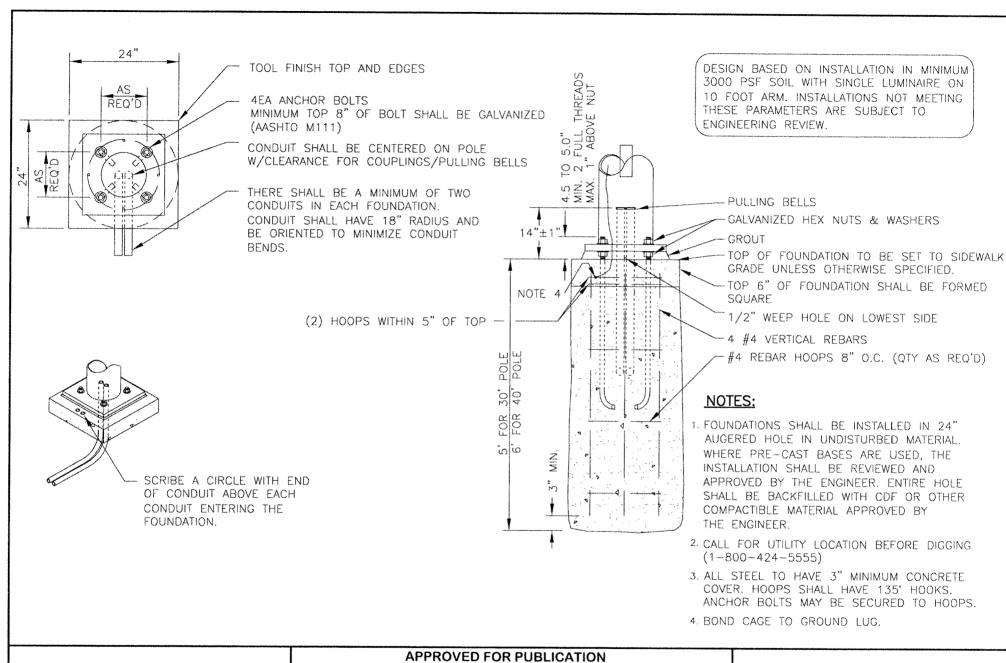


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2/4/03 CITY ENGINEER

LUMINAIRE ON WOOD POLE TYPICAL INSTALLATION

STANDARD PLAN NO.



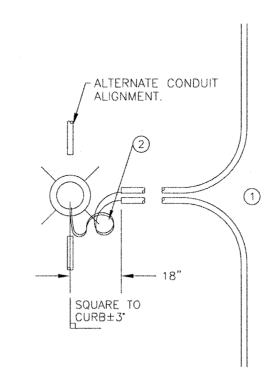
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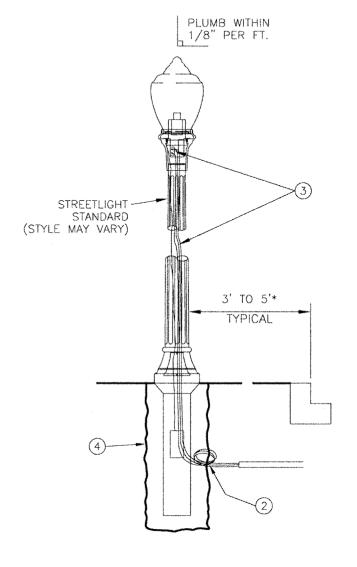
3/19/03 CITY ENGINEER DATE 2/4/03 STREETLIGHT FOUNDATION 30' & 40'

STANDARD PLAN NO.

NOTES:

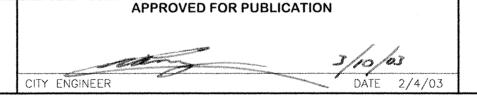
- 1 INTERCEPT EXISTING CONDUIT, WHERE APPLICABLE, AND ROUTE TOWARD LIGHT STANDARD. TERMINATE CONDUIT(S) APPROXIMATELY 12" FROM BASE OF STANDARD. SFAL END OF CONDUITS WITH TAPE.
- (2) COIL THREE FEET OF WIRE AT END OF CONDUIT BEFORE ENTERING BASE OF STANDARD.
- 3 ROUTE WIRE UP TO TERMINAL BLOCK WITHOUT SPLICING.
- (4) MINIMUM AUGER SIZE IS 12". BACKFILL WITH CRUSHED SURFACING TOP COURSE. TAMP IN 6 INCH LIFTS.
- (5) SQUARE POLE TO CURB ±3 DEGREES.





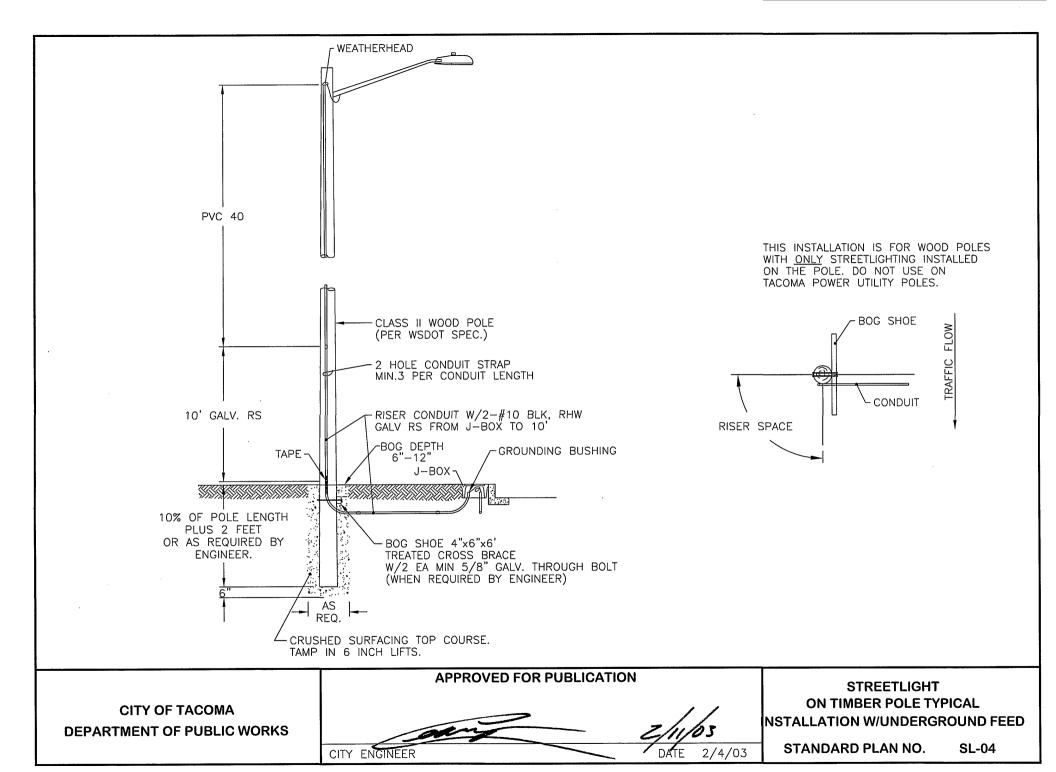
* OR AS DETERMINED BY ENGINEER

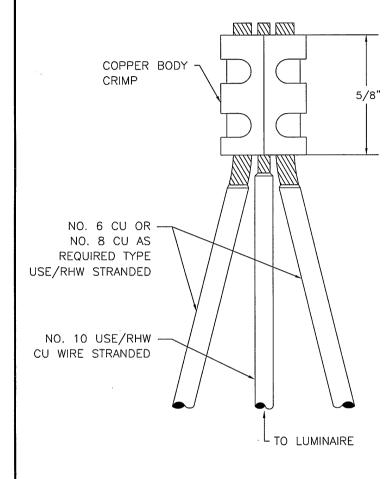
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STREETLIGHT STANDARD EMBEDDED TYPE INSTALLATION DETAIL-TYPICAL

STANDARD PLAN NO.





STREETLIGHTING TAP

FOR USE IN BASE OF STANDARDS

TAPING INSTRUCTIONS

- 1. MAKE SPLICE AS SHOWN IN FIGURE A
- 2. APPLY TAPE AS SHOWN IN FIGURE A APPLY TAPE AND "SCOTHKOTE" MOISTURE RESISTANT ELECTRICAL COATING OVER ENTIRE SPLICE AREA.
- 3. ATTACH CABLE TIE A MINIMUM OF 2" FROM THE PRESSURE CONNECTOR AS SHOWN IN FIGURE B.
- 4. APPLY SECOND COAT OF VARNISH.

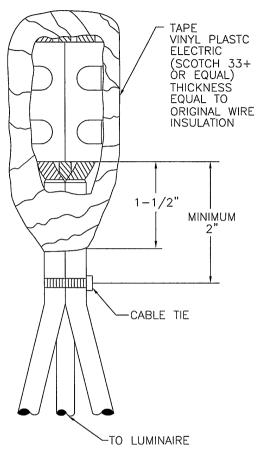


FIGURE B

FIGURE A

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Z/1/03 DATE 2/4/03 STREETLIGHT SPLICE FOR HANDHOLES

STANDARD PLAN NO.

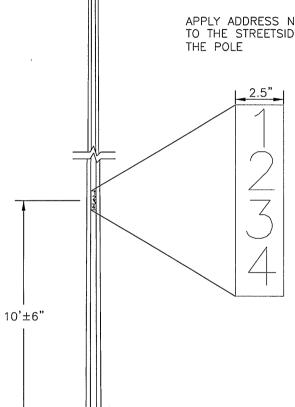
WOOD POLES:

2" NUMBERS NAIL ON ALUMINUM NUMBERS

METAL/CONCRETE/FIBERGLASS POLES

3" NUMBERS (C OR D SERIES)

APPLY ADDRESS NUMBERS TO THE STREETSIDE OF THE POLE



COLORS:

CONCRETE POLES:

BACKGROUND: LIGHT BEIGE FOREGROUND: DARK BROWN

UNPAINTED ALUMINUM OR GALVANIZED POLES:

BACKGROUND: NONE FOREGROUND: BLACK

IF THERE ARE EXISTING NUMBERS ON POLE PAINT OVER OR REMOVE OLD NUMBERS

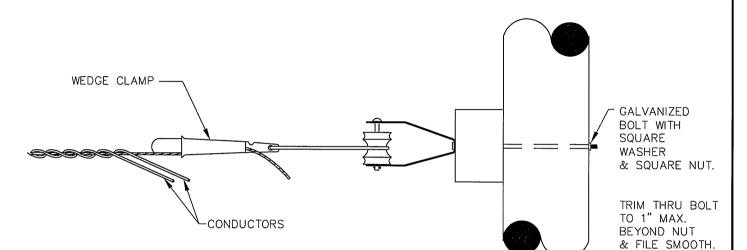
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2/4/03

STREETLIGHT POLE ADDRESSES TYPICAL DETAIL

STANDARD PLAN NO.



MAXIMUM TENSION = 100 POUNDS TYPICAL MAXIMUM SPAN LENGTHS

TRIPLEX SIZE 1/0 #2 #4 #6 SAG 2.5 FEET 65 85 105 125 5 FEET 120 150 95 180 7.5 FEET 115 150 180 220

WOOD POLE

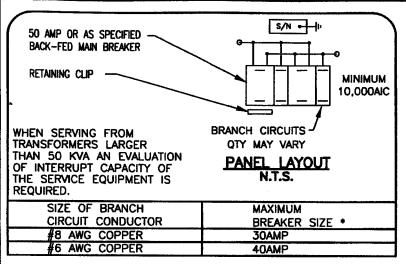
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CITY ENGINEER DATE 2/4/03

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STREETLIGHT OVERHEAD TRIPLEX SPANS TYPICAL INSTALLATION

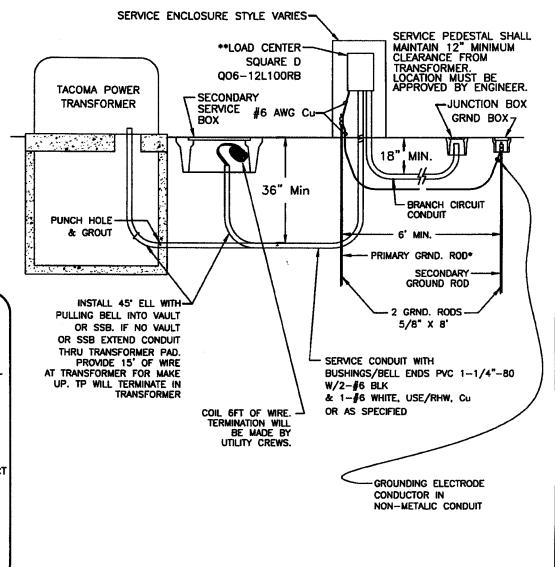
STANDARD PLAN NO.



* SIZE BASED ON ENSURING BREAKER WILL TRIP ON FAULTS AT END OF LONG CIRCUITS.

PROCEDURE:

- OBTAIN ELECTRICAL PERMIT FROM TACOMA POWER FOR EACH ELECTRICAL SERVICE.
- 2. COMPLETE SERVICE PANEL INSTALLATION EXEPT FOR ENTERING TRANSFORMER VAULT OR PAD. FOR SSB INSTALLATIONS, INSTALL CONDUIT AND WIRE INTO SSB.
- 3. PREFERRED PRACTICE IS TO OBTAIN SERVICE FROM SSB. CONTACT TACOMA POWER BEFORE SERVICING STREETLIGHTS FROM TRANSFORMER.
- ARRANGE FOR ELECTRICAL INSPECTION AND CUT-IN BY TACOMA POWER (502-8277).
- 5. AFTER TACOMA POWER ACCEPTANCE OF SERVICE PANEL CONTACT THE UNDERGROUND RESIDENTIAL DISTRIBUTION (URD) OFFICE (502-8232) TO ARRANGE FOR CONDUIT AND CONDUCTOR ENTERANCE INTO TRANSFORMERS.
- *6. PRIMARY GROUND ROD MAY BE LOCATED OUTSIDE OF SERVICE ENCLOSURE IN GROUND ROD BOX.
- **7. DO NOT PENETRATE OUTER WALL OF ENCLOSURE WHEN MOUNTING EQUIPMENT HARDWARE.



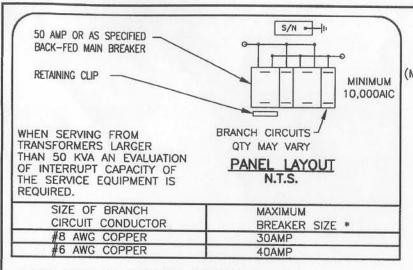
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STREETLIGHT SERVICE DETAIL UNDERGROUND TYPE A

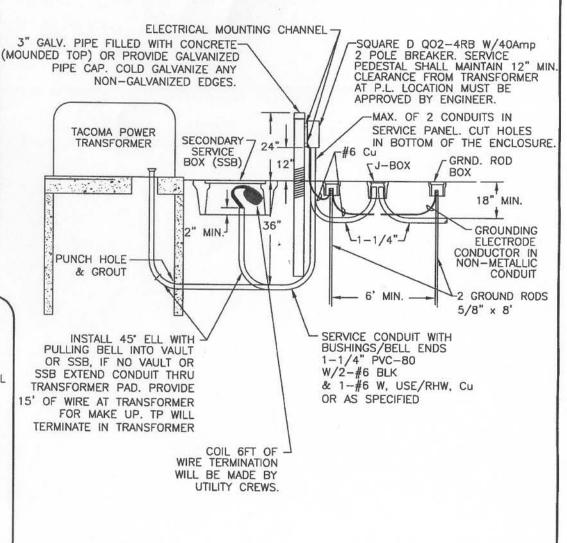
STANDARD PLAN NO.



* SIZE BASED ON ENSURING BREAKER WILL TRIP ON FAULTS AT END OF LONG CIRCUITS.

PROCEDURE:

- OBTAIN ELECTRICAL PERMIT FROM TACOMA POWER FOR EACH ELECTRICAL SERVICE.
- COMPLETE SERVICE PANEL INSTALLATION EXEPT FOR ENTERING TRANSFORMER VAULT OR PAD. FOR SSB INSTALLATIONS, INSTALL CONDUIT AND WIRE INTO SSB.
- PREFERRED PRACTICE IS TO OBTAIN SERVICE FROM SSB. CONTACT TACOMA POWER BEFORE SERVICING STREETLIGHTS FROM TRANSFORMER.
- ARRANGE FOR ELECTRICAL INSPECTION AND CUT-IN BY TP (502-8277).
- AFTER TP ACCEPTANCE OF SERVICE PANEL CONTACT THE UNDERGROUND RESIDENTIAL DISTRIBUTION (URD) OFFICE (502-8232) TO ARRANGE FOR CONDUIT AND CONDUCTOR ENTERANCE INTO TRANSFORMERS.
- **6. DO NOT PENETRATE OUTER WALL OF ENCLOSURE WHEN MOUNTING EQUIPMENT HARDWARE.



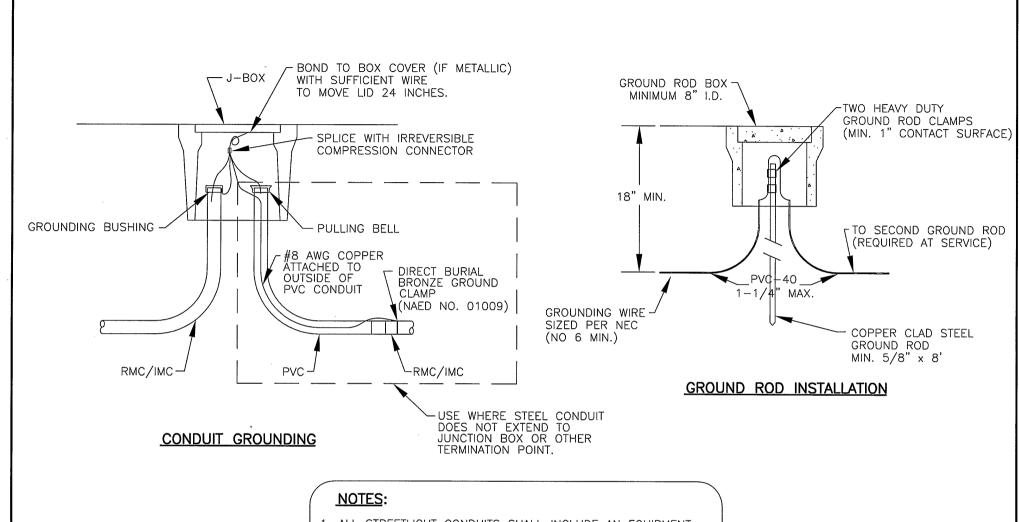
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5/31/02 DATE STREETLIGHT SERVICE DETAIL UNDERGROUND TYPE B

STANDARD PLAN NO.



- ALL STREETLIGHT CONDUITS SHALL INCLUDE AN EQUIPMENT GROUNDING CONDUCTOR.
- 2. METALLIC CONDUIT SHALL BE BONDED AT BOTH ENDS TO THE EQUIPMENT GROUNDING CONDUCTOR.

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3. EQUIPMENT GROUNDING CONDUCTORS SHALL BE STRANDED INSULATED COPPER.

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2/11/03

CITY ENGINEER DATE 2/4/

STREETLIGHT

GROUNDING DETAIL

STANDARD PLAN NO. SL-10