



CAD layer assignment table for LAWA projects

Document History

revision letter	release date	major changes	approved by
A	September 2012	new version of standards	

Full Layer Name				Description	Line Width (mm)	Color	Modified	Notes
ANNO - General Information								
A	-	ANNO	- DIMS	Witness/extension lines, dimension terminators, dimension text	V	V	•	Make Blue for our drawings where possible
A	-	ANNO	- KEYN	Reference keynotes with associated leaders	V	V		
A	-	ANNO	- LEGN	Legend & Schedule	V	V	•	
A	-	ANNO	- NOTE	General notes and general remarks	0.25	2	•	
A	-	ANNO	- NPLT	Non-plotting graphic information	0.50	5	•	
A	-	ANNO	- PATT	Miscellaneous patterning and hatching	0.35	8	•	
A	-	ANNO	- REDL	Redlines	0.18	1	•	
A	-	ANNO	- REFR	Reference files (AutoCAD users only, see Chapter 4)	NA	NA		
A	-	ANNO	- REVS	Revisions	0.35	4	•	
A	-	ANNO	- SYMB	Miscellaneous symbols	1.00	6	•	
A	-	ANNO	- TEXT	Miscellaneous text and callouts with associated leaders	0.25	2	•	
AREA - Area								
A	-	AREA	- IDEN	Room numbers, tenant identifications, area calculations	0.25	2	•	
A	-	AREA	- LINE	Architectural area calculation boundary lines	0.35	4	•	
A	-	AREA	- OCCP	Occupant or employee names	0.25	2	•	
A	-	AREA	- PATT	Area cross hatching	0.35	8	•	
BAGS - Baggage Handling Equipment								
A	-	BAGS	- CART	Cart/Tug	0.35	V		
A	-	BAGS	- CATW	Catwalk	0.35	V		
A	-	BAGS	- CLMD	Claim Device	0.35	V		
A	-	BAGS	- CONV	Baggage Conveyor	0.35	16	•	
A	-	BAGS	- CRBS	Curbside Baggage Conveyor	0.35	V		
A	-	BAGS	- CRSL	Baggage carousels	0.35	16	•	
A	-	BAGS	- CTRL	Control	0.35	V		
A	-	BAGS	- DIMM	Dimension	0.35	V		
A	-	BAGS	- DOOR	Doors	0.35	V		
A	-	BAGS	- ELEV	Elevation	0.35	V		
A	-	BAGS	- EQPM	Equipment	0.35	V		

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
A	-	BAGS	-	ICNV	Inbound Baggage Conveyor	0.35	V		
A	-	BAGS	-	IOSZ	Inbound Oversized Baggage Conveyor	0.35	V		
A	-	BAGS	-	MKUP	Make-Up Device	0.35	V		
A	-	BAGS	-	MTCH	Match Lines	0.35	V		
A	-	BAGS	-	NOTE	Baggage equipment related notes	0.35	V	•	
A	-	BAGS	-	OCNV	Outbound Baggage Conveyor	0.35	V		
A	-	BAGS	-	OOSZ	Outbound Oversized Baggage Conveyor	0.35	V		
A	-	BAGS	-	RAIL	Guardrail	0.35	V		
A	-	BAGS	-	ROWY	Right-of-Way	0.35	V		
A	-	BAGS	-	SCDR	Baggage Security Doors	0.35	16	•	
A	-	BAGS	-	SCNU	Screening Unit	0.35	V		
A	-	BAGS	-	TBLK	Title Block	0.35	V		
A	-	BAGS	-	TCBC	Ticket Counter Baggage Conveyor	0.35	V		
A	-	BAGS	-	TEMP	Temporary Temporary	0.35	V		
A	-	BAGS	-	TTRY	Tilt-Tray Baggage System	0.35	V		
A	-	BAGS	-	VPRT	View Port Layer for Paper Space	0.35	V		
A	-	BAGS	-	XFER	Transfer Baggage Conveyor	0.35	V		
A	-	BAGS	-	XRAY	X-Ray Unit	0.35	V		
CLNG - Ceiling Information									
A	-	CLNG	-	ACCS	Access panels	1.00	6	•	
A	-	CLNG	-	CTLJ	Ceiling control joints	0.25	2	•	
A	-	CLNG	-	GRID	Ceiling grid	0.18	1	•	
A	-	CLNG	-	LEVL	Level Changes	0.50	5	•	
A	-	CLNG	-	OPEN	Openings, ceiling/roof penetrations (see also A-FLOR-OVHD in Model File Type: Floor Plan)	0.35	8	•	
A	-	CLNG	-	PATT	Ceiling patterns	0.35	8	•	
A	-	CLNG	-	SUSP	Suspended elements, ceiling mounted specialties (e.g., clocks, fans, etc.)	0.50	5	•	
A	-	CLNG	-	TEES	Main tees	0.50	5	•	
COLS - Columns									
A	-	COLS	-	ENCL	Column enclosures/fire protection	0.35	4	•	
DETL - Detail Information									
A	-	DETL	-	INPD	Inch-pound-specific dimensions and notes	0.25	2	•	
A	-	DETL	-	METR	Metric-specific dimensions and notes	0.25	2	•	

Full Layer Name				Description	Line Width (mm)	Color	Modified	Notes
DOOR - Doors								
A	-	DOOR		Doors, including swing	0.25	31	•	
A	-	DOOR	- FULL	Full height (to ceiling) door: swing and leaf	1.00	6	•	
A	-	DOOR	- IDEN	Door number and symbol, hardware group, etc.	0.25	31	•	
A	-	DOOR	- OVHD	Overhead coiling/Roll-up doors	0.25	31	•	
A	-	DOOR	- PRHT	Partial height door: swing and leaf	1.00	6	•	
A	-	DOOR	- SLDG	Sliding glass doors	0.25	31	•	
A	-	DOOR	- SYMB	Miscellaneous door symbols (e.g., overhead, bifold, pocket, etc.)	0.18	1	•	
ELEV - Elevators								
A	-	ELEV	- CASE	Wall-mounted casework	0.35	3	•	
A	-	ELEV	- FIXT	Miscellaneous fixtures	0.25	2	•	
A	-	ELEV	- FNSH	Finishes, woodwork, trim	0.35	3	•	
A	-	ELEV	- IDEN	Component identification numbers	0.25	2	•	
A	-	ELEV	- OTLN	Building outlines	1.00	6	•	
A	-	ELEV	- PATT	Textures and hatch patterns	0.35	8	•	
A	-	ELEV	- PFIX	Plumbing fixtures	1.00	6	•	
A	-	ELEV	- CASE	Wall-mounted casework	0.35	3	•	
A	-	ELEV	- FIXT	Miscellaneous fixtures	0.25	2	•	
A	-	ELEV	- FNSH	Finishes, woodwork, trim	0.35	3	•	
A	-	ELEV	- IDEN	Component identification numbers	0.25	2	•	
A	-	ELEV	- OTLN	Building outlines	1.00	6	•	
A	-	ELEV	- PATT	Textures and hatch patterns	0.35	8	•	
A	-	ELEV	- PFIX	Plumbing fixtures	1.00	6	•	
A	-	ELEV	- SIGN	Signage	0.18	1	•	
EQPM - Equipment								
A	-	EQPM		General equipment, ducts, mechanical shafts	1.00	6	•	
A	-	EQPM	- ACCS	Equipment access	1.00	6	•	
A	-	EQPM	- BELW	Equipment below Floor	0.35	4	•	
A	-	EQPM	- CLRN	Equipment clearance	0.35	4	•	
A	-	EQPM	- FIDS	Flight Information Display Systems	1.00	6	•	
A	-	EQPM	- FIXD	Fixed equipment	0.35	4	•	
A	-	EQPM	- IDEN	Equipment identification numbers	1.00	6	•	

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
A	-	EQPM	-	JETB	Jet bridges	0.35	8	•	
A	-	EQPM	-	JETB - COLS	Jet bridge columns	0.35	8	•	
A	-	EQPM	-	MOVE	Moveable equipment	1.00	6	•	
A	-	EQPM	-	NICN	Not in contract equipment	1.00	6	•	
A	-	EQPM	-	OVHD	Overhead, ceiling mounted, or suspended equipment	1.00	6	•	
A	-	EQPM	-	SECU	Security equipment	1.00	6	•	
FLOR - Floor Information									
A	-	FLOR	-	CASE	Casework (manufactured cabinets)	0.25	31	•	
A	-	FLOR	-	CASE - OVHD	Wall-mounted casework	0.25	31	•	
A	-	FLOR	-	ESCL	Escalators	0.35	31	•	
A	-	FLOR	-	EVTR	Elevator cars and equipment	0.35	31	•	
A	-	FLOR	-	EXPJ	Expansion and Seismic Joints	0.35	31	•	
A	-	FLOR	-	FENC	Interior fence	1.00	6	•	Linestyle may vary
A	-	FLOR	-	FURN	Furniture [Mainly for fixed benches]	0.25	31	•	
A	-	FLOR	-	HRAL	Guardrails [excluding stair handrails]	0.25	31	•	
A	-	FLOR	-	IDEN	Room name, space identification text	0.35	3	•	
A	-	FLOR	-	LEVL	Level changes, shafts, ramps, pits, breaks in construction, and depressions	0.25	31	•	
A	-	FLOR	-	MVWK	Moving Walkways	0.25	31	•	
A	-	FLOR	-	NUMB	Room/space identification number and symbol	0.35	3	•	
A	-	FLOR	-	OTLN	Floor outline/perimeter/building footprint	1.00	6	•	
A	-	FLOR	-	OTLN - RPRM	Room perimeter shape (Interior walls)	0.25	2	•	
A	-	FLOR	-	OVHD	Overhead items (skylights, overhangs etc.)	0.35	8	•	
A	-	FLOR	-	PATT	Paving, tile, carpet patterns, & carpet edge lines	0.35	8	•	
A	-	FLOR	-	RAIS	Access (raised) flooring	0.35	3	•	
A	-	FLOR	-	SIGN	Signage	0.18	1	•	
A	-	FLOR	-	SPCL	Architectural specialties (e.g. display cases) [Toilet accessories are to go in P-FIXT]	0.35	3	•	
A	-	FLOR	-	STRS	Stairs risers/treads, ladders [Including stair and balcony handrails] and [Excluding escalators; see A-FLOR-ESCL]	0.35	31	•	
A	-	FLOR	-	TPTN	Toilet partitions	0.18	1	•	

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
A	-	FLOR	-	WDWK	Architectural woodwork (field built cabinets and counters)	0.35	3	•	
GLAZ - Windows									
A	-	GLAZ			Window glazing, mullions	0.25	151	•	
A	-	GLAZ	-	FULL	Full height glazed walls and partitions (see A-WALL-CWMG for curtain walls)	0.18	1	•	
A	-	GLAZ	-	IDEN	Window number and symbol	0.35	3	•	
A	-	GLAZ	-	PRHT	Windows and partial height glazed partitions	0.18	1	•	
A	-	GLAZ	-	SILL	Window sills	0.18	50	•	
LITE - Lights									
A	-	LITE	-	CLNG	Specialty ceiling lights not shown on Electrical Lighting Plan	0.35	4	•	
PROP - Properties Information									
A	-	PROP	-	LEAS	Lease line (interior)	1.00	6	•	
ROOF - Roof Information									
A	-	ROOF			Roof crickets, drains, flow arrows, level changes	0.35	3	•	
A	-	ROOF	-	CRTS	Cricket flow arrows flow info	0.18	1	•	
A	-	ROOF	-	EXPJ	Expansion joints	0.50	5	•	
A	-	ROOF	-	GUTR	Roof internal gutters	0.35	8	•	
A	-	ROOF	-	HRAL	Stair handrails, nosings, guard rails	0.50	5	•	
A	-	ROOF	-	LEVL	Level changes	0.50	5	•	
A	-	ROOF	-	OPEN	Roof Open Below ('X' line symbol)	0.25	V		
A	-	ROOF	-	OTLN	Roof perimeter/edge, roof geometry	1.00	6	•	
A	-	ROOF	-	PATT	Roof surface patterns, hatching	0.35	8	•	
A	-	ROOF	-	RFDR	Roof drains	0.18	1	•	
A	-	ROOF	-	SPCL	Roof specialties, accessories, access hatches, dormers [and skylights]	0.35	3	•	
A	-	ROOF	-	STRS	Stair risers/treads, ladders	0.50	5	•	
A	-	ROOF	-	WALK	Roof walkways	0.35	3	•	
A	-	ROOF	-	WALL	Parapet walls and wall caps	0.25	2	•	
SECT - Sections									
A	-	SECT	-	IDEN	Component identification numbers	0.25	2	•	
A	-	SECT	-	MBND	Material beyond section cut	0.50	5	•	

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
A	-	SECT	-	MCUT	Material cut by section	V	V		
A	-	SECT	-	PATT	Textures and hatch patterns	0.35	8	•	
STAT - Demolition (used only in existing demolition model file)									
A	-	STAT	-	DEMO	Demolition	1.00	6	•	
A	-	STAT	-	DEMO - PHS1	Demolition - phase 1	0.50	203		
A	-	STAT	-	DEMO - PHS2	Demolition - phase 2	0.50	83		
A	-	STAT	-	DEMO - PHS3	Demolition - phase 3	0.50	163		
A	-	STAT	-	EXST	Existing to remain	0.35	3	•	
A	-	STAT	-	FUTR	Future work	0.25	2	•	
A	-	STAT	-	MOVE	Items to be moved	1.00	6	•	
A	-	STAT	-	NEWW	New work	0.35	4	•	
A	-	STAT	-	NICN	Not in contract	0.35	8	•	
A	-	STAT	-	PHS#	Phase numbers (#=1-9)	0.25	2	•	
A	-	STAT	-	RELO	Relocated items	0.50	5	•	
A	-	STAT	-	TEMP	Temporary work	0.35	4	•	
WALL - Walls									
A	-	WALL	-	CAVI	Cavity wall lines	0.18	1	•	
A	-	WALL	-	CNTR	Wall centerlines	0.50	5	•	
A	-	WALL	-	CWMG	Curtain wall mullions and glass	0.18	1	•	
A	-	WALL	-	EXTR	Exterior walls	0.35	3	•	
A	-	WALL	-	FIRE	Fire wall designators (patterning)	0.25	2	•	
A	-	WALL	-	FULL - EXTR	Exterior full height walls	0.25	2	•	
A	-	WALL	-	FULL - INTR	Interior full height walls	0.35	3	•	
A	-	WALL	-	HEAD	Door and window headers (appear on Reflected	0.18	1	•	
A	-	WALL	-	IDEN	Wall identification/type text or tags	0.35	3	•	
A	-	WALL	-	INTR	Exterior walls	0.25	121	•	
A	-	WALL	-	JAMB	Door and window jambs (do not appear on Reflected Ceiling Plan)	0.18	1	•	
A	-	WALL	-	MOVE	Moveable walls/partitions	0.50	5	•	
A	-	WALL	-	PATT	Wall insulation, hatching, and fill	0.35	8	•	
A	-	WALL	-	PRHT	Partial height walls	0.18	1	•	
A	-	WALL	-	SPCL	Wall-hung/attached specialties (e.g., fixtures, grab bars (incl. handicap), telephone booths)	0.18	1	•	

Full Layer Name				Description	Line Width (mm)	Color	Modified	Notes
ANNO - General Information								
B	-	ANNO	- DIMS	Witness/extension lines, dimension terminators, dimension text	V	V		
B	-	ANNO	- KEYN	Reference keynotes with associated leaders	V	V		
B	-	ANNO	- LEGN	Legend & Schedule	V	V		
B	-	ANNO	- NOTE	General notes and general remarks	0.25	2	•	
B	-	ANNO	- NPLT	Non-plotting graphic information	0.50	5	•	
B	-	ANNO	- PATT	Miscellaneous patterning and hatching	0.35	8	•	
B	-	ANNO	- REDL	Redlines	0.18	1	•	
B	-	ANNO	- REFR	Reference files (AutoCAD users only, see Chapter 4)	NA	NA		
B	-	ANNO	- REVS	Revisions	0.35	4	•	
B	-	ANNO	- SYMB	Miscellaneous symbols	1.00	6	•	
B	-	ANNO	- TEXT	Miscellaneous text and callouts with associated leaders	V	V		
BORE - Borings/Perc Holes								
B	-	BORE	- ELEV	Boring elevations	0.35	3	•	
B	-	BORE	- FDTA	Field data	0.35	3	•	
B	-	BORE	- HOLE	Bore/perc hole number	0.25	2	•	
B	-	BORE	- IDEN	Component identification numbers	0.25	2	•	
B	-	BORE	- LDTA	Laboratory data	0.18	1	•	

Full Layer Name				Description	Line Width (mm)	Color	Modified	Notes
AIRF - Airfield								
C	-	AIRF	- AHOA	Aircraft / Helicopter Operations Area	0.70	84		
C	-	AIRF	- AIDC	Airfield Navigational Aid - Critical Area	0.25	2	•	
C	-	AIRF	- AIDS	Airfield Navigational Aid - Site	0.25	2	•	
C	-	AIRF	- AIDS - COMM	Communications airfield navigational aides	0.25	2	•	
C	-	AIRF	- AIDS - GPS_	GPS airfield navigational aides	0.25	2	•	
C	-	AIRF	- AIDS - ILS_	Airfield Instrument Landing System	0.25	2	•	
C	-	AIRF	- AIDS - MCWV	Microwave airfield navigational aides	0.25	2	•	
C	-	AIRF	- AIDS - OTHR	Other airfield navigational aides	0.25	2	•	
C	-	AIRF	- AIDS - RADI	Radio airfield navigational aides	0.25	2	•	
C	-	AIRF	- AIDS - RADR	Radar airfield navigational aides	0.25	2	•	
C	-	AIRF	- AIDS - RMTE	Remote airfield navigational aides	0.25	2	•	
C	-	AIRF	- AIDS - WTHR	Weather airfield navigational aides	0.25	2	•	
C	-	AIRF	- APLN	Docked airplanes	0.35	8	•	
C	-	AIRF	- DSRF - BLDR	Building Restriction Line	0.35	3	•	
C	-	AIRF	- DSRF - KEYH	Key hols	0.35	3	•	
C	-	AIRF	- DSRF - NMOV	Aircraft Non-Movement Area	0.35	3	•	
C	-	AIRF	- DSRF - OFA_	Object Free Area	0.35	3	•	
C	-	AIRF	- DSRF - OFZ_	Object Free Zone	0.35	3	•	
C	-	AIRF	- DSRF - POFA	Precision Object Free Area	0.35	3	•	
C	-	AIRF	- DSRF - RPZ_	Runway Protection Zone	0.35	3	•	
C	-	AIRF	- DSRF - RSA_	Runway Safety Area	0.35	3	•	
C	-	AIRF	- OBST - LINE	Airspace obstructions - Line	0.35	3	•	
C	-	AIRF	- OBST - POLY	Airspace obstructions - Polygon	0.35	3	•	
C	-	AIRF	- OBST - PPNT	Airspace obstructions - Point	0.35	3	•	
C	-	AIRF	- PROP	Airport property	0.70	84		
C	-	AIRF	- SIDA	Secuirty Identification Display Area	0.70	84		
C	-	AIRF	- TRKL	Flight Track Line	0.25	2	•	
C	-	AIRF	- TRKP	Flight Track Point	0.25	2	•	
AIRS - Airspace								
C	-	AIRS	- ISOC	Approach surface isoclines	0.25	2	•	
C	-	AIRS	- OTHR	Other airspace surfaces	0.35	3	•	
C	-	AIRS	- PART - APRC	FAR Part 77 Approach Surface	0.35	3	•	
C	-	AIRS	- PART - CONL	FAR Part 77 Conical Surface	0.35	3	•	
C	-	AIRS	- PART - HORZ	FAR Part 77 Horizontal Surface	0.35	3	•	

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes				
C	-	AIRS	-	PART	-	PRIM			FAR Part 77 Primary Surface	0.35	3	•	
C	-	AIRS	-	PART	-	TRNS			FAR Part 77 Transitional Surface	0.35	3	•	
C	-	AIRS	-	TERP					TERPS surfaces	0.35	3	•	
ALGN - Alignments													
C	-	ALGN	-	DATA					Alignment coordinates and curve data	0.35	3	•	
C	-	ALGN	-	LINE					Alignments	0.25	2	•	
ANNO - General Information													
C	-	ANNO	-	DIMS					Witness/extension lines, dimension terminators, dimension text	V	V		
C	-	ANNO	-	KEYN					Reference keynotes with associated leaders	V	V		
C	-	ANNO	-	LEGN					Legend & Schedule	V	V		
C	-	ANNO	-	NOTE					General notes and general remarks	0.25	2	•	
C	-	ANNO	-	NPLT					Non-plotting graphic information	0.50	5	•	
C	-	ANNO	-	PATT					Miscellaneous patterning and hatching	0.35	8	•	
C	-	ANNO	-	REDL					Redlines	0.18	1	•	
C	-	ANNO	-	REFR					Reference files (AutoCAD users only, see Chapter 4)	NA	NA		
C	-	ANNO	-	REVS					Revisions	0.35	4	•	
C	-	ANNO	-	SYMB					Miscellaneous symbols	1.00	6	•	
C	-	ANNO	-	TEXT					Miscellaneous text and callouts with associated leaders	V	V		
APRN - Apron													
C	-	APRN	-	ACPK					Aircraft gate/stand parking area	0.35	4	•	
C	-	APRN	-	ANOM					Aircraft non-movement area	0.35	4	•	
C	-	APRN	-	CNTR					Centerlines	0.18	1	•	
C	-	APRN	-	CNTR	-	IDEN			Centerline annotation	0.25	2	•	
C	-	APRN	-	DEIC					Aircraft Deicing Area	0.35	4	•	
C	-	APRN	-	GRND					Grounding points	0.25	2	•	
C	-	APRN	-	HOLD					Holding position markings	0.18	1	•	
C	-	APRN	-	IDEN					Annotation	0.25	2	•	
C	-	APRN	-	JOIN					Apron joints	0.25	2	•	
C	-	APRN	-	MOOR					Mooring points	0.25	2	•	
C	-	APRN	-	MRKG					Apron markings	0.35	4	•	
C	-	APRN	-	OTLN					Airfield apron - outlines	0.35	4	•	

Full Layer Name						Description	Line Width (mm)	Color	Modified	Notes	
C	-	APRN	-	SECU		Security zone markings	0.18	1	•		
C	-	APRN	-	SHLD		Shoulder stripes	0.25	2	•		
BLDG - Building											
C	-	BLDG	-	IDEN		Building and other structure annotation	0.25	2	•		
C	-	BLDG	-	OTLN		Buildings and other structures	1.40	7	•		
C	-	BLDG	-	PATT		Building hatching and patterns	0.35	V			
BORW - Borrow Areas											
C	-	BORW	-	IDEN		Borrow/Spoil area annotation	0.25	2	•		
C	-	BORW	-	LINE		Borrow/Spoil area	0.25	2	•		
CHAN - Channels (waterway)											
C	-	CHAN	-	AIDS		Navigation aids and text	0.25	2	•		
C	-	CHAN	-	CNTR		Channel centerline and survey report lines	0.50	5	•		
C	-	CHAN	-	CNTR	-	IDEN	Channel centerline and survey report lines - annotation	0.50	5	•	
C	-	CHAN	-	DACL		De-authorized channel limits, anchorages, etc.	0.35	3	•		
C	-	CHAN	-	DACL	-	IDEN	De-authorized channel limits, anchorages, etc. - annotation	0.35	3	•	
C	-	CHAN	-	IDEN		Channel limits, anchorages, turning basins, disposal areas, etc. - annotation	1.00	6	•		
C	-	CHAN	-	LIMT		Channel limits, anchorages, turning basins, disposal areas, etc.	1.00	6	•		
C	-	CHAN	-	TURN		Turning points	0.25	2	•		
DETL - Detail Information											
C	-	DETL	-	CONC		Concrete	1.00	6	•		
C	-	DETL	-	COVR		Covers and fittings	1.00	6	•		
C	-	DETL	-	ERTH		Earth	0.35	3	•		
C	-	DETL	-	FAST		Fasteners	0.18	1	•		
C	-	DETL	-	FENC		Fencing	1.00	6	•		
C	-	DETL	-	FILL		Fill	0.50	5	•		
C	-	DETL	-	GENF		General features (miscellaneous items)	V	V			
C	-	DETL	-	GRPH		Graphics, gridlines, non-text items	V	V			
C	-	DETL	-	INPD		Inch-pound-specific dimensions and notes	0.18	1	•		
C	-	DETL	-	METR		Metric-specific dimensions and notes	0.35	3	•		
C	-	DETL	-	PAVE		Pavements	0.25	2	•		

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
C	-	DETL	-	PIPE	Piping	1.00	6	•	
C	-	DETL	-	SPCF	Special features	0.25	2	•	
C	-	DETL	-	STRC	Structural metal	1.00	6	•	
C	-	DETL	-	TANK	Tanks	0.25	2	•	
C	-	DETL	-	VLVE	Valves and fittings	0.25	2	•	
DOMW - Domestic Water									
C	-	DOMW	-	ABND	Abandoned piping	1.00	6	•	
					Connectors, faucets, reducers, regulators, vents, intake points, tanks, taps, backflow preventers, and valves	1.00	6	•	
C	-	DOMW	-	DEVC					
C	-	DOMW	-	FIRE	Fire lines	0.18	1	•	
C	-	DOMW	-	FTTG	Caps, cleanouts, crosses, and tees	1.00	6	•	
C	-	DOMW	-	HYDR	Hydrants	0.18	1	•	
C	-	DOMW	-	IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
C	-	DOMW	-	MAIN	Main domestic water piping	1.00	6	•	
C	-	DOMW	-	METR	Meters	0.35	3	•	
C	-	DOMW	-	NHYD	Non-potable hydrants/flushing hydrants	0.18	1	•	
C	-	DOMW	-	NPOT	Non-potable water piping	1.00	6	•	
C	-	DOMW	-	PITS - IDEN	Identifier tags, symbol modifier, and text	0.18	1	•	
C	-	DOMW	-	PUMP	Booster pump stations	1.00	6	•	
C	-	DOMW	-	REDC	Pressure reducing stations	1.00	6	•	
C	-	DOMW	-	RSVR	Reservoirs	0.18	1	•	
C	-	DOMW	-	RSVR - IDEN	Identifier tags, symbol modifier, and text	0.18	1	•	
C	-	DOMW	-	SERV	Domestic water service piping	1.00	6	•	
C	-	DOMW	-	SIGN	Surface markers/signs	0.18	1	•	
C	-	DOMW	-	STNS - IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
C	-	DOMW	-	TANK	Water storage tanks	0.18	1	•	
C	-	DOMW	-	VENT	Vent pits	0.35	3	•	
C	-	DOMW	-	VLVE	Valve pits/vaults	0.35	3	•	
C	-	DOMW	-	WELL	Water well houses	0.18	1	•	
DRED - Dredging									
C	-	DRED	-	LIMT	Dredge limit lines	0.35	4	•	
C	-	DRED	-	OHWM	Ordinary high water marks	0.25	2	•	
ELEV - Elevation									
C	-	ELEV	-	FIXT	Miscellaneous fixtures	0.25	2	•	

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
C	-	ELEV	-	IDEN	Component identification numbers	0.25	2	•	
C	-	ELEV	-	OTLN	Building outlines	1.00	6	•	
C	-	ELEV	-	PATT	Textures and hatch patterns	0.35	8	•	
C	-	ELEV	-	SIGN	Signage	0.18	1	•	
FUEL - Liquid Fuel									
C	-	FUEL	-	ABND	Abandoned piping	1.00	6	•	
C	-	FUEL	-	DEFL	Defueling piping	1.00	6	•	
C	-	FUEL	-	DEVC	Air eliminators, filter strainers, hydrant fill points, line vents, markers, oil/water separators, reducers, regulators, and valves	1.00	6	•	
C	-	FUEL	-	FLOW	Flow direction arrows	1.00	6	•	
C	-	FUEL	-	FTTG	Caps, crosses, and tees	1.00	6	•	
C	-	FUEL	-	HYDR	Hydrant control pits	0.35	3	•	
C	-	FUEL	-	IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
C	-	FUEL	-	JBOX	Junction boxes, manholes, handholes, test boxes	0.18	1	•	
C	-	FUEL	-	MAIN	Main fuel piping	1.00	6	•	
C	-	FUEL	-	METR	Meters	0.35	3	•	
C	-	FUEL	-	PITS	IDEN Identifier tags, symbol modifier, and text	0.18	1	•	
C	-	FUEL	-	PUMP	Booster pump stations	1.00	6	•	
C	-	FUEL	-	SERV	Service piping	1.00	6	•	
C	-	FUEL	-	STNS	IDEN Identifier tags, symbol modifier, and text	0.25	2	•	
C	-	FUEL	-	TANK	Fuel tanks	0.35	3	•	
C	-	FUEL	-	TRCH	Fuel line trench	0.35	3	•	
C	-	FUEL	-	VENT	Vent pits	0.35	3	•	
C	-	FUEL	-	VLVE	Valve pits	0.35	3	•	
GRAD - Grade Linework									
C	-	GRAD	-	EXST	Existing grade, ground line	1.00	6	•	
C	-	GRAD	-	FNSH	Finished grade	0.35	4	•	
GRID - Gride Lines									
C	-	GRID	-	FRAM	Frame	0.35	4	•	
C	-	GRID	-	MAJR	Major grid lines	0.18	1	•	
C	-	GRID	-	MINR	Minor grid lines	0.35	8	•	
C	-	GRID	-	TEXT	Border text, annotation	0.25	2	•	
HELI - Heliports									

Full Layer Name						Description	Line Width (mm)	Color	Modified	Notes
C	-	HELI	-	BLST		Blast pad and stopway markings	0.18	1	•	
C	-	HELI	-	CNTR		Centerline	0.18	1	•	
C	-	HELI	-	CNTR	- MARK	Centerline markings	0.18	1	•	
C	-	HELI	-	DISP		Displaced threshold markings	0.18	1	•	
C	-	HELI	-	DIST		Fixed distance markings	0.18	1	•	
C	-	HELI	-	FATO		Helipad FATO	0.18	1	•	
C	-	HELI	-	IDEN		Heliport numbers and letters	0.25	2	•	
C	-	HELI	-	SHLD		Shoulder markings	1.00	6	•	
C	-	HELI	-	SIDE		Side stripes	0.35	4	•	
C	-	HELI	-	TDZM		Touchdown zone markers	1.00	6	•	
C	-	HELI	-	THRS		Threshold markers	1.00	6	•	
C	-	HELI	-	TLOF		Helipad take off and landing area	0.18	1	•	
INDW - Industrial Waste Water										
C	-	INDW	-	ABND		Abandoned piping	1.00	6	•	
C	-	INDW	-	DEVC		Grit chambers, meters, flumes, neutralizers, oil/water separators, ejectors, tanks, and valves	1.00	6	•	
C	-	INDW	-	FLOW		Flow direction arrows	1.00	6	•	
C	-	INDW	-	FTTG		Caps and cleanouts	1.00	6	•	
C	-	INDW	-	IDEN		Identifier tags, symbol modifier, and text	0.25	2	•	
C	-	INDW	-	JBOX		Junction boxes and manholes	0.18	1	•	
C	-	INDW	-	LAGN		Lagoons	1.00	6	•	
C	-	INDW	-	LIFT		Lift stations	1.00	6	•	
C	-	INDW	-	MAIN		Main industrial waste water piping	1.00	6	•	
C	-	INDW	-	PLNT		Treatment plants	1.00	6	•	
C	-	INDW	-	RSVR	- IDEN	Identifier tags, symbol modifier, and text	1.00	6	•	
C	-	INDW	-	SERV		Industrial waste water service piping	0.18	1	•	
C	-	INDW	-	SIGN		Surface markers/signs	0.18	1	•	
C	-	INDW	-	STNS	- IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
JOIN - Joints										
C	-	JOIN	-	CNSL		Construction joints - longitudinal	1.00	6	•	
C	-	JOIN	-	CNST		Construction joints - transverse	1.00	6	•	
C	-	JOIN	-	CNTL		Contraction joints - longitudinal	0.25	2	•	
C	-	JOIN	-	CNTT		Contraction joints - transverse	0.25	2	•	
C	-	JOIN	-	EDGE		Thickened edges	0.35	4	•	

Full Layer Name						Description	Line Width (mm)	Color	Modified	Notes
C	-	JOIN	-	EXPN		Expansion joints	0.35	12		
NGAS - Natural Gas										
C	-	NGAS	-	ABND		Abandoned piping	1.00	6	•	
						Hydrant fill points, lights, vents, markers, rectifiers, reducers, regulators, sources, tanks, drip pots, taps, and valves	1.00	6	•	
C	-	NGAS	-	DEVC						
C	-	NGAS	-	DEVC	-	IDEN				
C	-	NGAS	-	FLOW		Flow direction arrows	1.00	6	•	
C	-	NGAS	-	FTTG		Caps, crosses, and tees	1.00	6	•	
C	-	NGAS	-	IDEN		Identifier tags, symbol modifier, and text	0.25	2	•	
C	-	NGAS	-	MAIN		Main natural gas piping	1.00	6	•	
C	-	NGAS	-	METR		Meters	0.35	3	•	
C	-	NGAS	-	PITS	-	IDEN				
C	-	NGAS	-	PUMP		Compressor stations	1.00	6	•	
C	-	NGAS	-	REDC		Reducing stations	1.00	6	•	
C	-	NGAS	-	SERV		Service piping	0.18	1	•	
C	-	NGAS	-	SIGN		Surface markers/signs	0.18	1	•	
C	-	NGAS	-	STNS	-	IDEN				
C	-	NGAS	-	VENT		Vent pits	0.35	3	•	
C	-	NGAS	-	VLVE		Valve pits/boxes	0.35	3	•	
OVRN - Overrun Areas										
C	-	OVRN	-	CNTR		Centerlines	0.18	1	•	
C	-	OVRN	-	CNTR	-	IDEN				
C	-	OVRN	-	IDEN		Airfield overrun area - annotation	0.25	2	•	
C	-	OVRN	-	JOIN		Airfield overrun joints	0.25	2	•	
C	-	OVRN	-	OTLN		Airfield overrun area - outlines	0.35	4	•	
C	-	OVRN	-	SHLD		Shoulder markings	0.35	4	•	
PADS - Pads (Arm/Disarm, Calibration, etc.)										
C	-	PADS	-	CNTR		Centerlines	0.18	1	•	
C	-	PADS	-	CNTR	-	IDEN				
C	-	PADS	-	IDEN		Pads - annotation	0.25	2	•	
C	-	PADS	-	OTLN		Pad - outlines	0.35	4	•	
C	-	PADS	-	SHLD		Shoulders with annotation	0.25	2	•	
PKNG - Parking Lots and Minor Roads										
C	-	PKNG	-	CARS		Graphic illustration of cars	0.25	2	•	

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
C	-	PKNG	-	CNTR	Centerlines	0.18	1	•	
C	-	PKNG	-	CNTR - IDEN	Centerline annotation	1.00	6	•	
C	-	PKNG	-	CURB	Curbs and gutters	0.35	3	•	
C	-	PKNG	-	DRAN	Parking lot drainage slope indications	0.18	1	•	
C	-	PKNG	-	EQPM	Parking Equipment (I.e. booths, gates, etc.)	0.35	4	•	
C	-	PKNG	-	FIXT	Parking lot fixtures (e.g., wheel stops, parking meters)	0.25	91		
C	-	PKNG	-	IDEN	Parking lot, minor road, and curb annotation	1.00	6	•	
C	-	PKNG	-	ISLD	Parking islands	0.35	4	•	
C	-	PKNG	-	OTLN	Parking lots	0.35	4	•	
C	-	PKNG	-	STRP	Parking lot striping, handicapped symbols, pavement markings	0.25	2	•	
PROF - Profiles									
C	-	PROF	-	CUID	Existing grade and grading cuts - annotation	0.18	1	•	
C	-	PROF	-	FILL	New work, grading fills	0.35	3	•	
C	-	PROF	-	INLT	Curb and surface inlets, catch basins	0.35	3	•	
C	-	PROF	-	MHOL	Manholes	0.18	1	•	
C	-	PROF	-	PIPE	Piping	1.00	6	•	
C	-	PROF	-	ROAD	Roads	0.25	2	•	
PROP - Property									
C	-	PROP	-	CONS	Construction limits/controls, staging area	1.40	7	•	
C	-	PROP	-	ESMT	Easements	0.70	84		
C	-	PROP	-	IDEN	Property annotation	1.00	6	•	
C	-	PROP	-	LEAS	Lease line (exterior / ground lease)	1.00	6	•	
C	-	PROP	-	RWAY	Right of ways	1.40	7	•	
PVMT - Pavement									
C	-	PVMT	-	ASPH	Pavement pattern - asphalt	0.35	8	•	
C	-	PVMT	-	CONC	Pavement pattern - concrete	0.35	8	•	
C	-	PVMT	-	GROV	Pavement Grooving	0.35	8	•	
C	-	PVMT	-	GRVL	Pavement pattern - gravel	0.35	8	•	
C	-	PVMT	-	IDEN	Road, parking lot, railroad, airfield pavement annotation	0.25	2	•	
C	-	PVMT	-	MRKG	Pavement markings	0.25	2	•	
C	-	PVMT	-	MRKG - WHIT	Roadway markings (white)	0.25	2	•	

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes				
C	-	PVMT	-	MRKG	-	YELO			Roadway markings (yellow)	0.25	2	•	
C	-	PVMT	-	PATT					Joint patterns, text and dimensions	0.25	2	•	
C	-	PVMT	-	ROAD					Roads, parking lots, railroads, airfield pavements	0.25	2	•	
C	-	PVMT	-	SIGN					Other signs	0.25	2	•	
RAIL - Railroads													
C	-	RAIL	-	CNTR					Centerlines	0.18	1	•	
C	-	RAIL	-	CNTR	-	IDEN			Centerline annotation	1.00	6	•	
C	-	RAIL	-	EQPM					Railroad equipment (e.g., gates, signals)	0.25	91		
C	-	RAIL	-	IDEN					Railroad - annotation	1.00	6	•	
C	-	RAIL	-	TRAK					Railroads	0.25	2	•	
C	-	RAIL	-	YARD					Railroad Yard	0.25	2	•	
ROAD - Major Roads													
C	-	ROAD	-	CNTR					Centerlines	0.18	1	•	
C	-	ROAD	-	CNTR	-	IDEN			Centerline annotation	1.00	6	•	
C	-	ROAD	-	CURB					Curbs & curb ramps	1.00	6	•	
C	-	ROAD	-	GRAL					Guardrails	1.00	6	•	
C	-	ROAD	-	IDEN					Road, curb, and guardrail annotation	1.00	6	•	
C	-	ROAD	-	OTLN					Roads	0.35	3	•	
RUNW - Runway													
C	-	RUNW	-	ARST					Runway Arresting Gear Location	0.18	1	•	
C	-	RUNW	-	BLST					Blast pad markings	0.18	1	•	
C	-	RUNW	-	CNTR					Centerline	0.18	1	•	
C	-	RUNW	-	CNTR	-	MARK			Centerline markings	0.18	1	•	
C	-	RUNW	-	DISP					Displaced threshold markings	0.18	1	•	
C	-	RUNW	-	DIST					Fixed distance markings	0.18	1	•	
C	-	RUNW	-	EDGE					Airfield runway edges	1.00	6	•	
C	-	RUNW	-	IDEN					Runway numbers and letters	0.25	2	•	
C	-	RUNW	-	INTS					Runway intersection	1.00	6	•	
C	-	RUNW	-	LAHS					Runway land and hold short area	1.00	6	•	
C	-	RUNW	-	SAFT					Runway Safety Area	1.00	6	•	
C	-	RUNW	-	SHLD					Shoulder markings	1.00	6	•	
C	-	RUNW	-	SIDE					Side stripes	0.35	4	•	
C	-	RUNW	-	STWY					Runway stopway markings	0.18	1	•	
C	-	RUNW	-	TDZM					Touchdown zone markers	1.00	6	•	

Full Layer Name						Description	Line Width (mm)	Color	Modified	Notes
C	-	RUNW	-	THRS		Threshold markers	1.00	6	•	
SECT - Sections										
C	-	SECT	-	IDEN		Component identification numbers	0.25	2	•	
C	-	SECT	-	MBND		Material beyond section cut	0.50	5	•	
C	-	SECT	-	MCUT		Material cut by section	0.35	4	•	
C	-	SECT	-	PATT		Textures and hatch patterns	0.35	8	•	
SITE - Site Improvements										
C	-	SITE	-	EROS		Riprap, revetments/stone protection, breakwaters, dikes, jetties, and drains	0.18	1	•	
C	-	SITE	-	EROS	-	IDEN	Riprap, revetment/stone protection, breakwater, dike, jetty, and drain annotation	0.35	12	
C	-	SITE	-	FENC		Fences [exterior metal barriers & bollards]	1.00	6	•	
C	-	SITE	-	FENC	-	IDEN	Fence, handrail, ramp, sign, and trail annotation	1.00	6	•
C	-	SITE	-	IDEN		Site improvement annotation	1.00	6	•	
C	-	SITE	-	IMPR		Site improvements (channel or levee features)	0.35	4	•	
C	-	SITE	-	STRC		Structures (bridges, sheds, foundation pads, footings, etc.)	0.35	22		
C	-	SITE	-	STRS		Stairs and ramps	1.00	6	•	
C	-	SITE	-	WALK		Walks, trails and bicycle paths	0.25	2	•	
SSWR - Sanitary Sewer										
C	-	SSWR	-	ABND		Abandoned piping	1.00	6	•	
C	-	SSWR	-	DEVC		Grease traps, grit chambers, flumes, neutralizers, oil/water separators, ejectors, and valves	1.00	6	•	
C	-	SSWR	-	DEVC	-	IDEN	Identifier tags, symbol modifier, and text	1.00	6	•
C	-	SSWR	-	FILT		Filtration beds	0.35	3	•	
C	-	SSWR	-	FILT	-	IDEN	Identifier tags, symbol modifier, and text	0.35	3	•
C	-	SSWR	-	FLOW		Flow direction arrows	1.00	6	•	
C	-	SSWR	-	FTTG		Caps and cleanouts	1.00	6	•	
C	-	SSWR	-	IDEN		Identifier tags, symbol modifier, and text	0.25	2	•	
C	-	SSWR	-	JBOX		Junction boxes and manholes	0.18	1	•	
C	-	SSWR	-	JBOX	-	IDEN	Identifier tags, symbol modifier, and text	0.18	1	•

Full Layer Name						Description	Line Width (mm)	Color	Modified	Notes
C	-	SSWR	-	LAGN		Lagoons	0.35	3	•	
C	-	SSWR	-	LEAC		Leach field	0.35	3	•	
C	-	SSWR	-	MAIN		Sanitary sewer piping	1.00	6	•	
C	-	SSWR	-	NITF		Nitrification drain fields	0.35	3	•	
C	-	SSWR	-	PLNT		Treatment plants	1.00	6	•	
C	-	SSWR	-	PUMP		Booster pump stations	1.00	6	•	
C	-	SSWR	-	RSVR	- IDEN	Identifier tags, symbol modifier, and text	0.35	3	•	
C	-	SSWR	-	SERV		Sanitary sewer service piping	0.18	1	•	
C	-	SSWR	-	SIGN		Surface markers/signs	0.18	1	•	
C	-	SSWR	-	STNS	- IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
C	-	SSWR	-	TANK		Septic tanks	0.35	3	•	
STAT - Demolition (used only in existing demolition model file)										
C	-	STAT	-	DEMO		Demolition	1.00	6	•	
C	-	STAT	-	DEMO	- PHS1	Demolition - phase 1	0.50	203		
C	-	STAT	-	DEMO	- PHS2	Demolition - phase 2	0.50	83		
C	-	STAT	-	DEMO	- PHS3	Demolition - phase 3	0.50	163		
C	-	STAT	-	EXST		Existing to remain	0.35	3	•	
C	-	STAT	-	FUTR		Future work	0.25	2	•	
C	-	STAT	-	MOVE		Items to be moved	1.00	6	•	
C	-	STAT	-	NEWW		New work	0.35	4	•	
C	-	STAT	-	NICN		Not in contract	0.35	8	•	
C	-	STAT	-	PHS#		Phase numbers (#=1-9)	0.25	2	•	
C	-	STAT	-	RELO		Relocated items	0.50	5	•	
C	-	STAT	-	TEMP		Temporary work	0.35	4	•	
STRC - Structures										
C	-	STRC	-	IDEN		Bridges, piers, breakwaters, docks, floats, etc. - annotation	0.25	2	•	
C	-	STRC	-	OTLN		Bridges, piers, breakwaters, docks, floats, etc. - outlines	0.35	4	•	
C	-	STRC	-	TOWR		Tower	0.35	4	•	
STRM - Storm Drains										
C	-	STRM	-	ABND		Abandoned piping	1.00	6	•	
C	-	STRM	-	AFFF		AFFF lagoon/detention pond	0.35	3	•	
C	-	STRM	-	CHUT		Chutes and concrete erosion control structures	0.18	1	•	

Full Layer Name						Description	Line Width (mm)	Color	Modified	Notes
C	-	STRM	-	CULV		Culverts	0.35	3	•	
C	-	STRM	-	DEVC		Downspouts, flumes, oil/water separators, and flap gates	1.00	6	•	
C	-	STRM	-	DRAN	- IDEN	Identifier tags, symbol modifier, and text	0.35	3	•	
C	-	STRM	-	EROS		Erosion control (riprap)	0.50	5	•	
C	-	STRM	-	FLOW		Flow direction arrows	1.00	6	•	
C	-	STRM	-	FMON		Flow monitoring station	1.00	6	•	
C	-	STRM	-	FTTG		Caps and cleanouts	1.00	6	•	
C	-	STRM	-	HDWL		Headwalls and endwalls	1.40	7	•	
C	-	STRM	-	IDEN		Identifier tags, symbol modifier, and text	0.25	2	•	
C	-	STRM	-	INLT		Inlets (curb, surface, and catch basins)	0.35	3	•	
C	-	STRM	-	LAGN		Lagoons, ponds, watersheds, and basins	0.35	3	•	
C	-	STRM	-	MAIN		Storm sewer piping	1.00	6	•	
C	-	STRM	-	MHOL		Manholes	0.18	1	•	
C	-	STRM	-	PUMP		Pump stations	1.00	6	•	
C	-	STRM	-	ROOF		Roof drain line	0.35	3	•	
C	-	STRM	-	RSVR	- IDEN	Identifier tags, symbol modifier, and text	0.35	3	•	
C	-	STRM	-	SERV		Storm sewer service piping	0.18	1	•	
C	-	STRM	-	SIGN		Surface markers/signs	0.18	1	•	
C	-	STRM	-	STNS	- IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
C	-	STRM	-	STRC		Storm drainage, headwalls, inlets, manholes, culverts, and drainage structures	0.35	4	•	
C	-	STRM	-	SUBS		Subsurface drain piping	0.35	3	•	
SURV - Survey Lines										
C	-	SURV	-	DATA		Survey data (benchmarks and horizontal control points or monuments)	1.00	6	•	
C	-	SURV	-	IDEN		Survey, baseline, and control line annotation	1.00	6	•	
C	-	SURV	-	LINE		Survey, baseline, and control lines	0.35	4	•	
TAXI - Taxiways										
C	-	TAXI	-	CNTR		Taxiway centerline	0.18	1	•	
C	-	TAXI	-	CNTR	- IDEN	Centerline annotation	0.25	2	•	
C	-	TAXI	-	CNTR	- MARK	Centerline markings	0.18	1	•	
C	-	TAXI	-	EDGE		Edge markings	0.35	4	•	
C	-	TAXI	-	HOLD		Holding lines	0.25	2	•	

Full Layer Name						Description	Line Width (mm)	Color	Modified	Notes
C	-	TAXI	-	IDEN		Annotation	0.25	2	•	
C	-	TAXI	-	JOIN		Taxiway joints	0.25	2	•	
C	-	TAXI	-	OTLN		Taxiway - outlines	0.35	4	•	
C	-	TAXI	-	SHLD		Shoulder transverse stripes	0.25	2	•	
TOPO - Topography										
C	-	TOPO	-	AUCO		Noise Complaint	1.00	6	•	
C	-	TOPO	-	AUST		Noise Monitoring Station	1.00	6	•	
C	-	TOPO	-	AUZN		Noise Contour/Zone	1.00	6	•	
C	-	TOPO	-	BKLN		Breaklines	1.40	7	•	
C	-	TOPO	-	BORE		Boring locations	1.00	6	•	
C	-	TOPO	-	COOR		Coordinate grid ticks and text	0.35	122		
C	-	TOPO	-	DTMP		DTM points	1.00	6	•	
C	-	TOPO	-	DTMT		DTM triangles	0.35	22		
C	-	TOPO	-	FLZN		Flood Zone	1.00	6	•	
C	-	TOPO	-	MAJR		Major contours	0.25	2	•	
C	-	TOPO	-	MAJR	- IDEN	Major contours - annotation	0.25	2	•	
C	-	TOPO	-	MINR		Minor contours	0.35	3	•	
C	-	TOPO	-	MINR	- IDEN	Minor contours - annotation	0.35	3	•	
C	-	TOPO	-	RTWL		Retaining wall	1.40	7	•	
C	-	TOPO	-	SHOR		Shorelines, land features, and references	0.35	4	•	
C	-	TOPO	-	SLOP		Cut/fill slopes	0.25	2	•	
C	-	TOPO	-	SLOP	- FILL	Cut/fill slopes	0.25	2	•	
C	-	TOPO	-	SLOP	- IDEN	Cut/fill slope, top/toe slope annotation	0.25	2	•	
C	-	TOPO	-	SLOP	- TOPT	Top/toe slopes	1.00	6	•	
C	-	TOPO	-	SLTP		Top/toe slopes	1.00	6	•	
C	-	TOPO	-	SOUN		Soundings	0.18	150		
C	-	TOPO	-	SPOT		Spot elevations	0.25	2	•	
TRAF - Traffic										
C	-	TRAF	-	IDEN		Airfield traffic area annotation	0.25	2	•	
C	-	TRAF	-	TYPA		Type A traffic area	0.35	4	•	
C	-	TRAF	-	TYPB		Type B traffic area	0.35	4	•	
C	-	TRAF	-	TYPC		Type C traffic area	0.35	4	•	

Full Layer Name				Description	Line Width (mm)	Color	Modified	Notes
AIRF - Airfield								
E	-	AIRF	- DEVC ☒	Capacitors, voltage regulators, motors, buses, ☒ generators, meters, grounds, and markers	0.50	23		
E	-	AIRF	- DUCT ☒	Ductbanks	0.50	83		
E	-	AIRF	- JBOX ☒	Junction boxes, pull boxes, manholes, pedestals, splices handholes, ☒	0.50	23		
E	-	AIRF	- VALT ☒	Airfield lighting vaults	0.35	3	•	
ALRM - Fire Alarm / Detection Equipment								
E	-	ALRM	- IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
E	-	ALRM	- SYMB	Miscellaneous alarm system symbols	0.5	203		
ANNO - General Information								
E	-	ANNO	- DIMS	Witness/extension lines, dimension terminators, dimension text	V	V		
E	-	ANNO	- KEYN	Reference keynotes with associated leaders	V	V		
E	-	ANNO	- LEGN	Legend & Schedule	V	V		
E	-	ANNO	- NOTE	General notes and general remarks	0.25	2	•	
E	-	ANNO	- NPLT	Non-plotting graphic information	0.50	5	•	
E	-	ANNO	- PATT	Miscellaneous patterning and hatching	0.35	8	•	
E	-	ANNO	- REDL	Redlines	0.18	1	•	
E	-	ANNO	- REFR	Reference files (AutoCAD users only, see Chapter 4)	NA	NA		
E	-	ANNO	- REVS	Revisions	0.35	4	•	
E	-	ANNO	- SYMB	Miscellaneous symbols	1.00	6	•	
E	-	ANNO	- TEXT	Miscellaneous text and callouts with associated leaders	V	V		
BCNS - Beacons								
E	-	BCNS	- IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
E	-	BCNS	- MISC	Miscellaneous nav aids - windcones and beacons	0.50	203		
E	-	BCNS	- STRB	Strobe beacons	0.50	203		
BELL - Bell System								
E	-	BELL	- IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
E	-	BELL	- SYMB	Bell system symbols	0.50	203		

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
CABL - Cable System									
E	-	CABL	-	COAX	Coax cable	0.50	83		
E	-	CABL	-	FIBR	Fiber optics cable	0.50	83		
E	-	CABL	-	IDEN	Cable identifiers	0.25	2	•	
E	-	CABL	-	MULT	Multi-conductor cable	0.50	83		
E	-	CABL	-	TRAY	Cable trays and wireways	0.50	203		
CABL - Cathodic Protection System									
E	-	CATH	-	ANOD	Sacrificial anode system	0.50	83		
E	-	CATH	-	CURR	Impress current system	0.50	83		
E	-	CATH	-	IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
E	-	CATH	-	TEST	Test stations	0.50	83		
CATV - Cable TV System									
E	-	CATV	-	IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
E	-	CATV	-	SYMB	Cable television system symbols	0.50	203		
CCTV - Cable TV System									
E	-	CCTV	-	IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
E	-	CCTV	-	SYMB	Closed-circuit television system symbols	0.50	203		
CIRC - Circuits									
E	-	CIRC	-	CTRL	Control and monitoring circuits	0.50	163		
E	-	CIRC	-	IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
E	-	CIRC	-	MULT	Multiple circuits	0.50	23		
E	-	CIRC	-	SERS	Series circuits	0.50	203		
CLOK - Clock System									
E	-	CLOK	-	IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
E	-	CLOK	-	SYMB	Clock system symbols	0.50	203		
COMM - Communications									
E	-	COMM	-	EQPM	Other communications distribution equipment	0.50	23		
E	-	COMM	-	JBOX	Communication junction boxes, pull boxes, manholes, handholes, pedestals, splices	0.50	23		
E	-	COMM	-	OVHD	Overhead communications/telephone lines	0.35	4	•	
E	-	COMM	-	OVHD - IDEN	Identifier tags, symbol modifier and text	0.25	2	•	
E	-	COMM	-	UNDR	Underground communications/telephone lines	0.35	4	•	
E	-	COMM	-	UNDR - IDEN	Identifier tags, symbol modifier and text	0.25	2	•	

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
E	-	COMM	-	VALT	Communications vault	0.25	21		
DETL - Detail Information									
E	-	DETL	-	GRPH	Graphics, gridlines, non-text items	V	V		
E	-	DETL	-	INPD	Inch-pound-specific dimensions and notes	0.25	2	•	
E	-	DETL	-	METR	Metric-specific dimensions and notes	0.25	2	•	
DIAG - Diagram Information									
E	-	DIAG	-	GRPH	Graphics, gridlines, non-text items	V	V		
E	-	DIAG	-	IDEN	Identifier tags, symbol modifier and text	0.25	2	•	
E	-	DIAG	-	INPD	Inch-pound-specific dimensions and notes	0.25	2	•	
E	-	DIAG	-	METR	Metric-specific dimensions and notes	0.25	2	•	
DICT - Central Dictation System									
E	-	DICT	-	IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
E	-	DICT	-	SYMB	Central dictation system symbols	0.50	203		
DICS - Other Discipline Information									
E	-	DISC	-	INFO	Clearances and working space information (NEC code, etc.)	0.35	3	•	
DUCT - Underground Duct Bank (to be used when multiple systems are in one ductbank system)									
E	-	DUCT	-	MULT	Ductbank	0.50	83		
E	-	DUCT	-	MULT - IDEN	Identifier tags, symbol modifier and text	0.25	2	•	
ELEC - Electrical Support Equipment									
E	-	ELEC	-	DEVC	Capacitors, voltage regulators, motors, buses, generators, meters, grounds, and markers	0.50	23		
E	-	ELEC	-	JBOX	Junction boxes, pull boxes, manholes, handholes, pedestals, splices	0.50	23		
E	-	ELEC	-	SUBS	Other substation equipment	0.50	23		
E	-	ELEC	-	SWCH	Fuse cutouts, pole mounted switches, circuit breakers, gang operated disconnects, reclosers, cubicle switches	0.50	23		
E	-	ELEC	-	VALT	Vaults	0.25	21		
EMCS - Energy Monitoring Control Systems									
E	-	EMCS	-	IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
E	-	EMCS	-	SYMB	Energy monitoring control system symbols	0.50	203		
EMER - Emergency Equipment									
E	-	EMER	-	EMER	Emergency systems equipment	0.35	4	•	

Full Layer Name				Description	Line Width (mm)	Color	Modified	Notes
FLOR - Floor Information								
E	-	FLOR	- IDEN	Room name, space identification text (copied from Architectural - Floor Plan model file)	0.35	3	•	
E	-	FLOR	- NUMB	Room/space identification number and symbol (copied from Architectural - Floor Plan model file)	0.35	3	•	
GRND - Ground System								
E	-	GRND	- CIRC	Circuits	0.35	4	•	
E	-	GRND	- DIAG	Ground system diagram	0.50	163		
E	-	GRND	- EQUI	Equipotential ground system	0.50	83		
E	-	GRND	- REFR	Reference ground system	0.50	23		
INTC - Intercom/Public Address System								
E	-	INTC	- IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
E	-	INTC	- SYMB	Intercom/PA system symbols	0.50	203		
LITE - Lights								
E	-	LITE	- APPR	Approach lights	0.50	203		
E	-	LITE	- APRN	Apron Lighting	1.00	6	•	
E	-	LITE	- CIRC	Lighting circuits (including crosslines and homeruns)	0.50	83		
E	-	LITE	- CIRC - NUMB	Lighting circuit numbers (e.g., panel/circuit number, wire/conduit size)	0.25	2	•	
E	-	LITE	- CLNG	Ceiling mounted (surface/pendant) fixtures	0.50	203		
E	-	LITE	- CONS	Constant Current Regulators	0.50	V		
E	-	LITE	- DIST	Distance and arresting gear markers and lights	0.50	203		
E	-	LITE	- EMER	Emergency fixtures (outline of light (if ceiling mounted) should go on E-LITE-CLNG)	0.50	23		
E	-	LITE	- EXIT	Exit fixtures (outline of light (if ceiling mounted) should go on E-LITE-CLNG)	0.50	203		
E	-	LITE	- EXTR	Exterior lights	0.50	203		
E	-	LITE	- EXTR - IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
E	-	LITE	- FLOR	Floor mounted fixtures (e.g., stage)	0.50	203		
E	-	LITE	- IDEN	Light fixture identifier tags	0.25	2	•	
E	-	LITE	- JBOX	Junction boxes	0.50	83		

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
E	-	LITE	-	LANE	Hoverlane, taxilane, and helipad lights	0.50	203		
E	-	LITE	-	OBST	Obstruction lights	0.50	203		
E	-	LITE	-	PANL	Main distribution panels, switchboards, lighting panels	0.35	4	•	
E	-	LITE	-	RNWX - GARD	Runway guard lights	0.50	V		
E	-	LITE	-	ROOF	Roof lighting	0.50	203		
E	-	LITE	-	RUNW - CNTR	Runway Centerline lights	0.50	203		
E	-	LITE	-	RUNW - DTGS1	Runway Distance to go lights	1.00	6	•	
E	-	LITE	-	RUNW - EDGE	Runway edge lights	0.50	203		
E	-	LITE	-	RUNW - TDZN	Runway Touchdown Zone lights	0.50	203		
E	-	LITE	-	SIGN	Taxiway guidance signs	0.50	203		
E	-	LITE	-	SPCL	Special fixtures	0.50	203		
E	-	LITE	-	SWCH	Lighting contactors, photoelectric controls, low-voltage lighting controls, etc.	0.50	163		
E	-	LITE	-	TAXI - CNTL	Taxiway centerline lights	0.50	203		
E	-	LITE	-	TAXI - EDGE	Taxiway edge lights	0.50	V		
E	-	LITE	-	THRS	Threshold lights	0.50	203		
E	-	LITE	-	WALL	Wall mounted fixtures	0.50	203		
LTNG - Lightning Protection System									
E	-	LTNG	-	COND	Lightning protection conductors	0.50	203		
E	-	LTNG	-	TERM	Lightning protection terminals	0.50	203		
NURS - Nurse Call / Paging System									
E	-	NURS	-	IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
E	-	NURS	-	SYMB	Nurse call/paging system symbols	0.50	203		
POLE - Utility Poles									
E	-	POLE	-	GUYS	Guying equipment	0.50	203		
E	-	POLE	-	GUYS - IDEN	Guying equipment identifier tags, symbol modifiers, and text	0.25	2	•	
E	-	POLE	-	IDEN	Utility pole identifier tags, symbol modifier, and text	0.25	2	•	
E	-	POLE	-	UTIL	Utility poles	0.50	203		
POWR - Power									
E	-	POWR	-	BUSW	Busways and wireways	0.50	203		
E	-	POWR	-	CABL	Cable trays	0.50	203		

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
E	-	POWR	-	CIRC	Power circuits (including crosslines and homeruns)	0.50	83		
E	-	POWR	-	CIRC - NUMB	Power circuit numbers (e.g., panel/circuit number, wire/conduit size)	0.25	2	•	
E	-	POWR	-	CLNG	Ceiling outlets (receptacles and switches)	0.50	83		
E	-	POWR	-	FEED	Feeders	0.50	203		
E	-	POWR	-	GENR	Generators and auxiliary equipment	0.35	4	•	
E	-	POWR	-	JBOX	Junction boxes	0.50	83		
E	-	POWR	-	MOTR	Motors and utilization equipment	0.35	4	•	
E	-	POWR	-	PANL	Panelboards, switchboards, MCC, unit substations	0.35	4	•	
E	-	POWR	-	SWCH	Disconnect switches, motor starters, contactors, etc.	0.50	163		
E	-	POWR	-	URAC	Underfloor raceways	0.50	203		
E	-	POWR	-	WALL	Wall/floor outlets (receptacles and switches)	0.50	83		
PRIM - Primary Electrical Cables									
E	-	PRIM	-	OVHD	Overhead electrical utility lines	0.35	4	•	
E	-	PRIM	-	OVHD - IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
E	-	PRIM	-	UNDR	Underground electrical utility lines	0.35	4	•	
E	-	PRIM	-	UNDR - IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
SECD - Secondary Electrical Cables									
E	-	SECD	-	OVHD	Overhead electrical utility lines	0.50	163		
E	-	SECD	-	OVHD - IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
E	-	SECD	-	UNDR	Underground electrical utility lines	0.50	163		
E	-	SECD	-	UNDR - IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
SERT - Security Systems									
E	-	SERT	-	ACCS	Access control system symbols	0.50	23		
E	-	SERT	-	BURD	Buried sensors	0.50	23		
E	-	SERT	-	CLNG	Ceiling mounted sensors	0.50	23		
E	-	SERT	-	FLOR	Floor mounted sensors	0.50	23		
E	-	SERT	-	IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
E	-	SERT	-	UNDR	Buried sensors	0.50	23		
E	-	SERT	-	WALL	Wall mounted sensors	0.50	23		
SOUN - Sound Systems									

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
E	-	SOUN	-	IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
E	-	SOUN	-	SYMB	Sound system symbols	0.50	203		
SPCL - Special Systems									
E	-	SPCL	-	IDEN	Special systems (UMCS, EMCS, CATV, etc.) identifier tags, symbol modifier, and text	0.25	2	•	
E	-	SPCL	-	JBOX	Junction boxes	0.50	83		
E	-	SPCL	-	PANL	Panelboards, backing boards, patch panel racks	0.35	4	•	
E	-	SPCL	-	SRFS	Surface Sensor System	0.50	V		
E	-	SPCL	-	SYST	Special systems (UMCS, EMCS, CATV, etc.)	0.50	203		
E	-	SPCL	-	TRAF	Traffic signal system	0.50	203		
E	-	SPCL	-	TRAF - IDEN	Traffic signal identifier tags, symbol modifier, and text	0.25	2	•	
STAT - Demolition (used only in existing demolition model file)									
E	-	STAT	-	DEMO - PHS1	Demolition - phase 1	0.50	203		
E	-	STAT	-	DEMO - PHS2	Demolition - phase 2	0.50	83		
E	-	STAT	-	DEMO - PHS3	Demolition - phase 3	0.50	163		
TRAN - Transformers									
E	-	TRAN	-	PADM	Pad mounted transformers	0.50	23		
E	-	TRAN	-	PADM - IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
E	-	TRAN	-	POLE	Pole mounted transformers	0.50	23		
E	-	TRAN	-	POLE - IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
TVAN - TV Antenna System									
E	-	TVAN	-	IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
E	-	TVAN	-	SYMB	TV antenna system symbols	0.50	203		

Full Layer Name				Description	Line Width (mm)	Color	Modified	Notes
AFFF - Aqueous Film Forming Foam System								
F	-	AFFF	- EQPM	Equipment	0.35	82		
F	-	AFFF	- PIPE	Piping	0.35	82		
ALRM - Fire Alarm / Detection Equipment								
F	-	ALRM	- DTCT	Smoke/heat/other detectors	0.50	23		
F	-	ALRM	- INDC	Indicating appliances	0.50	83		
F	-	ALRM	- MANL	Manual fire alarm pull stations	0.50	23		
F	-	ALRM	- PHON	Fire service or emergency telephone stations	0.18	1	•	
ANNO - General Information								
F	-	ANNO	- DIMS	Witness/extension lines, dimension terminators, dimension text	V	V		
F	-	ANNO	- KEYN	Reference keynotes with associated leaders	V	V		
F	-	ANNO	- LEGN	Legend & Schedule	V	V		
F	-	ANNO	- NOTE	General notes and general remarks	0.25	2	•	
F	-	ANNO	- NPLT	Non-plotting graphic information	0.50	5	•	
F	-	ANNO	- PATT	Miscellaneous patterning and hatching	0.35	8	•	
F	-	ANNO	- REDL	Redlines	0.18	1	•	
F	-	ANNO	- REFR	Reference files (AutoCAD users only, see Chapter 4)	NA	NA		
F	-	ANNO	- REVS	Revisions	0.35	4	•	
F	-	ANNO	- SYMB	Miscellaneous symbols	1.00	6	•	
F	-	ANNO	- TEXT	Miscellaneous text and callouts with associated leaders	V	V		
CO2S - CO2 Sprinkler System								
F	-	CO2S	- EQPM	Equipment	1.00	6	•	
F	-	CO2S	- PIPE	CO2 piping or CO2 discharge nozzle piping	1.00	6	•	
CTRL - Control Panels								
F	-	CTRL	- PANL	Control panels	0.50	23		
DETL - Detail Information								
F	-	DETL	- GRPH	Graphics, gridlines, non-text items	V	V		
F	-	DETL	- INPD	Inch-pound-specific dimensions and notes	0.25	2	•	
F	-	DETL	- METR	Metric-specific dimensions and notes	0.25	2	•	
FLOR - Floor Information								

Full Layer Name						Description	Line Width (mm)	Color	Modified	Notes
F	-	FLOR	-	IDEN		Room name, space identification text (copied from Architectural - Floor Plan model file)	0.35	3	•	
F	-	FLOR	-	NUMB		Room/space identification number and symbol (copied from Architectural - Floor Plan model file)	0.35	3	•	
HALN - Halon System										
F	-	HALN	-	EQPM		Halon equipment	0.35	22		
F	-	HALN	-	PIPE		Halon piping	0.35	22		
IGAS - Inert Gas										
F	-	IGAS	-	EQPM		Inert gas equipment	0.35	162		
F	-	IGAS	-	PIPE		Inert gas piping	0.35	162		
LITE - Lights										
F	-	LITE	-	EMER		Emergency fixtures	0.50	23		
F	-	LITE	-	EXIT		Exit fixtures	0.50	203		
LSFT - Egress Requirements										
F	-	LSFT	-	EGRE		Egress requirements designator	1.00	6	•	
F	-	LSFT	-	OCCP		Occupant load for egress capacity	1.00	6	•	
F	-	LSFT	-	TRVL		Maximum travel distances	1.00	6	•	
PROT - Fire Protection / Suppression Equipment										
F	-	PROT	-	CABN		Fire hose cabinets	0.25	2	•	
F	-	PROT	-	EXTN		Fire extinguishers and fire extinguisher cabinets	0.25	2	•	
F	-	PROT	-	HOSE		Fire hoses	0.25	2	•	
RATE - Fire Ratings										
F	-	RATE	-	DOOR		Door fire ratings	0.35	4	•	
F	-	RATE	-	WALL		Wall fire ratings	0.35	4	•	
SMOK - Smoke/Pressurization Control										
F	-	SMOK	-	DAMP		Dampers	0.35	22		
SPRN - Sprinkler System										
F	-	SPRN	-	CLHD		Sprinkler - ceiling heads	0.35	122		
F	-	SPRN	-	COMB		Combination system	0.18	1	•	
F	-	SPRN	-	OTHD		Sprinkler - other heads	0.35	122		
F	-	SPRN	-	OTHR		Sprinkler - other	0.35	3	•	
F	-	SPRN	-	PEND		Sprinkler - pendant	0.35	3	•	

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
F	-	SPRN	-	PIPE	Sprinkler piping	0.35	4	•	
F	-	SPRN	-	STAN	Standpipe system	0.25	2	•	
STAT - Demolition (used only in creating Existing Demolition model files)									
F	-	STAT	-	DEMO	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	1.00	6	•	
F	-	STAT	-	DEMO - PHS1	Demolition - phase 1	0.50	203		
F	-	STAT	-	DEMO - PHS2	Demolition - phase 2	0.50	83		
F	-	STAT	-	DEMO - PHS3	Demolition - phase 3	0.50	163		
F	-	STAT	-	EXST	Existing to remain	0.35	3	•	
F	-	STAT	-	FUTR	Future work	0.25	2	•	
F	-	STAT	-	MOVE	Items to be moved	1.00	6	•	
F	-	STAT	-	NEWW	New work	0.35	4	•	
F	-	STAT	-	NICN	Not in contract	0.35	8	•	
F	-	STAT	-	PHS#	Phase numbers (#=1-9)	0.25	2	•	
F	-	STAT	-	RELO	Relocated items	0.50	5	•	
F	-	STAT	-	TEMP	Temporary work	0.35	4	•	
WATR - Water Supply and Distribution									
F	-	WATR	-	CONN	Fire department connections	0.35	122		
F	-	WATR	-	HYDR	Hydrants	0.35	122		
F	-	WATR	-	PIPE	Piping	0.35	4	•	
F	-	WATR	-	PUMP	Fire pumps	0.35	122		

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
ANNO - General Information									
G	-	ANNO	-	LEGN	Legend & Schedule	V	V		
G	-	ANNO	-	NPLT	Non-plotting graphic information	0.50	5	•	
G	-	ANNO	-	PATT	Miscellaneous patterning and hatching	0.35	8	•	
G	-	ANNO	-	REDL	Redlines	0.18	1	•	
G	-	ANNO	-	REFR	Reference files (AutoCAD users only, see Chapter 4)	NA	NA		
G	-	ANNO	-	REVS	Revisions	0.35	4	•	
G	-	ANNO	-	SYMB	Miscellaneous symbols	1.00	6	•	
G	-	ANNO	-	SYMB - NARW	[Plan North Arrow]	0.35	12	•	
G	-	ANNO	-	SYMB - NARW - DN	[Plan North Arrow Down]	0.35	12	•	Extra minor
G	-	ANNO	-	SYMB - NARW - LT	[Plan North Arrow Left]	0.35	12	•	Extra minor
G	-	ANNO	-	SYMB - NARW - UP	[Plan North Arrow Up]	0.35	12	•	Extra minor
G	-	ANNO	-	SYMB - SCAL	[Scale symbol]	0.35	12	•	
G	-	ANNO	-	SYMB - SCAL - ATTR	[Scale symbol Attributes]	0.35	3	•	Extra minor
G	-	ANNO	-	TEXT	Miscellaneous text and callouts with associated leaders	V	V		
G	-	ANNO	-	TITL	[Floor Plan Titles & adjacent scale]	0.35	3	•	
G	-	ANNO	-	TTLB	[Titleblock layer]	0.35	4	•	
G	-	ANNO	-	TTLB - ATTR	[Titleblock layer]	0.35	3	•	
G	-	ANNO	-	TTLB - DATE - STMP	[Titleblock layer]	0.18	1	•	Extra minor
G	-	ANNO	-	TTLB - LOGO	[Titleblock layer]	0.53	7	•	
G	-	ANNO	-	TTLB - PATT - LAX	[Titleblock layer]	0.53	7	•	Extra minor
G	-	ANNO	-	TTLB - PATT - ONT	[Titleblock layer]	0.53	7	•	Extra minor
G	-	ANNO	-	TTLB - PATT - PMD	[Titleblock layer]	0.53	7	•	Extra minor
G	-	ANNO	-	TTLB - PATT - VNY	[Titleblock layer]	0.53	7	•	Extra minor
G	-	ANNO	-	VRPT	Paperspace viewport	0.35	8	•	
GRID - Grid Lines									
G	-	GRID	-	EXTR	Column grid outside building	0.50	5	•	
G	-	GRID	-	IDEN	Column grid tags	0.18	1	•	
PLAN - Floor Information									
G	-	PLAN	-	OTLN	Floor outline/perimeter/building footprint	1.00	6	•	
SITE - Site Information									
G	-	SITE	-	OTLN	Site plan - key map	1.00	6	•	

Full Layer Name				Description	Line Width (mm)	Color	Modified	Notes
ANNO - General Information								
H	-	ANNO	- DIMS	Witness/extension lines, dimension terminators, dimension text	V	V		
H	-	ANNO	- KEYN	Reference keynotes with associated leaders	V	V		
H	-	ANNO	- LEGN	Legend & Schedule	V	V		
H	-	ANNO	- NPLT	Non-plotting graphic information	0.50	5	•	
H	-	ANNO	- PATT	Miscellaneous patterning	0.35	8	•	
H	-	ANNO	- REDL	Redlines	0.18	1	•	
H	-	ANNO	- REVS	Revisions	0.35	4	•	
H	-	ANNO	- SYMB	Reference bubbles, matchlines and breaklines	1.00	6	•	
H	-	ANNO	- TEXT	Detail title text, text and associated leaders, notes	V	V		
BLDG - Buildings								
H	-	BLDG	- IDEN	Annotation	0.25	2	•	
H	-	BLDG	- OTLN	Command posts, information centers	0.25	2	•	
DECN - Decontamination								
H	-	DECN	- EQPM	Decontamination equipment	0.18	1	•	
H	-	DECN	- IDEN	Annotation	1.00	6	•	
DETL - Detail Information								
H	-	DETL	- GRPH	Graphics, gridlines, non-text items	V	V		
H	-	DETL	- INPD	Inch-pound-specific dimensions and notes	0.18	1	•	
H	-	DETL	- METR	Metric-specific dimensions and notes	0.35	3	•	
DISP - Disposal Areas								
H	-	DISP	- HAZW	Hazardous waste	0.50	5	•	
H	-	DISP	- IDEN	Annotation	1.00	6	•	
H	-	DISP	- MUNT	Munitions	0.50	5	•	
H	-	DISP	- TANK	Spill containment tanks	1.00	6	•	
FIXT - Emergency Fixtures								
H	-	FIXT	- EYEW	Emergency eyewashes	0.35	3	•	
H	-	FIXT	- SHOW	Emergency showers	0.35	3	•	
MNST - Monitoring Stations								
H	-	MNST	- AIRQ	Air quality	0.35	3	•	
H	-	MNST	- GWTR	Ground water	0.35	3	•	

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
H	-	MNST	-	IDEN	Annotation	0.35	3	•	
H	-	MNST	-	LAND	Landfill gas	0.35	3	•	
H	-	MNST	-	SOIL	Soil gas	0.35	3	•	
H	-	MNST	-	SWTR	Surface water	0.35	3	•	
POLL - Pollution Areas									
H	-	POLL	-	CONC	Polluted area of concern	0.25	2	•	
H	-	POLL	-	IDEN	Annotation	0.25	2	•	
H	-	POLL	-	ORIG	Point of pollution origin	0.25	2	•	
H	-	POLL	-	POTN	Potential spill, emission, or release source	0.25	2	•	
SAMP - Sample Points									
H	-	SAMP	-	AIRS	Air samples	0.18	1	•	
H	-	SAMP	-	BIOL	Biological samples	0.18	1	•	
H	-	SAMP	-	GWTR	Ground water samples	0.18	1	•	
H	-	SAMP	-	IDEN	Annotation	0.18	1	•	
H	-	SAMP	-	MAGN	Magnetometer location points	0.18	1	•	
H	-	SAMP	-	SEDI	Sediment samples	0.18	1	•	
H	-	SAMP	-	SOIL	Soil samples	0.18	1	•	
H	-	SAMP	-	SOLI	Solid material samples	0.18	1	•	
H	-	SAMP	-	SWTR	Surface water samples	0.18	1	•	
H	-	SAMP	-	WAST	Waste samples	0.18	1	•	
SECT - Sections									
H	-	SECT	-	IDEN	Component identification numbers	0.25	2	•	
H	-	SECT	-	MBND	Material beyond section cut	0.50	5	•	
H	-	SECT	-	MCUT	Material cut by section	0.35	4	•	
H	-	SECT	-	PATT	Textures and hatch patterns	0.35	8	•	
STAT - Demolition (used only in creating Existing Demolition model files)									
H	-	STAT	-	DEMO - PHS1	Demolition - phase 1	0.50	203		
H	-	STAT	-	DEMO - PHS2	Demolition - phase 2	0.50	83		
H	-	STAT	-	DEMO - PHS3	Demolition - phase 3	0.50	163		
STOR - Storage Facilities									
H	-	STOR	-	HAZM	Hazardous materials	1.00	6	•	
H	-	STOR	-	HAZW	Hazardous waste	1.00	6	•	
H	-	STOR	-	IDEN	Annotation	1.00	6	•	

Full Layer Name				Description	Line Width (mm)	Color	Modified	Notes
ANNO - General Information								
I	-	ANNO	- DIMS	Witness/extension lines, dimension terminators, dimension text	V	V		
I	-	ANNO	- KEYN	Reference keynotes with associated leaders	V	V		
I	-	ANNO	- LEGN	Legend & Schedule	V	V		
I	-	ANNO	- NOTE	General notes and general remarks	0.25	2	•	
I	-	ANNO	- NPLT	Non-plotting graphic information	0.50	5	•	
I	-	ANNO	- PATT	Miscellaneous patterning	0.35	8	•	
I	-	ANNO	- REDL	Redlines	0.18	1	•	
I	-	ANNO	- REVS	Revisions	0.35	4	•	
I	-	ANNO	- SYMB	Reference bubbles, matchlines and breaklines	1.00	6	•	
I	-	ANNO	- TEXT	Detail title text, text and associated leaders, notes	V	V		
DETL - Detail Information								
I	-	DETL	- GRPH	Graphics, gridlines, non-text items	V	V		
I	-	DETL	- INPD	Inch-pound-specific dimensions and notes	0.25	2	•	
I	-	DETL	- METR	Metric-specific dimensions and notes	0.25	2	•	
ELEV - Elevations								
I	-	ELEV	- CASE	Wall mounted casework	0.25	2	•	
I	-	ELEV	- FIXT	Miscellaneous fixtures	0.35	3	•	
I	-	ELEV	- FNSH	Finishes, woodwork and trim	0.25	2	•	
I	-	ELEV	- IDEN	Component identification numbers	0.50	5	•	
I	-	ELEV	- PATT	Textures and hatch patterns	0.18	1	•	
I	-	ELEV	- PFIX	Plumbing fixtures in elevation	0.18	1	•	
I	-	ELEV	- SIGN	Signage	0.18	1	•	
EQPM - Equipment								
I	-	EQPM	- ACCS	Equipment access	0.35	8	•	
I	-	EQPM	- CHLD	Child development (play toys, teaching rugs, play forms)	0.25	2	•	
I	-	EQPM	- COPY	Copiers, fax machines, office equipment	0.25	2	•	
I	-	EQPM	- FIXD	Fixed equipment	0.50	5	•	
I	-	EQPM	- IDEN	Equipment identification numbers	0.18	1	•	
I	-	EQPM	- MEDI	Medical (exam beds, dental chairs, etc.)	0.25	2	•	

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
I	-	EQPM	-	MOVE	Moveable equipment	0.50	5	•	
I	-	EQPM	-	NICN	Not in contract equipment	0.35	8	•	
I	-	EQPM	-	OVHD	Overhead, ceiling mounted, and suspended equipment	0.35	3	•	
I	-	EQPM	-	STOR	Storage equipment	0.25	2	•	
FLOR - Floor Information									
I	-	FLOR	-	SIGN	Signage	1.00	6	•	
FURN - Furniture									
I	-	FURN	-	ACCS	Accessories (vestibule mats, partitions, draperies, clocks, trash cans, lecturns, lamps, etc.)	0.18	1	•	
I	-	FURN	-	ADPC	Automated Data Processing Components	0.25	2	•	
I	-	FURN	-	ARTW	Artwork	0.25	2	•	
I	-	FURN	-	CASE	Casegoods (desks, credenzas, beds, dressers, nightstands, wardrobes, etc.)	1.00	6	•	
I	-	FURN	-	FLOR	Flooring (carpet, rugs, etc.)	0.25	2	•	
I	-	FURN	-	FREE	Free-standing furnishings (desks, beds, tables, dressers, credenzas, casegoods)	1.00	6	•	
I	-	FURN	-	GRID	Planning grid/modular outline	0.35	4	•	
I	-	FURN	-	IDEN	Furniture code identification	0.35	3	•	
I	-	FURN	-	MISC	Miscellaneous furniture	0.25	2	•	
I	-	FURN	-	PLNT	Plants	0.18	1	•	
I	-	FURN	-	SEAT	Chairs, sofas, etc.	0.25	2	•	
I	-	FURN	-	STOR	File cabinets, high density storage, shelving, storage cabinets	0.25	2	•	
STAT - Demolition (used only in creating Existing Demolition model files)									
I	-	STAT	-	DEMO - PHS1	Demolition - phase 1	0.50	203		
I	-	STAT	-	DEMO - PHS2	Demolition - phase 2	0.50	83		
I	-	STAT	-	DEMO - PHS3	Demolition - phase 3	0.50	163		
SYST - Systems Furniture									
I	-	SYST	-	FURN	Furniture	0.25	2	•	
I	-	SYST	-	IDEN	Code identification	0.18	1	•	
I	-	SYST	-	LITE	Lighting components	0.35	4	•	
I	-	SYST	-	PATT	Patterns	0.35	8	•	
I	-	SYST	-	PNLS	Panels	0.25	2	•	

Full Layer Name						Description	Line Width (mm)	Color	Modified	Notes
I	-	SYST	-	POWR		Power, communication components	0.35	4	•	
I	-	SYST	-	STOR		Storage components	0.25	2	•	
I	-	SYST	-	WALL		Systems furniture partition walls	0.25	2	•	
I	-	SYST	-	WKSF		Work surface components	0.25	2	•	

Full Layer Name				Description	Line Width (mm)	Color	Modified	Notes
ANNO - General Information								
L	-	ANNO	- DIMS	Witness/extension lines, dimension terminators, dimension text	V	V		
L	-	ANNO	- KEYN	Reference keynotes with associated leaders	V	V		
L	-	ANNO	- LEGN	Legend & Schedule	V	V		
L	-	ANNO	- NOTE	General notes and general remarks	0.25	2	•	
L	-	ANNO	- NPLT	Non-plotting graphic information	0.50	5	•	
L	-	ANNO	- PATT	Miscellaneous patterning	0.35	8	•	
L	-	ANNO	- REDL	Redlines	0.18	1	•	
L	-	ANNO	- REVS	Revisions	0.35	4	•	
L	-	ANNO	- SYMB	Reference bubbles, matchlines and breaklines	1.00	6	•	
L	-	ANNO	- TEXT	Detail title text, text and associated leaders, notes	V	V		
DETL - Detail Information								
L	-	DETL	- CABS	Cabinets, enclosures	0.25	2	•	
L	-	DETL	- CONC	Concrete	0.18	1	•	
L	-	DETL	- EARTH	Earth	0.35	3	•	
L	-	DETL	- FENC	Fencing	1.00	6	•	
L	-	DETL	- FILL	Fill/cover material	0.50	5	•	
L	-	DETL	- FURN	Furniture, furnishings	0.25	2	•	
L	-	DETL	- GATE	Gate	0.25	2	•	
L	-	DETL	- GENF	General features (miscellaneous items)	1.00	6	•	
L	-	DETL	- GRAS	Grass, sod	0.35	3	•	
L	-	DETL	- GRPH	Graphics, gridlines, non-text items	V	V		
L	-	DETL	- INPD	Inch-pound-specific dimensions and notes	0.18	1	•	
L	-	DETL	- METR	Metric-specific dimensions and notes	0.35	3	•	
L	-	DETL	- STRC	Structural metal, supports	1.00	6	•	
L	-	DETL	- TKST	Tank Site	0.25	2	•	
L	-	DETL	- VEGI	Planting details	0.35	3	•	
L	-	DETL	- VLVE	Valves, fittings	0.25	2	•	
L	-	DETL	- WIRE	Wiring	1.00	6	•	
IRRG - Irrigation System								

Full Layer Name				Description	Line Width (mm)	Color	Modified	Notes
L	-	IRRG	- COVR	Irrigation coverage, spray distribution patterns	0.50	5	•	
L	-	IRRG	- EQPM	Equipment (e.g., controllers, valves, RPBPs, etc.)	1.00	6	•	
L	-	IRRG	- HEAD	Irrigation heads, bubblers, and drip irrigation emitters	0.18	1	•	
L	-	IRRG	- IDEN	Annotation	0.25	2	•	
L	-	IRRG	- PIPE	Piping	1.00	6	•	
L	-	IRRG	- SPKL	Sprinklers	1.00	6	•	
PLNT - Plants								
L	-	PLNT	- BEDS	Planting beds	1.00	6	•	
L	-	PLNT	- BUSH	Bushes and shrubs (e.g., evergreen, deciduous)	0.50	83		
L	-	PLNT	- BUSH - LINE	Bush and shrub line	0.50	83		
L	-	PLNT	- CTNR	Containers or planters	0.18	1	•	
L	-	PLNT	- GRND	Groundcover and vines	0.35	82		
L	-	PLNT	- IDEN	Annotation	1.00	6	•	
L	-	PLNT	- MLCH	Mulches - organic and inorganic	0.35	3	•	
L	-	PLNT	- PLTS	Planting plants (e.g., ornamental annuals and perennials)	0.50	83		
L	-	PLNT	- SHAD	Shadow areas	0.50	5	•	
L	-	PLNT	- SPRG	Sprigs	0.35	3	•	
L	-	PLNT	- TREE	Trees (e.g., evergreen, deciduous, etc.)	0.50	83		
L	-	PLNT	- TREE - LINE	Tree line	0.50	83		
L	-	PLNT	- TURF	Lawn areas (turving limits)	0.50	23		
SITE - Site								
L	-	SITE	- BRDG	Bridges	0.35	22		
L	-	SITE	- DECK	Decks	0.35	232		
L	-	SITE	- FENC	Fencing	0.25	2	•	
L	-	SITE	- FURN	Furnishings	0.35	4	•	
L	-	SITE	- GATE	Gate	0.25	2	•	
L	-	SITE	- IDEN	Annotation	1.00	6	•	
L	-	SITE	- PLAY	Play structures	0.25	2	•	
L	-	SITE	- POOL	Pools and spas	0.35	162		
L	-	SITE	- ROCK	Boulders and cobble	0.18	1	•	

Full Layer Name						Description	Line Width (mm)	Color	Modified	Notes
L	-	SITE	-	RTWL		Retaining walls	0.35	4	•	
L	-	SITE	-	SPRT		Sports fields	0.25	2	•	
L	-	SITE	-	TUNL		Tunnels	0.35	22		
L	-	SITE	-	WALK		Walks and steps	V	V		
STAT - Demolition (used only in creating Existing Demolition model files)										
L	-	STAT	-	DEMO		Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	1.00	6	•	
L	-	STAT	-	DEMO	- PHS1	Demolition - phase 1	0.50	203		
L	-	STAT	-	DEMO	- PHS2	Demolition - phase 2	0.50	83		
L	-	STAT	-	DEMO	- PHS3	Demolition - phase 3	0.50	163		
L	-	STAT	-	EXST		Existing to remain	0.35	3	•	
L	-	STAT	-	FUTR		Future work	0.25	2	•	
L	-	STAT	-	MOVE		Items to be moved	1.00	6	•	
L	-	STAT	-	NEWW		New work	0.35	4	•	
L	-	STAT	-	NICN		Not in contract	0.35	8	•	
L	-	STAT	-	PHS#		Phase numbers (#=1-9)	0.25	2	•	
L	-	STAT	-	RELO		Relocated items	0.50	5	•	
L	-	STAT	-	TEMP		Temporary work	0.35	4	•	

Full Layer Name				Description	Line Width (mm)	Color	Modified	Notes
ACID - Industrial Waste Piping AFRZ								
M	-	ACID	- EQPM	Acid, alkaline, and oil waste equipment	1.00	6	•	
M	-	ACID	- PIPE	Acid, alkaline, and oil waste piping	0.25	2	•	
M	-	ACID	- VENT	Acid, alkaline, and oil waste vent piping	0.25	2	•	
AFRZ - Antifreeze								
M	-	AFRZ	- PIPE	Anti-freeze piping	0.35	82		
M	-	AFRZ	- WAST	Waste anti-freeze piping	0.35	82		
ALGN - Alignments								
M	-	ALGN	- DATA	Alignment coordinates and curve data	0.35	3	•	
M	-	ALGN	- LINE	Alignments	0.25	2	•	
M	-	ALGN	- STAT	Alignment stationing and tick marks	0.35	3	•	
ANNO - General Information								
M	-	ANNO	- DIMS	Witness/extension lines, dimension terminators, dimension text	V	V		
M	-	ANNO	- KEYN	Reference keynotes with associated leaders	V	V		
M	-	ANNO	- LEGN	Legend & Schedule	V	V		
M	-	ANNO	- NOTE	General notes and general remarks	0.25	2	•	
M	-	ANNO	- NPLT	Non-plotting graphic information	0.50	5	•	
M	-	ANNO	- PATT	Miscellaneous patterning and hatching	0.35	8	•	
M	-	ANNO	- REDL	Redlines	0.18	1	•	
M	-	ANNO	- REFR	Reference files (AutoCAD users only, see Chapter 4)	NA	NA		
M	-	ANNO	- REVS	Revisions	0.35	4	•	
M	-	ANNO	- SYMB	Miscellaneous symbols	1.00	6	•	
M	-	ANNO	- TEXT	Miscellaneous text and callouts with associated leaders	V	V		
BRIN - Brine Systems								
M	-	BRIN	- EQPM	Brine system equipment	1.00	6	•	
M	-	BRIN	- PIPE	Brine system piping	0.25	2	•	
CHEM - Chemical Treatment System								
M	-	CHEM	- EQPM	Equipment	0.25	121		
M	-	CHEM	- PIPE	Piping (includes fittings, valves)	0.25	121		
CNDW - Condenser Water System CNTL								

Full Layer Name						Description	Line Width (mm)	Color	Modified	Notes
M	-	CNDW	-	EQPM		Condenser water equipment	0.35	82		
M	-	CNDW	-	PIPE		Condenser water piping	0.35	82		
COND - Condensate										
M	-	COND	-	PIPE		Condensate piping (includes fittings, valves)	0.35	3	•	
CONT - Controls										
M	-	CONT	-	THER		Thermostats, controls, instrumentation, and sensors	0.18	1	•	
M	-	CONT	-	WIRE		Low voltage wiring	0.18	1	•	
CWTR - Chilled Water System										
M	-	CWTR	-	EQPM		Equipment	0.35	122		
M	-	CWTR	-	PIPE		Piping (includes fittings, valves)	0.35	122		
DETL - Detail Information										
M	-	DETL	-	ACCS		Accessories	1.00	6	•	
M	-	DETL	-	BOIL		Boilers	0.35	4	•	
M	-	DETL	-	CABS		Cabinets	1.00	6	•	
M	-	DETL	-	COIL		Coils and fin tubes	0.18	1	•	
M	-	DETL	-	DUCT		Ducts	0.50	5	•	
M	-	DETL	-	EQPT		Equipment and fixtures	0.25	2	•	
M	-	DETL	-	FANS		Fans	0.35	3	•	
M	-	DETL	-	GENF		General features (miscellaneous items)	V	V		
M	-	DETL	-	GRLS		Grilles and louvers	0.35	3	•	
M	-	DETL	-	GRPH		Graphics, gridlines, non-text items	V	V		
M	-	DETL	-	INPD		Inch-pound-specific dimensions and notes	0.18	1	•	
M	-	DETL	-	INSL		Insulation and coverings	0.18	1	•	
M	-	DETL	-	METR		Metric-specific dimensions and notes	0.35	3	•	
M	-	DETL	-	MOTR		Motors	0.35	3	•	
M	-	DETL	-	PIPE		Piping	0.25	2	•	
M	-	DETL	-	PUMP		Pumps and compressors	0.35	3	•	
M	-	DETL	-	STRC		Structural support features	1.00	6	•	
M	-	DETL	-	TANK		Tanks	0.25	2	•	
M	-	DETL	-	TRAP		Traps and drains	0.35	3	•	
M	-	DETL	-	VENT		Vents	0.35	3	•	
M	-	DETL	-	VLVE		Valves and fittings	0.25	2	•	

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
M	-	DETL	-	WIRE	Electrical wiring	0.18	1	•	
DIAG - Diagram Information									
M	-	DIAG	-	GRPH	Graphics, gridlines, non-text items	V	V		
M	-	DIAG	-	INPD	Inch-pound-specific dimensions and notes	0.18	1	•	
M	-	DIAG	-	METR	Metric-specific dimensions and notes	0.35	3	•	
DISC - Other Discipline Information									
M	-	DISC	-	INFO	Clearances and working space information	0.35	3	•	
DUAL - Dual Temperature Systems									
M	-	DUAL	-	EQPM	Equipment	0.35	22		
M	-	DUAL	-	PIPE	Piping (includes fittings, valves)	0.35	22		
DUST - Dust and Fume Collection Systems									
M	-	DUST	-	DUCT	Dust and fume ductwork	0.35	22		
M	-	DUST	-	EQPM	Dust and fume collection equipment	0.35	22		
ELEV - Elevations									
M	-	ELEV	-	FIXT	Miscellaneous fixtures	1.00	6	•	
M	-	ELEV	-	IDEN	Component identification numbers	0.25	2	•	
M	-	ELEV	-	OTLN	Building outlines	1.00	6	•	
M	-	ELEV	-	PATT	Textures and hatch patterns	0.35	8	•	
M	-	ELEV	-	PFIX	Plumbing fixtures	1.00	6	•	
EXHS - Exhaust									
M	-	EXHS	-	CDFE	Exhaust air ceiling registers and grilles	0.35	82		
M	-	EXHS	-	DUCT	Exhaust ductwork	0.35	82		
M	-	EXHS	-	EQPM	Equipment	0.35	82		
FLOR - Floor Information									
M	-	FLOR	-	IDEN	Room name, space identification text (copied from Architectural - Floor Plan model file)	0.35	3	•	
M	-	FLOR	-	NUMB	Room/space identification number and symbol (copied from Architectural - Floor Plan model file)	0.35	3	•	
GTHP - Geothermal Heat Pump System									
M	-	GTHP	-	EQPM	Equipment	1.00	6	•	
M	-	GTHP	-	PIPE	Piping (includes fittings, valves)	1.00	6	•	
HTCW - HTCW Utilities									
M	-	HTCW	-	ABND	Abandoned piping	1.00	6	•	

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
M	-	HTCW	-	CHLL	Main chilled water piping	1.00	6	•	
M	-	HTCW	-	CHLP	Chilled water plant	1.00	6	•	
M	-	HTCW	-	CHLS	Chilled water service piping	0.35	3	•	
M	-	HTCW	-	DEVC	Rigid anchors, anchor guides, rectifiers, reducers, markers, meters, pumps, regulators, tanks, and valves	1.00	6	•	
M	-	HTCW	-	FLOW	Flow direction arrows	0.35	3	•	
M	-	HTCW	-	FTTG	Caps and flanges	1.00	6	•	
M	-	HTCW	-	HTPL	Main high temperature piping	0.18	1	•	
M	-	HTCW	-	HTPP	High temperature water plant	1.00	6	•	
M	-	HTCW	-	HTPS	High temperature service piping	0.35	3	•	
M	-	HTCW	-	IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
M	-	HTCW	-	JBOX	Junction boxes, manholes, handholes, test boxes	0.18	1	•	
M	-	HTCW	-	LTPL	Main low temperature piping	0.25	2	•	
M	-	HTCW	-	LTPS	Low temperature service piping	0.35	3	•	
M	-	HTCW	-	PITS	Valve pits/vaults, steam pits	0.35	3	•	
M	-	HTCW	-	PLNT - IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
M	-	HTCW	-	PUMP	Pump stations	1.00	6	•	
M	-	HTCW	-	RTRN	Return for all HTCW lines	0.50	5	•	
M	-	HTCW	-	STML	Main steam piping	0.18	1	•	
M	-	HTCW	-	STMS	Steam service piping	0.35	3	•	
M	-	HTCW	-	STNS - IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
HVAC - Heating, Ventilation and Air Conditioning									
M	-	HVAC	-	ACCS	Equipment access doors	0.35	3	•	
M	-	HVAC	-	CDFE	Ceiling diffusers, registers, and grilles	0.35	12		
M	-	HVAC	-	DAMP	Fire and smoke dampers	0.18	1	•	
M	-	HVAC	-	EQPM	Air system equipment	0.25	2	•	
M	-	HVAC	-	FDFE	Floor diffusers, registers, and grilles	0.35	162		
M	-	HVAC	-	IDEN	Duct sizes	1.00	6	•	
M	-	HVAC	-	RETN	Return ductwork	0.50	23		
M	-	HVAC	-	ROOF	Roof mounted HVAC equipment	0.25	2	•	
M	-	HVAC	-	SUPP	Supply ductwork	0.35	4	•	
M	-	HVAC	-	TAGS	Diffuser/register/grille tags and air flow arrows	1.00	6	•	

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
M	-	HVAC	-	WDFP	Wall diffusers, registers, and grilles	0.25	2	•	
HWTR - Hot Water Heating System									
M	-	HWTR	-	EQPM	Equipment	0.35	12		
M	-	HWTR	-	PIPE	Piping (includes fittings, valves)	0.35	12		
HYDR - Hydraulic									
M	-	HYDR	-	EQPM	Hydraulic system equipment	1.00	6	•	
M	-	HYDR	-	PIPE	Hydraulic system piping	0.25	2	•	
INSL - Insulating (transformer) Oil									
M	-	INSL	-	EQPM	Insulating oil equipment	1.00	6	•	
M	-	INSL	-	PIPE	Insulating oil piping	0.25	2	•	
LUBE - Lubrication Oil									
M	-	LUBE	-	EQPM	Lubrication oil equipment	1.00	6	•	
M	-	LUBE	-	PIPE	Lubrication oil piping	0.25	2	•	
MACH - Machine Design									
M	-	MACH	-	BASE	Machinery bases	0.25	2	•	
M	-	MACH	-	COMP	Miscellaneous machinery parts and components	0.25	2	•	
M	-	MACH	-	EXST	Existing machinery	0.35	3	•	
M	-	MACH	-	FAST	Fasteners, nuts, and bolts	0.25	2	•	
M	-	MACH	-	LROT	Large rotating machinery (turbine and pump outlines)	1.00	6	•	
M	-	MACH	-	MOTR	Machinery motors	1.00	6	•	
MATL - Material Handling									
M	-	MATL	-	CRAN	Bridge cranes, jib cranes, and monorails	0.25	2	•	
M	-	MATL	-	HOIS	Hoists and hooks	0.25	2	•	
M	-	MATL	-	LIFT	Miscellaneous lifting equipment	1.00	6	•	
PENE - Penetrations									
M	-	PENE	-	FLOR	Floor penetrations	0.35	3	•	
M	-	PENE	-	ROOF	Roof penetrations	0.18	1	•	
PROC - Process Piping									
M	-	PROC	-	EQPM	Equipment	1.00	6	•	
M	-	PROC	-	PIPE	Process piping	0.25	2	•	
RCOV - Energy Recovery System									
M	-	RCOV	-	EQPM	Equipment	1.00	6	•	
M	-	RCOV	-	PIPE	Piping (includes fittings, valves)	1.00	6	•	

Full Layer Name				Description	Line Width (mm)	Color	Modified	Notes
REFG - Refrigeration System								
M	-	REFG	- EQPM	Equipment	1.00	6	•	
M	-	REFG	- PIPE	Piping (includes fittings, valves)	1.00	6	•	
RWTR - Raw Water Piping								
M	-	RWTR	- EQPM	Raw water equipment	1.00	6	•	
M	-	RWTR	- PIPE	Raw water piping	0.25	2	•	
SECT - Sections								
M	-	SECT	- IDEN	Component identification numbers	0.25	2	•	
M	-	SECT	- MBND	Material beyond section cut	0.50	5	•	
M	-	SECT	- MCUT	Material cut by section	0.35	4	•	
M	-	SECT	- PATT	Textures and hatch patterns	0.35	8	•	
STAT - Demolition (used only in creating Existing Demolition model files)								
M	-	STAT	- DEMO	Demolition	1.00	6	•	
M	-	STAT	- DEMO - PHS1	Demolition - phase 1	0.50	203		
M	-	STAT	- DEMO - PHS2	Demolition - phase 2	0.50	83		
M	-	STAT	- DEMO - PHS3	Demolition - phase 3	0.50	163		
M	-	STAT	- EXST	Existing to remain	0.35	3	•	
M	-	STAT	- FUTR	Future work	0.25	2	•	
M	-	STAT	- MOVE	Items to be moved	1.00	6	•	
M	-	STAT	- NEWW	New work	0.35	4	•	
M	-	STAT	- NICN	Not in contract	0.35	8	•	
M	-	STAT	- PHS#	Phase numbers (#=1-9)	0.25	2	•	
M	-	STAT	- RELO	Relocated items	0.50	5	•	
M	-	STAT	- TEMP	Temporary work	0.35	4	•	
STEM - Steam								
M	-	STEM	- EQPM	Equipment	0.25	2	•	
M	-	STEM	- PIPE	Steam piping	0.25	2	•	

Full Layer Name				Description	Line Width (mm)	Color	Modified	Notes
ANNO - General Information								
P	-	ANNO	- DIMS	Witness/extension lines, dimension terminators, dimension text	V	V		
P	-	ANNO	- KEYN	Reference keynotes with associated leaders	V	V		
P	-	ANNO	- LEGN	Legend & Schedule	V	V		
P	-	ANNO	- NOTE	General notes and general remarks	0.25	2	•	
P	-	ANNO	- NPLT	Non-plotting graphic information	0.50	5	•	
P	-	ANNO	- PATT	Miscellaneous patterning and hatching	0.35	8	•	
P	-	ANNO	- REDL	Redlines	0.18	1	•	
P	-	ANNO	- REFR	Reference files (AutoCAD users only, see Chapter 4)	NA	NA		
P	-	ANNO	- REVS	Revisions	0.35	4	•	
P	-	ANNO	- SYMB	Reference bubbles, matchlines and breaklines	1.00	6	•	
P	-	ANNO	- TEXT	Detail title text, text and associated leaders, notes	V	V		
CMPA -								
P	-	CMPA	- EQPM	Equipment	0.70	84		
P	-	CMPA	- PIPE	Piping	0.50	83		
DETL - Detail Information								
P	-	DETL	- GRPH	Graphics, gridlines, non-text items	V	V		
P	-	DETL	- INPD	Inch-pound-specific dimensions and notes	0.25	2	•	
P	-	DETL	- METR	Metric-specific dimensions and notes	0.25	2	•	
DIAG - Diagram Information								
P	-	DIAG	- GRPH	Graphics, gridlines, non-text items	V	V		
P	-	DIAG	- INPD	Inch-pound-specific dimensions and notes	0.18	1	•	
P	-	DIAG	- METR	Metric-specific dimensions and notes	0.18	1	•	
DISC - Other Discipline Information								
P	-	DISC	- INFO	Information and notes for other disciplines	V	V		
DOMW - Domestic Water								
P	-	DOMW	- ACCS	Equipment access doors	0.35	82		
P	-	DOMW	- CPIP	Domestic cold water piping	0.50	123		
P	-	DOMW	- EQPM	Hot and cold water equipment	1.40	7	•	
P	-	DOMW	- FPIP	Domestic filtered water piping	0.50	83		

Full Layer Name				Description	Line Width (mm)	Color	Modified	Notes
P	-	DOMW	- HPIP	Domestic hot water piping	0.50	113		
P	-	DOMW	- RISR	Domestic hot and cold water risers	0.35	3	•	
P	-	DOMW	- RPIP	Domestic hot water recirculation piping	0.50	113		
FLOR - Floor Information								
P	-	FLOR	- IDEN	Room name, space identification text (copied from Architectural - Floor Plan model file)	0.35	3	•	
P	-	FLOR	- NUMB	Room/space identification number and symbol (copied from Architectural - Floor Plan model file)	0.35	3	•	
P	-	FLOR	- FIXT	Plumbing fixtures [toilets, urinals, lavatories, toilet partitions & specialties]	0.25	131	•	
FUEL - Liquid Fuel								
P	-	FUEL	- EQPM	Equipment	0.70	24		
P	-	FUEL	- FGAS	Fuel gas piping	0.50	23		
P	-	FUEL	- FOIL	Fuel oil piping	0.50	23		
P	-	FUEL	- NGAS	Natural gas piping	0.50	23		
LGAS - Laboratory Piping								
P	-	LGAS	- EQPM	Equipment	0.70	24		
P	-	LGAS	- PIPE	Piping	0.50	23		
MDGS - Medical/Dental Piping								
P	-	MDGS	- EQPM	Equipment	0.70	24		
P	-	MDGS	- PIPE	Piping	0.50	23		
PENE - Penetrations								

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
P	-	PENE	-	FLOR	Floor penetrations	0.35	3	•	
P	-	PENE	-	ROOF	Roof penetrations	0.18	1	•	
SANR - Sanitary Drainage Piping									
P	-	SANR	-	COND	Condensate piping	0.50	83		
P	-	SANR	-	EQPM	Equipment (e.g., sand/oil/water separators)	0.70	204		
P	-	SANR	-	FIXT	Plumbing fixtures	1.00	6	•	
P	-	SANR	-	FLDR	Floor drains, sinks, and cleanouts	1.00	6	•	
P	-	SANR	-	PIPE	Piping	0.50	203		
P	-	SANR	-	RISR	Sanitary risers	0.50	203		
P	-	SANR	-	VENT	Vent piping	0.50	203		
STAT - Demolition (used only in creating Existing Demolition model files)									
P	-	STAT	-	DEMO	Demolition	1.00	6	•	
P	-	STAT	-	DEMO - PHS1	Demolition - phase 1	0.50	203		
P	-	STAT	-	DEMO - PHS2	Demolition - phase 2	0.50	83		
P	-	STAT	-	DEMO - PHS3	Demolition - phase 3	0.50	163		
P	-	STAT	-	EXST	Existing to remain	0.35	3	•	
P	-	STAT	-	FUTR	Future work	0.25	2	•	
P	-	STAT	-	MOVE	Items to be moved	1.00	6	•	
P	-	STAT	-	NEWW	New work	0.35	4	•	
P	-	STAT	-	NICN	Not in contract	0.35	8	•	
P	-	STAT	-	PHS#	Phase numbers (#=1-9)	0.25	2	•	
P	-	STAT	-	RELO	Relocated items	0.50	5	•	
P	-	STAT	-	TEMP	Temporary work	0.35	4	•	
STRM - Storm Sewer									
P	-	STRM	-	PIPE	Storm drain piping	0.50	163		
P	-	STRM	-	RFDR	Roof drains	0.50	163		
P	-	STRM	-	RISR	Storm drain risers	0.50	163		

Full Layer Name				Description	Line Width (mm)	Color	Modified	Notes
ANNO - General Information								
S	-	ANNO	- DIMS	Witness/extension lines, dimension terminators, dimension text, welding symbols	V	V		
S	-	ANNO	- KEYN	Reference keynotes with associated leaders	V	V		
S	-	ANNO	- LEGN	Legend & Schedule	V	V		
S	-	ANNO	- NOTE	General notes and general remarks	0.25	2	•	
S	-	ANNO	- NPLT	Non-plotting graphic information	0.50	5	•	
S	-	ANNO	- PATT	Miscellaneous patterning and hatching	0.35	8	•	
S	-	ANNO	- REDL	Redlines	0.18	1	•	
S	-	ANNO	- REFR	Reference files (AutoCAD users only, see Chapter 4)	NA	NA		
S	-	ANNO	- REVS	Revisions	0.35	4	•	
S	-	ANNO	- SYMB	Reference bubbles, matchlines and breaklines	1.00	6	•	
S	-	ANNO	- TEXT	Miscellaneous text and callouts with associated leaders	V	V		
BEAM - Beam								
S	-	BEAM	- CNTR	Beam centerlines	0.50	5	•	
S	-	BEAM	- PRIM	Primary beams, girders	0.35	4	•	
S	-	BEAM	- SECD	Secondary beams, girders	1.00	6	•	
BRAC - Bracing								
S	-	BRAC	- LATL	Lateral bracing	0.25	2	•	
S	-	BRAC	- SHEA	Shear walls	0.25	2	•	
S	-	BRAC	- VERT	Vertical bracing	0.25	2	•	
COLS - Columns								
S	-	COLS		Columns (unattached to walls)	0.25	2	•	
S	-	COLS	- CNTR	Column centerlines/working lines	0.18	10		
S	-	COLS	- MSC1	Miscellaneous columns (Type 1)	0.35	22		
S	-	COLS	- MSC2	Miscellaneous columns (Type 2)	0.35	22		
S	-	COLS	- MSC3	Miscellaneous columns (Type 3)	0.35	22		
S	-	COLS	- MSC4	Miscellaneous columns (Type 4)	0.35	22		
S	-	COLS	- PRIM	Primary columns	1.00	6	•	
S	-	COLS	- SCND	Secondary columns	0.25	2	•	

Full Layer Name				Description	Line Width (mm)	Color	Modified	Notes
DECK - Deck								
S	-	DECK	- FLOR	Floor deck	0.35	3	•	
S	-	DECK	- OPEN	Openings and penetrations	0.18	1	•	
S	-	DECK	- RBAR	Deck/slab reinforcing	1.40	7	•	
S	-	DECK	- ROOF	Roof deck	0.35	3	•	
DETL - Detail Information								
S	-	DETL	- GRPH	Graphics, gridlines, non-text items	V	V		
S	-	DETL	- INPD	Inch-pound-specific dimensions and notes	0.25	2	•	
S	-	DETL	- METR	Metric-specific dimensions and notes	0.25	2	•	
FEAT - Features								
S	-	FEAT	- CMUW	CMU outline (no patterning)	0.25	2	•	
S	-	FEAT	- CNTR	Feature centerlines	0.50	5	•	
S	-	FEAT	- CONC	Concrete outline (no patterning)	1.00	6	•	
S	-	FEAT	- GENL	General features (miscellaneous items)	1.00	6	•	
S	-	FEAT	- WOOD	Wood outline (no patterning)	0.25	2	•	
FNDN - Foundation								
S	-	FNDN	- CNTR	Beam centerlines	0.50	5	•	
S	-	FNDN	- FTNG	Footings	0.35	4	•	
S	-	FNDN	- GRBM	Grade beams	0.35	4	•	
S	-	FNDN	- PEDS	Column pedestals	0.35	4	•	
S	-	FNDN	- PILE	Piles (steel sheet, concrete, wood), piers, caisson piers, drilled piers	0.25	2	•	
S	-	FNDN	- RBAR	Foundation reinforcing	1.40	7	•	
GRAT - Grating GRDL								
S	-	GRAT	- ELEV	Elevated grating (catwalks)	0.35	3	•	
S	-	GRAT	- FLOR	Floor grating	0.35	3	•	
S	-	GRAT	- SUBS	Subsurface grating	0.35	3	•	
GRDL - Grade Lines								
S	-	GRDL	- EXGL	Existing ground	0.35	3	•	
S	-	GRDL	- FNDR	Finished grade	0.25	2	•	
S	-	GRDL	- WATR	Water surface	0.35	3	•	
GRID - Grid Lines								
S	-	GRID		Grid lines	0.50	5	•	
S	-	GRID	- DIMS	Grid line dimensions	0.18	1	•	
S	-	GRID	- HORZ	Primary grid lines (horizontal)	0.50	5	•	

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
S	-	GRID	-	IDEN	Column I.D. tags	0.18	1	•	
S	-	GRID	-	MSC1	Miscellaneous grid lines (Type 1)	0.35	8	•	
S	-	GRID	-	MSC2	Miscellaneous grid lines (Type 2)	0.35	8	•	
S	-	GRID	-	MSC3	Miscellaneous grid lines (Type 3)	0.35	8	•	
S	-	GRID	-	MSC4	Miscellaneous grid lines (Type 4)	0.35	8	•	
S	-	GRID	-	VERT	Primary grid lines (vertical)	0.50	5	•	
JOIN - Joints									
S	-	JOIN	-	CNST	Construction joints	0.35	3	•	
S	-	JOIN	-	CTRL	Control/expansion joints	0.18	1	•	
JOIS - Open Web Joists									
S	-	JOIS	-	BRDG	Bridging	0.18	1	•	
S	-	JOIS	-	PRIM	Primary joists	0.35	4	•	
S	-	JOIS	-	SECD	Secondary joists	1.00	6	•	
METL - Miscellaneous Metal									
S	-	METL	-	MISC	Miscellaneous metal	1.00	6	•	
OPEN - Openings									
S	-	OPEN	-	MISC	Openings and penetrations	0.18	1	•	
PADS - Pads (Arm/Disarm, Calibrations, etc.)									
S	-	PADS	-	EQPM	Equipment pads	1.00	6	•	
PIPE - Piping									
S	-	PIPE	-	GATE	Gates (flap gates, sluice gates, other)	0.35	3	•	
S	-	PIPE	-	MISC	Miscellaneous piping/culverts	0.25	2	•	
S	-	PIPE	-	TRSH	Trash racks	0.35	3	•	
REIN - Reinforcing									
S	-	REIN	-	RBAR	Rebar, welded wire mesh	1.40	7	•	
SAFE - Safety Barriers									
S	-	SAFE	-	FENC	Fencing	0.35	3	•	
S	-	SAFE	-	HRAL	Handrails	0.35	3	•	
SECT - Sections									
S	-	SECT	-	CMUW	CMU outline (no patterning)	0.25	2	•	
S	-	SECT	-	CNTR	Centerlines	0.50	5	•	
S	-	SECT	-	CONC	Concrete outline (no patterning)	1.00	6	•	
S	-	SECT	-	FNGR	Finished grade	0.25	2	•	
S	-	SECT	-	GENF	General features (miscellaneous items)	1.00	6	•	

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
S	-	SECT	-	JOIN	Joint materials (e.g., felt), vapor barrier, other	0.18	1	•	
S	-	SECT	-	MISC	Miscellaneous fasteners, anchor bolts, supports	0.35	3	•	
S	-	SECT	-	PRIM	Primary beams/girders outlines	0.35	4	•	
S	-	SECT	-	RBAR	Rebar, welded wire mesh	1.40	7	•	
S	-	SECT	-	SHPS	Miscellaneous shapes, plates	0.35	3	•	
S	-	SECT	-	STLS	Wide flange shapes, plates, open web joists, decking	0.35	3	•	
S	-	SECT	-	WOOD	Wood outline (no patterning)	0.25	2	•	
SLAB - Slabs									
S	-	SLAB	-	EDGE	Edge of slab	0.25	2	•	
S	-	SLAB	-	OPEN	Openings and penetrations	0.18	1	•	
S	-	SLAB	-	RBAR	Slab reinforcing	1.40	7	•	
SPPT - Miscellaneous Supports									
S	-	SPPT	-	MISC	Miscellaneous fasteners, anchor bolts, supports	0.35	3	•	
S	-	SPPT	-	SHPS	Miscellaneous shapes, plates	0.35	3	•	
STAT - Demolition (used only in creating Existing Demolition model files)									
S	-	STAT	-	DEMO	Demolition	1.00	6	•	
S	-	STAT	-	DEMO	- PHS1	Demolition - phase 1	0.50	203	
S	-	STAT	-	DEMO	- PHS2	Demolition - phase 2	0.50	83	
S	-	STAT	-	DEMO	- PHS3	Demolition - phase 3	0.50	163	
S	-	STAT	-	EXST	Existing to remain	0.25	91		
S	-	STAT	-	FUTR	Future work	0.25	2	•	
S	-	STAT	-	MOVE	Items to be moved	1.00	6	•	
S	-	STAT	-	NEWW	New work	0.35	4	•	
S	-	STAT	-	NICN	Not in contract	0.35	8	•	
S	-	STAT	-	PHS#	Phase numbers (#=1-9)	0.25	2	•	
S	-	STAT	-	RELO	Relocated items	0.50	5	•	
S	-	STAT	-	TEMP	Temporary work	0.35	4	•	
STRS - Stairs and Elevators									
S	-	STRS	-	FRAM	Stair/elevator framing	1.00	6	•	

Full Layer Name				Description	Line Width (mm)	Color	Modified	Notes
S	-	STRS	- LADD	Ladders, ladder handrails, safety guard, grab bars	0.35	3	•	
S	-	STRS	- RBAR	Stair reinforcing	1.40	7	•	
TRUS - Trusses								
S	-	TRUS	- PRIM	Primary trusses	0.35	4	•	
S	-	TRUS	- SECD	Secondary trusses	1.00	6	•	
WALL - Walls								
S	-	WALL	- CONC	Concrete walls	0.25	2	•	
S	-	WALL	- HBAR	Horizontal/secondary reinforcement	0.35	4	•	
S	-	WALL	- LOAD	Load bearing CMU walls	0.25	2	•	
S	-	WALL	- NONL	Non-load bearing CMU walls	1.00	6	•	
S	-	WALL	- OPEN	Openings and penetrations	0.18	1	•	
S	-	WALL	- OTLN	Wall outline	0.25	2	•	
S	-	WALL	- PCST	Precast walls	0.25	2	•	
S	-	WALL	- RBAR	Wall reinforcing	1.40	7	•	
S	-	WALL	- STUD	Stud walls	0.25	2	•	
S	-	WALL	- VBAR	Vertical/primary reinforcement	0.35	4	•	

Full Layer Name				Description	Line Width (mm)	Color	Modified	Notes
ALRM - Fire Alarm / Detection Equipment								
T	-	ALRM	- IDEN	Identifier tags, symbol modifier, and text	0.18	1	•	
T	-	ALRM	- SYST	Miscellaneous alarm system symbols	1.00	6	•	
ANNO - General Information								
T	-	ANNO	- DIMS	Witness/extension lines, dimension terminators, dimension text	V	V		
T	-	ANNO	- KEYN	Reference keynotes with associated leaders	V	V		
T	-	ANNO	- LEGN	Legend & Schedule	V	V		
T	-	ANNO	- NOTE	General notes and general remarks	0.25	2	•	
T	-	ANNO	- NPLT	Non-plotting graphic information	0.50	5	•	
T	-	ANNO	- PATT	Miscellaneous patterning and hatching	0.35	8	•	
T	-	ANNO	- REDL	Redlines	0.18	1	•	
T	-	ANNO	- REFR	Reference files (AutoCAD users only, see Chapter 4)	NA	NA		
T	-	ANNO	- REVS	Revisions	0.35	4	•	
T	-	ANNO	- SYMB	Miscellaneous symbols	1.00	6	•	
T	-	ANNO	- TEXT	Miscellaneous text and callouts with associated leaders	V	V		
CABL - Cable System								
T	-	CABL	- COAX	Coax cable	0.50	83		
T	-	CABL	- FIBR	Fiber optics cable	0.50	83		
T	-	CABL	- IDEN	Cable identifiers	0.25	2	•	
T	-	CABL	- MULT	Multi-conductor cable	0.50	83		
T	-	CABL	- TRAY	Cable trays and wireways	0.50	203		
CLOK - Clock System								
T	-	CLOK	- IDEN	Identifier tags, symbol modifier, and text	0.18	1	•	
T	-	CLOK	- SYST	Clock system symbols	1.00	6	•	
COMM - Communications								
T	-	COMM	- APSY	Audio paging system	0.35	V		
T	-	COMM	- ATMS	Advanced traffic management system	0.35	V		
T	-	COMM	- AVID	Automatic vehicle identification system	0.35	V		
T	-	COMM	- BIDS	Baggage information display system	0.35	V		
T	-	COMM	- FIDS	Flight information display system	0.35	V		
T	-	COMM	- GISY	Gate information system	0.35	V		

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
T	-	COMM	-	JBOX	Junction boxes	0.50	83		
T	-	COMM	-	PMRC	Parking management and revenue control	0.35	V		
T	-	COMM	-	VPSY	Visual paging system	0.35	V		
DIAG - Diagram Information									
T	-	DIAG	-	GRPH	Graphics, gridlines, non-text items	V	V		
T	-	DIAG	-	IDEN	Identifier tags, symbol modifier and text	0.25	2	•	
T	-	DIAG	-	INPD	Inch-pound-specific dimensions and notes	0.25	2	•	
T	-	DIAG	-	METR	Metric-specific dimensions and notes	0.25	2	•	
DISC - Other Discipline Information									
T	-	DISC	-	INFO	Information and notes for other disciplines	V	V		
EQPM - Equipment									
T	-	EQPM	-	COMB	Distribution equipment for both copper and fiber optics	0.35	4	•	
T	-	EQPM	-	COPP	Distribution equipment for copper	0.35	4	•	
T	-	EQPM	-	FIBR	Distribution equipment for fiber optic	0.35	4	•	
T	-	EQPM	-	OTHR	Other telecommunications equipment	0.35	4	•	
T	-	EQPM	-	RELA	Relays, resistors, capacitors, and inducers	0.35	4	•	
FLOR - Floor Information									
T	-	FLOR	-	IDEN	Room name, space identification text (copied from Architectural - Floor Plan model file)	0.35	3	•	
T	-	FLOR	-	NUMB	Room/space identification number and symbol (copied from Architectural - Floor Plan model file)	0.35	3	•	
JACK - Jacks									
T	-	JACK	-	COMB	Combination telephone and data/LAN jacks	0.50	203		
T	-	JACK	-	DATA	Data/LAN jacks	0.50	203		
T	-	JACK	-	IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
T	-	JACK	-	PHON	Telephone jacks	0.50	203		
NURS - Nurse Call / Paging System									
T	-	NURS	-	IDEN	Identifier tags, symbol modifier, and text	0.18	1	•	
T	-	NURS	-	SYST	Nurse call system symbols	1.00	6	•	
SOUN - Sound Systems									
T	-	SOUN	-	IDEN	Identifier tags, symbol modifier, and text	0.18	1	•	
T	-	SOUN	-	SYST	Sound system symbols	1.00	6	•	

Full Layer Name						Description	Line Width (mm)	Color	Modified	Notes		
STAT - Demolition (used only in creating Existing Demolition model files)												
T	-	STAT	-	DEMO	-	PHS1		Demolition - phase 1	0.50	203		
T	-	STAT	-	DEMO	-	PHS2		Demolition - phase 2	0.50	83		
T	-	STAT	-	DEMO	-	PHS3		Demolition -phase 3	0.50	163		

Full Layer Name				Description	Line Width (mm)	Color	Modified	Notes
AERI - Aerial Survey								
V	-	AERI	- BNDY	Aerial photography boundaries	1.00	6	•	
V	-	AERI	- INDX	Aerial photo index	1.40	7	•	
V	-	AERI	- PATH	Aerial flight lines/paths	0.35	22		
AIRF - Airfield								
V	-	AIRF	- DEVC	Capacitors, voltage regulators, motors, buses, generators, meters, grounds, and markers	1.00	6	•	
V	-	AIRF	- DUCT	Ductbanks	0.35	3	•	
V	-	AIRF	- JBOX	Junction boxes, pull boxes, manholes, handholes, pedestals, splices	0.18	1	•	
ALGN - Alignments								
V	-	ALGN	- DATA	Alignment coordinates and curve data	0.35	3	•	
V	-	ALGN	- LINE	Alignments	0.25	2	•	
V	-	ALGN	- MARK	Alignment tick marks	0.35	3	•	
V	-	ALGN	- STAT	Alignment stationing and tick marks	0.35	3	•	
ANNO - General Information								
V	-	ANNO	- DIMS	Witness/extension lines, dimension terminators, dimension text	V	V		
V	-	ANNO	- KEYN	Reference keynotes with associated leaders	V	V		
V	-	ANNO	- LEGN	Legend & Schedule	V	V		
V	-	ANNO	- NOTE	General notes and general remarks	0.25	2	•	
V	-	ANNO	- NPLT	Non-plotting graphic information	0.50	5	•	
V	-	ANNO	- PATT	Miscellaneous patterning and hatching	0.35	8	•	
V	-	ANNO	- REDL	Redlines	0.18	1	•	
V	-	ANNO	- REFR	Reference files (AutoCAD users only, see Chapter 4)	NA	NA		
V	-	ANNO	- REVS	Revisions	0.35	4	•	
V	-	ANNO	- SYMB	Miscellaneous symbols	1.00	6	•	
V	-	ANNO	- TEXT	Miscellaneous text and callouts with associated leaders	V	V		
BCNS - Beacons								
V	-	BCNS	- IDEN	Identifier tags, symbol modifier, and text	1.00	6	•	

Full Layer Name				Description	Line Width (mm)	Color	Modified	Notes
V	-	BCNS	- MISC	Miscellaneous nav aids - windcones and beacons	1.00	6	•	
V	-	BCNS	- STRB	Strobe beacons	1.00	6	•	
BLDG - Buildings								
V	-	BLDG	- IDEN	Building and other structure annotation	0.25	2	•	
V	-	BLDG	- OTLN	Buildings and other structures	1.40	7	•	
CATH - Cathodic Protection System								
V	-	CATH	- ANOD	Sacrificial anode system	0.25	161		
V	-	CATH	- CURR	Impress current system	0.25	161		
V	-	CATH	- IDEN	Identifier tags, symbol modifier, and text	0.25	161		
V	-	CATH	- TEST	Test stations	0.25	161		
CHAN - Channels (waterway)								
V	-	CHAN	- AIDS	Navigation aids and text	0.25	2	•	
V	-	CHAN	- CNTR	Channel centerline and survey report lines	0.50	5	•	
V	-	CHAN	- CNTR - IDEN	Channel centerline and survey report lines - annotation	0.50	5	•	
V	-	CHAN	- DA CL	De-authorized channel limits, anchorages, etc.	0.35	3	•	
V	-	CHAN	- DA CL - IDEN	De-authorized channel limits, anchorages, etc. - annotation	0.35	3	•	
V	-	CHAN	- IDEN	Channel limits, anchorages, turning basins, disposal areas, etc. - annotation	1.00	6	•	
V	-	CHAN	- LIMT	Channel limits, anchorages, turning basins, disposal areas, etc.	1.00	6	•	
CIRC - Circuits								
V	-	CIRC	- CTRL	Control and monitoring circuits	0.35	12		
V	-	CIRC	- IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
V	-	CIRC	- MULT	Multiple circuits	0.35	22		
V	-	CIRC	- SERS	Series circuits	0.35	82		
COMM - Communications								
V	-	COMM	- EQPM	Other communications distribution equipment	0.25	21		
V	-	COMM	- JBOX	Communication junction boxes, pull boxes, manholes, handholes, pedestals, splices	0.25	21		
V	-	COMM	- OVHD	Overhead communications/telephone lines	0.25	81		

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes	
V	-	COMM	-	OVHD	IDEN	Identifier tags, symbol modifier and text	0.25	81		
V	-	COMM	-	UNDR		Underground communications/telephone lines	0.25	81		
V	-	COMM	-	UNDR	-	IDEN	Identifier tags, symbol modifier and text	0.25	81	
V	-	COMM	-	VALT		Communications vault	0.25	21		
DOMW - Domestic Water										
V	-	DOMW	-	ABND		Abandoned piping	1.00	6	•	
V	-	DOMW	-	DEVC		Connectors, faucets, reducers, regulators, vents, intake points, tanks, taps, backflow preventers, and valves	1.00	6	•	
V	-	DOMW	-	FIRE		Fire lines	0.18	1	•	
V	-	DOMW	-	FTTG		Caps, cleanouts, crosses, and tees	1.00	6	•	
V	-	DOMW	-	HYDR		Hydrants	0.18	1	•	
V	-	DOMW	-	IDEN		Identifier tags, symbol modifier, and text	0.25	2	•	
V	-	DOMW	-	MAIN		Main domestic water piping	1.00	6	•	
V	-	DOMW	-	METR		Meters	0.35	3	•	
V	-	DOMW	-	NHYD		Non-potable hydrants/flushing hydrants	0.18	1	•	
V	-	DOMW	-	NPOT		Non-potable water piping	1.00	6	•	
V	-	DOMW	-	PITS	-	IDEN	Identifier tags, symbol modifier, and text	0.18	1	•
V	-	DOMW	-	PUMP		Booster pump stations	1.00	6	•	
V	-	DOMW	-	REDC		Pressure reducing stations	1.00	6	•	
V	-	DOMW	-	RSVR		Reservoirs	0.18	1	•	
V	-	DOMW	-	RSVR	-	IDEN	Identifier tags, symbol modifier, and text	0.18	1	•
V	-	DOMW	-	SERV		Domestic water service piping	1.00	6	•	
V	-	DOMW	-	SIGN		Surface markers/signs	0.18	1	•	
V	-	DOMW	-	STNS	-	IDEN	Identifier tags, symbol modifier, and text	0.25	2	•
V	-	DOMW	-	TANK		Water storage tanks	0.18	1	•	
V	-	DOMW	-	VENT		Vent pits	0.35	3	•	
V	-	DOMW	-	VLVE		Valve pits/vaults	0.35	3	•	
V	-	DOMW	-	WELL		Water well houses	0.18	1	•	
DUCT - Underground Duct Bank (to be used when multiple systems are in one ductbank system)										
V	-	DUCT	-	MULT		Ductbank	0.25	201		
V	-	DUCT	-	MULT	-	IDEN	Identifier tags, symbol modifier and text	0.25	201	
ELEC - Electrical Support Equipment										

Full Layer Name						Description	Line Width (mm)	Color	Modified	Notes
V	-	ELEC	-	DEVC		Capacitors, voltage regulators, motors, buses, generators, meters, grounds, and markers	0.25	21		
V	-	ELEC	-	JBOX		Junction boxes, pull boxes, manholes, handholes, pedestals, splices	0.25	21		
V	-	ELEC	-	SUBS		Other substation equipment	0.25	21		
V	-	ELEC	-	SWCH		Fuse cutouts, pole mounted switches, circuit breakers, gang operated disconnects, reclosers, cubicle switches	0.25	21		
V	-	ELEC	-	VALT		Vaults	0.25	21		
FUEL - Liquid Fuel										
V	-	FUEL	-	ABND		Abandoned piping	1.00	6	•	
V	-	FUEL	-	DEFL		Defueling piping	1.00	6	•	
V	-	FUEL	-	DEVC		Air eliminators, filter strainers, hydrant fill points, line vents, markers, oil/water separators, reducers, regulators, and valves	1.00	6	•	
V	-	FUEL	-	FLOW		Flow direction arrows	1.00	6	•	
V	-	FUEL	-	FTTG		Caps, crosses, and tees	1.00	6	•	
V	-	FUEL	-	HYDR		Hydrant control pits	0.35	3	•	
V	-	FUEL	-	IDEN		Identifier tags, symbol modifier, and text	0.25	2	•	
V	-	FUEL	-	JBOX		Junction boxes, manholes, handholes, test boxes	0.18	1	•	
V	-	FUEL	-	MAIN		Main fuel piping	1.00	6	•	
V	-	FUEL	-	METR		Meters	0.35	3	•	
V	-	FUEL	-	PITS	- IDEN	Identifier tags, symbol modifier, and text	0.18	1	•	
V	-	FUEL	-	PUMP		Booster pump stations	1.00	6	•	
V	-	FUEL	-	SERV		Service piping	1.00	6	•	
V	-	FUEL	-	STNS		Identifier tags, symbol modifier, and text	0.25	2	•	
V	-	FUEL	-	TANK		Fuel tanks	0.35	3	•	
V	-	FUEL	-	TRCH		Fuel line trench	0.35	3	•	
V	-	FUEL	-	VENT		Vent pits	0.35	3	•	
V	-	FUEL	-	VLVE		Valve pits	0.35	3	•	
GRAD - Grade Linework										
V	-	GRAD	-	EXST		Existing grade, ground line	1.00	6	•	
V	-	GRAD	-	FNSH		Finished grade	0.35	4	•	

Full Layer Name				Description	Line Width (mm)	Color	Modified	Notes
GRID - Grid Lines								
V	-	GRID	- FRAM	Frame	0.35	4	•	
V	-	GRID	- MAJR	Major grid lines	0.18	1	•	
V	-	GRID	- MINR	Minor grid lines	0.35	8	•	
V	-	GRID	- TEXT	Border text, annotation	0.25	2	•	
GTHP - Geothermal Heat Pump System								
V	-	GTHP	- EQPM	Equipment	1.00	6	•	
V	-	GTHP	- PIPE	Piping (includes fittings, valves)	1.00	6	•	
HTCW - HTCW Utilities								
V	-	HTCW	- ABND	Abandoned piping	1.00	6	•	
V	-	HTCW	- CHLL	Main chilled water piping	1.00	6	•	
V	-	HTCW	- CHLP	Chilled water plant	1.00	6	•	
V	-	HTCW	- CHLS	Chilled water service piping	0.35	3	•	
V	-	HTCW	- DEVC	Rigid anchors, anchor guides, rectifiers, reducers, markers, meters, pumps, regulators, tanks, and valves	1.00	6	•	
V	-	HTCW	- FLOW	Flow direction arrows	0.35	3	•	
V	-	HTCW	- FTTG	Caps and flanges	1.00	6	•	
V	-	HTCW	- HTPL	Main high temperature piping	0.18	1	•	
V	-	HTCW	- HTPP	High temperature water plant	1.00	6	•	
V	-	HTCW	- HTPS	High temperature service piping	0.35	3	•	
V	-	HTCW	- IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
V	-	HTCW	- JBOX	Junction boxes, manholes, handholes, test boxes	0.18	1	•	
V	-	HTCW	- LTPL	Main low temperature piping	0.25	2	•	
V	-	HTCW	- LTPS	Low temperature service piping	0.35	3	•	
V	-	HTCW	- PITS	Valve pits/vaults, steam pits	0.35	3	•	
V	-	HTCW	- PLNT - IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
V	-	HTCW	- PUMP	Pump stations	1.00	6	•	
V	-	HTCW	- RTRN	Return for all HTCW lines	0.50	5	•	
V	-	HTCW	- STML	Main steam piping	0.18	1	•	
V	-	HTCW	- STMS	Steam service piping	0.35	3	•	
V	-	HTCW	- STNS - IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
INDW - Industrial Waste Water								
V	-	INDW	- ABND	Abandoned piping	1.00	6	•	

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
V	-	INDW	-	DEVC	Grit chambers, meters, flumes, neutralizers, oil/water separators, ejectors, tanks, and valves	1.00	6	•	
V	-	INDW	-	FLOW	Flow direction arrows	1.00	6	•	
V	-	INDW	-	FTTG	Caps and cleanouts	1.00	6	•	
V	-	INDW	-	IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
V	-	INDW	-	JBOX	Junction boxes and manholes	0.18	1	•	
V	-	INDW	-	LAGN	Lagoons	1.00	6	•	
V	-	INDW	-	LIFT	Lift stations	1.00	6	•	
V	-	INDW	-	MAIN	Main industrial waste water piping	1.00	6	•	
V	-	INDW	-	PLNT	Treatment plants	1.00	6	•	
V	-	INDW	-	RSVR - IDEN	Identifier tags, symbol modifier, and text	1.00	6	•	
V	-	INDW	-	SERV	Industrial waste water service piping	0.18	1	•	
V	-	INDW	-	SIGN	Surface markers/signs	0.18	1	•	
V	-	INDW	-	STNS - IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
LITE - Lights									
V	-	LITE	-	APPR	Approach lights	1.00	6	•	
V	-	LITE	-	DIST	Distance and arresting gear markers	1.00	6	•	
V	-	LITE	-	FIXT	Exterior Lights	0.25	121		
V	-	LITE	-	FIXT - IDEN	Identifier tags, symbol modifier, and text	0.25	121		
V	-	LITE	-	LANE	Hoverlane, taxilane, and helipad lights	1.00	6	•	
V	-	LITE	-	OBST	Obstruction lights	0.25	2	•	
V	-	LITE	-	RUNW	Runway lights	1.00	6	•	
V	-	LITE	-	RUNW - CNTL	Runway Centerline lights	1.00	6	•	
V	-	LITE	-	RUNW - TDZN	Runway Touchdown Zone lights	1.00	6	•	
V	-	LITE	-	SIGN	Taxiway guidance signs	1.00	6	•	
V	-	LITE	-	TAXI	Taxiway lights	1.00	6	•	
V	-	LITE	-	THRS	Threshold lights	1.00	6	•	
NGAS - Natural Gas									
V	-	NGAS	-	ABND	Abandoned piping	1.00	6	•	
V	-	NGAS	-	DEVC	Hydrant fill points, lights, vents, markers, rectifiers, reducers, regulators, sources, tanks, drip pots, taps, and valves	1.00	6	•	
V	-	NGAS	-	DEVC - IDEN	Identifier tags, symbol modifier, and text	1.00	6	•	
V	-	NGAS	-	FLOW	Flow direction arrows	1.00	6	•	

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
V	-	NGAS	-	FTTG	Caps, crosses, and tees	1.00	6	•	
V	-	NGAS	-	IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
V	-	NGAS	-	MAIN	Main natural gas piping	1.00	6	•	
V	-	NGAS	-	METR	Meters	0.35	3	•	
V	-	NGAS	-	PITS - IDEN	Identifier tags, symbol modifier, and text	0.18	1	•	
V	-	NGAS	-	PUMP	Compressor stations	1.00	6	•	
V	-	NGAS	-	REDC	Reducing stations	1.00	6	•	
V	-	NGAS	-	SERV	Service piping	0.18	1	•	
V	-	NGAS	-	SIGN	Surface markers/signs	0.18	1	•	
V	-	NGAS	-	STNS - IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
V	-	NGAS	-	VENT	Vent pits	0.35	3	•	
V	-	NGAS	-	VLVE	Valve pits/boxes	0.35	3	•	
POLE - Utility Poles									
V	-	POLE	-	GUYS	Guying equipment	0.35	3	•	
V	-	POLE	-	GUYS - IDEN	Guying equipment identifier tags, symbol modifiers, and text	0.35	3	•	
V	-	POLE	-	IDEN	Utility pole identifier tags, symbol modifier, and text	0.35	3	•	
V	-	POLE	-	UTIL	Utility poles	0.35	3	•	
PRIM - Primary Electrical Cables									
V	-	PRIM	-	OVHD	Overhead electrical utility lines	0.18	1	•	
V	-	PRIM	-	OVHD - IDEN	Identifier tags, symbol modifier, and text	0.18	1	•	
V	-	PRIM	-	UNDR	Underground electrical utility lines	0.18	1	•	
V	-	PRIM	-	UNDR - IDEN	Identifier tags, symbol modifier, and text	0.18	1	•	
PROF - Profile									
V	-	PROF	-	CUID	Existing grade and grading cuts - annotation	0.18	1	•	
V	-	PROF	-	FILL	New work, grading fills	0.35	3	•	
V	-	PROF	-	INLT	Curb and surface inlets, catch basins	0.35	3	•	
V	-	PROF	-	MHOL	Manholes	0.18	1	•	
V	-	PROF	-	PIPE	Piping	1.00	6	•	
V	-	PROF	-	ROAD	Roads	0.25	2	•	
PROP - Property									
V	-	PROP	-	BRNG	Bearings and distance labels	1.00	6	•	
V	-	PROP	-	CNTY	County Boundary	1.00	6	•	
V	-	PROP	-	ESMT	Government easements/property lines	0.35	4	•	

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
V	-	PROP	-	IDEN	Property annotation	1.00	6	•	
V	-	PROP	-	LEAS	Lease line (surveyed)	1.00	6	•	
V	-	PROP	-	LINE	Property lines (Existing recorded plats)	0.25	2	•	
V	-	PROP	-	LUSE	Land Use Area	1.00	6	•	
V	-	PROP	-	MUNI	Municipal Boundary	1.00	6	•	
V	-	PROP	-	QTRS	Quarter lines	1.00	6	•	
V	-	PROP	-	RWAY	Right of ways	1.40	7	•	
V	-	PROP	-	SECT	Section lines	1.00	6	•	
V	-	PROP	-	STAT	State Boundary	1.00	6	•	
V	-	PROP	-	SXTS	Sixteenth lines (40 lines)	1.00	6	•	
V	-	PROP	-	ZONG	Zoning Areas	1.00	6	•	
PVMT - Pavements/Transportation									
V	-	PVMT	-	IDEN	Road, parking lot, railroad, airfield pavement annotation	0.25	2	•	
V	-	PVMT	-	MRKG	Pavement markings	0.25	2	•	
V	-	PVMT	-	PATT	Joint patterns, text and dimensions	0.25	2	•	
V	-	PVMT	-	ROAD	Roads, parking lots, railroads, airfield pavements	0.25	2	•	
SECD - Secondary Electrical Cables									
V	-	SECD	-	OVHD	Overhead electrical utility lines	0.25	61		
V	-	SECD	-	OVHD	Identifier tags, symbol modifier, and text	0.25	61		
V	-	SECD	-	UNDR	Underground electrical utility lines	0.25	61		
V	-	SECD	-	UNDR	Identifier tags, symbol modifier, and text	0.25	61		
SECT - Sections									
V	-	SECT	-	IDEN	Component identification numbers	0.25	2	•	
V	-	SECT	-	MBND	Material beyond section cut	0.50	5	•	
V	-	SECT	-	MCUT	Material cut by section	0.35	4	•	
V	-	SECT	-	PATT	Textures and hatch patterns	0.35	8	•	
SITE - Site									
V	-	SITE	-	EROS	Riprap, revetments/stone protection, breakwaters, dikes, jetties, and drains	0.18	1	•	
V	-	SITE	-	EWAT	Water features	0.35	162		
V	-	SITE	-	FENC	Fences and handrails	1.00	6	•	
V	-	SITE	-	FENC	Fence, handrail, ramp, and trail annotation	1.00	6	•	
V	-	SITE	-	IDEN	Existing site feature/structure annotation	1.00	6	•	

Full Layer Name						Description	Line Width (mm)	Color	Modified	Notes
V	-	SITE	-	OTLN		Existing site features (play structures, bike racks, benches, recreational equipment)	0.35	4	•	
V	-	SITE	-	STRC		Structures (bridges, sheds, foundation pads, footings, etc.)	0.35	22		
V	-	SITE	-	STRS		Stairs and ramps	1.00	6	•	
V	-	SITE	-	VEGE		Existing treelines and vegetation	0.35	82		
V	-	SITE	-	WALK		Walks, trails, and bicycle paths	0.25	2	•	
V	-	SITE	-	WATR		Water features	0.35	162		
SPCL - Special Systems										
V	-	SPCL	-	IDEN		Special systems (UMCS, EMCS, CATV, etc.) identifier tags, symbol modifier, and text	0.25	151		
V	-	SPCL	-	SYST		Special systems (UMCS, EMCS, CATV, etc.)	0.25	151		
V	-	SPCL	-	TRAF		Traffic signal system	0.25	151		
V	-	SPCL	-	TRAF	-	IDEN	Traffic signal identifier tags, symbol modifier, and text	0.25	151	
SSWR - Sanitary Sewer										
V	-	SSWR	-	ABND		Abandoned piping	1.00	6	•	
V	-	SSWR	-	DEVC		Grease traps, grit chambers, flumes, neutralizers, oil/water separators, ejectors, and valves	1.00	6	•	
V	-	SSWR	-	DEVC	-	IDEN	Identifier tags, symbol modifier, and text	1.00	6	•
V	-	SSWR	-	FILT		Filtration beds	0.35	3	•	
V	-	SSWR	-	FILT	-	IDEN	Identifier tags, symbol modifier, and text	0.35	3	•
V	-	SSWR	-	FLOW		Flow direction arrows	1.00	6	•	
V	-	SSWR	-	FTTG		Caps and cleanouts	1.00	6	•	
V	-	SSWR	-	IDEN		Identifier tags, symbol modifier, and text	0.25	2	•	
V	-	SSWR	-	JBOX		Junction boxes and manholes	0.18	1	•	
V	-	SSWR	-	JBOX	-	IDEN	Identifier tags, symbol modifier, and text	0.18	1	•
V	-	SSWR	-	LAGN		Lagoons	0.35	3	•	
V	-	SSWR	-	LEAC		Leach field	0.35	3	•	
V	-	SSWR	-	MAIN		Sanitary sewer piping	1.00	6	•	
V	-	SSWR	-	NITF		Nitrification drain fields	0.35	3	•	
V	-	SSWR	-	PLNT		Treatment plants	1.00	6	•	
V	-	SSWR	-	PUMP		Booster pump stations	1.00	6	•	
V	-	SSWR	-	RSVR	-	IDEN	Identifier tags, symbol modifier, and text	0.35	3	•

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
V	-	SSWR	-	SERV	Sanitary sewer service piping	0.18	1	•	
V	-	SSWR	-	SIGN	Surface markers/signs	0.18	1	•	
V	-	SSWR	-	STNS - IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
V	-	SSWR	-	TANK	Septic tanks	0.35	3	•	
STAT - Demolition (used only in creating Existing Demolition model files)									
V	-	STAT	-	DEMO	Demolition (Note: comprehensive demolition is handled in Model File Type: Demolition Plan)	1.00	6	•	
V	-	STAT	-	EXST	Existing to remain	0.35	3	•	
V	-	STAT	-	FUTR	Future work	0.25	2	•	
V	-	STAT	-	MOVE	Items to be moved	1.00	6	•	
V	-	STAT	-	NEWW	New work	0.35	4	•	
V	-	STAT	-	NICN	Not in contract	0.35	8	•	
V	-	STAT	-	PHS#	Phase numbers (#=1-9)	0.25	2	•	
V	-	STAT	-	RELO	Relocated items	0.50	5	•	
V	-	STAT	-	TEMP	Temporary work	0.35	4	•	
STRC - Structures									
V	-	STRC	-	IDEN	Bridges, piers, breakwaters, docks, floats, etc. - annotation	0.25	2	•	
V	-	STRC	-	OTLN	Bridges, piers, breakwaters, docks, floats, etc. - outlines	0.35	4	•	
V	-	STRC	-	TOWR	Tower	0.35	4	•	
STRM - Storm Sewer									
V	-	STRM	-	ABND	Abandoned piping	1.00	6	•	
V	-	STRM	-	AFFF	AFFF lagoon/detention pond	0.35	3	•	
V	-	STRM	-	CHUT	Chutes and concrete erosion control structures	0.18	1	•	
V	-	STRM	-	CULV	Culverts	0.35	3	•	
V	-	STRM	-	DEVC	Downspouts, flumes, oil/water separators, and flap gates	1.00	6	•	
V	-	STRM	-	DRAN - IDEN	Identifier tags, symbol modifier, and text	0.35	3	•	
V	-	STRM	-	EROS	Erosion control (riprap)	0.50	5	•	
V	-	STRM	-	FLOW	Flow direction arrows	1.00	6	•	
V	-	STRM	-	FMON	Flow monitoring station	1.00	6	•	
V	-	STRM	-	FTTG	Caps and cleanouts	1.00	6	•	

Full Layer Name					Description	Line Width (mm)	Color	Modified	Notes
V	-	STRM	-	HDWL	Headwalls and endwalls	1.40	7	•	
V	-	STRM	-	IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
V	-	STRM	-	INLT	Inlets (curb, surface, and catch basins)	0.35	3	•	
V	-	STRM	-	LAGN	Lagoons, ponds, watersheds, and basins	0.35	3	•	
V	-	STRM	-	MAIN	Storm sewer piping	1.00	6	•	
V	-	STRM	-	MHOL	Manholes	0.18	1	•	
V	-	STRM	-	PUMP	Pump stations	1.00	6	•	
V	-	STRM	-	ROOF	Roof drain line	0.35	3	•	
V	-	STRM	-	RSVR - IDEN	Identifier tags, symbol modifier, and text	0.35	3	•	
V	-	STRM	-	SERV	Storm sewer service piping	0.18	1	•	
V	-	STRM	-	SIGN	Surface markers/signs	0.18	1	•	
V	-	STRM	-	STNS - IDEN	Identifier tags, symbol modifier, and text	0.25	2	•	
V	-	STRM	-	SUBS	Subsurface drain piping	0.35	3	•	
SURV - Survey Lines									
V	-	SURV	-	DATA	Survey data (benchmarks and horizontal control points or monuments)	1.00	6	•	
V	-	SURV	-	IDEN	Survey, baseline, and control line annotation	1.00	6	•	
V	-	SURV	-	LINE	Survey, baseline, and control line	0.35	4	•	
TOPO - Topography									
V	-	TOPO	-	BKLN	Breaklines	1.40	7	•	
V	-	TOPO	-	BORE	Boring locations	1.00	6	•	
V	-	TOPO	-	COOR	Coordinate grid ticks and text	0.35	122		
V	-	TOPO	-	DTCH	Ditches and swales	0.35	3	•	
V	-	TOPO	-	DTMP	DTM points	1.00	6	•	
V	-	TOPO	-	DTMT	DTM triangles	0.35	22		
V	-	TOPO	-	MAJR	Major contours	0.25	2	•	
V	-	TOPO	-	MAJR - IDEN	Major contours - annotation	0.25	2	•	
V	-	TOPO	-	MINR	Minor contours	0.35	3	•	
V	-	TOPO	-	MINR - IDEN	Minor contours - annotation	0.35	3	•	
V	-	TOPO	-	SHOR	Shorelines, land features, and references	0.35	4	•	
V	-	TOPO	-	SLOP - TOPT	Top/toe slopes	1.00	6	•	
V	-	TOPO	-	SOUN	Soundings	0.18	V		
V	-	TOPO	-	SPEC	Species Site	0.25	2	•	
V	-	TOPO	-	SPOT	Spot elevations	0.25	2	•	

Full Layer Name						Description	Line Width (mm)	Color	Modified	Notes
V	-	TOPO	-	WETL		Wetland	0.25	2	•	
TRAN - Transformers										
V	-	TRAN	-	PADM		Pad mounted transformers	0.25	21		
V	-	TRAN	-	PADM	- IDEN	Identifier tags, symbol modifier, and text	0.25	21		
V	-	TRAN	-	POLE		Pole mounted transformers	0.25	21		
V	-	TRAN	-	POLE	- IDEN	Identifier tags, symbol modifier, and text	0.25	21		
UTIL - Utilities										
V	-	UTIL	-	ELEC		Power lines, lights, telephone poles, communication lines	0.35	4	•	
V	-	UTIL	-	ELEC	- IDEN	Power/communication annotation	0.25	2	•	
V	-	UTIL	-	IDEN		Utility annotation	0.25	2	•	
V	-	UTIL	-	LINE		Utilities	0.35	4	•	
V	-	UTIL	-	NGAS		Gas lines, features, and valves	0.35	4	•	
V	-	UTIL	-	NGAS	- IDEN	Gas annotation	0.25	2	•	
V	-	UTIL	-	SSWR		Sanitary lines and manholes	0.35	4	•	
V	-	UTIL	-	SSWR	- IDEN	Sanitary annotation	0.25	2	•	
V	-	UTIL	-	STEM		Steam lines and annotation	0.25	2	•	
V	-	UTIL	-	STRM		Storm sewer lines, culverts, manholes, and headwalls	0.35	4	•	
V	-	UTIL	-	STRM	- IDEN	Storm sewer annotation	0.25	2	•	
V	-	UTIL	-	WATR		Water lines, hydrants, tanks	0.35	4	•	
V	-	UTIL	-	WATR	- IDEN	Water annotation	0.25	2	•	