

LAYERING GUIDE

Northern Region (Rev. 07/12/19)

FOR SYMBOLS, ADD MINOR GROUP "SYMB" TO END LAYER NAME (Exception - do not add "SYMB" to V-NODE layers)

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LABELS CREATED BY CIVIL 3D ARE ON LAYERS WITH A MINOR GROUP OF "LABL". DO NOT EXPLODE THESE LABELS

DESCRIPTION		LAYER NAME	COLOR	LINETYPE
AIRPORTS				
AREA	RWY OBJECT-FREE AREA	C-AFLD-BNDY-ROFA	5	DASHED2
	RWY SAFETY AREA	C-AFLD-BNDY-RSA	5	CONTINUOUS
	TWY OBJECT-FREE AREA	C-AFLD-BNDY-TOFA	3	CONTINUOUS
	ULTIMATE RWY SAFETY AREA	C-AFLD-BNDY-URSA	5	HIDDEN2
CENTERLINE		C-AFLD-CNTR	6	CONTINUOUS
EDGE	PAVEMENT	C-AFLD-ASPH	3	CONTINUOUS
	UNPAVED	C-AFLD-UPVD	4	CONTINUOUS
MARKING		C-AFLD-MRKG	12	CONTINUOUS
	WHITE	C-AFLD-MRKG-WHIT	4	CONTINUOUS
	YELLOW	C-AFLD-MRKG-YELO	52	CONTINUOUS
SIGN		C-AFLD-SIGN	4	CONTINUOUS
ZONE	RWY OBJECT-FREE ZONE	C-AFLD-BNDY-ROFZ	5	DASHED2
	RWY PROTECTION ZONE	C-AFLD-BNDY-RPZ	5	DASHDOT2
ROADWAY				
CENTERLINE	EXISTING CENTERLINE (Splits)	V-ROAD-CNTR	5	DASHED
	OBJECT LAYER	C-ALGN-(Align. Name, e.g., L or O)		CONTINUOUS
	CONST. CL DISPLAY LAYER	C-ROAD-CNTR	6	CONTINUOUS
	MISC. CL DISPLAY LAYER	C-ROAD-MISC	4	CONTINUOUS
	CURVE LABELS	C-ROAD-STAN-LABL	3	CONTINUOUS
	SUPERELEVATION LABELS	C-ROAD-STAN-SUPR	3	CONTINUOUS
	STATION LABELS	C-ROAD-STAN-MAJR	3	CONTINUOUS
	STATION POINTS	C-ROAD-STAN-(MAJR or MINR)	3	CONTINUOUS
DAYLIGHT	CUT (Civil 3D layer)	C-ROAD-CORR-DYLT-CUT	13	CSLP
	CUT (POLYLINE)	C-ROAD-DYLT-CUT-(Align. Name)	13	CSLP
		C-ROAD-CORR-DYLT	40	CONTINUOUS
	FILL (Civil 3D layer)	C-ROAD-CORR-DYLT-FILL	74	FSLP
	FILL (POLYLINE)	C-ROAD-DYLT-FILL-(Align. Name)	74	FSLP
EDGE	EXISTING PAVEMENT	V-ROAD-ASPH	110	XSH
	PAVEMENT	C-ROAD-ASPH	113	CONTINUOUS
	SHOULDER	V-ROAD-SHLR	130	XSH
	EXISTING SIDEWALK	V-SWLK	110	XSH
	SIDEWALK	C-SWLK	3	CONTINUOUS
MARKING	CENTER OF MRKG GROUP	C-ROAD-MRKG	212	CONTINUOUS
	QUANTITIES	C-ROAD-MRKG-NOTE	242	CONTINUOUS
	WHITE	C-ROAD-MRKG-WHIT	132	CONTINUOUS
	YELLOW	C-ROAD-MRKG-YELO	52	CONTINUOUS

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DESCRIPTION		LAYER NAME	COLOR	LINETYPE
IMPROVEMENTS				
DRAINAGE	EXISTING CULVERT (2D)	V-DTCH-PIPE	130	TOPO
	EXISTING CULVERT (3D)	C-DTCH-PIPE-E	130	TOPO
	CULVERT	C-DTCH-PIPE	132	CONTINUOUS
	EXISTING STRUCTURE	V-DTCH-STRC	130	TOPO
	STRUCTURE	C-DTCH-STRC	132	CONTINUOUS
	CENTERLINE	C-DTCH-CNTR	132	CENTER2
DRIVEWAYS	EXISTING CENTERLINE	V-DRIV-CNTR	170	DASHED
	CENTERLINE	C-DRIV-CNTR	172	CONTINUOUS
	PAVED	C-DRIV-ASPH	152	CONTINUOUS
	UNPAVED	C-DRIV-UPVD	72	CONTINUOUS
ORNAMENTAL		C-SITE-VEGE-ORNM	3	CONTINUOUS
GUARDRAIL	EXISTING	V-ROAD-GRAL	110	GUARDRAIL-EL or -ER
		C-ROAD-GRAL	3	GUARDRAIL-PL or -PR
RIPRAP		C-RRAP	3	CONTINUOUS
STRUCTURE	EXISTING CURB	V-ROAD-CURB	110	TOPO
	CURB	C-ROAD-CURB	112	CONTINUOUS
	EXISTING BRIDGE	V-BRDG	130	TOPO
	BRIDGE	C-BRDG	132	CONTINUOUS
	EXISTING BUILDING	V-BLDG	110	TOPO
	BUILDING	C-BLDG	112	CONTINUOUS
	EXISTING FENCE	V-FENC	130	FENCE-E
	FENCE	C-FENC	132	FENCE-P
	EXISTING MAILBOX	V-NODE-STRC-MB	110	TOPO
	EXISTING POST	V-NODE-STRC-POST	110	TOPO
	POST	C-SITE-POLE	3	CONTINUOUS
	EXISTING RAILROAD	V-RAIL	110	TOPO
	EXISTING SIGN	V-NODE-SIGN	110	CONTINUOUS
	SIGN	C-ROAD-SIGN	112	CONTINUOUS
TRAIL	EXISTING	V-TRAL	90	TOPO
		C-TRAL	92	CONTINUOUS
WALL		V-WALL	90	TOPO
		C-WALL	3	CONTINUOUS
	NOISE BARRIER	C-WALL-NSBR	112	CONTINUOUS
	RETAINING WALL	C-WALL-RTWL	3	CONTINUOUS

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DESCRIPTION		LAYER NAME	COLOR	LINETYPE
RIGHT OF WAY				
AIRPORTS	TRACTS	V-RWAY-AFLD	5	CONTINUOUS
		V-RWAY-AFLD-LBL	3	CONTINUOUS
ACCESS CONTROL		V-RWAY-CTLA	12	CA
CENTERLINE		V-RWAY-CNTR	95	CONTINUOUS
EASEMENT	EXISTING	V-RWAY-ESMT-E	52	EASEMENT-E
		V-RWAY-ESMT-N	52	EASEMENT-P
HATCHING		V-RWAY-PATT	11	CONTINUOUS
MONUMENTS	EXISTING HORZ. CONTROL	V-NODE-HCPT	110	CONTINUOUS
	EXISTING VERT. CONTROL	V-NODE-VCPT	110	CONTINUOUS
	EXISTING H&V CONTROL	V-NODE-HVPT	110	CONTINUOUS
	PROPOSED	V-RWAY-MNMT-SYMB	3	CONTINUOUS
PROPERTY LINE		V-RWAY-PROP	4	CONTINUOUS
SECTION LINES	SECTION	V-RWAY-SECT	72	CONTINUOUS
	1/4 LINE	V-RWAY-SECT-QTRS	72	DASHED
	1/16 LINE	V-RWAY-SECT-SXTS	72	DASHED2
TCE		V-RWAY-TCE	6	CONTINUOUS
TCP		V-RWAY-TCP	6	CONTINUOUS
TEXT	EASEMENTS	V-RWAY-LABL-ESMT	52	CONTINUOUS
	PROPERTY	V-RWAY-LABL-PROP	3	CONTINUOUS
	EXISTING ROW	V-RWAY-LABL-RWAY-E	12	CONTINUOUS
	PROPOSED	V-RWAY-LABL-RWAY-N	52	CONTINUOUS
	TCE	V-RWAY-LABL-TCE	52	CONTINUOUS
	TCP	V-RWAY-LABL-TCP	52	CONTINUOUS
SURVEY CONTROL		V-CTRL-LINE	72	DASH DOT
		V-RWAY-CTRL-SYMB	72	CONTINUOUS
RWAY LIMITS	EXISTING	V-RWAY-RWAY-E	134	CONTINUOUS
	NEW	V-RWAY-RWAY-N	6	CONTINUOUS
	PROPOSED BY DESIGN	C-RWAY-N	6	CONTINUOUS
WORKING		V-RWAY-WORK	7	CONTINUOUS

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DESCRIPTION		LAYER NAME	COLOR	LINETYPE
TOPOGRAPHY				
TIN/DTM		V-TINN-VIEW	1	CONTINUOUS
BOUNDARY		V-TINN-BNDY	44	CONTINUOUS
BREAK		V-TOPO-BRKL	3	CONTINUOUS
CONTOURS		V-TINN-MAJR	1	DOTSMALL
		V-TINN-MINR	50	DOTSMALL
VEGETATION	EXISTING EDGE	V-TOPO-VEGE	110	VEGETATION-L or -R
	EXISTING TREE	V-NODE-VEGE	110	CONTINUOUS
WATER	EXISTING EDGE	V-TOPO-EWAT	110	PHANTOM2
	EXISTING CENTERLINE	V-CHAN-FLOW	150	CENTER
	EXISTING MEANDER	V-CHAN-OHWM	150	BORDER2
UTILITIES				
STORM DRAIN	EXISTING PIPING (2D)	V-STRM-PIPE	130	STORM_DRAIN-EL or ER
	EXISTING PIPING (3D)	C-STRM-PIPE-E	130	TOPO
	PIPING	C-STRM-PIPE	132	CONTINUOUS
	EXISTING STRUCTURES	V-NODE-STRM	130	TOPO2
	STRUCTURES	C-STRM-STRC	132	CONTINUOUS
ELECTRICAL	EXISTING ELECTRIC	V-NODE-POWR	10	TOPO
	ELECTRIC	C-POWR-SYMB	12	CONTINUOUS
	EXISTING ELEC. LINE OVHD	V-POWR-LINE	10	TOPO
	ELECTRIC LINE OVHD	C-POWR-LINE	12	CONTINUOUS
	EXISTING UNDERGRND LINE	V-POWR-LINE-UNDR	10	ELEC_ND-EL or -ER
	UNDERGROUND LINE	C-POWR-LINE-UNDR	12	ELEC_ND-PL or -PR
	EXISTING LIGHTING	V-NODE-LITE	10	TOPO
	LIGHTING	C-ROAD-LITE-SYMB	12	CONTINUOUS
	EXISTING SIGNAL SYSTEM	V-NODE-SIGL	10	TOPO
	SIGNAL SYSTEM	C-ROAD-SIGL-SYMB	12	CONTINUOUS
	EXISTING RMC	V-ROAD-(LITE or SIGL)-CNDT	10	RMC_EXST
	RIGID METAL CONDUIT	C-ROAD-(LITE or SIGL)-CNDT	14	RMC_PROP
FUEL	EXISTING	V-NODE-STRC	130	TOPO
		C-FUEL-SYMB	52	CONTINUOUS
	EXISTING FUEL LINE	V-FUEL-LINE	50	OIL-E or -EB
	FUEL LINE	C-FUEL-LINE	52	OIL-P or -PB
GAS	EXISTING	V-NODE-NGAS	50	TOPO
		C-NGAS-SYMB	52	CONTINUOUS
	EXISTING GAS LINE	V-NGAS-LINE	50	GAS-EL or -ER
	GAS LINE	C-NGAS-LINE	52	GAS-PL or -PR
SANITARY SEWER	EXISTING STRUCTURES	V-NODE-SSWR	110	TOPO
	STRUCTURES	C-SSWR-STRC	112	CONTINUOUS
	EXISTING SEWER LINE	V-SSWR-LINE	110	SAN_SEWER-E or -EB
	SEWER LINE	C-SSWR-LINE	112	SAN_SEWER-P or -PB
	PIPING	C-SSWR-PIPE	112	CONTINUOUS

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DESCRIPTION		LAYER NAME	COLOR	LINETYPE
TELEPHONE	EXISTING	V-NODE-PHON	30	TOPO
		C-COMM-PHON-SYMB	32	CONTINUOUS
	EXIST. PHONE LINE BURIED	V-COMM-PHON-LINE-UNDR	30	TELE_ND-EL or -ER
	EXISTING PHONE LINE OVHD	V-COMM-PHON-LINE	30	TOPO
	TELEPHONE LINE BURIED	C-COMM-PHON-LINE-UNDR	32	TELE_ND-PL or -PR
	TELEPHONE LINE OVHD	C-COMM-PHON-LINE	32	CONTINUOUS
WATER	EXISTING	V-NODE-WATR	170	TOPO
		C-WATR-SYMB	172	CONTINUOUS
	EXISTING WATER-LINE	V-WATR-LINE	170	WATER_EL or _ER
	WATER-LINE	C-WATR-LINE	172	WATER_PL or _PR
MISCELLANEOUS				
NORTH ARROW		C-ANNO-SYMB-E	4	CONTINUOUS
DIMENSIONS		C-ANNO-DIMS	32	CONTINUOUS
HATCHING		C-ANNO-PATT	250	CONTINUOUS
LABELING	NOTE TEXT	C-ANNO-TEXT	4	CONTINUOUS
	TITLE TEXT	C-ANNO-TITL	4	CONTINUOUS
NO PLOT/REFERENCE		C-ANNO-RDME	15	CONTINUOUS
SCALE		C-ANNO-SYMB-E	4	CONTINUOUS
PE/LS SEAL		C-ANNO-SEAL	3	CONTINUOUS
TITLEBLOCK	LINES	C-ANNO-TTLB	4	CONTINUOUS
	TEXT - FINE	C-ANNO-TTLB-TEXT-FINE	130	CONTINUOUS
	TEXT - MEDIUM	C-ANNO-TTLB-TEXT-MEDM	4	CONTINUOUS
TABLES	TABLE	C-ANNO-TABL	1	CONTINUOUS
	TEXT	C-ANNO-TABL-TEXT	4	CONTINUOUS
	TITLE	C-ANNO-TABL-TITL	4	CONTINUOUS
	BORDER	C-ANNO-TABL-TTBL	174	CONTINUOUS
VIEWPORTS		C-ANNO-VFRM	135	CONTINUOUS
IMAGES		C-ANNO-IMGS	152	CONTINUOUS
X-REFS		C-ANNO-REFR	152	CONTINUOUS
DETAILS				
LINES	FINE	C-DETL-FINE	30	CONTINUOUS
	FINE-HIDDEN	C-DETL-HDLN-FINE	30	HIDDEN
	MEDIUM	C-DETL-MEDM	4	CONTINUOUS
	MEDIUM-HIDDEN	C-DETL-HDLN-MEDM	4	HIDDEN
	BOLD	C-DETL-BOLD	5	CONTINUOUS
	BOLD-HIDDEN	C-DETL-HDLN-BOLD	5	HIDDEN
TEXT	FINE	C-DETL-TEXT-FINE	30	CONTINUOUS
	MEDIUM	C-DETL-TEXT-MEDM	4	CONTINUOUS
	BOLD	C-DETL-TEXT-BOLD	5	CONTINUOUS