

13. Feature & Line Code Table

Code	Description	Full Name Field Acquisition	Layer Pre-Eng-DWG Template	Layer AC-DWG Template	Linetype	Symbol Pre-Eng-DWG Template	Symbol AC-DWG Template	Entity
11	11.25 DEGREE BEND	@ center of bend in trench		AC-WATER	BYLAYER		AC-BEND11	Point
22	22.5 DEGREE BEND	@ center of bend in trench		AC-WATER	BYLAYER		AC-BEND22	Point
45	45 DEGREE BEND	@ center of bend in trench		AC-WATER	BYLAYER		AC-BEND45	Point
5	5 DEGREE BEND	@ center of bend in trench		AC-WATER	BYLAYER		AC-BEND5	Point
300ST	300x450mm SHARKS TOOTH	where the two equal sides meet	EXPMARKS	AC-PMARKS	BYLAYER	EX300X450 SHARK TOOTH	AC-300X450 SHARK TOOTH	Point
600ST	600x900mm SHARKS TOOTH	where the two equal sides meet	EXPMARKS	AC-PMARKS	BYLAYER	EX600X900 SHARK TOOTH	AC-600X900 SHARK TOOTH	Point
AFS	AUTOMATIC FLUSHING STATION	@ center of AFS @ ground	EXWATER	AC-WATER	BYLAYER	AFS	AC-AFS	Point
ARC	AIR RELEASE CHAMBER	@ center of ARC lid	EXWATER	AC-WATER	BYLAYER	ARC	AC-ARC	Point
ARCV	AIR RELEASE CHAMBER VENT	@ center of ARC vent upright pipe @ ground	EXWATER	AC-WATER	BYLAYER	ARCV	AC-ARCV	Point
ASP	ASPHALT	on ASP surface to indicate material	OG	AC-OG	BYLAYER	ASP	AC-ASP	Point
B	BELL	on B locate line	EXBELL	AC-BELL	BYLAYER			3DPlane
BBOX	BUFFALO BOX	@ center of BBOX	EXWATER-SERVICE	AC-WATER-SERVICE	BYLAYER	BB	AC-BB	Point
BFO	BELL FIBER OPTIC	BFO locate line	EXBELL-FO	AC-BELL-FO	BYLAYER			3DPlane
BH	BORE HOLE	@ center of BH	BOREHOLE S-PLAN	AC-BOREHOLE S-PLAN	BYLAYER	BH	AC-BH	Point
BK	BIKE SYM FOR BIKE LANE	@ bike pedals	EXPMARKS	AC-PMARKS	BYLAYER	BIKE	AC-PRBIKE	Point
BL	BASELINE	on Baseline	EXREFPT	AC-REFPT	BYLAYER			3DPlane
BLDG	BUILDING	@ BLDG corners (Use no elevation unless required)	EXBLDGS	AC-BLDGS	BYLAYER			3DPlane

Code	Description	Full Name Field Acquisition	Layer Pre-Eng-DWG Template	Layer AC-DWG Template	Linetype	Symbol Pre-Eng-DWG Template	Symbol AC-DWG Template	Entity
BM	BENCHMARK	on referenced BM height	EXREFPT	AC-REFPT	BYLAYER	BM	AC-BM	Point
BMH	BELL MANHOLE	@ center of BMH lid	EXBELL	AC-BELL	BYLAYER	BMH	AC-BMH	Point
BOL	BOLLARD	@ center of BOL @ ground	EXDETAIL	AC-DETAIL	BYLAYER	BOL	AC-BOL	Point
BOLD	BOULDER	@ center of Boulder	EXDETAIL	AC-DETAIL	BYLAYER	BOLD	AC-BOLD	Point
BP	BELL POLE	@ center of BP @ ground	EXBELL	AC-BELL	BYLAYER	BP	AC-BP	Point
BPED	BELL PEDASTAL	@ center of BPED @ ground	EXBELL	AC-BELL	BYLAYER	BPED	AC-BPED	Point
BS	BUS SHELTER	@ BS corners (Use no elevation unless required)	EXBLDGS	AC-BLDGS	BYLAYER			3Dpline
BWALL	BOTTOM WALL	@ bottom of retaining wall @ ground	EXWALL	AC-WALL	BYLAYER			3Dpline
C	CABLE	on C locate line	EXTV	AC-TV	BYLAYER			3Dpline
CAB	CABLE CABINET FOR BELL, ROGERS, COGECO, HYDRO, ETC	@ center of CAB at ground	EXMISC	AC-MISC	BYLAYER	CAB	AC-CAB	Point
CB	CATCH BASIN	@ center of CB lid	EXSTM	AC-STM	BYLAYER	CB	AC-CB	Point
CBMH	CATCH BASIN MANHOLE	@ center of CBMH lid	EXSTM	AC-STM	BYLAYER	CBMH	AC-MHCB	Point
CBOX	CURB BOX	@ center of CBOX	EXWATER-SERVICE	AC-WATER-SERVICE	BYLAYER	CBOX	AC-CBOX	Point
CC	CUT CROSS	@ center of CC	EXREFPT	AC-REFPT	BYLAYER	CC	AC-CC	Point
CFO	CABLE TV FIBER OPTIC	on CFO locate line	EXTV-FO	AC-TV-FO	BYLAYER			3Dpline
CL	CENTER LINE	on Thalweg (Deepest) point in water course or valley	EXREFPT	AC-REFPT	BYLAYER			3Dpline
CM	CONC. MON.	@ center of CM	EXREFPT	AC-REFPT	BYLAYER	CM	AC-CM	Point
CMB	COMMUNITY MAILBOX	@ center of CMB at ground	EXDETAIL	AC-DETAIL	BYLAYER	CMB	AC-CMB	Point

Code	Description	Full Name Field Acquisition	Layer Pre-Eng-DWG Template	Layer AC-DWG Template	Linetype	Symbol Pre-Eng-DWG Template	Symbol AC-DWG Template	Entity
CNF	CONIFEROUS TREE	@ center of CNF @ ground and SZ drip Rad and note trunk dia.	EXVEG	AC-VEG	BYLAYER	CNF	AC-CNF	Point
CO	SANITARY CLEAN OUT- AT OR AROUND PROPERTY LINE (PVC STYLE)	@ center of CO	EXSAN	AC-SAN	BYLAYER	CO	AC-CO	Point
CONC	CONCRETE	on CONC surface to indicate material	OG	AC-OG	BYLAYER	CONC	AC-CONC	Point
CP	CONTROL POINT	@ center of CP	EXREFPT	AC-REFPT	BYLAYER	CP	AC-CP	Point
CPED	CABLE PEDISTAL	@ center of CPED @ ground	EXTV	AC-TV	BYLAYER	CPED	AC-CPED	Point
CR	EDGE OF CREEK	where water meets bank	EXDRAIN	AC-DRAIN	BYLAYER			3DPLine
CULV	CULVERT	@ center of invert of box pipe, round, or elliptical pipe	EXCULVERTS	AC-CULVERTS	BYLAYER	CULV	AC-CULV	Point
CV	CABLE VAULT-BELL, ROGERS, COGECO, HYDRO,ETC	@ center of CV	EXMISC	AC-MISC	BYLAYER	CV	AC-CV	Point
D	DITCH	@ center of Ditch line	EXDITCH	AC-DITCH	BYLAYER		AC-DCB	3DPLine
DCB	DOUBLE CATCH BASIN	@ center of DCB (between both lids)	EXSTM	AC-STM	BYLAYER	DCB	AC-DCBMH	Point
DCBMH	DOUBLE CATCH BASIN MANHOLE	@ center of DCBMH (between both lids)	EXSTM	AC-STM	BYLAYER	DCBMH	AC-DEC	Point
DEC	DECIDUOUS TREE	@ center of DEC @ ground and SZ drip Rad and note trunk dia.	EXVEG	AC-VEG	BYLAYER	DEC		Point
DFL	H &/OR V DEFLECTION INDICATE IN NOTE	@ center of deflection in trench		AC-WATER	BYLAYER		AC-DEFLECTIO N	Point
DICB	DITCH INLET CATCH BASIN	@ reference point used to measure invert	EXSTM	AC-STM	BYLAYER	DICB	AC-DICB	Point
DMD	DIAMOND SYM FOR BIKE LANE	@ center of DMD	EXPMARKS	AC-PMARKS	BYLAYER	DIAMOND	AC-DIAMOND	Point

Code	Description	Full Name Field Acquisition	Layer Pre-Eng-DWG Template	Layer AC-DWG Template	Linetype	Symbol Pre-Eng-DWG Template	Symbol AC-DWG Template	Entity
DRC	DRAIN RELEASE CHAMBER	@ center of DRC lid	EXWATER	AC-WATER	BYLAYER	DC	AC-DC	Point
DWY	EDGE OF DRIVEWAY	@ edge of driveway	EXDWY	AC-DWY	BYLAYER			3DPlane
E	ELECTRICAL ITEMS- RECEPTICLE, JUNCTION BOX ETC.	@ center of E item @ ground	EXDETAIL	AC-DETAIL	BYLAYER	EOUTLET	AC-EOUTLET	Point
EB	ELEVATION BREAKLINE	@ crown or crest line of EB	OG	AC-OG	BYLAYER			3DPlane
EHH	ELECTRICAL HANDHOLE	@ center of EHH lid	EXHYDRO	AC-HYDRO	BYLAYER	EHH	AC-EHH	Point
EP	EDGE OF ROAD	on curb where Asphalt meets or edge of Asphalt when no curb	EXROAD	AC-ROAD	BYLAYER			3DPlane
FB	FLOWER BED	along perimeter of FB	EXVEG	AC-VEG	BYLAYER			3DPlane
FL	FENCE LINE	@ center of fence @ ground	EXFENCE	AC-FENCE	BYLAYER			3DPlane
FM	SANITARY FORCEMAIN	on FM locate line	EXSAN-FORCEMAIN	AC-SAN-FORCEMAIN	BYLAYER			3DPlane
FO	FIBER OPTIC (UNKNOWN)	on FO locate line	EXMSC-FO	AC-MSC-FO	BYLAYER			3DPlane
FP	FLAGPOLE	@ center of FP @ ground	EXDETAIL	AC-DETAIL	BYLAYER	FP	AC-FP	Point
FST	FLAG STONE MATERIAL	on FST surface to indicate material	OG	AC-OG	BYLAYER	FST	AC-FST	Point
G	GAS LINE	on G locate line	EXGAS	AC-GAS	BYLAYER			3DPlane
GATE	GATE	@ center of gate and SZ gate and note material	EXDETAIL	AC-DETAIL	BYLAYER	GATE	AC-GATE	Point
GB	GABIAN BASKET or WALL (RAP FILLED CAGES)	on top corners of GB wall or pads	EXWALL	AC-WALL	BYLAYER			3DPlane
GFT	GAS FARM TAP	@ center of GFT @ ground	EXGAS	AC-GAS	BYLAYER	GFT	AC-GFT	Point
GH	GRAVE HEADSTONE	@ center of GH @ ground	EXDETAIL	AC-DETAIL	BYLAYER	GH	AC-GH	Point
GP	GUY POLE	@ center of GP @ ground	EXGP&GW	AC-GP&GW	BYLAYER	GP	AC-GP	Point

Code	Description	Full Name Field Acquisition	Layer Pre-Eng-DWG Template	Layer AC-DWG Template	Linetype	Symbol Pre-Eng-DWG Template	Symbol AC-DWG Template	Entity
GR	GUIDE RAIL	@ front face of rail @ ground	EXGDRAIL	AC-GDRAIL	BYLAYER			3Dpline
GRV	GRAVEL	on GRV surface to indicate material	OG	AC-OG	BYLAYER	GRV	AC-GRV	Point
GTP	GAS TEST POST	@ center of GTP @ ground	EXGAS	AC-GAS	BYLAYER	GTP	AC-GTP	Point
GUT	GUTTER LINE OF CURB	where face of curb meets gutter pan	EXGUTTER	AC-GUTTER	BYLAYER			3Dpline
GV	GAS VALVE	@ center of GV lid	EXGAS	AC-GAS	BYLAYER	GV	AC-GV	Point
GW	GUY WIRE	where GW enters ground	EXGP&GW	AC-GP&GW	BYLAYER	GW	AC-GW	Point
H	UNDER GROUND HYDRO	on H locate line	EXHYDRO	AC-HYDRO	BYLAYER			3Dpline
HDG	HEDGE	along drip line of hedge @ ground	EXVEG	AC-VEG	BYLAYER			3Dpline
HFO	HYDRO FIBER OPTIC	on HFO locate line	EXHYDRO-FO	AC-HYDRO-FO	BYLAYER			3Dpline
HH	HAND HOLE	@ center of HH lid	EXSIGNALS - INGROUND	AC-SIGNALS-INGROUND	BYLAYER	HH	AC-HH	Point
HMH	HYDRO MANHOLE	@ center of HMH lid	EXHYDRO	AC-HYDRO	BYLAYER	HMH	AC-HMH	Point
HOT	HUB ON TANGENT	at center of HOT	EXREFPT	AC-REFPT	BYLAYER	HOT	AC-HOT	Point
HP	HYDRO POLE	@ center of HP @ ground	EXHYDRO	AC-HYDRO	BYLAYER	HP	AC-HP	Point
HPLS	HYDRO POLE WITH LUMINARE	@ center of HPLS @ ground	EXHYDRO	AC-HYDRO	BYLAYER	HPLS	AC-HPLS	Point
HR	PEDESTRIAN HANDRAIL	at top center of HR	EXDETAIL	AC-DETAIL	BYLAYER			3Dpline
HT	HYDRO TOWER	@ center of HT @ ground	EXHYDRO	AC-HYDRO	BYLAYER	HT	AC-HT	Point
HV	HYDRO VALT	@ center of HV @ ground, if underground HV please note	EXHYDRO	AC-HYDRO	BYLAYER	HV	AC-HV	Point
HYD	HYDRANT	@ center of HYD @ ground	EXWATER	AC-WATER	BYLAYER	HYD	AC-HYD	Point
IB	IRON BAR	@ center of IB, note leaning or bent direction	EXREFPT	AC-REFPT	BYLAYER	IB	AC-IB	Point

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ILS	INTERLOCKING STONE	on ILS surface to indicate material	OG	AC-OG	BYLAYER	ILS	AC-ILS	Point
IP	IRON PIPE	@ center of IP, note leaning or bent direction	EXREFPT	AC-REFPT	BYLAYER	IP	AC-IP	Point
KS	CONCRETE KILL STRIP	on back line of kill strip	EXROAD	AC-ROAD	BYLAYER			3DPlane
LBKP	LEFT BIKE PATH	@ edge of bike path	EXBKPATH	AC-BIKEPATH	BYLAYER			3DPlane
LC	LEFT CONC.CURB & GUTTER	@ top back line of curb	EXROAD	AC-ROAD	BYLAYER			3DPlane
LCR	LEFT EDGE OF CREEK	where water meets bank	EXDRAIN	AC-DRAIN	BYLAYER			3DPlane
LD	LEFT DITCH	Acquire @ center of ditch	EXDITCH	AC-DITCH	BYLAYER			3DPlane
LDWY	LEFT DRIVEWAY	@ edge of driveway	EXDWY	AC-DWY	BYLAYER			3DPlane
LEP	LEFT EDGE OF PAVEMENT	on curb where Asphalt meets or edge of Asphalt when no curb	EXROAD	AC-ROAD	BYLAYER			3DPlane
LFL	LEFT FENCE LINE	@ center of fence @ ground	EXFENCE	AC-FENCE	BYLAYER			3DPlane
LKS	LEFT CONCRETE KILLSTRIP	on back line of kill strip	EXROAD	AC-ROAD	BYLAYER			3DPlane
LS	LIGHT STANDARD	@ center of LS @ ground	EXHYDRO	AC-HYDRO	BYLAYER	LS	AC-LS	Point
LSHLD	LEFT SHOULDER	@ edge of shoulder prior to rounding	EXSHLD	AC-SHLD	BYLAYER			3DPlane
LSW	LEFT SIDEWALK	@ edge of sidewalk	EXSWK	AC-SWK	BYLAYER			3DPlane
LTA	EX. LEFT TURN ARROW	@ arrow point of LTA	EXPMARKS	AC-PMARKS	BYLAYER	EXLTARROW	AC-LTARROW	Point
LWALL	LEFT WALL	@ top corners/along	EXWALL	AC-WALL	BYLAYER			3DPlane

Code	Description	Full Name Field Acquisition	Layer Pre-Eng-DWG Template	Layer AC-DWG Template	Linetype	Symbol Pre-Eng-DWG Template	Symbol AC-DWG Template	Entity
		edge of retaining wall						
MB	MAILBOX	@ center of MB @ ground	EXDETAIL	AC-DETAIL	BYLAYER	MB	AC-MB	Point
MH	MANHOLE	@ center of MH lid	EXSAN	AC-SAN	BYLAYER	MH	AC-MH	Point
MHS	MANHOLE STORM	@ center of MHS lid	EXSTM	AC-STM	BYLAYER	MHS	AC-MHS	Point
MISC	MISCELLANEOUS CODE	@ center of MISC item @ ground	OG	AC-DETAIL	BYLAYER	MISC	AC-MISC	Point
MKR	911 MARKER	@ MKR center @ ground, only used for rural Address markers	EXDETAIL	AC-DETAIL	BYLAYER	911MARKER	AC-911MARKER	Point
MW	MONITORING WELL	@ center of MW @ ground	EXDETAIL	AC-DETAIL	BYLAYER	MWELL	AC-MWELL	Point
NW	NAIL N WASHER	@ center of NW	EXREFPT	AC-REFPT	BYLAYER	NW	AC-NW	Point
OG	ORIGINAL GROUND	on ground/earth material	OG	AC-OG	BYLAYER	OG	AC-OG	Point
OGBS	ORIGINAL GROUND BOTTOM SLOPE	@ bottom of slope	OGBS	AC-OGBS	BYLAYER	OGBS	AC-OGBS	Point
OGCL	ORIGINAL GROUND CENTRE LINE	on crown line of road	OGCL	AC-OGCL	BYLAYER	OGCL	AC-OGCL	3DPline
OGS	OIL, GRIT SEPARATOR MANHOLE	@ center of OGS lid	EXSTM	AC-STM	BYLAYER	OGSMH	AC-MHOGS	Point
OGTS	ORIGINAL GROUND TOP SLOPE	@ top of slope	OGTS	AC-OGTS	BYLAYER	OGTS	AC-OGTS	Point
OLTSTA	ROUNDAABOUT-LEFT TURN, STRAIGHT THROUGH ARROW	@ straight through arrow point	EXPMARKS	AC-PMARKS	BYLAYER	EXLTSTRTHRU	AC-LTSTRTHRU	Point
ORTSTA	ROUNDAABOUT-RIGHT TURN, STRAIGHT THROUGH ARROW	@ straight through arrow point	EXPMARKS	AC-PMARKS	BYLAYER	EXRTSTRTHRU	AC-RTSTRTHRU	Point
OSTA	ROUNDAABOUT-STRAIGHT THRU ARROW	@ straight through arrow point	EXPMARKS	AC-PMARKS	BYLAYER	EXSTRTHRU	AC-PRSTRTHRU	Point
PAD	CONCRETE PAD	@ top of pad corners	EXDETAIL	AC-DETAIL	BYLAYER			3DPline
PCONC	PATTERN CONCRETE	on surface of PCONC to indicate material	OG	AC-OG	BYLAYER	PCONC	AC-PCONC	Point

Code	Description	Full Name Field Acquisition	Layer Pre-Eng-DWG Template	Layer AC-DWG Template	Linetype	Symbol Pre-Eng-DWG Template	Symbol AC-DWG Template	Entity
PI	POINT OF INTERSECTION	@ center of PI	EXREFPT	AC-REFPT	BYLAYER	PI	AC-PI	Point
PIV	POST INDICATOR VALVE (SMALL HYDRANT USED IN INDUSTRY/SAN LIFT STATIONS)	@ center of PIV @ ground	EXWATER	AC-WATER	BYLAYER	PIV	AC-PIV	Point
PK	PK NAIL	@ center of PK nail	EXREFPT	AC-REFPT	BYLAYER	PK	AC-PK	Point
PL	PROPERTY LINE	on center of property Bars	PROPERTY	PROPERTY	BYLAYER			3Dpline
PLR	PILLAR	@ center of PLR @ ground add SZ and note material	EXDETAIL	AC-DETAIL	BYLAYER	PILLAR	AC-PILLAR	Point
PLS	PRIVATE LIGHT POLE	@ center of PLS @ ground	EXDETAIL	AC-DETAIL	BYLAYER	PLP	AC-PLP	Point
PM	PARKING METER	@ center of PM @ ground	EXDETAIL	AC-DETAIL	BYLAYER	PM	AC-PM	Point
PO	EDGE OF POND	where water meets bank	EXDRAIN	AC-DRAIN	BYLAYER			3Dpline
PS	POWER SUPPLY CABINET	@ center of PS @ ground	EXSIGNALS -ABOVE	AC-SIGNALS-ABOVE	BYLAYER	EXPSC	AC-PSC	Point
PSW	PAINT SOLID WHITE	@ center of solid white traffic lane paint line	EXPMARKS	AC-PMARKS	CONTINUOUS			3Dpline
PSY	PAINT SOLID YELLOW	@ center of solid yellow traffic lane paint line	EXPMARKS	AC-PMARKS	CONTINUOUS			3Dpline
RAP	RIP RAP AREA (5' CRUSHED OR RIVER ROCK)	along perimeter of RAP	EXDETAIL	AC-DETAIL	BYLAYER			3Dpline
RBKP	RIGHT BIKE PATH	@ edge of bike path	EXBKPATH	AC-BIKEPATH	BYLAYER			3Dpline
RC	RIGHT CONC. CURB & GUTTER	@ top back line of curb	EXROAD	AC-ROAD	BYLAYER			3Dpline
RCS	RAILWAY CROSS SIGN	@ center of RCS @ ground	EXDETAIL	AC-DETAIL	BYLAYER	RCS	AC-RCS	Point
RD	RIGHT DITCH	@ center of ditch	EXDITCH	AC-DITCH	BYLAYER			3Dpline

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RDWY	RIGHT EDGE DRIVEWAY	@ edge of driveway	EXDWY	AC-DWY	BYLAYER			3DPlane
REP	RIGHT EDGE PAVEMENT	on curb where Asphalt meets or edge of Asphalt when no curb	EXROAD	AC-ROAD	BYLAYER			3DPlane
RFL	RIGHT FENCE LINE	@ center of fence @ ground	EXFENCE	AC-FENCE	BYLAYER			3DPlane
RIB	ROUND IRON BAR	@ center of RIB	EXREFPT	AC-REFPT	BYLAYER	RIB	AC-RIB	Point
RKS	RIGHT CONCRETE KILLSTRIP	on back line of kill strip	EXROAD	AC-ROAD	BYLAYER			3DPlane
RLC	RED LIGHT CAMERA ON POLE	@ center of RLC @ ground	EXSIGNALS-ABOVE	AC-SIGNALS-ABOVE	BYLAYER	RLCP	AC-RLCP	Point
RLF	RED LIGHT CAMERA FLASH ON POLE	@ center of RLF @ ground	EXSIGNALS-ABOVE	AC-SIGNALS-ABOVE	BYLAYER	RLCFP	AC-RLCFP	Point
ROB	ROW OF BUSH	along drip line of bush or trees	EXVEG	AC-VEG	BYLAYER			3DPlane
ROW	RIGHT OF WAY	on center of property bars	PROPERTY	PROPERTY	BYLAYER			3DPlane
RRX	EX. RAILWAY CROSSING ROAD MARKING	@ center of RRX	EXPMARKS	AC-PMARKS	BYLAYER	EXRRX	AC-RRX	Point
RS	ROAD SIGN	@ center of RS @ ground	EXRDSIGNS	AC-RDSIGNS	BYLAYER	RS	AC-RDSIGN	Point
RSHLD	RIGHT SHOULDER	@ edge of shoulder prior to rounding	EXSHLD	AC-SHLD	BYLAYER			3DPlane
RSW	RIGHT SIDEWALK	@ edge of sidewalk	EXSWK	AC-SWK	BYLAYER			3DPlane
RTA	EX. RIGHT TURN ARROW	@ RTA arrow point	EXPMARKS	AC-PMARKS	BYLAYER	EXRTARROW	AC-RTARROW	Point
RWALL	RIGHT WALL	@ top corners/along edge of retaining wall	EXWALL	AC-WALL	BYLAYER			3DPlane
RWW	RAILROAD WIG-WAG	@ center of RWW @ ground	EXDETAIL	AC-DETAIL	BYLAYER	RWW	AC-RWW	Point
RWY	RAILWAY LINE (TOP OF RAIL)	@ center top of rail	EXDETAIL	AC-DETAIL	BYLAYER			3DPlane

Code	Description	Full Name Field Acquisition	Layer Pre-Eng-DWG Template	Layer AC-DWG Template	Linetype	Symbol Pre-Eng-DWG Template	Symbol AC-DWG Template	Entity
S	SWALE	@ center of swale	EXDITCH	AC-DITCH	BYLAYER			3DPlane
SAN	SANITARY SEWER	on SAN locate line	EXSAN	AC-SAN	BYLAYER			3DPlane
SCNF	CONIFEROUS TREE SIGNIFICANT	@ center of CNF @ ground and SZ drip Rad and note trunk dia.	EXVEG-SIGNIFICANT	AC-VEG-SIGNIFICANT	BYLAYER	SCNF	AC-SCNF	Point
SCON	SIAMESE CONNECTION	@ center of SCON @ ground	EXWATER	AC-WATER	BYLAYER	SCON	AC-SCON	Point
SDEC	DECIDUOUS TREE-SIGNIFICANT	@ center of DEC @ ground and SZ drip Rad and note trunk dia.	EXVEG-SIGNIFICANT	AC-VEG-SIGNIFICANT	BYLAYER	SDEC	AC-SDEC	Point
SECV	SECONDARY VALVE	@ center of SECV lid	EXWATER	AC-WATER	BYLAYER	SECV	AC-SECV	Point
SFV	SANITARY FORCEMAIN VALVE	@ center of SFV lid	EXSAN-FORCEMAIN	AC-SAN-FORCEMAIN	BYLAYER	SFV	AC-SFV	Point
SFVB	SAN FORCEMAIN VALVE BOX ONLY TO DENOTE CHANGE IN DIR/TRACER WIRE ACCESS	@ center of SFVB lid	EXSAN-FORCEMAIN	AC-SAN-FORCEMAIN	BYLAYER	EXSFVB	AC-SFVB	Point
SFVC	SANITARY FORCEMAIN VALVE CHAMBER	@ center of SFVC lid	EXSAN-FORCEMAIN	AC-SAN-FORCEMAIN	BYLAYER	SFVC	AC-SFVC	Point
SHRB	SHRUB	@ center @ ground and SZ drip dia.	EXVEG	AC-VEG	BYLAYER	SHRB	AC-SHRB	Point
SIB	STANDARD IRON BAR	@ center of SIB, note leaning or bent direction	EXREFPT	AC-REFPT	BYLAYER	SIB	AC-SIB	Point
SL	SUMP LINE-OUTLET LOCATION IN DITCH	@ center of invert of SL add SZ and note material	EXDETAIL	AC-DETAIL	BYLAYER	SL	AC-SL	Point
SLTA	EX. STRAIGHT THRU, LEFT TURN ARROW	@ left turn arrow point	EXPMARKS	AC-PMARKS	BYLAYER	EXSTRLTARROW	AC-STRLTARROW	Point
SO	SIGN-OTHER	@ center of SO @ ground	EXDETAIL	AC-DETAIL	BYLAYER	SO	AC-SO	Point
SPRK	SPRINKLER HEAD	@ center of SPRK @ ground	EXDETAIL	AC-DETAIL	BYLAYER	SPRK	AC-SPRK	Point
SRTA	EX. STRAIGHT THRU, RIGHT TURN ARROW	@ right turn arrow point	EXPMARKS	AC-PMARKS	BYLAYER	EXSTRRTARROW	AC-STRRTARROW	Point

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STA	EX. STRAIGHT THRU ARROW	@ STA arrow point	EXPMARKS	AC-PMARKS	BYLAYER	EXSTRARROW	AC-STRARROW	Point
STK	WOODEN STAKE	@ top center of STK	EXREFPT	AC-REFPT	BYLAYER	STK	AC-STK	Point
STM	STORM SEWER	on STM locate line	EXSTM	AC-STM	BYLAYER			3DPLine
STOP	STOP BAR	@ center of STOP bar	EXPMARKS	AC-PMARKS	CONTINUOUS			3DPLine
STP	STUMP	@ center of STP and add SZ	EXVEG	AC-VEG	BYLAYER	STP	AC-STP	Point
SW	SIDEWALK	@ edge of sidewalk	EXSWK	AC-SWK	BYLAYER			3DPLine
T	TRAFFIC U/G	on T locate line	EXSIGNALS - INGROUND	AC-SIGNALS-INGROUND	BYLAYER			3DPLine
TB	TELEPHONE BOOTH	@ center of TB @ ground	EXBELL	AC-BELL	BYLAYER	TB	AC-TB	Point
TCP	TEMP CONTROL POINT	@ center of TCP	EXREFPT	AC-REFPT	BYLAYER	TCP	AC-TCP	Point
TEE	WM TEE	@ center of TEE in trench		AC-WATER	BYLAYER		AC-TEE	Point
TEMH	TRAFFIC ELEC. MH	@ center of TEMH lid	EXSIGNALS - INGROUND	AC-SIGNALS-INGROUND	BYLAYER	TEMH	AC-TMH	Point
TFO	TRAFFIC FIBER OPTIC	on TFO locate line	EXSIGNALS - INGROUND -FO	AC-SIGNALS-INGROUND -FO	BYLAYER			3DPLine
TL	TRAFFIC LIGHT STANDARD	@ center of TL @ ground	EXSIGNALS -ABOVE	AC-SIGNALS-ABOVE	BYLAYER	TL	AC-TL	Point
TLP	TRAFFIC LOOPS	@ corners of TLP	EXSIGNALS - INGROUND	AC-SIGNALS-INGROUND	dashed			3D & 2D
TLS	TRAFFIC LIGHT W/LUMINAIRE	@ center of TLS @ ground	EXSIGNALS -ABOVE	AC-SIGNALS-ABOVE	BYLAYER	TLS	AC-TLS	Point
TP	TELEGRAPH POLE	@ center of TP @ ground	EXMSC	AC-MSC	BYLAYER	TP	AC-TP	Point
TPAD	TACTILE PAD ACCESSIBILITY FEATURE	@ corners of TPAD	EXDETAIL	AC-DETAIL	BYLAYER			3DPLine
TSC	TRAFFIC SIGNAL CONTROLLER	@ center of TSC @ ground	EXSIGNALS -ABOVE	AC-SIGNALS-ABOVE	BYLAYER	TC	AC-TC	Point
TW	TEST WELL	@ center of TW @ ground	EXDETAIL	AC-DETAIL	BYLAYER	TWELL	AC-TWELL	Point

Code	Description	Full Name Field Acquisition	Layer Pre-Eng-DWG Template	Layer AC-DWG Template	Linetype	Symbol Pre-Eng-DWG Template	Symbol AC-DWG Template	Entity
TWALL	TOP OF RETAINING WALL	@ top corners/along edge of retaining wall	EXWALL	AC-WALL	BYLAYER			3Dpline
UA	UTURN ARROW	@ UA arrow point	EXPMARKS	AC-PMARKS	BYLAYER	EXU-TURN	AC-U-TURN	Point
VCI	VALVE CHAMBER-IRRIGATION SYSTEMS	@ center of VCI lid	EXDETAIL	AC-DETAIL	BYLAYER	VCI	AC-VCI	Point
VF	VERTICAL FACE	@ edge of VF, note top or bottom	EXDETAIL	AC-DETAIL	BYLAYER			3Dpline
W	WATER MAIN	on W locate line	EXWATER	AC-WATER	BYLAYER			3Dpline
W11	WHITE, 1m LINE 1m GAP	Lane paint. Start acquiring @ start of skip line, end acquire @ end of skip line	EXPMARKS	AC-PMARKS	PAINT11			3Dpline
W33	WHITE. 3m LINE 3m GAP	Lane paint. Start acquiring @ start of skip line, end acquire @ end of skip line	EXPMARKS	AC-PMARKS	PAINT33			3Dpline
W36	WHITE. 3m LINE 6m GAP	Lane paint. Start acquiring @ start of skip line, end acquire @ end of skip line	EXPMARKS	AC-PMARKS	PAINT36			3Dpline
W37	WHITE. 3m LINE 7m GAP	Lane paint. Start acquiring @ start of skip line, end acquire @ end of skip line	EXPMARKS	AC-PMARKS	PAINT37			3Dpline
W39	WHITE. 3m LINE 9m GAP	Lane paint. Start acquiring @ start of skip line, end acquire @ end of skip line	EXPMARKS	AC-PMARKS	PAINT39			3Dpline
WALL	RETAINING WALL	@ top corners and along edge of retaining wall	EXWALL	AC-WALL	BYLAYER			3Dpline
WELL	WELL	@ center of well head @ ground	EXDETAIL	AC-DETAIL	BYLAYER	WELL	AC-WELL	Point
WL	WATER LEVEL	on surface of water and note date	EXDRAIN	AC-DRAIN	BYLAYER	OG	AC-OG	Point
WMC	WATER METER CHAMBER	@ center of WMC lid	EXWATER	AC-WATER	BYLAYER	WMC	AC-WMC	Point

Code	Description	Full Name Field Acquisition	Layer Pre-Eng-DWG Template	Layer AC-DWG Template	Linetype	Symbol Pre-Eng-DWG Template	Symbol AC-DWG Template	Entity
WV	WATER VALVE	@ center of WV lid	EXWATER	AC-WATER	BYLAYER	WV	AC-WV	Point
WVC	WATER VALVE CHAMBER	@ center of WVC lid	EXWATER	AC-WATER	BYLAYER	WVC	AC-WVC	Point
Y11	YELLOW. 1m LINE 1m GAP	Lane paint. Start acquiring @ start of skip line, end acquire @ end of skip line	EXPMARKS	AC-PMARKS	PAINT11			3Dpline
Y33	YELLOW. 3m LINE 3m GAP	Lane paint. Start acquiring @ start of skip line, end acquire @ end of skip line	EXPMARKS	AC-PMARKS	PAINT33			3Dpline
Y36	YELLOW. 3m LINE 6m GAP	Lane paint. Start acquiring @ start of skip line, end acquire @ end of skip line	EXPMARKS	AC-PMARKS	PAINT36			3Dpline
Y37	YELLOW. 3m LINE 7m GAP	Lane paint. Start acquiring @ start of skip line, end acquire @ end of skip line	EXPMARKS	AC-PMARKS	PAINT37			3Dpline
Y39	YELLOW. 3m LINE 3m GAP	Lane paint. Start acquiring @ start of skip line, end acquire @ end of skip line	EXPMARKS	AC-PMARKS	PAINT39			3Dpline