



*Doña Ana Mutual Domestic Water Consumers Association*  
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## Digital File Submission Requirements

To expedite the conversion of record drawings into the Association's GIS, the following requirements shall be met:

- Submission may be zipped and emailed to [enter email address] with the project name in the email subject heading. Files may be sent via other media (flash drive or CD) if technical issues preclude the user from sending the file by email. If submitting by flash drive or CD, please provide a transmittal letter that states the project name.
- All mapping elements shall be submitted referencing:
  - New Mexico State Plane,
  - Zone central,
  - NAD 83,
  - NAVD 88, and
  - Units Feet.
- Acceptable file formats include:
  - ESRI shapefile
  - ESRI file geodatabase
  - ESRI personal geodatabase

### GIS Data Layer Names:

Please name the GIS layers based on the data contained in the file and using the naming convention presented below.

#### Water Utilities

- WATER\_LINES – Water pipes
- CASING – Water line encasements
- WATER\_VALVES – Water valves
- WATER\_PRV – Water pressure reducing valves
- WATER\_FIRE\_HYDRANTS – Fire hydrants
- WATER\_METERS – Water meters
- WATER\_STORAGE\_TANKS – Water tanks
- WATER\_WELLS – Water supply wells
- WATER\_OTHER\_POINTS – Other water system points not included in the aforementioned layers, e.g. fittings.
- WATER\_OTHER\_LINES – Other water system line features not included in the aforementioned layers, e.g. sleeves.

#### Wastewater Utilities

- WW\_LINES – Wastewater pipes
- WW\_MANHOLES – Wastewater manholes
- WW\_LIFT\_STATIONS – Wastewater lift stations or pump stations
- WW\_CLEANOUTS – Wastewater cleanouts

## GIS Data Attribute Tables:

<b>WATER</b>		
<b>Data Layer</b>	<b>Attributes</b>	<b>Description</b>
<b>WATER_LINES</b>	SIZE	Pipe diameter (in)
	MATERIAL	Pipe material (C900 PVC, DI, HPVC)
	DATE_INSTALLED	Date installed

<b>Data Layer</b>	<b>Attributes</b>	<b>Description</b>
<b>CASING</b>	SIZE	Casing diameter (in)
	MATERIAL	Pipe material (C900 PVC, DI, HPVC)
	DATE_INSTALLED	Date installed

<b>Data Layer</b>	<b>Attributes</b>	<b>Description</b>
<b>WATER_VALVES</b>	SIZE	Valve size (in)
	MANUFACTURER	Value manufacturer
	MODEL	Valve model
	CATEGORY	e.g. Control, System, Hydrant
	VALVE_TYPE	PRV, Gate, Ball, Butterfly, Check, Stop, Flush
	DATE_INSTALLED	Date installed
	VALVE_TURNS	Turns to close
	EASTING	X coordinate in SPF
	NORTHING	Y coordinate in SPF
	ELEVATION	Valve installation elevation (ft)

<b>Data Layer</b>	<b>Attributes</b>	<b>Description</b>
<b>WATER_PRV</b>	SIZE	PRV size (in)
	MANUFACTURER	PRV manufacturer
	MODEL	PRV model
	SET_PRESSURE	PRV set pressure
	UPSTREAM_PRESSURE	Upstream pressure
	DOWNSTREAM_PRESSURE	Downstream pressure
	STAINER	Strainer (Yes or No)
	STRAINER_MODEL	Strainer model
	TELEMETRY	Telemetry (Yes or No)
	VAULT_SIZE	Vault size (ft)
	DATE_INSTALLED	Date installed
	EASTING	X coordinate in SPF
	NORTHING	Y coordinate in SPF
	ELEVATION	PRV installation elevation (ft)

Data Layer	Attributes	Description
<b>WATER_FIRE_HYDRANTS</b>	INLET_SIZE	Diameter of hydrant inlet connection (in)
	MANUFACTURER	Hydrant manufacturer
	MANUFACTURER_DATE	Hydrant manufacturer date
	MANUFACTURER_LOCATION	Hydrant manufacturer location (City, State)
	MODEL	Fire hydrant model
	DATE_INSTALLED	Date installed
	EASTING	X coordinate in SPF
	NORTHING	Y coordinate in SPF
	ELEVATION	Hydrant ground elevation (ft)

Data Layer	Attributes	Description
<b>WATER_METERS</b>	SERIAL_NUMBER	Meter serial number
	MANUFACTURER	Meter manufacturer
	SIZE	Meter size (in)
	MODEL	Meter model
	MODEL	Register model
	DATE_INSTALLED	Date installed
	EASTING	X coordinate in SPF
	NORTHING	Y coordinate in SPF

Data Layer	Attributes	Description
<b>WATER_SERVICE_LINE</b>	CURB_STOP_SIZE	Curb stop valve size (in)
	MATERIAL_TYPE	Service line material
	SIZE	Size of service line (in)
	DATE_INSTALLED	Date installed
	EASTING	X coordinate in SPF of connection point
	NORTHING	Y coordinate in SPF of connection point
	ELEVATION	Depth of connection to main line from the ground (in)

Data Layer	Attributes	Description
<b>WATER_STORAGE_TANKS</b>	CAPACITY	Tank size (MG)
	MATERIAL	Tank material
	DATE_INSTALLED	Date installed
	OVERFLOW_ELEVATION	Overflow elevation
	EASTING	X coordinate in SPF
	NORTHING	Y coordinate in SPF
	ELEVATION	Ground elevation (ft)

Data Layer	Attributes	Description
W_WELLS	SIZE	Well size (in)
	DEPTH	Well depth (ft)
	DATE_INSTALLED	Date installed
	STATE_ENGINEER_NUMBER	NMOSE Number
	DRAWDOWN	Drawdown (ft bgs)
	DEPTH_TO_WATER	Depth to water (ft bgs)
	PUMP_MODEL	Pump model
	PUMP_CAP	Pump capacity (GPM)
	EASTING	X coordinate in SPF
	NORTHING	Y coordinate in SPF
	ELEVATION	Ground elevation (ft)

Data Layer	Attributes	Description
W_OTHER_UTILITY_PTS	TYPE	Type of asset, e.g. reducer, bend, tee, cross, tap, coupling, e.t.c.
	SIZE	Size/description
	DATE_INSTALLED	Date installed
	EASTING	X coordinate in SPF
	NORTHING	Y coordinate in SPF
	ELEVATION	Installation elevation (ft)

Data Layer	Attributes	Description
W_OTHER_UTILITY_LINES	TYPE	Description of line
	SIZE	Size (in)
	DATE_INSTALLED	Date installed

## WASTEWATER

Data Layer	Attributes	Description
WW_LINES	SIZE	Pipe diameter (in)
	MATERIAL	Pipe material
	DATE_INSTALLED	Date installed
	UP_MH_INVERT	Invert elevation at upstream manhole (ft)
	DOWN_MH_INVERT	Invert elevation at downstream manhole (ft)

Data Layer	Attributes	Description
WW_MANHOLES	SIZE	Manhole size (ft)
	MATERIAL	Manhole material
	DATE_INSTALLED	Date installed
	EASTING	X coordinate in SPF
	NORTHING	Y coordinate in SPF
	ELEVATION	Rim elevation (ft)

Data Layer	Attributes	Description
WW_LIFT_STATIONS	NO_PUMPS	Number of pumps
	PUMP_CAP	Pumping capacity (gpm)
	PUMP_MODEL	Pump model
	DATE_INSTALLED	Date installed
	HORSEPOWER	Horsepower
	INLET_ELEVATION	Elevation at inlet (ft)
	INLET_DIAMETER	Inlet diameter (in)
	OUTLET_ELEVATION	Elevation at outlet (ft)
	OUTLET_DIAMETER	Outlet diameter (in)
	LIFT_STATION_DEPTH	Lift station depth (ft)
	LIFT_STATION_SIZE	Lift station area (ft <sup>2</sup> )
	TREATMENT	Treatment (type of chemicals)
	EASTING	X coordinate in SPF
	NORTHING	Y coordinate in SPF
	ELEVATION	Ground elevation (ft)

Data Layer	Attributes	Description
WW_CLEANOUTS	COUNT	Single or Double
	SIZE	Pipe size (in)
	DATE_INSTALLED	Date installed
	EASTING	X coordinate in SPF
	NORTHING	Y coordinate in SPF
	ELEVATION	Ground elevation (ft)