

Guidance for a Relocation Drawing of Sufficient Detail

1. Overlay the utility relocations on each INDOT plan and profile sheet and on each cross section utilizing INDOT stationing, offsets and elevations. This applies to poles, aerial and underground lateral crossings and underground facilities that are parallel to the INDOT right of way.
2. Label the type of utility such as high pressure gas, fiber optics etc.
3. Include a legend for utility symbols.
4. Provide a cross section detail of each duct bank and vault.
5. Overlay the utility relocations on temporary right of way drawings or runaround drawings such as those used for the construction of bridges, drainage structures, or for the removal of structures.
6. Show the clearances over pavement for proposed overhead crossing lines on the cross sections.
7. Label the station and offset of each utility pole.
8. Dimension each pole foundation.
9. Label each guy offset for the attached pole and depth of the anchor.
10. Label the stationing of each underground crossing.
11. Label that maximum and /or minimum elevation of each underground facility where it crosses under existing or proposed pavement or ditch. Note that the maximum elevation is to be measure from the top of the pipe and the minimum elevation is to be measured from the bottom of the pipe.
12. Label the maximum or minimum elevation of each underground facility where it crosses a drainage structure or another utility.
13. Label the underground utilities as proposed, existing to remain or existing to be removed.
14. Label above and underground appurtenances such as control boxes, climate control units, vaults and hand holes and give the size of each.
15. Label poles and other above ground appurtenances as proposed, existing to remain or existing to be removed.
16. "X" out facilities to be removed from service.
17. Label the offset from the centerline or the distance from proposed right of way of each underground utility that is roughly parallel to the centerline especially at change points.
18. Note whether a utility is a transmission or distribution facility.
19. Note the method of installation of underground utilities such as bore or direct bury.
20. Note the material of underground utilities.
21. Note which manhole covers will need to be adjusted to grade per the work plan narrative. Note utility contact info for the adjustment of manhole covers.
22. Note which out of service pipes are to be filled with cellular grout.
23. Note that utilities being installed in contaminated soil will be bored and will use suitable pipe material when no provisions have made to remove the contaminated soil.
24. Provide any bore pit location and size.
25. Note where non metallic lines have metal tracing wires.
26. Identify pipes made with asbestos or made with an asbestos casing.
27. Identify the location of the utility facility's easements.