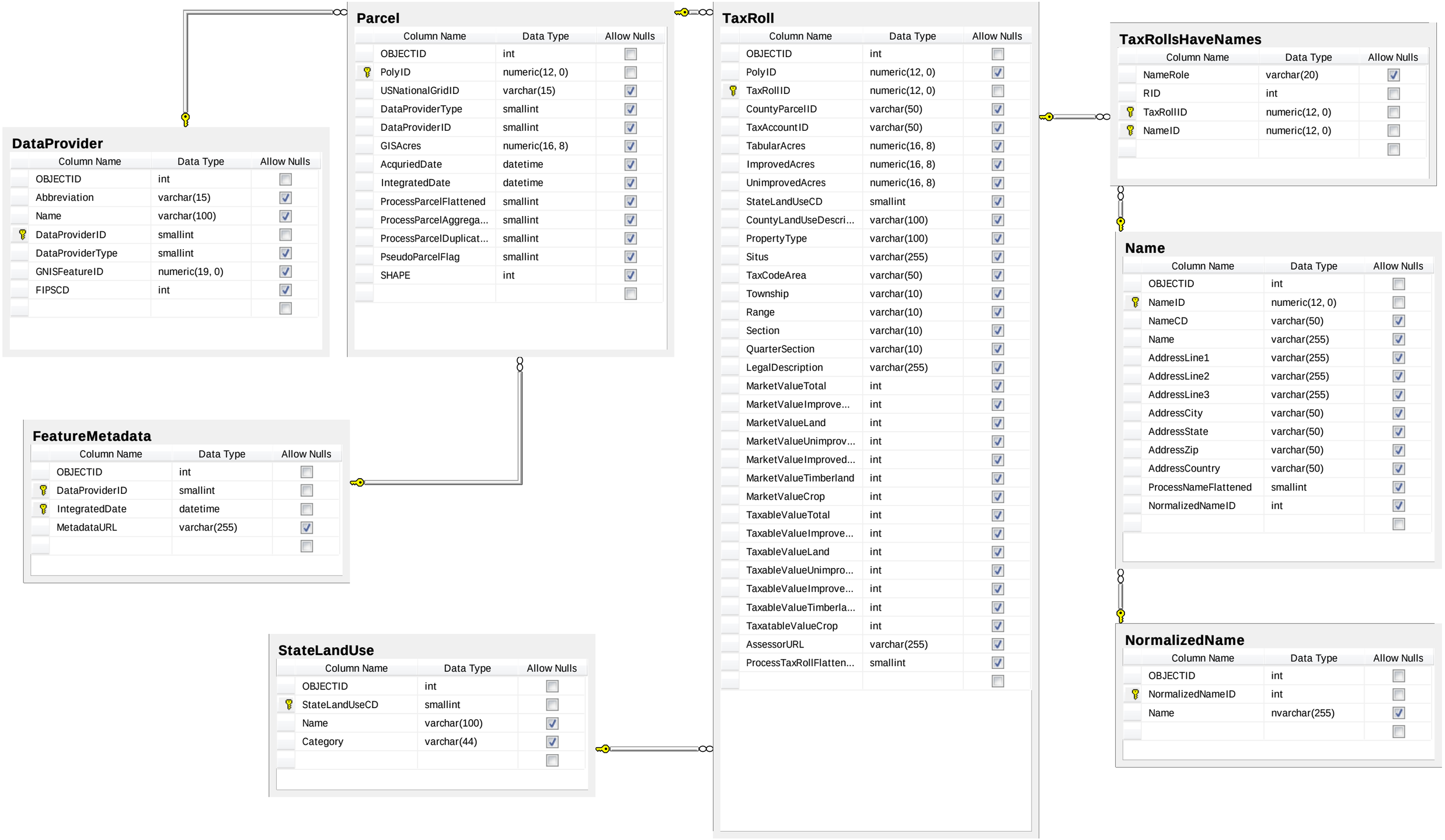
Hello Parcels Working Group-

At the meeting of the Technical Subgroup on July 15th we reviewed suggestions we have received about the 2007 Statewide Parcel Database, and discussed many options for the upcoming 2009 version. The focus of the meeting was to develop a proposed new common format for the 2009 data that build upon lessons learned to date. The changes we are proposing revolve around consistency, performance, and usability. Attached are 3 documents, an entity relationship diagram, T-SQL code to create the proposed database tables on SQL Server and an XML Workspace Document representation of the 9.3.1 ESRI Geodatabase. What is missing from these documents are the defined attribute domains on specific fields in the database (currently Parcel.DataProviderID and TaxRoll.StateLandUseCD).

Some key points:

1) It was decided that natively supporting short field names for compatibility with Shapefiles and DBF was no longer needed and created confusing and terse attribute names. Therefore, nearly all field names have been expanded be more descriptive of their content. A translation script to export data to Shapefiles/DBF with 11 character terse names will be developed.
2) ALL_CAPS field and table names have been replaced with the arguably more easily readable CamelCaseFormat.
3) Tables have been renamed to eliminate plurals and be more descriptive
4) ESRI Relationship Classes have been renamed to indicate cardinality with plural format on the "many" side of relates
5) Attribute domains will contain not only the descriptive text of the feature but the number as well (i.e. land use 88 which was "Designated Forestland" will become "88: Designated Forestland")
6) A flag for "pseudo parcels" will be added
7) A US National Grid ID (or MGRS) feature identifier at the 1 meter level will be added to assist in change detection
8) The organizations table will now be called DataProviders and parcel data will be able to be filtered by both DataProviderID and level of government with attribute DataProviderType (city, county, state…)
9) Feature level metadata attributes will be prefixed with a "Process" designator and a new related metadata table will point users to online metadata about the original data and the transformation process for the currently selected/identified feature. The exact functionality and format of the FeatureMetadata table has not been developed yet.
10) In some cases attribute types were chosen for compatibility with ESRI products and not for optimal database configuration/performance.
11) A repository of SQL scripts and ArcSDE administrator commands will be developed to help DBAs and users properly implement de-normalized spatial and non-spatial views of the data.
12) The POLY_ID (now PolyID) attribute will be numeric rather than text for increased query and join performance and have a consistent length (12 digits) including DataProviderID.


DataProvider
Column Name
Data Type
Allow Nulls
OBJECTID
int
Abbreviation
varchar(15)
Name
varchar(100)
DataProviderID
smallint
DataProviderType
smallint
GNISFeatureID
numeric(19, 0)
FIPSCD
int
Parcel
Column Name
Data Type
Allow Nulls
OBJECTID
int
PolyID
numeric(12, 0)
USNationalGridID
varchar(15)
DataProviderType
smallint
DataProviderID
smallint
GISAcres
numeric(16, 8)
AcquriedDate
datetime
IntegratedDate
datetime
ProcessParcelFlattened
smallint
ProcessParcelAggrega...
smallint
ProcessParcelDuplicat...
smallint
PseudoParcelFlag
smallint
SHAPE
int
TaxRoll
Column Name
Data Type
Allow Nulls
OBJECTID
int
PolyID
numeric(12, 0)
TaxRollID
numeric(12, 0)
CountyParcelID
varchar(50)
TaxAccountID
varchar(50)
TabularAcres
numeric(16, 8)
ImprovedAcres
numeric(16, 8)
UnimprovedAcres
numeric(16, 8)
StateLandUseCD
smallint
CountyLandUseDescri...
varchar(100)
PropertyType
varchar(100)
Situs
varchar(255)
TaxCodeArea
varchar(50)
Township
varchar(10)
Range
varchar(10)
Section
varchar(10)
QuarterSection
varchar(10)
LegalDescription
varchar(255)
MarketValueTotal
int
MarketValueImprove...
int
MarketValueLand
int
MarketValueUnimprov...
int
MarketValueImproved...
int
MarketValueTimberland
int
MarketValueCrop
int
TaxableValueTotal
int
TaxableValueImprove...
int
TaxableValueLand
int
TaxableValueUnimpro...
int
TaxableValueImprove...
int
TaxableValueTimberla...
int
TaxatableValueCrop
int
AssessorURL
varchar(255)
ProcessTaxRollFlatten...
smallint
TaxRollsHaveNames
Column Name
Data Type
Allow Nulls
NameRole
varchar(20)
RID
int
TaxRollID
numeric(12, 0)
NameID
numeric(12, 0)
Name
Column Name
Data Type
Allow Nulls
OBJECTID
int
NameID
numeric(12, 0)
NameCD
varchar(50)
Name
varchar(255)
AddressLine1
varchar(255)
AddressLine2
varchar(255)
AddressLine3
varchar(255)
AddressCity
varchar(50)
AddressState
varchar(50)
AddressZip
varchar(50)
AddressCountry
varchar(50)
ProcessNameFlattened
smallint
NormalizedNameID
int
NormalizedName
Column Name
Data Type
Allow Nulls
OBJECTID
int
NormalizedNameID
int
Name
nvarchar(255)
FeatureMetadata
Column Name
Data Type
Allow Nulls
OBJECTID
int
DataProviderID
smallint
IntegratedDate
datetime
MetadataURL
varchar(255)
StateLandUse
Column Name
Data Type
Allow Nulls
OBJECTID
int
StateLandUseCD
smallint
Name
varchar(100)
Category
varchar(44)