

CONTENTS

CHAPTER 1	INTRODUCTION	1
	Codes, permits and inspections	1
	Electrical service equipment inspection for new service	1
	How to contact Clark Public Utilities	1
CHAPTER 2	COMMERCIAL ELECTRIC SERVICE	
	GENERAL INFORMATION	3
	Service installation responsibilities	3
	Ownership and maintenance responsibilities	4
	Starting the installation process	4
	Service voltage	4
	Motor loads	5
	Meter equipment location requirements	5
	Trenching	5
	Locating and notifying underground utilities	5
	Joint use facilities	6
	Conduit	7
	Work clearances around transformers	7
	Cost for service	7
	Temporary services	8
	Permits	8
CHAPTER 3	COMMERCIAL UNDERGROUND SERVICES	9
	Preparing for the installation	9
	Design responsibilities	10
	Ownership and maintenance responsibilities	10
	Commercial street lighting	11
	Site preparation	11
	Primary trench	12
	Primary voltage conduit	14
	Trench backfill requirements	15

Transformers 15
Underground secondary junction box/pedestal 21
Primary voltage installations to utility pole bases 21

CHAPTER 4 COMMERCIAL METERING..... 23

General commercial metering 24
Commercial meter bases 24
Additional customer equipment 25
Meter equipment location 25
Clearance requirements for meter installations 27
Meter socket types 29
Self-contained metering systems 29
Current transformer metering 31
Multiple metered services 35
Multiple meter labeling 36

APPENDIX 39

Glossary 39
New or Altered Commercial Electric Service Worksheet 43