CITY OF MESA SYMBOLS

APRIL 1997

	PEN SIZE	NEW		EXISTING
City Limits (Chartpak No. TL851A)			ALL EXISTING TOPO TO BE SHOWN IN PENCIL	
Right-Of-Way & Property Line	1			
Center Line & Monument Line	00			
Survey Monument (3/32 SQ. & 1/16 Circle)	00			
Station Marks	00			
Curb & Gutter with Depressed Curb	1			
Pavement & Sidewalk Edge (Shaded on back)	1			
Concrete Ditch & Conc. Channel (Shaded)	1			
Dirt Ditch (Freehand)	1			
Railroad Track	1			
Catch Basin, Curb & Gutter	1			
Fence, Block	1			
Fence, Chain Link (1/16 Circle)	0			
Fence, Rail (1/16 Square)	0			
Fence, Wood (1/16 Square)	0			
Fence, Wire	0			
Road, Dirt	1			
Road, Asphalt (Shaded On Back)	1			
Remove Pavement	1,0			
Storm Drain Tile (Chartpak TL909A, TL471A)				12" SD
Irrigation Tile (Chartpak TL 820A)				12" Irr
Sanitary Sewer (Chartpak TL 871A)				8" S
Water Line (Chartpak TL 240A)				6" W
Gas Line (Chartpak TL 381A)				4" G
Electrical Line (Chartpak TL 876AA)				E
Street Light Power Line (TL 475A)				St E
Telephone Lines (Chartpak TL840AA)				T

Water Riser	
Irrig./Sprinkler Control Box	(7/64" sq.)
Vaults, Water, Elec.	(3/16" sq. or as called out)
Light, Landscp.	
Sprinkler	(5/64" clr)
Telco Riser	(3/32" clr)

	PEN SIZE	NEW		EXISTING
Pole, Power & Telephone (Label dim. to face)	1		ALL EXISTING TOPO TO BE SHOWN IN PENCIL	
Pole, Joint Use (J.U.P.) (Label dim. to face) 3/32	1			
Valves, Gas & Water (3/32 Circle)	1			
Gas Regulator (5/64 & 1/16 Circle)	1			
Gas Meter (3/32 Square)	1			
Water Meter Box (2/3 of 1/8 Square)	1			
Mailbox (1/2 of 7/64 Square)	1			
Tree Stump, (To Scale)	1,00			
Tree, Palm, (To Scale) (Foliage = 5x Trunk Size)	0			
Tree, Pine, (To Scale) (Foliage = 10x Trunk Size)	0			
Tree, Deciduous " " " " "	1			
Shrub Or Bush (To Scale)	1			
Hedge (To Scale)	1			
Manhole, Irrigation (5/32 Circle & Square)	1			
Manhole, Sanitary Sewer (5/32 Circle)	1			
Manhole, Telephone (5/32 & 5/64 Circles)	1			
Fire Hydrant & Valve (7/64 & 5/64 Circles)	0,1,2			
Street Light With Mast Arm (5/64 Circle & Hex)	0,1			
Traffic Light Standard (1/8 Circle & Square)	1			
Sign, Advertisement (To Scale)	0			
Sign, Street & Traffic (Also Delineator) (3/64 Clr.)	0			
Anode (5/64 Circle)	1	A		G A
Reducer (7/64 Triangle)	1			W
Gas Plastic Transition Fitting (1/3 of 3/16 Sq.)	1			G
Gas Valve & Test Leads	0,1	E		E G
Driveway Or Handicapped Ramp	1			
Headwall With Tile	1			SD

DATE LAST REVISED 5/1/89

TOPOG. SYMBOLS

PAGE NUMBER E-2

PREPARED BY THE CITY OF MESA ENGINEERING DEPARTMENT

STREET LIGHT REQUIREMENTS FOR CITY OF MESA

SYMBOLS FOR ARTERIAL STREET LIGHTING LEGEND

250 WATT FIXTURE & STREET LIGHT POLE

310 WATT FIXTURE & STREET LIGHT POLE

400 WATT FIXTURE & STREET LIGHT POLE

EXISTING STREET LIGHT POLE

DOUBLE ARM STREET LIGHT POLE

LIGHTING CONTROL CABINET

PULL BOX

CONDUIT RUN

STUB CONDUIT AND CAP

POWER POLE

POWER COMPANY'S TRANSFORMER

(130) STREET ADDRESS

C POINT OF SERVICE #5 PULL & J.BOX

STREET LIGHT REQUIREMENTS FOR CITY OF MESA

SYMBOLS FOR RESIDENTIAL STREET LIGHTING LEGEND

	100 WATT FIXTURE & STREET LIGHT POLE
	150 WATT FIXTURE & STREET LIGHT POLE
	200 WATT FIXTURE & STREET LIGHT POLE
	250 WATT FIXTURE & STREET LIGHT POLE
	EXISTING STREET LIGHT POLE
	DOUBLE ARM STREET LIGHT POLE
	LIGHTING CONTROL CABINET
	PULL BOX
	CONDUIT RUN
	STUB CONDUIT AND CAP
	POWER POLE
	POWER COMPANY'S TRANSFORMER
(130)	STREET ADDRESS
C	POINT OF SERVICE #5 PULL & JBOX

CIRCUIT MAP SYMBOLS AND DESCRIPTIONS

SYMBOL	SYMBOL DESCRIPTION
	4 WAY, 200A. JUNCTION
	3 WAY, 200A JUNCTION
	200A. FEED THRU JUNCTION
	P.M. 1 Ø TRANSFORMER W/FEED THRU BUSHINGS (DEAD FRONT)
	P.M. 3 Ø TRANSFORMER W/RADIAL BUSHINGS (DEAD FRONT)
	P.M. 3 Ø TRANSFORMER W/FEED THRU BUSHING (DEAD FRONT)
	PARKED CIRCUIT W/STANDOFF BRACKET
S	P.M. 3 Ø TRANSFORMER W/INTERNAL SWITCH (DEAD FRONT)
	P.M. TRANSFORMER (LIVE FRONT)
C S	P.M. 3 Ø CAPACITOR W/INTERNAL SWITCH (DEAD FRONT)
M	MOTOR OPERATED SWITCH
V	VACUUM SWITCH W/600A. BUSHINGS
	GROUP OPERATED SWITCH
	KNIFE BLADE SWITCH
OIL	OIL SWITCH
	TRANSCLOSUER (LIVE FRONT)
	FUSED CUTOUT
	1 WAY, 600A. SPLICE
	3 WAY, 600A. SPLICE
	2 WAY, 600A. SPLICE
	600A. SPLICE W/200A. TAP
	PHASE NUMBER CHANGE

CITY OF MESA ARIZONA

ELECTRIC UTILITY - Engineering Division

CIRCUIT MAP

DWN by: CHK'D by: APPRV'D by:

Rev.

Date: 04-05-94

LEGEND

1 OF 2

156083

M010475

CIRCUIT MAP SYMBOLS AND DESCRIPTIONS

SYMBOL	SYMBOL DESCRIPTION
	INDICATES CIRCUITS CONNECTED AT CROSSING
	3 Ø CIRCUIT
	2 Ø CIRCUIT
	1 Ø CIRCUIT
	DOUBLE DEADEND
UG	CIRCUIT GOES UNDERGROUND
OH	CIRCUIT GOES OVERHEAD
N.C	INDICATES NORMALLY CLOSED
N.O.	INDICATES NORMALLY OPEN
	3 WAY, 600A. JUNCTION
G	3 WAY, 600A JUNCTION W/GROUNDING POINT
	P.M 600A SWITCHING CABINET W/200A TAP (DEAD FRONT)
G G G	P.M SWITCHING CABINET W/200A TAP (DEAD FRONT) W/GROUNDING POINT
CS	CIRCUIT SEGMENT
PM	PAD MOUNTED

CITY OF MESA ARIZONA

ELECTRIC UTILITY - Engineering Division

CIRCUIT MAP

DWN by: CHK'D by: APPRV'D by:

Rev. 01-09-95

Date 04-05-94

LEGEND

2 OF 2

150083

M010475