

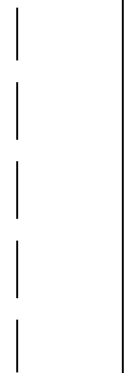
NJTA LIGHTING AND POWER DISTRIBUTION

DESCRIPTION OF ITEMS

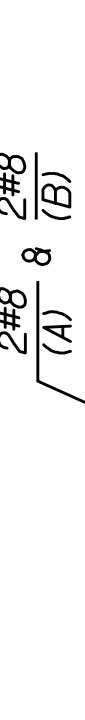
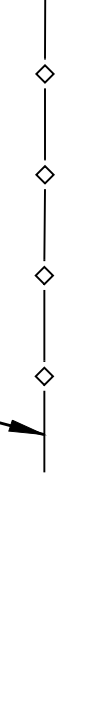
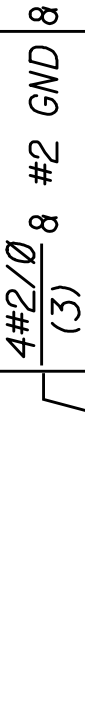
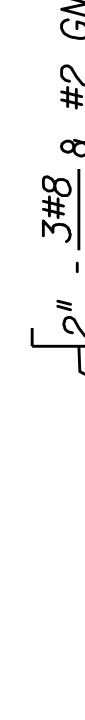
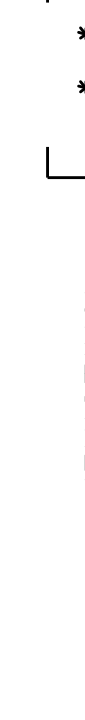
- 3" CABLE DUCT
- 3" RIGID NONMETALLIC CONDUIT, PVC-UTILITY GRADE (SEE NOTE 1)
- 3" RIGID NONMETALLIC CONDUIT, PVC-SCHEDULE 40 (SEE NOTE 1)
- 3" NONMETALLIC CONDUIT, PVC-SCHEDULE 80 (SEE NOTE 1)
- 3" RIGID NONMETALLIC CONDUIT, ASBESTOS CEMENT (SEE NOTE1)
- 3" RIGID METALLIC CONDUIT, GALVANIZED STEEL (SEE NOTE 1 & 2)
- 3" RIGID METALLIC CONDUIT, GALVANIZED WROUGHT IRON OR CORROSION RESISTANT STEEL (SEE NOTE 1)
- 3" RIGID METALLIC CONDUIT, ON STRUCTURES (SEE NOTE 1)
- 3" RIGID METALLIC CONDUIT, EXPOSED (SEE NOTES 1 & 3)
- MULTIPLE 3" CABLE DUCTS (NO. OF DUCTS AS NOTED (SEE NOTE 4)
- MULTIPLE 3" CONDUIT (NO. AND TYPE OF CONDUITS AS SHOWN, USE APPROPRIATE SYMBOL)(SEE NOTES 1 & 4)
- MULTIPLE 3" CONDUIT BANK, CONCRETE ENCASED (NO. AND TYPE OF CONDUITS AS SHOWN- USE APPROPRIATE CONDUIT SYMBOL) (SEE NOTES 1 & 4)
- COMMUNICATIONS CABLE, DIRECTLY BURIED (NO. OF PAIRS AS NOTED)
- COMMUNICATIONS CABLE IN CONDUIT (NO. OF PAIRS AS NOTED - USE APPROPRIATE CONDUIT SYMBOLS)
- CONTROL CABLE, DIRECTLY BURIED (NO. OF CABLES AS NOTED)
- CONTROL CABLE IN CONDUIT (NO. OF CONDUCTORS AS NOTED - USE APPROPRIATE CONDUIT SYMBOL)
- LEAD TRUNK CABLE, DIRECTLY BURIED (NO. OF CABLES-LT-PAIRS PER CABLE)
- LEAD TRUNK CABLE, IN CONDUIT (USE APPROPRIATE CONDUIT SYMBOL) (NO. OF CABLES-LT-PAIRS PER CABLE)
- CONDUIT ADAPTOR BETWEEN DISSIMILAR CONDUITS
- CAPPED CONDUIT
- RELOCATED EXISTING ITEMS

SYMBOLS

EXISTING



PROPOSED



TYPICAL NOTATIONS

- 3 - LIGHTING STANDARD / LUMINAIRE NUMBER
- 2 - CIRCUIT NUMBER (MULTIPLE LIGHTING SYSTEM)
- C - PHASE CONNECTION
- A - LUMINAIRE TYPE
- 150 - LUMINAIRE WATTAGE
- 145+50 - STATION

- TO - LIGHTING STANDARD / LUMINAIRE NUMBER
- B - LOOP CIRCUIT DESIGNATION (SERIES LIGHTING SYSTEM)
- 8N - TRANSFORMER STATION
- SC - LUMINAIRE TYPE
- 200 - LUMINAIRE WATTAGE
- 209+72 - STATION

* TO BE FILLED PER ABOVE FOR EXISTING LIGHTING STANDARDS

- 4, 5, 6 - LIGHTING STANDARD / LUMINAIRE NUMBER
- 2 - CIRCUIT NUMBER
- A, B, C, - PHASE CONNECTIONS
- E - LUMINAIRE TYPE
- 400 - LUMINAIRE WATTAGE
- 60 - DEGREE OF TILT
- 1042+73 - STATION

- UB3 - UNDERBRIDGE LUMINAIRE NUMBER
- 2 - CIRCUIT NUMBER
- A - PHASE CONNECTION
- W - LUMINAIRE TYPE
- 150 - LUMINAIRE WATTAGE

- 2" - CONDUIT SIZE (NOT REQUIRE FOR 3"CONDUIT)
- 4 - NUMBER OF CABLES
- 6 - SIZE OF CABLES
- (1) - CIRCUIT NUMBER

* TO BE FILLED PER ABOVE

PROPOSED 3" RIGID NONMETALLIC CONDUIT (PVC-SCHEDULE 40) WITH 4#2 (CIRC.#3) MULTIPLE LIGHTING CABLES AND #8 GND

EXISTING 2" RIGID METALLIC CONDUIT (GALVANIZED STEEL) WITH EXISTING 3#8 (CIRC.#4) MULTIPLE LIGHTING CABLES AND #8 GND

PROPOSED 3" RIGID NONMETALLIC CONDUIT (PVC-SCHEDULE 80) WITH 4#2/0 (CIRC.#5) AND 2#6 (CIRC.#7) MULTIPLE LIGHTING CABLES AND #4 GND

EXISTING 3" RIGID NONMETALLIC CONDUIT (PVC-SCHEDULE 40) WITH EXISTING 4#2/0 (CIRC.#3) AND EXISTING #2 GND AND PROPOSED 2#6 (CIRC.#7) CABLES

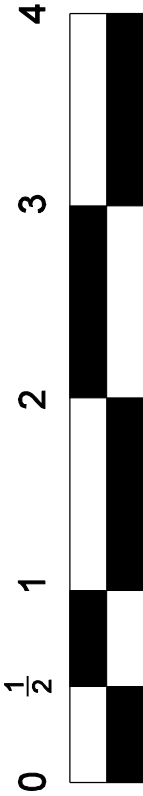
PROPOSED 3" RIGID METALLIC CONDUIT (GALVANIZED STEEL) WITH 2#8 (LOOP-A) AND 2#8 (LOOP-B) SERIES LIGHTING CABLES

NOTES:

- CONDUIT SYMBOL SHOWN FOR 3" SIZE IS ALSO TO BE USED FOR OTHER SIZES, AS PROPERLY IDENTIFIED.
- IF A SEGMENT OF CONDUIT IS TO BE INSTALLED BY JACKING, AN APPROPRIATE NOTE SHOULD BE POINTED TO THE CONDUIT SYMBOL.
- THIS SYMBOL SHOULD ALSO BE USED TO REPRESENT SHORT CONDUIT SECTIONS WHICH CAN NOT BE CLEARLY SHOWN BY THE OTHER CONDUIT SYMBOLS. IN SUCH CASES, THE TYPE AND SIZE OF CONDUITS SHOULD BE NOTED.
- WHEN THIS SYMBOL IS USED, A SECTION OF BANKED CONDUITS SHOULD BE SHOWN, AND EACH CONDUIT AND THE CABLES THEREIN BE PROPERLY IDENTIFIED.
- IN ORDER THAT THE SYMBOLS WILL BE LEGIBLE WHEN PLANS ARE REDUCED TO HALF SIZE, SUFFICIENTLY LARGE SYMBOLS WITH CONTRASTING LINE WEIGHTS SHOULD BE USED.
- LIGHTING STANDARD OR LUMINAIRE NO. MUST BE CONNECTED TO SINGLE POLE CIRCUIT BREAKER.

NOTES TO ENGINEER

- THESE NOTES TO ENGINEER SHALL NOT APPEAR ON PROJECT-SPECIFIC LEGEND.
- CONTRACT DOCUMENTS SHOULD REFLECT ONLY THOSE SYMBOLS USED ON THE PROJECT.
- SYMBOLS FOR CUSTOM EQUIPMENT SHALL FOLLOW THE GENERAL CONVENTIONS SET FORTH FOR STANDARD SYMBOLS. ALL CUSTOM SYMBOLS SHALL BE APPROVED BY THE AUTHORITY PRIOR TO USE, AS DIRECTED IN THE DESIGN MANUAL.



ORIGINAL SIZE IN INCHES

NEW JERSEY TURNPIKE AUTHORITY

STANDARD ELECTRICAL LEGEND

-4-

SCALE: NONE
DATE: MAY 2008

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