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 Contractor must verify all dimensions prior to construction.

JOB No.	18004
DOCUMENT	DATE
FINAL CDS	09/06/2019
DRAWN BY: JAM/JR	
SITE ELECTRICAL PLAN	
E1.1	

ELECTRICAL SITE PLAN NOTES:

1. ALL PVC CONDUIT SHALL HAVE LONG RADIUS SWEEPS AND BENDS.
2. UNDERGROUND CONDUIT SHALL TURN UP AT THE BASE OF EACH RISER POLE TO BE CONTINUED BY UTILITY COMPANY.
3. UNDERGROUND CONDUIT SHALL HAVE PULL STRINGS INSTALLED AND READILY ACCESSIBLE ON EACH END OF UNDERGROUND CONDUIT. PULL STRINGS SHALL BE EQUAL TO 1250# MULE TAPE.
4. ENSURE A MINIMUM SEPARATION OF 12" BETWEEN UNDERGROUND ALABAMA POWER CO. UTILITIES AND UNDERGROUND COMMUNICATION UTILITIES. UNDERGROUND COMMUNICATION UTILITIES SHALL NOT BE BURIED DIRECTLY ABOVE UNDERGROUND ALABAMA POWER CO. UTILITIES.
5. COORDINATE INSTALLATION OF NEW UTILITIES WITH EXISTING UTILITIES ANY OTHER UTILITIES NOT SHOWN. ALL EXISTING UTILITIES ARE SHOWN FOR REFERENCE ONLY.
6. ALL INSTALLATION INSTRUCTIONS REQUIRE MATERIAL PROVISION BY CONTRACTOR UNLESS NOTED OTHERWISE.

KEYED NOTES:

1. INDICATES EXISTING OVERHEAD POWER LINE. SHOWN FOR REFERENCE ONLY.
2. INDICATES EXISTING OVERHEAD TELEPHONE LINE. SHOWN FOR REFERENCE ONLY.
3. INDICATES POLE IDENTIFICATION. POLE IDENTIFICATION APPLIES TO THIS DRAWING ONLY. ALABAMA POWER CO. IS RESPONSIBLE FOR PROVISION AND INSTALLATION OF ALL REQUIRED POLES.
4. INDICATES NEW OVERHEAD POWER LINE. SHOWN FOR REFERENCE ONLY.
5. INSTALL TWO(2) 5' SCHEDULE 40 PVC CONDUITS UNDERGROUND AT A MINIMUM DEPTH OF 48". CONDUITS SHALL STUB UP AT THE BASE OF POLES PL-02 AND PL-03. RISER STUB UPS SHALL MEET ALABAMA POWER CO. SPECIFICATIONS.
6. INSTALL TWO(2) 2' SCHEDULE 40 PVC CONDUITS UNDERGROUND AT A MINIMUM DEPTH OF 18". CONDUITS SHALL STUB UP AT THE BASE OF POLE PL-01 AND WITHIN 'DATA 113' AS INDICATED. CONDUITS SHALL STUB INTO 'DATA 113' AT A MINIMUM HEIGHT OF 18".
7. INSTALL ONE(1) 11" x 21" QUARTZITE JUNCTION BOX WITH A MINIMUM TIER 5 RATING. ENSURE BOX IS PARALLEL WITH BUILDING AND FLUSH AT GRADE LEVEL WITH A GRAVEL BASE. JUNCTION BOX LID SHALL BE LABELED FOR COMMUNICATION.
8. RIGID CONDUIT SHALL BE UTILIZED ABOVE FINISHED FLOOR WHERE RACEWAY IS EXPOSED.
9. INSTALL TWO(2) 3 1/2" SCHEDULE 40 PVC CONDUITS UNDERGROUND AT A MINIMUM DEPTH OF 36". CONDUITS SHALL STUB UP AT THE BASE OF POLE PL-01 AND INTO ALABAMA POWER CO. METER TROUGH AS SHOWN.
10. INSTALL ONE(1) 11" x 21" QUARTZITE JUNCTION BOX WITH A MINIMUM TIER 5 RATING. ENSURE BOX IS PARALLEL WITH BUILDING AND FLUSH AT GRADE LEVEL WITH A GRAVEL BASE. JUNCTION BOX LID SHALL BE LABELED FOR ELECTRICAL.
11. CT CABINET, CTS, METER TROUGH AND METER PROVIDED BY ALABAMA POWER CO. AND INSTALLED BY CONTRACTOR TO MEET ALABAMA POWER CO. SPECIFICATIONS. COORDINATE EXACT LOCATION OF METER TROUGH AND CT CABINET PRIOR TO INSTALLATION.
12. PROVIDE TWO(2) 3 1/2" SCHEDULE 40 PVC CONDUITS FROM ALABAMA POWER CO. CT CABINET TO MAIN PANEL 'MP' AS SHOWN.
13. GROUND MOUNTED FLOOD LIGHTS SHALL BE AT THE SAME ELEVATION IN REFERENCE TO ONE ANOTHER. MOUNT LIGHTS AS REQUIRED IN ORDER TO MAINTAIN THE SAME ELEVATION. OFFSET LIGHTS FROM BUILDING AS SHOWN FOR BEST ILLUMINATION.

GARNER
 ASSOCIATES ENGINEERING
 1792 Old Alabama Road, Suite 201, Centerville, AL 36008
 P: 205-498-0206 F: 205-498-0207
 Project No. 18-004

