NOTES:
(*) If rigid metal conduit is used the conduit must be bonded according to the current N.E.C.

(#) For projects maintained by the Wayne Co. Department of Public Services (WCDPS), use rigid metal for conduit(s) from grade level to 10’ (min.) above grade or as directed by the Engineer.

2 3/8” x 2 1/2”
Galvanized Hex head
lug screw w/washers

50A service disconnect
(NEMA 4-X stainless steel)
Fused at 60A, Orientation on backside facing away from curb.

1 1/2” to 2” male
adapter schedule 80 PVC

1 1/2” to 2” schedule 80 PVC
or rigid metal conduit (*) see note

1 1/2” to 2” male
adapter schedule 80 PVC

Control cabinet
Utilize Handhole
(as per plans)

Refer to cabinet
details for distance to grade

1/2” to 2” nipple (metal)

1/2” to 2” nipple (metal)

1/2” to 2” nipple (metal)

1/2” to 2” nipple (metal)

Galv. Steel 2 hole strap
(3 ft spacing)
(1/4” or 1/2” hex head lug screw
U-guard fastner or approved equal)

Galv. 2 hole strap

Expansion joint

Expansion joint

Grade level

1’ maximum to grade

1/2” to 2” LB (metal)

1/2” to 2” LB (metal)

1/2” to 2” LB (metal)

1/2” to 2” LB (metal)

1/2” to 2” LB (metal)

Galvanized 2 hole strap

Secondary Service/Disconnect
For Wood Poles—Underground Power Feed
Non-Metered Service

Michigan Department of Transportation
Bureau of Highways Delivery Standard Plan
(Special Detail)
FHWA Approval Date

File: F:\Doc\11\Signals\Web\Sp Plan\Pin\SIG-200-A.dgn
Rev. 02/10/17

Plan Date

SIG-200-A

Sheet 2 of 4
(*) NOTE: This detail is illustrated as a metered installation. If the plans call for an un-metered installation, then the meter shall be omitted and a direct electrical supply shall run to the service disconnect (fused at 60 amps).

(*) NOTE: Porcelain strain insulator (if required) shall meet the codes and placement requirements of the local utility co.

3-1/C#6 AWG service cable
- or -
1-3/C#6 AWG service cable
Galvanized steel
2 hole strap
(3 ft spacing)

1 1/2" to 2" schedule 80 PVC
or rigid metal conduit
Expansion joints

1 1/2" to 2" female adapter schedule 80 PVC

1 1/2" to 2" nipple (metal)

1 1/2" to 2" LB (metal)

1 1/2" to 2" close nipple (metal)

1 1/2" to 2" LB (metal)

Galvanized Steel
2 hole strap

Wood pole

Wood pole

Power Co.
secondary service

Wood or plastic molding

(120/240V A.C. Single Phase)

5/8" DA bolt

1 1/2" to 2" male adapter schedule 80 PVC

Half Round molding for grounding
with 2" x 1/2" x 0.125" Galvanized
pointed staples or equal

1 1/2" to 2" male adapter schedule 80 PVC

Control cabinet

1 1/2" to 2" close nipple (metal)

Refer to cabinet details for distance to grade

1 1/2" to 2" nipple (metal)

Galvanized Steel
2 hole strap

Handhole (as per plans)

Bell end

Ground rods

Use non-solder type connection

SECONDARY SERVICE/DISCONNECT FOR WOOD POLES-OVERHEAD POWER FEED METERED SERVICE

NOT TO SCALE
(*) NOTE:
This detail is illustrated as a metered installation. If the plans call for an un-metered installation, then the meter shall be omitted and a direct electrical supply shall run to the service disconnect (fused at 60 amps).

NOTES:
If rigid metal conduit is used the conduit must be banded according to the current N.E.C.
(*) For projects maintained by the Wayne Co. Department of Public Services (WCDPS) use rigid metal conduits from grade level to 10' (min.) above grade or as directed by the Engineer.

SECONDARY SERVICE/DISCONNECT FOR WOOD POLES-UNDERGROUND POWER FEED
METERED SERVICE

NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS DELIVERY STANDARD PLAN

(SPECIAL DETAIL)
FHWA APPROVAL DATE

SIG-200-A

PLAN DATE

FILE: ReDoc/18/Signals/Web/Spi/red/Fin/SIG2004.dgn Rev 02/16/17

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