

February 8, 2016

RE: GUIDE Attribution Review Instruction

MUCC:

Enclosed you will find the proposed attribution for GUIDE phase 2, which is intended to capture all utility types. The attached spreadsheet lays out the various attributes and prepopulated field options (where applicable) for each of the attributes determined to be collected. Attribute options vary depending on the type of utility. Each utility type is shown along the bottom of the enclosed excel spreadsheet in tabs.

We are requesting that each MUCC member review only the utility types that are applicable to your business. For some, this may include multiple utility types.

Please review each attribute field, and the proposed attribute options (domain options). Please review prior to the February 23<sup>rd</sup> MUCC meeting and come to the meeting with your comments for discussion. If you cannot make the next MUCC meeting, please submit your comments to Nick Lefke at [lefken@michigan.gov](mailto:lefken@michigan.gov) prior to February 23<sup>rd</sup>.

Below is a description of the intent of some of the attribute fields that warrant an explanation prior to your comprehensive review.

1. **UtilMaterial:** This field is self-explanatory, except in the case of communications, which requires explanation. In the case of communication facilities, we needed to account for instances where there are conduits inside conduits...multiple encasements. So the material selection needs to be the primary conduit material. If there are multiple conduits bound together, then the ParallelQTY field would denote the number of conduits. If those conduits are not inside an encasement, then "NO" would be selected under encasement. If those conduits are within a larger diameter pipe, then encasement would be "YES" then the encasement material and encasement size would be denoted.  
  
If the fiber or copper were direct buried, then the surveyor would select either "Fiberoptic" or "Copper" under **UtilMaterial**. Encasement would then be "NO".
2. **Shape:** Select the shape of the facility. This would be to capture the precast multiducts, or non-round materials.
3. **UtilDiameter:** For round facilities it is the diameter of the pipe or conduit. For non-round facilities, it would be the largest diameter circle to circumscribe the non-round facility. Always denote the size of the non-round facility (H x W) in the notes field.
4. **ParallelQTY:** As described above under #1, this would denote the number of similar parallel conduits. Specifically when multiple conduits are bound together, and either directionally drilled, or laid in an open trench, they would not need to be surveyed individually, but the top Center conduit would be surveyed, with the QTY noted here.

5. **Encasement:** Is the facility encased in a larger conduit, pipe, or protection appurtenance. Yes or No
6. **EncasementMaterial:** If it is encased, select the material of the encasement
7. **EncasementDIA:** if it is encased, selected the size of the encasement. For non-round facilities the same thing applies that did under **UtilDiameter**. Always denote the size (H x W) in the notes field.
8. **Notes:** In addition to being a place to denote the size of non-round facilities, this is also a free form field allowing the user to enter any unique notes worthy of recording as it applies to that particular segment of utility.

When considering methods to differentiate materials, sizes, and understand encasement sizes and materials, we considered an excavators perspective, and the need to identify the utilities “first point of conflict” assuming a top down excavation view. Please keep in mind this perspective as you understand the intended use of the fields described above.

Please take the time to review all attribution requirements for facilities of which you have an interest, and be prepared to discuss at the February 23<sup>rd</sup>, 2016 MUCC meeting.

If you have any questions in advance of the meeting, please contact Nick Lefke.

Sincerely,

Eric Barden, PS