

# BURIAL DEPTHS FOR YARD PIPING AND ELECTRICAL LINES

## NOTES

These burial depths apply outside of buildings within private property subject to the following provisions:

1. Not applicable to utility companies gas and electric lines.
2. May be laid in the same trench without horizontal separation except as noted for sewer and water lines.
3. Does not apply to automatic sprinkler system lines beyond control valves.

## SYMBOLS:

- Conduit
- Pipe
- Alternate Location
- Direct Burial Cable

ELECTRIC		GAS		SEWER		WATER	
		METAL (UNCOATED)		METAL		METAL (ABOVE GROUND)	
6"	RIGID METAL CONDUIT	○		○		○	
12"	RIGID METAL CONDUIT	○	METAL (COATED)	○	NON-METALLIC (APPROVED INSIDE BLDG.)	○	NON-METALLIC
18"	RIGID NONMETALLIC CONDUIT	○	NON-METALLIC	○	NON-METALLIC (NOT APPROVED INSIDE BLDG.)	○	METAL (BELOW GRADE)
24"	DIRECT BURIAL						
CEC 2010		CPC 2010 Sec. 1211.0		CPC 2010 Sec. 718.3 & 720		CPC 2007 Sec. 609.1 & 720	
Metal - Rigid conduit (coated) 6" minimum. Nonmetallic - Rigid conduit 18" minimum. Exception - Direct burial cable 24" minimum. (NEC Art. 300-5) Exceptions apply: 1) 6" less depth for 2" concrete pad over cable. Residential branch circuits rated 120 Volts or less with GFCI protection and maximum overcurrent protection of 20 amperes may be at 12".		Metal - (a) 6" above ground (uncoated and unwrapped), (b) 12" below ground (factory coated or machine wrapped). Nonmetallic - (PVC or PE) - 18" min. NOTE: Require approved plastic to metal transition fittings to rise above ground. Also, 18 GA. copper tracer wire required for non-metallic pipe.		Metal - No burial requirement (recommended 12" to protect from mechanical damage and freezing). Nonmetallic - (a) Pipe approved inside building - 12" minimum. (b) Pipe approved inside building - sewer to be 12" below water line with water pipe 12" to one side on a solid shelf - total depth 24", and 12" apart horizontally minimum.		Metal - At or above grade, or 12" minimum below grade. Nonmetallic - 12" minimum (plastic).	



## BURIAL DEPTHS

HELP FOR THE HOMEOWNER  
LA PALMA BUILDING AND SAFETY

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Building Official

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Date: