GENERAL NOTES

1. THE SITE ELECTRICAL SUBCONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE LOCATION OF EASEMENTS, UNDERGROUND UTILITIES, AND DRAINAGE SYSTEMS PRIOR TO COMMENCING ANY UNDERGROUND INSTALLATIONS.

2. THE INSTALLATION OF THE SITE LIGHTING SHALL COMPLY WITH THE APPLICABLE EDITION OF THE NATIONAL ELECTRICAL CODE AND SHALL COMPLY WITH ALL OTHER STATE AND LOCAL CODES. THE SITE ELECTRICAL SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL INSPECTIONS, FEES, AND PERMITS REQUIRED TO COMPLETE THIS PROJECT.

3. ANY ITEMS INSTALLED THAT DO NOT MEET THE REQUIREMENTS OF THESE DRAWINGS SHALL BE REMEDIED AT THE EXPENSE OF THE SITE ELECTRICAL SUBCONTRACTOR. ALL ELECTRICAL WORK ON THIS DRAWING SHALL BE INSTALLED BY THE SITE ELECTRICAL SUBCONTRACTOR.

4. THE SITE ELECTRICAL SUBCONTRACTOR SHALL COORDINATE THE INSTALLATION OF CONDUITS AND WIRE WITH THE BUILDING ELECTRICAL SUBCONTRACTOR. LOWE'S DESIRES THAT THE CONDUIT AND WIRE FROM THE BUILDING ELECTRICAL PANELS TO THE FIRST POLE(S) OR SIGN(S) TO BE INSTALLED AS A SINGLE PULL WITHOUT JUNCTION BOXES OR SPLICES.

5. NO WIRE SHALL BE INSTALLED PART-WAY AND LEFT COILED ON THE GROUND SUCH THAT OTHERS ARE TO COMPLETE THE INSTALLATION. IF COORDINATION IS NOT POSSIBLE SUCH THAT A HOMERUN CONDUIT & WIRE CAN BE INSTALLED ALL THE WAY TO A PANEL THEN AN UNDERGROUND ELECTRICAL PULL BOX SHALL BE COORDINATED, FURNISHED AND INSTALLED AT NO ADDITIONAL EXPENSE TO LOWE'S. SITE ELECTRICAL CONTRACTOR SHALL PROVIDE AN ADDITIONAL 40 FEET (MINIMUM) OF CONDUCTORS WITHIN THE EXTERIOR JUNCTION BOX, AT THE BUILDING FOUNDATION PENETRATION, IN A PIGTAIL WITH EACH PHASE AND NEUTRAL CONDUCTOR PERMANENTLY LABELED BY ITS CORRESPONDING CIRCUIT NUMBER. THE SITE ELECTRICAL CONTRACTOR SHALL VERIFY THAT 40 FEET OF ADDITIONAL CONDUCTOR WILL BE ADEQUATE TO EXTEND FROM THE EXTERIOR JUNCTION BOX TO ELECTRICAL PANELS WITH 8' EXTRA CONDUCTOR TO EXTEND INTO EACH PANEL WITHOUT SPLICES. CONDUCTOR PIGTAIL LENGTH MAY NEED TO BE LONGER, WITHOUT SPLICES, DEPENDING ON FINAL PLACEMENT OF THE EXTERIOR JUNCTION BOXES IN RELATION TO THE PANEL LOCATIONS. THE BUILDING ELECTRICAL CONTRACTOR SHALL INSTALL THE REQUIRED SIZE AND QUANTITY OF CONDUITS AS DESIGNATED ON SHEET E4 TO THESE JUNCTION BOXES. THE SITE ELECTRICAL CONTRACTOR SHALL ROUTE SITE LIGHTING CONDUCTOR PIGTAILS FROM EXTERIOR JUNCTION BOXES INTO BUILDING ELECTRICAL PANELS WITHOUT SPLICES.

6. THE SITE LIGHTING SUB-CONTRACTOR SHALL INSTALL THE CONDUITS, PULL BOXES (IF REQUIRED) AND WIRE FOR THE SITE LIGHTING SYSTEM TO THE BUILDING LIMITS LINE (AS DEFINED BY LOWE'S) AND ALIGN THE CONDUITS AND/OR JUNCTION BOXES WITH THE ELECTRICAL ROOMS FROM WHICH THEY WILL TIE INTO. COORDINATE THE REQUIRED LOCATION AND CIRCUITING OF SITE CONDUITS AND CIRCUITS WITH THE BUILDING ELECTRICAL SUB-CONTRACTOR.

7. THE PANEL AND CIRCUIT NUMBER FOR EVERY PHASE CONDUCTOR SHALL BE LABELED AT EVERY JUNCTION (i.e. "SLA-6,8" WOULD BE REQUIRED ON THE END OF EVERY CONDUCTOR AT EVERY JUNCTION BOX FOR THE PHASE WIRE COMING FROM PANEL "SLA" CIRCUIT NUMBERS "6,8".

8. SYMBOLS ON THIS DRAWING HAVE BEEN ENLARGED FOR LEGIBILITY THESE SYMBOLS ARE NOT TO SCALE.

9. CONDUITS FOR LOWE'S ROAD, MONUMENT OR PYLON SIGNS SHALL BE ROUTED ALONG BACK OF CURBS AND ALONG SIDEWALKS AS MUCH AS POSSIBLE TO ENSURE FUTURE ACCESS. CONDUIT SHALL NOT BE ROUTED DIRECTLY ACROSS ANY EMPTY RETAIL SITES.

KEY NOTES

1. SITE ELECTRICAL CONTRACTOR TO COORDINATE LOCATION OF EASEMENTS, UNDERGROUND UTILITIES & DRAINAGE BEFORE DRILLING POLE BASES. (TYPICAL)
2. "NL" INDICATES THIS FIXTURE SHALL BE ON A NIGHT LIGHT CIRCUIT (TYPICAL). "NL" FIXTURES SHALL BE CIRCUITED TO A GEN-SET FED PANEL SUCH AS LPB OR SLB.
3. "X,X" DESIGNATIONS, BY FIXTURES IN PLAN VIEW, INDICATE THE CIRCUITS FIXTURES ARE TO BE CONNECTED TO. (TYPICAL).
4. "FL" INDICATES THIS LUMINAIRE SHALL BE A FLOOD LIGHT FIXTURE. MOUNTING BRACKET FOR THIS FL FIXTURE SHALL BE MOUNTED AT HEIGHT DESIGNATED IN SITE LIGHTING FIXTURE SCHEDULE ABOVE BOTTOM OF POLE BASE. TYPICAL FOR ALL LIGHT POLES ALONG STOREFRONT. (IF APPLICABLE)
5. EXTEND A 480/277V., 3ø CIRCUIT TO LOWE'S ROAD, MONUMENT OR PYLON SIGN. INSTALL A 30A, 3ø, NEMA 3R FUSIBLE DISC. SWITCH (EACH PHASE FUSED @ 20A). SIGN REQUIRES (3) 20A, 277V, 1ø CIRCUITS. SITE SIGNS SHALL BE CIRCUITED TO A GEN-SET FED PANEL SUCH AS LPB OR SLB. (IF APPLICABLE). SEE GENERAL NOTE 4.
6. PROVIDE PROTECTIVE GUARD POST AT DESIGNATED POLE BASES AS DENOTED ON PLAN. LOCATE AND CONSTRUCT GUARD POST AS SHOWN ON DETAIL ON THIS SHEET. (IF APPLICABLE).
7. SITE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH LIGHTING VENDOR TO ENSURE SINGLE FLOOD MOUNTING BRACKET IS SPECIFIED FOR RIGHT OR LEFT ORIENTATION ON POLE, BASED ON PLAN VIEW, PRIOR TO ORDERING. (IF APPLICABLE)
8. SITE LIGHTING EXTERIOR JUNCTION BOXES, IF REQUIRED, SHALL BE "H-20" LOAD RATED. PROVIDE 13"X24"X12" DEEP "QUAZITE" PG13248A12 BOX (QUANTITY (2) (STACKED)) WITH PG1324HH0029 LID, OR APPROVED EQUAL. DEEPER BOXES MAY BE REQUIRED WHEN THE CONDUIT ALIGNMENT IS AFFECTED BY OTHER UTILITIES. THE PULL BOX SHALL BE INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS WITH A CONCRETE COLLAR AND A MINIMUM OF 8" OF GRAVEL COMPACTED PER THE LOWE'S SITE WORK SPECIFICATIONS. SEE GENERAL NOTES 5 AND 6 FOR CONDUCTOR ROUTING REQUIREMENTS.
9. FIXTURES WITH ARROWS ARE DIRECTIONAL AND SHALL HAVE THE REFLECTORS FIELD ROTATED BY THE SITE ELECTRICAL SUBCONTRACTOR. ALIGN THE ARROWS ON THE REFLECTOR WITH THE DIRECTIONAL AIMING ARROWS INDICATED ON THESE DRAWINGS. REFER TO MANUFACTURER'S INSTRUCTIONS. THIS NOTE APPLIES TO ALL APPLICABLE FIXTURES THAT INCLUDE DIRECTIONAL AIMING ARROWS.

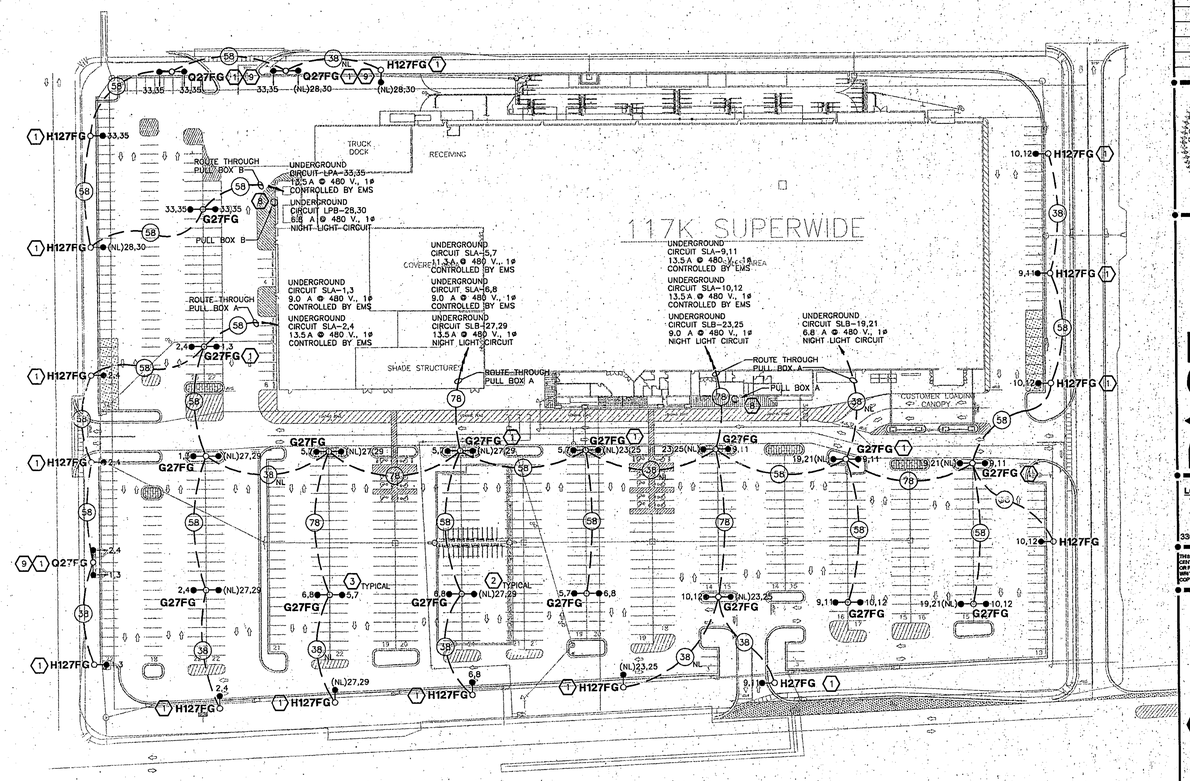
WIRE & CONDUIT SCHEDULE

38	(2) #8 THWN AND (1) #8 THWN GROUND IN 1" CONDUIT
36	(2) #6 THWN AND (1) #8 THWN GROUND IN 1" CONDUIT
48	(3) #8 THWN AND (1) #8 THWN GROUND IN 1" CONDUIT
46	(3) #6 THWN AND (1) #6 THWN GROUND IN 1-1/4" CONDUIT
58	(4) #8 THWN AND (1) #8 THWN GROUND IN 1" CONDUIT
56	(4) #6 THWN AND (1) #6 THWN GROUND IN 1-1/2" CONDUIT
68	(5) #8 THWN AND (1) #8 THWN GROUND IN 1" CONDUIT
66	(5) #6 THWN AND (1) #6 THWN GROUND IN 1-1/2" CONDUIT
78	(6) #8 THWN AND (1) #8 THWN GROUND IN 1-1/4" CONDUIT
76	(6) #6 THWN AND (1) #6 THWN GROUND IN 1-1/2" CONDUIT

NOTE:
ANY SPARE CONDUITS SHALL BE STUBBED UP INTO AN ACCESSIBLE LOCATION PER LOWE'S PROJECT MANAGER FOR POSSIBLE FUTURE USE.

SITE LIGHT CONTROL SCHEDULE

1st STAGE (NL)	17.2 KW
LPB-28,30	3.2 KW
SLB-27,29	6.4 KW
SLB-23,25	4.4 KW
SLB-19,21	3.2 KW
2nd STAGE	17.2 KW
SLA-2,4	6.4 KW
SLA-6,8	4.4 KW
SLA-10,12	6.4 KW
3rd STAGE	22.6 KW
LPA-33,35	6.4 KW
SLA-1,3	4.4 KW
SLA-5,7	5.4 KW
SLA-9,11	6.4 KW
TOTAL SITE LIGHT	57.0 KW



1 SLI SITE LIGHTING PLAN
SCALE 1"=60'-0"

NOTE:
ONLY COOPER FIXTURES SHALL BE APPROVED FOR THIS SITE. (NO SUBSTITUTES ALLOWED)

NOTE:
SITE ELECTRICAL CONTRACTOR SHALL BE REQUIRED TO SUBMIT THIS SHEET AND PHOTOMETRIC PLAN TO MANUFACTURER'S REPRESENTATIVE FOR VERIFICATION OF LABEL, FIXTURE MODEL NUMBER, AND POLE MODEL NUMBER.

NOTE:
THE LIGHTING CONTROL SCHEDULE SHALL BE COORDINATED WITH SQUARE-D TO ENSURE THAT LOWE'S IS ABLE TO STAGE THE QUANTITY AND LOCATION OF LIGHTS AS IS INDICATED IN THIS SCHEDULE.

NOTE:
EACH STAGE SHALL BE A PROGRAMMABLE OUTPUT OF THE NOVAR BMS. EACH 2-POLE CIRCUIT SHALL HAVE A CONTACTOR OR SQUARE-D POWER LINK BREAKER THAT IS CONTROLLED BY THE OUTPUT OF A STAGE AS INDICATED IN THIS SCHEDULE.

REVISIONS
PRE-BID SET ISSUE DATE / POST BID SET ISSUE DATE

DATE	DESCRIPTION

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LOWE'S

SITE LIGHTING PLAN, SCHEDULES, NOTES AND DETAILS
LOWE'S OF PRINCE GEORGE CO.
PRINCE GEORGE, VIRGINIA
PROJECT No: 07516 | DRAWN BY: DHK | CHECKED BY: CARP

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