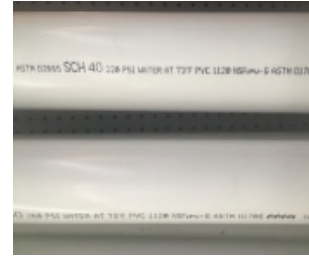


SEWER LINE IDENTIFICATION GUIDE



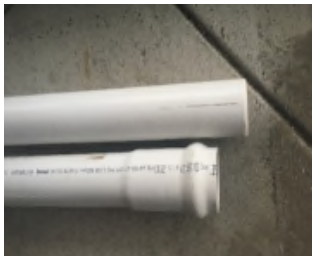
SDR 35

Usually light green in color
Usually uses white PVC fitting
Joints can be up to 20 feet apart
Fittings / joints can be glued or have gaskets
Approximately 1/8-3/16 inch thick walls for 4 -6 inch pipes
Life expectancy 50-500 years
Late 1970's to present



PVC (Polyvinyl Chloride)

Usually white or ivory in color
Glued joints can be up to 20 feet apart / typically 10 feet
Approximately 1/4 inch thick walls
Life expectancy 50-500 years
Mid 1970's to present, first use in US 1952



SDR 21/26

Usually white in color
Joints can be up to 20 feet apart
Fittings / joints have gaskets
Stronger, thicker, more rigid than SDR 35
Approximately 1/4 inch thick walls for 4-6 inch pipes
Life expectancy 50-500 years
Late 1990's to present



ABS (Acrylonitrile Butadiene Styrene)

Black in color
Joints can be up to 20 feet apart / typically 10 feet
Usually interior but can be buried / used underground / exterior of the house
Approximately 1/4 inch thick walls
Life expectancy 50-500 years
Early 1970's to present

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CLAY (Vitrified Clay Pipe)

Orange, tan, or reddish tint in color
Joints every 2 to 6 feet
4 inch pipe 11/16 inch thick walls
6 inch pipe 7/8 inch thick walls
Life expectancy 100 plus years
Mid 1800's to 1980's with mortared joints, to present with gasket joints and fittings



CONCRETE

Gray in color
Joints every 4 to 10 feet
Usually can see sand / gravel at inside of pipe near water line
Approximately 1/2-3/4 inch thick walls
Life expectancy 50-75 years
Mid 1950's to mid 1960's for sanitary sewers, to present for storm sewers



CAST IRON

Usually black or rust colored
Usually interior use but can be buried / used underground exterior of the house
Approximately 1/4 inch thick walls
Life expectancy 75-100 years
Late 1800's to present



ASBESTOS CEMENT / TRANSITE

Light gray, off-white, or light tan in color
A concrete / cement pipe where asbestos was mixed in with the Portland cement (smooth like clay)
Joints every 4 to 10 feet
Approximately 1/2-3/4 inch thick walls
Life expectancy 40-60 years
Late 1940's to early 1970's



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FIBROUS CONDUIT PIPE / ORANGEBURG

Black, dark in color

Joints are compression fit, no glue or clamps

Typically 5 to 10 foot sections

Approximately 3/8 inch thick walls

Life expectancy 30-50 years

Mid 1940's to mid 1960's, 1970's in some areas



HDPE (High Density Polyethylene)

In residential, usually used with pipe-bursting

Usually black or gray in color

Usually indicates a line repair / replacement

Approximately 1/4 to 3/8 inch thick walls

No joints or has joints every 20 feet (uses fused / welded joints, glued fittings)

Life expectancy 50-500 years



CIPP (Cured in Place Pipe)

Usually white or off-white in color

Usually indicates a line repair

May see serial numbers / letters on liner in scope

Epoxy impregnated fiber glass

Can be used for spot repair or a full relined

Life expectancy 50 plus years



THIN WALLED PVC

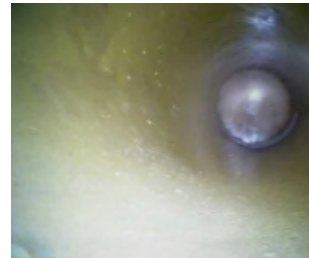
White or yellowish in color

Joints can be up to 10 feet apart

Should be interior use only (have seen buried)

Approximately 1/16-1/8 inch thick walls for 4-6 inch pipes

Life expectancy 50 years Mid 1970's to 1990's for Genova, to present for white thin wall, not common



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GALVANIZED

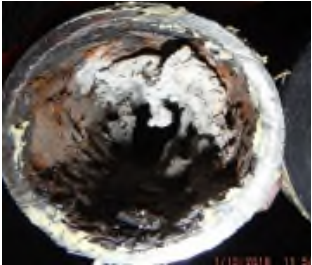
Gray in color

Usually branch lines only (1 1/2 and 2 inch lines)

Interior use only

Life expectancy 40-70 years

Late 1800's to late 1950's



COPPER

Interior use only

Life expectancy 50 plus years

Mid 1950's to late 1960's



LEAD

Gray

Usually used at toilet sweeps and bathtub traps

Usually interior use only

Life expectancy 100 plus years

Early 1800's to late 1950's



STAINLESS STEEL

Interior use only

Used copper fittings

Life expectancy 50 plus years

60's to early 1970's, not common

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