



INSTALL A JUMBO VALVE BOX ENLOSING MGP-1, MSP-1, AND GROUND ROD AT GRADE FOR FUTURE ACCESS

AT ALL SPLICE LOCATIONS PROVIDE SUFFICIENT SLACK TO ALLOW THE SPLICE TO BE RAISED A MINIMUM OF 24" ABOVE GRADE FOR INSPECTION

100 LBS. POWERSSET EARTH CONTACT MATERIAL (50 LBS. ABOVE PLATE, 50 LBS. BELOW PLATE)

4" DRAINAGE PIPE 18" LONG FILLED WITH CRUSHED STONE WITH GRADE CENTERED OVER GROUND PLATE

30" (IN) MINIMUM OR BELOW FROSTLINE

4" X 96" X .0625" GROUND PLATE SHALL BE INSTALLED A MINIMUM OF 20' (FT) AWAY FROM STATION, COMMUNICATION, AND POWER WIRES

- MSP-1 GROUND WIRES (GREEN) - CONNECT TO GROUNDING SCREWS ON MGP-1 GROUNDING PLATE ASSEMBLY
- PANDUIT CX-35 GROUND LUG
- RAIN BIRD CONNECTORS
- 6-1 BARE COPPER FROM CENTRAL EQUIPMENT
- 6-1 BARE COPPER FROM POLYPHASER
- 6-1 BARE COPPER FROM FREEDOM SYSTEM ANTENNA MAST "U" BOLT
- MAX/CABLE 2-WIRE PATH FROM CENTRAL INTERFACE (COLOR PER SPEC.) SHALL HAVE SUFFICIENT SLACK TO LIFT SPLICE ASSEMBLY 24" ABOVE FINISH GRADE

- 6-1 BARE COPPER TO GROUND PLATE
- MSP-1 SURGE ARRESTOR MOUNTED INTO MGP-1 GROUND PLATE ASSEMBLY
- MGP-1 GROUNDING PLATE ASSEMBLY - CLAMPED TO GROUNDING ROD
- ADDITIONAL MGP-1/MSP-1 ASSEMBLIES AS REQUIRED FOR ADDITIONAL WIRE PATHS, WEATHER STATIONS, ETC.
- 5/8" DIA. x 8'-0" (MIN.) UL LISTED COPPER CLAD GROUND ROD TOP TO BE 6" BELOW GRADE

- NOTES:
1. EACH CENTRAL ASSEMBLY CAN ACCOMMODATE UP TO THREE (3) MGP-1 GROUND PLATES FOR A TOTAL OF SIX (6) WIRE PATHS.
 2. IF REQUIRED, A SECOND GROUND ASSEMBLY SHALL BE INSTALLED WITHIN 10' (FT) OF THE FIRST ASSEMBLY TO ACCOMMODATE WIRE PATHS 7 THRU 12. RODS SHALL BE BONDED TOGETHER USING #6-1 BARE COPPER WIRE.
 3. ADDITIONAL GROUND ELECTRODES MAY BE REQUIRED IF EARTH GROUND RESISTANCE EXCEEDS 5 OHMS.

TYPICAL GROUNDING GRID - CENTRAL EQUIPMENT

NOT TO SCALE

