

CADD STANDARDS FOR SURVEY

LAYERS

LAYER NAME	USED FOR	COLOR	LINETYPE	WIDTH
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BOUNDARIES		
EB-CEMETERY	Cemetery	10
EB-CITY-LIM	City limits	10
EB-COUNTY-LIM	County limits	10
EB-PROP-COR	Property corner	10
EB-PROP-INT	Property line	10
EB-PROP-LINE	Property line	10
EB-ROW	Right-of-way	10
EB-EASEMENT	Existing Easements	10
	CONTINUOUS	0.005
	BORDER	0.005
	BORDER	0.005
	CONTINUOUS	0.005
	PHANTOM	0.005
	ROWL	0.005
	PENWENSE	0.005

	Channel Bank Top/Bottom of Ditch or creek	
EH-CHANNEL-TOP-BOT	121	DIVIDED
EH-CHANNEL-CL	121	DIVIDED
EH-LAKE	121	DIVIDED
EH-MARSH	121	DIVIDED
EH-POND	121	DIVIDED
EH-RIVER	121	DIVIDED

EX-FENCE	Fence	4.3	FENCE	0.005
EX-FLAG-POLE	Flagpole	4.3	CONTINUOUS	0.005
EX-FOUNT	Fountain	4.3	CONTINUOUS	0.005
EX-GOLF	Golf course features	4.3	HIDEZY	0.005
EX-GROUND	Ground	4.3	CONTINUOUS	0.005
EX-MAIL	Mailbox	4.3	CONTINUOUS	0.005
EX-MISC	Other	4.3	CONTINUOUS	0.005
EX-PARK	Park features (except park)	4.3	CONTINUOUS	0.005
EX-PEDSTALS	Pedestal (non-utility)	4.3	CONTINUOUS	0.005
EX-POOL	Swimming pool	4.3	HIDEZY	0.005
EX-POOL-MISC	Railroad - other	4.3	CONTINUOUS	0.005
EX-RR-BOW	Railroad - bow	4.3	CONTINUOUS	0.005
EX-RR-TRACKS	Railroad - tracks	4.3	CONTINUOUS	0.005
EX-SIGN	Sign	4.3	CONTINUOUS	0.005
*EX-TEXT	Text (non-plot map)	4.3	CONTINUOUS	0.005
EX-WEILLS	Weil	4.3	CONTINUOUS	0.005

[illegible]

PLAT MAP				
EO-BORDER	Sheet border	40	CONTINUOUS	0.005
EO-DIM	Dimension	40	CONTINUOUS	0.005
EO-HATCH	Hatch pattern	40	CONTINUOUS	0.005
EO-LEGEND	Legend	40	CONTINUOUS	0.005
EO-TABLES	Table	40	CONTINUOUS	0.005
EO-TITLE	Text (for plot map)	40	CONTINUOUS	0.005
EO-WMAP	Title block text and lines	40	CONTINUOUS	0.005
	Venality map	40	CONTINUOUS	0.005

		STRUCTURES			
ES-BLDG	Building	120	HIDDEN2	0.005	
ES-STRUC	Other structures	120	CONTINUOUS	0.005	
ES-MISC	Other structures	120	CONTINUOUS	0.005	
ES-TANK	Tank	120	CONTINUOUS	0.005	
ES-WALL	Wall	120	CONTINUOUS	0.005	
SU-BENCHMARK	Benchmark				
SU-STATEOUT	Survey line (as only)			0.010	
SU-SURVEYLINE	Survey line			0.010	
SU-TAVV	Control monument			0.010	
SU-TAVV-PNTS	Traverse point			0.010	

TOPOGRAPHICAL		Major contour	30	HIDDEN2	0.005
		Minor contour	110	HIDDEN2	0.005
UTILITIES					
EU-CATV	Cable TV	52	CABLE	0.005	
EU-ELECTRIC-OHND	Overhead Electric	52	OE	0.005	
EU-ELECTRIC-UNDG	Underground Electric	52	UE	0.005	
EU-GAS	Gas	52	GA	0.005	
EU-POLE	Utility/Light Pole	52	CONTINUOUS	0.005	
EU-SEWER	Sewer	52	SANITARY	0.005	
EU-SIGNAL	Traffic signal (100')	52	UU	0.005	
EU-STORM	Storm water	52	HIDDEN2	0.005	
EU-TELE-OHND	Telephone	52	OT	0.005	
EU-TELE-UNDG	Telephone	52	UT	0.005	
EU-WATER	Water	52	WATER	0.005	
EU-FIBER-OPTIC-OHND	Overhead Fiber Optic Line	52	OF	0.005	
EU-FIBER-OPTIC-UNDG	Underground Fiber Optic Line	52	FO	0.005	

VEGETATION		
EY-COVER	Ground cover	70
EY-PLANTER	Planter	70
EY-SHRUB	Shrub, bush, hedge	70
EY-TREE	Tree	70
		CONTINUOUS
		CONTINUOUS
		CONTINUOUS
		CONTINUOUS
		CONTINUOUS

NOTE: ALL TEXT FOR EXISTING ITEMS SHOULD USE L60 TEXT STYLE WITH 1.2 HEIGHT, UNLESS OTHERWISE NOTED ON THIS SHEET.





SYMBOLS

NAME	SYMBOL	OBJECT SIZE	LAYER	REMARKS
IRON PIN FOUND	○	$R_1 = .75 / R_2 = 1$	EB-PROP-COR	
IRON PIN SET	●	$R_1 = .50 / R_2 = 1$	EB-PROP-IPS	
R-O-W MONUMENT	■	1.4 x 1.4	EB-ROW	
CONTROL MONUMENT	▲	$R = .25 / L = 3.35$	SU-TRAV	
FENCE POST — NO FENCE	⊗	$R = 1$	EX-FENCE	
PK NAIL	⊕	$R = 1 / H = .7$	SU-TRAV-PNTS	
TRAVERSE POINT	⊕	$R = 1 / H = .7$	SU-TRAV-PNTS	
BENCH MARK	⊕	$R = 2 / L = 5.2$	SU-BENCHMARK	
GAS VALVE	⊕	$R = .8$	EU-GAS	
WATER VALVE	⊕	$R = .8 / L = 1.6$	EU-WATER	
WATER METER	⊕	1.2 X 1.8	"	
WATER BOX	⊕	2 X 3	"	
FIRE HYDRANT	⊕	$R = .8 / L = 1$	"	
SANIT. SEWER MANHOLE	⊕	$R = 1.25$	EU-SEWER	
SANIT. SEWER CLEAN OUT	⊕	$R = 1.25$	EU-SEWER	
STORM DRAINAGE MANHOLE	⊕	$R = 1.25$	EU-STORM	
WATER MANHOLE	⊕	$R = 1.25$	EU-WATER	
POWER MANHOLE	⊕	$R = 1.25$	EU-ELECTRIC-UND	
TELEPHONE MANHOLE	⊕	$R = 1.25$	EU-TELE-UND	
TELEPHONE PEDESTAL	⊕	1.8 X 1.3	EU-TELE-UND	
WELL	⊕	$R = .8$	EX-WELLS	
MONITORING WELL	⊕	$R = .8$	EX-WELLS	
EXISTING SIGN	→	$R = .4 / L = 4.8$	EX-SIGN	
MAIL BOX	MB	1 X 2	EX-MAIL	
UTILITY POLE	⌵	$R = .8 / L = 1$	EU-POLE	
LIGHT POLE	⌵	$R = .8 / L = .8$	"	
UTILITY POLE WITH LIGHT	⌵	$R = .8 / L = 1$	"	
GUY WIRE	—	$L_1 = 4 / L_2 = 1.75$	"	
DROP INLET	□	3 X 3	EU-STORM	
CATCH BASIN	□	3 X 2	"	
FLOW ARROW	→	$L_1 = 2.5 / L_2 = 2$ $R_{mid} = .8 / R_{out} = 1$ ARROWHEAD = .15	"	
FLARED END SECTION	→	1.5 X 3 / L = 3	"	
GUARDRAIL	—		EP-GUARDRAIL	Length and shape vary
ARROW	→	ARROWHEAD = .15	[VARIES]	Length varies
LG AREA MARKER	↷	GAP = 10 / R = 2.75	"	
SM AREA MARKER	~		"	
OWNER INFO	①	ROMANC / 3.0 / CENTER R = 3.40	EB-PROP-LINE	Sample shown

Attach "SP" label if it is a SERVICE POLE only

Insertion pt

LINE

NAME	SYMBOL	LAYER	REMARKS
EXST. PROPERTY LINE	_____	EB-PROP-LINE	
EXST. EASEMENT	_____ E _____	EB-EASEMENT	
MAINTAINED AS RIGHT OF WAY	_____ FW _____	EB-ROW	
PUBLIC STORM DRAINAGE EASE.	_____	EB-PDE	
STORM DRAINAGE EASEMENT	_____ SDE _____	EB-SDE	
EXST. DRAIN PIPE	_____  _____	EU-STORM	Draw to pipe to scale
EXISTING FENCE	_____ X  _____	EX-FENCE	sample label
EXISTING WATER	_____  _____	EU-WATER	
EXISTING SEWER	_____  _____	EU-SEWER	
EXISTING GAS	_____ G _____	EU-GAS	
EXST. 0'HEAD UTILITY	_____ OE _____	EU-ELECTRIC-OVHD	
EXST. 0'HEAD TELEPHONE	_____ OT _____	EU-TELE-OVHD	
UGROUND TELEPHONE	_____ UT _____	EU-TELE-UNDG	
UGROUND POWER	_____ UE _____	EU-ELECTRIC-UNDG	
UGROUND CABLE TV	_____ TV _____	EU-CATV	
UGROUND FIBER OPTIC	_____ FO _____	EU-FIBER-OPTIC-UNDG	
EXST. 0'HEAD FIBER OPTIC	_____ OF _____	EU-FIBER-OPTIC-OVHD	

NOTE: 1. LINETYPES SHALL BE PER CITYSTD.LIN. SEE LINETYPE EXAMPLE SHEET.













2. THESE LINETYPES ARE FOR NON-SPECIFIC UTILITIES. USE UTILITIES SPECIFIC LINETYPE FROM CITYSTD.LIN AS APPLICABLE.

ABBREVIATIONS

ABAND.	ABANDONED	MONO	MONOLITHIC
ASPH	ASPHALT	PAVT	PAVEMENT
B/C	BACK OF CURB	PERM	PERMANENT
C/L FENCE	CHAIN LINK FENCE	PP	POWER POLE
C&G	CURB & GUTTER	PROP.	PROPOSED
CB	CATCH BASIN	PRPTY	PROPERTY
CMP	CORRUGATED METAL PIPE	ROP	REINFORCED CONCRETE PIPE
CONC	CONCRETE	RELOC	RELOCATE / RELOCATED
CONST	CONSTRUCT / CONSTRUCTION	S/R FENCE	SPLIT RAIL FENCE
DI	DROP INLET	STD	STANDARD
DW	DRIVEWAY	SW	SIDEWALK
ELEV	ELEVATION	T/W	TEST WIRE BOX (for gvs)
ESMT	EASEMENT	TEMP	TEMPORARY
EXIST.	EXISTING	V. GUTTER	VALLEY GUTTER
F/C	FACE OF CURB	VERT	VERTICAL
FH	FIRE HYDRANT	W. BOX	WATER BOX
GV	GAS VALVE	W. VAULT	WATER VAULT
HORIZ	HORIZONTAL	WM	WATER METER
LP	LIGHT POLE	WV	WATER VALVE
MH	MAN HOLE		

*NOTE: ADDITIONAL LAYERS FOR EXISTING TEXT MAY BE CREATED FOR INDIVIDUAL SURVEYED FEATURES. ADDITIONAL TEXT LAYERS SHALL FOLLOW THIS NAMING CONVENTION: EU-LAYER NAME--\$T (eg. EU-ELECTRIC--\$T, EX-SIGN--\$T, etc.) THIS SHEET PROVIDES A PARTIAL LIST OF LAYERS SEE THE STANDARD TEMPLATE.

TREES

<p>LAYER: EV-TREE</p> <p>R_{canopy} = 2.25' – 12.00'</p> <p>R_{trunk} = 0.25' – 1.50'</p>		<p>6" WILLOW</p> 		<p>12" OAKLE CHERRY</p> 		<p>18" MAPLE</p> 		<p>24" PALM</p> 		<p>LAYER: EV-SHRUB</p> <p>R_{tot} = 3.25 and 6.00'</p>	
<p>• Size accordingly</p> <p>• Samples shown</p>		<p>[0' – 8']</p>		<p>[9' – 15']</p>		<p>[16' – 21']</p>		<p>[22' – 30']</p>		<p>[31' – 42']</p>	
										<p>[43" +]</p>	
										<p>• Size accordingly</p>	

SIRCS

small
4' and under

large
over 4'