



CAD layer assignment table for LAWA projects

Document History

revision letter	release date	major changes	approved by
A	September 2012	new version of standards	
B	June 2014	New document set	
C	August 2014	IMTG GIS Support Services Division	

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			Crickets 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	- RAD1	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	•	
C	-	DOMW	-	DEVC			Connectors, faucets, reducers, regulators, vents, intake points, tanks, taps, backflow preventers, and valves	1.00	6	•	
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	-	LIMIT			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 - Grde 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	Identifier tags, symbol modifier, and text	1.00	6	•	
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	Identifier tags, symbol modifier, and text	0.18	1	•	
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	Identifier tags, symbol modifier, and text	0.25	2	•	
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	Centerline annotation	0.25	2	•	
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	Centerline annotation	0.25	2	•	
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 navaids - 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	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 matts, 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	-	ERTH			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 (turfing 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	-	CDFF		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	-	CDFF		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	-	FDFF		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		
CMPP -										
P	-	CMPP	-	EQPM		Equipment	0.70	84		
P	-	CMPP	-	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	-	FNGR		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	-	FNDR		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	-	DACL			De-authorized channel limits, anchorages, etc.	0.35	3	•	
V	-	CHAN	-	DACL	-	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	IDEN		Identifier tags, symbol modifier, and text	0.25	61		
V	-	SECD	-	UNDR			Underground electrical utility lines	0.25	61		
V	-	SECD	-	UNDR	IDEN		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	IDEN		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	•	