

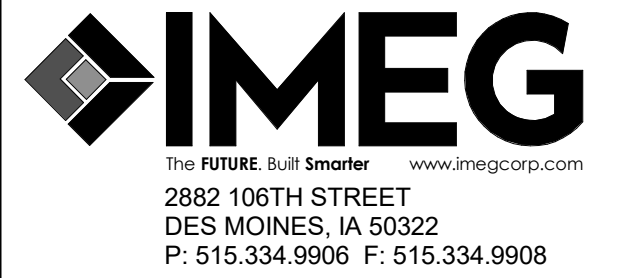
9424.00 HHS STS MAIN ELECTRICAL LOOP REVISIONS

3211 EDGINGTON AVE
ELDORA, IA 50627

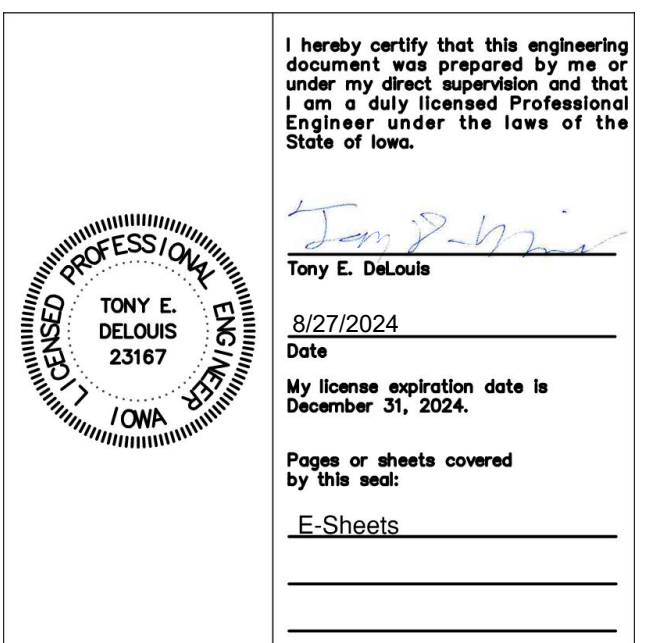
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ELECTRICAL LOOP
REVISIONS

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STATE OF IOWA
DEPARTMENT OF
ADMINISTRATIVE
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PROFESSIONAL SEAL

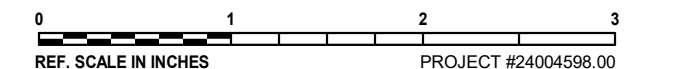


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AGENCY APPROVAL

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REVISIONS

No.	Date	Revision / Issue

SHEET INFORMATION

Issue	100% CD
Date	08/27/2024
Project #	24004598.00
Drawn	JOHGRE
Checked	ISASTO
Approved	TONDEL

SHEET TITLE

ELECTRICAL COVERSHEET

SCALE

Scale: As Indicated

SHEET NUMBER

E000

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VIEW KEY

NAME: LEVEL NAME
10'-0" HEIGHT ABOVE PROJECT 0'-0"

KEYNOTE: INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL

INDICATES DIRECTION OF TRUE NORTH
PLAN OR DETAIL NUMBER
PLAN OR DETAIL NAME
1/8" = 1'-0" PLAN OR DETAIL SCALE

INDICATES SIMILAR DETAIL REFERENCED IN MULTIPLE LOCATIONS
DETAIL REFERRED TO BY SECTION CUT
SHEET DETAIL IS LOCATED ON

LINE TYPE AND TAG KEY

NEW WORK BY THIS CONTRACTOR (WIDE LINE)
NEW
EXISTING TO BE REMOVED (SHORT DASHED PATTERN)
NEW UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE)
EXISTING
EXISTING TO BE REMOVED BY OTHERS (SHORT DASHED PATTERN)
EXISTING UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

HALFTONING DOES NOT MODIFY SCOPE

TAG-E TAGS WITH DASH 'E' INDICATES THE REFERENCED OBJECT IS EXISTING
TAG-I UNDERLINED TAG INDICATES OBJECT IS IN-SCOPE. IF NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST

INDICATES AN EXISTING SYSTEM'S POINT OF CONNECTION/REMOVAL

CONTRACTOR ABBREVIATION KEY

ABBR:	DESCRIPTION:
C.M.	CONSTRUCTION MANAGER
E.C.	ELECTRICAL CONTRACTOR
G.C.	GENERAL CONTRACTOR

ELECTRICAL INSTALLATION NOTES:

- EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO THE EXISTING STRUCTURE AND SITE UTILITIES. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING OR REPLACING ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
- ELECTRICAL IDENTIFICATION. REFER TO SPECIFICATION SECTION 26 05 53 FOR COLOR/LABEL REQUIREMENTS FOR CONDUIT, BOX, CABLE/WIRE, AND EQUIPMENT.

ELECTRICAL RENOVATION NOTES:

THESE NOTES APPLY TO ALL ELECTRICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, LIGHTING, POWER, FIRE ALARM, AND OTHER LOW VOLTAGE SYSTEMS.

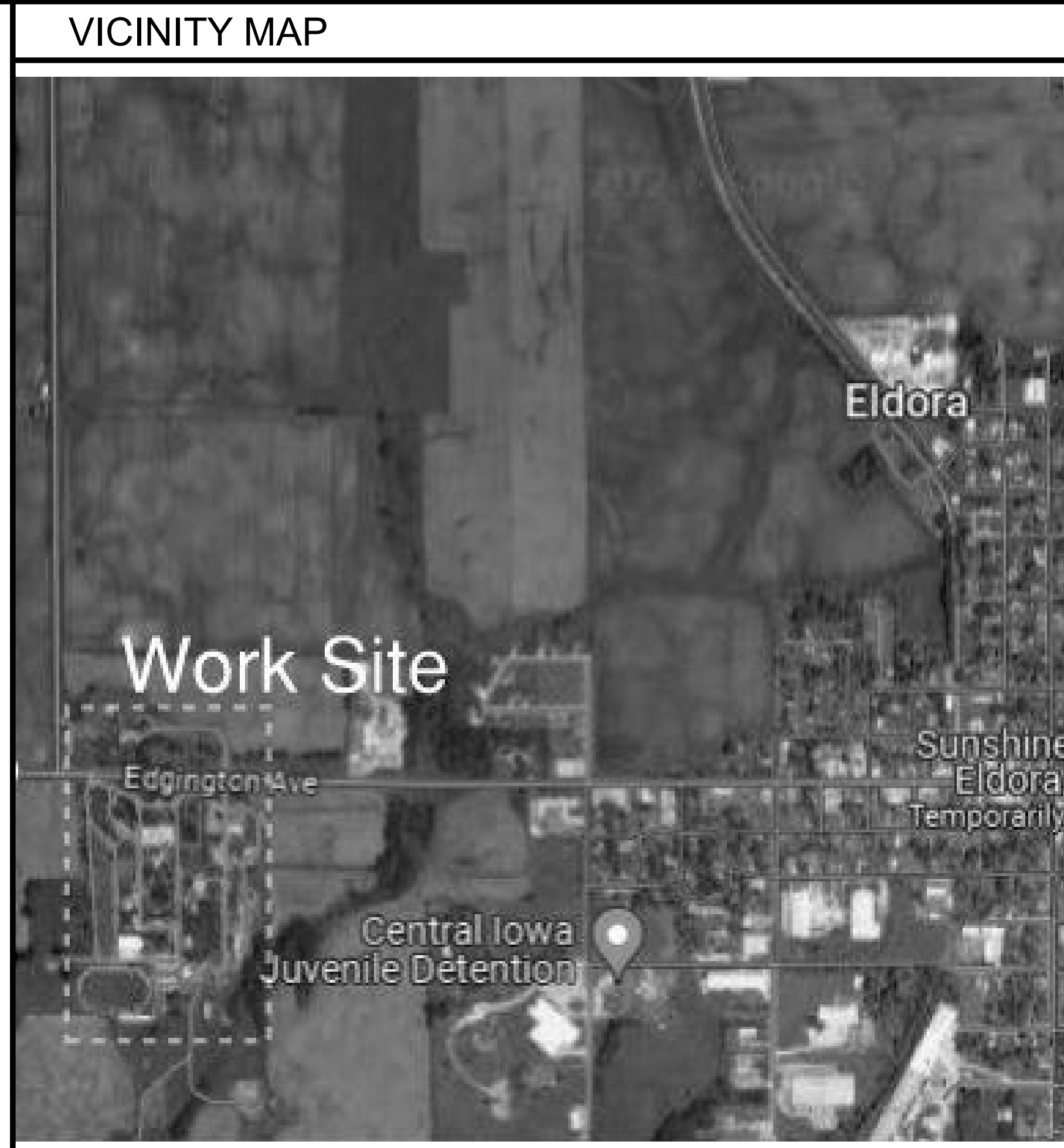
- EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS. CONTRACTOR SHALL REVIEW EXISTING CONDITIONS AND REPORT CONFLICTS.
- NOT ALL EXISTING EQUIPMENT, LUMINAIRES, AND CONDUIT ARE SHOWN. CONTRACTOR SHALL REVIEW EXISTING CONDITIONS AND REPORT CONFLICTS.
- CONTRACTOR SHALL REVIEW EXISTING CONDITIONS PRIOR TO BORING OF CONDUIT. RISES AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS.

ELECTRICAL ABBREVIATION KEY

ABBR:	DESCRIPTION:
ABV	ABOVE
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ASR	ARCHITECTURAL SURFACE RACEWAY
BC	BELOW COUNTER
C	CONDUIT (BRANCH CIRCUIT OR FEEDER CONTEXT)
CO	CONDUIT AND BOX ROUGH-IN ONLY (ROUGH-IN ONLY)
EG	EQUIPMENT GROUND
EGC	EQUIPMENT GROUNDING CONDUCTOR
EOL	END OF LINE
EPO	EMERGENCY POWER OFF
GFR	GROUND FAULT REMOTE
HOA	HAND/OFF/AUTO
ITR	IT RACK MOUNTED RECEPTACLE
NC	NORMALLY CLOSED
NEMA #	NEMA RATING
NIC	NOT IN CONTRACTED SCOPE
NO	NORMALLY OPEN
OH	OVERHEAD
ROOF	EQUIPMENT LOCATED ON ROOF ABOVE
SM	SURFACE MOUNTED
TYP	TYPICAL
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED

ELECTRICAL SYMBOL LIST

SYMBOL:	TAG:	SPEC SECTION:	DESCRIPTION:
	S###	EXISTING	4-WAY SECTIONALIZING CABINET
	T###	EXISTING	TRANSFORMER



APPLICABLE CODES

BUILDING CODE:	IBC 2015 EDITION
FIRE CODE:	IFC 2015 EDITION
PLUMBING CODE:	IPC 2018 EDITION
MECHANICAL CODE:	IMC 2018 EDITION
ELECTRICAL CODE:	NFPA 70 (NEC) 2020 EDITION
LIFE SAFETY CODE:	NFPA 101 2012 EDITION
ENERGY CONSERVATION CODE:	IECC 2012

ELECTRICAL SHEET INDEX

E000	ELECTRICAL COVERSHEET
E201	SITE PLAN - ELECTRICAL
GRAND TOTAL:	2

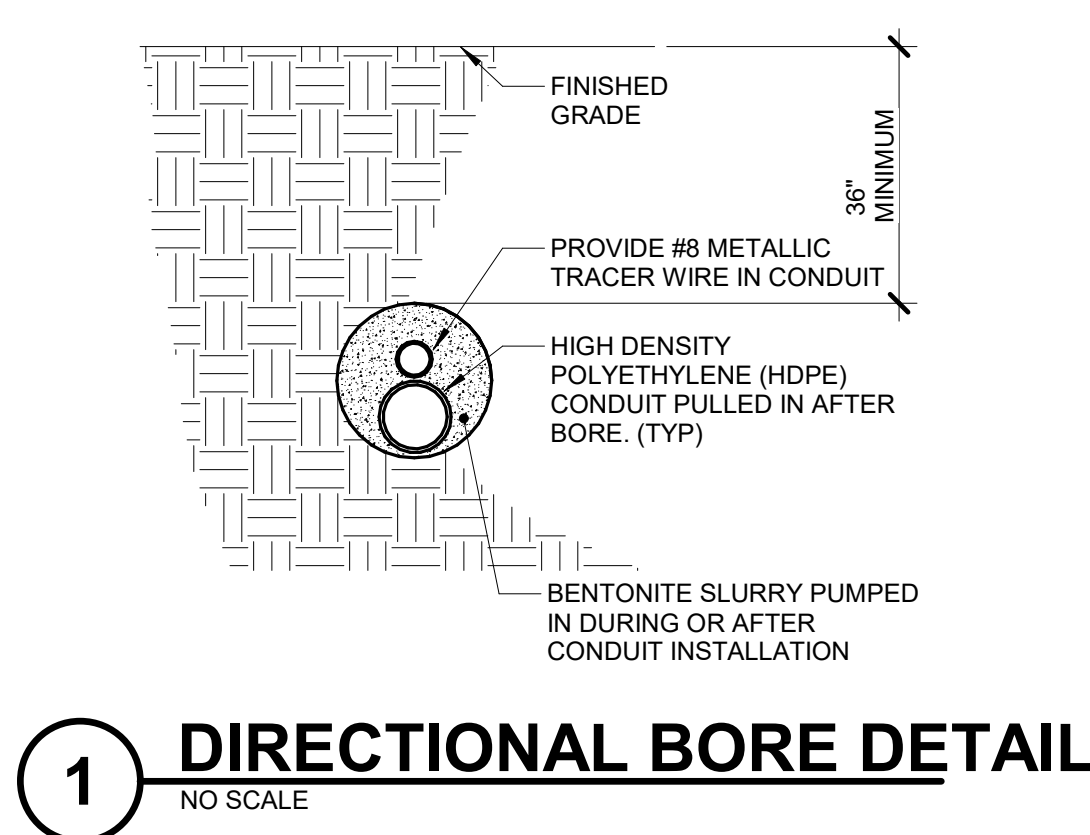
SCOPE OF WORK

REMOVE NORTHERN PART OF MEDIUM VOLTAGE LOOP AND INSTALL NEW RUN OF THREE PHASE MEDIUM VOLTAGE CONDUCTOR TO CREATE NEW LOOP.

CONDUIT INSTALLATION SCHEDULE

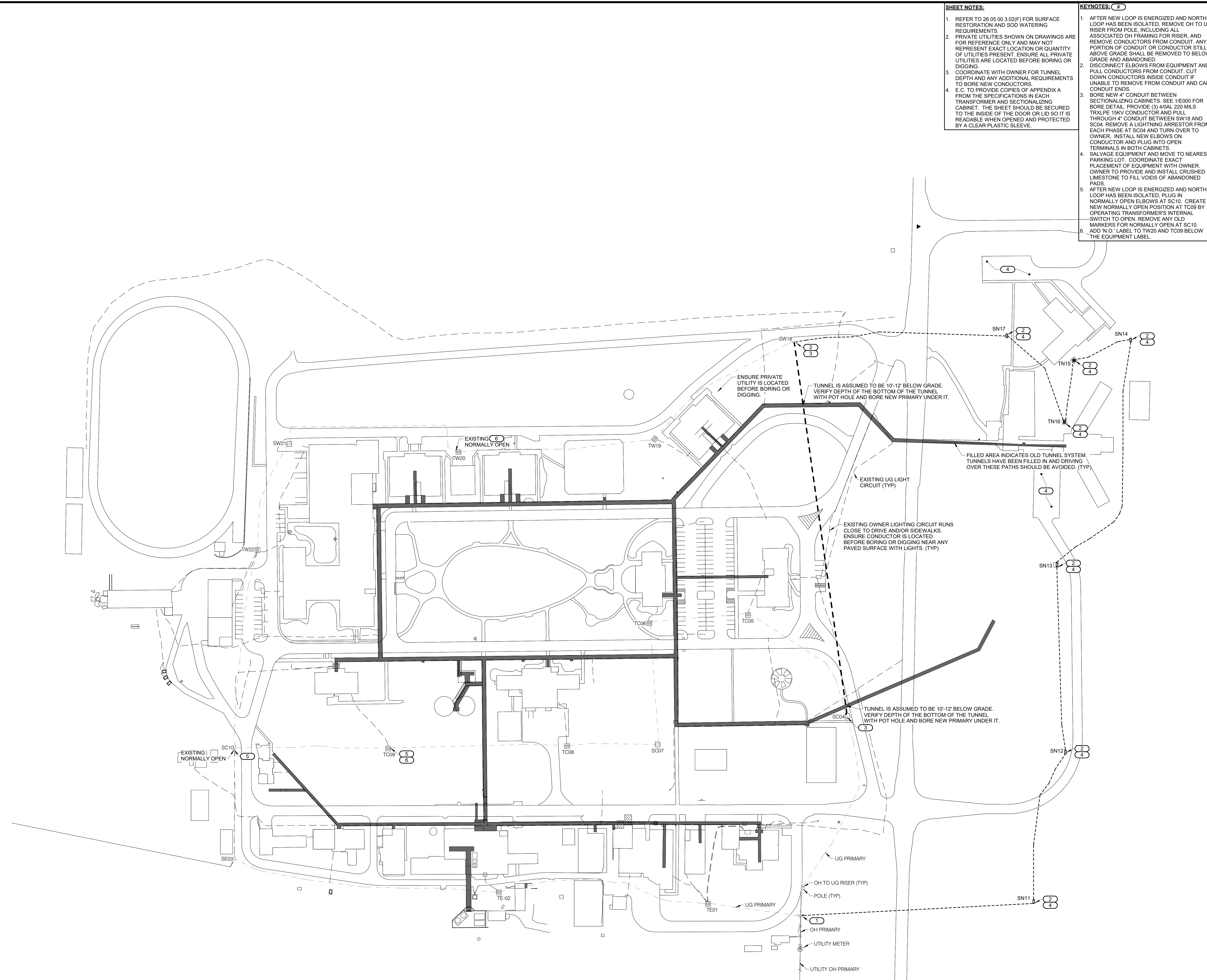
THE FOLLOWING SCHEDULE SHALL BE ADHERED TO UNLESS THEY CONSTITUTE A VIOLATION OF APPLICABLE CODES OR ARE NOTED OTHERWISE ON THE DRAWINGS. THE INSTALLATION OF RMC CONDUIT WILL BE PERMITTED IN PLACE OF ALL CONDUIT SPECIFIED IN THIS SCHEDULE. REFER TO CONDUIT AND BOXES SPECIFICATION 26 05 33 FOR ADDITIONAL INFORMATION.

INSTALLATION TYPE	RMC	PVC	RTRC	HDPE
UNDERGROUND SITE CONDUITS:				
WITHIN 5' FROM THE PERIMETER OF A BUILDING FOUNDATION	X		X	
5' OR GREATER FROM THE PERIMETER OF A BUILDING FOUNDATION	X	X	X	
UNDER ROADS, DRIVES, AND VEHICLE TRAVELED WAYS. WHEN HDPE DIRECTIONAL BORING IS ALLOWED. PROVIDE PRESSURIZED GROUT		X		X



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1 SITE PLAN - ELECTRICAL
1" = 80'-0"



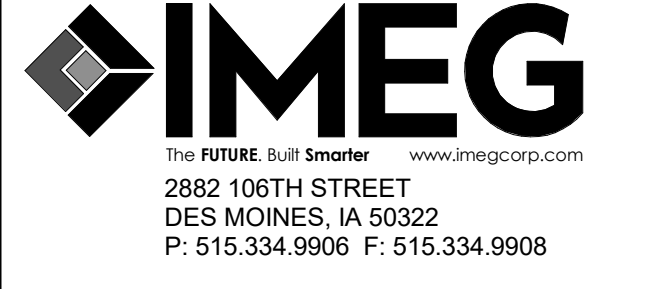
- SHEET NOTES:**
- REFER TO 26 05 03 3.02(F) FOR SURFACE RESTORATION AND SOD WATERING REQUIREMENTS.
 - PRIVATE UTILITIES SHOWN ON DRAWINGS ARE FOR REFERENCE ONLY AND MAY NOT REPRESENT EXACT LOCATION OR QUANTITY OF UTILITIES PRESENT. ENSURE ALL PRIVATE UTILITIES ARE LOCATED BEFORE BORING OR DIGGING.
 - COORDINATE WITH OWNER FOR TUNNEL DEPTH AND ANY ADDITIONAL REQUIREMENTS TO BORE NEW CONDUCTORS. E.G. TO PROVIDE COPIES OF APPENDIX A FROM THE SPECIFICATIONS IN EACH TRANSFORMER AND SECTIONALIZING CABINET. THE SHEET SHOULD BE SECURED TO THE INSIDE OF THE DOOR OR LID SO IT IS READABLE WHEN OPENED AND PROTECTED BY A CLEAR PLASTIC SLEEVE.

- KEYNOTES: (#)**
- AFTER NEW LOOP IS ENERGIZED AND NORTH LOOP HAS BEEN ISOLATED, REMOVE OH TO UG RISER FROM POLE, INCLUDING ALL ASSOCIATED OH FRAMING FOR RISER, AND REMOVE CONDUCTORS FROM CONDUIT. ANY PORTION OF CONDUIT OR CONDUCTOR STILL ABOVE GRADE SHALL BE REMOVED TO BELOW GRADE AND ABANDONED.
 - DISCONNECT ELBOWS FROM EQUIPMENT AND PULL CONDUCTORS FROM CONDUIT. CUT DOWN CONDUCTORS INSIDE CONDUIT IF UNABLE TO REMOVE FROM CONDUIT AND CAP CONDUIT ENDS.
 - BORE NEW 4" CONDUIT BETWEEN SECTIONALIZING CABINETS. SEE 1E000 FOR BORE DETAIL. PROVIDE (3) 40AL 220 MILS TRXLPE 15KV CONDUCTOR AND PULL THROUGH 4" CONDUIT BETWEEN SW18 AND SC04. REMOVE A LIGHTNING ARRESTOR FROM EACH PHASE AT SC04 AND TURN OVER TO OWNER. INSTALL NEW ELBOWS ON CONDUCTOR AND PLUG INTO OPEN TERMINALS IN BOTH CABINETS.
 - SALVAGE EQUIPMENT AND MOVE TO NEAREST PARKING LOT. COORDINATE EXACT PLACEMENT OF EQUIPMENT WITH OWNER. OWNER TO PROVIDE AND INSTALL CRUSHED LIMESTONE TO FILL VOIDS OF ABANDONED PADS.
 - AFTER NEW LOOP IS ENERGIZED AND NORTH LOOP HAS BEEN ISOLATED, PLUG IN NORMALLY OPEN ELBOWS AT SC10. CREATE NEW NORMALLY OPEN POSITION AT TC09 BY OPERATING TRANSFORMER'S INTERNAL SWITCH TO OPEN. REMOVE ANY OLD MARKERS FOR NORMALLY OPEN AT SC10. ADD "NO" LABEL TO TW20 AND TC09 BELOW THE EQUIPMENT LABEL.

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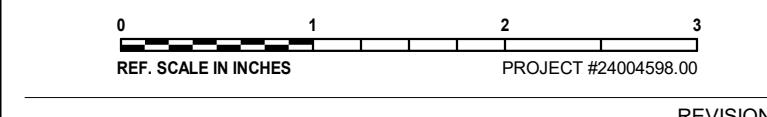


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Checked	ISASTO
Approved	TONDEL

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SITE PLAN - ELECTRICAL

SCALE
1" = 80'-0"

SHEET NUMBER

E201