

Santa Margarita Water District GIS Attribute Requirements Checklist

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

BuildingFootprint

<i>Field</i>	<i>Applicable Value(s)</i>
Number of Stories	1 or 2
Building Height	example 10 (feet)
Facility Site Code	example PRESSURE REDUCING STATION, PUMP STATION, RESERVOIR

Easement

<i>Field</i>	<i>Applicable Value(s)</i>
Easement Width	example 10 (in feet)
Easement Record Number	example 19970147395 & 19970576721
Comments	example WATER EASEMENT

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

wCasing

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Diameter	width of casing, example 18 (inches)
Material	Concrete (Non-Reinforced), Steel
Active Flag	1 = True (active), 2 = False (inactive)
Casement Length	length of casing in feet
Tract Number	example T-17001
Contract Number	example C-1801

wControlValve

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Diameter	example 8 (inches)
Valve Type	Air Vacuum, Backflow Preventor, Blowoff, Combination Air, Detector Check, Flow Control, Pressure Reducer, Pressure Relief, Simple Check
Active Flag	1 = True (active), 2 = False (inactive)
Pressure Zone	example 1, 2, 3, 4, 5
Tract Number	example T-17001
Contract Number	example C-1801

wCP_Line

<i>Field</i>	<i>Applicable Value(s)</i>
Cathodic Line Type	ETS Wire, Rectifier Wire
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Active Flag	1 = True (active), 2 = False (inactive)

wCP_Point

<i>Field</i>	<i>Applicable Value(s)</i>
Cathodic Point Type	CP Station, ETS, TWAS
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Active Flag	1 = True (active), 2 = False (inactive)

wFitting

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Fitting Type	Bend, Cap, Cross, Reducer, Reducing Tee, Tap, Tee
Active Flag	1 = True (active), 2 = False (inactive)
Pressure Zone	example 1, 2, 3, 4, 5
Comments	enter size, example 8" X 4" for reducer or 12" X 12" X 6" for reducing tee
Tract Number	example T-17001
Contract Number	example C-1801

wHydrant

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Active Flag	1 = True (active), 2 = False (inactive)
Pressure Zone	example 1, 2, 3, 4, 5
Tract Number	example T-17001
Contract Number	example C-1801

wLateralLine

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Material	CML&C, Copper, DIP, PVC
Line Type	Air Release, Blow Off, Domestic, Fire, Hydrant, Irrigation, Sampling
Diameter	example 6 (inches)
Water Type	Potable Water
Active Flag	1 = True (active), 2 = False (inactive)
Pressure Zone	example 1, 2, 3, 4, 5
Tract Number	example T-17001
Contract Number	example C-1801

wMain

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Material	CML&C, DIP, PVC, Steel
Diameter	example 12 (inches)
Water Type	Potable Water
Active Flag	1 = True (active), 2 = False (inactive)
Pressure Zone	example 1, 2, 3, 4, 5
Tract Number	example T-17001
Contract Number	example C-1801
Pipe Class	example CL200 (refer to SMWD Design Criteria specifications for Water)

wManwayAccess

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Diameter	example 72 (inches)
Active Flag	1 = True (active), 2 = False (inactive)
Tract Number	example T-17001
Contract Number	example C-1801

wNetworkStructure

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Location Description	example 22648 Alicia Parkway, Mission Viejo, 92692
Facility Name	example Alicia Metering Facility
Structure Type	Meter Station, Production Well
Active Flag	1 = True (active), 2 = False (inactive)
Pressure Zone	example 1, 2, 3, 4, 5
Tract Number	example T-17001
Contract Number	example C-1801

wPressureReducingStation

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Location Description	example 26523 Felipe Road, Mission Viejo, 92692
Facility Name	example Felipe Z1 PRS
Active Flag	1 = True (active), 2 = False (inactive)
Pressure Zone	example 1, 2, 3, 4, 5
Tract Number	example T-17001
Contract Number	example C-1801

wPump

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Pump Type	Centrifugal, Positive Displacement
Inlet Diameter	example 12 (inches)
Discharge Diameter	example 8 (inches)
Active Flag	1 = True (active), 2 = False (inactive)
Comments	example ZONE_2_1_PUMPS
Tract Number	example T-17001
Contract Number	example C-1801

wReservoir

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Location Description	example 27472 Antonnio Parkway, Ladera Ranch, 92694
Facility Name	example Ladera Z2 Reservoir
Active Flag	1 = True (active), 2 = False (inactive)

Pressure Zone example **1, 2, 3, 4, 5**
 Tract Number example **T-17001**
 Contract Number example **C-1801**

wServiceConnection

Field *Applicable Value(s)*
 Install Date **20190101** (YYYYMMDD) per Final Record Drawing
 Active Flag **1** = True (active), **2** = False (inactive)
 Pressure Zone example **1, 2, 3, 4, 5**
 Meter Size example **.75, 1, 1.5, 2, 3, 6, 8** (inches)
 Service Type **Water Domestic, Irrigation Domestic, Fire Service**
 Street Name example **SANTA MARGARITA PKWY**
 Tract Number example **T-17001**
 Contract Number example **C-1801**

wSystemValve

Field *Applicable Value(s)*
 Install Date **20190101** (YYYYMMDD) per Final Record Drawing
 Diameter example **12** (inches)
 Valve Type **Ball, Butterfly, Cone, Diaphragm, Gate**
 Active Flag **1** = True (active), **2** = False (inactive)
 Pressure Zone example **1, 2, 3, 4, 5**
 Tract Number example **T-17001**
 Contract Number example **C-1801**

wUnderGroundEnclosure

Field *Applicable Value(s)*
 Location Description example **RSM LAKE FILL METER**
 Structure Type **Meter Vault, Valve Vault**
 Pressure Zone example **1, 2, 3, 4, 5**
 Tract Number example **T-17001**
 Contract Number example **C-1801**

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

rwCasing

Field *Applicable Value(s)*
 Install Date **20190101** (YYYYMMDD) per Final Record Drawing
 Diameter width of casing, example **18** (inches)
 Material **Concrete (Non-Reinforced), Steel**
 Active Flag **1** = True (active), **2** = False (inactive)
 Casement Length length of casing in feet
 Tract Number example **T-17001**
 Contract Number example **C-1801**

rwControlValve

Field *Applicable Value(s)*
 Install Date **20190101** (YYYYMMDD) per Final Record Drawing
 Diameter example **8** (inches)
 Valve Type **Air Release, Air Vacuum, Backflow Preventor, Blowoff, Combination Air, Flow Control, Pressure Reducer, Pressure Relief**
 Active Flag **1** = True (active), **2** = False (inactive)
 Pressure Zone example **A, B, C, D, E**
 Tract Number example **T-17001**
 Contract Number example **C-1801**

rwCP_Line

Field *Applicable Value(s)*
 Cathodic Line Type **ETS Wire, Tracer Wire**
 Install Date **20190101** (YYYYMMDD) per Final Record Drawing
 Active Flag **1** = True (active), **2** = False (inactive)

rwCP_Point

Field *Applicable Value(s)*
 Cathodic Point Type **CP Station, ETS, TWAS**
 Install Date **20190101** (YYYYMMDD) per Final Record Drawing
 Active Flag **1** = True (active), **2** = False (inactive)

rwFitting

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Fitting Type	Bend, Cap, Cross, Reducer, Reducing Tee, Tap, Tee
Active Flag	1 = True (active), 2 = False (inactive)
Pressure Zone	example A, B, C, D, E
Comments	enter size, example 8" X 4" for reducer or 12" X 12" X 6" for reducing tee
Tract Number	example T-17001
Contract Number	example C-1801

rwLateralLine

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Material	Copper, DIP, PVC
Line Type	Air Release, Blow Off, Irrigation, Sampling
Diameter	example 6 (inches)
Water Type	Recycled Water
Active Flag	1 = True (active), 2 = False (inactive)
Pressure Zone	example A, B, C, D, E
Tract Number	example T-17001
Contract Number	example C-1801

rwMain

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Material	CML&C, DIP, PVC, Steel
Diameter	example 12 (inches)
Water Type	Recycled Water
Active Flag	1 = True (active), 2 = False (inactive)
Pressure Zone	example A, B, C, D, E
Tract Number	example T-17001
Contract Number	example C-1801
Pipe Class	example CL200 (refer to SMWD Design Criteria specifications for Water)

rwManwayAccess

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Diameter	example 72 (inches)
Active Flag	1 = True (active), 2 = False (inactive)
Tract Number	example T-17001
Contract Number	example C-1801

rwNetworkStructure

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Location Description	example 23140 Marguerite Pkwy, Mission Viejo, 92691
Facility Name	example Lake Mission Viejo APWTF
Structure Type	Purification/Treatment Plant - pending
Active Flag	1 = True (active), 2 = False (inactive)
Pressure Zone	example A, B, C, D, E
Tract Number	example T-17001
Contract Number	example C-1801

rwPressureReducingStation

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Location Description	example 30024 Sienna Pkwy, Ladera Ranch, 92694
Facility Name	example Sienna Recycled Water PRS
Active Flag	1 = True (active), 2 = False (inactive)
Pressure Zone	example A, B, C, D, E
Tract Number	example T-17001
Contract Number	example C-1801

rwReservoir

<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Location Description	example 27472 Antonnio Parkway, Ladera Ranch, 92694
Facility Name	example Ladera Zone B Reservoir
Active Flag	1 = True (active), 2 = False (inactive)
Pressure Zone	example A, B, C, D, E
Tract Number	example T-17001
Contract Number	example C-1801

rwServiceConnection

Field	Applicable Value(s)
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Active Flag	1 = True (active), 2 = False (inactive)
Pressure Zone	example Non Domestic Zone A, B, C, D, E
Meter Size	example .75", 1, 1.5, 2, 3, 6 (inches)
Service Type	Irrigation Non Domestic
Street Name	example SANTA MARGARITA PKWY
Tract Number	example T-17001
Contract Number	example C-1801

rwSystemValve

Field	Applicable Value(s)
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Diameter	example 12 (inches)
Valve Type	Ball, Butterfly, Gate
Active Flag	1 = True (active), 2 = False (inactive)
Pressure Zone	example A, B, C, D, E
Tract Number	example T-17001
Contract Number	example C-1801

rwUnderGroundEnclosure

Field	Applicable Value(s)
Location Description	example LMV METER VAULT
Structure Type	Meter Vault, Valve Vault
Pressure Zone	example A, B, C, D, E
Tract Number	example T-17001
Contract Number	example C-1801

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

ssCasing

Field	Applicable Value(s)
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Diameter	width of casing, example 18 (inches)
Material	Concrete (Non-Reinforced), Steel
Casement Length	length of casing in feet
Casement Type	Casement
Active Flag	1 = True (active), 2 = False (inactive)
Tract Number	example T-17001
Comments	optional
Contract Number	example C-1801

ssCleanOut

Field	Applicable Value(s)
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Device Type	Cleanout
Active Flag	1 = True (active), 2 = False (inactive)
Comments	optional
Tract Number	example T-17001
Contract Number	example C-1801

ssControlValve

Field	Applicable Value(s)
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Diameter	example 8 (inches)
Valve Type	Sewage Air Valve, Check, Plug
Active Flag	1 = True (active), 2 = False (inactive)
Tract Number	example T-17001
Contract Number	example C-1801

ssFitting

Field	Applicable Value(s)
Fitting Type	Connection Coupling, End Cap
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Location Description	Pending, to be determined
Active Flag	1 = True (active), 2 = False (inactive)
Tract Number	example T-17001

Contract Number example **C-1801**

ssGravityMain

Field *Applicable Value(s)*
Install Date **20190101** (YYYYMMDD) per Final Record Drawing
Material **DIP, HDPE, PVC, Vitrified Clay**
Diameter example **12** (inches)
Water Type **Sewage, Treated Water**
Active Flag **1** = True (active), **2** = False (inactive)
Downstream Elevation example **270.86**
Upstream Elevation example **286.60**
Tract Number example **T-17001**
Contract Number example **C-1801**
Pipe Class example **SDR 35** (refer to SMWD Design Criteria specifications for Sewer)
Comments optional

ssLateralLine

Field *Applicable Value(s)*
Install Date **20190101** (YYYYMMDD) per Final Record Drawing
Material **PVC**
Diameter example **4** (inches)
Water Type **Sewage**
Active Flag **1** = True (active), **2** = False (inactive)
Tract Number example **T-17001**
Contract Number example **C-1801**
Comments optional

ssManhole

Field *Applicable Value(s)*
Install Date **20190101** (YYYYMMDD) per Final Record Drawing
Invert Elevation example **288.48**
Rim Elevation example **297.53**
Manhole Type **STD** = Standard
Water Type **Sewage**
Active Flag **1** = True (active), **2** = False (inactive)
Tract Number example **T-17001**
Contract Number example **C-1801**
Comments optional

ssNetworkStructure

Field *Applicable Value(s)*
Install Date **20190101** (YYYYMMDD) per Final Record Drawing
Location Description example **1048 Avenida Pico, San Clemente, 92672**
Facility Name example **Pico LS**
Structure Type **Lift Station, Treatment Plant, Discharge Structure**
Active Flag **1** = True (active), **2** = False (inactive)
Tract Number example **T-17001**
Contract Number example **C-1801**
Comments optional

ssPressurizedMain

Field *Applicable Value(s)*
Install Date **20190101** (YYYYMMDD) per Final Record Drawing
Material **CML&C, DIP, PVC**
Diameter example **10** (inches)
Water Type **Sewage**
Active Flag **1** = True (active), **2** = False (inactive)
Tract Number example **T-17001**
Contract Number example **C-1801**
Pipe Class example **CL200** (refer to SMWD Design Criteria specifications for Sewer)
Comments optional

ssServiceConnection

Field *Applicable Value(s)*
Install Date **20190101** (YYYYMMDD) per Final Record Drawing
Active Flag **1** = True (active), **2** = False (inactive)
Tract Number example **T-17001**
Contract Number example **C-1801**

ssSystemValve

Field *Applicable Value(s)*

Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Diameter	example 8 (inches)
Valve Type	Gate
Active Flag	1 = True (active), 2 = False (inactive)
Tract Number	example T-17001
Contract Number	example C-1801

ssUnderGroundStructure	Pending, to be determined
<i>Field</i>	<i>Applicable Value(s)</i>
Location Description	example ALICIA PKWY VALVE VAULT
Structure Type	Access Vault, Containment Vault, Valve Vault
Tract Number	example T-17001
Contract Number	example C-1801

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

swCasing	
<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Diameter	width of casing, example 24 (inches)
Material	Pending
Casement Length	length of casing in feet
Casement Type	Pending
Active Flag	1 = True (active), 2 = False (inactive)
Tract Number	example T-17001
Comments	optional

swCleanOut	
<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Cleanout Type	Cleanout
Active Flag	1 = True (active), 2 = False (inactive)
Tract Number	example T-17001
Comments	optional

swControlValve	
<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Diameter	example 8 (inches)
Valve Type	Flap Gate Pending
Active Flag	1 = True (active), 2 = False (inactive)
Tract Number	example T-17001

swCulvert	
<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Material	Pending
Diameter	Pending
Active Flag	1 = True (active), 2 = False (inactive)
Tract Number	example T-17001
Comments	optional

swDetention	
<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Location Description	Pending
Width	Pending
Depth	Pending
Active Flag	1 = True (active), 2 = False (inactive)
Tract Number	example T-17001
Comments	optional

swDischargePoint	
<i>Field</i>	<i>Applicable Value(s)</i>
Install Date	20190101 (YYYYMMDD) per Final Record Drawing
Discharge Type	Standard Outlet
Diameter	example 18 (inches)
Active Flag	1 = True (active), 2 = False (inactive)
Tract Number	example T-17001

Comments optional

swDissipator

Field *Applicable Value(s)*
Install Date **20190101** (YYYYMMDD) per Final Record Drawing
Tract Number example **T-17001**

swDownDrainPipe

Field *Applicable Value(s)*
Install Date **20190101** (YYYYMMDD) per Final Record Drawing
Tract Number example **T-17001**

swGravityMain

Field *Applicable Value(s)*
Install Date **20190101** (YYYYMMDD) per Final Record Drawing
Material **HDPE, PVC, Reinforced Concrete**
Diameter example **48** (inches)
Downstream Elevation example **275.26**
Upstream Elevation example **281.35**
Active Flag **1** = True (active), **2** = False (inactive)
Owned By example **Other** (all values currently read Other)
Tract Number example **T-17001**
Comments optional

swInlet

Field *Applicable Value(s)*
Install Date **20190101** (YYYYMMDD) per Final Record Drawing
Inlet Type **Box Connection, Catchbasin, Collar, Drop Inlet, Grate Inlet, Standard, Velocity Ring**
Invert Elevation example **200.24**
Active Flag **1** = True (active), **2** = False (inactive)
Owned By example **Other** (all values currently read Other)
Tract Number example **T-17001**
Comments optional

swLateralLine

Feaure Class table does not exist

swManhole

Field *Applicable Value(s)*
Install Date **20190101** (YYYYMMDD) per Final Record Drawing
Invert Elevation example **799.56**
Rim Elevation example **803.56**
Wall Material **Pending**
Manhole Type **STD** = Standard
Active Flag **1** = True (active), **2** = False (inactive)
Tract Number example **T-17001**
Comments optional

swNetworkStructure

Field *Applicable Value(s)*
Install Date **20190101** (YYYYMMDD) per Final Record Drawing
Location Description **Pending**
Structure Type **Pending**
Active Flag **1** = True (active), **2** = False (inactive)
Tract Number example **T-17001**
Comments optional

swOpenDrain

Field *Applicable Value(s)*
Install Date **20190101** (YYYYMMDD) per Final Record Drawing
Top Width **Pending**
Bottom Width **Pending**
Depth **Pending**
Active Flag **1** = True (active), **2** = False (inactive)
Tract Number example **T-17001**
Comments optional

swPressurePipe

Field *Applicable Value(s)*
Install Date **20190101** (YYYYMMDD) per Final Record Drawing
Material **Pending**
Diameter example **12** (inches)

Active Flag 1 = True (active), 2 = False (inactive)
Tract Number example T-17001
Comments optional

swRipRap

Field Applicable Value(s)
Install Date 20190101 (YYYYMMDD) per Final Record Drawing
Tract Number example T-17001

swRiser

Field Applicable Value(s)
Install Date 20190101 (YYYYMMDD) per Final Record Drawing
Tract Number example T-17001

swSystemValve

Field Applicable Value(s)
Install Date 20190101 (YYYYMMDD) per Final Record Drawing
Location Description Pending
Diameter example 12 (inches)
Valve Type Pending
Active Flag 1 = True (active), 2 = False (inactive)
Tract Number example T-17001
Comments optional

swWeirStructure

Field Applicable Value(s)
Install Date 20190101 (YYYYMMDD) per Final Record Drawing
Location Description Pending
Weir Type Pending
Material Pending
Length length of weir in feet
Active Flag 1 = True (active), 2 = False (inactive)
Tract Number example T-17001
Comments optional

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

pfwHydrant

Field Applicable Value(s)
Install Date 20190101 (YYYYMMDD) per Final Record Drawing
Active Flag 1 = True (active), 2 = False (inactive)
Pressure Zone example 1, 2, 3, 4, 5
Tract Number example T-17001
Comments optional

pfwLateralLine

Field Applicable Value(s)
Install Date 20190101 (YYYYMMDD) per Final Record Drawing
Material CML&C, Copper, DIP, PVC Pending
Line Type Private Fire Hydrant Pending
Diameter example 4 (inches)
Water Type Private Fire Water Pending
Active Flag 1 = True (active), 2 = False (inactive)
Pressure Zone example 1, 2, 3, 4, 5
Tract Number example T-17001
Comments optional

pfwMain

Field Applicable Value(s)
Install Date 20190101 (YYYYMMDD) per Final Record Drawing
Material Copper, DIP, PVC Pending
Diameter example 4 (inches)
Water Type Private Fire Water Pending
Active Flag 1 = True (active), 2 = False (inactive)
Tract Number example T-17001

pfwThrustBlock

Field Applicable Value(s)
Install Date 20190101 (YYYYMMDD) per Final Record Drawing

Material **Concrete**
Location Description **Pending**
Active Flag **1 = True (active), 2 = False (inactive)**
Tract Number **example T-17001**

pfwValve

Install Date **20190101** (YYYYMMDD) per Final Record Drawing
Diameter **example 4** (inches)
Valve Type **Backflow Preventor, Detector Check, Gate, Post Indicator** **Pending**
Active Flag **1 = True (active), 2 = False (inactive)**
Tract Number **example T-17001**