

# UNDERGROUND STRUCTURE DESCRIPTION AND IDENTIFICATION CODES

# UGS

REVISION: Updated Border, Table, Notes &amp; Format

CHECKED BY (ENGINEERING): SJ

CHECKED BY (FIELD): JH

PREPARED BY: SJR

DATE: 08/30/17

 APPROVED BY: *Stephen E. Saford*

STRUCTURE NAME	CADME CODE	OBSOLETE CODE	DESCRIPTION
Manhole	M	MH	Any size or shape subsurface box with 5 feet or more head room (ceiling height) at least 4 feet wide with a round man access cover and cone.
Vault	V	V	Any size or shape box, above or below grade with 5 feet or more head room, 4 feet minimum width with working space and room for transformers, switches or other equipment and with a minimum 4 feet wide equipment access opening.
Enclosure	E	E	An above grade fenced or walled area with or without a lop cover, with working space and room for transformers, switches or other equipment .
Pad	P	PM	A level above grade surface for supporting a padmounted transformer. May or may not cover a cable pulling/training box (slab-box or handhole).
Pulldox	X	PB	A subsurface box with minimum dimension of 2'x3'x3' (W x L x D) and maximum dimension of 3'x6'x6', for pulling and splicing 200 amp. class cables and/or housing up to three 200 amp. load-break junctions.
Buried Transformer Enclosure	B	BTE	A subsurface enclosure for housing a single-phase BURD transformer with ventilation generally using a grating for equipment access.
Commercial Subsurface Transformer Enclosure	C	CST	A subsurface enclosure for housing more than one single-phase BURD transformer, or one single-phase transformer and one or more 200 amp junctions, or a 3-phase BURD transformer. Enclosure covers and ventilation grating are the roof of the structure. Enclosures are at least 6' deep and 4' wide.
Subsurface Switch Enclosure	SE	SE	A subsurface enclosure without ventilation (solid covers) and may be only 3-1/2 feet deep for housing 200 amp junctions or a minimum of 6' deep when designed for a 600 amp submersible switch.
Burd	B $\triangle$	BSE	A subsurface enclosure without ventilation with switch equipment access used for above grade switching enclosure operation
Padmount Junction Cabinet	PJC $\triangle$	PJ, PIC $\triangle$	A level above grade surface for supporting either a 600 amp. or 200 amp. padmounted cable terminal bus (load-break or dead-break) with or without a ground sleeve/cable training/pulling box
Padmounted Switch Enclosure / Cabinet or Vault	PSE	PSC, PSV	A level above grade surface for supporting a padmounted switch (either air, oil, gas or vacuum) or a subsurface box (sec vault description) where or part of the roof is used to support a padmounted switch.
Service Box	SVB		A subsurface box for second cable.

CADME codes have been approved by the T & D Standards Committee at the meeting on X-XX-XX, to be used for underground structure identification.