



A D D E N D U M # 1

TO: ALL PROSPECTIVE Bidders

FROM: Mark Anderson, Director, Purchasing Department

DATE: December 20, 2022

RE: MAIN 13.KV SERVICE UPGRADE PROJECT – BFY2023-03

The following information is added to the bid documents for the aforementioned subject bid.

- 1) **The following Drawing has been updated:** Drawing # E-202
- 2) **An addition site visit has been added:** the walkthrough scheduled for 1/6/23 at Union College of Union County, NJ 1033 Springfield Avenue, Cranford NJ in Room N-4 at 11:00.AM. While attendance is not mandatory, all prospective bidders and their teams are strongly encouraged to attend this important meeting
- 3) **Question - Does Alternative pricing has to be submitted with the bid ?**
 - Yes, alternative pricing must be submitted with bid, see below for revised price page.
- 4) **Question - Section 2(b) of the Facility Project Terms and Conditions has a schedule totaling 450 days. Pre-construction through Substantial Completion is 420 days. Current delivery times on major electrical equipment are 52-weeks, this is the type of equipment that is required for this project. Based upon this, the equipment for Phase 1 would not be available for +/- 52 weeks, from the engineer's approval date. Will the college extend the Construction milestone from 360 days to 540 days, or would it be issued in an addendum that the construction milestone can be extended to accommodate equipment delivery dates (if necessary) since the liquidated damages are \$2,500 per/day?**
 - Section 2 (b) Increase the construction milestone to 540 days

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- 5) **Question- Section 2(c) of the Facility Project Terms and Conditions states; “Overtime arrangements shall be made with the College at the Contractors expense.” Please confirm that interference in “student academic or staff activities” would be limited to power outages and/or noisy work? If not, please define all other interferences for the bidder to consider.**
- Section 2 (c) interference in “student academic or staff activities” would be limited to power outages and/or noisy work, correct
- 6) **Question - Section 4(c) of the Facility Project Terms and Conditions states; “Continuity of Utilities and Services: The Contractor shall use reasonable diligence to provide a regular and uninterrupted supply of utilities and services at all times so as not to cause interruption to college activities. Utilities include electric power (standard and back-up), water, sewer, etc. Services include internet, waste hauling, telephone, HVACR, etc. When necessary, the contractor shall, at the Contractor’s expense, provide all necessary alternative sources of utilities and services to support college activities during periods of potential or planned interruption of the regular utility or service. Variances from this requirement may be granted in writing from the College.” Please confirm that unless indicated on the project drawings, no additional temporary power will be required by the college for the power shutdowns indicated on the project drawings?**
- Section 4 (c) it is the intention of the College that the temporary power is outlined on the plans, based upon the staging of the work, if the contractor elects to change the staging of the work additional temporary power may be needed at no additional cost to the College.
- 7) **Question - If additional temporary power is required, please indicate which buildings and which building loads would need temporary power for scheduled outages: The following buildings will require power outages, please indicate for each building how long an outage can be before temporary power would be required: i. McKay Library ii. MacDonald Hall iii. Science Building iv. Student Development Building v. Nomahegan Building vi. Campus Center?**
- McKay Library , MacDonald Hall, Science Building, Student Development Building, Nomahegan Building, Campus Center buildings all operate on a 7 day a week schedule. Shutdowns are possible between the hours of 9:00PM Friday to 5:00AM Monday, provided that 4 weeks’ notice be provided and approved by the College, and that adverse weather conditions will not interfere with maintaining the buildings. Multiple building outages over the course of the same weekend will need to be approved by the College for continued operation of the College.

TO BE COMPLETED AND SIGNED

RETURN WITH BID

BID PROPOSAL FORM

PROJECT TITLE: #BFY2023-03 – MAIN 13.2KV SERVICE UPGRADE PROJECT

The undersigned, _____, having visited the sites of the proposed work and having familiarized themselves with the existing conditions and with other local conditions affecting the cost of the work and with the contract Documents, and all addenda to said Documents, hereby proposes to furnish all labor, materials, tools, equipment, and insurance required by the Contract Documents, to pay all applicable taxes and to furnish all things as provided by the aforesaid Contract Documents, and all addenda thereto, and to undertake all the obligations contained therein for, furnishing and installing the work described under heading of the contract bid for the following sum or sums.

In compliance with your Instructions to Bidders, the undersigned hereby proposes to furnish all labor and materials and perform all work for Bid for the Project entitled: **BFY2023-03, MAIN 13.2KV SERVICE UPGRADE PROJECT**; For the Owner entitled: **UNION COLLEGE OF UNION COUNTY, NEW JERSEY, 1033 Springfield Avenue, Cranford, NJ 07016**; such work and Contract to be performed in strict accordance with Bid Documents, Attachments, Scope and Specifications including all Addenda, for the total consideration of the following amount:

BASE BID (SINGLE OVERALL CONTRACT): For the performance of all work (lump sum-combined bid all trades)

$$\begin{array}{rcccl}
 \$ & & + & \$ & 225,000.00 & = & \$ & & \\
 \hline
 & \text{BASE BID} & & & \text{CONTINGENCY ALLOWANCE} & & & \text{TOTAL BID} & \\
 \hline
 \end{array}$$

(dollars)

Total to be Written in Full

ALTERNATE 1 (add):

$$\begin{array}{rcc}
 \$ & & \text{(DOLLARS)} \\
 \hline
 & \text{ALTERNATE 1} & \text{TOTAL TO BE WRITTEN IN FULL} \\
 \hline
 \end{array}$$

ALTERNATE 2 (add):

$$\begin{array}{rcc}
 \$ & & \text{(DOLLARS)} \\
 \hline
 & \text{ALTERNATE 2} & \text{TOTAL TO BE WRITTEN IN FULL} \\
 \hline
 \end{array}$$

BID PROPOSAL FORM

PROJECT TITLE: #BFY2023-03 – MAIN 13.2KV SERVICE UPGRADE PROJECT

Award of Contract – Lowest Responsible Bidder

It is the intention of the Board of Trustees of the College to award the contract to the bidder who submits the lowest responsible and responsible bid. (N.J.S.A. 18A:64A-25.19; 18A:64A-25.25)

EXECUTION OF BID: IN WITNESS WHEREOF, the undersigned Bidder has caused this Bid to be duly executed by its sole owner or duly authorized general partner or corporate officer:

SUBMITTED BY:

COMPANY NAME FEIN #

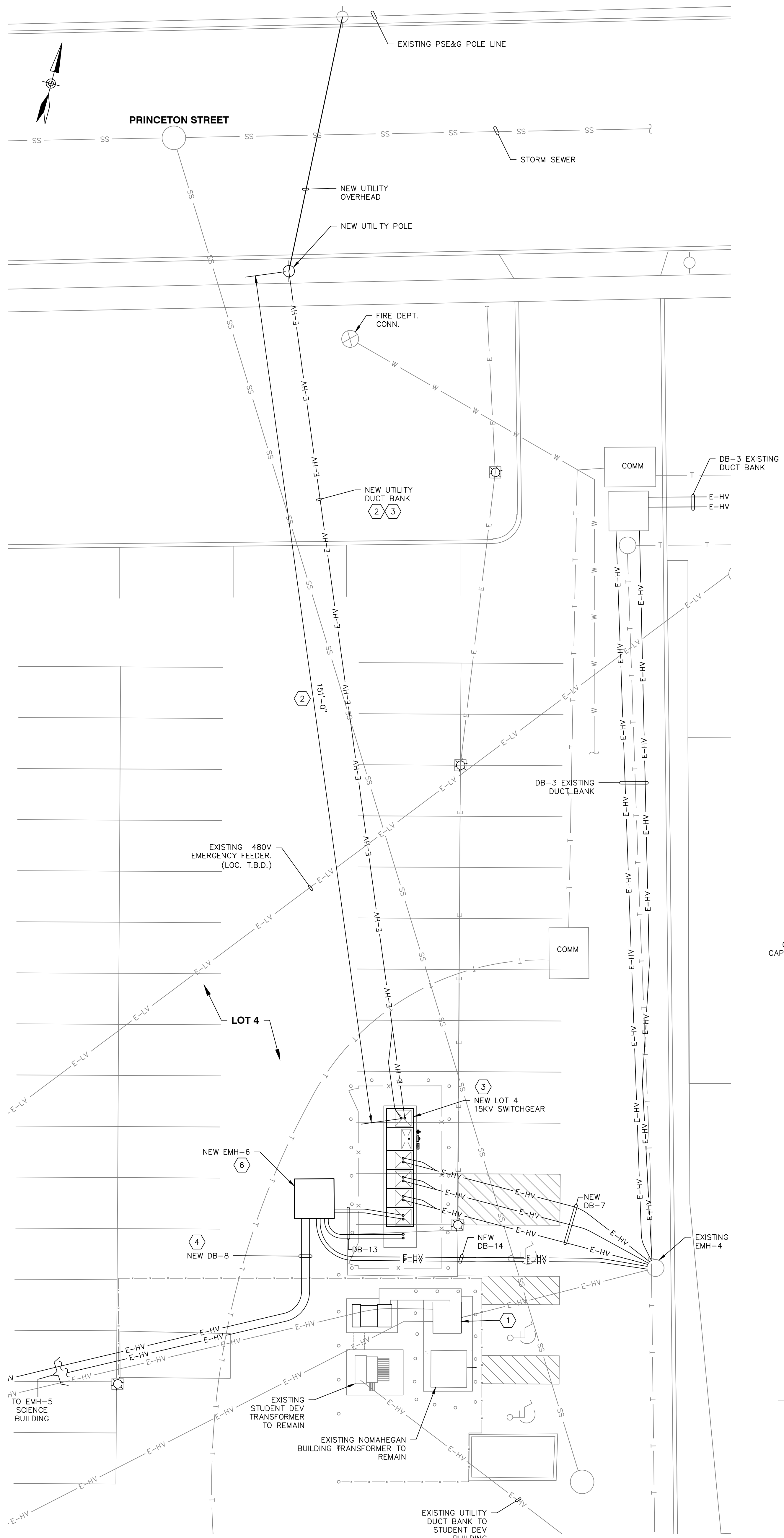
STREET ADDRESS CITY STATE ZIP CODE

PHONE FAX EMAIL ADDRESS

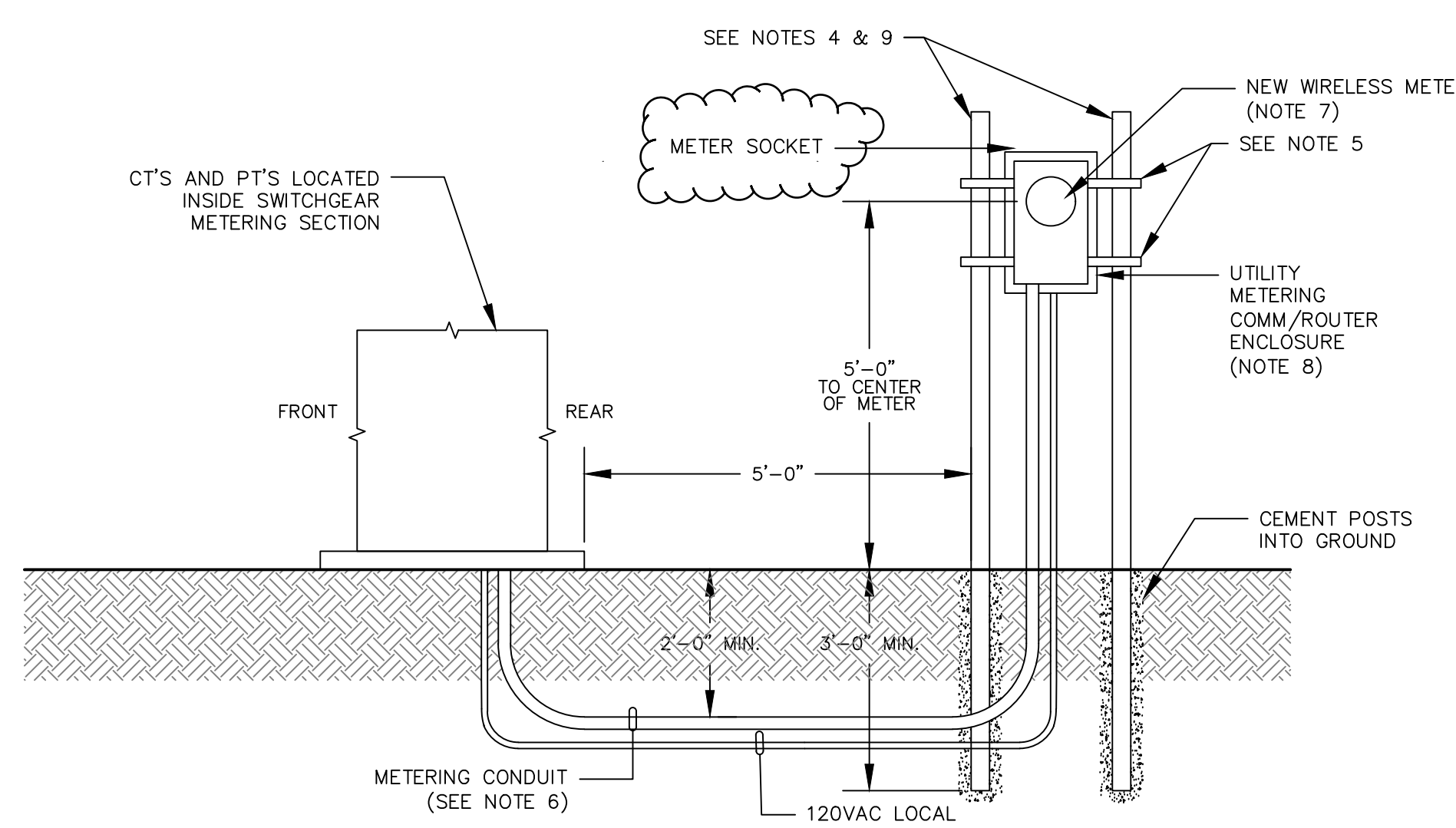
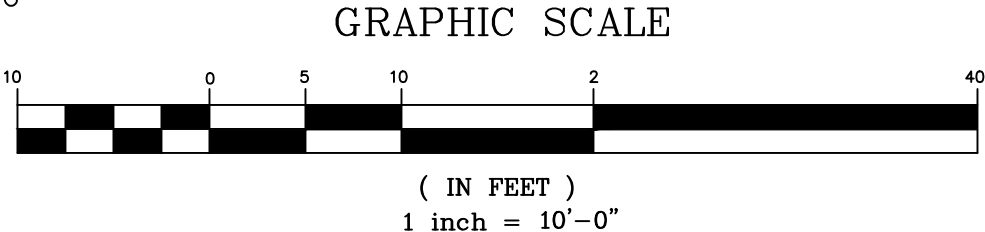
PRINTED NAME TITLE

SIGNATURE DATE

Please complete below. A signed copy of this addendum, SIGNED BY AN OFFICER OF THE BIDDER AUTHORIZED TO DO SO, must be included with your bid submission.

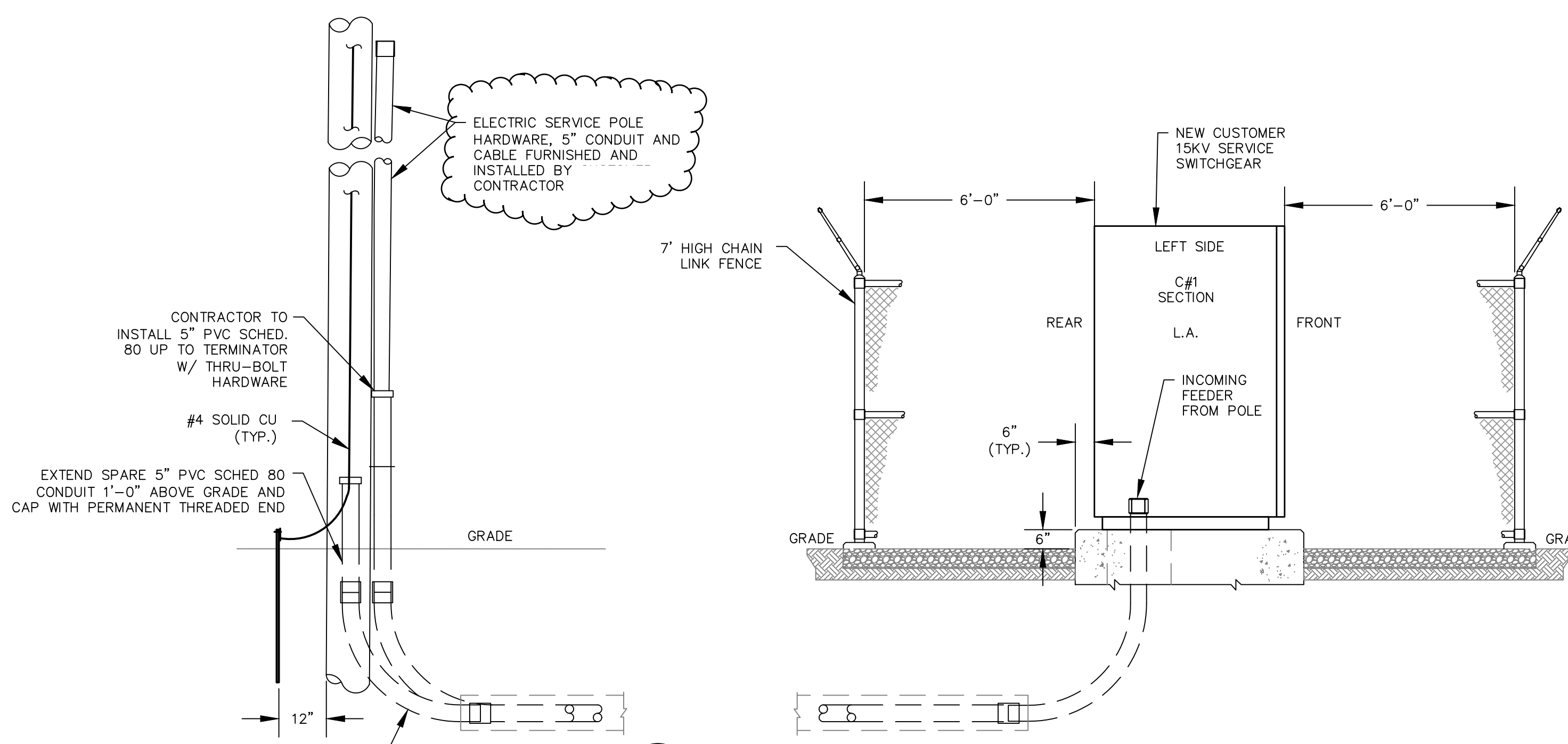


1
E-202
UTILITY LOT 4 PART SITE PLAN
SCALE: 1"=10'-0"

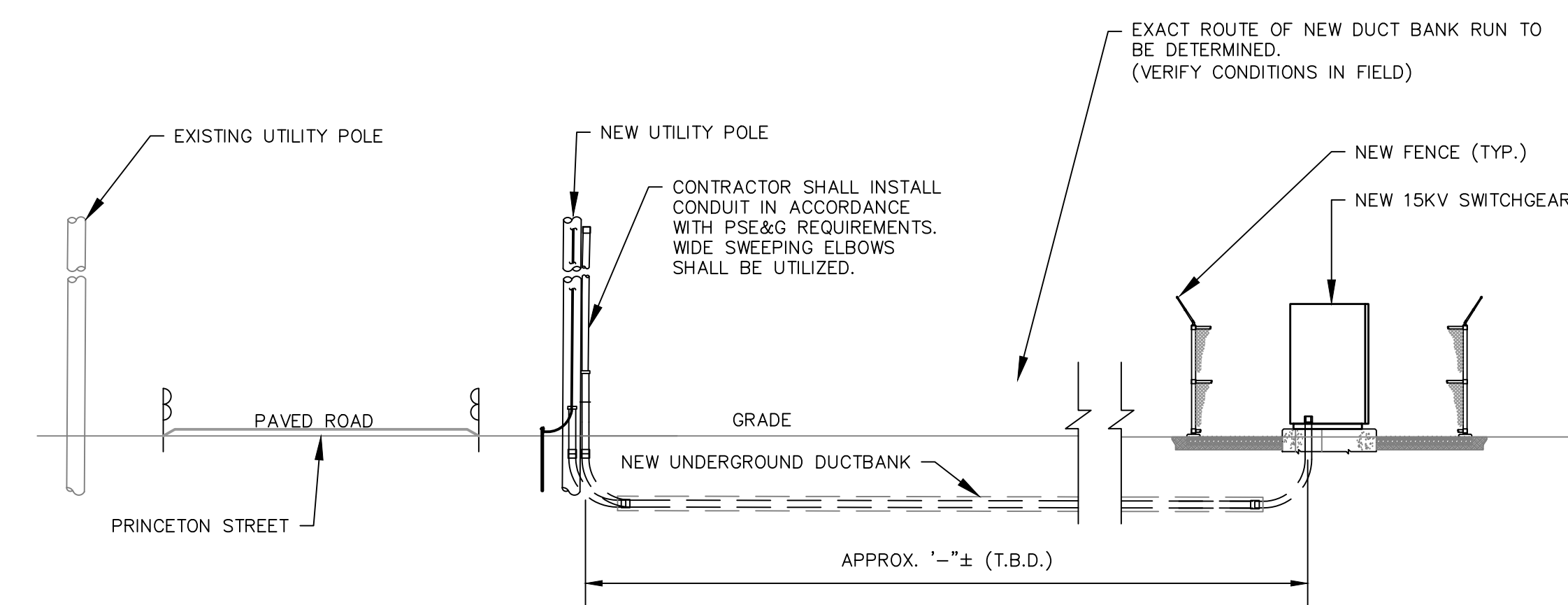


- UTILITY METERING NOTES:**
1. CONSULT UTILITY FOR TRENCH TERMINATION POINT AND LENGTH OF ADDITIONAL CABLE TO BE PROVIDED FOR FINAL CONNECTION BY THE UTILITY.
 2. THE STAND ALONE METER INSTALLATION IS REQUIRED BY UTILITY.
 3. ALL DIMENSIONS NOT DEFINED ARE VARIABLE TO ACCOMMODATE METERING APPARATUS.
 4. SUPPORT POST- USE ANY OF THE FOLLOWING
2-3" MIN. STEEL PIPE CAPPED AND CEMENTED IN GROUND
2-4" MIN. PVC SCHEDULE 80 CEMENT FILLED AND CEMENTED IN GROUND
2-3" MIN. CHANNEL IRON CEMENTED IN GROUND
 5. MOUNTING HARDWARE- TWO 12 GAUGE 1-5/8" X 1-5/8" CONTINUOUS SLOT HOT DIPPED GALVANIZED CHANNEL (E.G. UNISTRUT) COMPLETE WITH 1-1/4" X 5/16" DIA. 13 THD SPRING NUT (2 PER CHANNEL), 5/16" HEX NUT, AND LOCK WASHER SECURELY MOUNTED TO SUPPORT POSTS.
 6. METERING CONDUIT- USE 1-1/2" MIN. GALVANIZED RIGID METALLIC CONDUIT WITH ALL THREADED JOINT AND INSULATED BONDING BRUSHINGS ON BOTH ENDS. CONDUIT SHALL BE GROUNDED AT THE SERVICE SWITCHGEAR.
 7. CONTRACTOR SHALL COORDINATE WITH UTILITY AND U.C.C. TO HAVE A WIRELESS METER INSTALLED AT THE NEW LOCATION, AS INDICATED IN THE DRAWINGS. CELLULAR SERVICE SHALL BE ARRANGED ACCORDINGLY BY THE CONTRACTOR.
 8. UTILITY COMMUNICATION AND ROUTER FOR 15KV SERVICE METER, WITH 120 VAC STRIP HEATER AND RECEPTACLE FOR LOCAL POWER. CONTRACTOR TO RELOCATE EXISTING TO NEW LOCATION AS PERMITTED BY THE UTILITY.
 9. METERING DETAIL SHOWN DIAGRAMMATICALLY. COORDINATE FINAL LOCATION IN FIELD. PROVIDE STAINLESS STEEL NEMA 4X ENCLOSURE WITH BREATHER/DRAIN AND HEATER AS REQUIRED FOR COMM. DEVICES.

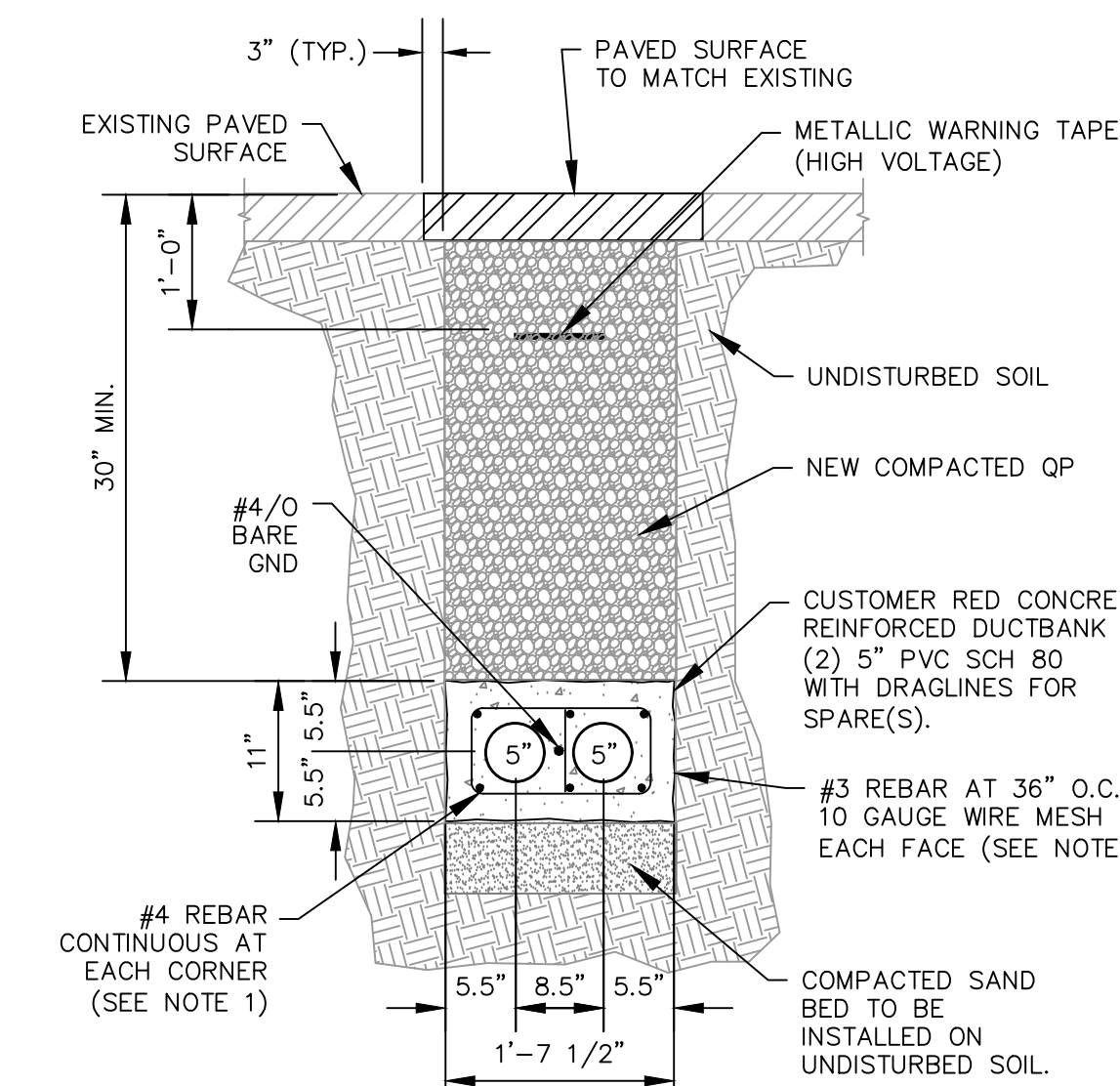
2
E-202
UTILITY METERING DETAIL
SCALE: N.T.S.



3
E-202
15KV SERVICE SWITCHGEAR SIDE ELEVATION
SCALE: 3/8"=1'-0"



4
E-202
15KV SERVICE SWITCHGEAR ELEVATION PLAN
SCALE: N.T.S.



5
E-202
13.2KV UTILITY DUCT BANK SECTION
SCALE: N.T.S.

- GENERAL NOTES:**
1. DRAWING IS SHOWN DIAGRAMMATICALLY. CONTRACTOR SHALL VERIFY DIMENSIONS IN FIELD.
 2. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
 3. ALL NOTED REINFORCEMENT SHALL BE PER ASTM A615, GRADE 60.
 4. CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO FINAL ROUTING OF DUCT BANK & EXCAVATION.
 5. ALL GROUND CABLE TO BE #4/0 BARE COPPER STRANDED, UNLESS OTHERWISE NOTED.
 6. ALL UNDERGROUND GROUND CONNECTIONS SHALL BE MADE BY THE CADCWELD PROCESS OR T&B COMPRESSION-TYPE FITTINGS.
 7. ALL NON-CURRENT CARRYING METALLIC PARTS OF INSTALLATION SHALL BE GROUNDED.
 8. ALL MECHANICAL GROUNDING CONNECTIONS SHALL BE CLEANED TO BARE METAL AND COATED WITH T&B KOPR SHIELD BEFORE INSTALLING CONNECTOR.
 9. CONTRACTOR SHALL FIRE SEAL ALL CONDUIT PENETRATIONS THROUGH FIRE RATED WALLS & CEILINGS WITH APPROVED FIRE SEALANT.
 10. LOCATION OF ALL EQUIPMENT PADS AND DUCTBANKS SHALL BE DETERMINED BY FINAL APPROVED UTILITY SERVICE DRAWINGS, VERIFICATION OF UNDERGROUND OBSTRUCTIONS, ETC.
 11. NEW DUCT BANKS & M.H.'S TO BE FURNISHED AND INSTALLED BY CONTRACTOR. EXISTING DUCT BANK CONDUITS TO BE REUSED SHALL BE CLEANED/SWABBED PRIOR TO PULLING IN NEW CABLES. ALL NEW CABLES TO BE TESTED PER NETA.
 12. CONTRACTOR SHALL COORDINATE CONDUIT STUB UPS WITH SWITCHGEAR SECTION FOOTPRINT.
 13. NEW HAND HOLE SHALL BE QUAZITE 2'X2'X2' TO EXTEND EXISTING PLAZA LIGHTING CIRCUIT.
 14. PRIOR TO THE BEGINNING OF CONSTRUCTION ALL EXISTING CABLES SHALL BE TRACED TO LOAD TERMINATION POINTS. ALL CABLES SHALL BE IDENTIFIED & TAGGED WITH LOAD, PHASES & SIZE INFORMATION TO ASSURE PROPER IDENTIFICATION DURING CABLE PULL-BACK AND REROUTING TO NEW AND EXISTING MANHOLES. ANY DISCREPANCIES BETWEEN CONTRACTOR FIELD VERIFICATIONS AND ENGINEERING DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ELECTRICAL ENGINEER FOR REVIEW AND RESOLUTION PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- SHEET NOTES:**
1. EXISTING LOT 4 PAD MOUNT SWITCHES TO BE REFD FROM NEW SERVICE SWITCHGEAR, VIA NEW AND EXISTING CONDUITS. (SEE DWG E-101).
 2. SEE DETAIL #5 THIS DWG FOR DUCT BANK DETAIL. APPROX. DISTANCE BETWEEN NEW POLE LOCATION AND NEW SERVICE SWGR "USS-1" IS 151 FT. E.C. TO CONFIRM IN FIELD AFTER POLE IS SET BY PSE&G.
 3. PROVIDE ADDITIONAL 3" FOR TELCOMM IF REQUIRED BY UTILITY, U.C.C. OR SOLAR CONTRACTOR/INSTALLER.
 4. INSTALL NEW CONCRETE REINFORCED DUCT BANK WITH 4-4"C TO EMH-5A.
 5. SEE DWGS E-101 & E-110 FOR SINGLE LINES AND E-400, E-401 & E-403 FOR DETAILS.
 6. NEW MANHOLE SHOWN IN APPROXIMATE LOCATION. E.C. TO LOCATE PER FIELD CONDITIONS.



NEW JERSEY LAW REQUIRES THREE WORKING DAYS NOTICE PRIOR TO ANY EARTH MOVING ACTIVITIES

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PROJECT TITLE
UNION COUNTY COLLEGE
1033 SPRINGFIELD AVE.
CRANFORD, UNION COUNTY N.J.
NEW UTILITY SERVICE AND DISTRIBUTION CONCEPTS

DATE 05/19/21 **DRN BY GLT**
SCALE AS NOTED **CHK'D BY PMG**
APP BY R3

ISSUED	DATE
PROGRESS ISSUE - 50%	8-10-21
PROGRESS ISSUE - 75%	9-30-21
ISSUED FOR BID ONLY	11-18-22
ISSUED FOR PERMIT	-
ISSUED FOR CONSTRUCTION	-
ISSUED AS-BUILT	-

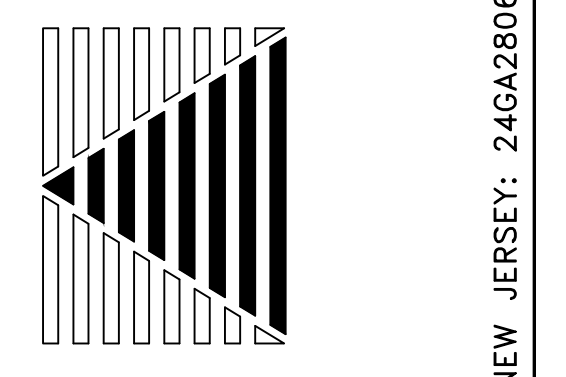
REVISIONS	DATE

DRAWING TITLE
ELECTRICAL
NEW LOT 4 UTILITY SERVICE
SWGR PART SITE PLAN

CEI215045 **E-202**

PHILIP M. GRENCI
N.J. PROFESSIONAL ENGINEER
N.J. PE# 24GB037892

TRIAD CONSULTING ENGINEERS, INC.
ENGINEERS • DESIGNERS • CONSTRUCTION MANAGERS
2740 ROUTE 10 WEST, MORRIS PLAINS N.J. 07950



NEW JERSEY: 24GA28061300