Storm Water Geodatabase Diagram

The Storm Water data is comprised of multiple features that make up the whole Storm Water system.

Geodatabase [redacted]

Date generated May 22, 2008

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Class	Description
Polygon feature class **ImperviousSurface** (*Subtypes are Building, Pavement, Sidewalk, Gravel*)	Non residential parcels' impervious surface digitized
Point feature class **StormCatchBasins**	Storm Water Catch Basins
Line feature class **StormCulvert**	Storm Water Culverts
Point feature class **StormCulvertPoint**	Storm Water Culvert Points (open pipe ends not connected to Manholes or Catch Basins)
Line feature class **StormDitchLine**	Storm Water ditch lines from Outfall to stream
Line feature class **StormMains**	Storm Water Mains
Point feature class **StormManholes**	Storm Water Manholes
Point feature class **SW_Structures_Net_Junctions**	System generated points for the Newtork
Table **SW_IDDE_SITES**	Storm Water Illicit Discharge Sites
Point feature class **SW_Outfall_Inventory**	Storm Water Outfalls
Polygon feature class **SW_UTILITY**	Impervious Surface in the Storm Water Utility Area
Line feature class **StormAbandonedPipes**	Storm Water Abandoned Pipes is used to indicate pipes found, but determined to be abandoned.
Line feature class **StormInferredLines**	Storm Water Inferred Lines is used to indicate the guessed location of a pipe expected to be present.
Point feature class **StormInferredPoints**	Storm Water Inferred Points is used to indicate the guessed location of a structure expected to be present.
Point feature class **StormPluggedPoints**	Storm Water Plugged Points is used to indicate points found (typically culverts or inverts), but determined to be intentionally plugged.

Relationship class **SW_OutfallHasIDDE**
One to many

Simple feature class ImperviousSurface

Geometry *Polygon* · Contains M values *No* · Contains Z values *No*

Non residential parcels' impervious surface digitized

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	
OBJECTID	Object ID							
SHAPE	Geometry	Yes						
SURTYPE	Long integer	Yes	1		0			Surface Type
DATEEDIT	Date	Yes			0	0	8	Date Edited
X	Double	Yes			0	0		X Polygon Centriod State Plane Ohio South NAD 83 Feet
Y	Double	Yes			0	0		Y Polygon Centriod State Plane Ohio South NAD 83 Feet
PARID	String	Yes					20	Parcel ID
CLASS	String	Yes					10	Landuse Class
LAND_USE	Long integer	Yes			0			Land Use Code
UTILITIES	String	Yes		Yes_No_Text			5	Yes No field to denote if part of the utility
SHAPE_Length	Double	Yes			0	0		
SHAPE_Area	Double	Yes			0	0		

Subtypes of ImperviousSurface

Subtype field *SURTYPE*
Default subtype *1*

List of defined default values and domains for subtypes in this class

Subtype Code	Subtype Description	Field name	Default value	Domain
1	Building	UTILITIES		Yes_No_Text
2	Pavement	UTILITIES		Yes_No_Text
3	Sidewalk	UTILITIES		Yes_No_Text
4	Gravel	UTILITIES		Yes_No_Text

Simple feature class StormCatchBasins

Geometry *Point* · Contains M values *No* · Contains Z values *No*

Storm Water Catch Basins

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	
OBJECTID	Object ID							
SHAPE	Geometry	Yes						
ODOT_TYPE	String	Yes		CATCH BASIN TYPE			20	ODOT Catch basin type
METHOD	String	Yes		METHOD			15	Method of capture
RIM_E	Double	Yes			0	0		Rim elevation in feet
YEAR_	String	Yes					4	Year input
PROJECT	String	Yes					30	Project name
INVERT	Double	Yes			0	0		Invert elevation in feet
FILE_NO	String	Yes					10	File Number of the project
X	Double	Yes			0	0		X coordinate in Sate Plane Ohio South NAD83 Feet
Y	Double	Yes			0	0		Y coordinate in Sate Plane Ohio South NAD Feet
ENABLED	Short integer	Yes	1	EnabledDomain	0			
ANCILLARYROLE	Short integer	Yes	0	AncillaryRoleDomain	0			
ST_ID	String	Yes					15	Structure ID using special naming convention
TYPE	String	Yes		SW_CATCH_BASIN_TYPE			20	Catch basin type
INLET_MAT	String	Yes		SW_catch_basin_inlet_Material			25	Inlet material
STRUCT_MAT	String	Yes		SW_Structure_material			25	Structure material
DEP_THROFT	Double	Yes			0	0		Depth of Throat in feet
DEP_STRFT	Double	Yes			0	0		Depth of structure in feet
CONDITION	String	Yes		SW_Field_Condition			15	Condition
ACCESS	String	Yes		SW_Field_ACCESS			25	Access
REHAB	String	Yes		SW_Out_Rehab			15	Rehab
FLOW	String	Yes		SW_Flow_Rate			5	Flow
FLOODING	String	Yes		Yes_No_Text			5	Flooding
DEBRIS	String	Yes		SW_Debris			25	Debris
CLEANING	String	Yes		SW_CLEANING			25	Cleaning
ILLICIT	String	Yes		Yes_No_Text			5	Illicit
FLAG	String	Yes		SW_Flag			25	Flagged
LABEL	String	Yes		SW_Label			10	Storm Water Label
NUM_INVTS	String	Yes					15	Number of inverts
SIZ_1_IN	Double	Yes			0	0		1st invert size in inches, starting North, moving clockwise
TYP_1	String	Yes		PIPE MATERIAL			20	1st invert type, starting North, moving clockwise
DIR_1	String	Yes		SW_directional			15	1st invert direction, starting North, moving clockwise
INV_1_FT	Double	Yes			0	0		1st invert depth from surface in feet, starting North, moving clockwise
SIZ_2_IN	Double	Yes			0	0		2nd invert size in inches, starting North, moving clockwise
TYP_2	String	Yes		PIPE MATERIAL			20	2nd invert type, starting North, moving clockwise
DIR_2	String	Yes		SW_directional			15	2nd invert direction, starting North, moving clockwise
INV_2_FT	Double	Yes			0	0		2nd invert depth from surface in feet, starting North, moving clockwise
SIZ_3_IN	Double	Yes			0	0		3rd invert size in inches, starting North, moving clockwise
TYP_3	String	Yes		PIPE MATERIAL			20	3rd invert type, starting North, moving clockwise
DIR_3	String	Yes		SW_directional			15	3rd invert direction, starting North, moving clockwise
INV_3_FT	Double	Yes			0	0		3rd invert depth from surface in feet, starting North, moving clockwise
SIZ_4_IN	Double	Yes			0	0		4th invert size in inches, starting North, moving clockwise
TYP_4	String	Yes		PIPE MATERIAL			20	4th invert type, starting North, moving clockwise
DIR_4	String	Yes		SW_directional			15	4th invert direction, starting North, moving clockwise
INV_4_FT	Double	Yes			0	0		4th invert depth from surface in feet, starting North, moving clockwise
SIZ_5_IN	Double	Yes			0	0		5th invert size in inches, starting North, moving clockwise
TYP_5	String	Yes		PIPE MATERIAL			20	5th invert type, starting North, moving clockwise
DIR_5	String	Yes		SW_directional			15	5th invert direction, starting North, moving clockwise
INV_5_FT	Double	Yes			0	0		5th invert depth from surface in feet, starting North, moving clockwise
SIZ_6_IN	Double	Yes			0	0		6th invert size in inches, starting North, moving clockwise
TYP_6	String	Yes		PIPE MATERIAL			20	6th invert type, starting North, moving clockwise
DIR_6	String	Yes		SW_directional			15	6th invert direction, starting North, moving clockwise
INV_6_FT	Double	Yes			0	0		6th invert depth from surface in feet, starting North, moving clockwise
COMMENT	String	Yes					255	Comment Field
GRID_CODE	Double	Yes			0	0		Elevation from the Digital Terrain Model
INV_ELV_1	Double	Yes			0	0		Invert Elevation calculated by using DTM elevation minus Invert Depth
INV_ELV_2	Double	Yes			0	0		Invert Elevation calculated by using DTM elevation minus Invert Depth
INV_ELV_3	Double	Yes			0	0		Invert Elevation calculated by using DTM elevation minus Invert Depth
INV_ELV_4	Double	Yes			0	0		Invert Elevation calculated by using DTM elevation minus Invert Depth
INV_ELV_5	Double	Yes			0	0		Invert Elevation calculated by using DTM elevation minus Invert Depth
INV_ELV_6	Double	Yes			0	0		Invert Elevation calculated by using DTM elevation minus Invert Depth

Simple feature class StormCulvert

Geometry *Polyline* · Contains M values *No* · Contains Z values *No*

Storm Water Culverts

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	
OBJECTID	Object ID							
Shape	Geometry	Yes						
FIELD_SIZE	String	Yes					15	Size in inches measured in the field
Material	String	Yes		PIPE MATERIAL			30	Pipe Material
PLANS_SIZE	Long integer	Yes	0		0			Size in inches from the construction drawings
METHOD	String	Yes		METHOD			15	Method of collection
UP_INVERT_E	Double	Yes			0	0		Upstream Invert Elevation in feet
DOWN_INVERT_E	Double	Yes			0	0		Downstream invert elevation in feet
GRADE_PERCENT	Double	Yes			0	0		Percent Grade
YEAR_	String	Yes					4	Year input into the ground
PROJECT	String	Yes					30	Project Name
FILE_NO	String	Yes					10	File Number
US_TYPE	String	Yes					16	Upstream point Type
DS_TYPE	String	Yes					16	Downstream point type
ST_ID	String	Yes					15	Structure ID using special naming convention
Enabled	Short integer	Yes	1	EnabledDomain	0			
US_ST_ID	String	Yes					15	Upstream Station ID
DS_ST_ID	String	Yes					15	Downstream Station ID
COMMENT	String	Yes				0	255	Comment Field
Shape_Length	Double	Yes			0	0		

Simple feature class StormCulvertPoint

Geometry *Point* · Contains M values *No* · Contains Z values *No*

Storm Water Culvert Points (open pipe ends not connected to Manholes or Catch Basins)

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	
OBJECTID	Object ID							
Shape	Geometry	Yes						
ST_ID	String	Yes					15	Structure ID using special naming convention
TYPE	String	Yes		SW_Out_type			25	Type of Culvert Point
STRUCT_MAT	String	Yes		SW_field_culvert_struct_mat			25	Structure Material
PIPE_SZEin	Double	Yes			0	0		Pipe size in inches
PIPE_MAT	String	Yes					20	Pipe Material
DEPTHft	Double	Yes			0	0		Depth in feet from top of structure to invert
DIR	String	Yes		SW_directional			15	Direction of flow
INLT_OUTLT	String	Yes		SW_INLET_OUTLET			10	Inlet or Outlet
METHOD	String	Yes		METHOD			15	Method of collection
FROM_POND	String	Yes		Yes_No_Text			5	Denotes if draining from Pond
SCOUR	String	Yes		Yes_No_Text			5	Scour
CONDITION	String	Yes		SW_Field_Condition			15	Condition
REHAB	String	Yes		SW_Out_Rehab			15	Rehab
ACCESS	String	Yes		SW_Field_ACCESS			5	Access
FLOW	String	Yes		SW_Flow_Rate			5	Flow
FLOODING	String	Yes		Yes_No_Text			5	Flooding
DEBRIS	String	Yes		SW_Debris			25	Debris
CLEANING	String	Yes		Yes_No_Text			5	Cleaning
ILLICIT	String	Yes		Yes_No_Text			5	Illicit
FLAG	String	Yes		SW_Flag			25	Flagged
COMMENT	String	Yes					255	Comment
X	Double	Yes			0	0		X coordinate in State Plane Ohio South NAD83 Feet
Y	Double	Yes			0	0		Y coordinate in State Plane Ohio South NAD83 Feet
GRID_CODE	Double	Yes			0	0		Elevation from the Digital Terrain Model
INV_ELV	Double	Yes			0	0		Invert Elevation
Enabled	Short integer	Yes	1	EnabledDomain	0			
AncillaryRole	Short integer	Yes	0	AncillaryRoleDomain	0			

Simple feature class StormDitchLine

Geometry *Polyline* · Contains M values *No* · Contains Z values *No*

Storm Water ditch lines from outfall structure or stream

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
Shape	Geometry	Yes					
Shape_Length	Double	Yes			0	0	

Simple feature class StormMains

Geometry *Polyline* · Contains M values *No* · Contains Z values *No*

Storm Water Mains

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	
OBJECTID	Object ID							
Shape	Geometry	Yes						
FIELD_SIZE	String	Yes					15	Size in inches measured in the field
Material	String	Yes		PIPE MATERIAL			30	Pipe Material
PLANS_SIZE	Long integer	Yes	0		0			Size in inches from construction drawings
METHOD	String	Yes		METHOD			15	Method of collection
UP_INVERT_E	Double	Yes			0	0		Upstream invert elevation in feet
DOWN_INVERT_E	Double	Yes			0	0		Downstream elevation in feet
GRADE_PERCENT	Double	Yes			0	0		Percent grade
YEAR_	String	Yes					4	Year input into the ground
PROJECT	String	Yes					30	Project name
FILE_NO	String	Yes					10	File number
US_TYPE	String	Yes					16	Upstream point type
DS_TYPE	String	Yes					16	Downstream Point type
ST_ID	String	Yes					15	Structure ID
Enabled	Short integer	Yes	1	EnabledDomain	0			
US_ST_ID	String	Yes					15	Upstream Structure ID
DS_ST_ID	String	Yes					15	Downstream Structure ID
COMMENT	String	Yes				0	255	Comment Field
Shape_Length	Double	Yes			0	0		

Simple feature class StormManholes

Geometry *Point* · Contains M values *No* · Contains Z values *No*

Storm Water Manholes

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	
OBJECTID	Object ID							
Shape	Geometry	Yes						
ST_ID	String	Yes					15	Structure ID using special naming convention
TYPE	String	Yes		SW_field_manhole_type			25	Type of Stucture
LID_TYPE	String	Yes		SW_field_manhole_Lid_type			25	Lid Type
LID_MAT	String	Yes		SW_field_manhole_Lid_material			25	Lid Material
STRUCT_MAT	String	Yes		SW_Structure_material			25	Structure Material
DEPTH_ft	Double	Yes			0	0		Depth in Feet
CONDITION	String	Yes		SW_Field_Condition			15	Condition
REHAB	String	Yes		SW_Out_Rehab			15	Rehab
ACCESS	String	Yes		SW_Field_ACCESS			25	Access
FLOW	String	Yes		SW_Flow_Rate			5	Flow
FLOODING	String	Yes		Yes_No_Text			5	Flooding
DEBRIS	String	Yes		SW_Debris			25	Debris
CLEANING	String	Yes		SW_CLEANING			25	Cleaning
ILLICIT	String	Yes		Yes_No_Text			5	Illicit
FLAG	String	Yes		SW_Flag			25	Flagged
Num_INVTS	String	Yes					15	Number of inverts
SIZ_1_in	Double	Yes			0	0		1st invert size in inches, starting North, moving clockwise
TYP_1	String	Yes		PIPE MATERIAL			20	1st invert type, starting North, moving clockwise
DIR_1	String	Yes		SW_directional			15	1st invert direction, starting North, moving clockwise
INV_1_ft	Double	Yes			0	0		1st invert depth from surface in feet, starting North, moving clockwise
SIZ_2_in	Double	Yes			0	0		2nd invert size in inches, starting North, moving clockwise
TYP_2	String	Yes		PIPE MATERIAL			20	2nd invert type, starting North, moving clockwise
DIR_2	String	Yes		SW_directional			15	2nd invert direction, starting North, moving clockwise
INV_2_ft	Double	Yes			0	0		2nd invert depth from surface in feet, starting North, moving clockwise
SIZ_3_in	Double	Yes			0	0		3rd invert size in inches, starting North, moving clockwise
TYP_3	String	Yes		PIPE MATERIAL			20	3rd invert type, starting North, moving clockwise
DIR_3	String	Yes		SW_directional			15	3rd invert direction, starting North, moving clockwise
INV_3_ft	Double	Yes			0	0		3rd invert depth from surface in feet, starting North, moving clockwise
SIZ_4_in	Double	Yes			0	0		4th invert size in inches, starting North, moving clockwise
TYP_4	String	Yes		PIPE MATERIAL			20	4th invert type, starting North, moving clockwise
DIR_4	String	Yes		SW_directional			15	4th invert direction, starting North, moving clockwise
INV_4_ft	Double	Yes			0	0		4th invert depth from surface in feet, starting North, moving clockwise
SIZ_5_in	Double	Yes			0	0		5th invert size in inches, starting North, moving clockwise
TYP_5	String	Yes		PIPE MATERIAL			20	5th invert type, starting North, moving clockwise
DIR_5	String	Yes		SW_directional			15	5th invert direction, starting North, moving clockwise
INV_5_ft	Double	Yes			0	0		5th invert depth from surface in feet, starting North, moving clockwise
SIZ_6_in	Double	Yes			0	0		6th invert size in inches, starting North, moving clockwise
TYP_6	String	Yes		PIPE MATERIAL			20	6th invert type, starting North, moving clockwise
DIR_6	String	Yes		SW_directional			15	6th invert direction, starting North, moving clockwise
INV_6_ft	Double	Yes			0	0		6th invert depth from surface in feet, starting North, moving clockwise
METHOD	String	Yes		METHOD			15	Method of Collection
RIM_E	Double	Yes			0	0		Rim Elevation in feet
INVERT	Double	Yes			0	0		Invert Elevation
YEAR_	String	Yes					4	Year input into the ground
PROJECT	String	Yes					30	Project Name
FILE_NO	String	Yes					10	File Number
X	Double	Yes			0	0		X coordinate in Sate Plane Ohio South NAD83 Feet
Y	Double	Yes			0	0		Y coordinate in Sate Plane Ohio South NAD Feet
GRID_CODE	Double	Yes			0	0		Elevation from the Digital Terrain Model
INV_ELV_1	Double	Yes			0	0		Invert Elevation calculated by using DTM elevation minus Invert Depth
INV_ELV_2	Double	Yes			0	0		Invert Elevation calculated by using DTM elevation minus Invert Depth
INV_ELV_3	Double	Yes			0	0		Invert Elevation calculated by using DTM elevation minus Invert Depth
INV_ELV_4	Double	Yes			0	0		Invert Elevation calculated by using DTM elevation minus Invert Depth
INV_ELV_5	Double	Yes			0	0		Invert Elevation calculated by using DTM elevation minus Invert Depth
INV_ELV_6	Double	Yes			0	0		Invert Elevation calculated by using DTM elevation minus Invert Depth
Enabled	Short integer	Yes	1	EnabledDomain	0			
AncillaryRole	Short integer	Yes	0	AncillaryRoleDomain	0			
COMMENT	String	Yes				0	255	Comment Field

Simple feature class SW_Structures_Net_Junctions

Geometry *Point* · Contains M values *No* · Contains Z values *No*

System generated points for the Newtork

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length
OBJECTID	Object ID						
SHAPE	Geometry	Yes					
Enabled	Short integer	Yes	1	EnabledDomain	0		

Simple feature class SW_Outfall_Inventory

Geometry *Point* · Contains M values *No* · Contains Z values *No*

Storm Water Outfalls

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	
OBJECTID	Object ID							
SHAPE	Geometry	Yes						
DATE_	Date	Yes			0	0	8	Date collected in the field
XCOORD	Double	Yes			0	0		X coordinate in State Plane Ohio South NAD83 Feet
YCOORD	Double	Yes			0	0		Y coordinate in State Plane Ohio South NAD83 Feet
HUC_ID	String	Yes					14	14 digit Hydraulic Unit Code (HUC) ID
BASIN_ID	String	Yes					2	Basin ID
SUBB_ID	String	Yes					4	Sub Basin ID
FEAT_ID	String	Yes					4	Feature ID
OUT_TYPE	String	Yes		SW_Out_type			20	Outfall Type
OUT_MAT	String	Yes		PIPE MATERIAL			20	Outfall Material
OUT_DIAM	Long integer	Yes			0			Outfall diameter
OUT_REHAB	String	Yes		SW_Out_Rehab			10	Denotes if Outfall needs rehab
OUT_COND	String	Yes		SW_Out_cond			25	Outfall Condition
SCOUR	String	Yes		Yes_No_Text			3	Denotes if there is Scour present
DEBRIS	String	Yes		SW_Debris			30	Denotes if there is Debris presint
CLEAN	String	Yes		Yes_No_Text			3	Denotes if the outfall needs to be cleaned
FLOW	String	Yes		SW_Flow			50	Flow Type
PRECIP	String	Yes		Yes_No_Text			3	Denotes if there was precipitation
FLOW_RATE	String	Yes					10	Flow Rate
FLOW_DESCR	String	Yes					30	Flow Description
VER	String	Yes		Yes_No_Text			3	Need to be verified
PHOTO		Yes			0	0	0	Photo Field
PRIVATE	String	Yes		Yes_No_Text			3	Denotes if the outfall is Private

Simple feature class SW_UTILITY

Geometry *Polygon* · Contains M values *No* · Contains Z values *No*

Impervious Surface in the Storm Water Utility Area

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	
OBJECTID	Object ID							
SHAPE	Geometry	Yes						
SURTYPE	Long integer	Yes			0			Surface type
DATEEDIT	Date	Yes			0	0	8	Date Edited
PARID	String	Yes					20	Parcel Identification Number
CLASS	String	Yes					10	General Landuse
LAND_USE	Long integer	Yes			0			Land use Code
UTILITIES	String	Yes					5	Denotes if the feature is in the utility service area
X	Double	Yes			0	0		X coordinate in State Plane Ohio South NAD83 Feet of polygon centroid
Y	Double	Yes			0	0		Y coordinate in State Plane Ohio South NAD83 Feet of polygon centroid
SHAPE_Length	Double	Yes			0	0		
SHAPE_Area	Double	Yes			0	0		

Relationship class SW_MainsHasPhoto

Type *Simple* · Cardinality *One to many* · Notification *None*
Forward label *SW_STRUCUTE_PHOTOS* · Backward label *Storm_Mains*

Origin feature class	Destination table
Name *StormMains*	Name *SW_STRUCTURE_PHOTOS*
Primary key *ST_ID*	
Foreign key *ST_ID*	

No relationship rules defined.

Simple feature class StormAbondonedPipes

Geometry *Polyline* · Contains M values *No* · Contains Z values *No*

Storm Water Abandoned Pipes is used to indicate lines found, but determined to be abandoned.

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	
OBJECTID	Object ID							
SHAPE	Geometry	Yes						
ST_ID	String	Yes					15	Structure ID using special naming convention
COMMENT	String	Yes					255	Comment Field
Enabled	Short integer	Yes	1	EnabledDomain	0			

Simple feature class StormInferredLines

Geometry *Polyline* · Contains M values *No* · Contains Z values *No*

Storm Water Inferred Lines is used to indicate the guessed location of a pipe expected to be present.

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	
OBJECTID	Object ID							
SHAPE	Geometry	Yes						
ST_ID	String	Yes					15	Structure ID using special naming convention
US_ST_ID	String	Yes					15	Upstream Structure ID
DS_ST_ID	String	Yes					15	Downstream Structure ID
COMMENT	String	Yes					255	Comment Field
Enabled	Short integer	Yes	1	EnabledDomain	0			

Simple feature class StormInferredPoints

Geometry *Point* · Contains M values *No* · Contains Z values *No*

Storm Water Inferred Points is used to indicate the guessed location of a structures expected to be present.

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	
OBJECTID	Object ID							
SHAPE	Geometry	Yes						
ST_ID	String	Yes					15	Structure ID using special naming convention
COMMENT	String	Yes					255	Comment Field
Enabled	Short integer	Yes	1	EnabledDomain	0			

Simple feature class StormPluggedPoints

Geometry *Point* · Contains M values *No* · Contains Z values *No*

Storm Water Plugged Points is used to indicate points found (typically culverts or inverts), but determined to be intentionally plugged.

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	
OBJECTID	Object ID							
SHAPE	Geometry	Yes						
ST_ID	String	Yes					15	Structure ID using special naming convention
COMMENT	String	Yes					255	Comment Field
Enabled	Short integer	Yes	1	EnabledDomain	0			

Table SW_STRUCTURE_PHOTOS

Storm Water Illicit Discharge Sites

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	
OBJECTID	Object ID							
ST_ID	String	Yes					10	Structure ID using special naming convention
PHOTOPATH	String	Yes					3	Path to photo

Relationship class SW_ManholeHasPhoto

Type *Simple* · Cardinality *One to many* · Notification *None*
Forward label *SW_STRUCUTE_PHOTOS* · Backward label *StormManholes*

Origin feature class	Destination table
Name *StormManholes*	Name *SW_STRUCTURE_PHOTOS*
Primary key *ST_ID*	
Foreign key *ST_ID*	

No relationship rules defined.

Coded value domains

AncillaryRoleDomain

Description · Field type *Short integer* · Split policy *Default value* · Merge policy *Default value*

Code	Description
0	None
1	Source
2	Sink

CATCH BASIN TYPE

Description *ODOT Standard* · Field type *Construction Dwgs CBs* · Split policy *String* · Merge policy *Default value*

Code	Description
CB-2-2-A	CB-2-2-A
CB-2-2-B	CB-2-2-B
CB-2-3	CB-2-3
CB-2-4	CB-2-4
CB-2-5	CB-2-5
CB-2-6	CB-2-6
CB-3A	CB-3A
CB-3	CB-3
CB-5	CB-5
CB-6	CB-6
CB-7	CB-7
CB-8	CB-8
CB-458A	CB-458A
CB-4	CB-4
CURB	CURB
YARD	YARD
CB-3M	CB-3M
CB-3MH	CB-3MH
CB-3AMH	CB-3AMH

EnabledDomain

Description · Field type *Short integer* · Split policy *Default value* · Merge policy *Default value*

Code	Description
0	False
1	True

METHOD

Description *How the data was aquired* · Field type *String* · Split policy *Default value* · Merge policy *Default value*

Code	Description
PLANS	PLANS
FIELD	FIELD
AERIAL	AERIAL
MAPBOOK	MAPBOOK

PIPE MATERIAL

Description *Storm Water Pipe Material* · Field type *String* · Split policy *Default value* · Merge policy *Default value*

Code	Description
PVC	PVC
CMP	CMP
CPP	CPP
TILE	TILE
OTHER	OTHER
DIP	DIP
RCP	RCP
WINDOW	WINDOW
BOX	BOX

SW_catch_basin_inlet_Material

Description *Storm water catch basin inlet material* · Field type *String* · Split policy *Default value* · Merge policy *Default value*

Code	Description
CAST IRON	CAST IRON
POURED CONC	POURED CONC
PRE-CAST CONC	PRE-CAST CONC
OTHER	OTHER
PLASTIC	PLASTIC
REBAR	REBAR
STEEL	STEEL
CONC SLAB	CONC SLAB
NONE	NONE

SW_CATCH_BASIN_TYPE

Description *Catch basin types* · Field type *String* · Split policy *Default value* · Merge policy *Default value*

Code	Description
GRATE	GRATE
DOUBLE GRATE	DOUBLE GRATE
CURB W/GRATE	CURB W/GRATE
CURB W/DBL GRATE	CURB W/DBL GRATE
CURB W/MANHOLE	CURB W/MANHOLE
CURB W/O MANHOLE	CURB W/O MANHOLE
RAISED/HONEYCOMB	RAISED/HONEYCOMB
YARD	YARD
YARD W/SLAB	YARD W/SLAB
OTHER	OTHER
DETENTION	DETENTION
RETENTION	RETENTION
ROADSIDE YARD	ROADSIDE YARD

SW_CLEANING

Description *If cleaning was done it denotes the type* · Field type *String* · Split policy *Default value* · Merge policy *Default value*

Code	Description
NO	NO
CLEAN GRATE	CLEAN GRATE
CLEAN INTERIOR	CLEAN INTERIOR

SW_Debris

Description *Storm Water debris indicator* · Field type *String* · Split policy *Default value* · Merge policy *Default value*

Code	Description
FLOW BLOCKED	FLOW BLOCKED
NONE	NONE
SLIGHT	SLIGHT
MODERATE	MODERATE
HEAVY	HEAVY

SW_directional

Description *Directionals for invert direction in the Storm* · Field type *Water* · Split policy *String* · Merge policy *Default value*

Code	Description
N	North
NE	NE
E	East
SE	SE
S	South
SW	SW
W	West
NW	NW

SW_Flow

Description *Storm water type of out flow* · Field type *String* · Split policy *Default value* · Merge policy *Default value*

Code	Description
POND/BASIN	POND/BASIN
OPEN CHANNEL	OPEN CHANNEL
SWALE	SWALE
POOL/WETLAND	POOL/WETLAND
STORM SEWER	STORM SEWER

SW_field_manhole_type

Description *Storm Water Manhole types for Storm Water Field Collection* · Field type *String* · Split policy *Default value* · Merge policy *Default value*

Code	Description
MANHOLE	MANHOLE
JUNCTION BOX	JUNCTION BOX
COMMON	COMMON
OTHER	OTHER

SW_Field_ACCESS

Description *Reason why the stucture could not be accessed* · Field type *String* · Split policy *Default value* · Merge policy *Default value*

Code	Description
P. OWNER DENIED	P. OWNER DENIED
FENCE DENIED	FENCE DENIED
PET DENIED	PET DENIED
EQUIPMENT NEEDED	EQUIPMENT NEEDED
BURIED	BURIED
OTHER	OTHER
NA	NA
VEGETATION DENIED	VEGETATION DENIED
TERRAIN DENIED	TERRAIN DENIED

SW_Structure_material

Description *Manhole and Catach Basin Structure Material Storm Water Field Collection* · Field type *String* · Split policy *Default value* · Merge policy *Default value*

Code	Description
POURED CONC	POURED CONC
PRE-CAST CONC	PRE-CAST CONC
BLOCK	BLOCK
BRICK	BRICK
CONC AND BRICK	CONC AND BRICK
STONE	STONE
SKIM COAT	SKIM COAT
OTHER	OTHER
PLASTIC	PLASTIC

SW_field_manhole_Lid_material

Description *Storm Water Manhole Lid Material for Storm Water Field Collection* · Field type *String* · Split policy *Default value* · Merge policy *Default value*

Code	Description
CAST IRON	CAST IRON
POUR CONC	POUR CONC
PRE-CAST CONC	PRE-CAST CONC
OTHER	OTHER
NONE	NONE

SW_field_manhole_Lid_type

Description *Storm Water Manhole Lid types for Storm Water Field Collection* · Field type *String* · Split policy *Default value* · Merge policy *Default value*

Code	Description
SOLID COVER	SOLID COVER
GRATE	GRATE
VENTED	VENTED
OTHER	OTHER
NONE	NONE

SW_Out_cond

Description *Storm Water Outlet condition* · Field type *String* · Split policy *Default value* · Merge policy *Default value*

Code	Description
CRACKED/BROKEN	CRACKED/BROKEN
BLOCKED/COLLAPSED	BLOCKED/COLLAPSED
DEFLECTED	DEFLECTED
OFFSET	OFFSET
OTHER	OTHER
GOOD	GOOD
RUSTED	RUSTED

SW_Out_Rehab

Description *Denote if Storm Water needs Rehab* · Field type *String* · Split policy *Default value* · Merge policy *Default value*

Code	Description
NO REHAB	NO REHAB
REPAIR	REPAIR
REPLACE	REPLACE

SW_Label

Description *Type of Label on the Catch Basin* · Field type *String* · Split policy *Default value* · Merge policy *Default value*

Code	Description
PRECAST	PRECAST
STICKER	STICKER
BOTH	BOTH
NONE	NONE

SW_field_culvert_struct_mat

Description *Storm Water Culvert Structure Material* · Field type *String* · Split policy *Default value* · Merge policy *Default value*

Code	Description
POURED CONC	POURED CONC
BLOCK	BLOCK
PRE-CAST CONC	PRE-CAST CONC
BRICK	BRICK
CONC AND BRICK	CONC ADN BRICK
STONE	STONE
CORR. METAL	CORR. METAL
PLASTIC	PLASTIC
OTHER	OTHER
SKIM COAT	SKIM COAT

SW_Out_Rehab

Description *Storm Water Outlet Rehab* · Field type *String* · Split policy *Default value* · Merge policy *Default value*

Code	Description
NO REHAB	NO REHAB
REPAIR	REPAIR
REPLACE	REPLACE

SW_Out_type

Description *Storm Water Outlet Type* · Field type *String* · Split policy *Default value* · Merge policy *Default value*

Code	Description
PIPE	PIPE
OTHER	OTHER
HEADWALL	HEADWALL
MITERED END	MITERED END
FLARED END SECTION	FLARED END SECTION
CATCH BASIN	CATCH BASIN
BOX CULVERT	BOX CULVERT
RESTRICTOR PIPE	RESTRICTOR PIPE
RESTRICTOR HEADWALL	RESTRICTOR HEADWALL

Yes_No_Text

Description *Yes/No domain for text fields* · Field type *String* · Split policy *Default value* · Merge policy *Default value*

Code	Description
YES	YES
NO	NO

SW_Flag

Description *Flag field* · Field type *String* · Split policy *Default value* · Merge policy *Default value*

Code	Description
NO	NO
IMMEDIATE ACTION	IMMEDIATE ACTION
FURTHER INVEST	FURTHER INVEST

SW_INLET_OUTLET

Description *Denotes if the Point is an inlet or an outlet* · Field type *String* · Split policy *Default value* · Merge policy *Default value*

Code	Description
INLET	INLET
OUTLET	OUTLET

SW_Field_Condition

Description *Condition of the structure as noted in the field ODOT Scale* · Field type *String* · Split policy *Default value* · Merge policy *Default value*

Code	Description
9	Excellent
8	Very Good
7	Good
6	Satisfactory
5	Fair
4	Poor
3	Serious
2	Critical
1	Imminent Failure
0	Failed

SW_Flow_Rate

Description *Storm Water approximate rate of water flow* · Field type *String* · Split policy *Default value* · Merge policy *Default value*

Code	Description
Dry	Dry
Wet	Wet or pooled, no flow
Drip	Drip
Trckl	Trickle, motion
Low	Low, .<0.1 gps
Mod	Moderate, 0.1-.05 gps
Heavy	Heavy, >0.5 gps