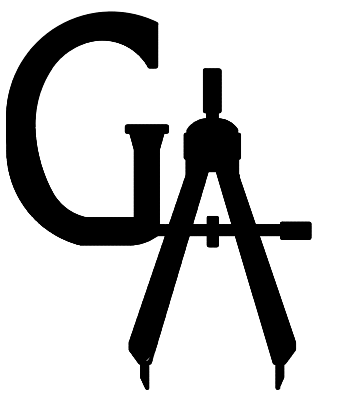




LIGHTING SYSTEM FOR BASEBALL FIELD 2 ORANGE BEACH SPORTS COMPLEX ORANGE BEACH, ALABAMA



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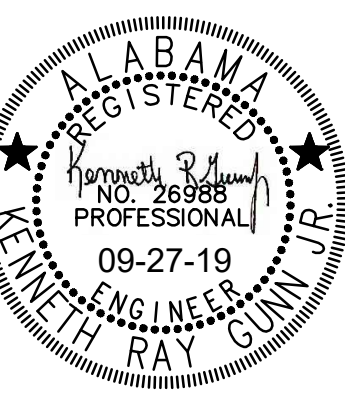
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LIGHTING SYSTEM FOR
ORANGE BEACH SPORTS COMPLEX
BASEBALL FIELD 2

ORANGE BEACH, ALABAMA



TITLE SHEET

JOB NO.:	19-212
DATE:	09-27-19
DRAWN:	J.C.T.
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SEQ. NO.	

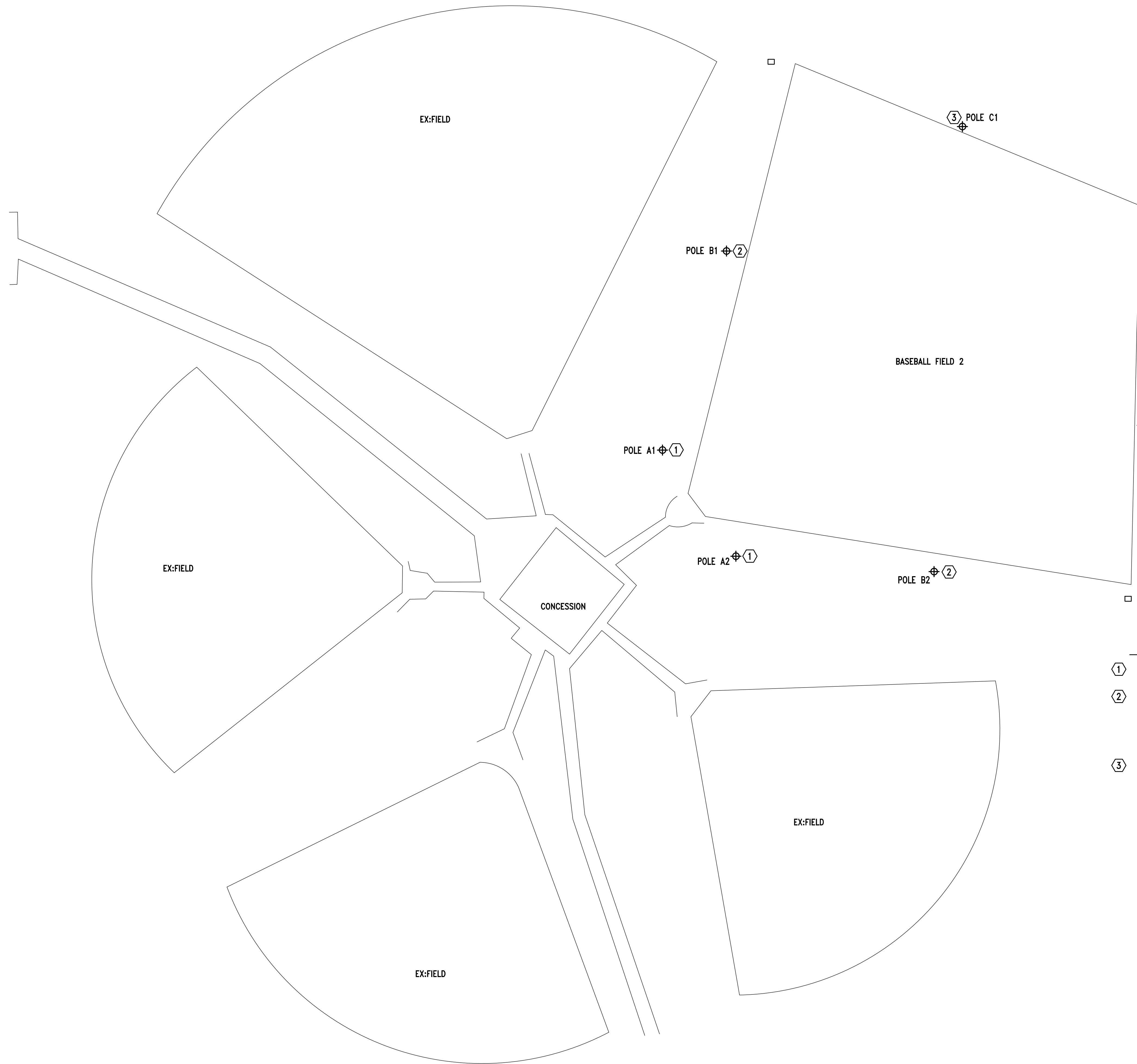
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SHEET NOTES:

- ① CONTRACTOR TO REMOVE EXISTING SPORTS LIGHTERS AND CROSSARMS FROM EXISTING "A" POLES TO REMAIN. MAINTAIN ELECTRICAL FEED FOR NEW LIGHTS.
- ② CONTRACTOR SHALL REMOVE EXISTING "B" POLE, LIGHTS, AND CROSSARMS TO MAKE WAY FOR NEW TALLER POLE. OWNER HAS FIRST RIGHT OF REFUSAL, ANYTHING REFUSED BECOMES THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND DISPOSED OF. FEEDER WILL BE INTERCEPTED AND EXTENDED TO FEED NEW "B" POLE IN CLOSE PROXIMITY TO EXISTING POLE LOCATION. SEE NEW WORK FOR DETAILS. DEMOLITION OF B POLES SHALL BE PERFORMED WITHIN 30-DAYS OF CONTRACT. FILL IN HOLES LEFT BY REMOVED POLES.
- ③ CONTRACTOR SHALL REMOVE EXISTING "C" POLE, LIGHTS, AND CROSSARMS TO MAKE WAY FOR NEW FIELD EXPANSION. OWNER HAS FIRST RIGHT OF REFUSAL, ANYTHING REFUSED BECOMES THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND DISPOSED OF. FEEDER WILL BE INTERCEPTED AND EXTENDED TO FEED NEW "C" POLE. SEE NEW WORK FOR DETAILS. DEMOLITION OF C POLES SHALL BE PERFORMED WITHIN 30-DAYS OF CONTRACT. FILL IN HOLES LEFT BY REMOVED POLES.



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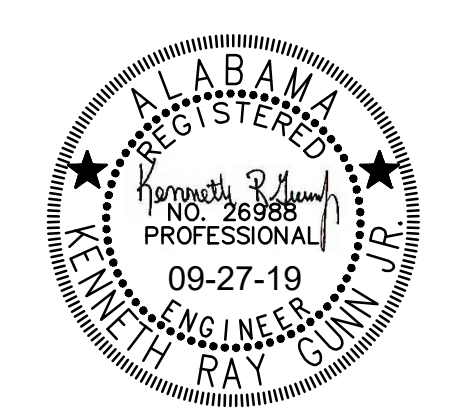
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LIGHTING SYSTEM FOR ORANGE BEACH SPORTS COMPLEX BASEBALL FIELD 2

ORANGE BEACH, ALABAMA



BASEBALL COMPLEX PLAN - DEMOLITION

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LIGHTING SYSTEM FOR ORANGE BEACH SPORTS COMPLEX BASEBALL FIELD 2

ORANGE BEACH, ALABAMA



BASEBALL COMPLEX PLAN - NEW WORK

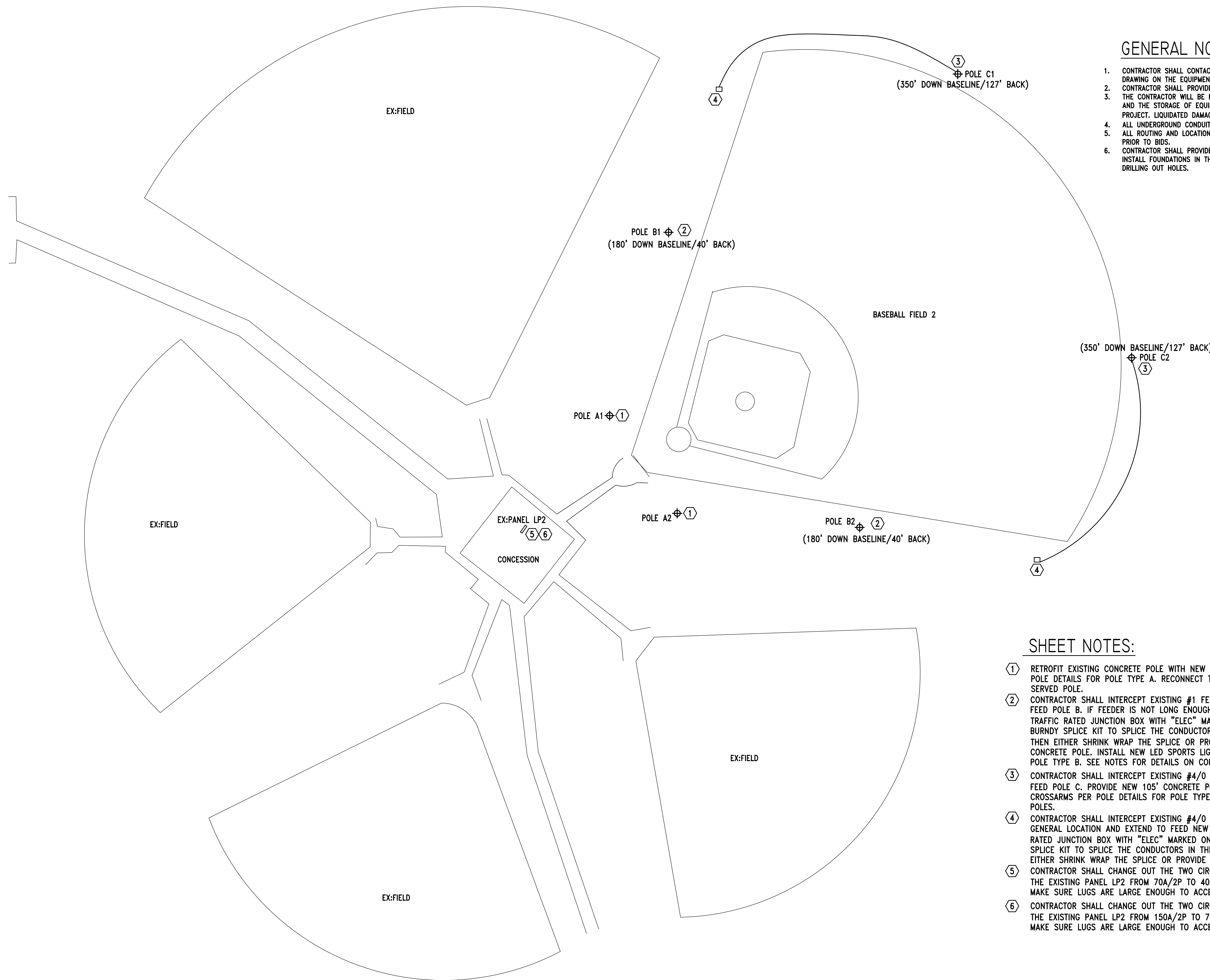
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SEQ. NO.	

SHEET NO.:

E-2

GENERAL NOTES:

- CONTRACTOR SHALL CONTACT MUSCO FOR BILL OF MATERIAL, MUSCO FOUNDATION AND POLE ASSEMBLY DRAWING ON THE EQUIPMENT BEING SUPPLIED BY OWNER.
- CONTRACTOR SHALL PROVIDE NEW SOD FOR ALL DISTURBED AREAS. SOD SHALL BE 419 TIFTON BERMUDA. THE CONTRACTOR WILL BE RESPONSIBLE FOR TAKING SHIPMENT OF THE MUSCO EQUIPMENT, THE OFFLOAD, AND THE STORAGE OF EQUIPMENT ON SITE. THE CONTRACTOR WILL HAVE 60-DAYS TO COMPLETE THE PROJECT. LIQUIDATED DAMAGES WILL BE \$200 PER CALENDAR DAY PAST THE 60-DAY CONSTRUCTION PERIOD.
- ALL UNDERGROUND CONDUITS SHALL BE 30" MINIMUM BELOW GRADE TO THE TOP OF THE CONDUIT.
- ALL ROUTING AND LOCATIONS IS SHOWN DIAGRAMMATIC. VERIFY ACTUAL ROUTING AND FIELD CONDITIONS PRIOR TO BIDS.
- CONTRACTOR SHALL PROVIDE CAISSONS, DEWATERING, AND ANY OTHER REQUIRED MATERIAL AND LABOR TO INSTALL FOUNDATIONS IN THIS HIGH WATER TABLE LOCATION. THE CONTRACTOR WILL RUN INTO WATER WHILE DRILLING OUT HOLES.



SHEET NOTES:

- RETROFIT EXISTING CONCRETE POLE WITH NEW LED SPORTS LIGHTERS AND CROSSARMS PER POLE DETAILS FOR POLE TYPE A. RECONNECT TO EXISTING #6 CIRCUITRY THAT PREVIOUSLY SERVED POLE.
- CONTRACTOR SHALL INTERCEPT EXISTING #1 FEEDER AND EXTEND TO NEW POLE LOCATION TO FEED POLE B. IF FEEDER IS NOT LONG ENOUGH FOR NEW LOCATION PROVIDE IN-GRADE LIGHT TRAFFIC RATED JUNCTION BOX WITH "ELEC" MARKED ON COVER TO INTERCEPT FEEDER. PROVIDE BURNDY SPLICE KIT TO SPLICE THE CONDUCTORS IN THE JUNCTION BOX. CONTRACTOR SHALL THEN EITHER SHRINK WRAP THE SPLICE OR PROVIDE 3M TAPE TO COVER. PROVIDE NEW 105' CONCRETE POLE. INSTALL NEW LED SPORTS LIGHTERS, AND CROSSARMS PER POLE DETAILS FOR POLE TYPE B. SEE NOTES FOR DETAILS ON CONCRETE POLES.
- CONTRACTOR SHALL INTERCEPT EXISTING #4/0 FEEDER AND EXTEND TO NEW POLE LOCATION TO FEED POLE C. PROVIDE NEW 105' CONCRETE POLE. INSTALL NEW LED SPORTS LIGHTERS, AND CROSSARMS PER POLE DETAILS FOR POLE TYPE C. SEE NOTES FOR DETAILS ON CONCRETE POLES.
- CONTRACTOR SHALL INTERCEPT EXISTING #4/0 FEEDER THAT PREVIOUSLY FEED C POLE IN THIS GENERAL LOCATION AND EXTEND TO FEED NEW POLE C. PROVIDE IN-GRADE LIGHT TRAFFIC RATED JUNCTION BOX WITH "ELEC" MARKED ON COVER TO INTERCEPT FEEDER. PROVIDE BURNDY SPLICE KIT TO SPLICE THE CONDUCTORS IN THE JUNCTION BOX. CONTRACTOR SHALL THEN EITHER SHRINK WRAP THE SPLICE OR PROVIDE 3M TAPE TO COVER.
- CONTRACTOR SHALL CHANGE OUT THE TWO CIRCUIT BREAKERS FEEDING A1 AND A2 POLES IN THE EXISTING PANEL LP2 FROM 70A/2P TO 40A/2P CIRCUIT BREAKERS (MATCH AIC RATING). MAKE SURE LUGS ARE LARGE ENOUGH TO ACCEPT EXISTING WIRE.
- CONTRACTOR SHALL CHANGE OUT THE TWO CIRCUIT BREAKERS FEEDING C1 AND C2 POLES IN THE EXISTING PANEL LP2 FROM 150A/2P TO 70A/2P CIRCUIT BREAKERS (MATCH AIC RATING). MAKE SURE LUGS ARE LARGE ENOUGH TO ACCEPT EXISTING WIRE.



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LIGHTING SYSTEM FOR ORANGE BEACH SPORTS COMPLEX BASEBALL FIELD 2

ORANGE BEACH, ALABAMA



POLE DETAILS

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E-3

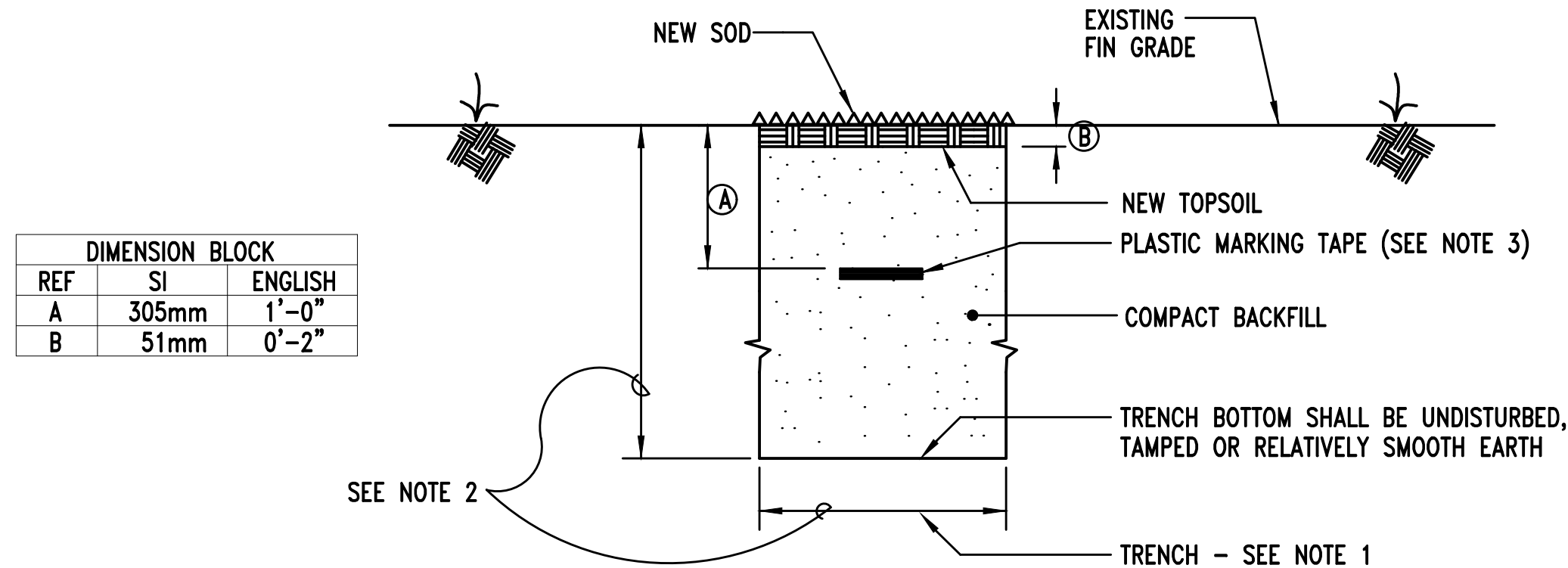
THE OWNER WILL BE SUPPLYING THE SPORTS LIGHTERS, GALVANIZED POLES, CROSSARMS, DRIVER BOXES, AND INTERIOR POLE WIRE HARNESS FOR THE CONTRACTOR TO INSTALL. CONTRACTOR SHALL SUPPLY EVERYTHING ELSE FOR COMPLETE SYSTEM. THE OWNER PROVIDED EQUIPMENT IS MUSCO LIGHTING SYSTEM.

BASE BID:

THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE ONE (1) NEW CONCRETE POLE FOR B1. BALDWIN LIGHTING CONCRETE 105' OVERALL HEIGHT POLE ARE THE APPROVED POLE FOR THIS JOB. ALTERNATE MANUFACTURER'S WILL BE CONSIDERED IF SUBMITTED 7-DAYS PRIOR TO BIDS AND SHOWN TO HANDLE THE WIND LOADS OF THIS AREA WITH THE EPA OF THE SPORTS LIGHTERS. PROVIDE SIGNED & SEALED POLE AND FOUNDATION DESIGNS BY POLE PROVIDER.

NOTES:

- TRENCH/CUT EXISTING SURFACES. BACKFILL/PATCH/REPAIR AND INSTALL NEW SOD.
- TRENCH DEPTH AND WIDTH SHALL BE AS REQUIRED FOR THE INSTALLATION OF THE RACEWAY LINE SPECIFIED. SEE APPLICABLE RACEWAY LINE SECTION.
- PLASTIC MARKER TAPE SHALL BE RED AND CONTAIN FOIL BACKING OR EQUIVALENT TO ENABLE DETECTION BY A METAL DETECTOR. SEE SPECIFICATIONS.



DIMENSION BLOCK		
REF	SI	ENGLISH
A	305mm	1'-0"
B	51mm	0'-2"

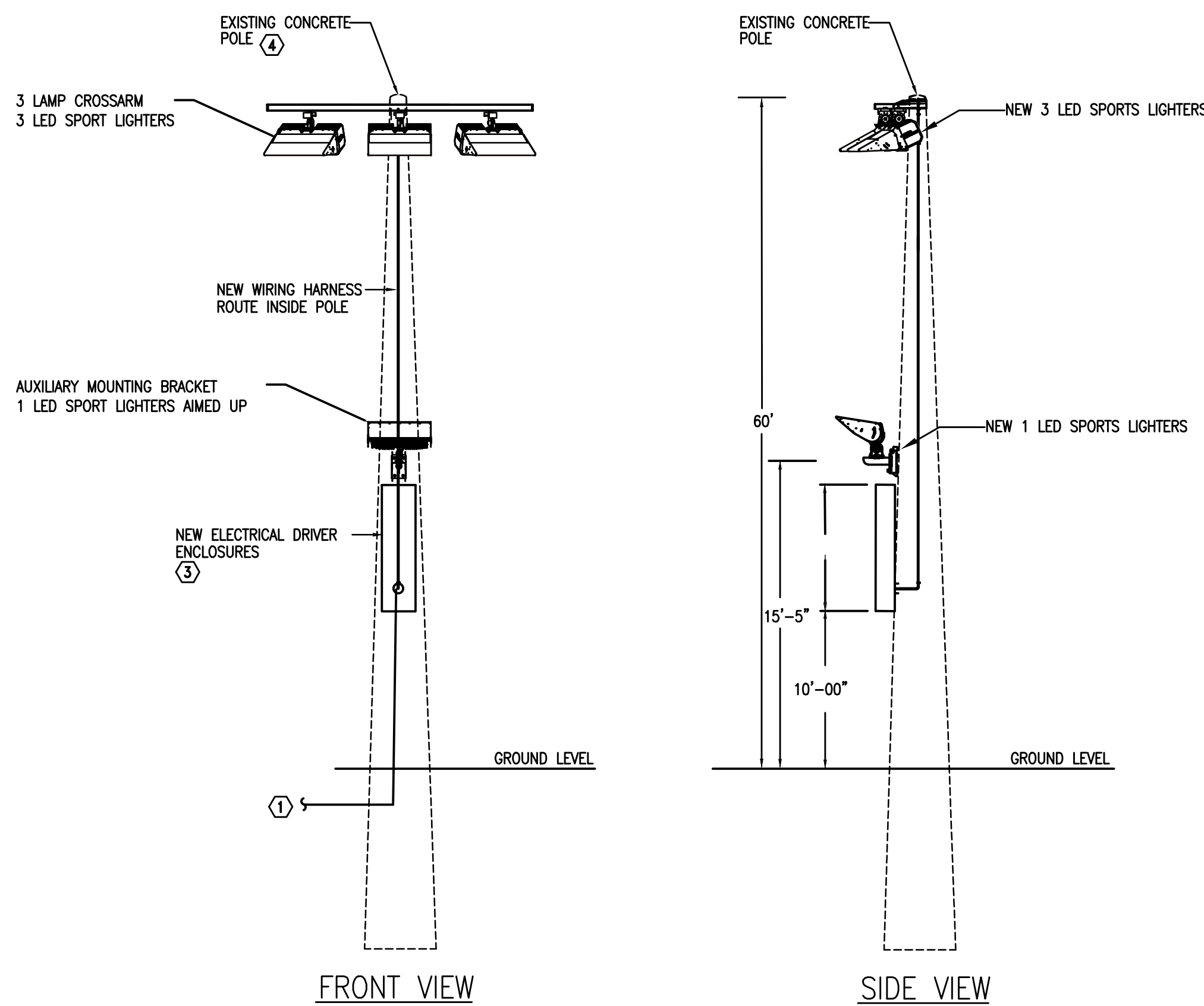
4 E-3 DETAIL - TYPICAL TRENCH/BACKFILL/REPAIR SODDED AREAS NOT TO SCALE

FOUNDATION NOTES:

- A GEOTECHNICAL REPORT WILL BE PROVIDED TO POLE MANUFACTURER SO THAT THEY CAN COMPLETE THE FOUNDATION DESIGNS. FOUNDATION DESIGN TO BE PROVIDED BY MUSCO.

DETAIL KEYED NOTES:

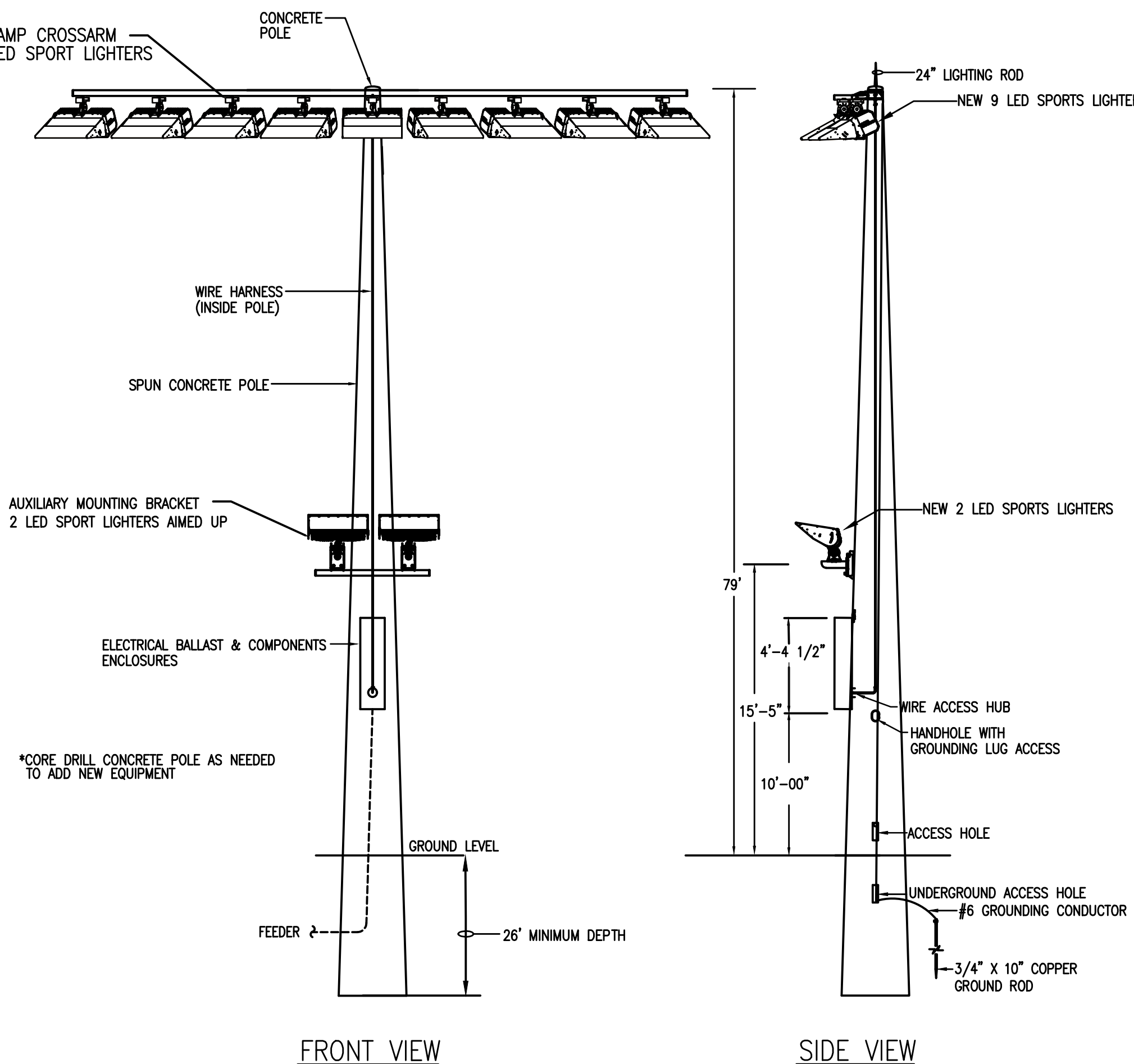
- CONTRACTOR SHALL INTERCEPT THE EXISTING FEEDER FOR THE SPORTSFIELD LIGHTING AND REROUTE TO THE NEW DRIVER ENCLOSURE.
- NEW CROSSARMS AND SPORTSFIELD LIGHTING SHALL BE MOUNTED TO EXISTING POLE.
- EXISTING POLE WILL BE CORE DRILLED AT THE NEW BALLAST ENCLOSURE TO GIVE ACCESS TO THE INTERIOR DUCT TO RUN THE WIRING HARNESS CONCEALED IN POLE.
- CONTRACTOR TO REMOVE EXISTING SPORTS LIGHTERS AND CROSSARMS FROM EXISTING POLES. PRIOR TO NEW WORK BEGINNING.



1 E-3 POLE DETAIL FOR POLES "A1 & A2" NO SCALE

CONCRETE POLE:

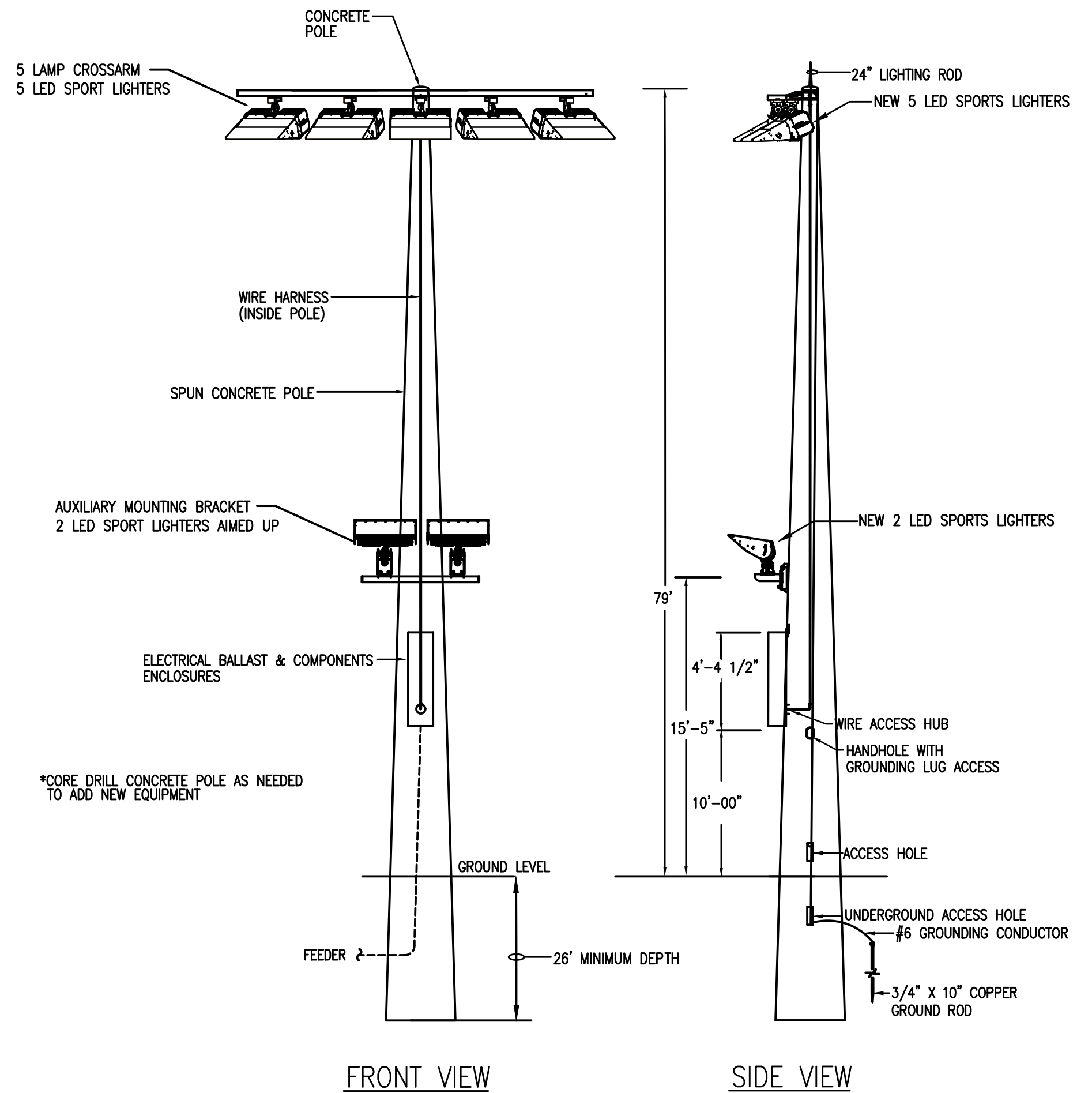
- CONCRETE POLE THAT WILL BE USED FOR B2 IS CURRENTLY ON SITE. CONTRACTOR RESPONSIBLE FOR TRANSPORTING THE POLE TO THE LOCATION NEEDED AND SETTING THE POLE. VISIT SITE PRIOR TO BIDS TO CONFIRM REQUIREMENTS TO TRANSPORT POLE. CONTRACTOR TO PROVIDE NEW 105' CONCRETE POLE FOR B1 AND INCLUDE IN THEIR BASE BID PRICE.



2 E-3 CONCRETE POLE DETAIL FOR POLE "B1 & B2" NO SCALE

CONCRETE POLE:

- CONCRETE POLE THAT WILL BE USED FOR C1 AND C2 IS CURRENTLY ON SITE. CONTRACTOR RESPONSIBLE FOR TRANSPORTING THE POLE TO THE LOCATION NEEDED AND SETTING THE POLE. VISIT SITE PRIOR TO BIDS TO CONFIRM REQUIREMENTS TO TRANSPORT POLE.



3 E-3 NEW CONCRETE POLE DETAIL FOR POLE "C1 & C2" NO SCALE