

**LOS ALAMOS COUNTY
DEPARTMENT OF PUBLIC UTILITIES
CONSTRUCTION STANDARDS**

A. SPECIFICATIONS

Section 100 General Utility

- 050. Summary of Work
- 100. Compliance Requirements
- 101. General Requirements
- 102. Submittal Procedures
- 103. Compliance Requirements
- 104. Underground Facilities Staking Requirements

Section 200 Trenching and Boring

- 201. Clear And Grub
- 202. Excavation, Trenching And Backfill
- 203. Horizontal Directional Drilling
- 204. Bore and Jacking
- 205. Rock And Boulder Excavation

Section 300 Gas

- 301. Gas Systems

Section 400 Electric

- 401. Underground Ductbank Systems
- 402. Transformers
- 403. Conductors
- 404. Electric Metering

Section 500 Sewer

- 501. Sanitary Sewerage Systems
- 502. Sewer Manholes
- 503. Polyethylene Pipe For Sewer and Non-Potable Systems
- 504. Sewer Flow Control
- 505. Sewer Lift Station
- 510. Sewer Replacement Via Pipe Bursting

Section 600 Water

- 601. Water Systems
- 602. Polyethylene Pipe For Water Systems

Section 700 Materials

- 701. Cast In Place Concrete
- 702. Grout

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B. STANDARD DRAWINGS

Section 2000 General Utility

2001.	Utility Service Layout
2002.	Utility Service Line Trenching Layout
2003.	Electric and Communication Service Trenching
2004.	Electric and Gas Service Crossing Layout
2005.	Electric and Gas Service Joint Line Trench
2006.	Location of Utility Meters Layout
2007.	Sewer and Water Main Crossing Layout
2008.	Valve Box Concrete Collar Layout
2009.	Jack and Bore
2010.	Locate Wire in Valve Box, Splice and Thermite Weld
2011.	Locate Wire Test Box
2012.	Steel Bollard

Section 3000 Gas

3001.	Gas Service Line and Meter Location
3002.	Large Commercial Meter Set
3003.	Gas Main Trench Detail
3004.	Valve Box
3005.	Regulator Station
3005A.	Regulator Station Alternative
3006	Gas Meter Minimum Safety Clearance

Section 4000 Electric

4002.	Secondary Riser
4003.	100_150_200 Amp Service Riser
4004.	125A to 320A Permanent Single –Phase Pedestal Meter
4005.	Overhead Temporary Electric Service Installation
4006.	Conduit Run to Electric Transformer
4007.	Single Phase 3 Wire 12_240_or 120_208V Service
4008.	Mobile Home Service 120_240 Volt Single Phase
4009.	Underground Temporary Electric 100 Amp Service Installation
4010.	Electric Riser Support Bracket
4011.	Underground Electric Service Installation
4012.	Conduit Run to Electric Pedestal
4013.	Single Phase Self Contained Meter Socket
4014.	Overhead Temporary Electric Service Installation
4015.	Overhead Electric Safety Clearances
4016.	Underground Electrical Safety Clearances
4017.	Underground Electric Utility Clearances
4018.	Clearance from Transformer
4019.	Typical CT Rated Service Commercial Meter Set
4020.	Underground Electrical Safety Clearances
4021.	120_208 Five Terminal Modular Meter and Equipment
4022.	6' 4" X 4' 0" X 4' 0" Precast Concrete Vaults
4023.	Electric Primary and Secondary Common Trench Detail
4024.	6' 0" X 8' 0" X 7'0" ID Precast Concrete Vault
4025.	Electric and Communication Common Trench Detail
4026.	Electric Primary Trench Detail
4027.	Vault Ladder and Hardware
4028.	75-1500 KVA 3 Phase Transformer Concrete Pad

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4029.	150-1000 KVA 30 Transformer Concrete Pad
4030.	Electric Secondary Trench Detail
4031.	Electric
4032.	PME 9 Switch
4033.	PME 11 Switch
4034.	Electric Switch Vault
4035.	Precast Vault Installation
4036.	Primary and Secondary Transformer Fiberglass Pad
4037.	Single Phase Primary Sectionalizing Enclosure
4038.	48" X 48" X 48" Open Bottom Polymer Concrete Vault
4039.	Multi Phase Primary Sectionalizing Enclosure
4040.	Conduit Entering Transformer Single Phase
4041.	Typical CT Rated Service Commercial Meter Set
4042.	Secondary Riser
4043.	Electric Riser Support Bracket
4044.	Installation for Meter Base and Instrument Transformer
4045.	Clearance from Transformer
4046.	Three Phase Dip Pole
4047.	Single Phase Dip Pole
4048.	Three-Phase Thirteen Terminal CT Meter Set
4049.	Transformer Secondary Spade Connections
4050.	400A and Over Permanent Three Phase Pedestal Meter

Section 5000 Sewer

5001.	Sewer Delivery Line and Cleanout on Existing Main
5002.	Sewer Delivery Line and Cleanout on New Main
5003.	Gravity Sewer Main Trench Detail
5004.	Sewer Force Main Trench
5005.	Precast Eccentric Manhole
5006.	Flat Top Manhole
5007.	Eccentric Drop Manhole
5008.	Manhole Ring and Cover with Concrete Collar
5009.	Manhole Cover Adjustment
5010.	Sewer Encasement
5011.	Single Sweep Property Line Cleanout
5012.	Property Line Cleanout & Backwater Valve PL
5013.	Service Line Backwater Valve
5014A.	Wastewater Lift Station
5014B.	Wastewater Lift Station
5014C.	Wastewater Lift Station
5014D.	Wastewater Lift Station
5016.	Eccentric Internal Drop Manhole

Section 6000 Water

6001.	Single Water Meter Pit Setter Assembly
6002.	Double Water Meter Pit Setter Assembly
6003.	1" Single Water Meter Pit Setter Assembly
6004.	Double Water Meter Pit Setter Assembly
6005.	1.5" Water Meter Pit Setter Assembly
6006.	2" Water Meter Pit Setter Assembly
6007.	Water Meter Box Lid in Driveway
6008.	Lager Water Service Layout Meter
6009.	Water Main Trench Detail
6010.	Water and Gas Main Common Trench Detail

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- 6011. Fire Hydrant Detail
- 6012. 1" and 2" Portable Water Air Release and Vacuum Valve
- 6013. Water Meter Valve Box
- 6014. Mechanical Restraint
- 6015. Concrete Blocking
- 6017. Pressure Reducing Valve Box

Section 7000 Sediment and Erosion Control

- 7001. Temporary Erosion and Sediment Control Measures
- 7002. Check Dams
- 7003. Silt Fence
- 7004. Culvert and Drop Inlet Protection
- 7005. Sediment Basin, Sediment Trap and Earth Dike
- 7006. Pipe Slope Drain and Surface Roughening
- 7007. Offsite Tracking Prevention & Diversion Dike

Section 8000 Non-Potable

- 8001. 1" and 2" Non-Potable Water Air Release & Vacuum Valve
- 8002. Non-Potable Water Trench Detail