

## Santa Margarita Water District GIS Attribute Requirements Checklist - revised 08/12/2021

**GENERAL BASE MAP** for all District facilities - Data Capture Standards (per Feature Class table name)

<b>Building_Footprints</b>	(Buildings NOT owned by SMWD)
<i>Field</i>	<i>Applicable Value(s)</i>
Number of Stories	example <b>1</b>
Building Height	example <b>15</b> (in feet)
FeatureCode (Facility Type)	example <b>COMMERCIAL, RESIDENTIAL, PRESSURE REDUCING STATION, PUMP STATION, RESERVOIR</b>

<b>County_TractMap</b>	
<i>Field</i>	<i>Applicable Value(s)</i>
Name	enter Tract Name, example <b>TR 46685</b>
SubName	enter sub name or another name where tract is located, example <b>LYON AND THOMPSONS</b>
EngCo	enter Engineering Company name, example <b>CDC ENGINEERING</b>
EngSvyName	enter Name of Survey Engineer, example <b>ROBERT SMITH</b>
EngSvyNum	enter Survey Engineer RCE/LS Number, example <b>LS 5101</b>
Cities (City Name)	enter Name of City where tract is located, example <b>MISSION VIEJO, RANCHO SANTA MARGARITA</b>
Notes	Optional (add any pertinent information not already shown above)

<b>District_Property</b>	(Property boundaries owned by SMWD)
Name (Facility Name)	example <b>Tesoro Pump Station</b>
Comments	example <b>INSTRUMENT, OR, TRACT, CONTRACT</b>

<b>Easements</b>	
<i>Field</i>	<i>Applicable Value(s)</i>
System Type	<b>Domestic Water, Recycled Water, Sewer System, Storm Drain, Other</b> (use <b>Other</b> if multiple utilities in same easement)
Easement Length	example <b>40</b> (in feet)
Easement Width	example <b>10</b> (in feet)
Easement Record Type	example <b>INSTRUMENT, OR, TRACT</b>
Easement Record Number	example <b>19970147395 &amp; 19970576721</b>
Comments	Optional (add any pertinent information not already shown above)
Source Map	<b>Potable Water, Raw Water, Reclaimed Water, Storm Runoff, Treated Water, Recycled Water</b> (Wet utility type in easement)

<b>SMWD_CountyStreets</b>	
<i>Field</i>	<i>Applicable Value(s)</i>
Prefix	enter <b>N</b> (north), <b>S</b> (south), <b>E</b> (east), <b>W</b> (west) if applicable
Street Name	enter name of street, example <b>LA PAZ</b>
Suffix	enter street name suffix, example <b>AVE, BLVD, CIR, DR, LN, ST, etc.</b>
Type	enter type of street, example <b>ARTERIAL_A, ARTERIAL_B, ARTERIAL_C, FREEWAY, LOCAL, PRIVATE</b>

**DOMESTIC WATER** - Data Capture Standards (per Feature Class table name)

<b>wAbandonedLines</b>	
<i>Field</i>	<i>Applicable Value(s)</i>
Line Type	<b>Main, Lateral, Cathodic Protection</b>
Abandoned Date	Select a date via calendar icon per Final Record Drawing
Material	Select applicable value from default pull-down list
Diameter	Select applicable value from default pull-down list
Tract Number	example <b>T-17001</b>
Pressure Zone	example <b>1, 2, 3, 4, 5, Unknown</b>
Contract Number	example <b>C-1801</b>
Status	<b>Abandoned, Removed</b> (this Field is not interchangeable or to be confused with Life Cycle Status)
Street Offset	example <b>12</b> (in feet) Note: from street centerline or curb face
Offset Direction	Select applicable direction value from default pull-down list (direction from street centerline or curb face)
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration) <b>See Notes 1 &amp; 2 below</b>

Note 1. **In Design** value for Record Drawing Status field pertains to Pre-Construction Design submittal as defined in section A-3.3.4 of the SMWD Standard Utility Plan Submission Requirements. Typical for all Record Drawing Status fields.

Note 2. **Final** value for Record Drawing Status field pertains to Final Record Drawing submittal as defined in section A-3.3.7 of the SMWD Standard Utility Plan Submission Requirements. Typical for all Record Drawing Status fields.

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#### wAbandonedPoints

<i>Field</i>	<i>Applicable Value(s)</i>
Point Type	<b>Air Release, Backflow Preventor, Blowoff, Cap, CP Point, Gate, Plug</b>
Abandoned Date	Select a date via calendar icon per Final Record Drawing
Material	Select applicable value from default pull-down list
Diameter	Select applicable value from default pull-down list
Tract Number	example <b>T-17001</b>
Pressure Zone	example <b>1, 2, 3, 4, 5, Unknown</b>
Contract Number	example <b>C-1801</b>
SubtypeCD (Code)	<b>Control Valve, Fitting, Service Connection, System Valve</b>
Status	<b>Abandoned, Removed</b> (this Field is not interchangeable or to be confused with Life Cycle Status)
Street Offset	example <b>12</b> (in feet) Note: from street centerline or curb face
Offset Direction	Select applicable direction value from default pull-down list (direction from street centerline or curb face)
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

#### wCasing

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Diameter	Select applicable value from default pull-down list
Material	Select applicable value from default pull-down list
Recorded Length	length of casing in feet (same as Casement Length)
Comments	Optional (add any pertinent information not already shown in fields)
Tract Number	example <b>T-17001</b>
Contract Number	example <b>C-1801</b>
Casement Length	length of casing in feet (same as Recorded Length)
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

#### wControlValves

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Diameter	Select applicable value from default pull-down list
Valve Type	<b>Air Control, Air Gap, Air Release, Altitude, Backflow Preventor, Blowoff, CLA, Combination Air, Flow Control, Other, Pressure Reducer, Reduced Pressure Zone, Simple Check, Snubber, Surge Relief, Unknown, Air Vacuum, Vacuum Breaker, Vacuum Release, Post Indicator, Fire Detector Check</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Owned By	<b>Our Agency, Private, Other, ETWD, IRWD, MNWD, LAWD, TCWD</b>
Maintained By	<b>Our Agency, Private, Other, ETWD, IRWD, MNWD, LAWD, TCWD</b>
Comments	Optional (add any pertinent information not already shown in fields)
Tract Number	example <b>T-17001</b>
Pressure Zone	example <b>1, 2, 3, 4, 5, unknown</b>
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

#### wCP\_Line

<i>Field</i>	<i>Applicable Value(s)</i>
Comments	Optional (add any pertinent information not already shown in fields)
Cathodic Line Type (CP_Type)	<b>Tracer Wire, ETS Wire, Rectifier Wire, Other</b>
Install Date	Select a date via calendar icon per Final Record Drawing
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

#### wCP\_Point

<i>Field</i>	<i>Applicable Value(s)</i>
Cathodic Point Type (CP_Type)	<b>ETS, TWAS, CP Station, Other</b>
Comments	Optional (add any pertinent information not already shown in fields)
Install Date	Select a date via calendar icon per Final Record Drawing
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### wFittings

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Fitting Type	<b>Bend, Cap, Coupling, Cross, Expansion Joint, Over Under, Reducer, Reducing Cross, Reducing Tee, Sleeve, Tap, Tee, Transition, Other, Unknown</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Comments	enter size, example <b>8" X 4"</b> for reducer or <b>12" X 12" X 6"</b> for reducing tee
Tract Number	example <b>T-17001</b>
Pressure Zone	example <b>1, 2, 3, 4, 5, Unknown</b>
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### wHydrants

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Owned By	<b>Our Agency, Private, Other, ETWD, IRWD, MNWD, LAWD, TCWD</b>
Maintained By	<b>Our Agency, Private, Other, ETWD, IRWD, MNWD, LAWD, TCWD</b>
Tract Number	example <b>T-17001</b>
Pressure Zone	example <b>1, 2, 3, 4, 5, unknown</b>
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### wLateralLines

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Material	Select applicable value from default pull-down list
Line Type	<b>Hydrant, Irrigation, Other, Unknown, Domestic, Fire, Industrial, Commercial, Blow Off, Air Release, Sampling</b>
Diameter	Select applicable value from default pull-down list
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Owned By	<b>Our Agency, Private, Other, ETWD, IRWD, MNWD, LAWD, TCWD</b>
Maintained By	<b>Our Agency, Private, Other, ETWD, IRWD, MNWD, LAWD, TCWD</b>
Tract Number	example <b>T-17001</b>
Contract Number	example <b>C-1801</b>
Pressure Zone	example <b>1, 2, 3, 4, 5, Unknown</b>
Street Offset	example <b>12</b> (in feet) Note: from street centerline or curb face if applicable
Offset Direction	Select applicable direction value from default pull-down list (direction from street centerline or curb face if applicable)
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### wMains

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Material	Select applicable value from default pull-down list
Diameter	Select applicable value from default pull-down list
Water Type	<b>Potable Water</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Owned By	<b>Our Agency, Private, Other, ETWD, IRWD, MNWD, LAWD, TCWD</b>
Maintained By	<b>Our Agency, Private, Other, ETWD, IRWD, MNWD, LAWD, TCWD</b>
Pressure Zone	example <b>1, 2, 3, 4, 5, unknown</b>
Tract Number	example <b>T-17001</b>
Contract Number	example <b>C-1801</b>
Pipe Class	example <b>CL200</b> (refer to SMWD Design Criteria specifications for Water)
Street Offset	example <b>12</b> (in feet) Note: from street centerline or curb face
Offset Direction	Select applicable direction value from default pull-down list (direction from street centerline or curb face)
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### wManway

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Comments	Optional (add any pertinent information not already shown in fields)
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

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### wNetworkStructures

Field	Applicable Value(s)
Install Date	Select a date via calendar icon per Final Record Drawing
Location Description	example <b>12345 Alicia Parkway, Mission Viejo, 92692</b>
Name (Facility Name)	example <b>Alicia Metering Facility</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Comments	<b>Meter Station, Production Well, Reservoir Valve Control Bldg</b>
Tract Number	example <b>T-17001</b>
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### wPressReducStation

Field	Applicable Value(s)
Install Date	Select a date via calendar icon per Final Record Drawing
Name (Facility Name)	example <b>Felipe Z1 PRS</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Pressure Zone	<b>example 1, 2, 3, 4, 5, Unknown</b>
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)
HGL in	Hydraulic Grade Line coming into PRS (if known)
HGL out	Hydraulic Grade Line exiting PRS (if known)

### wPump

Field	Applicable Value(s)
Install Date	Select a date via calendar icon per Final Record Drawing
Pump Type	<b>Axial Flow, Centrifugal, Jet, Reciprocating, Rotary, Turbine, Other, Unknown</b>
Inlet Diameter	example 12" (Select applicable value from default pull-down list)
Discharge Diameter	example 8" (Select applicable value from default pull-down list)
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Pressure Zone	example <b>1, 2, 3, 4, 5, Unknown</b>
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### wPumpStation

Field	Applicable Value(s)
Install Date	Select a date via calendar icon per Final Record Drawing
Pump Station Name	example <b>El Toro Pump Station</b>
Location Description	example <b>26040 Trabuco Road, Mission Viejo, 92630</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Pressure Zone	<b>example 1, 2, 3, 4, 5, Unknown</b>
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)
HGL in	Hydraulic Grade Line coming into PRS (suction if known)
HGL out	Hydraulic Grade Line exiting PRS (discharge if known)

### wReservoir

Field	Applicable Value(s)
Install Date	Select a date via calendar icon per Final Record Drawing
Location Description	example <b>27472 Antonnio Parkway, Ladera Ranch, 92694</b>
Name (Facility Name)	example <b>Ladera Z2 Reservoir</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Pressure Zone	<b>example 1, 2, 3, 4, 5, unknown</b>
Tract Number	example <b>T-17001</b>
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)
HWL	reservoir High Water Level elevation, example 705.00
PAD	reservoir Pad elevation, example 695.00
HGL	Hydraulic Grade Line (if known)

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#### wServiceConnection

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Comments	Optional (add any pertinent information not already shown in fields)
Pressure Zone	example <b>1, 2, 3, 4, 5, Unknown</b>
Meter Size	example <b>3/4", 1", 1.5", 2", 3", 4", 6", 8", 10"</b>
Service Type	<b>Water Domestic, Fire Service, Irrigation Domestic, Irrigation Non Domestic</b>
Street Name	example <b>SANTA MARGARITA PKWY</b>
Tract Number	example <b>T-17001</b>
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

#### wStructure

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Location Description Name (Facility Name)	example <b>25843 O'Neil Drive, Ladera Ranch, 92694</b> example <b>Hydrangea PRS</b>
Structure Type	<b>Enclosed Storage Facility, Production Well, Pump Station, Storage Basin, Treatment Plant, Meter Station, Other, Reservoir, Lift Station</b>
Comments	if structure type is <b>Other</b> , enter applicable value not available in Structure Type. For example... <b>Pressure Reducing Station, Pressure Sustaining Facility, Surge Tank</b>
Map Grid Number	SMWD Atlas Map Grid number, example <b>P28</b>
Tract Number	example <b>T-17001</b>
Pressure Zone	example <b>1, 2, 3, 4, 5, Unknown</b>
Contract Number	example <b>C-1692C</b>
Improvement District	<b>1, 2, 2A, 3, 4, 4A, 4B, 4C, 4D, 4E, 5, 6, 7, 8</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

#### wSystemValves

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Diameter	Select applicable value from default pull-down list
Valve Type	<b>Ball, Butterfly, Cone, Gate, Plug, Roundway, Other, Unknown, Diaphragm</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Owned By	<b>Our Agency, Private, Other, ETWD, IRWD, MNWD, LAWD, TCWD</b>
Maintained By	<b>Our Agency, Private, Other, ETWD, IRWD, MNWD, LAWD, TCWD</b>
Comments	Optional (add any pertinent information not already shown in fields)
Tract Number	example <b>T-17001</b>
Pressure Zone	example <b>1, 2, 3, 4, 5, Unknown</b>
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

#### wThrustBlock

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Tract Number	example <b>T-17001</b>
Contract Number	example <b>C-1801</b>
Owned by	<b>Our Agency, Private, Other, ETWD, IRWD, MNWD, LAWD, TCWD</b>
Maintained by	<b>Our Agency, Private, Other, ETWD, IRWD, MNWD, LAWD, TCWD</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

#### wUndergroundEnclosure

<i>Field</i>	<i>Applicable Value(s)</i>
Location Description	example <b>RSM LAKE FILL METER</b>
Structure Type	<b>Meter Vault, Valve Vault, Pressure Transmitter, Facility Features</b>
Tract Number	example <b>T-17001</b>
Pressure Zone	example <b>1, 2, 3, 4, 5, Unknown</b>
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

**RECYCLED WATER** - Data Capture Standards (per Feature Class table name)

**rwAbandonedLine**

<i>Field</i>	<i>Applicable Value(s)</i>
Line Type	<b>Main, Lateral, Cathodic Protection</b>
Abandoned Date	Select a date via calendar icon per Final Record Drawing
Material	Select applicable value from default pull-down list
Diameter	Select applicable value from default pull-down list
Tract Number	example <b>T-17001</b>
Pressure Zone	example <b>A, B, C, D, E</b>
Contract Number	example <b>C-1801</b>
Status	<b>Abandoned, Removed</b> (this Field is not interchangeable or to be confused with Life Cycle Status)
Street Offset	example <b>12</b> (in feet) Note: from street centerline or curb face
Offset Direction	Select applicable direction value from default pull-down list (direction from street centerline or curb face)
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

**rwAbandonedPoint**

<i>Field</i>	<i>Applicable Value(s)</i>
Point Type	<b>Irrigation Non Domestic</b>
Abandoned Date	Select a date via calendar icon per Final Record Drawing
Material	Select applicable value from default pull-down list
Diameter	Select applicable value from default pull-down list
Tract Number	example <b>T-17001</b>
Pressure Zone	example <b>A, B, C, D, E</b>
Contract Number	example <b>C-1801</b>
Subtype Code	<b>Control Valve, CP Turnout, Curb Stop Valve, Fitting, Hydrant, Inter Tie, Network Structure, Pressure Reducing Station, Pump, Pump Station, Reservoir, Sampling Station, Service Connection, System Valve, Thrust Block</b>
Status	<b>Abandoned, Removed</b> (this Field is not interchangeable or to be confused with Life Cycle Status)
Street Offset	example <b>12</b> (in feet) Note: from street centerline or curb face
Offset Direction	Select applicable direction value from default pull-down list (direction from street centerline or curb face)
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

**rwCasing**

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Diameter	Select applicable value from default pull-down list
Material	Select applicable value from default pull-down list
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Casement Length	example <b>20</b> (length of casing in feet)
Pressure Zone	example <b>A, B, C, D, E</b>
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

**rwControlValve**

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Diameter	Select applicable value from default pull-down list
Valve Type	<b>Air Control, Air Gap, Air Release, Altitude, Backflow Preventor, Blowoff, CLA, Combination Air, Flow Control, Other, Pressure Reducer, Reduced Pressure Zone, Simple Check, Snubber, Surge Relief, Unknown, Air Vacuum, Vacuum Breaker, Vacuum Release, Post Indicator, Fire Service Detector Check</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Pressure Zone	example <b>A, B, C, D, E</b>
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

**rwCP\_Line**

<i>Field</i>	<i>Applicable Value(s)</i>
Comments	optional
Cathodic Line Type (CP_Type)	<b>Tracer Wire, ETS Wire, Rectifier Wire, Other</b>
Install Date	Select a date via calendar icon per Final Record Drawing
Active Flag	<b>True</b> = active, <b>False</b> = inactive
System	<b>Recycled Water</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

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### rwCP\_Point

<i>Field</i>	<i>Applicable Value(s)</i>
Cathodic Point Type (CP_Type)	<b>ETS, TWAS, CP Station, Other</b>
Install Date	Select a date via calendar icon per Final Record Drawing
Active Flag	<b>1</b> = True (active), <b>2</b> = False (inactive)
System	<b>Recycled Water</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### rwFittings

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Fitting Type	<b>Bend, Cap, Coupling, Cross, Expansion Joint, Over Under, Reducer, Reducing Cross, Reducing Tee, Sleeve, Tap, Tee, Transition, Other, Unknown</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Comments	enter size, example <b>8" X 4"</b> for reducer or <b>12" X 12" X 6"</b> for reducing tee
Tract Number	example <b>T-17001</b>
Pressure Zone	example <b>A, B, C, D, E</b>
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### rwLateralLines

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Material	Select applicable value from default pull-down list
Line Type	<b>Hydrant, Irrigation, Other, Unknown, Fire, Industrial, Commercial, Blow Off, Air Release, Sampling</b>
Diameter	Select applicable value from default pull-down list
Water Type	<b>Raw Water, Reclaimed Water, Storm Runoff, Treated Water, Recycled Water</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Contract Number	example <b>C-1801</b>
Pressure Zone	example <b>A, B, C, D, E</b>
Street Offset	example <b>12</b> (in feet) Note: from street centerline or curb face if applicable
Offset Direction	Select applicable direction value from default pull-down list (direction from street centerline or curb face if applicable)
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### rwMains

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Material	Select applicable value from default pull-down list
Diameter	Select applicable value from default pull-down list
Water Type	<b>Raw Water, Reclaimed Water, Storm Runoff, Treated Water, Recycled Water</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Pressure Zone	example <b>A, B, C, D, E</b>
Tract Number	example <b>T-17001</b>
Contract Number	example <b>C-1801</b>
Pipe Class	example <b>CL200</b> (refer to SMWD Design Criteria specifications for Water)
Street Offset	example <b>12</b> (in feet) Note: from street centerline or curb face
Offset Direction	Select applicable direction value from default pull-down list (direction from street centerline or curb face)
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### rwManway

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Water Type	<b>Treated Water, Combined Waste Water, Raw Water, Reclaimed Water, Salt Water, Storm Runoff, Waste Water Effluent</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### rwNetworkStructures

Field	Applicable Value(s)
Install Date	Select a date via calendar icon per Final Record Drawing
Name (Facility Name)	example <b>Lake Mission Viejo APWTF</b>
Structure Type	<b>Enclosed Storage Facility, Production Well, Storage Basin, Treatment Plant, Meter Station, Other</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Pressure Zone	example <b>A, B, C, D, E</b>
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### rwPressureReducingStation

Field	Applicable Value(s)
Install Date	Select a date via calendar icon per Final Record Drawing
Location Description	example <b>30024 Sienna Pkwy, Ladera Ranch, 92694</b>
Name (Facility Name)	example <b>Sienna Recycled Water PRS</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Pressure Zone	example <b>A, B, C, D, E</b>
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)
HGL in	Hydraulic Grade Line coming into PRS (if known)
HGL out	Hydraulic Grade Line exiting PRS (if known)

### rwPumps

Field	Applicable Value(s)
Install Date	Select a date via calendar icon per Final Record Drawing
Pump Type	<b>Axial Flow, Centrifugal, Jet, Reciprocating, Rotary, Turbine, Other, Unknown</b>
Inlet Diameter	example <b>12"</b> (Select applicable value from default pull-down list)
Discharge Diameter	example <b>8"</b> (Select applicable value from default pull-down list)
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Comments	example <b>ZONE_A_B_PUMPS</b>
Tract Number	example <b>T-17001</b>
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### rwPumpStation

Field	Applicable Value(s)
Pump Station Name	example <b>La Paz Pump Station</b>
Location Description	example <b>27204 La Paz Road, Mission Viejo, 92692</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Pressure Zone	example <b>A, B, C, D, E</b>
Contract Number	example <b>C-1801</b>
Improvement District	example <b>1, 2, 2A, 3, 4, 4A, 4B, 4C, 4D, 4E, 5, 6, 7, 8</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)
HGL	Hydraulic Grade Line (if known)

### rwReservoir

Field	Applicable Value(s)
Install Date	Select a date via calendar icon per Final Record Drawing
Name (Facility Name)	example <b>Ladera Zone B Reservoir</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Pressure Zone	example <b>A, B, C, D, E</b>
Tract Number	example <b>T-17001</b>
Contract Number	example <b>C-1801</b>
Enabled	Disregard/Omit
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)
HWL	reservoir High Water Level elevation, example 705.00
PAD	reservoir Pad elevation, example 695.00
HGL	Hydraulic Grade Line (if known)

Continue on next page



**rwServiceConnections**

<i>Field</i>	<i>Applicable Value(s)</i>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Contract Number	example <b>C-1801</b>
Install Date	Select a date via calendar icon per Final Record Drawing
Meter Size	example <b>3/4", 1", 1.5", 2", 3", 4", 6", 8", 10"</b>
Pressure Zone	example <b>A, B, C, D, E</b>
Street Name	example <b>SANTA MARGARITA PKWY</b>
Tract Number	example <b>T-17001</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

**rwStructure**

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Location Description Name (Facility Name)	example <b>27204 La Paz Road, Mission Viejo, 92692</b> example <b>La Paz Pump Station</b>
Structure Type	<b>Enclosed Storage Facility, Production Well, Pump Station, Storage Basin, Treatment Plant, Meter Station, Other, Reservoir, Lift Station</b>
Comments	if structure type is <b>Other</b> , enter applicable value not available in Structure Type. For example... <b>Pressure Reducing Station, Pressure Sustaining Facility, Surge Tank</b>
Map Grid Number	SMWD Atlas Map Grid number, example <b>P28</b>
Tract Number	example <b>T-17001</b>
Pressure Zone	example <b>A, B, C, D, Dminus, E</b>
Contract Number	example <b>C-1692C</b>
Improvement District	<b>1, 2, 2A, 3, 4, 4A, 4B, 4C, 4D, 4E, 5, 6, 7, 8</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

**rwSystemValves**

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Diameter	Select applicable value from default pull-down list
Valve Type	<b>Ball, Butterfly, Cone, Gate, Plug, Roundway, Other, Unknown, Diaphragm</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Pressure Zone	example <b>A, B, C, D, Dminus, E</b>
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

**rwThrustBlock**

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Tract Number	example <b>T-17001</b>
Contract Number	example <b>C-1801</b>
Improvement District	example <b>1, 2, 2A, 3, 4, 4A, 4B, 4C, 4D, 4E, 5, 6, 7, 8</b>
Owned by	<b>Our Agency, Private, Other, ETWD, IRWD, MNWD, LAWD, TCWD</b>
Maintained by	<b>Our Agency, Private, Other, ETWD, IRWD, MNWD, LAWD, TCWD</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

**rwUnderGroundEnclosure**

<i>Field</i>	<i>Applicable Value(s)</i>
Contract Number	example <b>C-1801</b>
Location Description	example <b>LMV METER VAULT</b>
Pressure Zone	example <b>A, B, C, D, Dminus, E</b>
Structure Type	<b>Meter Vault, Valve Vault, Pressure Transmitter, Facility Features</b>
Tract Number	example <b>T-17001</b>
Object ID	Disregard/Omit
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

WASTEWATER - Data Capture Standards (per Feature Class table name)

ssAband\_Force\_Mains

Field	Applicable Value(s)
Material	Select applicable value from default pull-down list
Diameter	Select applicable value from default pull-down list
Water Type	<b>Treated Water, Combined Waste Water, Raw Water, Reclaimed Water, Salt Water, Sewage, Storm Runoff, Waste Water Effluent</b>
Contract Number	example <b>C-1801</b>
Tract Number	example <b>T-17001</b>
Comments	optional
Abandoned Date	Select a date via calendar icon per Final Record Drawing
Status	<b>Abandoned, Removed</b> (this Field is not interchangeable or to be confused with Life Cycle Status)
Street Offset	example <b>5</b> (in feet) Note: from street centerline or curb face
Offset Direction	Select applicable direction value from default pull-down list (direction from street centerline or curb face)
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

ssAband\_GravityMain

Field	Applicable Value(s)
Material	Select applicable value from default pull-down list
Diameter	Select applicable value from default pull-down list
Liner Type	<b>Cured in Place, Fold and Form or Deform/Reform, Segmented Panel, Segmented Pipe, Spiral Wound, Other, None</b>
Water Type	<b>Treated Water, Combined Waste Water, Raw Water, Reclaimed Water, Salt Water, Sewage, Storm Runoff, Waste Water Effluent</b>
Contract Number	example <b>C-1801</b>
Tract Number	example <b>T-17001</b>
Comments	optional
Abandoned Date	Select a date via calendar icon per Final Record Drawing
Status	<b>Abandoned, Removed</b> (this Field is not interchangeable or to be confused with Life Cycle Status)
Street Offset	example <b>5</b> (in feet) Note: from street centerline or curb face
Offset Direction	Select applicable direction value from default pull-down list (direction from street centerline or curb face)
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

ssAbandoned\_Points

Field	Applicable Value(s)
Point Type	<b>Cleanout, Gravity Interceptor, Manhole, Vault</b>
Install Date	Select a date via calendar icon per Final Record Drawing
Abandoned Date	Select a date via calendar icon per Final Record Drawing
Material	Select applicable value from default pull-down list
Diameter	Select applicable value from default pull-down list
Comments	optional
Tract Number	example <b>T-17001</b>
Contract Number	example <b>C-1801</b>
Status	<b>Abandoned, Removed</b> (this Field is not interchangeable or to be confused with Life Cycle Status)
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

ssCasing

Field	Applicable Value(s)
Install Date	Select a date via calendar icon per Final Record Drawing
Diameter	width of casing, example <b>18"</b>
Material	Select applicable value from default pull-down list
Casement Length	example <b>20</b> (length of casing in feet)
Casement Type	<b>Access Tunnel, Casement, Conduit Bridge, Protective Tunnel, Other, Unknown</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Comments	optional
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### ssCleanOut

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Device Type	<b>Cleanout, Flushing Structure, Lamp Hole, Other, Unknown</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Owned by	<b>Our Agency, Private, Other, ETWD, IRWD, MNWD, LAWD, TCWD</b>
Maintained by	<b>Our Agency, Private, Other, ETWD, IRWD, MNWD, LAWD, TCWD</b>
Comments	optional
Tract Number	example <b>T-17001</b>
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### ssControlValves

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Diameter	Select applicable value from default pull-down list
Valve Type	<b>Altitude, Blowoff, Air Control, Air Release, Pressure Reducer, Simple Check, Vacuum Breaker, Vacuum Release, Surge Relief, Snubber, CLA, Reduced Pressure Zone, Other, Unknown, Air Vacuum, Combination Air</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### ssFittings

<i>Field</i>	<i>Applicable Value(s)</i>
Fitting Type	Select applicable value from default pull-down list
Install Date	Select a date via calendar icon per Final Record Drawing
Location Description	Address, project site name or nearest street intersection; example <b>Sewer Pipe Sta. 1+20.05</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### ssGravityMains

<i>Field</i>	<i>Applicable Value(s)</i>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Comments	optional
Contract Number	example <b>C-1801</b>
Diameter	Select applicable value from default pull-down list
Downstream Elevation	example <b>270.86</b>
Install Date	Select a date via calendar icon per Final Record Drawing
Material	Select applicable value from default pull-down list
Pipe Class	example <b>SDR 35</b> (refer to SMWD Design Criteria specifications for Sewer)
Tract Number	example <b>T-17001</b>
Upstream Elevation	example <b>286.60</b>
Water Type	<b>Treated Water, Combined Waste Water, Raw Water, Reclaimed Water, Salt Water, Sewage, Storm Runoff, Waste Water Effluent</b>
Street Offset	example <b>5</b> (in feet) Note: from street centerline or curb face
Offset Direction	Select applicable direction value from default pull-down list (direction from street centerline or curb face)
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### ssGreaseInterceptors

<i>Field</i>	<i>Applicable Value(s)</i>
Unit Type	<b>Gravity Grease Interceptor, Hydromechanical Grease Interceptor, Grease Removal Device, Oil / Sand Interceptor</b>
Location Type	<b>External, Internal</b>
Use Type	<b>Single, Joint, Multiple, Other / Unkonwn</b>
Size	enter size of installed grease interceptor, example <b>1500</b> for 1,500 gallon capacity GI
Business Name	<b>Wow Poki</b>
Site Address	<b>1021 Avenida Pico, San Clemente, CA 92673</b>
Joint User	<b>Thai Palace SC</b>
Unit Measurement	<b>Gallons, GPM</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

Continue on next page

### ssLateralLines

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Material	Select applicable value from default pull-down list
Line Type	<b>Residential or Commercial</b>
Diameter	Select applicable value from default pull-down list
Water Type	<b>Treated Water, Combined Waste Water, Raw Water, Reclaimed Water, Salt Water, Sewage, Storm Runoff, Waste Water Effluent</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Comments	optional
Contract Number	example <b>C-1801</b>
Street Offset	example <b>5</b> (in feet) Note: from street centerline or curb face if applicable
Offset Direction	Select applicable direction value from default pull-down list (direction from street centerline or curb face if applicable)
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### ssLiftStation

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Location Description	example <b>1048 Avenida Pico, San Clemente, 92672</b>
Name (Facility Name)	example <b>Pico LS</b>
Structure Type	<b>Lift Station</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Comments	optional
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### ssManholes

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Rim Elevation	example <b>297.53</b>
Invert Elevation	example <b>288.48</b>
Manhole Type	<b>Standard, Drop, Split, Diversion, Sedimentation, Other, Unknown</b>
Water Type	<b>Treated Water, Combined Waste Water, Raw Water, Reclaimed Water, Salt Water, Sewage, Storm Runoff, Waste Water Effluent</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Comments	optional
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### ssNetworkStructures

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Location Description	example <b>1048 Avenida Pico, San Clemente, 92672</b>
Name (Facility Name)	example <b>Pico LS</b>
Structure Type	<b>Diversion Chamber, Diversion Point, Junction Chamber, Production Well, Pump Station, Split Manhole, Storage Basin, Tide Chamber, Treatment Plant, Lift Station, Discharge Structure, Unknown, Other, Virtual Junction, Flow Meter, Monitoring Well, Pump, Backflow Prevention, Grease Separator</b>
Owned by	<b>Our Agency, Private, Other, ETWD, IRWD, MNWD, LAWD, TCWD</b>
Maintained by	<b>Our Agency, Private, Other, ETWD, IRWD, MNWD, LAWD, TCWD</b>
Tract Number	example <b>T-17001</b>
Comments	optional
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### ssPressurizedMains

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Material	Select applicable value from default pull-down list
Diameter	Select applicable value from default pull-down list
Water Type	<b>Treated Water, Combined Waste Water, Raw Water, Reclaimed Water, Salt Water, Sewage, Storm Runoff, Waste Water Effluent</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Contract Number	example <b>C-1801</b>
Tract Number	example <b>T-17001</b>
Comments	optional
Pipe Class	example <b>CL200</b> (refer to SMWD Design Criteria specifications for Sewer)
Street Offset	example <b>5</b> (in feet) Note: from street centerline or curb face
Offset Direction	Select applicable direction value from default pull-down list (direction from street centerline or curb face)
From Manhole	Identify Manhole where pipe segment flow begins (use value given in field OBJECTID in FC table ssManhole)
To Manhole	Identify Manhole where pipe segment flow ends (use value given in field OBJECTID in FC table ssManhole)
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### ssPump

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Pump Type	<b>Booster, Chopper, Grinder, Non-Clog, Submersible, Other, Unknown</b>
Location Description	example <b>1048 Avenida Pico, San Clemente, 92672</b>
Inlet Diameter	example <b>12"</b> (Select applicable value from default pull-down list)
Discharge Diameter	example <b>8"</b> (Select applicable value from default pull-down list)
Name (Facility Name)	example <b>Pico LS</b>
Owned by	<b>Our Agency, Private, Other, ETWD, IRWD, MNWD, LAWD, TCWD</b>
Maintained by	<b>Our Agency, Private, Other, ETWD, IRWD, MNWD, LAWD, TCWD</b>
Tract Number	example <b>T-17001</b>
Contract Number	example <b>C-1801</b>
Improvement District	example <b>1, 2, 2A, 3, 4, 4A, 4B, 4C, 4D, 4E, 5, 6, 7, 8</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### ssServiceConnections

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### ssStructure

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Location Description	example <b>27204 La Paz Road, Mission Viejo, 92692</b>
Name (Facility Name)	example <b>La Paz Pump Station</b>
Structure Type	<b>Enclosed Storage Facility, Production Well, Pump Station, Storage Basin, Treatment Plant, Meter Station, Other, Reservoir, Lift Station</b>
Comments	if Structure Type is <b>Other</b> , enter applicable value not available in Structure Type. For example... <b>Surge Tank</b>
Map Grid Number	SMWD Atlas Map Grid number, example <b>P28</b>
Tract Number	example <b>T-17001</b>
Pressure Zone	example <b>A, B, C, D, Dminus, E</b> - WHY ARE WE CLASSIFYING PRESSURE ZONE FOR SEWER STRUCTURE
Contract Number	example <b>C-1692C</b>
Improvement District	<b>1, 2, 2A, 3, 4, 4A, 4B, 4C, 4D, 4E, 5, 6, 7, 8</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### ssThrustBlock

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Tract Number	example <b>T-17001</b>
Contract Number	example <b>C-1801</b>
Owned by	<b>Our Agency, Private, Other, ETWD, IRWD, MNWD, LAWD, TCWD</b>
Maintained by	<b>Our Agency, Private, Other, ETWD, IRWD, MNWD, LAWD, TCWD</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

Continue on next page

### ssTreatmentPlant

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Location Description	example <b>10001 Chiquita Canyon Road, Rancho Mission Viejo, 92694</b>
Name (Facility Name)	example <b>ABC Wastewater Treatment Plant</b>
Structure Type	<b>Treatment Plant</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Owned by	<b>Our Agency, Private, Other, ETWD, IRWD, MNWD, LAWD, TCWD</b>
Maintained by	<b>Our Agency, Private, Other, ETWD, IRWD, MNWD, LAWD, TCWD</b>
Last Update	Select a date via calendar icon per Final Record Drawing or Last Date Updated
Map Grid Number	SMWD Atlas Map Grid number, example <b>P28</b>
Tract Number	example <b>T-17001</b>
Comments	optional
Contract Number	example <b>C-1692C</b>
Improvement District	<b>1, 2, 2A, 3, 4, 4A, 4B, 4C, 4D, 4E, 5, 6, 7, 8</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### ssUnderGroundEnclosure

<i>Field</i>	<i>Applicable Value(s)</i>
Location Description	example <b>ALICIA PKWY VALVE VAULT</b>
Structure Type	<b>Meter Vault, Valve Vault, Pressure Transmitter, Facility Features</b>
Tract Number	example <b>T-17001</b>
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### ssValves

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Diameter	Select applicable value from default pull-down list
Valve Type	<b>Ball, Butterfly, Cone, Gate, Plug, Roundway, Other, Unknown, Diaphragm</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Contract Number	example <b>C-1801</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

### STORM DRAIN - Data Capture Standards (per Feature Class table name)

#### sdCasing

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Diameter	Select applicable value from default pull-down list
Material	Select applicable value from default pull-down list
Casement Length	length of casing in feet, example <b>10</b>
Casement Type	<b>Access Tunnel, Casement, Conduit Bridge, Protective Tunnel, Other, Unknown</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Comments	optional

#### sdCleanOut

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Device Type	<b>Cleanout, Flushing Structure, Lamp Hole, Other, Unknown</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Comments	optional

#### sdControlValves

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Diameter	Select applicable value from default pull-down list
Valve Type	Select applicable value from default pull-down list (if Flap Gate select <b>Other</b> )
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>

Continue on next page

**sdCulvert**

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Material	Select applicable value from default pull-down list
Diameter	Select applicable value from default pull-down list
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Comments	optional

**sdDetention**

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Location Description	Address, project site name or nearest street intersection
Width	Width of Detention pond/basin in feet, example <b>10</b>
Depth	Depth of Detention pond/basin in feet, example <b>5</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Comments	optional

**sdDischargePoint**

<i>Field</i>	<i>Applicable Value(s)</i>
Discharge Type	<b>Outfall, Overflow, Standard Outlet, Other, Unknown</b>
Install Date	Select a date via calendar icon per Final Record Drawing
Diameter	Select applicable value from default pull-down list
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Comments	optional

**sdDissipator**

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Tract Number	example <b>T-17001</b>

**sdDownDrainPipe**

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Tract Number	example <b>T-17001</b>

**sdFitting**

<i>Field</i>	<i>Applicable Value(s)</i>
Fitting Type	Select applicable value from default pull-down list
Install Date	Select a date via calendar icon per Final Record Drawing
Location Description	Address, project site name or nearest street intersection
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>

**sdInlets**

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Inlet Type	<b>Catchbasin, Rear Yard, Roof, Open Lid Manhole, Closed Lid Manhole, Standard, Other, Unknown, Drop Inlet, Grate Inlet, Box Connection, Collar, Velocity Ring</b>
Invert Elevation	example <b>200.24</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Owned By	<b>Our Agency, Private, Other, ETWD, IRWD, MNWD, LAWD, TCWD</b>
Tract Number	example <b>T-17001</b>
Comments	optional

**sdManholes**

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Invert Elevation	example <b>799.56</b>
Rim Elevation	example <b>803.56</b>
Wall Material	Select applicable value from default pull-down list
Manhole Type	<b>Standard, Drop, Split, Diversion, Sedimentation, Other, Unknown</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Comments	optional

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**sdNetworkStructures**

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Location Description	Address, project site name or nearest street intersection
Structure Type	Select applicable value from default pull-down list
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Comments	optional

**sdOpenDrains**

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Top Width	Width in feet at top of open drain
Bottom Width	Width in feet at bottom of open drain
Depth	Depth in feet of open drain
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Comments	optional

**sdPipe**

<i>Field</i>	<i>Applicable Value(s)</i>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Comments	optional
Diameter	Select applicable value from default pull-down list example <b>275.26</b>
Downstream Elevation	Select a date via calendar icon per Final Record Drawing
Install Date	Select applicable value from default pull-down list
Material	<b>Our Agency, Private, Other, ETWD, IRWD, MNWD, LAWD, TCWD</b>
Owned By	example <b>T-17001</b>
Tract Number	example <b>281.35</b>
Upstream Elevation	

**sdRipRap**

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Tract Number	example <b>T-17001</b>

**sdRiser**

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Tract Number	example <b>T-17001</b>

**sdSystemValves**

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Location Description	Address, project site name or nearest street intersection
Diameter	Select applicable value from default pull-down list
Valve Type	Select applicable value from default pull-down list
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Comments	optional

**sdWeirStructure**

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Location Description	Address, project site name or nearest street intersection
Weir Type	<b>Broad-Crested, Combination, Labyrinth, Minimum Energy Loss, Sharp-Crested, V-Notch, Other</b>
Weir Material	Select applicable value from default pull-down list
Length	length of weir in feet, example <b>10</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Tract Number	example <b>T-17001</b>
Comments	optional
Weir Shape	Enter applicable value



**PRIVATE FIRE WATER** - Data Capture Standards (per Feature Class table name)

Note: Capture all Private Fire Water facilities onto Domestic Water feature class tables

**wHydrants**

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Owned By	<b>Private</b>
Maintained By	<b>Private</b>
Tract Number	example <b>T-17001</b>
Pressure Zone	example <b>1, 2, 3, 4, 5, unknown</b>
Contract Number	if not applicable, leave blank
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

**wLateralLines**

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Material	Select applicable value from default pull-down list
Line Type	<b>Hydrant</b>
Diameter	Select applicable value from default pull-down list
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Owned By	<b>Private</b>
Maintained By	<b>Private</b>
Tract Number	example <b>T-17001</b>
Contract Number	if not applicable, leave blank
Pressure Zone	example <b>1, 2, 3, 4, 5, Unknown</b>
Street Offset	example <b>12</b> (in feet) Note: from street centerline or curb face if applicable
Offset Direction	Select applicable direction value from default pull-down list (direction from street centerline or curb face if applicable)
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

**wMains**

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Material	Select applicable value from default pull-down list
Diameter	Select applicable value from default pull-down list
Water Type	<b>Potable Water</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Owned By	<b>Private</b>
Maintained By	<b>Private</b>
Pressure Zone	example <b>1, 2, 3, 4, 5, unknown</b>
Tract Number	example <b>T-17001</b>
Contract Number	if not applicable, leave blank
Pipe Class	example <b>CL200</b> (refer to SMWD Design Criteria specifications for Water)
Street Offset	example <b>12</b> (in feet) Note: from street centerline or curb face
Offset Direction	Select applicable direction value from default pull-down list (direction from street centerline or curb face)
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

**wSystemValves**

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Diameter	Select applicable value from default pull-down list
Valve Type	<b>Ball, Butterfly, Cone, Gate, Plug, Roundway, Other, Unknown, Diaphragm</b>
Active Flag	<b>True</b> = active, <b>False</b> = inactive
Owned By	<b>Private</b>
Maintained By	<b>Private</b>
Comments	Optional (add any pertinent information not already shown in fields)
Tract Number	example <b>T-17001</b>
Pressure Zone	example <b>1, 2, 3, 4, 5, Unknown</b>
Contract Number	if not applicable, leave blank
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)

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wThrustBlock

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	Select a date via calendar icon per Final Record Drawing
Tract Number	example <b>T-17001</b>
Contract Number	if not applicable, leave blank
Owned by	<b>Private</b>
Maintained by	<b>Private</b>
Life Cycle Status	<b>Abandoned In-Place, In Design, In Service, Proposed, Abandoned</b> (Field for management of data during GIS integration)
Record Drawing Status	<b>In Design, Final</b> (Field for management of data during GIS integration)