

ELECTRICAL NOTES

- ⚠ CONTRACTOR SHALL DIRECTIONAL BORE TWO (2) 3" SCHEDULE 40 PVC CONDUIT BELOW GRADE AND SCH 80 PVC CONDUIT ABOVE GRADE WITH SUITABLE FISH WIRE. PROVIDE A PULL WIRE IN EACH CONDUIT.
- ⚠ CONTRACTOR SHALL DIRECTIONAL BORE ONE 1" SCH 40 PVC CONDUIT FROM NEW MDP TO POLE F2 AND SCH 80 PVC CONDUIT ABOVE GRADE. INSTALL JUNCTION BOX & INSTALL 2-#12 THWN & 1-#12 GND TO POLE F2 AND 4-#12 THWN & 2-#12 GND TO BE CONTINUED TO POLE F1. PROVIDE A PULL WIRE IN EACH CONDUIT.
- ⚠ CONTRACTOR SHALL DIRECTIONAL BORE ONE 1" SCH 40 PVC CONDUIT FROM POLE F2 TO POLE F1 AND SCH 80 PVC CONDUIT ABOVE GRADE. CONTINUE PULL 4-#12 THWN & 2-#12 GND TO POLE F1. THESE WIRES SHALL BE CONTINUOUS FROM MDP. PROVIDE A PULL WIRE IN EACH CONDUIT.
- ⚠ CONTRACTOR SHALL DIRECTIONAL BORE ONE 1-1/4" SCH 40 PVC CONDUIT FROM NEW MDP TO POLE F4 AND SCH 80 PVC CONDUIT ABOVE GRADE. INSTALL JUNCTION BOX & INSTALL 2-#10 THWN & 1-#12 GND TO POLE F4 AND 2-#8 THWN & 1-#12 GND TO BE CONTINUED TO POLE F3. PROVIDE A PULL WIRE IN EACH CONDUIT.
- ⚠ CONTRACTOR SHALL DIRECTIONAL BORE ONE 1" SCH 40 PVC CONDUIT FROM POLE F4 TO POLE F3 AND SCH 80 PVC CONDUIT ABOVE GRADE. CONTINUE 2-#8 THWN & 1-#12 GND TO POLE F3. THESE WIRES SHALL BE CONTINUOUS FROM MDP. PROVIDE A PULL WIRE IN EACH CONDUIT.

GENERAL SITE NOTES

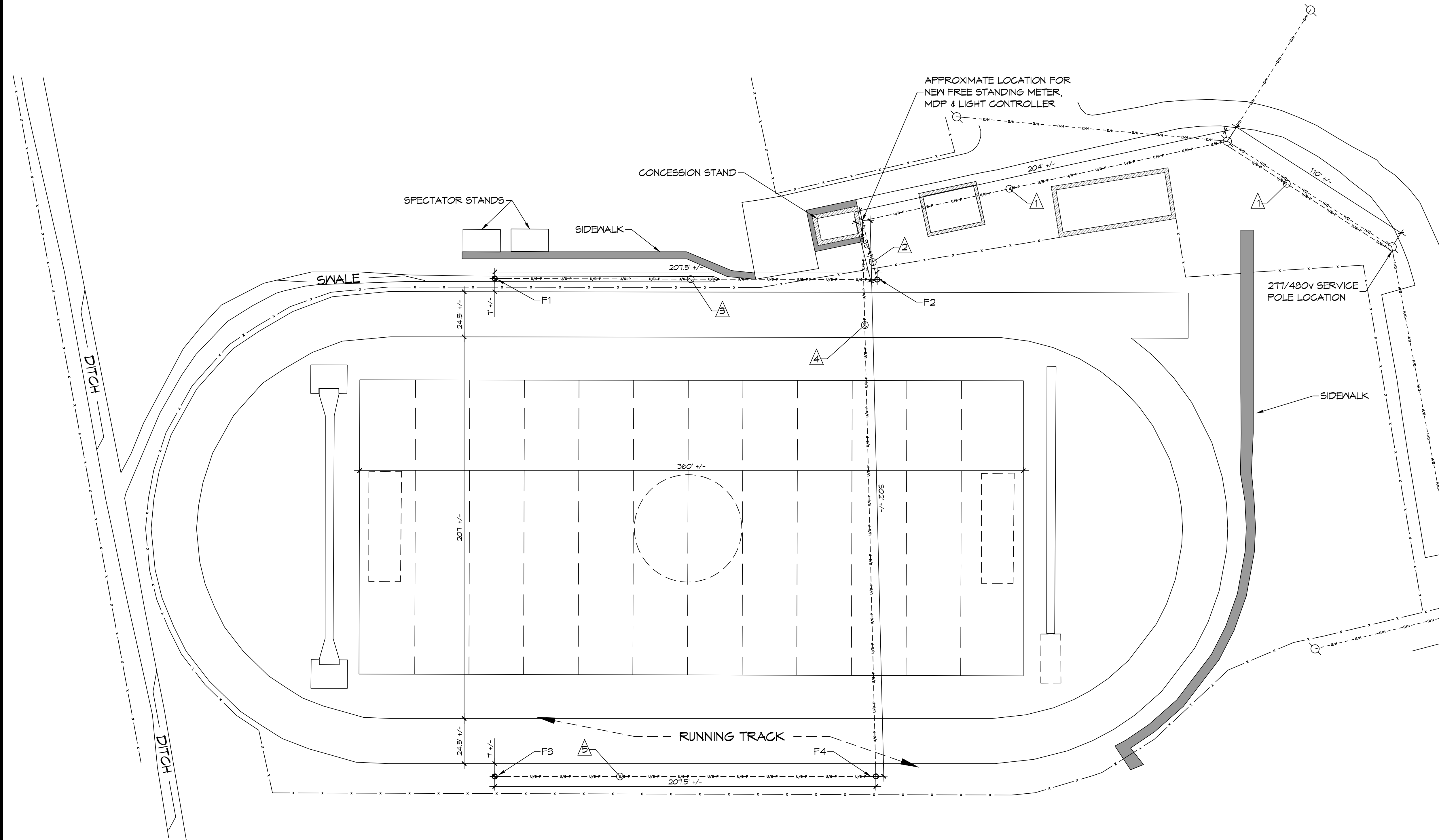
- 1. THIS PROJECT IS FOR THE CONSTRUCTION OF A LIGHTING SYSTEM TO BE INSTALLED ON CLASS B POLES TO ILLUMINATE THE SOCCER FIELD INSIDE THE TRACK.
- 2. CONTRACTOR SHALL MINIMIZE ANY AND ALL EQUIPMENT ON THE EXISTING RUNNING TRACK AND SOCCER FIELD. WHEN PLACING EQUIPMENT ON THE EXISTING RUNNING TRACK OR SOCCER FIELD PADS SHALL BE UTILIZED TO MINIMIZE IMPACT TO THESE SURFACES.
- 3. THE EXISTING FENCE ALONG THE PERIMETER OF THE FIELD SHALL BE REMOVED AND REINSTALLED IN THE AFFECTED AREAS. STORE THE FENCE MATERIALS IN A SECURE AREA TO BE REINSTALLED.
- 4. PROVIDE TEMPORARY FENCING AROUND OPEN HOLES WHEN DRILLING FOR LIGHT POLES.

LIGHTING NOTES

- 1. THIS PROJECT IS TO PROVIDE LED LIGHTING FOR THE LIGHTING AT TRACK (SOCCER FIELD) WITH APPROXIMATE DIMENSIONS OF 207 X 360' AND ALSO THE EGRESS LIGHTING.
- 2. SOCCER FIELDS SHALL HAVE MINIMUM LIGHTING OF 30 FT CANDLES CONSTANT LIGHT LEVEL WITH A UNIFORMITY RATIO OF 2:1.
- 3. LIGHTING SHALL BE INSTALLED ON AN 80 FT CLASS B WOOD POLE. EACH POLE WILL BE INSTALLED WITH 10 FT ABOVE GROUND. THE LOCATION(S) OF THE POLES ARE APPROXIMATE AND SHALL BE DETERMINED BY THE LIGHTING MANUFACTURE TO OBTAIN PROPER LIGHTING LEVELS.
- 4. SEE SPECIFICATIONS FOR MORE REQUIREMENTS.

GENERAL POWER NOTES

- 1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED. ELECTRICAL CONTRACTOR SHALL VERIFY ALL WIRE AND CONDUIT SIZES FOR MECHANICAL EQUIPMENT TO BE INSTALLED.
- 2. ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
- 3. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION OF ALL LIGHTING FIXTURES, DISCONNECTS AND POWER PANEL, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
- 4. PRIOR TO QUOTING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
- 5. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
- 6. ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
- 7. PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
- 8. CONTRACTOR SHALL INSTALL WIRING, CIRCUIT BREAKERS AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
- 9. ALL 120V RUNS LONGER THAN 60 FEET SHALL BE MINIMUM OF #10 AWG AND 277V RUNS LONGER THAN 150 FEET SHALL BE MINIMUM OF #10 AWG UNLESS NOTED OTHERWISE.
- 10. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:250-63, NFPA 250-23, 250-11 & 250-12.
- 11. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-230.
- 12. FUSES SHALL BE ITC CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
- 13. EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE IS CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ABUTTING PROPERTY LINE.
- 14. VERIFY ELECTRICAL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.



1 PARTIAL SITE PLAN
SCALE: NTS

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#	DESCRIPTION	DATE



LIGHTING AT TRACK
PEARL RIVER
SCHOOL

JOB No: 2441 DATE: 2/8/2024
DRAWN BY: PPD CHECKED BY: CKD

SHEET TITLE:
ELECTRICAL SITE PLAN

DRAWING NUMBER:

E101

