

The CAMA Oriented Cadastre

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South East Regional User Group
April 28, 2009



Something Different

Our Data Model



You have a lot of money invested in GIS



Hardware



Software



Data



People



Maintenance



What are you getting in return?



The Cadastre

- The official statement of the quantity and value of real property in any district made for the purpose of justly apportioning the taxes payable on such property.



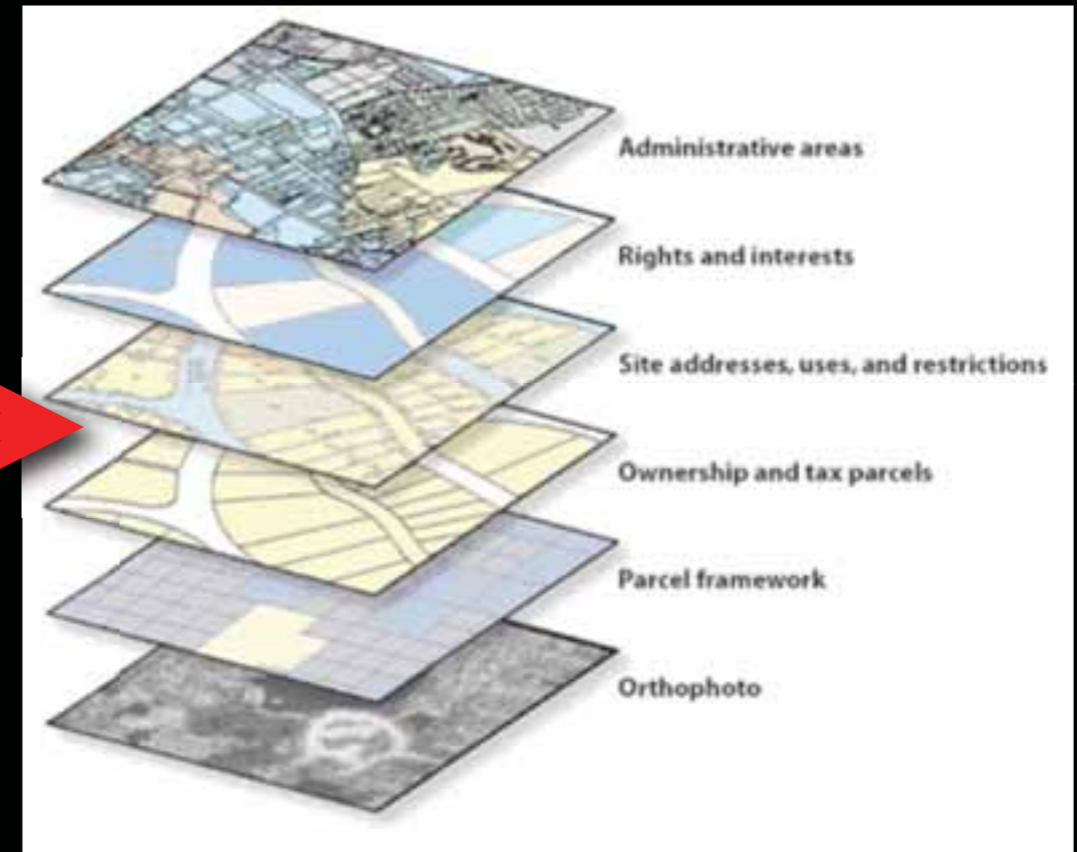
What data are we
collecting?

We collect what we
think is important

*Not an Appraiser's Map



The Mapping Model



Mapping Standards*

- North Arrow
- Scale
- Map Date
- Title Block
- Disclaimer
- Block Numbers
- Street, Road, R/W Names
- Subdivision Names
- Condo Names
- Parcel Numbers
- Public Land Survey System Lines
- Parcel Lines
- Lot Lines
- Block Lines
- Easement Lines
- Right of Way Lines
- Hydrographic Lines
- Acreage Annotation
- Dimensions
- Lot Numbers

The CAMA model

PROPERTY INFORMATION		VALUATION		TAXES		LAND USE	
MOD	DESC	AE	Y	1479	128.000	INDEX	100.000
00100	SINGLE FAM	1.50		1852	57.600	E-RATE	100.000
20	BRICK	FIXT		106675	RCM	1987	AYB
03	GABLE/HIP	RMS		81.00	%GOOD	86,406	B BLDG VAL
03	SHINGLE	UNTS					
04	PLY-PANEL	HGHT					
05	DRYWALL	PMTR					
08	SHT VINYL	STYS	1.0				
14	CARPET	ECON					
04	AIR DUCTED	FURNC					
03	CENTRAL	SPCD					
03	AVERAGE	DEPR	60				
N/A		FRPL					
		BATH					
		UD-1					
		UD-4					
N/A		UD-5					
		UD-6					
		UD-7					
		UD-8					
		UD-9					
SUB A-AREA % E-AREA SUB VALUE							
FCP97	506 25	127	5924				
FOP97	76 30	23	1073				
BAS87	1479 100	1479	69004				
DKR87	300 10	30	1400				
FSP87	210 55	116	5412				
DKR97	36 10	4	187				
FST97	132 55	73	3406				
TOTAL	2739	1852	86406				
EXTRA FEATURES							
AE	BN	CODE	DESC	LEN	WID	HGHT	QTY
Y	0342	S/W/PP	RURAL				1
N	0551	GRAIN BIN1					1
N	0500	BARN POLE		20	40		1
Y	0400	STORAGE WD		10	16		1
Y	0400	STORAGE WD		6	6		1
FIELD CK: 2/08/2004 SAS							
AE	BN	CODE	DESC	LEN	WID	HGHT	QTY
Y	005000	RURAL HOME					1.000
Y	005000	RURAL HOME					1.000
N	005910	TIME SWAMP					4.000
N	009500	SUBMERGED					.500
N	005200	CROPLAND					14.500
FIELD CK: 2/07/2005 SAS							
ADJUSTMENTS							
1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
L002 - 82-DBL M/W *KELLY CULPEPPER*							
X001 - FOR SINGLE WIDE MOBILE HOME IN PASTURE							



CAMA Information

- Tax Parcel Information
- Sales Information
- Improvements
- Land Uses
- Restrictions
- Physical Characteristics



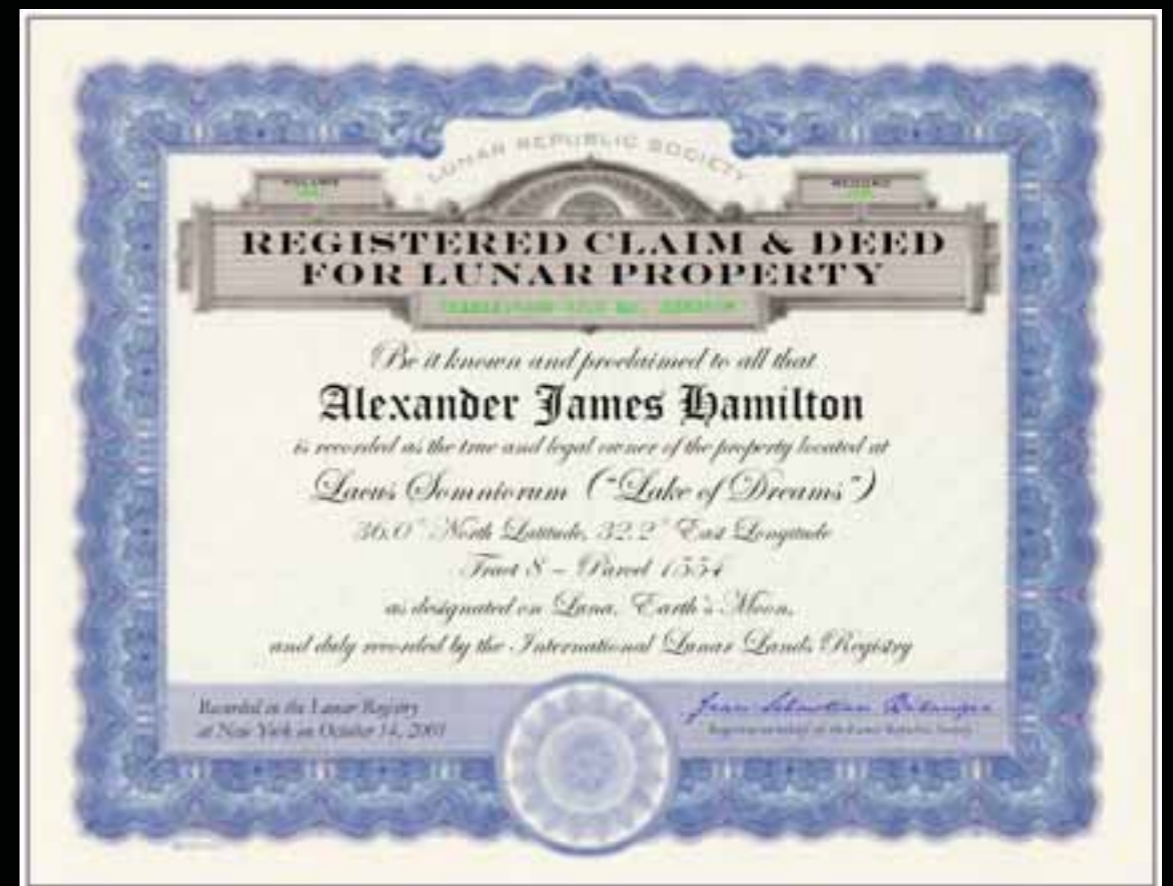
Tax Parcel Information

- Size, shape, location
- Frontage
- Access Proximity
- Neighborhood
- School District
- Mapping - Comparable Sales, Standard Maps
- Transactional Component - History



Less than Fee Ownership

- Partial Interest (25%, 33% etc.)
- Common Interests - Condominium
- Life Estate
- Leasehold Interest
- Reversionary Interests
- Mineral Rights
- Interval Ownership



Sales Information

- Previous Sales - Size, shape, location
- Temporal Nature - Genealogy of Parcel



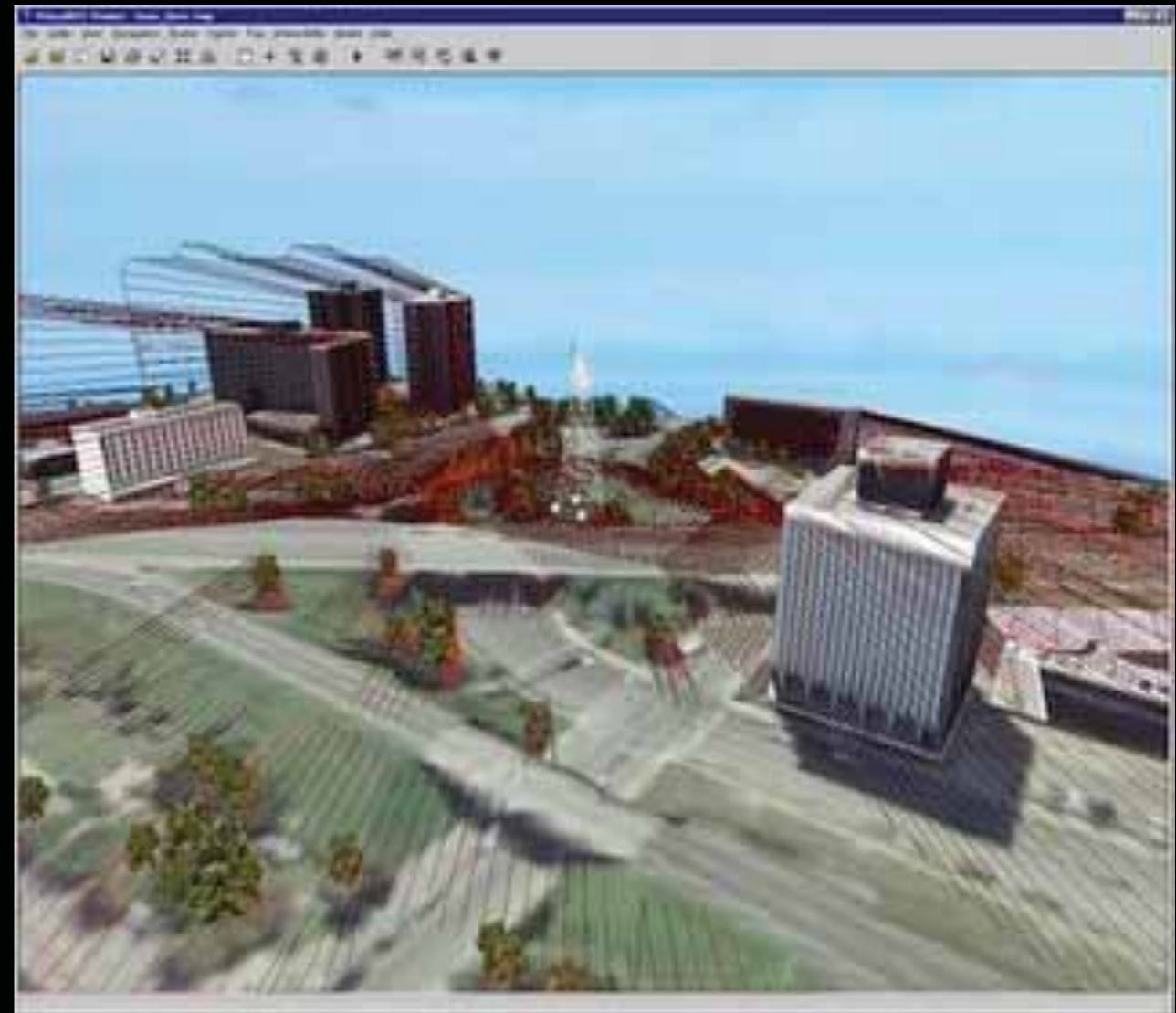
Improvements

- Main Buildings
- Out Buildings
- Mobile Homes
- Pool, Tennis Courts
- Parking Areas
- Planimetrics
- Size, shape, location



3-D Buildings

- Viewshed Analysis
- Air Space
- Shadow Studies
- Flood Plain Studies
- Condominiums



To Start, Maybe Not This...

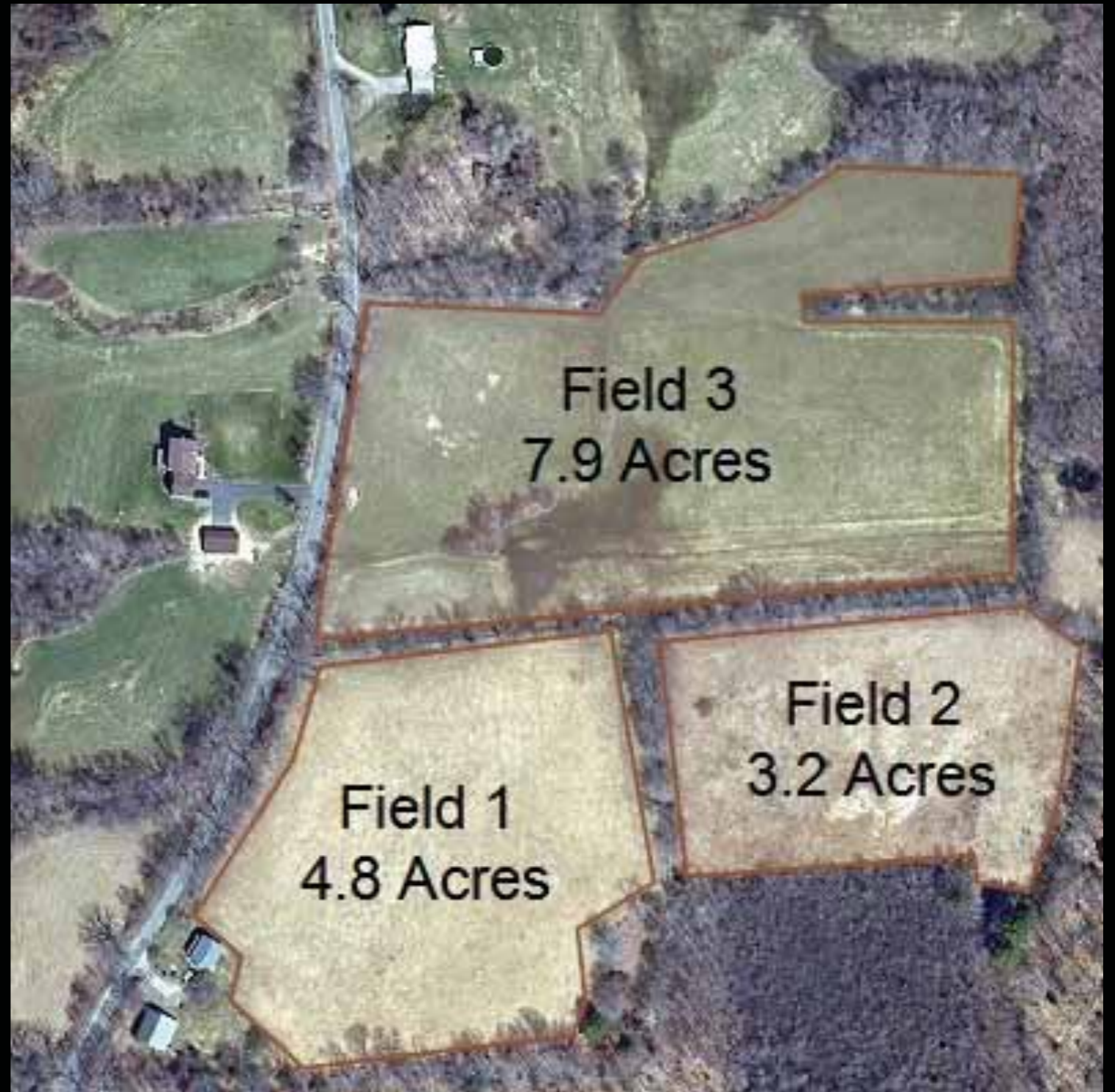


But Maybe This...



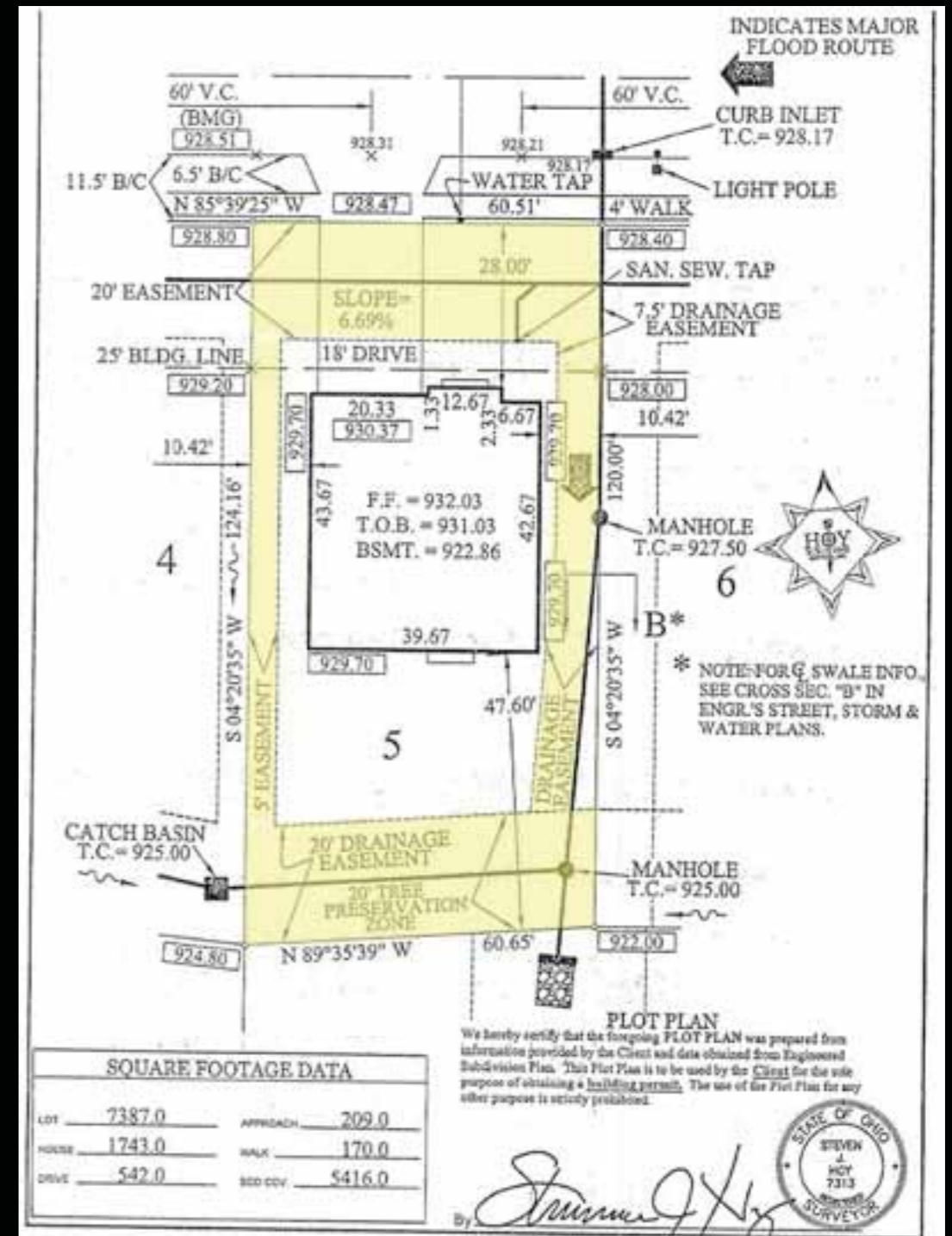
Land Uses

- Residential
- Commercial
- Industrial
- Agricultural
- Cropland



Restrictions / Permits

- Zoning Restrictions
- Setbacks
- Use Restrictions
- Height Restrictions
- Permits



Easements

- Prescriptive
- Right of Way
- Flowage
- Utility
- Affirmative Easement (-)
- Appurtenant Easement (+)



Physical Characteristics

- Topography
- Wetlands
- Soils



Property Card

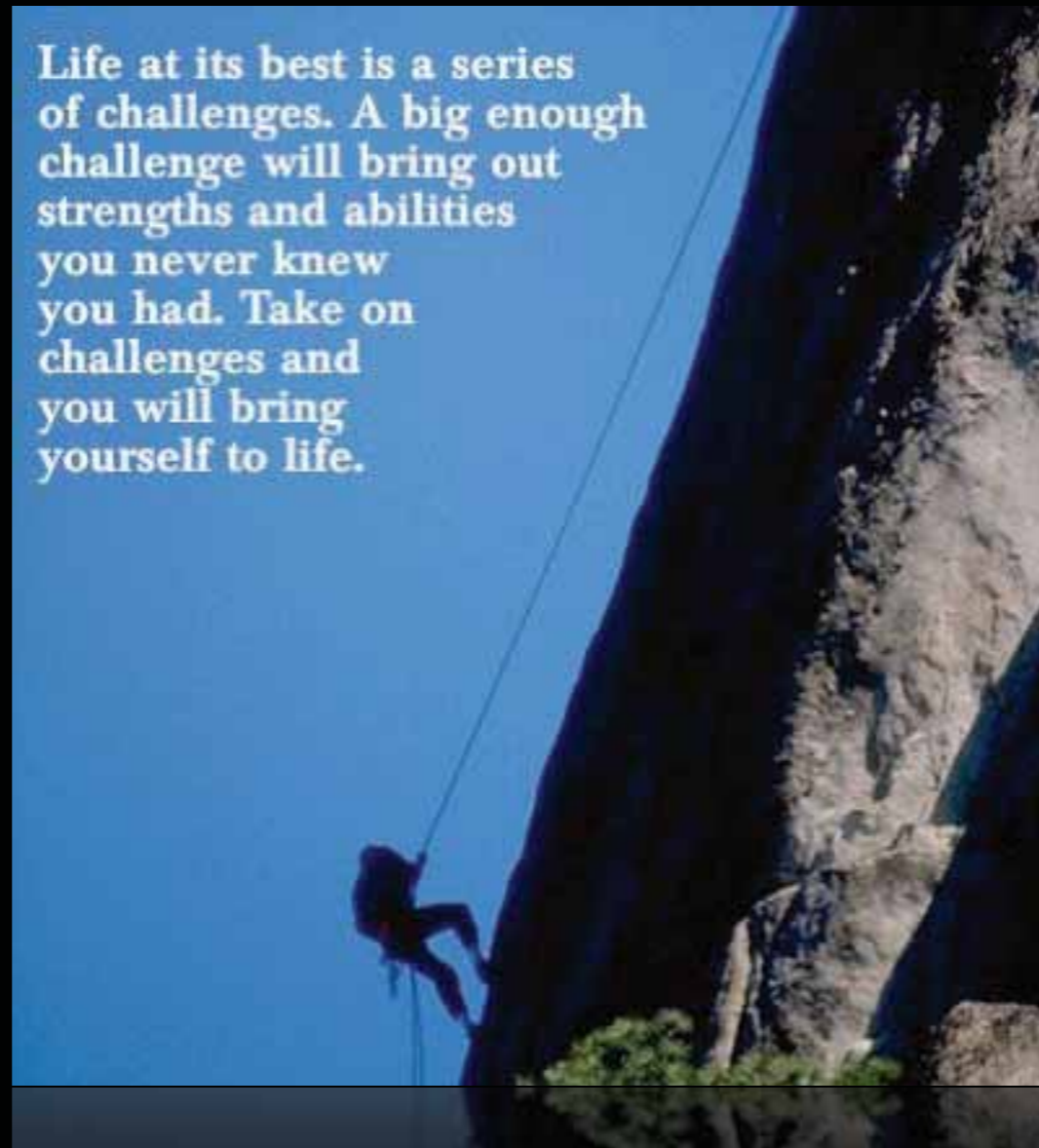
BUSE 000100 SINGLE FAM	AE? Y	1479 NTD AREA	128.000 INDEX	PUSE 006200 PASTURELAND 3
MOD 1 SFR	BATH 1.50	1852 EFF AREA	57.600 E-RATE	100.000 INDI
EXW 20 BRICK	FIXT	106675 RCN	1987 AYB	STR 3- 5- 18
	BDRM 3	81.00 %GOOD	86,406 B BLDG VAL	1987 EYB
RSTR 03 GABLE/HIP	RMS	FIELD CK:		
RCVR 03 SHINGLE	UNTS	LOC: 139289 NW 75TH LANE LAKE BUTLER		
	C-WA	-----25-----		
INTW 04 PLY-PANEL	HGHT	1DKR1987	1	
50% 05 DRYWALL	PMTR	2	2	-----19-----
FLOR 08 SHT VINYL	STYS 1.0	-----23-----25-----19-----		
80% 14 CARPET	ECON	IBAS1987	IFCP1997	1
HTTP 04 AIR DUCTED	FURNC	I	IPOP1997	1
A/C 03 CENTRAL	SPCD	I	I	2
QUAL 03 AVERAGE	DEPR 60	I	I	2
FNDH N/A	FRPL	I	I	2
SIZE	BATH	I	I	2
CEIL	UD-1	I	I	2
ARCH	UD-4	I	I	2
FRME N/A	UD-5	I	I	2
KTCH	UD-6	I	I	2
WDO	UD-7	I	I	2
CLAS	UD-8	I	I	2
OCC	UD-9	I	I	2
COND		I	I	2
SUB A-AREA % E-AREA SUB VALUE				
FCP97	506	25	127	5924
FOP97	76	30	23	1073
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-----EXTRA FEATURES-----				
AE BN CODE	DESC	LEN	WID	HGHT
Y 0342	S/W/PP RURAL			
N 0551	GRAIN BIN1			
N 0500	BARN POLE	20	40	
Y 0400	STORAGE WD	10	16	
Y 0400	STORAGE WD	6	6	
FIELD CK: 2/08/2004 SAS				
YR	ADJ	UNITS	UT	PRICE
2003	1.00	1.000	UT	3350.000
1960	1.00	5000.000	UT	1.100
1960	1.00	800.000	UT	2.250
1975	1.00	160.000	UT	7.250
1987	1.00	36.000	UT	7.250
FIELD CK: 2/07/2005 SAS				
LAND	DESC	ZONE	ROAD	WSP
AE CODE	TOPO	UTIL	UD3	FRONT
Y 005000	RURAL HOME		0341	1.00
Y 005000	RURAL HOME		0342	1.00
N 005910	TIME SWAMP			1.00
N 009500	SUBMERGED			1.00
N 005200	CROPLAND			1.00
L002 - 82-DBL M/W *KELLY CULPEPPER*				
X001 - FOR SINGLE WIDE MOBILE HOME IN PASTURE				



The Challenge

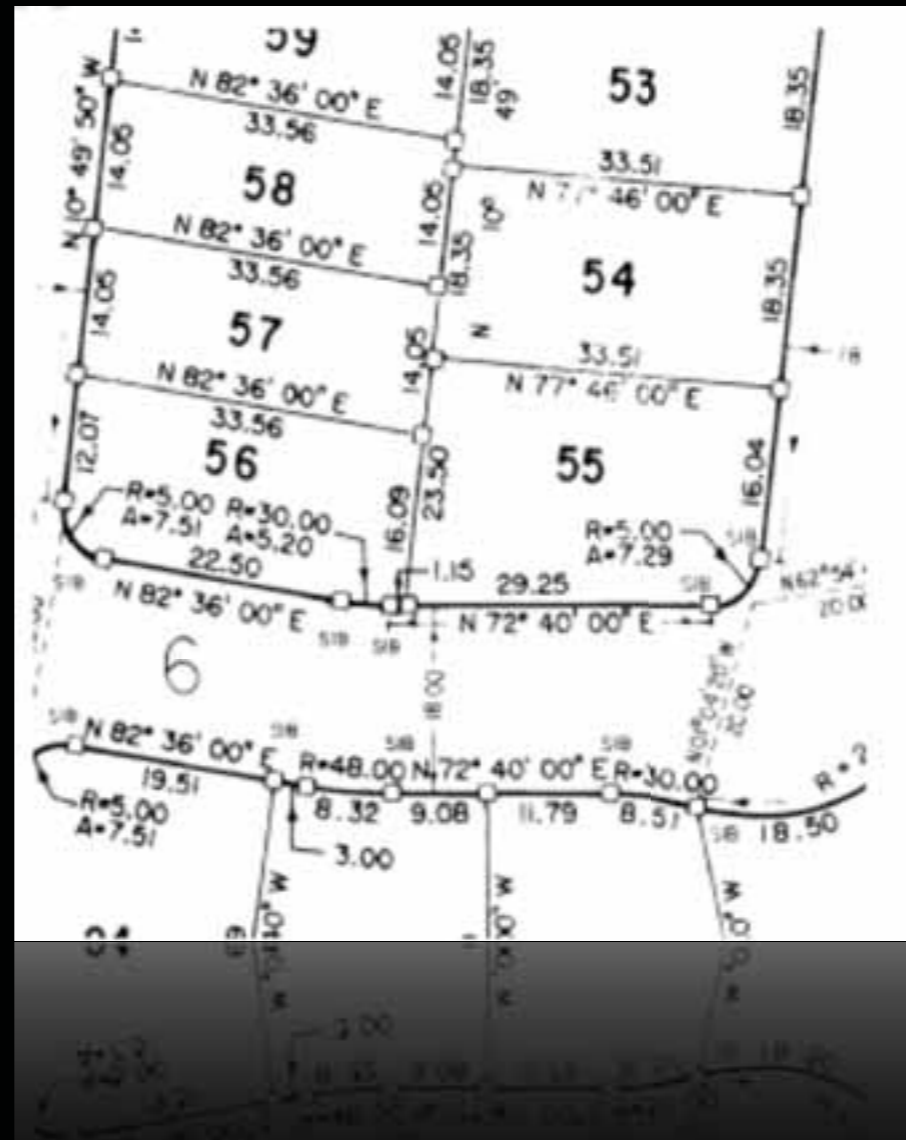
Utilize GIS to its fullest to spatially enable the
CAMA system.

Life at its best is a series
of challenges. A big enough
challenge will bring out
strengths and abilities
you never knew
you had. Take on
challenges and
you will bring
yourself to life.



One More Thing..

- For Parcel Mappers, we need to start mapping parcel corners.



Thank You

Frank J. Conkling

Panda Consulting

www.pandaconsulting.com

561-691-3277