optima
engineering

1927 South Tryon St.,Suite 300, Charlotte NC 28203
Phone: 704.338.1292 • www.optimaengineering.com

LS3P

227 WEST TRADE STREET   SUITE 700
CHARLOTTE, NORTH CAROLINA   28202
TEL. 704.333.6686   FAX 704.333.2926
WWW.LS3P.COM

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No. C00710

December 05, 2019

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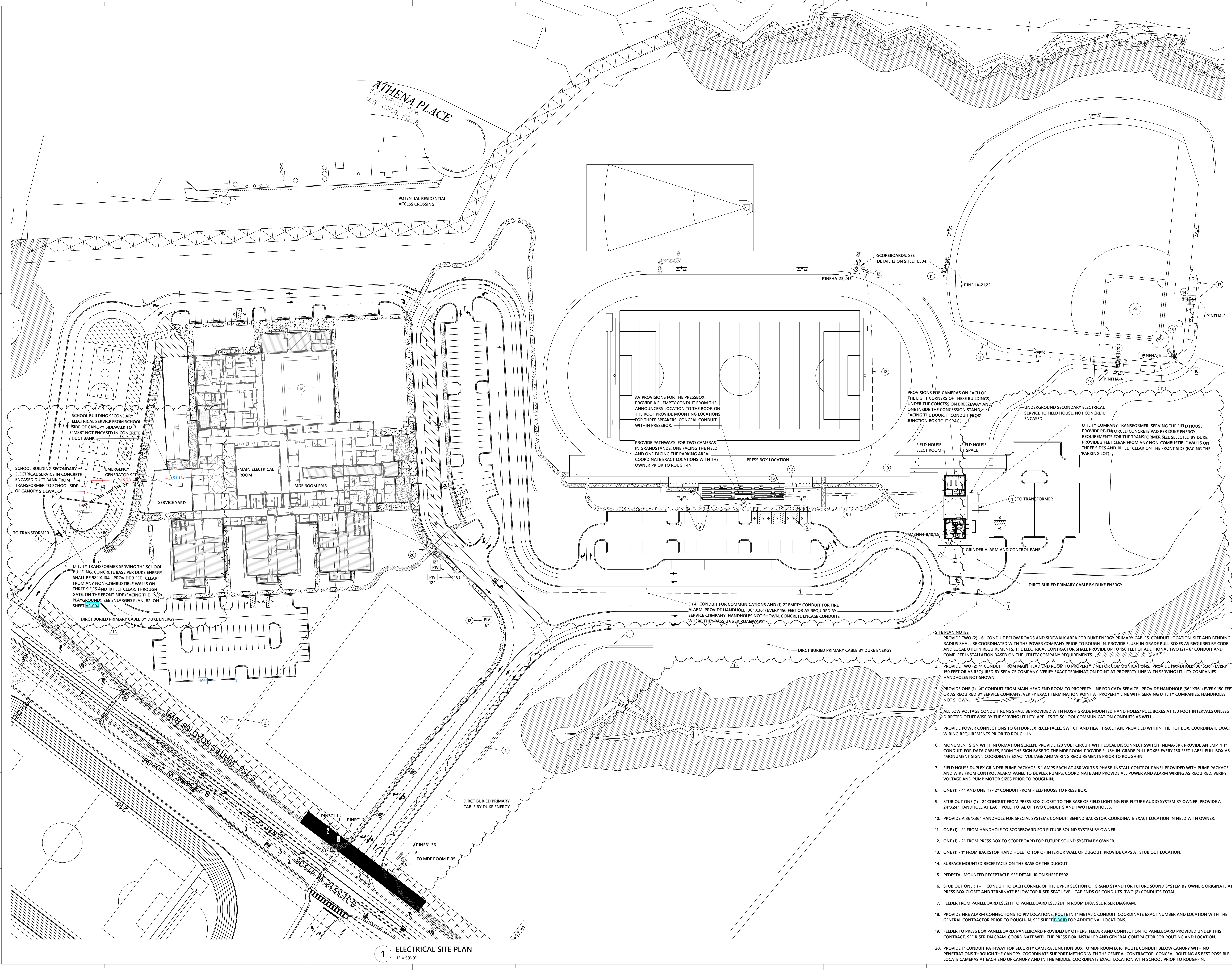
REVISIONS:

No.	Description	Date
1	DUKE ENERGY TX COMMENTS	December 05, 2019

PROJECT: 9201-178520
DATE: JUNE 19, 2019
DRAWN BY: JR
CHECKED BY: MM

ELECTRICAL SITE
PLAN

E-010

OPTIMA # 18-0234   3 of 72

BID DOCUMENTS

SITE PLAN NOTES

1. PROVIDE TWO (2) - 6" CONDUIT BELOW ROADS AND SIDEWALK AREA FOR DUKE ENERGY PRIMARY CABLES. CONDUIT LOCATION, SIZE AND BENDING RADIUS SHALL BE COORDINATED WITH THE POWER COMPANY PRIOR TO ROUGH-IN. PROVIDE FLUSH IN GRADE PULL BOXES AS REQUIRED BY CODE AND LOCAL UTILITY REQUIREMENTS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE UP TO 150 FEET OF ADDITIONAL TWO (2) - 6" CONDUIT AND COMPLETE INSTALLATION BASED ON THE UTILITY COMPANY REQUIREMENTS.

2. PROVIDE TWO (2) 4" CONDUIT FROM MAIN HEAD END ROOM TO PROPERTY LINE FOR COMMUNICATIONS. PROVIDE HANDHOLE (36" X36") EVERY 150 FEET OR AS REQUIRED BY SERVICE COMPANY. VERIFY EXACT TERMINATION POINT AT PROPERTY LINE WITH SERVING UTILITY COMPANIES. HANDHOLES NOT SHOWN.

3. PROVIDE ONE (1) -4" CONDUIT FROM MAIN HEAD END ROOM TO PROPERTY LINE FOR CATV SERVICE. PROVIDE HANDHOLE (36" X36") EVERY 150 FEET OR AS REQUIRED BY SERVICE COMPANY. VERIFY EXACT TERMINATION POINT AT PROPERTY LINE WITH SERVING UTILITY COMPANIES. HANDHOLES NOT SHOWN.

4. ALL LOW VOLTAGE CONDUIT RUNS SHALL BE PROVIDED WITH FLUSH GRADE MOUNTED HAND HOLES/ PULL BOXES AT 150 FOOT INTERVALS UNLESS DIRECTED OTHERWISE BY THE SERVING UTILITY. APPLIES TO SCHOOL COMMUNICATION CONDUITS AS WELL.

5. PROVIDE POWER CONNECTIONS TO GFI DUPLEX RECEPTACLE, SWITCH AND HEAT TRACE TAPE PROVIDED WITHIN THE HOT BOX. COORDINATE EXACT WIRING REQUIREMENTS PRIOR TO ROUGH-IN.

6. MONUMENT SIGN WITH INFORMATION SCREEN. PROVIDE 120 VOLT CIRCUIT WITH LOCAL DISCONNECT SWITCH (NEMA-3R). PROVIDE AN EMPTY 1" CONDUIT, FOR DATA CABLES, FROM THE SIGN BASE TO THE MDF ROOM. PROVIDE FLUSH IN-GRADE PULL BOXES EVERY 150 FEET. LABEL PULL BOX AS "MONUMENT SIGN". COORDINATE EXACT VOLTAGE AND WIRING REQUIREMENTS PRIOR TO ROUGH-IN.

7. FIELD HOUSE DUPLEX GRINDER PUMP PACKAGE. 5.1 AMPS EACH AT 480 VOLTS 3 PHASE. INSTALL CONTROL PANEL PROVIDED WITH PUMP PACKAGE AND WIRE FROM CONTROL ALARM PANEL TO DUPLEX PUMPS. COORDINATE AND PROVIDE ALL POWER AND ALARM WIRING AS REQUIRED. VERIFY VOLTAGE AND PUMP MOTOR SIZES PRIOR TO ROUGH-IN.

8. ONE (1) - 4" AND ONE (1) - 2" CONDUIT FROM FIELD HOUSE TO PRESS BOX.

9. STUB OUT ONE (1) - 2" CONDUIT FROM PRESS BOX CLOSET TO THE BASE OF THE FIELD LIGHTING FOR FUTURE AUDIO SYSTEM BY OWNER. PROVIDE A 24"X24" HANDHOLE AT EACH POLE. TOTAL OF TWO CONDUITS AND TWO HANDHOLES.

10. PROVIDE A 36"X36" HANDHOLE FOR SPECIAL SYSTEMS CONDUIT BEHIND BACKSTOP. COORDINATE EXACT LOCATION IN FIELD WITH OWNER.

11. ONE (1) - 2" FROM HANDHOLE TO SCOREBOARD FOR FUTURE SOUND SYSTEM BY OWNER.

12. ONE (1) - 2" FROM PRESS BOX TO SCOREBOARD FOR FUTURE SOUND SYSTEM BY OWNER.

13. ONE (1) - 1" FROM BACKSTOP HAND HOLE TO TOP OF INTERIOR WALL OF DUGOUT. PROVIDE CAPS AT STUB OUT LOCATION.

14. SURFACE MOUNTED RECEPTACLE ON THE BASE OF THE DUGOUT.

15. PEDESTAL MOUNTED RECEPTACLE. SEE DETAIL 10 ON SHEET E502.

16. STUB OUT ONE (1) - 1" CONDUIT TO EACH CORNER OF THE UPPER SECTION OF GRAND STAND FOR FUTURE SOUND SYSTEM BY OWNER. ORIGINATE AT PRESS BOX CLOSET AND TERMINATE BELOW TOP RISER SEAT LEVEL. CAP ENDS OF CONDUITS. TWO (2) CONDUITS TOTAL.

17. FEEDER FROM PANELBOARD LSL2FH TO PANELBOARD LSLD2D1 IN ROOM D107. SEE RISER DIAGRAM.

18. PROVIDE FIRE ALARM CONNECTIONS TO PIV LOCATIONS. ROUTE IN 1" METALIC CONDUIT. COORDINATE EXACT NUMBER AND LOCATION WITH THE GENERAL CONTRACTOR PRIOR TO ROUGH-IN. SEE SHEET E-301D FOR ADDITIONAL LOCATIONS.

19. FEEDER TO PRESS BOX PANELBOARD. PANELBOARD PROVIDED BY OTHERS. FEEDER AND CONNECTION TO PANELBOARD PROVIDED UNDER THIS CONTRACT. SEE RISER DIAGRAM. COORDINATE WITH THE PRESS BOX INSTALLER AND GENERAL CONTRACTOR FOR ROUTING AND LOCATION.

20. PROVIDE 1" CONDUIT PATHWAY FOR SECURITY CAMERA JUNCTION BOX TO MDF ROOM E016. ROUTE CONDUIT BELOW CANOPY WITH NO PENETRATIONS THROUGH THE CANOPY. COORDINATE SUPPORT METHOD WITH THE GENERAL CONTRACTOR. CONCEAL ROUTING AS BEST POSSIBLE. LOCATE CAMERAS AT EACH END OF CANOPY AND IN THE MIDDLE. COORDINATE EXACT LOCATION WITH SCHOOL PRIOR TO ROUGH-IN.

1 ELECTRICAL SITE PLAN
    1" = 50'-0"