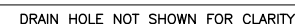


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E-5003



2
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1. THE CALCULATIONS FOR THE SQUARE RECTANGULAR PULL BOX/MANHOLE ARE INTERNAL DIMENSIONS, WALL THICKNESS MUST BE ADDED.
2. WIDTH IS (2) – 90 DEGREE BEND PULL – 6X THE SIZE OF THE LARGEST CONDUIT PLUS 2X THE SIZE OF EACH ADDITIONAL CONDUIT IN THAT ROW, IF THERE ARE 4–100mm CONDUITS THEN THE SIZE IS $600+3 \times 2 \times 100 = 1200\text{mm}$. ALSO THE CONDUITS ARE PLACED CLOSER TO THE OPPOSITE END OF THE PULL, TO ALLOW A LONGER RADIUS BEND OF THE CABLE IN THE PULL BOX/HANDWELL. AGAIN, IF THE MANUFACTURER ALLOWS 50mm SPACING BETWEEN THE CONDUITS THEN THE SIZE WILL BE $1200 - 150 = 1150\text{mm}$.
3. CYLINDRICAL HANDWELLS UP TO 800mm DIAMETER SHALL BE USED FOR ONLY 2–53mm CONDUIT RUNS.
4. PULL BOX/MANHOLE COVER TO BE SECURED WITH BOLTS, GROUNDED IF METALLIC, AND IDENTIFIED AS PER METROLINX NAMING STANDARDS.
5. AS PER DRM AND SPECIFICATIONS, MANHOLE COLLAR IDENTIFICATION SHALL BE FOLLOWED.
6. PROVIDE SLACK PROVISION FOR ALL CABLES ENTERING A MANHOLE.
7. MANHOLES ARE TO BE DESIGNED WITH PROPER DRAINAGE.

- NOTES:
1. THIS DRAWING IS PROVIDED FOR INSTRUCTIONAL DESIGN PURPOSES ONLY BASED ON METROLINX GO TRANSIT DESIGN GUIDELINES AND REQUIREMENTS. THE CONTRACTED PARTY SHALL VERIFY FOR LOCAL CODE COMPLIANCE, EXISTING SITE CONDITIONS AND INTER DISCIPLINARY DRAWING COORDINATION. ALL DIMENSIONS AND SPECIFICATIONS SHOULD BE VERIFIED BY CONTRACTED PARTY AND/OR CONTRACTOR BEFORE CONSTRUCTION BEGINS.
 2. THE CONNECTION OF HANDWELLS/PULL BOXES TO DRAINAGE SYSTEM TO BE COORDINATED IN FIELD. PROVIDE 300mm OF CLEAR STONE BEDDING BELOW HANDWELLS/PULLBOXES.
 3. REFER TO OPSD 2112.040 REGARDING ELECTRICAL HANDHOLE PRECAST CONCRETE.
 4. REFER TO OPSD 2117.020 REGARDING ELECTRICAL HANDHOLES GENERAL INSTALLATION REQUIREMENTS.
 5. REFER TO OPSD 2123.030 REGARDING ENTRY OF DIRECT BURIED AND ENCASED DUCTS.
 6. REFER TO OPSD 401.010 REGARDING MAINTENANCE HOLES.

METROLINX PROJECT NO.

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