

CONTENTS

CHAPTER 1	INTRODUCTION	1
	Codes, permits and inspections	1
	Electrical service equipment inspection for new service	1
	How to contact Clark Public Utilities	2
CHAPTER 2	RESIDENTIAL ELECTRIC SERVICE GENERAL INFORMATION	3
	Definitions	3
	Service installation responsibilities	3
	Ownership and maintenance responsibilities	4
	Electrical system types	5
	Starting the installation process	5
	Service voltage	6
	Selecting a meter base location	7
	Trenching	7
	Locating and notifying underground utilities	7
	Joint use facilities	8
	Conduit	9
	Work clearances around transformers	9
	Electrical work on the customer side of the meter	9
	Cost for service	10
	Temporary services	11
	Permits	11
CHAPTER 3	UNDERGROUND SECONDARY SERVICES	13
	Preparing for the installation	13
	Site plan	15
	Secondary electric service trenches	16
	Secondary conductor and service entrance equipment	21
	Secondary pedestals	24
	Secondary conductor identification tags	25

CHAPTER 4	PRIMARY LINE EXTENSIONS	29
	Installation responsibilities	29
	Maintenance responsibilities	29
	Inspection and coordination	29
	Site preparation	30
	Primary trench	30
	Trench excavating requirements	30
	Primary voltage conduit	32
	Trench and backfill requirements	32
	Transformers	33
CHAPTER 5	RESIDENTIAL METER INSTALLATION	39
	Service rating options	39
	Responsibilities	39
	Meter bases	40
	Meter base location	40
	Clearance requirements for residential meter installations	41
	200 amp services	42
	400 amp services	44
	Services over 400 amps	45
	Customer generation metering	46
CHAPTER 6	TEMPORARY SERVICES	49
	Metered temporary service	50
APPENDIX		51
	Glossary	51
	New or Altered Electric Service Worksheet	55