GENERAL ELECTRICAL NOTES:

A. CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS FOR NEW SERVICE WITH LOCAL UTILITY. UTILITY FEES TO BE INCLUDED BY CONTRACTOR.
Name: Marc Diller; Email: marc.diller@duke-energy.com ⚠1

B. SEE ONE LINE DIAGRAM FOR ADDITIONAL DETAILS AND REQUIREMENTS.

C. PROVIDE STAINLESS STEEL HARDWARE FOR ALL EQUIPMENT INSTALLED IN WET WELL; THIS INCLUDES BUT NOT LIMITED TO KELLEM'S CABLE GRIPS, CABLE RACKS, MOUNTING BRACKETS, BOLTS AND NUTS.

D. WITHIN A 5' RADIUS OF ANY VENTED OPENING ATTACHED TO THE WET WELL SHALL BE CLASS 1 DIVISION 2 GROUP D RATED.

E. THE WET WELL CLASSIFICATION IS CLASS 1 DIVISION 1 GROUP D ENVIRONMENTAL PER NFPA 820. ALL EQUIPMENT SHALL MEET NEC REQUIREMENTS FOR THIS ENVIRONMENT.

F. LOCATE ALL EXISTING PIPING AND UTILITIES BEFORE INSTALLING UNDERGROUND CONDUITS; PROTECT ALL EXISTING INSTALLATIONS.

G. ALL BELOW GRADE CONDUIT SHALL BE SCH. 80 PVC. ALL TRANSITIONS (90 DEGREE ELBOW) FROM BELOW GRADE TO ABOVE GRADE SHALL BE GALVANIZED RIGID STEEL. ALL ABOVE GRADE CONDUIT SHALL BE RIGID ALUMINUM; INCLUDING INDOORS. COAT ALL RIGID ALUMINUM CONDUITS WHERE IN CONTACT WITH EARTH OR CONCRETE WITH OXIDATION RESISTANT COATING.ALL CONDUITS FROM VENTED TERMINAL BOXES INTO WET WELL SHALL BE GALVANIZED RIGID STEEL.

H. MAINTAIN 3' SEPARATION BETWEEN 480V POWER CONDUITS AND LOW VOLTAGE (NETWORK, 24V DC CONTROL, OR INTRINSICALLY SAFE CIRCUIT) CONDUITS. MAINTAIN 1' SEPARATION BETWEEN 120V POWER CONDUITS AND LOW VOLTAGE (NETWORK, 24V DC CONTROL, OR INTRINSICALLY SAFE CIRCUIT) CONDUITS.

I. WHERE CONDUIT CROSSES UNDER EXISTING OR FUTURE PAVEMENT, CONDUIT SHALL BE GALVANIZED RIGID STEEL. SAW CUT AND REPAIR EXISTING PAVEMENT AS NECESSARY.

J. WIRE AND CONDUIT ROUTES AND ELECTRICAL EQUIPMENT LOCATIONS ARE APPROXIMATE, FIELD VERIFY EXACT INSTALLATIONS.

K. ALL WIRING, CONDUIT, AND TERMINATIONS FURNISHED AND INSTALLED BY CONTRACTOR.

L. CONTRACTOR SHALL COORDINATE NEW SERVICE AND TRANSFORMER WITH UTILITY.

M. MAINTAIN 5' MINIMUM SEPARATION BETWEEN VENTED TERMINAL BOXES AND OTHER ELECTRICAL EQUIPMENT.

N. EXISTING CONDITION INFORMATION PROVIDED ON THIS DRAWING WAS OBTAINED BY SITE VISIT OBSERVATIONS AND FROM ORIGINAL CONSTRUCTION DRAWINGS WHEN AVAILABLE. CONTRACTOR SHALL VERIFY THE SCOPE OF WORK BY SITE INSPECTION PRIOR TO BIDDING. THIS DRAWING SHALL BE CONSIDERED INCOMPLETE AND USED FOR REFERENCE ONLY.

ELECTRICAL KEYED NOTES: ⬡

1. NEW UNDERGROUND FEEDER FROM NEW UTILITY POLE TO NEW METER, TO NEW 120/208V 3 PHASE MAIN SERVICE DISCONNECT MOUNTED ON NEW ELECTRICAL EQUIPMENT RACK; SEE ONE-LINE DIAGRAM. ⚠1
2. NEW 3-PHASE OVERHEAD PRIMARY.
3. NEW RISER POLE AND TRANSFORMER BANK BY UTILITY.
4. NEW 1-PHASE UPGRADED TO 3-PHASE OVERHEARD PRIMARY. SEE SHEET E1 FOR DETAILS.
5. EXISTING UTILITY POLE.
6. EXISTING 1-PHASE PRIMARY.
7. NEW 4" CONCRETE PAD. SEE SHEER C5.12 FOR GENERATOR PAD DETAILS.
8. NEW GENERATOR. SEE SHEET C5.8 FOR ELECTRICAL ONE-LINE DIAGRAM.
9. NEW UTILITY POLE. ⚠1

PHOTO TAKEN FACING WEST

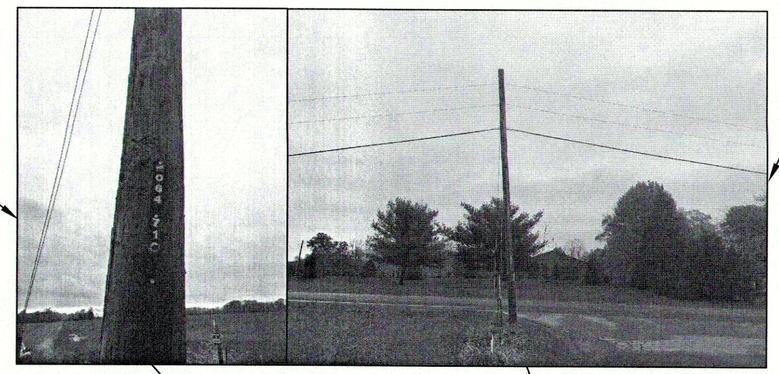
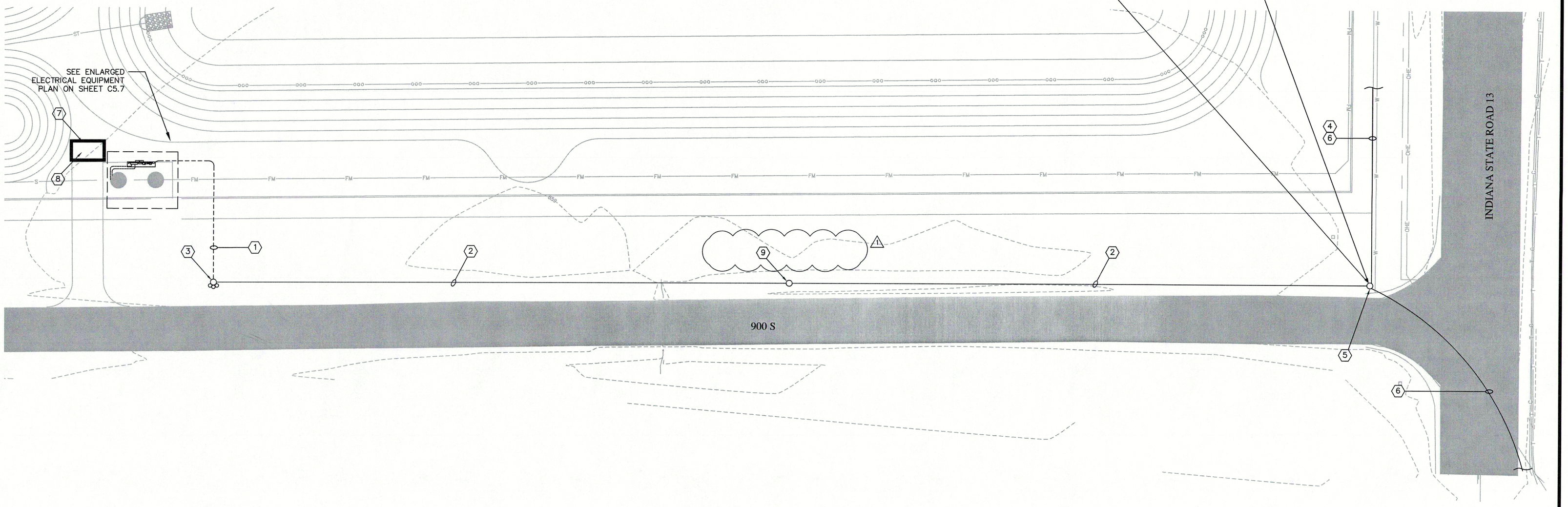


PHOTO TAKEN FACING EAST

EXISTING UTILITY POLE WITH POLE NUMBER



ENLARGED ELECTRICAL SITE PLAN
SCALE: 1" = 20'

REVISIONS		
DATE	DESCRIPTION	BY
01/16/19	REV. PER FCRWD & IDEM COMMENTS	JEF

HWC ENGINEERING
SIMS-DURKIN ASSOCIATES ENGINEERING COMPANY
1545 COUNTRY CLUB ROAD INDIANAPOLIS, INDIANA 46234
PHONE: (317)209-4035 WEBSITE: WWW.SIMS-DURKIN.COM

SPRINGBROOK PRELIMINARY PLAN
MADISON COUNTY, INDIANA
LIFT STATION
ENLARGED ELECTRICAL SITE PLAN

JEREMY E. FARRER REGISTERED No. PE11500293 STATE OF INDIANA PROFESSIONAL ENGINEER

DRAWN BY IA, SGM	JOB NUMBER 2017-271
CHECKED BY JEF	
DATE NOVEMBER 30, 2018	
SCALE AS SHOWN	

SHEET

C5.6

ENLARGED ELECTRICAL SITE PLAN

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