


Address Points and a Master Address File: Improving Efficiency in the City of Chino

by:
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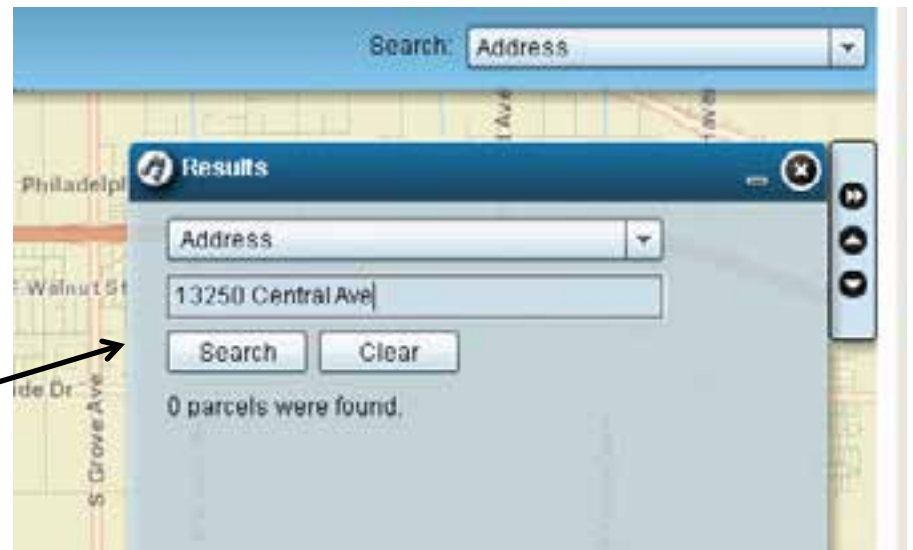
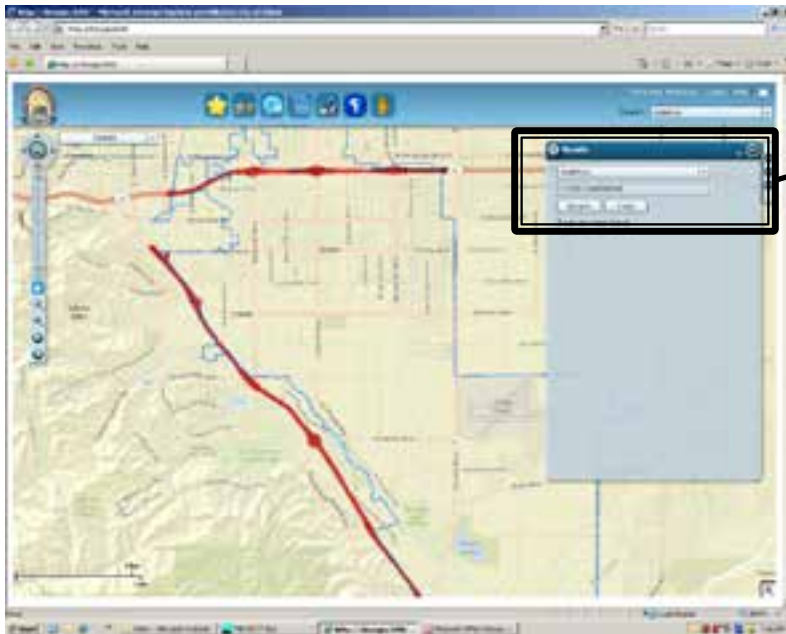
Thesis

- } An accurate and complete set of Address Points is a superior solution to street centerline or parcel geocoding. Address Points can be created from a city government's multiple, internal spreadsheets and databases, utilizing Microsoft Excel and GIS in combination with street centerline and parcel geocoding, resulting in a Master Address File and Address Points that can be used citywide.
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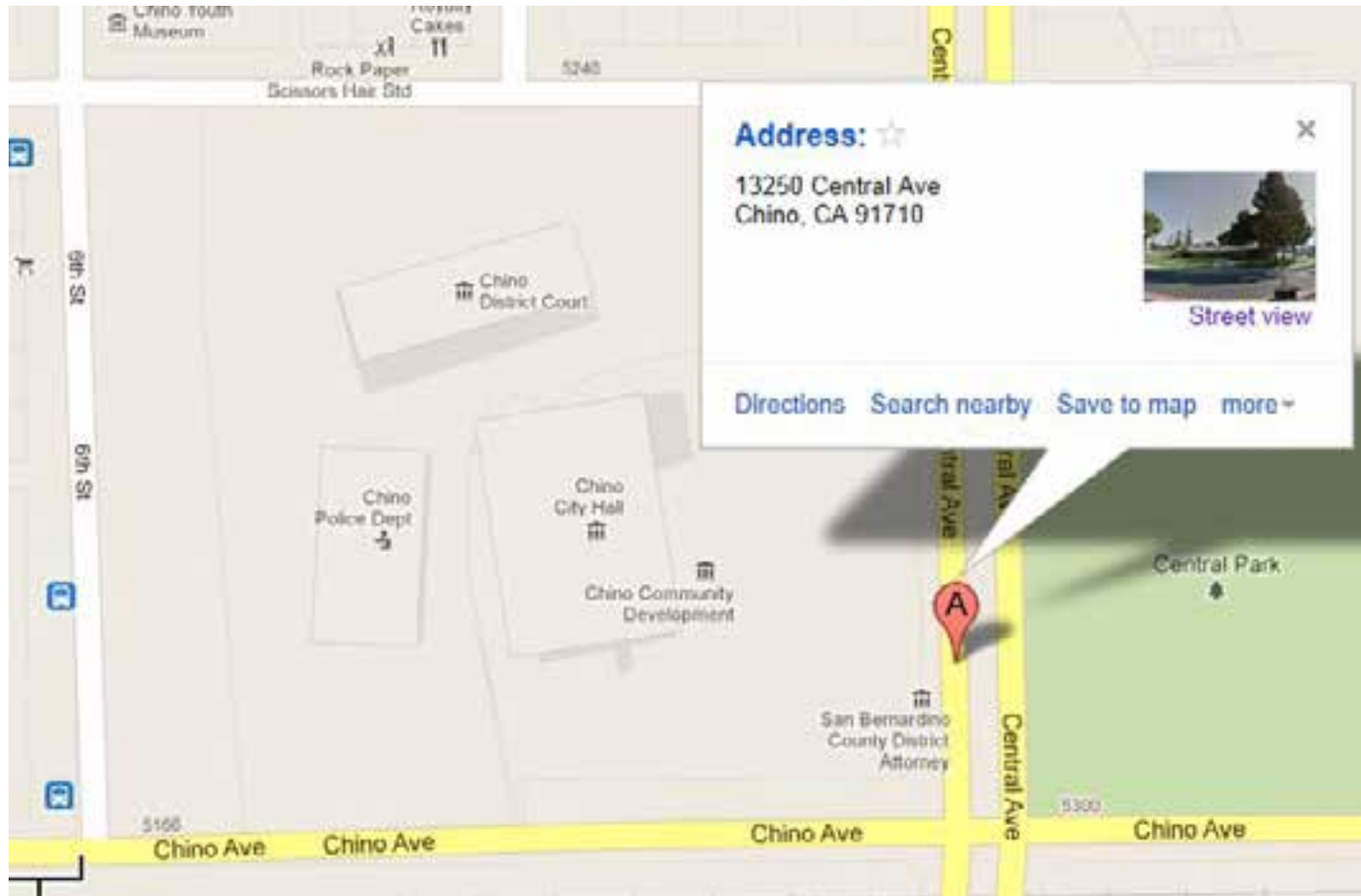
Why?



Address Search Results



Can I just use Google Maps?



What am I supposed to do?



Address Points

- } An accurate and complete set of Address Points is a superior solution to street centerline or parcel geocoding.

Parcel Geocoding



Parcel Geocoding (cont.)



Street Centerline Geocoding



Viramontes Express



Address Points



Address Points (cont.)



Creating Address Points

- } Address Points can be created from a city government's multiple, internal spreadsheets and databases, utilizing Microsoft Excel and GIS in combination with street centerline and parcel geocoding.

Multiple Address Lists

- } Parcel Layer
 - } Project Database
 - } Finance Database
- 

Street Type Terms

| TERM | PARCEL LAYER | PROJECT DATABASE | | FINANCE DATABASE | |
|-----------|--------------|------------------|--------|------------------|--------|
| AVENUE | AVE | AVE | AVENUE | AVE | AVENUE |
| BOULEVARD | BLVD | BLVD | | BLVD | |
| CIRCLE | CIR | CIR | | CIR | |
| COURT | CT | CT | COURT | CT | |
| DRIVE | DR | DR | | DR | |
| LANE | LN | LN | LANE | LN | |
| LOOP | LP | | LOOP | | |
| PARKWAY | PKWY | PKWY | | PKWY | |
| PLACE | PL | PL | | PL | |
| ROAD | RD | RD | | RD | |
| STREET | ST | ST | STREET | ST | |
| TERRACE | TER | | | | |
| TRAIL | TR | | TRAIL | | |
| WAY | WY | | WAY | WY | WAY |

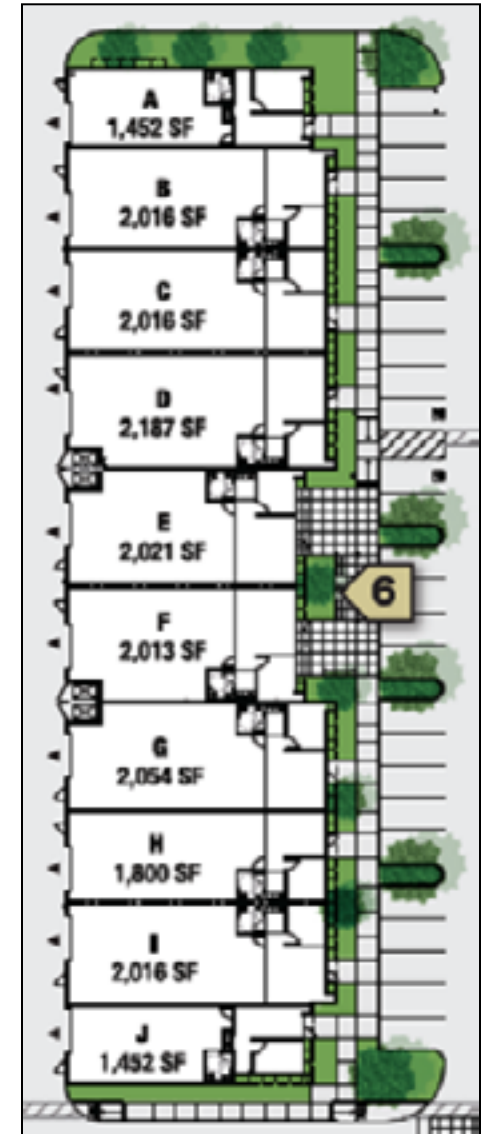
Address Components

| Component | Description |
|------------|---|
| NUMBER | Address number |
| PREDIR | Prefix direction for the address |
| STREETNAME | Street name for the address |
| STREETTYPE | Street type for the address |
| BUILDING | Building designator |
| SUITE_UNIT | Suite or unit designator |
| CITY | City in which the address is located |
| STATE | State in which the address is located |
| ZIP | Zip Code in which the address is located |
| NAMETYPE | Street Name and Street Type combined |
| PROPADDR | Number, Predir, Street Name, Street Type, Building, and Suite/Unit combined |
| FULLADDR | All individual address components combined (Number, Predir, Street Name, Street Type, Building, Suite/Unit, City, State, and Zip) |

Directory Map



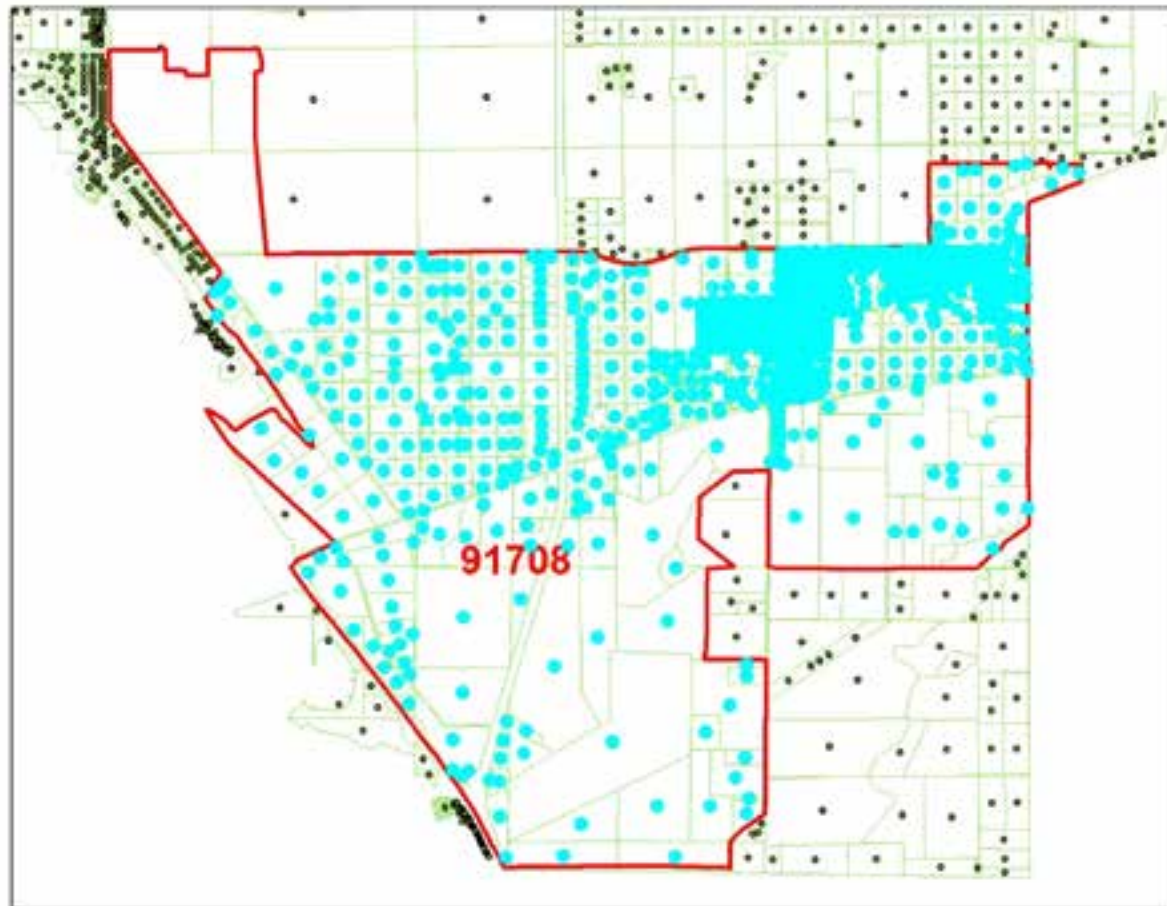
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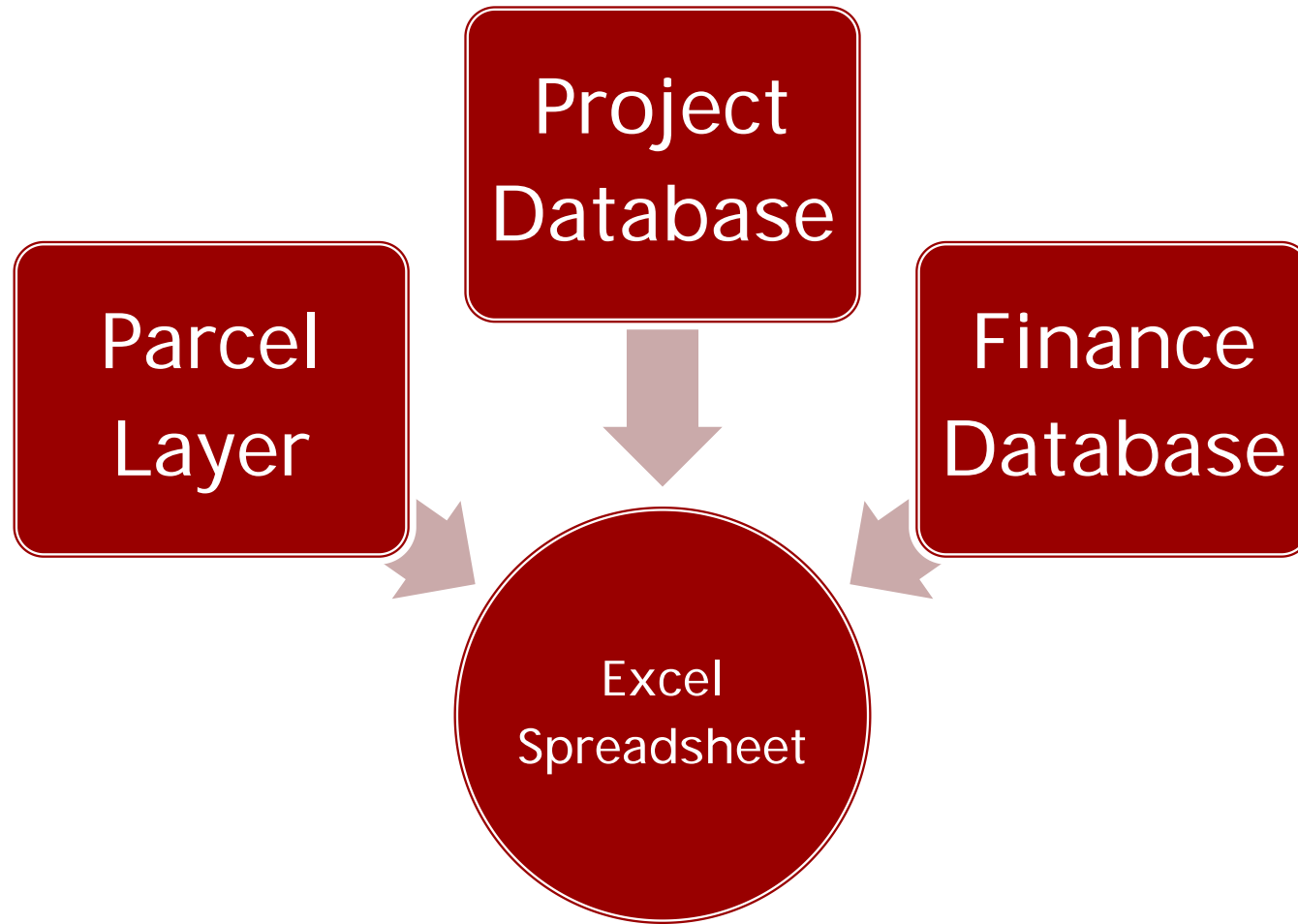
Step 1 – Feature to Point



Step 2 – Cleanup



Step 3 – Combining Address Lists



Step 4 – Geocoding



Master Address File

- } Resulting in a Master Address File and Address Points that can be used citywide.

Thank You!



Address Points



Conclusion

- } This thesis demonstrates that an accurate and complete set of Address Points is a superior solution to street centerline or parcel geocoding. Address Points can be created from a city government's multiple, internal spreadsheets and databases, utilizing Microsoft Excel and GIS in combination with street centerline and parcel geocoding, resulting in a Master Address File and Address Points that can be used citywide.
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