

| Layer Name | Color | Linetype | Description | Comments | text size |
|---------------------------------|---------|------------|---------------------------------|------------------------------------|-----------|
| | | | | | |
| 00-00-dtl-hat | 21 | Continuous | detail hatching | | |
| 00-00-dtl-hvy | magenta | Continuous | detail heavy line work | | |
| 00-00-DTL-LBL7 | white | Continuous | detail text white | | |
| 00-00-dtl-lit | white | Continuous | detail lighter line work | | |
| 00-00-north-arrow | white | Continuous | 00-00-north-arrow | | |
| 00-00-TBL-LBL6 | magenta | Continuous | detail text magenta | | |
| 00-00-TBL-NORTH | white | Continuous | 00-00-TBL-NORTH | | |
| 0 | white | Continuous | 0 | | |
| 0-aerial | 141 | Continuous | aerial photo | | |
| 0-areas-exst | 141 | Continuous | areas of existing elements | | |
| 0-areas-prop- | 61 | Continuous | areas of proposed elements | | |
| 0-hatch-bndry | 193 | Continuous | polylines for hatch-bndry | | |
| 0-temp | 141 | Continuous | temporay layer for design ideas | | |
| 0-VIC | white | Continuous | for jpeg or pdf | | |
| 1 | red | Continuous | 1 | | |
| ANNTEXT | yellow | Continuous | ANNTEXT | | |
| ASBUILT-LIN | cyan | Continuous | Asbuilt lines | | |
| ASBUILT-PNT | cyan | Continuous | Asbuilt points | | |
| ASBUILT-PROF-LIN | cyan | Continuous | Asbuilt profile lines | | |
| ASBUILT-TXT | cyan | Continuous | Asbuilt text | | |
| BORDER | green | Continuous | BORDER | | |
| BORDER-INSIDE | white | Continuous | BORDER-INSIDE | | |
| BORDER-TXT | white | Continuous | BORDER-TXT | | |
| | | | | | |
| use *- for Clayers | | | | this is setup in the template file | |
| C = layer generated by civil 3D | | | | | |
| | | | | | |
| C-ANNO | white | Continuous | C-ANNO | | |
| C-ANNO-MTCH | white | DASHED | C-ANNO-MTCH | | |
| C-ANNO-MTCH-HATCH | white | Continuous | C-ANNO-MTCH-HATCH | | |
| C-ANNO-MTCH-TEXT | 150 | Continuous | C-ANNO-MTCH-TEXT | | |

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|------------------|---------|------------|-----------------------------|--|--|
| C-ANNO-TABL | red | Continuous | Civil: Table | | |
| C-ANNO-TABL-PATT | white | Continuous | Civil: Table Hatch | | |
| C-ANNO-TABL-TEXT | 150 | Continuous | Civil: Table Text | | |
| C-ANNO-TABL-TITL | 150 | Continuous | Civil: Table Title | | |
| C-ANNO-TABL-TTBL | blue | Continuous | Civil: Table Borders | | |
| C-ANNO-VFRM | 150 | Continuous | C-ANNO-VFRM | | |
| C-ANNO-VFRM-TEXT | 11 | Continuous | C-ANNO-VFRM-TEXT | | |
| C-CONT-EX-MAJ | 254 | DAM15 | C-CONT-EX-MAJ | | |
| C-CONT-EX-MIN | 253 | DAM30 | C-CONT-EX-MIN | | |
| C-CONT-PR-MAJ | 92 | Continuous | C-CONT-PR-MAJ | | |
| C-CONT-PR-MIN | 11 | Continuous | C-CONT-PR-MIN | | |
| C-ESMT-ROAD | 23 | Continuous | Easements: roadway | | |
| C-PIPE | white | Continuous | C-PIPE | | |
| C-PIPE-STRC | white | Continuous | C-PIPE-STRC | | |
| C-PIPE-TEXT | white | Continuous | C-PIPE-TEXT | | |
| C-PROP-BNDY | 150 | Continuous | Property: boundary | | |
| C-PROP-BRNG | 92 | Continuous | Property: bearing | | |
| C-PROP-LINE | 230 | Continuous | Property: parcel lines | | |
| C-PROP-LOTS | magenta | Continuous | Property: lots | | |
| C-PROP-PATT | 150 | Continuous | Property: parcel hatching | | |
| C-PROP-RSRV | 94 | Continuous | Property: reserved | | |
| C-PROP-TEXT | 92 | Continuous | Property: label | | |
| C-ROAD-ASSM | 40 | Continuous | subassemblies | | |
| C-ROAD-ASSM-BLIN | red | Continuous | Roadways: assembly baseline | | |
| C-ROAD-ASSM-OFFS | red | Continuous | Roadways: assembly offset | | |
| C-ROAD-ASSM-TEXT | white | Continuous | Roadways: assembly text | | |
| C-ROAD-BRNG | red | Continuous | Roadways: bearings | | |
| C-ROAD-CNTR | red | CENTER2 | Roadways: centerline | | |
| C-ROAD-CNTR-N | 92 | Continuous | Roadways: centerline, NEW | | |
| C-ROAD-CORR | blue | Continuous | Roadways: corridor | | |
| C-ROAD-CORR-BNDY | red | CENTER2 | Roadways: corridor boundary | | |
| C-ROAD-CORR-PATT | 150 | Continuous | Roadways: corridor patterns | | |
| C-ROAD-CURV | blue | Continuous | Roadways: curves | | |
| C-ROAD-EOP-LIN | white | Continuous | C-ROAD-EOP-LIN | | |

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| C-ROAD-FEAT | 182 | Continuous | Roadways: feature line | | |
| C-ROAD-LABL | 92 | Continuous | Roadways: labels | | |
| C-ROAD-LINE | red | Continuous | Roadways: tangent lines | | |
| C-ROAD-LINE-EXTN | 252 | HIDDEN | Roadways: PVI extention lines | | |
| C-ROAD-LINK | 150 | Continuous | links | | |
| C-ROAD-LINK-TEXT | white | Continuous | link text | | |
| C-ROAD-MARK | 212 | Continuous | marks | | |
| C-ROAD-MASS-LINE | white | Continuous | C-ROAD-MASS-LINE | | |
| C-ROAD-MASS-VIEW | white | Continuous | C-ROAD-MASS-VIEW | | |
| C-ROAD-PROF | red | DASHED | Roadways: profiles | | |
| C-ROAD-PROF-ASMC | 92 | Continuous | curves | | |
| C-ROAD-PROF-CURV | blue | Continuous | Roadways: profile vertical curves | | |
| C-ROAD-PROF-DIAG | 150 | Continuous | Roadways: profile band diagrams | | |
| C-ROAD-PROF-GRID | 150 | Continuous | Roadways: profile grid | | |
| C-ROAD-PROF-GRID-GEOM | blue | Continuous | geometry points | | |
| C-ROAD-PROF-GRID-MAJR | 8 | Continuous | major stations | | |
| C-ROAD-PROF-GRID-MINR | 8 | Continuous | minor stations | | |
| C-ROAD-PROF-LINE | red | Continuous | Roadways: profile vertical lines | | |
| C-ROAD-PROF-LINE-EXTN | 252 | HIDDEN | Roadways: centerline extention | | |
| C-ROAD-PROF-LTOF | 11 | Continuous | sample lines | | |
| C-ROAD-PROF-N | 150 | Continuous | Roadways: profile new | | |
| C-ROAD-PROF-NEW | 150 | Continuous | Roadways: profile new | | |
| C-ROAD-PROF-PARB | white | Continuous | curves | | |
| C-ROAD-PROF-PNTS | 252 | HIDDEN | points | | |
| C-ROAD-PROF-RTOF | red | Continuous | sample lines | | |
| C-ROAD-PROF-STAN-GEOM | 11 | Continuous | point labels | | |
| C-ROAD-PROF-STAN-MAJR | 11 | Continuous | labels | | |
| C-ROAD-PROF-STAN-MINR | 11 | Continuous | labels | | |
| C-ROAD-PROF-TEXT | 11 | Continuous | Roadways: profile text | | |
| C-ROAD-PROF-TICK | white | Continuous | Roadways: profile tick marks | | |
| C-ROAD-PROF-TITL | 11 | Continuous | Roadways: profile label | | |
| C-ROAD-PROF-TTLB | blue | Continuous | Roadways: profile label | | |
| C-ROAD-SAMP | 150 | HIDDEN | Roadways: sample lines | | |
| C-ROAD-SAMP-TEXT | 11 | Continuous | Roadways: sample lines text | | |

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| C-ROAD-SCTN | white | Continuous | Roadways: grade in sections | | |
| C-ROAD-SCTN-DIAG | 212 | Continuous | Roadways: section diagram | | |
| C-ROAD-SCTN-GRID | white | Continuous | Roadways: section grid | | |
| C-ROAD-SCTN-LABL | 92 | Continuous | Roadways: section labels | | |
| C-ROAD-SCTN-N | 150 | Continuous | Roadways: section, NEW | | |
| C-ROAD-SCTN-SHET | white | Continuous | sheets | | |
| C-ROAD-SCTN-TABL | red | Continuous | C-ROAD-SCTN-TABL | | |
| C-ROAD-SCTN-TEXT | 92 | Continuous | Roadways: section text | | |
| C-ROAD-SCTN-TICK | white | Continuous | Roadways: section tick marks | | |
| C-ROAD-SCTN-TITL | 92 | Continuous | Roadways: section title | | |
| C-ROAD-SCTN-TTLB | blue | Continuous | Roadways: section border | | |
| C-ROAD-SHAP | 32 | Continuous | shapes | | |
| C-ROAD-SHAP-PATT | white | Continuous | shapes hatching | | |
| C-ROAD-SPIR | 92 | Continuous | Roadways: spirals | | |
| C-ROAD-STAN | 11 | Continuous | Roadways: stationing | | |
| C-ROAD-STAN-MAJR | 11 | Continuous | labels | | |
| C-ROAD-STAN-MINR | 11 | Continuous | labels | | |
| C-ROAD-TABL | red | Continuous | C-ROAD-TABL | | |
| C-ROAD-TEXT | 11 | Continuous | Roadways: text | | |
| C-SSWR-CNTR | 200 | Continuous | Sanitary Sewer: centerline | | |
| C-SSWR-PIPE | 200 | Continuous | Sanitary Sewer: piping | | |
| C-SSWR-PIPE-PATT | white | Continuous | Sanitary Sewer: piping, hatching | | |
| C-SSWR-PROF | 200 | Continuous | Sanitary Sewer: profile | | |
| C-SSWR-STRC | 200 | Continuous | Sanitary Sewer: structures | | |
| C-SSWR-STRC-PATT | 200 | Continuous | hatching | | |
| C-SSWR-TEXT | white | Continuous | Sanitary Sewer: text | | |
| C-STRM-CNTR | 170 | CENTER2 | Storm Sewer: centerline | | |
| C-STRM-PIPE | 170 | Continuous | Storm Sewer: piping | | |
| C-STRM-PIPE-PATT | white | Continuous | Storm Sewer: piping, hatching | | |
| C-STRM-PROF | 170 | Continuous | Storm Sewer: profile | | |
| C-STRM-STRC | 170 | Continuous | Storm Sewer: structures | | |
| C-STRM-STRC-PATT | white | Continuous | Storm Sewer: structures, hatching | | |
| C-STRM-TABL | red | Continuous | C-STRM-TABL | | |

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|--------------------|---------|------------|------------------------------------|--|--|
| C-STRM-TEXT | white | Continuous | Storm Sewer: text | | |
| C-SURFACE | 161 | Continuous | C-SURFACE | | |
| C-SURFACE-TEXT | white | Continuous | C-SURFACE-TEXT | | |
| C-TINN | 182 | Continuous | Triangulated irregular network | | |
| C-TINN-BNDY | 110 | Continuous | boundary | | |
| C-TINN-VIEW | 252 | Continuous | triangle view | | |
| C-TOPO-CONT-TEXT | white | Continuous | Topography: contour labels | | |
| C-TOPO-CONT-TEXT-N | red | Continuous | NEW | | |
| C-TOPO-FEAT | 92 | Continuous | C-TOPO-FEAT | | |
| C-TOPO-GRAD | 94 | Continuous | Topography: grading | | |
| C-TOPO-GRAD-CUT | red | Continuous | Topography: grading cut material | | |
| C-TOPO-GRAD-FILL | 94 | Continuous | Topography: grading fill material | | |
| C-TOPO-MAJR | 9 | Continuous | Topography: major gridlines | | |
| C-TOPO-MAJR-N | 92 | Continuous | Topography: major contours, NEW | | |
| C-TOPO-MINR | 8 | Continuous | Topography: minor gridlines | | |
| C-TOPO-MINR-N | 11 | Continuous | Topography: minor contours, NEW | | |
| C-TOPO-TEXT | white | Continuous | Topography: text | | |
| C-TOPO-USER | 40 | Continuous | Topography: user contours | | |
| C-TOPO-WDRP | 150 | Continuous | C-TOPO-WDRP | | |
| C-TOPO-WSHD | 150 | Continuous | Topography: watershed | | |
| C-TOPO-WSHD-TEXT | white | Continuous | Topography: watershed text | | |
| DCA_INFO | white | Continuous | DCA_INFO | | |
| Defpoints | white | Continuous | DEFPOINTS | | |
| | | | | | |
| DM= Demolition | | | | | |
| | | | | | |
| DM-PROP-HAT-ASPH | yellow | Continuous | demolition text | | |
| DM-PROP-HAT-CONC | yellow | Continuous | demolition text | | |
| DM-PROP-HAT-GRVL | yellow | Continuous | demolition text | | |
| DM-PROP-LIN | magenta | Continuous | removal | | |
| DM-PROP-SYM | magenta | Continuous | wattles, check dams | | |

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|---------------------|---------|------------|--------------------------------|--|-----|
| DM-PROP-TXT | magenta | Continuous | demolition text | | |
| DM-SAWCUT-PROP-LIN | magenta | Continuous | removal | | |
| | | | | | |
| EC= Erosion control | | | | | |
| | | | | | |
| EC-PROP-HAT | yellow | Continuous | bmp callout bubble | | |
| EC-PROP-LIN | yellow | Continuous | bmp callout bubble | | |
| EC-PROP-SYM | magenta | Continuous | bmp callout bubble | | |
| EC-PROP-TXT | yellow | Continuous | bmp callout bubble | | |
| | | | | | |
| | | | | | |
| | | | | | |
| ENGSTAMP | white | Continuous | Engineer stamp | | |
| | | | | | |
| FO=Fiberoptic | | | | | |
| | | | | | |
| FO-BLIN-EXST-LIN | red | FIBEROPTIC | Fiber optic blin existing line | | |
| FO-BLIN-EXST-TXT | red | Continuous | Fiber optic blin existing text | | L60 |
| | | | | | |
| | | | | | |
| | | | | | |
| GN-BLCK-EXST-TXT | red | Continuous | GN-BLCK-EXST-TXT | | L60 |
| GN-BLCK-PROP-TXT | white | Continuous | GN-BLCK-PROP-TXT | | |
| | | | | | |
| GS=Gas | | | | | |
| | | | | | |
| GS-METR-EXST-SYM | 50 | Continuous | Gas meter existing symbol | | |
| GS-METR-PROP-SYM | 11 | Continuous | Gas meter proposed symbol | | |
| GS-PLIN-EXST-LIN | 50 | GASLINE | Gas: pipeline existing line | | |
| GS-PLIN-EXST-TXT | 50 | Continuous | Gas: pipeline existing symbol | | L80 |
| GS-SERV-EXST-LIN | 50 | GASSERVICE | Gas: service existing line | | |
| GS-TOPO-EXST-PNT | 50 | Continuous | Gas: topo existing point | | |
| GS-TOPO-EXST-SYM | 50 | Continuous | Gas: topo existing symbol | | |
| GS-VALV-EXST-SYM | red | Continuous | Gas: valve existing symbol | | |

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| GS-VALV-PROP-SYM | 11 | Continuous | Gas: valve proposed symbol | | |
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| | | | | | |
| LEGEND | white | Continuous | Legend | | |
| LEGEND-TXT | white | Continuous | Legend: text | | |
| LOGO | white | Continuous | LOGO | | |
| MATCHLINE | green | Continuous | MATCHLINE | | |
| MATCHLINE-TXT | green | Continuous | MATCHLINE-TXT | | |
| PNTS | yellow | Continuous | Points | | |
| | | | | | |
| PO= Power | | | | | |
| | | | | | |
| PO-ALIN-EXST-LIN | 22 | OVERHEADPOWER | symbol | | |
| PO-BLIN-EXST-LIN | 22 | POWERLINE | symbol | | |
| | | | | | |
| PO-BLIN-PROP-LIN | magenta | Continuous | Power: buried line proposed line | | |
| PO-LITE-PROP-SYM | magenta | Continuous | Power: light proposed symbol | | |
| | | | | | |
| PO-STCR-EXST-SYM | 22 | Continuous | Power: structure existing symbol | | |
| | | | | | |
| PO-STCR-PROP-SYM | magenta | Continuous | Power: structure proposed symbol | | |
| PO-TOPO-EXST-PNT | 8 | Continuous | Power: topo existing point | | |
| PO-TOPO-EXST-SYM | 22 | Continuous | Power: topo existing symbol | | |
| | | | | | |
| RD= Road | | | | | |
| | | | | | |
| RD-BCRB-PROP-LIN | 120 | Continuous | line | | |
| RD-CL-EXST-PNT | 8 | Continuous | point | | |
| RD-CONC-EXST-HAT | 9 | Continuous | hatch | | |
| RD-CONC-EXST-LIN | 11 | Continuous | Roadways: concrete existing line | | |
| RD-CONC-EXST-PNT | 8 | Continuous | point | | |
| | | | | | |
| RD-CONC-EXST-TXT | 11 | Continuous | Roadways: concrete existing text | | L60,L80 |
| RD-CURB-EXST-LIN | 21 | Continuous | Roadways: curb existing line | | |

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|------------------|---------|------------|----------------------------------|--|---------|
| RD-CURB-EXST-PNT | 140 | Continuous | Roadways: curb existing point | | |
| RD-CURB-EXST-TXT | white | Continuous | Roadways: curb existing text | | L60/L80 |
| RD-CURB-PROP-LIN | 120 | Continuous | Roadways: curb proposed line | | |
| RD-CURB-PROP-TXT | 120 | Continuous | Roadways: curb proposed text | | L100 |
| RD-GND-EXST-PNT | 86 | Continuous | Roadways: ground existing point | | |
| RD-GRVL-EXST-HAT | 9 | Continuous | Roadways: gravel existing hatch | | |
| RD-GRVL-EXST-LIN | 211 | DASHX1 | Roadways: gravel existing line | | |
| RD-GRVL-EXST-PNT | 8 | Continuous | Roadways: gravel existing point | | |
| RD-GRVL-EXST-TXT | 44 | Continuous | Roadways: gravel existing text | | L60,L80 |
| RD-GRVL-PROP-LIN | magenta | DAM30 | Roadways: gravel proposed line | | |
| RD-GUTT-EXST-LIN | 31 | Continuous | Roadways: gutter existing line | | |
| RD-GUTT-EXST-PNT | 50 | Continuous | Roadways: gutter existing point | | |
| RD-GUTT-PROP-LIN | 200 | Continuous | Roadways: gutter proposed line | | |
| RD-PVMT-EXST-HAT | 9 | Continuous | hatch | | |
| RD-PVMT-EXST-LIN | 11 | Continuous | line | | |
| RD-PVMT-EXST-PNT | 192 | Continuous | point | | |
| RD-PVMT-LIM-LIN | magenta | DASHDX2 | Roadways: pavement limits line | | |
| RD-PVMT-PROP-HAT | yellow | Continuous | hatch | | |
| RD-PVMT-PROP-LIN | cyan | Continuous | line | | |
| RD-SHLD-EXST-LIN | 9 | Continuous | Roadways: shoulder existing line | | |
| RD-SWK-DOMES | yellow | Continuous | domes | | |
| RD-SWK-PROP-WCR | white | Continuous | wheelchair ramp | | |
| RD-TOPO-EXST-PNT | 30 | Continuous | Roadways: topo existing point | | |
| RD-WALK-EXST-HAT | 9 | Continuous | hatch | | |
| RD-WALK-EXST-LIN | 12 | Continuous | Roadways: sidewalk existing line | | |
| RD-WALK-EXST-PNT | 91 | Continuous | point | | |
| RD-WALK-EXST-TXT | 12 | Continuous | Roadways: sidewalk existing text | | L60,L80 |
| RD-WALK-PROP-HAT | magenta | Continuous | line | | |
| RD-WALK-PROP-LIN | magenta | Continuous | line | | |
| RD-WALK-PROP-TXT | magenta | Continuous | text | | L100 |
| | | | | | |
| SD= Storm Drain | | | | | |
| | | | | | |

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|---------------------------|---------|------------|-----------------|--|---------|
| SD-DET-EXST-LIN | 12 | DASH-DASH | existing line | | |
| SD-DET-PROP-LIN | white | Continuous | proposed line | | |
| SD-DET-PROP-TXT | white | Continuous | proposed text | | L60,L80 |
| SD-DTCH-EXST-LIN | 161 | DITCH2 | line | | |
| SD-DTCH-PROP-LIN | green | DITCH2 | line | | |
| SD-FLOW-EXST-LIN | 31 | DIVIDE2 | line | | |
| SD-GLIN-EXST-LIN | 32 | STORMLINE | existing line | | |
| SD-GLIN-EXST-SYM | 32 | Continuous | existing symbol | | |
| SD-GLIN-EXST-TXT | 32 | Continuous | existing text | | L60,L80 |
| SD-GLIN-PROP-LIN | 60 | Continuous | profile line | | |
| SD-GLIN-PROP-LIN | magenta | STORMLINE | proposed line | | |
| SD-GLIN-PROP-SYM | magenta | Continuous | proposed symbol | | |
| SD-GLIN-PROP-TXT | 120 | Continuous | proposed text | | |
| SD-POND-EXST-LIN | 171 | DASH | line | | |
| SD-POND-PROP-LIN | 100 | Continuous | line | | |
| SD-POND-PROP-TXT | 20 | Continuous | text | | |
| SD-PROF-EXST-LIN | 62 | DASHED2 | line | | |
| SD-PROF-EXST-TXT | 62 | Continuous | text | | |
| SD-PROF-PROP-LIN | magenta | Continuous | line | | |
| SD-PROF-PROP-TXT | magenta | Continuous | text | | |
| SD-SERV-EXST-LIN | 32 | SERV | line | | |
| SD-SERV-PROP-LIN | magenta | DASHED2 | line | | |
| SD-SERV-PROP-TXT | magenta | Continuous | text | | |
| SD-STCR-PROP-SYM | magenta | Continuous | proposed symbol | | |
| SD-STCR-PROP-TXT | magenta | Continuous | proposed text | | L100 |
| SD-TOPO-EXST-PNT | 160 | Continuous | point | | |
| SD-TOPO-EXST-SYM | 32 | Continuous | symbol | | |
| SD-TOPO-EXST-TXT | 32 | Continuous | text | | |
| | | | | | |
| SF= Surface topo features | | | | | |
| | | | | | |
| SF-BLDG-EXST-HAT | 253 | Continuous | hatch | | |
| SF-BLDG-EXST-LIN | 253 | EXBUILD | line | | |

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|-------------------|---------|------------|-------------------------------------|--|---------|
| SF-BLDG-EXST-PNT | 8 | Continuous | point | | |
| SF-BLDG-EXST-TXT | 253 | Continuous | text | | I60,L80 |
| SF-BRICK-EXST-HAT | 12 | Continuous | hatch | | |
| SF-BRICK-EXST-LIN | 11 | Continuous | line | | |
| SF-BRKL-EXST-LIN | 52 | HIDDEN | existing line | | |
| SF-BRLIN-EXST-LIN | 82 | TREELINE_L | existing line | | |
| SF-BUSS-EXST-SYM | 15 | Continuous | symbol | | |
| SF-BUSS-PROP-SYM | magenta | Continuous | proposed symbol | | |
| SF-CONC-EXST-HAT | 13 | Continuous | proposed hatch | | |
| SF-CONC-EXST-LIN | 8 | Continuous | line | | |
| SF-CONC-EXST-TXT | white | Continuous | text | | |
| SF-CONC-PROP-HAT | yellow | Continuous | proposed line | | |
| SF-CONC-PROP-LIN | magenta | Continuous | proposed line | | |
| SF-CONC-PROP-TXT | magenta | Continuous | proposed text | | L100 |
| SF-CREE-EXST-LIN | cyan | DITCH2 | line | | |
| SF-CULV-EXST-LIN | blue | DITTY | line | | |
| SF-CURB-EXST-LIN | 12 | Continuous | line, curbs not associated with | | |
| SF-CURB-PROP-LIN | cyan | Continuous | line, curbs not associated with | | |
| SF-CURB-PROP-TXT | 120 | Continuous | text, curbs not associated with | | |
| SF-DIM-PROP-TXT | white | Continuous | surface feature: dimensions | | |
| SF-DOCK-EXST-LIN | yellow | Continuous | Surface feature: dock existing line | | |
| SF-DRVW-EXST-LIN | 8 | Continuous | existing line | | |
| SF-DRVW-PROP-LIN | magenta | Continuous | proposed line | | |
| SF-FENC-EXST-LIN | yellow | BARBWIRE_2 | line | | |
| SF-FENC-EXST-PNT | 8 | Continuous | point | | |
| SF-FENC-EXST-TXT | yellow | Continuous | text | | L60,L80 |
| SF-FENC-PROP-LIN | cyan | FENCELINE1 | line | | |
| SF-GRVL-EXST-HAT | 9 | Continuous | hatch | | |
| SF-GRVL-EXST-LIN | 21 | DITTY | line | | |
| SF-GRVL-EXST-TXT | 15 | Continuous | text | | |
| SF-GRVL-PROP-LIN | 120 | HIDDEN2 | line | | |
| SF-GUARD-EXST-LIN | white | GUARD_L | line | | |
| SF-HEDGE-EXST-LIN | 114 | TREELINE_L | line | | |

| | | | | | |
|---------------------|---------|------------|-------------------------------------|--|---------|
| SF-LITE-EXST-SYM | white | Continuous | symbol | | |
| SF-LITE-PROP-SYM | 15 | Continuous | symbol | | |
| SF-MAIL-EXST-SYM | white | Continuous | symbol | | |
| SF-MAIL-PROP-SYM | magenta | Continuous | proposed symbol | | |
| SF-PARKING-EXST-LIN | 8 | DAM10 | line | | |
| SF-PLNTR-EXST-HAT | 62 | Continuous | line | | |
| SF-PLNTR-EXST-LIN | 62 | Continuous | line | | |
| SF-PLNTR-EXST-TXT | 62 | Continuous | proposed text | | |
| SF-PLNTR-PROP-HAT | magenta | Continuous | proposed line | | |
| SF-PLNTR-PROP-LIN | magenta | Continuous | proposed line | | |
| SF-PVMT-EXST-LIN | 11 | Continuous | existing line | | |
| SF-PVMT-EXST-TXT | 11 | Continuous | existing text | | L60,L80 |
| SF-PVMT-LMIT-LIN | 8 | Continuous | line | | |
| SF-PVMT-PROP-LIN | cyan | DAM15 | proposed line | | |
| SF-RAMP-EXST-LIN | 12 | DITTY | line | | |
| SF-RAMP-PROP-HAT | yellow | Continuous | hatch | | |
| SF-RAMP-PROP-LIN | magenta | Continuous | line | | |
| SF-RIPR-EXST-SYM | 15 | Continuous | symbol | | |
| SF-RIPR-PROP-SYM | magenta | Continuous | symbol | | |
| SF-ROCK-EXST-LIN | yellow | Continuous | Surface feature: rock existing line | | |
| SF-ROCK-EXST-SYM | 15 | Continuous | symbol | | |
| SF-ROCK-PROP-LIN | 120 | Continuous | line | | |
| SF-ROCK-PROP-SYM | magenta | Continuous | symbol | | |
| SF-RWALL-EXST-LIN | 31 | STONEWALL | line | | |
| SF-SAWCUT-PROP-LIN | green | DOT15 | line | | |
| SF-SHOR-EXST-LIN | blue | Continuous | Surface feature: shore e | | |
| SF-SHOR-EXST-TXT | blue | Continuous | text | | L60,L80 |
| SF-SIGN-EXST-SYM | white | Continuous | symbol | | |
| SF-SIGN-PROP-SYM | magenta | Continuous | symbol | | |
| SF-TOE-EXST-LIN | 52 | HIDDEN2 | Surface feature: toe existing line | | |
| SF-TOP-EXST-LIN | 22 | HIDDEN | Surface feature: top existing line | | |
| SF-TOPO-EXST-BRK | white | Continuous | break | | |
| SF-TOPO-EXST-PNT | 40 | Continuous | point | | |

| | | | | | |
|---------------------|---------|------------|-------------------------------------|----------------------------------|---------|
| SF-TOPO-EXST-SYM | white | Continuous | symbol | | |
| SF-TOPO-EXST-TXT | white | Continuous | text | | L60,L80 |
| SF-TOPO-EXST-LIN | 12 | DASHED | Surface feature: topo existing line | | |
| SF-TOPO-PROP-SYM | magenta | Continuous | symbol | | |
| SF-TOPO-PROP-TXT | magenta | Continuous | text | | |
| SF-TREE-EXST-LIN | 82 | Continuous | Surface feature: tree existing line | | |
| SF-TREE-EXST-TXT | 82 | Continuous | Surface feature: tree existing text | | L60,L80 |
| SF-VEGE-EXST-LIN | 82 | Continuous | existing line | | |
| SF-VEGE-EXST-PNT | 8 | Continuous | existing point | | |
| SF-VEGE-EXST-SYM | 82 | Continuous | existing symbol | | |
| SF-VEGE-PROP-LIN | 80 | Continuous | proposed line | | |
| SF-VEGE-PROP-SYM | 90 | Continuous | proposed symbol | | |
| SF-WALK-EXST-LIN | 13 | Continuous | Surface feature: walk existing line | | |
| SF-WALK-EXST-TXT | yellow | Continuous | text | | |
| SF-WALK-PROP-HAT | white | Continuous | hatch | | L60,L80 |
| SF-WALK-PROP-LIN | magenta | Continuous | line | | |
| SF-WALL-EXST-LIN | 31 | Continuous | Surface feature: wall existing line | | |
| SF-WALL-EXST-TXT | 15 | Continuous | Surface feature: wall existing text | | L60,L80 |
| SF-WALL-PROP-LIN | cyan | Continuous | line | | |
| SF-WALL-PROP-TXT | 120 | Continuous | text | | L60,L80 |
| | | | | | |
| SS = Sanitary Sewer | | | | | |
| | | | | | |
| SS-GLIN-EXST-LIN | 102 | SEWERLINE | existing line | | |
| SS-GLIN-EXST-TXT | 102 | Continuous | existing text | | L60,L80 |
| SS-GLIN-PROP-LIN | 120 | SEWERLINE | proposed line | | |
| SS-GLIN-PROP-TXT | 120 | Continuous | proposed text | this can be control with pipewor | L100 |
| SS-PLIN-EXST-LIN | red | Continuous | existing line | | |
| SS-PROF-EXST-LIN | 60 | DAM15 | line | | |
| SS-PROF-EXST-TXT | 60 | Continuous | text | | L60,L80 |
| SS-PROF-PROP-LIN | magenta | Continuous | line | | |
| SS-PROF-PROP-TXT | magenta | Continuous | text | | L100 |
| SS-SERV-EXST-LIN | 102 | SIDSEWER | line | | |

| | | | | | |
|-------------------|---------|------------|------------------------------------|--|---------|
| SS-SERV-PROP-LIN | 120 | SIDSEWER | line | | |
| SS-STCR-EXST-SYM | magenta | Continuous | symbol | | |
| SS-STCR-PROP-SYM | magenta | Continuous | symbol | | |
| SS-STCR-PROP-TXT | magenta | Continuous | proposed text | | L100 |
| SS-TOPO-EXST-PNT | 102 | Continuous | point | | |
| SS-TOPO-EXST-SYM | 102 | Continuous | symbol | | |
| SS-TOPO-EXST-TXT | 102 | Continuous | Sanitary sewer: topo existing text | | L60,L80 |
| | | | | | |
| SV= Survey | | | | | |
| | | | | | |
| SV-BASL-EXST-TXT | white | Continuous | Survey: baseline existing text | | L60 |
| SV-CALC-EXST-PNT | 8 | Continuous | Survey: calculated existing point | | |
| SV-CNTL-EXST-LIN | yellow | EXCNTL | Survey: control existing line | | |
| SV-CNTL-EXST-TXT | yellow | Continuous | Survey: control existing text | | L60 |
| SV-CNTL-PROP-LIN | 10 | PROCNTL | Survey: control proposed line | | |
| SV-CTRL-EXST-LIN | red | Continuous | Survey: control existing line | | |
| SV-CTRL-EXST-PNT | white | Continuous | Survey: control existing point | | |
| SV-CTRL-EXST-SYM | white | Continuous | Survey: control existing symbol | | |
| SV-CTRL-EXST-TXT | white | Continuous | Survey: control existing text | | L60 |
| SV-CTRL-FND-PNT | yellow | Continuous | Survey: control found point | | |
| SV-CTRL-FND-SYM | yellow | Continuous | Survey: control found symbol | | |
| SV-CTRL-SET-PNT | green | Continuous | Survey: control set point | | |
| SV-DATM-EXST-SYM | white | Continuous | Survey: datum existing symbol | | |
| SV-ESMT-EXST-LIN | 10 | HIDDEN | Survey: easement proposed line | | |
| SV-ESMT-EXST-TXT | 10 | Continuous | Survey: easement existing text | | |
| SV-ESMT-PROP-LIN | 100 | HIDDEN2 | Survey: easement proposed line | | |
| SV-ESMT-PROP-TXT | 10 | Continuous | Survey: easement proposed text | | L100 |
| SV-EX-ADDRESS-LBL | magenta | Continuous | Survey: existing address label | | |
| SV-EX-PNT-NODE | 61 | Continuous | Survey: existing point node | | |
| SV-EX-TXT-LBL7 | white | Continuous | Survey: existing text label 7 | | |
| SV-LBL-BM | white | Continuous | Survey: lable benchmark | | |
| SV-LOT-EXST-LIN | yellow | PHANTOM | Survey: lot existing line | | |
| SV-LOT-EXST-TXT | yellow | Continuous | Survey: lot existing text | | L60 |

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|---------------------|---------|------------|------------------------------------|----------|---------|
| SV-LOTN-EXST-SYM | white | Continuous | symbol | | |
| SV-PLAT-EXST-TXT | 8 | Continuous | Survey: plat existing text | Dot font | L60,L80 |
| SV-PROP-EXST-LIN | yellow | PROPERT | Survey: property existing line | | |
| SV-PROP-EXST-SYM | white | Continuous | Survey: property existing symbol | | |
| SV-PROP-EXST-TXT | yellow | Continuous | Survey: property existing text | | L60,L80 |
| SV-QSCT-EXST-LIN | cyan | QTRSECT | line | | |
| SV-ROFW-EXST-LIN | cyan | EXROW | Survey: right of way existing line | | |
| SV-ROFW-PROP-HAT | 252 | Continuous | hatch | | |
| SV-ROFW-PROP-LIN | green | Continuous | line | | |
| SV-ROFW-PROP-TXT | 100 | Continuous | text | | L100 |
| SV-ROFW-VACA-LIN | yellow | HIDDEN | Survey: right of way vacation line | | |
| SV-SECT-EXST-LIN | green | PHANTOM2 | Survey: section existing line | | |
| SV-SECT-EXST-SYM | 8 | Continuous | Survey: section existing symbol | | |
| SV-SECT-EXST-TXT | white | PHANTOM2 | Survey: section existing text | | L60 |
| SV-SECT-THEO-TXT | white | Continuous | Survey: section theoretical text | | |
| SV-TOPO-EXST-PNT | 50 | Continuous | Survey: topo existing point | | |
| SV-TOPO-EXST-SYM | white | Continuous | Survey: topo existing symbol | | |
| SV-TOPO-EXST-TXT | white | Continuous | Survey: topo existing text | | |
| SV-TRAV-EXST-LIN | red | PHANTOM2 | Survey: traverse existing line | | |
| SV-TRAV-EXST-TXT | red | Continuous | Survey: traverse existing text | | L60 |
| | | | | | |
| TF= Traffic | | | | | |
| | | | | | |
| TF-CHAN-EXST-LIN | 12 | DITTY | Traffic: CHAN existing line | | |
| TF-CHAN-EXST-SYM | 12 | Continuous | Traffic: CHAN existing symbol | | |
| TF-CHAN-EXST-TXT | 12 | Continuous | Traffic: CHAN existing text | | L60,L80 |
| TF-CHAN-EXST-XWALK | 12 | Continuous | Traffic: CHAN existing symbol | | |
| TF-CHAN-PROP-LIN | magenta | Continuous | Traffic: CHAN proposed line | | |
| TF-CHAN-PROP-SYM | 120 | Continuous | Traffic: CHAN proposed symbol | | |
| TF-CHAN-PROP-TXT | magenta | Continuous | Traffic: CHAN proposed text | | L100 |
| TF-CHAN-PROP-XWALK | magenta | Continuous | Traffic: CHAN proposed line | | |
| TF-CONDUIT-EXST | 30 | Continuous | Traffic: conduit existing | | |
| TF-CONDUIT-EXST-LIN | 30 | CONDUIT | Traffic: conduit existing line | | |
| TF-CONDUIT-PROP-LIN | magenta | CONDUIT | Traffic: conduit proposed line | | |

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|------------------------|---------|---------------|-----------------------------------|--|---------|
| TF-EXST-TXT | yellow | Continuous | Traffic: existing text | | L60 |
| TF-JBOXES-EXST | 30 | Continuous | Traffic: junction box existing | | |
| TF-JBOXES-EXST-SYM | 30 | Continuous | symbol | | |
| TF-JBOXES-PROP-SYM | magenta | Continuous | symbol | | |
| TF-PED-EXST-LIN | 12 | DITTY | Traffic: pedestrian existing line | | |
| TF-PED-EXST-SYM | 12 | Continuous | symbol | | |
| TF-PED-PROP-LIN | 120 | DITTY | Traffic: pedestrian proposed line | | |
| TF-PED-PROP-SYM | magenta | Continuous | symbol | | |
| TF-PED-PROP-TXT | white | Continuous | Traffic: proposed text | | L60 |
| TF-SIGL-EXST-SYM | red | Continuous | Traffic: signal existing symbol | | |
| TF-SIGL-PROP-LIN | magenta | Continuous | Traffic: signal proposed line | | |
| TF-SIGL-PROP-SYM | magenta | Continuous | Traffic: signal proposed symbol | | |
| TF-SIGNALPOLES | white | Continuous | Traffic: signal poles | | |
| TF-STRP-EXST-PNT | 8 | Continuous | Traffic: STRP existing point | | |
| TF-TOPO-EXST-PNT | 8 | Continuous | Traffic: topo existing point | | |
| TF-TOPO-EXST-SYM | 8 | Continuous | Traffic: topo existing symbol | | |
| | | | | | |
| TL= Telecommunication | | | | | |
| | | | | | |
| TL-ALIN-EXST-LIN | 30 | TELEPHONELINE | communication: alin existing line | | |
| TL-BLIN-EXST-LIN | 30 | TELEPHONELINE | communication: blin existing line | | |
| TL-EXST-TXT | 30 | Continuous | communication: existing text | | L60 |
| TL-FIBER-EXST-PNT | 8 | Continuous | existing point | | |
| TL-FIBEROPTIC-EXST-LIN | 22 | FIBEROPTIC | existing line | | |
| TL-FIBEROPTIC-EXST-TXT | 20 | Continuous | existing text | | L60,L80 |
| TL-STCR-EXST-SYM | red | Continuous | existing symbol | | |
| TL-STCR-PROP-SYM | 11 | Continuous | proposed symbol | | |
| TL-TOPO-EXST-PNT | 8 | Continuous | point | | |
| TL-TOPO-EXST-SYM | 8 | Continuous | symbol | | |
| | | | | | |
| UT= Utility | | | | | |
| | | | | | |
| UT-EX-SYM | 33 | Continuous | Utility: existing symbol | | |
| UT-EXST-LIN | 33 | DASH-3DOT | Utility: existing line | | |

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|------------------------------|---------|------------|------------------------------------|----------------------------------|-----|
| UT-OH-EXST-LIN | 30 | PHANTOM2 | Utility: overhead existing line | | |
| UT-PROF-EXST-LIN | 92 | DASHED | Utility: profile existing line | | |
| UT-PROF-EXST-TXT | 92 | Continuous | Utility: structure existing text | | L60 |
| UT-STCR-EXST-SYM | 33 | Continuous | Utility: structure existing symbol | | |
| UT-TOPO-EXST-LIN | 30 | Continuous | Utility: topo existing line | | |
| UT-TOPO-EXST-PNT | 10 | Continuous | Utility: topo existing point | | |
| UT-TOPO-EXST-SYM | 30 | Continuous | Utility: topo existing symbol | | |
| UT-TOPO-EXST-TXT | 30 | Continuous | Utility: topo existing text | | L60 |
| | | | | | |
| V= program generation survey | | | | survey element using CAD program | |
| | | | | | |
| V-BLDG-OTLN | 170 | Continuous | Survey Buildings: outline | | |
| V-CTRL-BMRK | 150 | Continuous | benchmark. | | |
| V-CTRL-HCPT | 150 | Continuous | horizontal. | | |
| V-CTRL-LINE-DIRC | magenta | Continuous | lines | | |
| V-CTRL-LINE-NETW | 11 | Continuous | network | | |
| V-CTRL-LINE-SHOT | 45 | Continuous | sideshot | | |
| V-CTRL-NODE-KNOW | 92 | Continuous | points | | |
| V-CTRL-NODE-SHOT | 11 | Continuous | Survey Control points: sideshots | | |
| V-CTRL-NODE-UNKN | red | Continuous | points | | |
| V-CTRL-TRAV | 150 | Continuous | Survey Control points: traverse | | |
| V-CTRL-TRAV-ERRO | 92 | Continuous | errors | | |
| V-CTRL-VCPT | 150 | Continuous | Survey Control points: vertical. | | |
| V-NODE | red | Continuous | Survey Node | | |
| V-NODE-BNDY | red | Continuous | Survey Node: baseline | | |
| V-NODE-NGAS | 11 | Continuous | appurtenances points. | | |
| V-NODE-POLE | red | Continuous | (power, telephone, etc.). | | |
| V-NODE-SIGN | red | Continuous | Survey Node: sign. | | |
| V-NODE-SSWR | 92 | Continuous | appurtenances points. | | |
| V-NODE-STRM | 92 | Continuous | appurtenances points. | | |
| V-NODE-TEXT | 11 | Continuous | Survey Node: text | | L60 |
| V-NODE-TREE | 62 | Continuous | Survey Node: tree points. | | |
| V-NODE-WATR | blue | Continuous | appurtenances points. | | |

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| V-ROAD-CNTR | red | CENTER | Survey Road: centerline | | |
| V-ROAD-CURB | 11 | Continuous | Survey Road: curbs | | |
| V-SITE-FNCE | 150 | FENCELINE2 | Survey Site: fences | | |
| V-SITE-SCAN | red | Continuous | V-SITE-SCAN | | |
| V-SITE-VEGE | 80 | Continuous | shrubs | | |
| V-SURV-FIGR | 170 | Continuous | V-SURV-FIGR | | |
| V-SURV-LABL | 122 | Continuous | Survey: text | | |
| V-SURV-LINE | 150 | Continuous | Survey: lines | | |
| V-SURV-NTWK | 150 | Continuous | V-SURV-NTWK | | |
| VPORT | red | Continuous | VPORT | | |
| | | | | | |
| WA= Water | | | | | |
| | | | | | |
| WA-CITY-PROP-LIN | 140 | DAM15 | Water city proposed line | | |
| WA-FHYD-EXST-SYM | 160 | Continuous | symbol | | |
| WA-FHYD-PROP-SYM | red | WATERLINE | symbol | | |
| WA-FITT-EXST-SYM | blue | Continuous | Water: fitting existing symbol | | |
| WA-FITT-PROP-SYM | magenta | Continuous | Water: fitting proposed symbol | | |
| WA-METR-EXST-SYM | 160 | WATERLINE | Water: meter existing symbol | | |
| WA-METR-PROP-SYM | red | WATERLINE | Water: meter proposed symbol | | |
| | 160 | | | | |
| WA-PLIN-EXST-LIN | 160 | WATERLINE | Water: pressure line existing line | | |
| WA-PLIN-PROP-LIN | magenta | WATERLINE | line | | |
| WA-PLIN-PROP-TXT | 120 | Continuous | text | | L100 |
| WA-PROF-EXST-LIN | 151 | DASHED2 | Water: profile existing line | | |
| WA-PROF-EXST-TXT | 151 | Continuous | Water: profile existing text | | |
| WA-PROF-PROP-LIN | 120 | Continuous | Water: profile proposed line | | |
| WA-PROF-PROP-TXT | 120 | Continuous | Water: profile proposed text | | |
| WA-PROP-SYM-TXT | red | Continuous | Water: proposed symbol text | | |
| WA-SERV-EXST-LIN | 160 | WATERSERVICE | Water: service existing line | | |
| WA-SERV-PROP-LIN | magenta | WATERSERVICE | Water: service proposed line | | |
| WA-TOPO-EXST-PNT | 191 | Continuous | Water: topo existing point | | |
| WA-TOPO-EXST-SYM | 160 | Continuous | Water: topo existing symbol | | |
| WA-TOPO-EXST-TXT | 160 | Continuous | Water: topo existing text | | L60,L80 |

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|-------------------|-------|------------|------------------------------|------------------------------------|--|
| WA-VALV-EXST-SYM | 160 | Continuous | Water: valve existing symbol | | |
| WA-VALV-PROP-SYM | 11 | Continuous | Water: valve proposed symbol | | |
| WA-VALVE-EXST-SYM | 160 | WATERLINE | Water: valve existing symbol | | |
| WA-VALVE-PROP-SYM | red | WATERLINE | Water: valve proposed symbol | | |
| | | | | | |
| | | | | | |
| XREF- | white | Continuous | XREF- | each drwing to have it's own layer | |
| | | | | | |
| | | | | | |
| XS INFO | white | Continuous | XS INFO | | |
| XX-TOPO-EXST-PNT | white | Continuous | Miscellaneous points | use to import points | |
| | | | | | |
| | | | | | |