

Festival Style ("String Light") Lighting System Option

Item	Qty.	Unit
F&I Conduit Trench	220	LF
F&I Conduit (3/4")	220	LF
F&I Wiring, THWN # 10	660	LF
F&I Wiring, THWN # 8	100	LF
F&I Pull Box for String Light	2	EA
F&I 10'X5/8" Ground Rod	2	EA
F&I 277v Light Switch in Weatherproof Enclosure	1	EA
String Light Pole & Installation	10	EA
Stainless Steel Aircraft Cable for String Lights	1	LS
Strings Lights and Transformers	1	LS

As shown on plan set sheets E101 and E102 applicable to the String Lighting System design.

⊗	LED POLE LIGHT WITH DISTRIBUTION PATTERN AS PER SCHEDULE
⊗	LED POLE LIGHT WITH DISTRIBUTION PATTERN AS PER SCHEDULE
⊗	30' POLE FOR STRING LIGHTS
⊗	DUPLEX RECEPT - 20 AMP (40' A.F.F.)
⊗	DUPLEX RECEPT - 20 AMP (40' A.F.F.)
⊗	DRYER RECEPT - 30 AMP (40' A.F.F.)
⊗	DRYER RECEPT - 30 AMP (40' A.F.F.)
⊗	SINGLE POLE SWITCH - 20 AMP (40' A.F.F.)
⊗	SINGLE POLE SWITCH - 20 AMP (40' A.F.F.)
⊗	THREE WAY SWITCH - 20 AMP (40' A.F.F.)
⊗	THREE WAY SWITCH - 20 AMP (40' A.F.F.)
⊗	4" JUNCTION BOX WITH 2" WENTS (A.F.F.)
⊗	4" JUNCTION BOX
⊗	CONTACTOR OR STARTER
⊗	POSSIBLE RECONNECTABLE POLES, RATED AMP AND FUSES PER MP
⊗	POSSIBLE RECONNECTABLE POLES, RATED AMP AND FUSES PER MP
⊗	ELECTRICAL RECOMMENDATION
⊗	ELECTRICAL PANEL/SCHED
⊗	TRANSFORMER
⊗	GROUNDING ELECTRODE & CONDUCTOR SYSTEM
⊗	GROUND-JAILY CIRCUIT INTERRUPTER

EXISTING LIGHT POLE AND FUTURE TO BE REMOVED. REPLACED WITH NEW TYPE "SA". EXTEND AND MODIFY EXISTING CIRCUIT TO FULFILL EXISTING AND FUTURE REQUIREMENTS. REPAIR AND REFINISH EXISTING PULLEX SPINNING PREVIOUSLY REMOVED TO NEW FUTURE TYPE "SA". PULLEX SPINNING SHALL REMAIN IN SAME LOCATION AS EXISTING.

EXISTING FTL POLE LIGHT TO REMAIN.

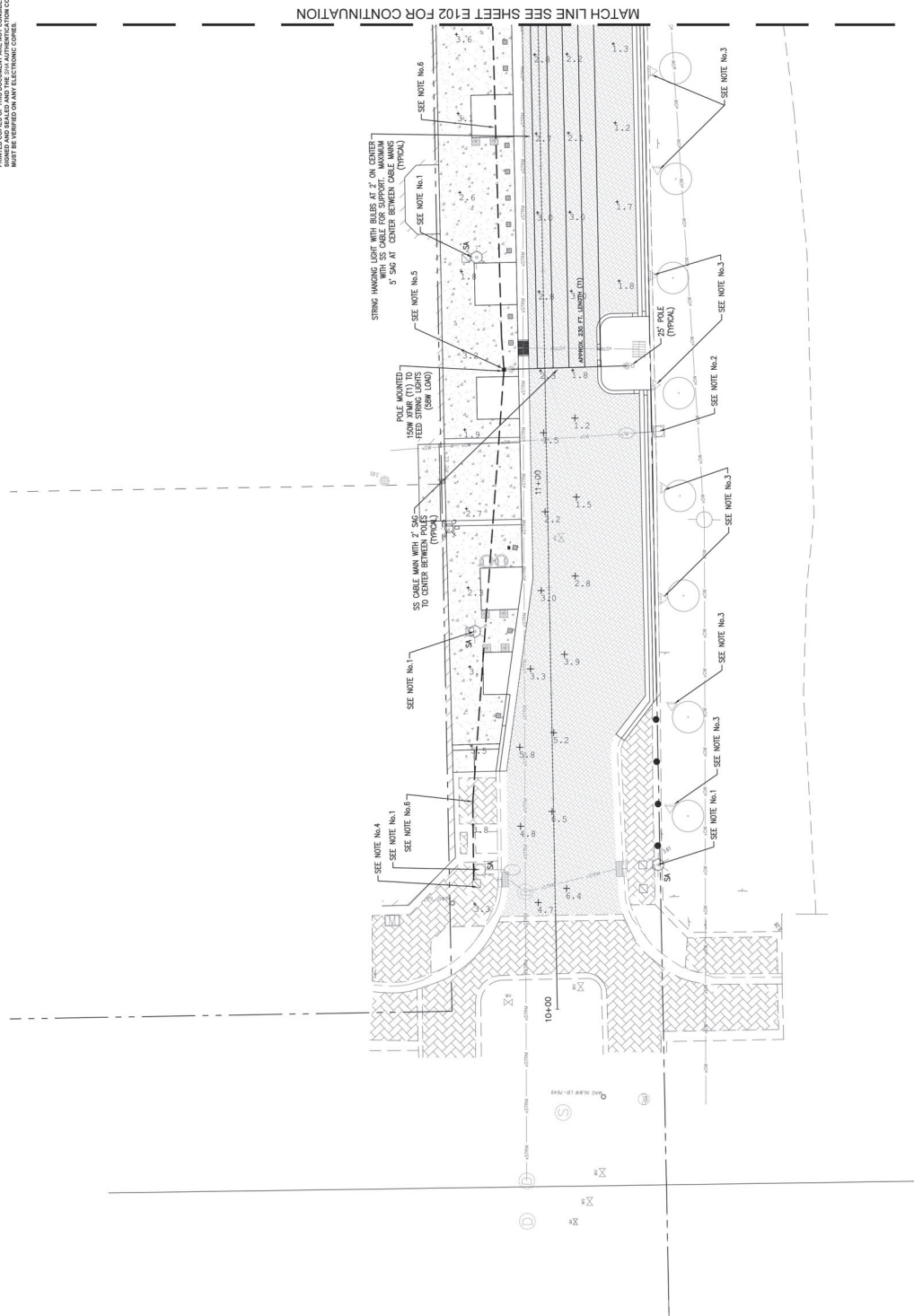
EXISTING 27" FTL FLOODED LIGHT TO BE DISCONNECTED TO POWER SUPPLY. EXISTING 27" FTL FLOODED LIGHT SHALL REMAIN IN SAME LOCATION. COORDINATED BY THE DDA PROJECT MANAGER.

EXISTING STRONG LIGHT POLE RUN WITH 277/480V ELECTRICAL CIRCUIT (SA-13). "WP" CIRCUIT FOR STRONG LIGHTS UNTO SA-11. DETAILS ON SHEET EINE.

(2) #10 AND #10 AND IN 3/4" P.C.

CONTRACTOR SHALL VERIFY PRIOR TO FINAL ACCEPTANCE OF PROJECT THAT ALL WORK IS IN ACCORDANCE WITH THE ABOVE FINISHED STRONG LIGHTS. CONTRACTOR SHALL VERIFY THAT ALL WORK IS IN ACCORDANCE WITH THE ABOVE FINISHED STRONG LIGHTS.

Calculation Summary						
Label	Avg	Max	Min	AngMin	MaxMin	LVRatio
PASSING	1.27	2.3	0.5	2.54	4.88	N.A.
SECONDARY	2.09	5.5	0.7	2.99	7.88	N.A.
SOUTH BOUND_Vol_Lum	0.12	0.3	0.0	N.A.	N.A.	0.26
SW 2ND AVE	2.22	6.5	0.6	3.70	11.17	



1 PARTIAL ELECTRICAL PLAN

Jorge R Cervantes
Digitally signed by Jorge R Cervantes
Date: 2019.07.23 16:57:10 -04'00'



STRING LIGHT ALTERNATE BID:

This item has been digitally signed and sealed by Jorge R. Cervantes, PE, using a Digital Signature on 07/23/2019. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

ELEVATIONS SHOWN HEREON ARE NAVD 1988

100% PLANS

JORGE CERVANTES, P.E.
STATE OF FLORIDA PROFESSIONAL ENGINEER
LICENSE No. 45832

SW 2ND AVE STREETSCAPE PROJECT
PROJECT NUMBER: DESIGN-2018-1
SW 2ND AVE, FORT LAUDERDALE, FLORIDA

Calvin, Giordano & Associates, Inc.
EXCEPTIONAL SOLUTIONSSM
800 Eller Drive, Suite 600, Fort Lauderdale, Florida 33316
Phone: 954.921.7788 • Fax: 954.921.8807

[illegible]

ELECTRICAL PLAN

E101

CAM #19-0940
Exhibit 1
Page 2 of 3

LED POLE LIGHT WITH DISTRIBUTION PATTERN AS PER SCHEDULE	LED POLE LIGHT WITH DISTRIBUTION PATTERN AS PER SCHEDULE
1. POLE FOR STRING LIGHTING 2. DUPLEX RECEPT - 20 AMP (40 A.F.F.) 3. DUPLEX RECEPT FOR WATER HEATER - 20 AMP (40 A.F.F.) 4. DUPLEX RECEPT FOR MONITOR - 20 AMP (POUCHING TYPE) 5. SINGLE POLE SWITCH - 20 AMP (40 A.F.F.) 6. THREE WAY SWITCH - 20 AMP (40 A.F.F.) 7. FUSE BOX WITH 10 AMP (40 A.F.F.) 8. FUSE BOX WITH 200 AMP (40 A.F.F.) 9. JUNCTION BOX 10. JUNCTION BOX 11. JUNCTION BOX 12. JUNCTION BOX 13. JUNCTION BOX 14. JUNCTION BOX 15. JUNCTION BOX 16. JUNCTION BOX 17. JUNCTION BOX 18. JUNCTION BOX 19. JUNCTION BOX 20. JUNCTION BOX 21. JUNCTION BOX 22. JUNCTION BOX 23. JUNCTION BOX 24. JUNCTION BOX 25. JUNCTION BOX 26. JUNCTION BOX 27. JUNCTION BOX 28. JUNCTION BOX 29. JUNCTION BOX 30. JUNCTION BOX 31. JUNCTION BOX 32. JUNCTION BOX 33. JUNCTION BOX 34. JUNCTION BOX 35. JUNCTION BOX 36. JUNCTION BOX 37. JUNCTION BOX 38. JUNCTION BOX 39. JUNCTION BOX 40. JUNCTION BOX 41. JUNCTION BOX 42. JUNCTION BOX 43. JUNCTION BOX 44. JUNCTION BOX 45. JUNCTION BOX 46. JUNCTION BOX 47. JUNCTION BOX 48. JUNCTION BOX 49. JUNCTION BOX 50. JUNCTION BOX 51. JUNCTION BOX 52. JUNCTION BOX 53. JUNCTION BOX 54. JUNCTION BOX 55. JUNCTION BOX 56. JUNCTION BOX 57. JUNCTION BOX 58. JUNCTION BOX 59. JUNCTION BOX 60. JUNCTION BOX 61. JUNCTION BOX 62. JUNCTION BOX 63. JUNCTION BOX 64. JUNCTION BOX 65. JUNCTION BOX 66. JUNCTION BOX 67. JUNCTION BOX 68. JUNCTION BOX 69. JUNCTION BOX 70. JUNCTION BOX 71. JUNCTION BOX 72. JUNCTION BOX 73. JUNCTION BOX 74. JUNCTION BOX 75. JUNCTION BOX 76. JUNCTION BOX 77. JUNCTION BOX 78. JUNCTION BOX 79. JUNCTION BOX 80. JUNCTION BOX 81. JUNCTION BOX 82. JUNCTION BOX 83. JUNCTION BOX 84. JUNCTION BOX 85. JUNCTION BOX 86. JUNCTION BOX 87. JUNCTION BOX 88. JUNCTION BOX 89. JUNCTION BOX 90. JUNCTION BOX 91. JUNCTION BOX 92. JUNCTION BOX 93. JUNCTION BOX 94. JUNCTION BOX 95. JUNCTION BOX 96. JUNCTION BOX 97. JUNCTION BOX 98. JUNCTION BOX 99. JUNCTION BOX 100. JUNCTION BOX	1. POLE FOR STRING LIGHTING 2. DUPLEX RECEPT - 20 AMP (40 A.F.F.) 3. DUPLEX RECEPT FOR WATER HEATER - 20 AMP (40 A.F.F.) 4. DUPLEX RECEPT FOR MONITOR - 20 AMP (POUCHING TYPE) 5. SINGLE POLE SWITCH - 20 AMP (40 A.F.F.) 6. THREE WAY SWITCH - 20 AMP (40 A.F.F.) 7. FUSE BOX WITH 10 AMP (40 A.F.F.) 8. FUSE BOX WITH 200 AMP (40 A.F.F.) 9. JUNCTION BOX 10. JUNCTION BOX 11. JUNCTION BOX 12. JUNCTION BOX 13. JUNCTION BOX 14. JUNCTION BOX 15. JUNCTION BOX 16. JUNCTION BOX 17. JUNCTION BOX 18. JUNCTION BOX 19. JUNCTION BOX 20. JUNCTION BOX 21. JUNCTION BOX 22. JUNCTION BOX 23. JUNCTION BOX 24. JUNCTION BOX 25. JUNCTION BOX 26. JUNCTION BOX 27. JUNCTION BOX 28. JUNCTION BOX 29. JUNCTION BOX 30. JUNCTION BOX 31. JUNCTION BOX 32. JUNCTION BOX 33. JUNCTION BOX 34. JUNCTION BOX 35. JUNCTION BOX 36. JUNCTION BOX 37. JUNCTION BOX 38. JUNCTION BOX 39. JUNCTION BOX 40. JUNCTION BOX 41. JUNCTION BOX 42. JUNCTION BOX 43. JUNCTION BOX 44. JUNCTION BOX 45. JUNCTION BOX 46. JUNCTION BOX 47. JUNCTION BOX 48. JUNCTION BOX 49. JUNCTION BOX 50. JUNCTION BOX 51. JUNCTION BOX 52. JUNCTION BOX 53. JUNCTION BOX 54. JUNCTION BOX 55. JUNCTION BOX 56. JUNCTION BOX 57. JUNCTION BOX 58. JUNCTION BOX 59. JUNCTION BOX 60. JUNCTION BOX 61. JUNCTION BOX 62. JUNCTION BOX 63. JUNCTION BOX 64. JUNCTION BOX 65. JUNCTION BOX 66. JUNCTION BOX 67. JUNCTION BOX 68. JUNCTION BOX 69. JUNCTION BOX 70. JUNCTION BOX 71. JUNCTION BOX 72. JUNCTION BOX 73. JUNCTION BOX 74. JUNCTION BOX 75. JUNCTION BOX 76. JUNCTION BOX 77. JUNCTION BOX 78. JUNCTION BOX 79. JUNCTION BOX 80. JUNCTION BOX 81. JUNCTION BOX 82. JUNCTION BOX 83. JUNCTION BOX 84. JUNCTION BOX 85. JUNCTION BOX 86. JUNCTION BOX 87. JUNCTION BOX 88. JUNCTION BOX 89. JUNCTION BOX 90. JUNCTION BOX 91. JUNCTION BOX 92. JUNCTION BOX 93. JUNCTION BOX 94. JUNCTION BOX 95. JUNCTION BOX 96. JUNCTION BOX 97. JUNCTION BOX 98. JUNCTION BOX 99. JUNCTION BOX 100. JUNCTION BOX

EXISTING LIGHT POLE AND FUTURE TO BE REMOVED, REPLACED WITH NEW TYPE "SA", EXTEND AND MODIFY EXISTING CIRCUIT FROM PULLBOX SERVING PREVIOUS FUTURE TO NEW FUTURE TYPE "SA". PREVIOUS FUTURE TO REMAIN IN SAME LOCATION AS PREVIOUS FUTURE.

2. EXISTING FPL CORBIN HEAD STREET LIGHT SHALL BE REMOVED BY FPL. EXISTING FPL LIGHT TO REMAIN

3. EXISTING FPL LIGHT TO REMAIN

4. EXISTING 27' TALL FLOODLIGHT TO BE DISCONNECTED TO POWER POLE. REMAINS TO BE DISCONNECTED BY THE DIA PROJECT CONTRACTOR.

5. PULL BOX BY FPL FOR STRING LIGHTING CIRCUIT UP TO POLE. SEE SHEET E10A.

6. (2) #10 AND #10 AND IN 3/4" PVC.

CONTRACTOR SHALL VERIFY PRIOR TO FINAL ACCEPTANCE OF PROJECT, THAT ALL MATERIALS AND METHODS OF CONSTRUCTION ARE IN ACCORDANCE WITH THE SPECIFICATIONS AND DRAWINGS. CONTRACTOR SHALL PROVIDE A WRITTEN VERIFICATION.



STRING LIGHT ALTERNATE BID:

THE CONTRACTOR SHALL PROVIDE, AS A SEPARATE BID ITEM, ALL RELATED INSTALLATION REQUIREMENTS FOR THE STRING LIGHTING INDICATED IN THESE DOCUMENTS. ALTERNATE BID SHALL INCLUDE, BUT NOT LIMITED TO, STRING LIGHTS, POLES, CONDUITS, WIRING, TRANSFORMERS, ETC. RELATED TO THE STRING LIGHT FULLY FUNCTIONAL SYSTEM LOCATED HEREIN.

100% PLANS

811

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Certificate of Authorization 514

SW 2ND AVE STREETSCAPE PROJECT
PROJECT NUMBER: DESIGN-2018-1
SW 2ND AVE, FORT LAUDERDALE, FLORIDA

ELECTRICAL PLAN

P.E.

JORGE CERVANTES, P.E.
STATE OF FLORIDA PROFESSIONAL ENGINEER

AS NOTED

18-1488