



## City of White Bear Lake

# *Record Drawing Requirements*

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- 1) Paper drawings 22" x 34" plan and profile
- 2) Computerized drawings that can be read by AutoCAD Civil 3D
- 3) Dimensioned hard surface and building setbacks
- 4) Bench marks shown on plans (bench marks should be top nut of hydrants)
- 5) Project specific geometric information key (prefer Ramsey County Coordinates NAD 83, 1986 adjustment, w/1929 datum)
- 6) Swing ties to gate valves and curb stops both shown on plans and on 3" x 5" cards (ties should be to manholes, catch basins, hydrants or other permanent objects)
- 7) Swing ties to cleanouts and other items both shown on plans and on 3" x 5" cards (ties should be to manholes, catch basins, hydrants, property corners or other permanent objects)
- 8) Top of casting and invert elevations for all structures
- 9) All pipe sizes, material type, pipe classification, grades and lengths
- 10) All horizontal and vertical curve data in the appropriate location on the plans
- 11) Televised report of the sanitary sewer on dvd or video file (mp4, wmv, etc.)
- 12) Swing ties to any manhole or catch basin outside the roadway area
- 13) Areas designed to convey stormwater such as swales, ditches, and paved channels
- 14) Stormwater basin (above and underground) survey elevations and contours, including top of berm and overflows
- 15) All emergency overflow (EOF) locations and elevations
- 16) Revised stormwater model for all design storm events using as-built information (as-built basin contours, outlet structure elevations, etc.)
- 17) Revised water quality volume calculation(s) for infiltration basins/ponds
- 18) Buffer monument locations