CADD STANDARDS FOR STORMWATER

LAYER NAME	USED FOR	COLOR	LINETYPE
BOUNDARIES			
PB-DISTURBED LIMITS	Limits of construction area	cyan	LOD
PB-EASEMENT-PCCE	Permanent access easement	cyan	PCCE
PB-EASEMENT-PUE	Permanent utility easement	cyan	PUE
PB-EASEMENT-SDE	Storm drainage easement	cyan	DRAINEASE
PB-EASEMENT-SSE	Sanitary sewer easement	cyan	SEWEREASE
PB-EASEMENT-SUE	Sidewalk utility easement	cyan	SUE
PB-EASEMENT-TEMP	Temporary construction easement	cyan	TCE
PB-LIMITS-CUT	Edge of cut area	cyan	CSLOPE
PB-LIMITS-FILL	Edge of fill area	cyan	FSLOPE
PB-PROP-LINE	New property line	cyan	PROP
PB-PROTECT	Tree protection	cyan	Continuous
PB-SILT-FENCE	Construction silt fencing	cyan	SILT
DESIGN			
PD - feature lines	Temporary design lines	white	Continuous
PD - profiles	Temporary design lines	white	Continuous
PD-BASELINE	Alignment creation	magenta	Continuous
PD-BASELINE-MARKER	Alignment creation	magenta	Continuous
PD-BASELINE-SE-VIEW	Alignment creation	magenta	Continuous
PD-BASELINE-TABLE	Alignment creation	magenta	Continuous
PD-BASELINE-TEXT	Alignment creation	magenta	Continuous
PD-CONT-GRID	Contour lines in profile	70	Continuous
PD-CONT-MJR	Major contour lines	magenta	Continuous
PD-CONT-MNR	Minor contour lines	yellow	Continuous
PD-DITCH-BL	Ditch line	yellow	DITCHLINE
PD-ELEVATIONS-TEXT	Finished grade labels	magenta	Continuous
PD-FENCE	New fence line	cyan	FENCE
PD-LIMITS-CUT	Edge of cut area	cyan	CSLOPE
PD-LIMITS-FILL	Edge of fill area	cyan	FSLOPE
PD-STORM	New storm drainage	131	Continuous
PD-STORM-PLAN	New storm drainage	131	Continuous
PD-STORM-PROFILE	New storm drainage	131	Continuous
PD-STORM-SECTION	New storm drainage	131	Continuous
PD-STORM-TEXT	New storm drainage text	magenta	Continuous
PD-TEXT	Design text	magenta	Continuous
PROFILES			
PF-GRID	Profile grid lines	white	Continuous
PF-GRID-INDEX	Profile grid lines	151	Continuous
PF-GRID-INTER	Profile grid lines	9	Continuous
PF-GRID-TEXT	Profile grid text	magenta	Continuous
PF-PEGC	Existing grade on profile	green	HIDDEN2
PF-PFGC	Finished grade on profile	220	Continuous
PF-PFGC-LINE-EXT	Finished grade on profile	white	Continuous
PF-PFGC-POINT	Finished grade on profile	white	Continuous
PF-SAMPLE-LINE	Sample line	magenta	Continuous
PF-STORM-LT	Storm drainage on profile	160	Continuous
PF-UTILITY CROSSING	Utility crossing on profile	yellow	Continuous
PF-UTILITY-SAN SWR	Sanitary sewer on profile	yellow	Continuous
PF-UTILITY-SAN SWR-HATCH	Sanitary sewer on profile	yellow	Continuous
HATCHING			
PHTCH-ASPHALT	Asphalt hatching	254	Continuous
PHTCH-CONCRETE	Concrete hatching	253	Continuous
PHTCH-FLOWABLE FILL	Flowable Fill hatching	251	Continuous
PHTCH-GRASS	Grass hatching	21	Continuous
PHTCH-GRAVEL	Gravel hatching	41	Continuous
PHTCH-MILLING	Pavement milling hatching	253	Continuous
PHTCH-MISC	Miscellaneous hatching	253	Continuous
PHTCH-PROFILE	Profile hatching	191	Continuous
PHTCH-REMOVAL	To-Be-Removed hatching	253	Continuous
PHTCH-RIPRAP	Riprap hatching	21	Continuous
PHTCH-STORM	Stormwater hatching	250	Continuous
PAVEMENT			
PP-CURB	New curb	magenta	Continuous
PP-GUARDRAIL	New guardrail	42	GDR
PP-ROAD	New road edge	magenta	Continuous
PP-SAWCUT	Edge of sawcut area	yellow	HIDDEN2
PP-SIDEWALK	New sidewalk	magenta	Continuous
TITLEBLOCK			
PT-MATCH-VPMASK	Matchline	255	Continuous
PT-MVIEW	Viewport	white	Continuous
PT-TBLOCK-BORDER	Titleblock border	blue	Continuous
PT-TBLOCK-HATCH	Titleblock hatching	252	Continuous
PT-TBLOCK-TEXT	Titleblock text	blue	Continuous
UTILITIES			
PU-ELECTRIC-OVHD	New overhead electric	12	OE
PU-ELECTRIC-UNGD	New underground electric	12	UE
PU-FIBER	New fiber optic line	32	FO
PU-GAS	New gas line	yellow	GAS
PU-SEWER	New sanitary sewer	green	SANITARY
PU-SEWER-TEXT	New sanitary sewer text	white	Continuous
PU-TELE-UNGD	New underground telephone	32	UT
PU-WATER	New water line	162	WATER

SYMBOL USE	SYMBOL	LAYER
Existing Tree		EV-TREE
Existing Water Meter	WM	EU-WATER
Existing Water Valve	WV	EU-WATER
Existing Gas Valve	GV	EU-GAS
Existing/Proposed Fire Hydrant	/	EU-WATER/PM-WATER
Existing/Proposed Sanitary Sewer Manhole	S / S	EU-SEWER/PD-SEWER
Existing/Proposed Storm Drainage Junction Box	D / D	EU-STORM/PD-STORM
Existing/Proposed Catch Basin	/	EU-STORM/PD-STORM
Existing/Proposed Drop Inlet	/	EU-STORM/PD-SEWER
Existing/Proposed Telephone Manhole	T / T	EU-TELE/PM-UTILITY-TELE
Existing/Proposed Electric Manhole	E / E	EU-ELECTRIC/PM-UTILITY-ELEC
Existing/Proposed Light Pole	/	EU-ELECTRIC/PM-UTILITY
Existing/Proposed Utility Pole	/	EU-ELECTRIC/PM-UTILITY
Guy Wire		EU-ELECTRIC
Iron Pin		EB-PROP-COR
Accessible Ramp		PP-SIDEWALK
Foundation Protection	FP	PM-TEXT
Tree Protection		PM-PROTECT
Proposed Guardrail		PP-GUARDRAIL
Silt Fence		PB-SILT-FENCE

LINE NAMES	LINETYPE	LAYER
Existing Property Line		EB-PROP-LINE
Maintained as R/W Line		EB-ROWL-LINE
Existing Structures		ES-BLDG
Railroad Tracks		PP-RR-TRACKS
Fence	x	PM-FENCE
Slope Stake Line	F	PB-LIMITS-FILL
Temporary Construction Easement	TCE	PB-EASEMENT-TEMP
Sidewalk Utility Easement	SUE SUE	PB-EASEMENT-SUE
Storm Drainage Easement	SDE SDE	PB-EASEMENT-SDE
Sanitary Sewer Easement	SSE	PB-EASEMENT-SSE
Private Utility Easement	PUE PUE	PB-EASEMENT-PUE
Permanent Storm Drainage Easement	PSDE	EB-EASEMENT-PSDE
Public Drainage Easement	E	EB-EASEMENT
Existing/Proposed Gas Line	G G	EU-GAS/PU-GAS
Existing/Proposed Water Line	W W	EU-WATER/PU-WATER
Existing/Proposed Sanitary Sewer	SS SS	EU-SEWER/PU-SEWER
Existing/Proposed Underground Telecommunications	UT UT UT UT	EU-TELE-UNGD/PU-TELE-UNGD
Existing/Proposed Underground Electric	UE UE UE UE	EU-ELECTRIC-UNGD/PU-ELECTRIC-UNGD
Existing/Proposed Overhead Electric	OE OE OE OE	EU-ELECTRIC-OVHD/PU-ELECTRIC-OVHD
Existing Storm Drainage		EU-STORM
Proposed RCBC Storm Drainage		PD-STORM
Proposed Circular Storm Drainage		PD-STORM
CIPP Pipe Liner		EU-STORM

ABBREVIATIONS

ABAND.....ABANDONED
A.D.....ALGEBRAIC DIFFERENCE
ASPH.....ASPHALT
APPROX.....APPROXIMATELY
B/C.....BACK OF CURB
BIT.....BITUMINOUS
BM.....BENCH MARK
BRG.....BEARING
CB.....CATCH BASIN
C&G.....CURB AND GUTTER
CL.....CLEARANCE
C/L FENCE.....CHAIN LINK FENCE
CMP.....CORRUGATED MTL PIPE
CONC.....CONCRETE
CONST.....CONSTRUCTION
DB.....DEED BOOK
DCB.....DOUBLE CB
DI.....DROP INLET
DIA.....DIAMETER
DW.....DRIVEWAY
DIM.....DIMENSION
E.....EAST/EASTING/ESMT
EA.....EACH
ELEV.....ELEVATION
EOP.....EDGE OF PAVEMENT
ESMT.....EASEMENT
EX.....EXISTING
F/C.....FACE OF CURB
FES.....FLARED END SECTION
FH.....FIRE HYDRANT
FOC.....FIBER OPTIC CABLE
FP.....FOUNDATION PROTECTION
GV.....GAS VALVE
HORIZ.....HORIZONTAL
INT.....INTERSECTION
INV.....INVERT
IP.....IRON PIN SET
L.....LENGTH
LF.....LINEAR FOOTAGE
LT.....LEFT
lb.....POUND
LP.....LIGHT POLE
MAX.....MAXIMUM
MIN.....MINIMUM
MONO.....MONOLITHIC
mph.....MILES PER HOUR
MTL.....METAL
N.....NORTH/NORTHING
NTS.....NOT TO SCALE
O/H.....OVER HEAD
OC.....ON CENTER
PAVT.....PAVEMENT
PSDE.....PERM DRAINAGE ESMT
PC.....POINT OF CURVATURE
PERM.....PERMANENT
PG.....PAGE
PI.....POINT OF INT
PK.....PK NAIL SET
PP.....POWER POLE
PR.....PROPOSED
PSE.....PERM SW ESMT
PT.....POINT OF TANGENCY
PVI.....POINT OF VERT INT
PUE.....PERM UTILITY ESMT
r.....RADIUS
RT.....RIGHT
RCP.....REINFORCED CONC PIPE
RELOC.....RELOCATE
R/W.....RIGHT OF WAY
S.....SOUTH
SD.....STORM DRAIN
SDE.....STORM DRAIN ESMT
SF.....SQUARE FOOT
S/R FENCE.....SPLIT RAIL FENCE
SS.....SANITARY SEWER
STA.....STATION
STD.....STANDARD
SW.....SIDEWALK
TAN.....TANGENT
TCE.....TEMP CONST ESMT
TEMP.....TEMPORARY
TP.....TRAVERSE POINT
T/W.....TEST WIRE
TYP.....TYPICAL
U/G.....UNDER GROUND
VC.....VERTICAL CURVE
VERT.....VERTICAL
W.....WEST
W/.....WITH
WM.....WATER METER
W VAULT.....WATER VAULT
WV.....WATER VALVE
60p.....SIXTY PENNY NAIL SET
'.....FOOT
''.....INCH

HATCH USE	SAMPLE	HATCH NAME	SCALE	LAYER
Proposed Curb & Gutter, Conc. Drive, Sidewalk		SOLID	1.0	PHTCH-CONCRETE
Proposed Asphalt Pavement		SOLID	1.0	PHTCH-ASPHALT
Proposed Rip Rap		GRAVL1	0.25	PHTCH-RIPRAP
Proposed Gravel		GRAVL1	0.25	PHTCH-GRAVEL
Proposed Sidewalk Bridging Tree Roots		NET3	0.60	PP-SIDEWALK
Sidewalk Cross Slope Transition		FLEX	0.27	PP-SIDEWALK
Asphalt Milling		ANSI37	1.0	PHTCH-REMOVAL
Proposed Flowable Fill		AR-SAND	0.10	PHTCH-FLOWABLE FILL
Erosion Control Matting		DOTS	1.0	PHTCH-GRASS

TEXT USE	TEXT STYLE/FONT/HEIGHT
PROPOSED WORK	**ARIAL / ARIAL / 0.10**
ROAD NAME LABEL XX' PUBLIC R/W	L60 / SIMPLEX / 0.15
EXISTING FEATURES	SIMPLEX / SIMPLEX / 0.08
1 TAX ID# XXX-XXX-XX PROPERTY OWNER NAME MB XX PG XXX DB: XXXXX-XXX STREET ADDRESS	L60 / SIMPLEX / 0.08

NOTES:

1. OTHER ABBREVIATIONS MAY BE ADDED AS NECESSARY.
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 TEMPLATE NAMED STORMWATER_NON-BID2022 FOR ALL LAYERS.
4. USE THE CITYSTD.CTB PLOT STYLE.