ADDENDUM NO. 1

PROJECT NAME: **City Campus 15kV Electrical Expansion**
UNL PROJECT NUMBER: **C951P060**

CONSULTANT: Morrissey Engineering, inc.
ADDRESS: 4940 N 118th Street, Omaha, NE 68184

DATE OF ISSUANCE: November 20, 2012
DATE OF BID OPENING: Per this addendum Bid time is hereby changed to December 4, 2012 at 3:00 PM CDT.

The bid documents dated November 2, 2012 for the above referenced project are amended by this addendum.

NOTICE: This Addendum is issued to all interested prospective bidders as an amendment to the project manual or other parts of the bidding (contract) documents for the above named project. Reference to this Addendum must be included in the Bid proposal. The information contained herein shall be fully incorporated into the contract documents as though originally included therein.

MODIFICATIONS TO THE PROJECT MANUAL:

INVITATION TO BID 001116

SECTION 001116-2.0(A):

1. Revise closing time for receipt of bids to be 3pm CST on December 4, 2012.

MODIFICATIONS TO THE DRAWINGS:

DRAWING NO. e0 – SITE AND CENTRAL PLAN PLANS

1. Reduce length of empty conduit for LES feed conduit. Remove requirement to cut and repair sidewalk adjacent to LES pole. See sketch e0.1.
2. Street and sidewalk is to be trenched and repaired for installation of empty LES conduit. See sketch e0.1 and flag note #1 and #17 on sketch e0.2.
3. Notes indicating switchgear source associated with each empty LES conduit are added. See sketch e0.1.
4. Note indicating fenced Sprint equipment area is added. Approximate location of Sprint underground fiber optic trunk line is indicated. See sketch e0.1 and flag note #8 and #16 on sketch e0.2 for potholing and other requirements.
5. Remove requirement of general note #1 for contractor to operate breakers. See sketch e0.2.
6. Staking of equipment before generator and fence installation is not required. See revised flag note #14 on sketch e0.2.

DRAWING NO. e1 – Expanded Site Plans

1. On demolition plan, remove requirement of general note #3 for contractor to operate breakers.
2. See sketch e1.1 for revised ductbank configuration.
3. See flag note #23, sketch e1.1 for additional ductbank termination requirements.

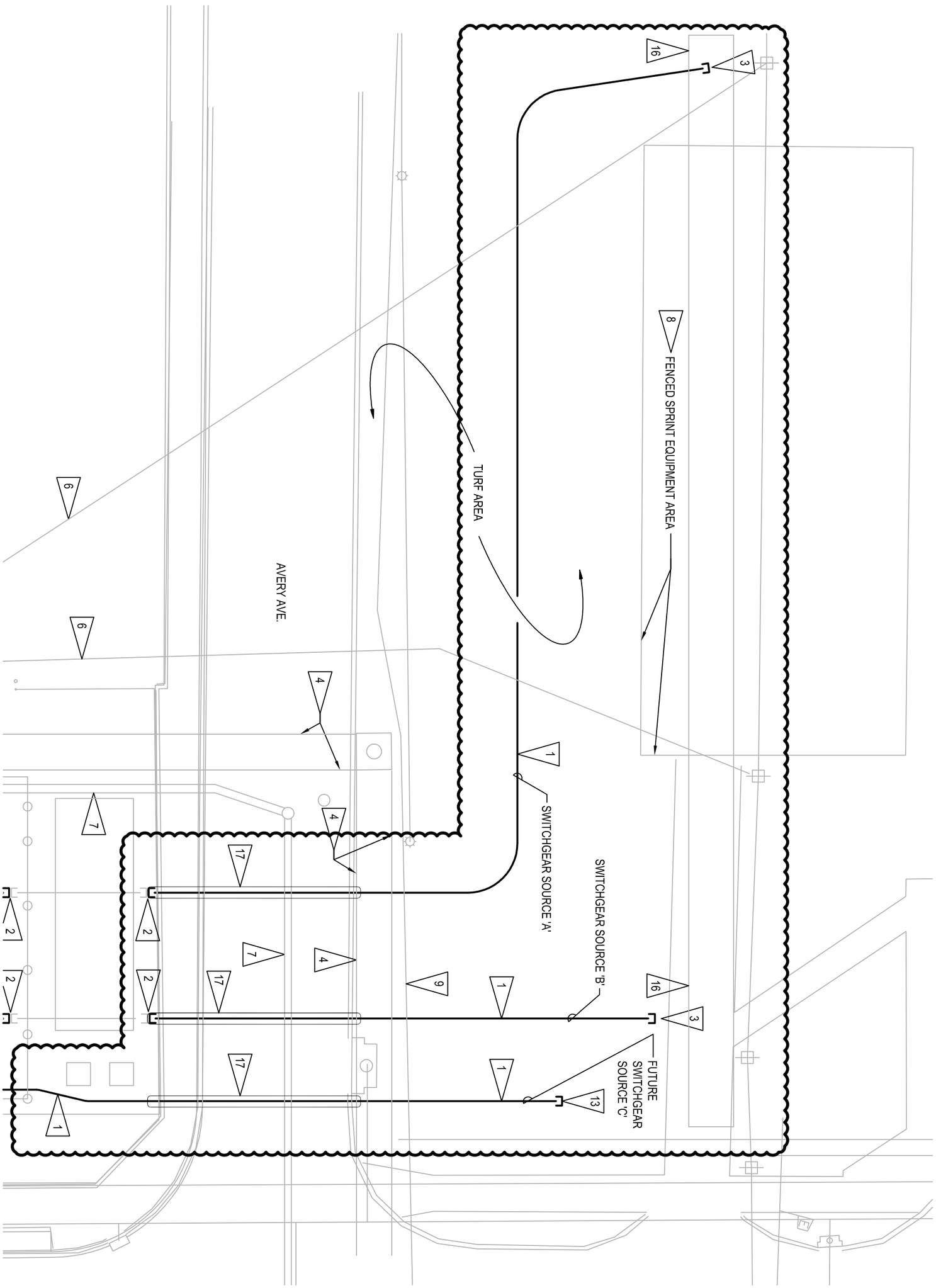
DRAWING NO. e2 – Electrical Diagrams

1. On switchgear layout diagram, remove requirement of general note #5 for contractor to operate breakers.
2. On on-line diagram, add to flag note #5 "Coordinate with UNL plant instrumentation staff".
3. On on-line diagram, replace the word "slices" with "splices" in flag note #1.

DRAWING NO. e3 – Electrical Details

1. Move pier location 2' South. See sketch e3.1.

END OF ADDENDUM NO. # 1



morrissey engineering inc
mechanical | electrical | technology | commissioning
4960 North 118th Street
Omaha, NE 68164
P: 402.491.4144
www.morrisseyengineering.com

UNL CITY CAMPUS
15KV ELECTRICAL EXPANSION
14TH AND AVERY, LINCOLN NE

project no.:	C951P060	drawing referenced:	e0
date:	11/19/12	addendum no.:	1

sketch e0.1

GENERAL NOTES

1. MINIMIZE IMPACT OF SWITCHGEAR REPLACEMENT ON DOWNSTREAM UNL LOADS. DEVELOP AND SUBMIT A WRITTEN PHASING PLAN INDICATING HOW PHASING WILL OCCUR. PLAN SHALL BE DEVELOPED WITH UNL INPUT AND SHALL BE REVISED AND RE-SUBMMITTED UNTIL APPROVED BY ENGINEER AND UNL. PLAN SHALL ACCOUNT FOR WIRE TERMINATIONS BY LES AND UNL. PLAN FOR CUTOVER OF ONE LES SOURCE CIRCUIT AT A TIME AND MINIMIZE TIME THAT DOWNSTREAM LOADS HAVE ACCESS TO ONLY ONE LES SOURCE. DECOMMISSION EXISTING SWITCHGEAR AND ANCILLARY EQUIPMENT ONLY AFTER NEW SWITCHGEAR IS OPERATIONAL WITH TWO LES SOURCES.

FLAG NOTES

1 PROVIDE NEW 5' DEEP 5" SCHEDULE 40 EMPTY CONDUIT ENCASED IN CONCRETE FOR LES CONDUCTORS.

3 CONDUIT STUBBED UNDERGROUND FOR USE BY LES. COORDINATE EXACT LOCATION WITH ENGINEER AND LES.

8 COORDINATE WORK NEAR FENCED SPRINT EQUIPMENT AREA AND NEAR SPRINT UNDERGROUND FIBER OPTIC TRUNK LINE WITH SPRINT. WHERE NEW WORK IS IN PROXIMITY TO SPRINT UNDERGROUND FIBER OPTIC TRUNK LINE, DETERMINE EXACT LOCATION BY POTHOLING WITH "HYDRO EXCAVATION" TYPE VACUUM EXCAVATOR TO ENSURE HIGH VALUE SPRINT FIBER OPTIC TRUNK LINE IS NOT DAMAGED.

14 PROVIDE FULL COORDINATION OF SUBSTATION ACCOUNTING FOR ALL SITE RESTRICTIONS SUCH AS TUNNELS, MANHOLES, AND EXISTING ELECTRICAL SERVICES. PROVIDE ADDITIONAL UNDERGROUND LOCATING/SURVEYING AS REQUIRED TO COMPLETE INSTALLATION. PLAN LAYOUT AND COMMUNICATE DETAILS TO GENERATOR/FENCING INSTALLER(S) AS REQUIRED TO ALLOW FOR FULLY COORDINATED INSTALLATION. PROVIDE COLORED STAKING OF EXACT SWITCHGEAR AND CONTROL POWER TRANSFORMER LOCATIONS AS SOON AS COORDINATION IS COMPLETED AND BEFORE GENERATOR/FENCE INSTALLATION.

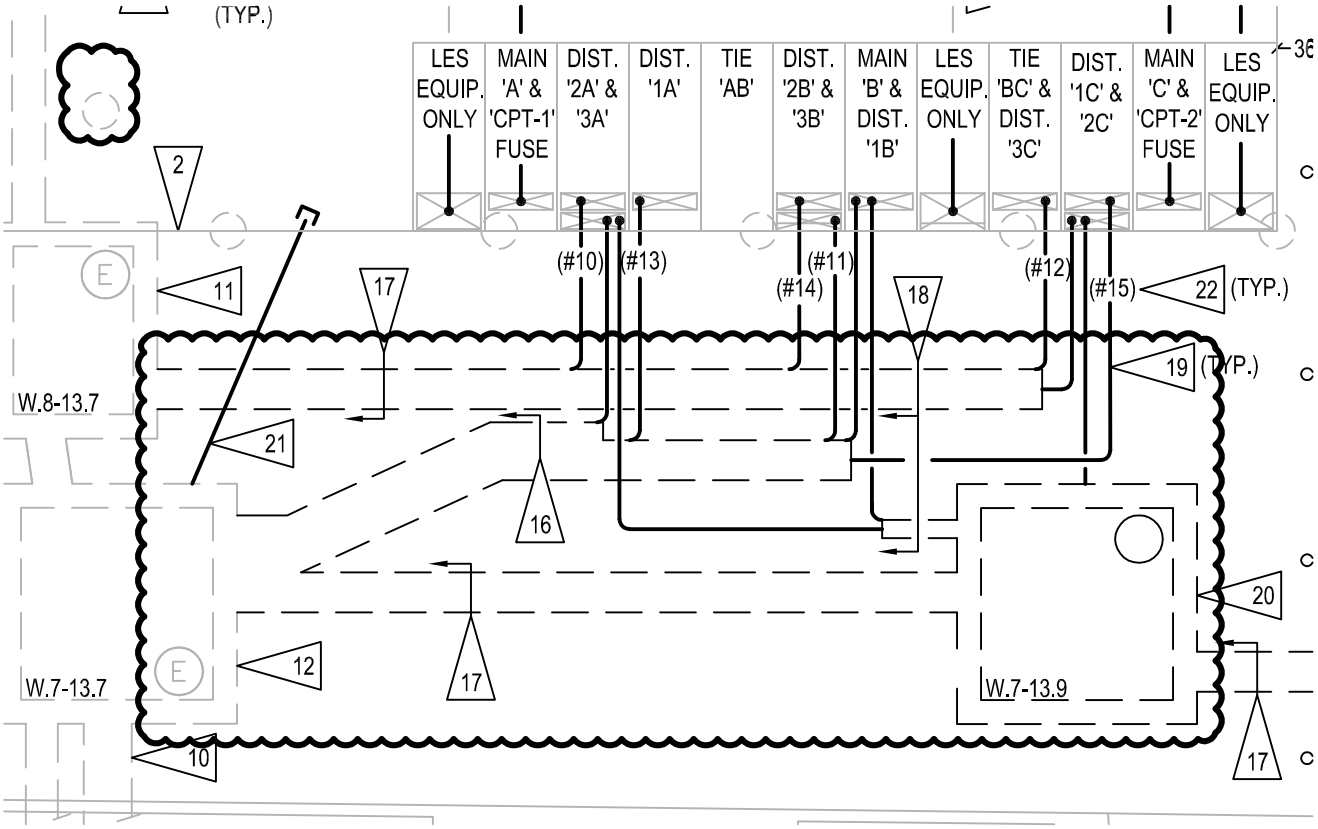
16 APPROXIMATE AREA SPRINT UNDERGROUND FIBER OPTIC TRUNK LINE IS LOCATED WITHIN. FOR ANY UNDERGROUND WORK IN THIS AREA, PROVIDE NON-DESTRUCTIVE LOCATING PER REQUIREMENTS OF FLAG NOTE #8.

17 TRENCH SIDEWALK, CURBS, AND STREET FOR INSTALLATION OF EMPTY CONDUITS. CONDUIT SHALL BE INSTALLED ABOVE UNDERGROUND DUCTBANK AND ABOVE TOP OF UNDERGROUND STEAM TUNNEL. TOP OF CONDUITS SHALL BE A MINIMUM OF 18" BELOW BOTTOM OF STREET AND COVERED WITH A MINIMUM OF 4" OF CONCRETE SLURRY WITH RED DYE AT A RATIO OF 4LBS OF DYE PER 2 SACKS MIX. REMOVE AND DISPOSE OF DEMOLISHED CONCRETE. REPAIR STREET CONCRETE TO MATCH EXISTING CONDITIONS. PROVIDE TEMPORARY DRIVE-OVER PLATES AND PHASING AS DIRECTED BY UNL.

morrissey engineering inc
mechanical | electrical | technology | commissioning
4940 North 118th Street
Omaha, NE 68164
P: 402.491.4144
www.morrisseyengineering.com

UNL CITY CAMPUS
15KV ELECTRICAL EXPANSION
14TH AND AVERY, LINCOLN NE

project no.:	C951P060	drawing referenced:	e0	sketch	e0.2
date:	11/19/12	addendum no.:	1		



18 PROVIDE 2-WAY DUCT PER DETAIL #4, SHEET e3. DUCTBANK IS NOT SHOWN TO SCALE ON THIS PLAN FOR DIAGRAMMATIC PURPOSE.

19 UNLESS OTHERWISE INDICATED, SINGLE LINE INDICATES 5" CONDUIT ENCASED WITH 3" OF CONCRETE ON EACH SIDE OF CONDUIT AND #4 REBAR IN CONCRETE ABOVE CONDUIT.

20 PROVIDE NEW MANHOLE. SEE 'MANHOLE DETAIL' #1, SHEET e4.

21 SEE 'PLAN - OVERALL SITE' ON SHEET e0 FOR LOW VOLTAGE RACEWAY REQUIREMENTS.

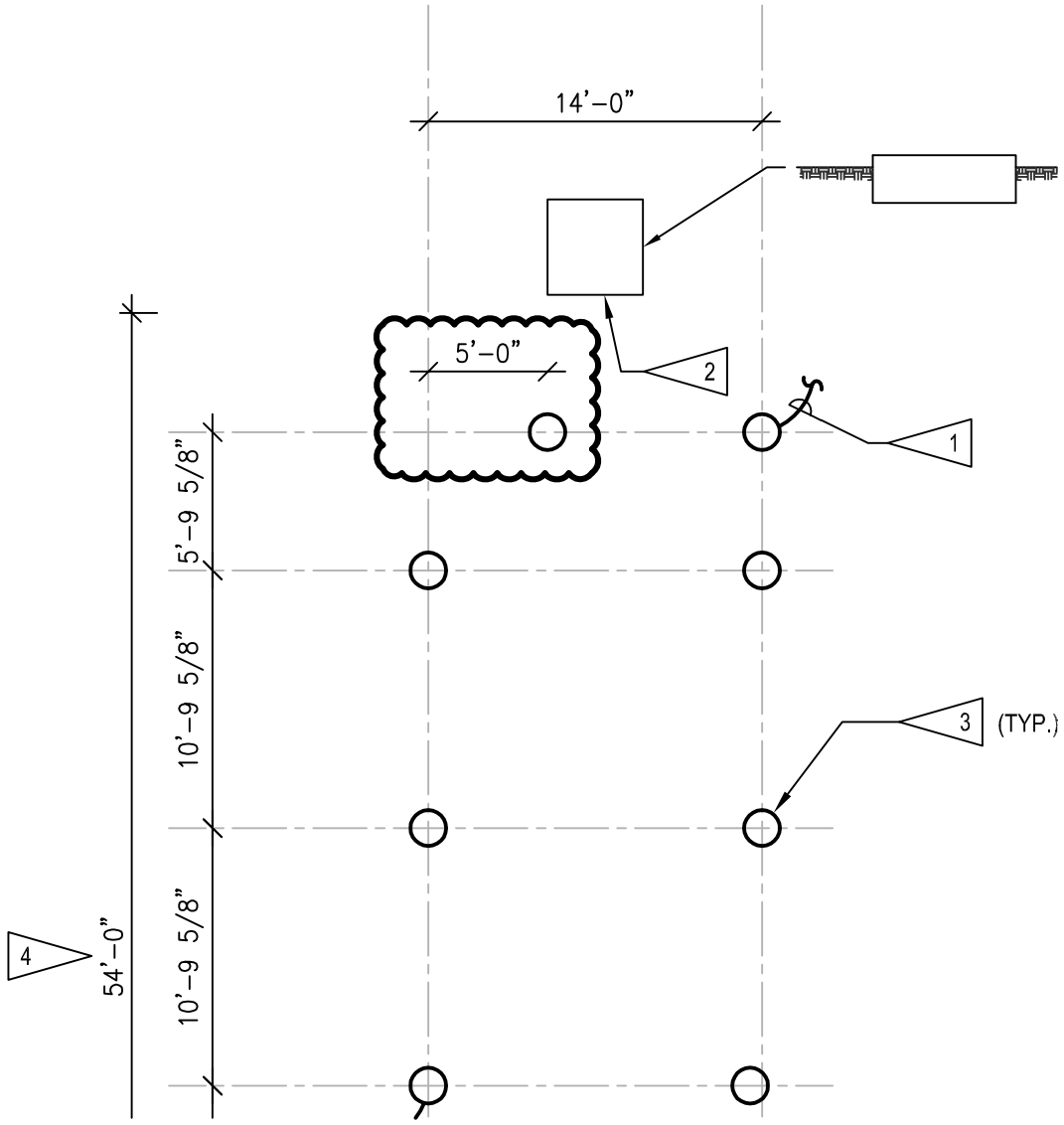
22 INDICATES CIRCUIT RACEWAY IS EXPECTED TO HOLD (NOW OR FUTURE). FOR REFERENCE ONLY.

23 TERMINATE FOR FUTURE USE. CONDUITS SHALL EXTEND 8" BEYOND EDGE OF CONCRETE. PROVIDE TYCO ELECTRONICS DUCT PLUG "JM-BLA-50D535U" FOR WATER-TIGHT SEAL OF EACH DUCT. PROVIDE ONE CUBIC YARD OF 1" WHITE ROCK AROUND DUCTBANK TERMINATION.

morrissey engineering inc
mechanical | electrical | technology | commissioning
4940 North 118th Street
Omaha, NE 68164
P: 402.491.4144
www.morrisseyengineering.com

UNL CITY CAMPUS
15KV ELECTRICAL EXPANSION
14TH AND AVERY, LINCOLN NE

project no.:	C951P060	drawing referenced:	e1	sketch	e1.1
date:	11/19/12	addendum no.:	1		



morrissey engineering inc
mechanical | electrical | technology | commissioning
4940 North 118th Street
Omaha, NE 68164
P: 402.491.4144
www.morrisseyengineering.com

UNL CITY CAMPUS
15KV ELECTRICAL EXPANSION
14TH AND AVERY, LINCOLN NE

project no.: C951P060	drawing referenced: e3		
date: 11/19/12	addendum no.: 1	sketch	e3.1