLED AS SOON AS PRACTICAL PER SHEETS C1.7-C1.8.	
12	INSTALL STORM SEWER SYSTEM, SUBSURFACE DRAINAGE SYSTEM, AND SWALES. ALL STORM SEWER INLET PROTECTION SHALL BE INSTALLED AT THE TIME EACH INLET IS CONSTRUCTED PER SHEETS C1.7-C1.8.	
13	CONTRACTOR SHALL INSTALL REMAINING UTILITIES AND RE-SEED ALL DISTURBED AREAS.	
14	CONTRACTOR SHALL INSTALL ALL STREETS AS INDICATED ON PLANS.	
15	INSTALL LOT SPECIFIC BMPs INCLUDING WASTE RECEPTACLES, CURB LINE BMPs, WASHOUTS, AND STABILIZED ENTRANCES.	
16	INSTALL HOME (VERTICAL) CONSTRUCTION CONCRETE WASHOUT. FORESTAR PROJECT MANAGER TO ORDER PREFABRICATED CONCRETE WASHOUT LOW PROFILE DUMPSTER FROM "CONSTRUCTION WASTE" COMPANY AND PROVIDE DIRECTION ON LOCATION FOR INSTALLATION. SEE DETAIL THIS SHEET.	
17	BUILDING FOUNDATION EXCAVATIONS.	
18	VERTICAL CONSTRUCTION AND HOME BUILDING.	
19	INSTALL PERMANENT OR TEMPORARY SOIL STABILIZATION AND LANDSCAPING.	
20	CONTRACTOR SHALL MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION AND UNTIL SEDIMENTATION OF STREETS AND STORM SEWERS NO LONGER OCCURS. CONTRACTOR SHALL INSPECT ON A WEEKLY BASIS OR AFTER A SIGNIFICANT STORM EVENT (AN EVENT AT LEAST 0.5 INCHES OF RAINFALL). SEE SHEETS C8.0-C8.1 FOR DETAILS AND SPECIFICATIONS.	
21	COMPLETE FINAL GRADING AND INSTALL SEEDING AND LANDSCAPING. STABILIZE ALL REMAINING EXPOSED AREAS AS A RESULT OF CONSTRUCTION RELATED ACTIVITIES.	
22	ALL EROSION AND SEDIMENT CONTROL SHALL COMPLY WITH IDEM CONSTRUCTION STORMWATER GENERAL PERMIT.	

B14	MATERIAL HANDLING AND SPILL PREVENTION PLAN	
	MATERIAL HANDLING:	
1	THE PROPER MANAGEMENT AND DISPOSAL OF WASTE SHOULD BE PRACTICED ON SITE AT ALL TIMES TO REDUCE POLLUTION OF STORM WATER RUNOFF. HAZARDOUS WASTE SHOULD BE DISPOSED OF THROUGH A DESIGNATED HAZARDOUS WASTE MANAGEMENT OR RECYCLING FACILITY.	
2	DESIGNATE WASTE COLLECTION AREA ON-SITE THAT DOES NOT RECEIVE A SUBSTANTIAL AMOUNT OF RUNOFF FROM UPLAND AREAS AND DOES NOT DRAIN DIRECTLY INTO A WATER BODY.	
3	KEEP PRODUCTS IN ORIGINAL CONTAINERS WITH ORIGINAL LABELS AND MATERIAL SAFETY DATA INFORMATION ATTACHED. MAKE SURE PRODUCTS ARE PROPERLY SEALED TO PREVENT LEAKS AND SPILLS AND STORED IN A WEATHER PROOF SELF-CONTAINED AREA AWAY FROM HEAT, SPARKS & FLAMES.	
4	A PROGRAM FOR RECYCLING OR DISPOSAL OF MATERIALS ASSOCIATED WITH OR FROM THE PROJECT SITE SHALL BE ESTABLISHED BY THE CONTRACTOR. ALL RECYCLING CONTAINERS SHALL BE CLEARLY LABELED.	
5	ALL CONSTRUCTION ACTIVITIES ARE TO BE MONITORED AND MAINTAINED BY THE CONTRACTOR. AS EACH NEW SUBCONTRACTOR COMES ON-SITE, THE CONTRACTOR WILL CONDUCT AND DOCUMENT A MEETING TO ENSURE AWARENESS OF THE POLLUTANT PREVENTION GUIDELINES FOR PROPER HANDLING, STORAGE AND DISPOSAL OF CONSTRUCTION SITE WASTES SHALL BE POSTED IN THE STORAGE AND USE AREAS, AND WORKERS SHALL BE TRAINED IN THESE PRACTICES.	
6	CONTAINERS AND EQUIPMENT MUST BE INSPECTED REGULARLY FOR LEAKS, CORROSION, SUPPORT OR FOUNDATION FAILURE, OR ANY OTHER SIGNS OF DEGRADATION AND MUST BE TESTED FOR SOUNDNESS. ANY FOUND TO BE DEFECTIVE SHOULD BE REPAIRED OR REPLACED IMMEDIATELY.	
	SPILL PREVENTION PLAN:	
	PURPOSE:	
	THE INTENTION OF THIS SPILL PREVENTION, CONTROL AND COUNTERMEASURES (SPCC) IS TO ESTABLISH THE PROCEDURES AND EQUIPMENT REQUIRED TO PREVENT THE DISCHARGE OF OIL AND HAZARDOUS SUBSTANCES IN QUANTITIES THAT VIOLATE APPLICABLE WATER QUALITY STANDARDS, CAUSE A SHEEN UPON OR DISCOLORATION OF THE SURFACE OF NAVIGABLE WATERS OR ADJOINING SHORELINES, OR CAUSE SLUDGE OR EMULSION TO BE DEPOSITED BEACH THE SURFACE OF THE WATER OR ADJOINING SHORELINES. THE PLAN ALSO ESTABLISHES THE ACTIVITIES REQUIRED TO MITIGATE SUCH DISCHARGES (I.E., COUNTERMEASURES) SHOULD THEY OCCUR.	
	DEFINITIONS:	
	POLLUTANT: MEANS POLLUTANT OF ANY KIND OR IN ANY FORM, INCLUDING BUT NOT LIMITED TO SEDIMENT, PAINT, CLEANING AGENT, CONCRETE WASHOUT, RESTORES, NUTRIENTS, TRASH, HYDRAULIC FLUIDS, FUEL, OIL, PETROLEUM, FUEL OIL, SLUDGE, OIL REFUSE, AND OIL MIXED WITH WASTES OTHER THAN DREGGED SOIL.	
	DISCHARGE: INCLUDES BUT IS NOT LIMITED TO, ANY SPILLING, LEAKING, PUMPING, POURING, EMPTING, OR DUMPING.	
	NAVIGABLE WATERS: MEANS ALL WATERS OF THE UNITED STATES THAT ARE CONNECTED WITH A NAVIGABLE STREAM, LAKE, OR SEA. (NOTE: THIS DEFINITION IS USUALLY INTERPRETED TO MEAN ANY WASTEWATER (EVEN NORMALLY DRY WASH OR STORM SEWER) THAT EVENTUALLY DRAINS INTO A NAVIGABLE STREAM.)	
	PLAN REVIEW AND AMENDMENTS: THIS PLAN SHALL BE REVIEWED AND/OR AMENDED, IF NECESSARY, WHENEVER THERE IS A CHANGE IN THE DESIGN OF THE SITE, CONSTRUCTION, OPERATION, OR MAINTENANCE WHICH MATERIALLY AFFECTS THE SITE'S POTENTIAL FOR THE DISCHARGE OF REGULATED MATERIAL.	
	PREDICTION OF POTENTIAL SPILLS:	
	1. NEAREST NAVIGABLE WATER: INDIAN CREEK--SAND CREEK	
	2. DRAINAGE SYSTEM: ALL STORM DRAINAGE LEAVES THE SITE THROUGH PROPOSED STORM SEWER THAT OUTLETS TO THE EXISTING LEGAL DRAIN WEST OF THE DEVELOPMENT.	
	3. POSSIBLE SPILL SOURCES (DURING AND POST CONSTRUCTION): VEHICULAR SOURCES SUCH AS LEAKING FUEL OR OIL, BRAKE FLUID, GREASE, ANTIFREEZE, TRASH AND DEBRIS, BIOLOGICAL AGENTS FOUND IN TRASH AND DEBRIS, FERTILIZERS, HOUSEHOLD ITEMS, AND OTHER MATERIALS NOT AVOIDED AND CONTAINERS, ARRANGING FOR REGULAR DISPOSAL, AND TRAINING EMPLOYEES AND SUBCONTRACTORS.	
	4. GROUNDWATER CONTAMINATION: THE FACILITY MAINTAINS NO ABOVE GROUND OR UNDER GROUND STORAGE TANKS AT THIS SITE. THEREFORE, IT IS FELT THAT THERE IS LITTLE OR NO POSSIBILITY OF POST CONSTRUCTION GROUNDWATER CONTAMINATION. THE FACILITY DOES HAVE PUBLIC SANITARY SEWER AND PUBLIC WATER.	
	ALERT PROCEDURES FOR SPILLS:	
	1. ANY PERSONNEL OBSERVING A SPILL WILL IMMEDIATELY INSTIGATE THE FOLLOWING PROCEDURE:	
	A. DIALING "911" FROM ANY TELEPHONE.	
	B. NOTIFY THE APPROPRIATE EMERGENCY PERSONNEL.	
	2. THE EMERGENCY COORDINATOR WILL THEN TAKE THE FOLLOWING ACTIONS:	
	A. BARRIERS THE AREA ALLOWING NO VEHICLES TO ENTER OR LEAVE THE SPILL ZONE.	
	B. NOTIFY THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, OFFICE OF EMERGENCY RESPONSE BY CALLING THE APPROPRIATE TELEPHONE NUMBER: OFFICE 317-233-7745 TOLL FREE 800-233-7745	
	ALSO THE NATIONAL RESPONSE CENTER AT 800-424-8802 AND PROVIDE THE FOLLOWING INFORMATION:	
	--- TIME OF OBSERVATION OF THE SPILL	
	--- LOCATION OF THE SPILL	
	--- IDENTITY OF MATERIAL SPILLED	
	--- PROBABLE SOURCE OF THE SPILL	
	--- PROBABLE TIME OF THE SPILL	
	--- VOLUME OF THE SPILL AND DURATION	
	--- PRESENT AND ANTICIPATED MOVEMENT OF THE SPILL	
	--- WEATHER CONDITIONS	
	--- PERSONNEL AT THE SCENE	
	--- ACTION INITIATED BY PERSONNEL	
	C. NOTIFY THE CITY OF MARTINSVILLE FIRE DEPARTMENT PHONE: (765) 342-2343	
	D. NOTIFY THE CITY OF MARTINSVILLE POLICE DEPARTMENT PHONE: (765) 342-2343	
	E. NOTIFY WASTE RECOVERY CONTRACTOR, MAINTENANCE PERSONNEL OR OTHER CONTRACTUAL PERSONNEL AS NECESSARY FOR CLEANUP.	
	F. COORDINATE AND MONITOR CLEANUP UNTIL THE SITUATION HAS BEEN STABILIZE AND ALL SPILLS HAVE BEEN ELIMINATED.	
	G. COOPERATE WITH THE IDEM--EOR ON NUTRIENTS AND REPORTS INVOLVED WITH THE EVENT.	
	CLEANUP PARAMETERS:	
	1. THE DEVELOPER SHALL BE CONTINUALLY KEPT INFORMED. MAINTAIN LISTS OF QUALIFIED CONTRACTORS AND AVAILABLE VAC--TRUCKS, TANK TRAILERS AND OTHER EQUIPMENT FOR CLEAN-UP OPERATIONS. IN ADDITION, A CONTINUALLY UPDATED LIST OF AVAILABLE ABSORBENT MATERIALS AND CLEAN-UP SUPPLIES SHOULD BE KEPT ON SITE.	
	2. ALL MAINTENANCE PERSONNEL WHO MAKE AWARE OF TECHNIQUES FOR PREVENTION AND CONTAINMENT OF SPILLS THEY WILL BE INFORMED OF THE REQUIREMENTS AND PROCEDURES OUTLINED IN THIS PLAN. THEY WILL BE KEPT AWARE OF CURRENT DEVELOPMENTS OR NEW INFORMATION ON THE PREVENTION OF SPILLS AND/OR NECESSARY ALTERATIONS TO THIS PLAN.	
	3. IF SPILLS OCCUR WHICH COULD ENDANGER HUMAN LIFE, THIS BECOMES THE PRIMARY CONCERN. THE DISCHARGE OF THE LIFE SAVING PROTECTION FUNCTION WILL BE CARRIED OUT BY THE LOCAL POLICE AND FIRE DEPARTMENTS.	
	4. ABSORBENT MATERIALS, WHICH ARE USED IN CLEANING UP SPILLED MATERIALS, WILL BE DISPOSED OF IN A MANNER SUBJECT TO THE APPROVAL OF THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT.	
	5. FLUSHING OF SPILLED MATERIAL WITH WATER WILL NOT BE PERMITTED UNLESS SO AUTHORIZED BY THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT.	

B15	MATERIAL HANDLING AND STORAGE PROCEDURES ASSOCIATED WITH CONSTRUCTION ACTIVITY	
	VEHICLE & EQUIPMENT MAINTENANCE	
	DESCRIPTION AND PURPOSE:	
	PREVENT OR REDUCE THE CONTAMINATION OF STORMWATER RESULTING FROM VEHICLE AND EQUIPMENT MAINTENANCE BY RUNNING A "DRY AND CLEAN SITE," THE BEST OPTION WOULD BE TO PERFORM MAINTENANCE ACTIVITIES AT AN OFFSITE FACILITY. IF THIS OPTION IS NOT AVAILABLE THEN WORK SHOULD BE PERFORMED COVERED AREAS ONLY WHILE PROVIDING COVER FOR MATERIALS STORED OUTSIDE, CHECKING FOR LEAKS AND SPILLS, AND CONTAINING AND CLEANING UP SPILLS IMMEDIATELY.	
	SUITABLE APPLICATIONS:	
	THESE PROCEDURES ARE SUITABLE ON ALL CONSTRUCTION PROJECTS WHERE AN ONSITE YARD AREA IS NECESSARY FOR STORAGE AND MAINTENANCE OF HEAVY EQUIPMENT AND VEHICLES.	
	LIMITATIONS:	
	ONSITE VEHICLE AND EQUIPMENT MAINTENANCE SHOULD ONLY BE USED WHERE IT IS IMPRACTICAL TO SEND VEHICLES AND EQUIPMENT OFFSITE FOR MAINTENANCE AND REPAIR. SENDING VEHICLES/EQUIPMENT OFFSITE SHOULD BE DONE IN CONJUNCTION WITH A STABILIZED CONSTRUCTION ENTRANCE/EXIT. OUTDOOR SPILLS OR EQUIPMENT MAINTENANCE IS A POTENTIALLY SIGNIFICANT SOURCE OF STORMWATER POLLUTION. ACTIVITIES THAT CAN CONTAMINATE STORMWATER INCLUDE ENGINE REPAIR AND SERVICE, CHANGING OR REPLACEMENT OF FLUIDS, AND OUTDOOR EQUIPMENT STORAGE AND PARKING (ENGINE FLUID LEAKS).	
	IMPLEMENTATION:	
	IF MAINTENANCE MUST OCCUR ONSITE, USE DESIGNATED AREAS, LOCATED AWAY FROM DRAINAGE FACILITIES AND WATERCOURSES. DEDICATED MAINTENANCE AREAS SHOULD BE PROTECTED FROM STORMWATER RUNOFF AND RUNOFF, AND SHOULD BE LOCATED AT LEAST 50 FT FROM DOWNSTREAM DRAINAGE FACILITIES AND WATERCOURSES.	
	DRIP PANS OR ABSORBENT PADS SHOULD BE USED DURING VEHICLE AND EQUIPMENT MAINTENANCE WORK THAT INVOLVES FLUIDS, UNLESS THE MAINTENANCE WORK IS PERFORMED OVER AN IMPERMEABLE SURFACE IN A DEDICATED MAINTENANCE AREA.	
	PLACE A STOCKPILE OF SPILL CLEANUP MATERIALS WHERE IT WILL BE READILY ACCESSIBLE.	
	ALL FUELING TRUCKS AND FUELING AREAS ARE REQUIRED TO HAVE SPILL KITS AND/OR USE OTHER SPILL PROTECTION DEVICES.	
	USE ABSORBENT MATERIALS ON SMALL SPILLS. REMOVE THE ABSORBENT MATERIALS PROMPTLY AND DISPOSE OF PROPERLY.	
	INSPECT ONSITE VEHICLES AND EQUIPMENT DAILY AT STARTUP FOR LEAKS, AND REPAIR IMMEDIATELY, OR REMOVE FROM SITE.	
	KEEP VEHICLES AND EQUIPMENT CLEAN; DO NOT ALLOW EXCESSIVE BUILD-UP OF OIL AND GREASE. OILS OF GREASE, ANTIFREEZE, METALS, RUBBER FRAGMENTS, ROAD GRIT, SALTS AND SANDS, TRASH AND DEBRIS, FERTILIZERS, CLEANING AGENTS CHEMICALS, PAINT, ANIMAL WASTE, ELEVATED STORM RUNOFF TEMPERATURES, PESTICIDES AND PATHOGENS.	
	TRAIN EMPLOYEES AND SUBCONTRACTORS IN PROPER MAINTENANCE AND SPILL CLEANUP PROCEDURES. PROPERLY DISPOSE OF USED OILS, FLUIDS, LUBRICANTS, AND SPILL CLEANUP MATERIALS.	
	DO NOT PLACE USED OIL IN A DUMPSTER OR POUR INTO A STORM DRAIN OR WATERCOURSE.	
	PROPERLY DISPOSE OF OR RECYCLE USED BATTERIES.	
	DO NOT BURY USED TIRES.	
	REPAIR LEAKS OF FLUIDS AND OIL IMMEDIATELY.	
	KEEP AMPLE SUPPLIES OF SPILL CLEANUP MATERIALS ONSITE.	
	MAINTAIN WASTE FLUID CONTAINERS IN LEAK PROOF CONDITION.	
	VEHICLE AND EQUIPMENT FUELING	
	DESCRIPTION AND PURPOSE:	
	VEHICLE AND EQUIPMENT FUELING PROCEDURES AND PRACTICES ARE DESIGNED TO PREVENT FUEL SPILLS AND LEAKS AND REDUCE OR ELIMINATE THE CONTAMINATION OF STORMWATER. THIS CAN BE ACCOMPLISHED BY USING OFFSITE FACILITIES, FUELING IN DESIGNATED AREAS ONLY, ENCLOSED OR COVERING STORED FUEL, AND PROVIDING SPILL CLEANUP AND TRAINING EMPLOYEES AND SUBCONTRACTORS.	
	IMPLEMENTATION:	
	ONSITE VEHICLE AND EQUIPMENT FUELING SHOULD ONLY BE USED WHERE IT IS IMPRACTICAL TO SEND VEHICLES AND EQUIPMENT OFFSITE FOR FUELING. SENDING VEHICLES AND EQUIPMENT OFFSITE SHOULD BE DONE IN CONJUNCTION WITH A STABILIZED CONSTRUCTION ENTRANCE/EXIT.	
	IMPLEMENTATION:	
	USE OFFSITE FUELING STATIONS AS MUCH AS POSSIBLE. THESE BUSINESSES ARE BETTER EQUIPPED TO HANDLE FUEL AND SPILLS AND PERFORMING THIS WORK OFFSITE CAN ALSO BE ECONOMICAL BY ELIMINATING THE NEED FOR A SEPARATE FUELING AREA AT A SITE.	
	DISCOURAGE "TOPPING OFF" OF FUEL TANKS.	
	ABSORBENT SPILL CLEANUP MATERIALS AND SPILL KITS SHOULD BE AVAILABLE IN FUELING AREAS AND ON FUELING TRUCKS AND SHOULD BE DISPOSED OF PROPERLY AFTER USE.	
	DRIP PANS OR ABSORBENT PADS SHOULD BE USED DURING VEHICLE AND EQUIPMENT FUELING, UNLESS THE FUELING IS PERFORMED OVER AN IMPERMEABLE SURFACE IN A DEDICATED FUELING AREA.	
	USE ABSORBENT MATERIALS ON SMALL SPILLS. DO NOT HOSE DOWN OR BURY THE SPILL. REMOVE THE ABSORBENT MATERIALS PROMPTLY AND DISPOSE OF PROPERLY.	
	AVOID MOBILE FUELING OF MOBILE CONSTRUCTION EQUIPMENT AROUND THE SITE. RATHER, TRANSPORT THE EQUIPMENT TO DESIGNATED FUELING AREAS.	
	TRAIN EMPLOYEES AND SUBCONTRACTORS IN PROPER FUELING AND CLEANUP PROCEDURES.	
	DEDICATED FUELING AREAS SHOULD BE PROTECTED FROM STORMWATER RUNOFF AND RUNOFF AND SHOULD BE LOCATED AT LEAST 50 FT AWAY FROM DOWNSTREAM DRAINAGE FACILITIES AND WATERCOURSES. FUELING MUST BE PERFORMED ON LEVEL GRADE AREAS.	
	PROTECT FUELING AREAS WITH BERMS AND DIKES TO PREVENT RUNOFF, AND TO CONTAIN SPILLS.	
	NOZZLES USED IN VEHICLES AND EQUIPMENT FUELING SHOULD BE EQUIPPED WITH AN AUTOMATIC SHUTOFF TO CONTROL DRIPS. FUELING OPERATIONS SHOULD NOT BE LEFT UNATTENDED.	
	FEDERAL, STATE, AND LOCAL REQUIREMENTS SHOULD BE OBSERVED FOR ANY STATIONARY ABOVE GROUND STORAGE TANKS.	
	VEHICLES AND EQUIPMENT SHOULD BE INSPECTED EACH DAY OF USE FOR LEAKS. LEAKS SHOULD BE REPAIRED IMMEDIATELY, OR PROBLEM VEHICLES OR EQUIPMENT SHOULD BE REMOVED FROM THE PROJECT SITE.	
	KEEP AMPLE SUPPLIES OF SPILL CLEANUP MATERIALS ONSITE.	
	IMMEDIATELY CLEAN UP SPILLS AND PROPERLY DISPOSE OF CONTAMINATED SOIL AND CLEANUP MATERIALS.	
	CONCRETE WASHOUT	
	THE FOLLOWING STEPS WILL HELP REDUCE STORMWATER POLLUTION FROM CONCRETE WASTES:	
	1. DEDICATE THE CONCRETE MANAGEMENT TECHNIQUES DESCRIBED IN THIS BMP INCLUDING HANDLING OF CONCRETE WASTE AND WASHOUT) WITH THE READY MIX CONCRETE SUPPLIER BEFORE ANY DELIVERIES ARE MADE.	
	2. INCORPORATE REQUIREMENTS FOR CONCRETE WASTE MANAGEMENT INTO MATERIAL SUPPLIES AND SUBCONTRACTOR AGREEMENTS.	
	3. STORE DRY AND WET MATERIALS UNDER COVER, AWAY FROM DRAINAGE AREAS.	
	4. AVOID MIXING EXCESS AMOUNTS OF FRESH CONCRETE.	
	PERFORM WASHOUT OF CONCRETE TRUCKS OFFSITE OR IN DESIGNATED AREAS.	
	DO NOT WASH OUT CONCRETE TRUCKS INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS.	
	DO NOT ALLOW EXCESS CONCRETE TO BE DUMPED ONSITE, EXCEPT IN DESIGNATED AREAS.	
	FOR ONSITE WASHOUT:	
	--- DESIGNATE WASHOUT AREA AT LEAST 50 FEET FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES	
	--- WASH OUT WASTES INTO THE TEMPORARY PIT WHERE THE CONCRETE CAN SET, BE BROKEN UP, AND THEN DISPOSED PROPERLY.	
	--- AVOID CREATING RUNOFF BY DRINKING WATER TO A BERMED OR LEVEL AREA WHEN WASHING CONCRETE TO REMOVE FINE PARTICLES AND EXPOSE THE AGGREGATE.	
	--- DO NOT WASH SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE INTO THE STREET OR STORM DRAIN. COLLECT AND RETURN SWEEPINGS TO AGGREGATE BASE STOCKPILE OR DISPOSE IN THE TRASH.	
	SOLID WASTE MANAGEMENT	
	DESCRIPTION AND PURPOSE:	
	PREVENT OR REDUCE THE CONTAMINATION OF STORMWATER RESULTING FROM VEHICLE AND EQUIPMENT MAINTENANCE BY RUNNING A "DRY AND CLEAN SITE," THE BEST OPTION WOULD BE TO PERFORM MAINTENANCE ACTIVITIES AT AN OFFSITE FACILITY. IF THIS OPTION IS NOT AVAILABLE THEN WORK SHOULD BE PERFORMED COVERED AREAS ONLY WHILE PROVIDING COVER FOR MATERIALS STORED OUTSIDE, CHECKING FOR LEAKS AND SPILLS, AND CONTAINING AND CLEANING UP SPILLS IMMEDIATELY.	
	SUITABLE APPLICATIONS:	
	THESE PROCEDURES ARE SUITABLE ON ALL CONSTRUCTION PROJECTS WHERE AN ONSITE YARD AREA IS NECESSARY FOR STORAGE AND MAINTENANCE OF HEAVY EQUIPMENT AND VEHICLES.	
	LIMITATIONS:	
	ONSITE VEHICLE AND EQUIPMENT MAINTENANCE SHOULD ONLY BE USED WHERE IT IS IMPRACTICAL TO SEND VEHICLES AND EQUIPMENT OFFSITE FOR MAINTENANCE AND REPAIR. SENDING VEHICLES/EQUIPMENT OFFSITE SHOULD BE DONE IN CONJUNCTION WITH A STABILIZED CONSTRUCTION ENTRANCE/EXIT. OUTDOOR SPILLS OR EQUIPMENT MAINTENANCE IS A POTENTIALLY SIGNIFICANT SOURCE OF STORMWATER POLLUTION. ACTIVITIES THAT CAN CONTAMINATE STORMWATER INCLUDE ENGINE REPAIR AND SERVICE, CHANGING OR REPLACEMENT OF FLUIDS, AND OUTDOOR EQUIPMENT STORAGE AND PARKING (ENGINE FLUID LEAKS).	
	IMPLEMENTATION:	
	IF MAINTENANCE MUST OCCUR ONSITE, USE DESIGNATED AREAS, LOCATED AWAY FROM DRAINAGE FACILITIES AND WATERCOURSES. DEDICATED MAINTENANCE AREAS SHOULD BE PROTECTED FROM STORMWATER RUNOFF AND RUNOFF, AND SHOULD BE LOCATED AT LEAST 50 FT FROM DOWNSTREAM DRAINAGE FACILITIES AND WATERCOURSES.	
	DRIP PANS OR ABSORBENT PADS SHOULD BE USED DURING VEHICLE AND EQUIPMENT MAINTENANCE WORK THAT INVOLVES FLUIDS, UNLESS THE MAINTENANCE WORK IS PERFORMED OVER AN IMPERMEABLE SURFACE IN A DEDICATED MAINTENANCE AREA.	
	PLACE A STOCKPILE OF SPILL CLEANUP MATERIALS WHERE IT WILL BE READILY ACCESSIBLE.	
	ALL FUELING TRUCKS AND FUELING AREAS ARE REQUIRED TO HAVE SPILL KITS AND/OR USE OTHER SPILL PROTECTION DEVICES.	
	USE ABSORBENT MATERIALS ON SMALL SPILLS. REMOVE THE ABSORBENT MATERIALS PROMPTLY AND DISPOSE OF PROPERLY.	
	INSPECT ONSITE VEHICLES AND EQUIPMENT DAILY AT STARTUP FOR LEAKS, AND REPAIR IMMEDIATELY, OR REMOVE FROM SITE.	
	KEEP VEHICLES AND EQUIPMENT CLEAN; DO NOT ALLOW EXCESSIVE BUILD-UP OF OIL AND GREASE. OILS OF GREASE, ANTIFREEZE, METALS, RUBBER FRAGMENTS, ROAD GRIT, SALTS AND SANDS, TRASH AND DEBRIS, FERTILIZERS, CLEANING AGENTS CHEMICALS, PAINT, ANIMAL WASTE, ELEVATED STORM RUNOFF TEMPERATURES, PESTICIDES AND PATHOGENS.	
	TRAIN EMPLOYEES AND SUBCONTRACTORS IN PROPER MAINTENANCE AND SPILL CLEANUP PROCEDURES. PROPERLY DISPOSE OF USED OILS, FLUIDS, LUBRICANTS, AND SPILL CLEANUP MATERIALS.	
	DO NOT PLACE USED OIL IN A DUMPSTER OR POUR INTO A STORM DRAIN OR WATERCOURSE.	
	PROPERLY DISPOSE OF OR RECYCLE USED BATTERIES.	
	DO NOT BURY USED TIRES.	
	REPAIR LEAKS OF FLUIDS AND OIL IMMEDIATELY.	
	KEEP AMPLE SUPPLIES OF SPILL CLEANUP MATERIALS ONSITE.	
	MAINTAIN WASTE FLUID CONTAINERS IN LEAK PROOF CONDITION.	

C1	DESCRIPTION OF POLLUTANTS AND THEIR SOURCES ASSOCIATED WITH THE PROPOSED LAND USE:	
	LEAVES, MULCH, VEHICULAR SOURCES SUCH AS LEAKING FUEL OR OIL, BRAKE FLUID, BRAKE OIL, GREASE, ANTIFREEZE, METALS, RUBBER FRAGMENTS, ROAD GRIT, SALTS AND SANDS, TRASH AND DEBRIS, FERTILIZERS, CLEANING AGENTS CHEMICALS, PAINT, ANIMAL WASTE, ELEVATED STORM RUNOFF TEMPERATURES, PESTICIDES AND PATHOGENS.	
C2	DESCRIPTION OF PROPOSED POST CONSTRUCTION STORMWATER QUALITY MEASURES:	
	VEGETATED SWALES	
	THE VEGETATED SWALES INSTALLED DURING CONSTRUCTION WILL SLOW RUNOFF AND ACT AS A SLOWING THE RUNOFF WILL NOT ONLY ALLOW SEDIMENT TO DROP OUT, BUT LIMIT THE ABILITY FOR SEDIMENT TO BE WASHED AWAY FROM DOWNSTREAM DRAINAGE FACILITIES AND WATERCOURSES.	
	PERMANENT SEEDING	
	PERMANENT SEEDING WILL BE PLACED TO ACT AS A FILTER AND TO PREVENT EROSION.	
	NET DETENTION BASIN	
	THEY SERVE TO CONTROL THE VOLUME AND RATE OF RUNOFF. THE FACILITY REMOVES SEDIMENT, SHUTOFF TO CONTROL DRIPS. FUELING OPERATIONS SHOULD NOT BE LEFT UNATTENDED.	
	POLLUTANTS, BIOLOGICAL PROCESSES OCCURRING IN THE POND AND IN REDUCING THE AMOUNT OF POLLUTANTS THAT ENTER THE RECEIVING WATER.	
C3	LOCATION, DIMENSIONS, SPECIFICATIONS AND CONSTRUCTION DETAILS OF STORMWATER QUALITY MEASURES:	
	FOR LOCATIONS SEE PLAN SET: SHEETS C1.5-C1.8 FOR DETAILS: SEE SHEET C8.2	
C4	SEQUENCE DESCRIBING STORMWATER QUALITY MEASURE IMPLEMENTATION:	
	REFERENCE EROSION CONTROL SEQUENCING	
	SEE PLAN SET: PRE-CONSTRUCTION AND POST-CONSTRUCTION STORMWATER POLLUTION PREVENTION PLANS, SHEETS C1.5-C1.8	
	VEGETATED SWALES	
	THEY WILL BE CONSTRUCTED DURING AND FOLLOWING THE MASS GRADING OF THE SITE. THEY WILL BE IMMEDIATELY STABILIZED WITH PERMANENT SEEDING AND MULCH AND EROSION CONTROL BLANKETS AS SHOWN ON THE PLAN. THEY WILL PERSIST IN THE POST CONSTRUCTION PHASE AS MAINTENANCE NEEDS.	
	PERMANENT SEEDING	
	PERMANENT SEEDING OF EXPOSED AREAS SHALL BE INITIATED ON THE SEVENTH (7TH) DAY AND STABILIZATION ACTIVITIES SHALL BE COMPLETED BY THE FOURTEENTH (14) DAY ONCE FINAL GRADING IS COMPLETED.	
	NET DETENTION BASIN	
	NET DETENTION BASIN WILL BE INITIALLY EXCAVATED AS PART OF MASS GRADING OF THE SITE. IT WILL BE USED THROUGHOUT THE CONSTRUCTION PHASE TO CONTROL SEDIMENT, THEN PUMPED INTO THE POST CONSTRUCTION PHASE AS PERMANENT FEATURES PROVIDING STORMWATER METHOD	



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Project Site

KEY PLAN

100% CONSTRUCTION DOCUMENTS



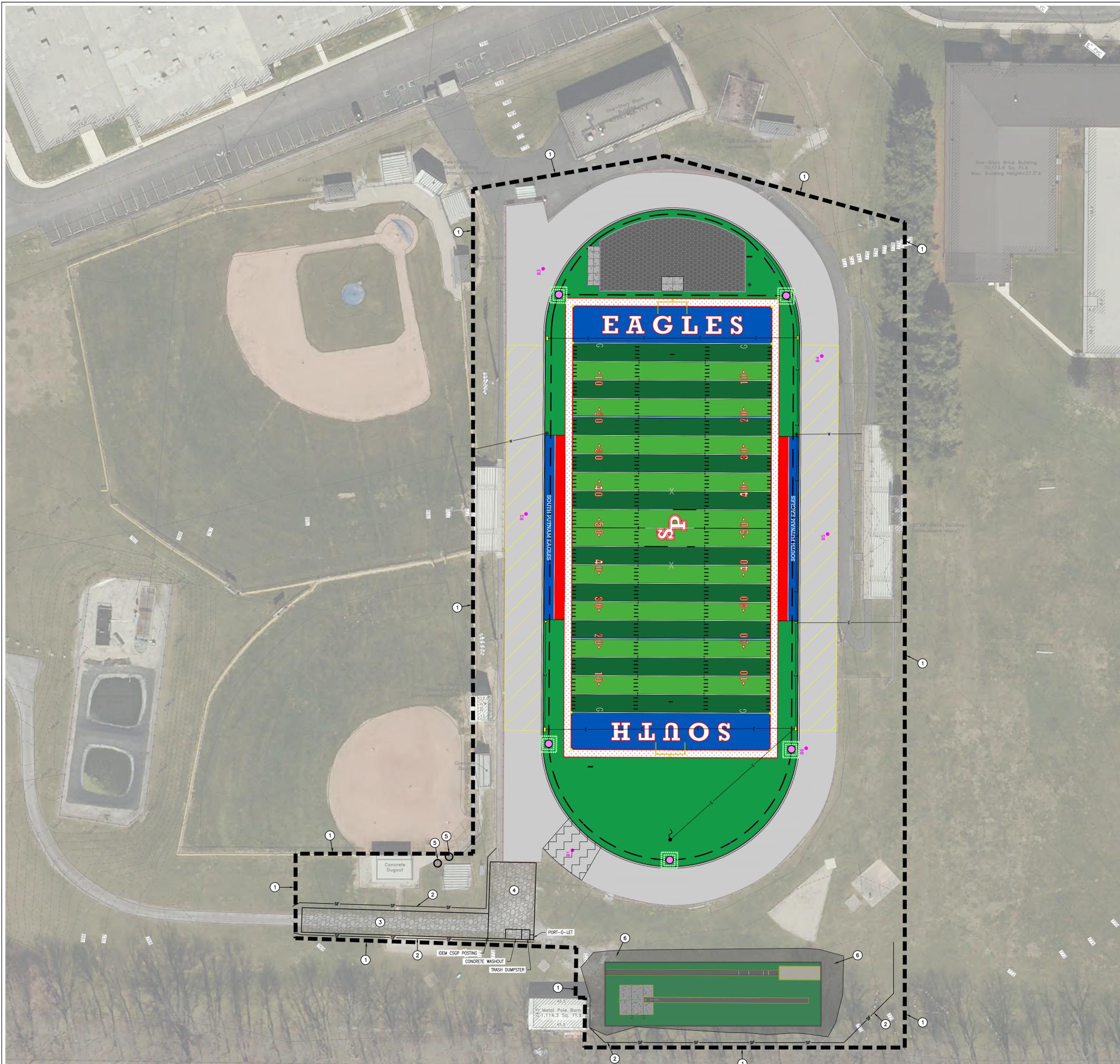
Ryan A. Robinson

PROJECT MANAGER: RR
DRAWN BY: BP
PROJECT NUMBER: 222152.06 (FH), 2024-005-S (HWC)
PROJECT ISSUE DATE: JANUARY 30TH, 2024

REV NO.	DESCRIPTION	DATE

POST-STORMWATER
POLLUTION PREVENTION PLAN

C1.1



LEGEND:

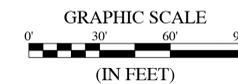
EXISTING	PROPERTY LINE	PROPOSED
---	PROPERTY LINE	---
---	EASEMENT LINE	---
---	SETBACK LINE	---
---	SWALE / FLOWLINE	---
---	OHE	---
---	OVERHEAD ELECTRIC LINE	---
---	CONTOUR, MAJOR	---
---	CONTOUR, MINOR	---
---	SANITARY SEWER	---
---	STORM SEWER	---
---	SANITARY MANHOLE	---
---	STORM MANHOLE	---
---	STORM INLET	---
---	FIRE HYDRANT	---
---	N/A	---
---	FLOW ARROW	---
---	SPOT ELEVATION	---
---	PAVEMENT ELEVATION	---
---	TOP OF CURB	---
---	GUTTER	---
---	BENCHMARK	---
---	WATER VALVE	---
---	WATER METER	---
---	GAS VALVE	---
---	CLEAN OUT	---
---	MONUMENT	---
---	LIGHT POLE	---
---	ELECTRIC RISER	---
---	TELEPHONE RISER	---
---	UTILITY POLE	---
---	GUY ANCHOR	---
---	FL	---
---	FLOW LINE	---
---	ME	---
---	MATCH EXISTING GRADE	---
---	FFE	---
---	FINISHED FLOOR ELEVATION	---
---	NP	---
---	NORMAL POOL (ELEVATION)	---
---	TB	---
---	TOP OF BANK GRADE (ELEVATION)	---
---	TC	---
---	TOP OF CASTING GRADE / TOP OF CURB	---
---	R/W	---
---	RIGHT-OF-WAY	---
---	CONSTRUCTION LIMITS	---
---	SILT FENCE	---
---	TEMPORARY CONSTRUCTION ENTRANCE	---
---	INLET PROTECTION	---
---	RP-RAP (FOR CHECK DAMS, END SECTION, CURB OUTLET)	---
---	SEEDING	---

- SWPPP KEYNOTES:**
- CONSTRUCTION LIMITS.
 - SILT FENCE.
 - TEMPORARY CONSTRUCTION ENTRANCE.
 - EQUIPMENT FUELING & STAGING AREA.
 - INLET PROTECTION.
 - PERMANENT SEEDING.

**[THIS SHEET TO BE USED FOR
EROSION CONTROL ONLY.]**



KNOW WHAT'S BELOW
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GRAPHIC SCALE
(IN FEET)

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Project Site

KEY PLAN



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Ryan A. Robinson

PROJECT MANAGER: RR
DRAWN BY: BP
PROJECT NUMBER: 222152.06 (FH), 2024-005-S (HWC)
PROJECT ISSUE DATE: JANUARY 30TH, 2024

REV NO.	DESCRIPTION	DATE

GRADING PLAN

C1.2



LEGEND:

---	PROPERTY LINE	---	PROPOSED
---	EASEMENT LINE	---	
---	SETBACK LINE	---	
---	SWALE / FLOWLINE	---	
---	OVERHEAD ELECTRIC LINE	---	
---	CONTOUR, MAJOR	---	
---	CONTOUR, MINOR	---	
---	SANITARY SEWER	---	
---	STORM SEWER	---	
---	SANITARY MANHOLE	---	
---	STORM MANHOLE	---	
---	STORM INLET	---	
---	FIRE HYDRANT	---	
---	FLOW ARROW	---	
---	SPOT ELEVATION	---	
---	PAVEMENT ELEVATION	---	
---	TOP OF CURB	---	
---	GUTTER	---	
---	BENCHMARK	---	
---	WATER VALVE	---	
---	WATER METER	---	
---	GAS VALVE	---	
---	CLEAN OUT	---	
---	MONUMENT	---	
---	LIGHT POLE	---	
---	SIGN	---	
---	ELECTRIC RISER	---	
---	TELEPHONE RISER	---	
---	UTILITY POLE	---	
---	GUY ANCHOR	---	
---	FL FLOW LINE	---	
---	ME MATCH EXISTING GRADE	---	
---	FTE FINISHED FLOOR ELEVATION	---	
---	NP NORMAL POOL (ELEVATION)	---	
---	TB TOP OF BANK GRADE (ELEVATION)	---	
---	TC TOP OF CASTING GRADE / TOP OF CURB	---	
---	R/W RIGHT-OF-WAY	---	

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KEY PLAN

100% Construction Documents

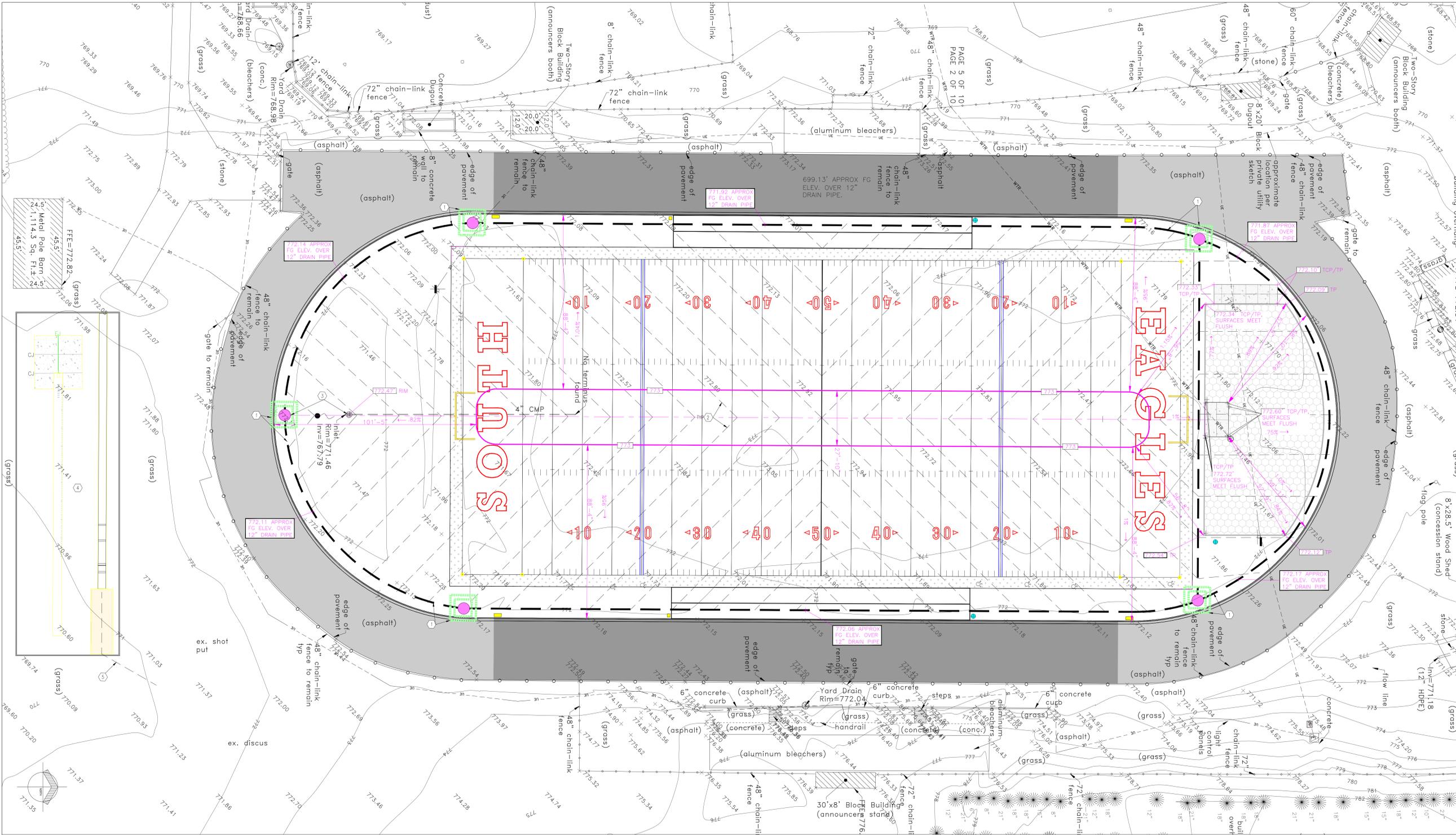


PROJECT MANAGER: DR
DRAWN BY: EB
PROJECT NUMBER: 2221506
PROJECT ISSUE DATE: 01/30/24

REV. NO.	DESCRIPTION	DATE

SITE GRADING AND DRAINAGE PLAN

G2.00



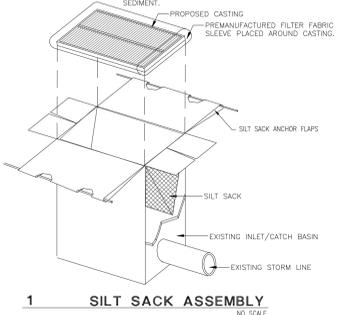
SITE GRADING/DRAINAGE PLAN

SCALE: 1" = 20'-0"

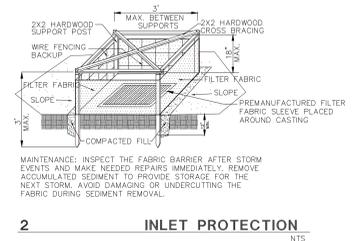
SITE GRADING LEGEND

- TC- TOP OF CONCRETE PAVEMENT.
- TC- TOP OF CONCRETE CURB.
- TP- TOP OF PAVING
- FG- FINISH GRADE
- WTR- EX. WATER LINE - SEE SHT G1.00 AND C1.3 FOR FURTHER INFORMATION
- 772.54' - NEW SPOT GRADE ELEVATIONS

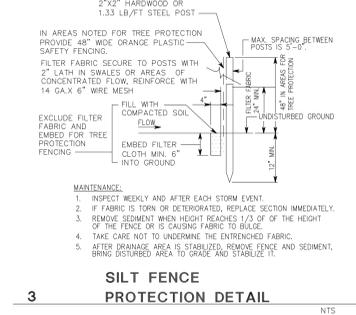
NOTE: CONTRACTOR TO VERIFY ALL EXISTING GRADES AND ADJUST AS REQUIRED TO COMPLETE THE WORK AS OUTLINED AND PER MANUFACTURERS RECOMMENDATIONS AND ALL LOCAL ORDINANCES.
NOTE: CONTRACTOR TO TAKE EXTREME CAUTION WHEN WORKING AROUND OR ON THE EXISTING TRACK SURFACE TO NOT DAMAGE EXISTING TRACK SURFACING. CONTRACTOR IS TO TAKE EXTREME CAUTION WHEN EXCAVATING AROUND EX. ELECTRICAL AND WATER LINES NOTED TO REMAIN AND OR BE RELOCATED - TAKE EXTRA CAUTION NOT TO SEVER LINES. COORDINATE ELECTRICAL AND PLUMBING SCOPE OF WORK WITH ENGINEERS PRIOR TO THE START OF CONSTRUCTION



1 SILT SACK ASSEMBLY
NO SCALE



2 INLET PROTECTION
NTS



3 SILT FENCE PROTECTION DETAIL
NTS

PLAN NOTES

- NEW NYLOPLAST STRUCTURES / 12" UNDERDRAIN MAINLINE. SLOPE MAIN DRAINLINE @ .75% SLOPE MIN. INSTALL FILTER FABRIC AROUND ALL NYLOPLAST DRAINAGE STRUCTURES IN DISTURBED FIELD AREAS TYPICAL. PROVIDE CROSS BRACING ACROSS TOPS AND SIDES FOR ADDITIONAL SUPPORT. INSTALL SILT SACK INLET PROTECTION AND ESTABLISH PERIMETER SILT FENCING PER CIVIL DRAWINGS C0.2, C0.3, C1.0, C1.1, AND DETAILS 1, 2, 3, 3 G2.00
- UNDERDRAIN FLATPIPE TO BE INSTALLED OVER FILTER FABRIC ALONG SUBGRADE AT 1%-. SEE DETAILS # 1-3, 14 SHT G4.00 FOR MORE INFORMATION
- INSTALL NYLOPLAST DRAINAGE STRUCTURES IN ALIGNMENT WITH UNDERDRAIN MAINLINE. WHERE EX. 4" CMP DRAINLINE FROM OUTSIDE TRACK ENTERS THE FIELD CONNECT TO NYLOPLAST STRUCTURE AND 12" PERFORATED MAINLINE. CONTRACTOR IS TO INVESTIGATE EXISTING STORM SYSTEM PRIOR TO CONSTRUCTION - IN ORDER TO UNDERSTAND - EXISTING OUTFALL AND EXISTING PIPES INVERT ELEVATIONS. CONTRACTOR IS TO ESTABLISH FINAL NYLOPLAST RIM ELEVATIONS AND 12" PERF. MAIN INVERT ELEVATIONS ON SITE PER TURF MANUF. WRITTEN RECOMMENDATIONS. PROVIDE SYNTHETIC TURF CAP OVER STRUCTURE LID - PER TURF MANUF. WRITTEN RECOMMENDATION - CAP IS TO BE FLUSH WITH TURF FG AND SHOULD NOT BE EASILY SEEN AND OR TRIPPED UPON.
- LONG JUMP AND POLE VAULT EVENTS, SEE C1.2 FOR GRADING PLAN
- LONG JUMP UNDERDRAIN FLATPIPE TO BE INSTALLED OVER FILTER FABRIC ALONG SUBGRADE O.C. OF PIT - TIE INTO NEAREST STORM MANHOLE AND OR FIELD YARD DRAIN. SLOPE SUBGRADE AT 1%. SEE DETAIL #10 SHT G4.00 FOR MORE INFORMATION AND CIVIL DRAWINGS C1.2-C1.3

LOCATIONS GIVEN ARE APPROXIMATE AND ARE TO BE SITE VERIFIED PRIOR TO THE START OF CONSTRUCTION.



CAUTION !!
THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THE ABOVE ANNOTATED DRAWING ARE APPROXIMATE. CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. CALL BEFORE YOU DIG.

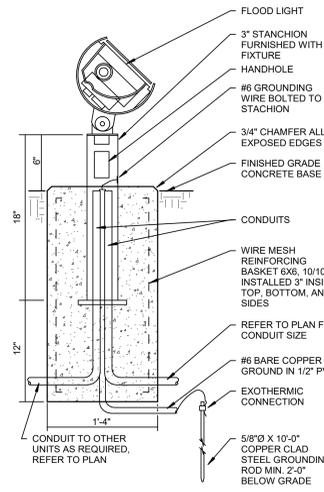
LABEL	DESCRIPTION	VOLTAGE	SOURCE				MOUNTING	LENS/REFLECTOR	CERTIFICATIONS	ACCEPTABLE MANUFACTURERS	LABEL
			TYPE	LUMENS	WATTS	CCT					
S1	LED IN-GROUND FLOOD LIGHT WITH NARROW SPOT DISTRIBUTION, HEAVY DUTY DIECAST ALUMINUM, UL LISTED FOR WET LOCATIONS.	120	LED	3000	26 W	4000 K	IN GRADE	TEMPERED CLEAR GLASS	N/A	LUMARK NFFLD LITHONIA DSXFLLED HUBBELL FSL	S1

GENERAL SITE NOTES

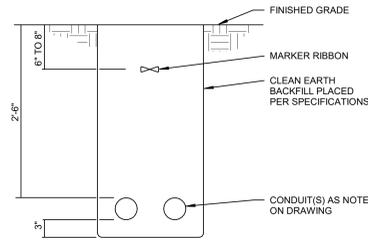
A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E001 FOR ADDITIONAL INFORMATION.

SITE PLAN NOTES

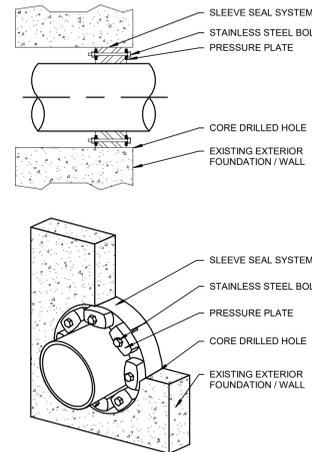
- 1 PROVIDE (2) 1" CONDUITS TO EACH HAND HOLE. ONE FOR POWER THE SECOND FOR TELECOMMUNICATIONS.
- 2 CONNECT FLOOD LIGHT TO CIRCUIT SERVING RECEPTACLES.
- 3 DISCONNECT TIME CLOCK AND MAINTAIN CIRCUIT FOR RECONNECTION TO NEW TIME CLOCK AT SAME LOCATION. PROVIDE A 2P-240V NON-FUSED DISCONNECT SWITCH. REWORK WIRE AND CONDUIT AS REQUIRED.
- 4 PROVIDE NEW GFCI 1P-20A BREAKER IN EXISTING PANELBOARD LOCATED IN BUILDING INDICATED. BREAKER SHALL FEED RECEPTACLE POWER CIRCUIT TO EACH HAND HOLE. PROVIDE 2#10, #10G, 1" C.
- 5 PROVIDE RECEPTACLE IN HAND HOLE EQUAL TO HUBBELL BR20WR. PROVIDE COVER EQUAL TO HBS584K.
- 6 ROUTE TELECOMMUNICATIONS CONDUIT UP TO PRESS BOX.
- 7 DISCONNECT TIME CLOCK AND MAINTAIN CIRCUIT FOR RECONNECTION TO NEW TIME CLOCK. COORDINATE NEW LOCATION WITH CIVIL DRAWINGS. PROVIDE A 2P-240V NON-FUSED DISCONNECT SWITCH. EXTEND WIRE AND CONDUIT TO NEW LOCATION.
- 8 STUB CONDUIT UP AND CAP FOR FUTURE SPORTS LIGHTING POLE.
- 9 3" CONDUIT FOR FUTURE SPORTS LIGHTING POLES. COORDINATE WITH EXISTING UTILITIES.
- 10 STUB CONDUIT IN BUILDING AT SERVICE PANEL FOR FUTURE USE.
- 11 3" C FOR FUTURE REROUTING OF EXISTING PANELBOARD FEEDER.



NOTES:
1. PROVIDE 4000 PSI 28 DAY STRENGTH CONCRETE FOR BASE.
2. RUB FINISHED ALL EXPOSED CONCRETE.
3. SLIGHT CROWN TOP FOR DRAINAGE.



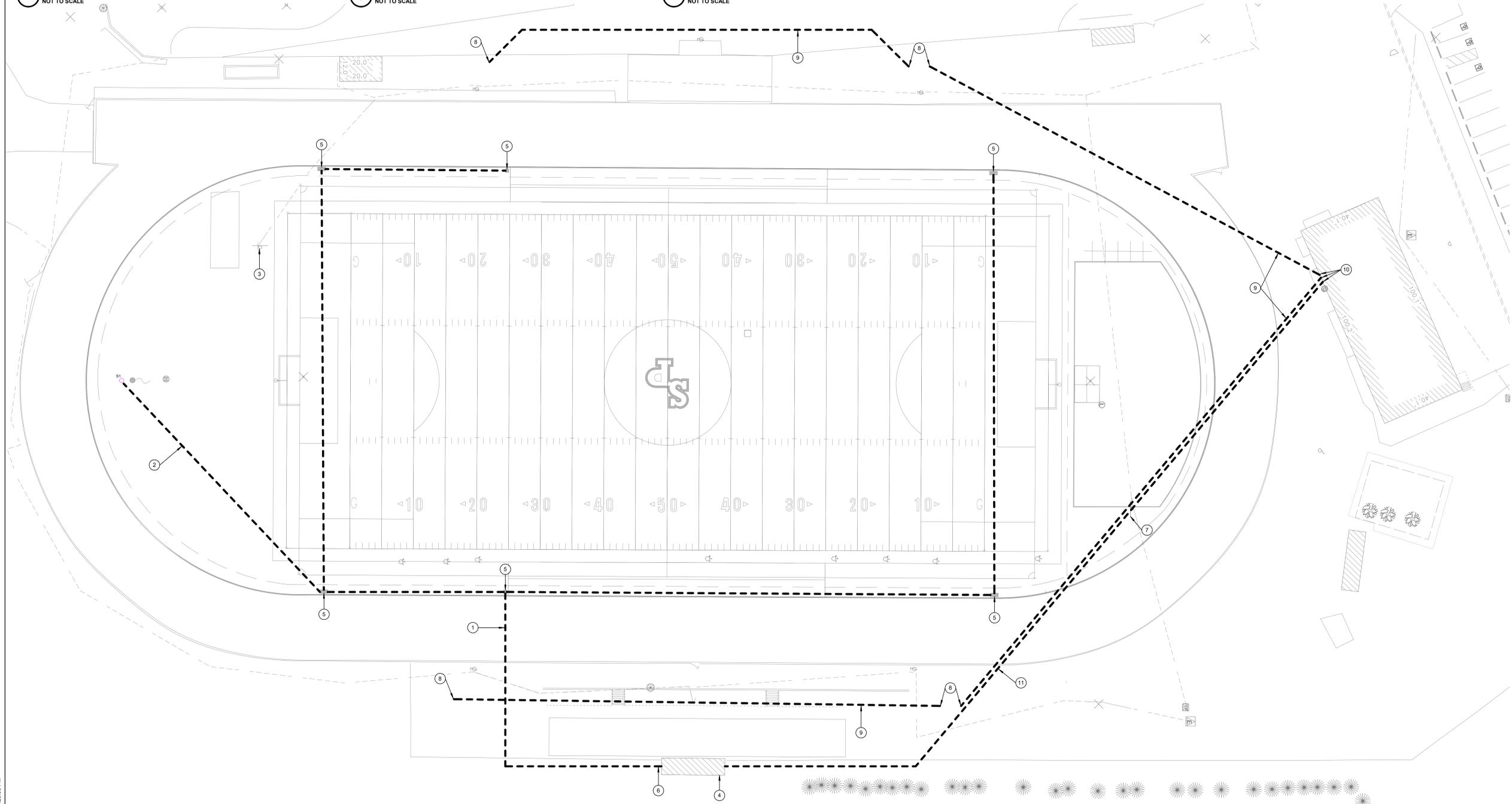
NOTE:
1. USE BURIAL DEPTH SHOWN UNLESS NOTED OTHERWISE IN SPECIFICATIONS OR ON DRAWINGS. BURIAL DEPTHS FOR CONDUITS WITH MEDIUM VOLTAGE CABLES SHALL BE INSTALLED AT 42" BELOW GRADE.



4 FLOODLIGHT STANCHION BASE DETAIL
NOT TO SCALE

3 UNDERGROUND BRANCH CIR. CONDUIT(S) DETAIL
NOT TO SCALE

2 SLEEVE SEAL SYSTEM WITH SLEEVE DETAIL
NOT TO SCALE



1 ELECTRICAL SITE PLAN
1" = 20'-0"

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ARCHITECT

FANNING HOWEY

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CONSULTANT



KEY PLAN

100% CONSTRUCTION DRAWINGS



DRAWN BY: DLJ
PROJECT NUMBER: 222152.06
PROJECT ISSUE DATE: 01/30/2024

REV. NO.	DESCRIPTION	DATE

ELECTRICAL SITE PLAN

ES101