

CADD STANDARDS FOR DESIGN

07/01/2008

LAYERS

LAYER NAME USED FOR COLOR LINETYPE WIDTH

BOUNDARIES

PB-EASEMENT-CE	Conservation Easement	11	PERMDRAIN	0.010
PB-EASEMENT-SDE	Storm Drainage Easement	11	DRAINEASE	0.010
PB-EASEMENT-SUE	Sidewalk/Utility Ease.	11	SUE	0.010
PB-EASEMENT-UTE	Utility Easement	11	UTE	0.010
PB-EASEMENT-TEMP	Temp. Const. Easement	11	TEMPEASE	0.010
PB-PROP-LINE	Proposed Property line	23	PROP	0.020
PB-LIMITS-CUT	Cut line	GREEN	CSLOPE	0.010
PB-LIMITS-FILL	Fill line	GREEN	FSLOPE	0.010
PB-STAKING-PL	Staking/Offset	11	CONTINUOUS	0.010
PB-STAKING-IMPR	Staking/Offset	11	CONTINUOUS	0.010

DETAIL SHEETS

QF-DETAIL-005	Detail @ PW = .005	33	CONTINUOUS	0.005
QF-DETAIL-010	Detail @ PW = .010	RED	CONTINUOUS	0.010
QF-DETAIL-015	Detail @ PW = .015	BLUE	CONTINUOUS	0.015
QF-DETAIL-EXISTING	"Existing" part of detail	WHITE	HIDDEN2	0.005
QF-DETAIL-HATCH	Hatching for details	BLUE	CONTINUOUS	0.015
QF-GENNOTES	General notes	GREEN	CONTINUOUS	0.010

DRAINAGE

PD-DITCH	Ditch/Channel/Swale	CYAN	CONTINUOUS	0.015
PD-DITCH-BL	Ditch baseline	YELLOW	CONTINUOUS	0.010
PD-STORM	Storm drain pipe/structure	131	CONTINUOUS	0.010
PD-STORM-TEXT	Storm Drainage Text	CYAN	CONTINUOUS	0.015
PD-CONT-MJR	Major Contour	MAGENTA	CONTINUOUS	0.015
PD-CONT-MNR	Minor Contour	YELLOW	CONTINUOUS	0.010

HATCHING

PHTCH-ASPHALT	Asph drive/lot	254	CONTINUOUS	0.005
PHTCH-CONCRETE	Conc C/S, drive/lot	253	CONTINUOUS	0.010
PHTCH-GRASS	Bio-Engineering Veg. Channeling	21	CONTINUOUS	0.005
PHTCH-GRAVEL	Gravel drive/lot	41	CONTINUOUS	0.005
PHTCH-PAVEMENT	New pavement	254	CONTINUOUS	0.001
PHTCH-REMOVAL	Pavement removal	253	CONTINUOUS	0.010
PHTCH-RIPRAP	Rip-rap ditch	21	CONTINUOUS	0.005
PHTCH-SIDEWALK	Sidewalk	253	CONTINUOUS	0.010
PHTCH-PROFILE	Storm Drainage	191	CONTINUOUS	0.015
PHTCH-MISC	Misc. Hatching	253	CONTINUOUS	0.010

MISCELLANEOUS

PM-BASELINE	Baseline, curve data	MAGENTA	CONTINUOUS	0.015
PM-BASELINE-TEXT	Bearing Text	MAGENTA	CONTINUOUS	0.015
PM-FENCE	Fence	YELLOW	FENCE	0.010
PM-NOTE	Notes	BLUE	CONTINUOUS	0.015
PM-PROTECT	Tree protection/removal	20	CONTINUOUS	0.010
PM-STRUCTURE	Bridge, Retaining Wall, Etc.	BLUE	CONTINUOUS	0.015
PM-TEXT	Text	MAGENTA	CONTINUOUS	0.015
PM-UTILITY-GAS	Proposed Gas	YELLOW	GAS	0.010
PM-UTILITY-OVHD	Proposed Overhead Utility	YELLOW	OU	0.010
PM-UTILITY-SAN	Proposed Sewer	YELLOW	SEWER	0.010
PM-UTILITY-UNGD	Proposed Underground Utility	YELLOW	UU	0.010
PM-UTILITY-WATER	Proposed Water	YELLOW	WATER	0.010
PM-VEG	Tree, Shrub, Etc.	GREEN	CONTINUOUS	0.010
PM-TBLOCK-TEXT	Text/Notes	21	CONTINUOUS	0.005
PM-TBLOCK-HEADER	Header	BLUE	CONTINUOUS	0.015

PAVEMENT

PP-CURB	Curb & gutter	MAGENTA	CONTINUOUS	0.015
PP-DRIVE	Driveway	MAGENTA	CONTINUOUS	0.015
PP-GUARDRAIL	Guardrail/Handrail	42	GDR	0.015
PP-PAINT	Pvmt. marking/Dir. arrow	8	CONTINUOUS	0.010
PP-ROAD	Edge of pavt	MAGENTA	CONTINUOUS	0.015
PP-RRTRACKS	Rail Road Tracks	43	RR	0.010
PP-SAWCUT	Sawcut line	YELLOW	DOT	0.010
PP-SIDEWALK	Sidewalk/Step	MAGENTA	CONTINUOUS	0.015
PP-SILT-FENCE	Silt Fence	62	SILT	0.025

DRAWING SPACE

PS-MATCH	Match line	BLUE	CONTINUOUS	0.015
PS-MVIEW	Viewport	WHITE	CONTINUOUS	0.005
PS-STAMP	Stamps	62	CONTINUOUS	0.025
PS-TBLOCK-NOTES	Notes	21	CONTINUOUS	0.005
PS-TBLOCK-HEADER	Header	BLUE	CONTINUOUS	0.015
PS-TBLOCK-TEXT	Title Block Text	BLUE	CONTINUOUS	0.015
MS-TEXT	Text	MAGENTA	CONTINUOUS	0.015
MS-ROAD-TEXT	Road/Alignment Name	CYAN	CONTINUOUS	0.015

PROFILE/CROSS SECTIONS

PF-GRID-INDEX	Grid	151	CONTINUOUS	0.010
PF-GRID-INTER	Grid	9	CONTINUOUS	0.005
PF-PFQC	Finish Grade	220	CONTINUOUS	0.025
PF-PEOC	Existing Grade	GREEN	HIDDEN2	0.010
PF-STORM-LT	Storm Drainage	180	CONTINUOUS	0.020
PF-STORM-RT	Storm Drainage	30	CONTINUOUS	0.020
PF-UTILITY-SAN	Proposed Sewer	BLUE	CONTINUOUS	0.015

SYMBOLS

NAME	SYMBOL	OBJECT SIZE	LAYER	REMARKS
TREE BARRICADE		LINE WIDTH = .60	PM-PROTECT	Length and shape vary
TREE REMOVAL		LINE WIDTH = .60	PM-PROTECT	Length and shape vary
STORM DRAINAGE MANHOLE		RADIUS = 2.50	PD-STORM	1 Symbol with structure # (on plan view and profile)
CATCH BASIN		BOX = 4.6 X 3	PD-STORM	1 Symbol with structure # (on plan view and profile)
YARD INLET		BOX = 3.5 X 2.5	PD-STORM	1 Symbol with structure # (on plan view and profile)
OFFSET CATCH BASIN		BOX = 4.6 X 5	PD-STORM	1 Symbol with structure # (on plan view and profile)
UTILITY POLE		RADIUS = 0.8	PM-UTILITY	
FLARED END SECTION		2.4 x 3.5 LONG = 7.2	PD-STORM	
PROPOSED WATER VALVE		3.6 X 1.6	PM-UTILITY	
LIGHT POLE		RADIUS = 0.8	PM-UTILITY	
HANDICAP ACCESSIBLE RAMP		5.0 X 3.2	PM-TEXT	

HATCHING

APPLIC. SAMPLE HATCH SCALE LAYER COLOR

SIDEWALK		SOLID	N/A	PHTCH-SIDEWALK	253
PROPOSED PAVEMENT (e.g. widening, restoration)		SOLID	N/A	PHTCH-PAVEMENT	254
CONCRETE (e.g. ACC, c&g, driveway, etc.)		SOLID	N/A	PHTCH-CONCRETE	253
PROFILE STORM DRAINAGE (Left or Right) (pipes, catch basins, etc.)		SOLID	N/A	PHTCH-PROFILE	191
ASPHALT DRIVEWAY		SOLID	N/A	PHTCH-ASPHALT	254
PAVT REMOVAL		ANSI37	20.0	PHTCH-REMOVAL	253
GRAVEL		GRAVL1	5.0	PHTCH-GRAVEL	41
RIP-RAP		GRAVL1	6.0 & 10.0	PHTCH-RIPRAP	21
BIO-ENGINEERING VEG. CHANNELING		GRASS	5.0	PHTCH-GRASS	21

TEXT

TEXT TYPE TEXT SAMPLE TEXT STYLE/FONT/HEIGHT

PROPOSED WORK	REMOVE ASPHALT BETWEEN...	L80 / SIMPLEX / 1.6
MATCH LINE	MATCH LINE -X-	L175 / SIMPLEX / 3.5
STREET NAME	XXXX ST	L175 / SIMPLEX / 3.5
"NOTES" heading	NOTES	L175 / SIMPLEX / 3.5
SHEET NOTE	1. THIS PLAN...	L100 / SIMPLEX / 2.0

LINES

NAME	LINETYPE	LAYER	REMARKS
PROPOSED PROPERTY LINE		PB-PROP-LINE	
SLOPE STAKE CUT LINE		PB-LIMITS-CUT	
SLOPE STAKE FILL LINE		PB-LIMITS-FILL	
CONSERVATION EASEMENT		PB-EASEMENT-CE	
STORM DRAINAGE EASEMENT		PB-EASEMENT-SDE	
TEMP. CONSTRUCTION EASEMENT		PB-EASEMENT-TEMP	
SIDEWALK/UTILITY EASEMENT		PB-EASEMENT-SUE	
UTILITY EASEMENT		PB-EASEMENT-UTE	
PROPOSED STORM DRAINAGE PIPE		PD-STORM	Draw pipes to scale. Show pipe wall thickness.
PROPOSED FENCE		PM-FENCE	
PROPOSED WATER		PM-UTILITY-WATER	
PROPOSED SEWER		PM-UTILITY-SAN	
PROPOSED GAS		PM-UTILITY-GAS	
PROPOSED UNDERGROUND		PM-UTILITY-UNGD	See Note 2
PROPOSED OVERHEAD		PM-UTILITY-OVHD	See Note 2
PROPOSED GUARDRAIL		PP-GUARDRAIL	
PROPOSED SILT FENCE		PP-SILT-FENCE	

NOTE: 1. LINETYPES SHALL BE PER CITYSTD.LIN ALSO SEE LINETYPE EXAMPLE SHEET.
2. THESE LINETYPES ARE FOR NON-SPECIFIC UTILITIES. USE UTILITY SPECIFIC LINETYPE FROM CITYSTD.LIN AS APPLICABLE.

ABBREVIATIONS

ABAND.	ABANDONED	HOPE	HIGH-DENSITY POLYETHYLENE PIPE
ACOMP	ASPHALT COATED CORRUGATED METAL PIPE	HW	HEADWALL
ASPH	ASPHALT	HORIZ	HORIZONTAL
B/C	BACK OF CURB	INV	INVERT
C OR C/L	CENTER LINE	JB	JUNCTION BOX
CL FENCE	CHAIN LINK FENCE	JB W/MH	JUNCTION BOX WITH MANHOLE
C&G	CURB & GUTTER	LF	LINEAR FEET
CB	CATCH BASIN	LP	LIGHT POLE
CILD	CHARLOTTE-MECKLENBURG LAND DEVELOPMENT	MH	MANHOLE
CMP	CORRUGATED METAL PIPE	MONO	MONOLITHIC
CMAUD/CMU	CHARLOTTE-MECKLENBURG UTILITY DEPARTMENT	mph	MILES PER HOUR
CONC	CONCRETE	NTS	NOT TO SCALE
CONST	CONSTRUCT / CONSTRUCTION	PAVT	PAVEMENT
DOB	DOUBLE CATCH BASIN	PROP.	PROPOSED
DB	DEED BOOK	PVC	POLYVINYL CHLORIDE PIPE
DI	DROP INLET	RCP	REINFORCED CONCRETE PIPE
DIP	DUCTILE IRON PIPE	RELOC	RELOCATE / RELOCATED
DIA	DIAMETER	S/R FENCE	SPLIT RAIL FENCE
DW	DRIVEWAY	SS	SANITARY SEWER
ELEV OR EL	ELEVATION	SSCO	SANITARY SEWER CLEANOUT
EOP	EDGE OF PAVEMENT	SW	SIDEWALK
ESMT	EASEMENT	TCE	TEMP CONST ESMT
EXIST OR EX	EXISTING	T/W	TEST WIRE BOX
F/C	FACE OF CURB	TEMP	TEMPORARY
FES	FLARED END SECTION	VCP	VITRIFIED CLAY PIPE
FI	FIRE HYDRANT	VERT	VERTICAL
FOC	FIBER OPTIC CABLE	W. VAULT	WATER VAULT
GV	GAS VALVE	WL	WATER LINE
		WM	WATER METER
		WV	WATER VALVE

NOTE: OTHER ABBREVIATIONS MAY BE ADDED IF NECESSARY

NOTE: 1. ALL TEXT FOR PROPOSED ITEMS SHOULD USE L80 TEXT STYLE WITH 1.6 HEIGHT UNLESS OTHERWISE NOTED ON THIS SHEET.
2. ALL STANDARDS ON THIS SHEET ARE BASED ON A SCALE OF 1" = 20'. IF ANOTHER SCALE IS USED, REVISE ACCORDINGLY.
3. THIS SHEET PROVIDES A PARTIAL LIST OF LAYERS SEE THE STANDARD TEMPLATE FOR ALL LAYERS.
4. USE CITYSTD.CTB CONFIGURATION FILE AND PLOT IN BLACK.