ELECTRICAL SITE SPECS. NOTES

A. 15 KV, 750KCMIL, SINGLE CONDUCTOR, PRIMARY CABLE

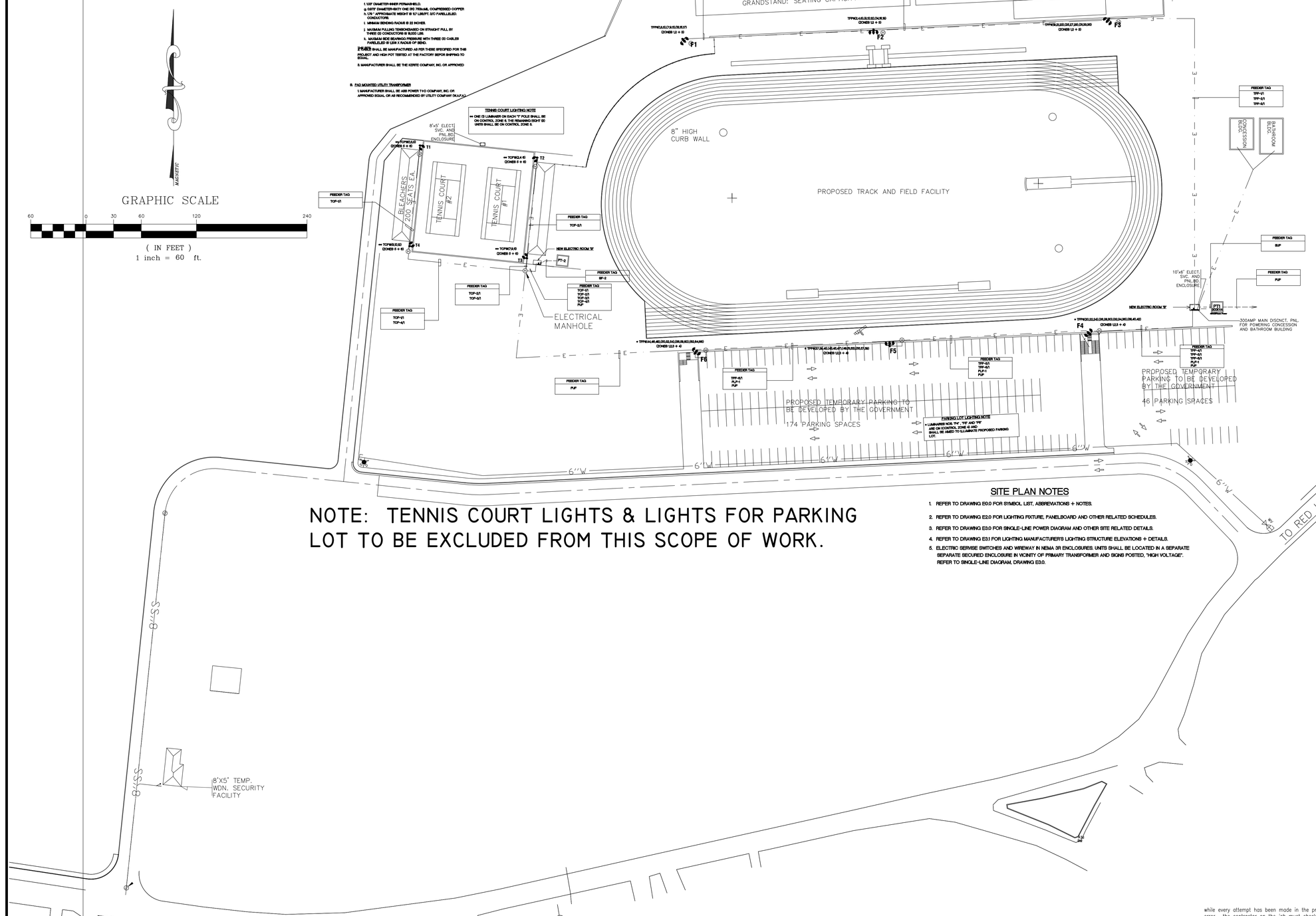
1. CABLE SHALL CONSIST OF THE FOLLOWING COMPONENTS:
   a. 1.75 " DIAMETER-OUTER "LLPE JACKET (30 mil) OVER CONCENTRIC CONDUCTORS.
   b. .187" DIAMETER-TWENTY FOUR (24) #10 AWG, CENCENTRIC COPPER CONDUCTORS.
   c. 1.47" DIAMETER-60M CONDUCTOR SEMICONS TAPE.
   d. 1.47" DIAMETER-OUTER PARAMSHIELD.
   e. .135" DIAMETER-XERTE TEPR INSULATION.
   f. 1.037 DIAMETER-INNER PERMASHIELD.
   g. 0.0707 DIAMETER-(NOT ONE (1) 750 MIL, COMPRESSED COPPER
   h. 1.75 " APPROXIMATE WEIGHT IS 1.7 LBS/FT. S/C PARELLELED. CONDUCTORS.
   i. MINIMUM BENDING RADIUS IS 22 INCHES.
   j. MAXIMUM PULLING TENSIONSERED ON STRAIGHT PULL, BY THREE (3) CONDUCTORS IS 10,000 LBS.
   k. MAXIMUM SIDE BEARINGO PRESSURE WITH THREE (3) CABLES PARELLELED IS 1200 X RADIUS OF BEND.

PLEASE SHALL BE MANUFACTURED AS PER THERE SPECIFIED FOR THIS PROJECT AND HIGH POT TESTED AT THE FACTORY BEFOR SHIPPING TO EDWIN.

2. MANUFACTURER SHALL BE THE XERTE COMPANY, INC. OR APPROVED

B. PAD MOUNTED UTILITY TRANSFORMER

1. MANUFACTURER SHALL BE ABB POWER T+D COMPANY, INC. OR APPROVED EQUAL OR AS RECOMMENDED BY UTILITY COMPANY (M.A.P.A.)



NOTE: TENNIS COURT LIGHTS & LIGHTS FOR PARKING LOT TO BE EXCLUDED FROM THIS SCOPE OF WORK.

SITE PLAN NOTES

1. REFER TO DRAWING E0.0 FOR SYMBOL LIST, ABBREVIATIONS + NOTES.
2. REFER TO DRAWING E2.0 FOR LIGHTING FIXTURE, PANELBOARD AND OTHER RELATED SCHEDULES.
3. REFER TO DRAWING E3.0 FOR SINGLE-LINE POWER DIAGRAM AND OTHER SITE RELATED DETAILS.
4. REFER TO DRAWING E3.1 FOR LIGHTING MANUFACTURER'S LIGHTING STRUCTURE ELEVATIONS + DETAILS.
5. ELECTRIC SERWISE SWITCHES AND WIREWAY IN NEMA 3R ENCLOSURES. UNITS SHALL BE LOCATED IN A SEPARATE SEPARATE SECURED ENCLOSURE IN VICINITY OF PRIMARY TRANSFORMER AND SIGNS POSTED, "HIGH VOLTAGE". REFER TO SINGLE-LINE DIAGRAM, DRAWING E3.0.

while every attempt has been made in the preparation of this plan to avoid mistakes, the a/e cannot guarantee against human error. the contractor on the job must check all dimensions, details, and the construction site and be responsible for same.

Caribbean Professional Consultants
P.O.Box303509
St.Thomas U.S.V.I. 00803
Tel.: 809-774-3357

REVISIONS

NO.	DATE	REMARKS

ELECTRICAL SITE LIGHTING PLAN

BATHROOM AND CONCESSION BUILDINGS
FOR: IVANNA EUDORA KEAN HIGH SCHOOL
ATHLETIC SPORTS FACILITY
OWNER: VIRGIN ISLANDS DEPARTMENT OF EDUCATION
No. 172 ESTATE NAZARETH
No.1 RED HOOK QUARTER
ST. THOMAS, USVI

DRAWN BY: GRR/EA
CHECKED BY: EB
APPROVED BY: EB
CONTRACT NO.:
PROJECT NO.:
DATE: MARCH 31, 2006

SHEET NO.: E1.1
SHEET NO. 8 OF 28 SHEETS

RELEASED FOR CONSTRUCTION