Boundary

Simple feature cla Boundary	Geometry <i>Polyline</i> Contains M values <i>No</i> Contains Z values <i>No</i>						
Field name	Data type	Allow nulls	Default value	Domain	Pre- cision	Scale	Length
OBJECTID	OID						
Shape	Geometry	Yes					
RecordBoundaryID	String	Yes					30
RecordBounds	String	Yes					30
RecordBoundaryStatus	String	Yes	Constructed	RecordBoundaryStatus			30
OffsetLeft	Double	Yes			0	0	
OffsetRight	Double	Yes			0	0	
RecordBoundaryComment	String	Yes					100
RecordDirection	String	Yes					30
RecordDistance	String	Yes					30
DirectionType	String	Yes	Unknown	DirectionType			30
DirectionUnit	String	Yes	DMS	DirectionUnit			30
DirectionQuadrant	String	Yes					10
DistanceUnit	String	Yes	US Survey Feet	DistanceUnit			30
DistanceType	String	Yes	Unknown	DistanceType			30
Radius	String	Yes					8
Delta	String	Yes					10
Tangent	String	Yes					8
ArcLength	String	Yes					8
Side	String	Yes					1
RBSourceAgent	String	Yes					30
RBSourceIndex	String	Yes					30
RBSourceType	String	Yes					30
RBSourceDate	Date	Yes			0	0	8
RecordBoundaryType	Integer	Yes	1		0		
Shape_Length	Double	Yes			0	0	

Subtypes of Boundary

Default subtype

Subtype Subtype Code Descriptior

Right of Way Subdivision Bou Parcel

Lot Line

Parcel Split

Private Road

Subtype field RecordBoundaryType

Linear features representing edges of parcels and the parcel framework used to symbolize parcel boundaries and for boundary dimensions.

The primary key for the line entity. boundary location by reference to a legal location, a related document, or a known location. dentifies the record boundary's status from a legal perspective. Distance to the left of and perpendicular to a defined boundary line defining the record bo Distance to the right of and perpendicular to a defined boundary line defining the record boundary ntains additional information about the record boundary that may be in public record. irection is the angle between a line and an arbitrary chosen reference line. The quantity for the distance of a boundary. Distance is the linear measure along a line. The "basis of bearing" or "basis of azimuth" for the direction.

ndicates the units for a direction. Defines the units of measure and reference plane for distance measurements. Dennies the difficult and reference plane for distance measurements. Describes the reference surface for the distance. The radius is the distance from the center of the curve to any point on the circular curve. The central angle of a circular curve.

The arc length is the long chord length. The individual or orga ition who determined the record boundary values

he source from which the record boundary originated. Documents, files, or images with some common unifying char The date of the record boundary document or other record. lassification of the boundary line to

osupport	the definition of subtypes.
F	
H	

Parcel framework

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

Domain

DirectionType

DirectionUnit

DistanceType

Default value

Assumed

Unknown

US Survey Feet

Ground

	Simple feature class SimultaneousConveyance				Geometry Polygon Contains M values No Contains Z values No			
	Field name	Data type	Allow nulls	Default value	Domain	Pre- cision	Scale	Length
	OBJECTID	OID						
	Shape	Geometry	Yes					
>	ConveyanceID	String	Yes					64
1	ConveyanceDesignator	String	Yes					64
	ConveyanceType	String	Yes	Subdivision	Simultaneous- ConveyanceType			30
	Shape_Length	Double	Yes			0	0	
5	Shape_Area	Double	Yes			0	0	
y			11	ILTI	IVA		× 11	17

DirectionType

DirectionUnit

DistanceUnit

DistanceType

	VI H			- /		Y L	
Simple feature class Geometry Polygon SurveyFirstDivision Contains M values No Contains Z values No Contains Z values No							, Ĩ
Field name	Data type	Allow nulls	Default value	Domain	Pre- cision	Scale	Length
OBJECTID	OID						
Shape	Geometry	Yes					
ConveyanceID	String	Yes					64
ConveyanceDesignator	String	Yes		a 1.			64
ConveyanceType	String	Yes	Subdivision	Simultaneous- ConveyanceType			30
FirstDivisionID	String	Yes					100
FirstDivisionDesignator	String	Yes					100
FirstDivisionType	String	Yes	Block	FirstDivisionType			30
Shape_Length	Double	Yes			0	0	
Shape_Area	Double	Yes			0	0	

						Geometry Polygon ns M values No ins Z values No		
Field name	Data type	Allow nulls	Default value	Domain	Pre- cision	Scale	Len	
OBJECTID	OID							
Shape	Geometry	Yes						
ConveyanceID	String	Yes					64	
ConveyanceDesignator	String	Yes		a 1			64	
ConveyanceType	String	Yes	Subdivision	Simultaneous- ConveyanceType			30	
FirstDivisionID	String	Yes					10	
FirstDivisionDesignator	String	Yes					10	
FirstDivisionType	String	Yes	Block	FirstDivisionType			30	
SecondDivisionID	String	Yes					10	
SecondDivisionDesignator	String	Yes					10	
SecondDivisionType	String	Yes	Lot	SecondDivisonType			30	
Shape_Length	Double	Yes			0	0		
Shape_Area	Double	Yes			0	0		

simultaneous conveyance is a named or numbered area of land that can be identified by a type and a designator. These types of survey ystems were created at one time in one document and all of the nterior lines will have equal standing with one another. A subdivision is an example of a simultaneous conveyance. his is a primary key for the polygon feature.

ince name is an identifying name or number for a specific type of conveyance licates the category or major class of the description, such as subdivision or assessor plat

The first division is the primary division of the survey system. Examples are blocks and lots. These are nested within the simultaneous conveyance and do not cross its boundaries. First divisions may or may not tessellate or uniquely divide the entire simultaneous conveyance.

Name for the conveyance, often a numeric value. The type of conveyance

The primary key for the polygon feature.

An alpha, numeric, or alphanumeric designator used to identify the first division of the survey syste The classification of the first survey system division.

The second survey division is the subdivision of the first division hese are nested within the first division and do not cross the first vision boundaries. The second division may or may not tessellate or iquely divide the entire first division.

ee SurveyFirstDivision

primary key for the polygon feature

n alpha, numeric, or alphanumeric designator used to identify the first division of the survey system bes the classification of the first survey system division.

This diagram depicts a portion of the ArcGIS land parcel data model. You an find this and other complete data nodels by going to support@esri.com and clicking the links to 'ArcGIS Desktop' and 'Data Models'.

Cluster tolerance 0.01 m

	Boundary	2		
	TaxParcel	3		
	SimultaneousConveyance	4		
	SurveyFirstDivision	5	1	
	SurveySecondDivision	6	1	
Topology rules	-		• •	
Origin feature class	Topology rule	Compari	son feature class	
Corner	Must be covered by endpoint of	Boundary		
Boundary	Endpoint must be covered by	Corner		
Boundary	Must not have dangles			
TaxParcel	Boundary must be covered by	Boundary		
SimultaneousConveyance	Boundary must be covered by	Boundary		
SurveyFirstDivision	Boundary must be covered by	Boundary		
TaxParcel	Must not overlap			
SimultaneousConveyance	Must not overlap			
SurveyFirstDivision	Must be covered by	Simultar	neousConveyance	
SurveyFirstDivision	Must not overlap			
SurveySecondDivision	Must be covered by	Surv	eyFirstDivision	
SurveySecondDivision	Must not overlap			

lopology

Topology
ParcelFeatures_Topology

Participating feature

classes and ranks

Coded value domain SimultaneousConvevanceType Description Field type String Split policy Default Value Merge policy Default Value Assessor Plat Assessor Plat Cemetery Cemetery Condominiun Condominiu Farm Lot Farm Lot French Long Lot French Long Lot Indian Allotment Indian Allotment Plat of Survey Plat of Survey Protraction Block Protraction Bloc Small Holding Claim Small Holding Clain Small Tracts Act Small Tracts Act Subdivision Subdivision Survey Survey Townsite Townsite nited States Survey United States Surve

Domains are used to validate attributes. This is one of many domains in this data model.

Other

Other

The ArcGIS Land Parcel Data Mode was developed by Nancy Von Meye of Fairview Industries in cooperatio vith many agencie

THE ARCGIS LAND PARCEL DATA MODEL

