

Elements of a Full Set of Record Drawings, as required by FRWRD Plan Note #18:

- 1) Final plan view, with any changes from design noted.
- 2) Accurate scale.
- 3) Final profile view, with any changes from design noted. Plan and profile views must be in agreement with each other. Also, any time the sewer is not at a uniform slope between manholes, it shall be highlighted (i.e. sags or humps).
- 4) Actual rim and invert elevations.
- 5) Actual length of sewer installed.
- 6) Actual type or size of pipe used shall be noted.
- 7) Recalculated slope - Slopes are based on the actual pipe penetration elevations from one manhole to the next. Center of manhole inverts, or average elevations are not to be used. Where there is a drop connection, the higher pipe penetration shall be used. If the calculated slopes are not in conformance with the IEPA recommendations, it shall be highlighted.
- 8) Utility crossings shall be noted and corrected when necessary, based upon field observations. If the crossings are not in conformance with the IEPA recommendations, it shall be highlighted.
- 9) A full set of plans are to be submitted under a single cover as record drawings unless that set will exceed twenty pages. If there are more than twenty pages, please call the FRWRD offices to determine what pages could be deleted from the full submission.
- 10) Record drawings are to be signed by a PE. Please note: in the very rare event that the design drawings require no alterations whatsoever, i.e. all sewers were installed exactly as designed or there were no notable field observations made, then the PE shall sign and seal a declaration stating this on the cover sheet of a clean design drawing set and submit them as the record drawing.
- 11) Record drawings are due within **60 days** of completion of the sewers. If there is reason for delaying the record drawings beyond this due date, notify FRWRD what is the delay and when the drawings will be produced.