**NOT TO SCALE**

**MDOT**

**PREPARED BY**
TRAFFIC AND SAFETY

**ENGINEER OF DELIVERY**

**ENGINEER OF DEVELOPMENT**
(SPECIAL DETAIL)
FHWA APPROVAL DATE

**MICHIGAN DEPARTMENT OF TRANSPORTATION**
**BUREAU OF HIGHWAYS DELIVERY STANDARD PLAN FOR**
**SECONDARY SERVICE FOR STREET LIGHTING AND STREET NAME SIGNS**

**DOUBLE SERVICE STREET LIGHT DETAIL FOR OVERHEAD POWER FEED ON WOOD POLE**

2. Use 1-3/0AWG Secondary Service Cable for 120/240V. Street Lighting Feed Overhead. Label with "Customer Lighting" Tag.
3. 1½" to 2" Schedule 80 PVC or rigid metal conduit (4) see note.
4. Engraved plaque.
   - "Lighting Service Disconnect".
   - "Street Lighting Service Disconnect" or as approved by Engineer.
   - Label Breaker Space within disconnect
5. 60A Service Disconnect
   - NEMA 4x Stainless Steel
   - Fuse at 60A. Orientation on backside facing away from curb.
6. 60A Street Lighting Service Disconnect
   - NEMA 4x Stainless Steel
   - Fuse at 35A. Orientation shall accommodate other equipment i.e. pedestrian signals or conduit.
7. 1-1/2" to 2" LB (Metal)
8. Controller Cabinet
9. 1-1/2" to 2" LB (Metal)

(*) NOTE:
Metal conduit shall be bonded according to the current N.E.C.
DOUBLE SERVICE
STREET LIGHT DETAIL FOR OVERHEAD
POWER FEED ON STEEL POLE

(*) NOTE:
Metal conduit shall be bonded according to the current N.E.C.
UNDERGROUND DOUBLE SERVICE STREET LIGHTING
WIRING DIAGRAM

(*) NOTE: Detail is diagrammatic only. Actual layout and conduit routing varies by site. All underground conduit shall be Schedule 80 PVC.
Steel pole

3" Chase Nipple

3" metal service cap (weather head)

120/240V 3 wire service cable
1-1/0 #6 AWG

3" Steel Coupling
With Steel Chase Nipple

4" OD

3-1/8" ID

3-3/8"

Steel Coupling

1-1/4"

Chase Nipple A

2" Typ

3-1/8" ID

Chase Nipple B

STRAIN POLE WEATHER HEAD INSTALLATION

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