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 UTILITY POLE.
2. NEW 1-PHASE UPGRADE TO 3-PHASE OVERHEAD UTILITY.
3. EXISTING UTILITY POLE.
4. EXISTING 3-PHASE OVERHEAD UTILITY PRIMARY.
5. EXISTING 1-PHASE OVERHEAD PRIMARY.

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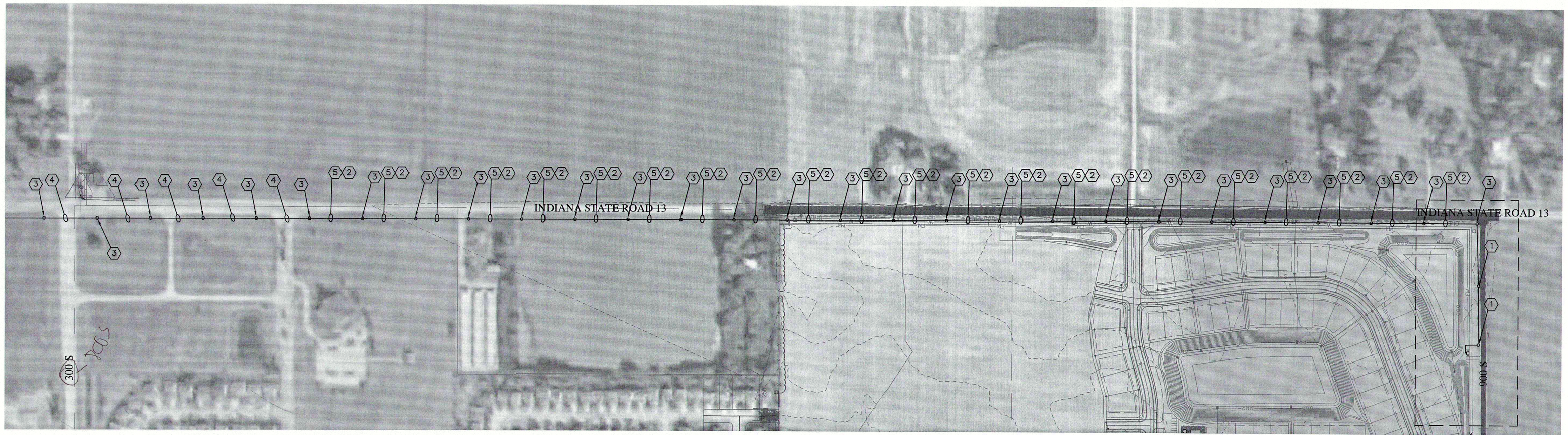
NOTE: FINAL UTILITY COORDINATION PENDING



OVERALL ELECTRICAL SITE PLAN
SCALE: 1" = 200'

SEE ENLARGED ELECTRICAL SITE PLAN ON SHEET C5.6

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

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SIMS-DURKIN ASSOCIATES ENGINEERING COMPANY
1545 COUNTRY CLUB ROAD INDIANAPOLIS, INDIANA 46234
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SPRINGBROOK PRELIMINARY PLAN
MADISON COUNTY, INDIANA
LIFT STATION
OVERALL ELECTRICAL SITE PLAN

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

DRAWN BY	
IA, SOM	JOB NUMBER 2017-271
CHECKED BY	
JEF	
DATE	
NOVEMBER 30, 2018	
SCALE	
AS SHOWN	
SHEET	
C5.5	
OVERALL ELECTRICAL SITE PLAN	