



LARIAC4 – Project Update

Carl L Schoenthal, PE – Project Director

December 8th, 2016

Agenda

- LiDAR Status
 - Deliveries Completed
 - Remaining Deliveries
 - Land Cover Pilot
- Use of the LiDAR Data – Ben Houston
- LARIAC5 Kick-off
 - Scope of Work Statement
 - Pre-flight Work
 - Flights
 - Processing & Deliveries
- Deployment



LARIAC4 – LiDAR Deliveries

Completed:

Catalina Conservancy

City of Cerritos

City of Lakewood

City of Norwalk

City of Signal Hill

City of El Segundo

City of Gardena

City of Hermosa Beach

City of Manhattan Beach

City of Rancho Palos Verdes

City of Redondo Beach

LA Air Force Base

City of Torrance

City of Carson

City of Long Beach

City of West Hollywood

City of Temple City

City of Covina

City of Downey

City of Industry

City of Whittier

El Monte

Water Replenishment District

City of Inglewood



LARIAC4 – Remaining Deliveries

February 2017:

Newhall Land and Farming

March 2017:

City of La Canada Flintridge

City of Burbank

City of Glendale

City of Malibu

City of Westlake Village

City of Culver City

City of Santa Monica

City of Beverly Hills

City of Santa Clarita

City of Arcadia

City of Pasadena

City of Duarte

City of Azusa

City of Claremont

City of San Dimas

California State University Long Beach

City of Los Angeles

LA County Metropolitan Transit Authority

LA County Sanitation District (NTA)

Loyola Marymount University

April 2017

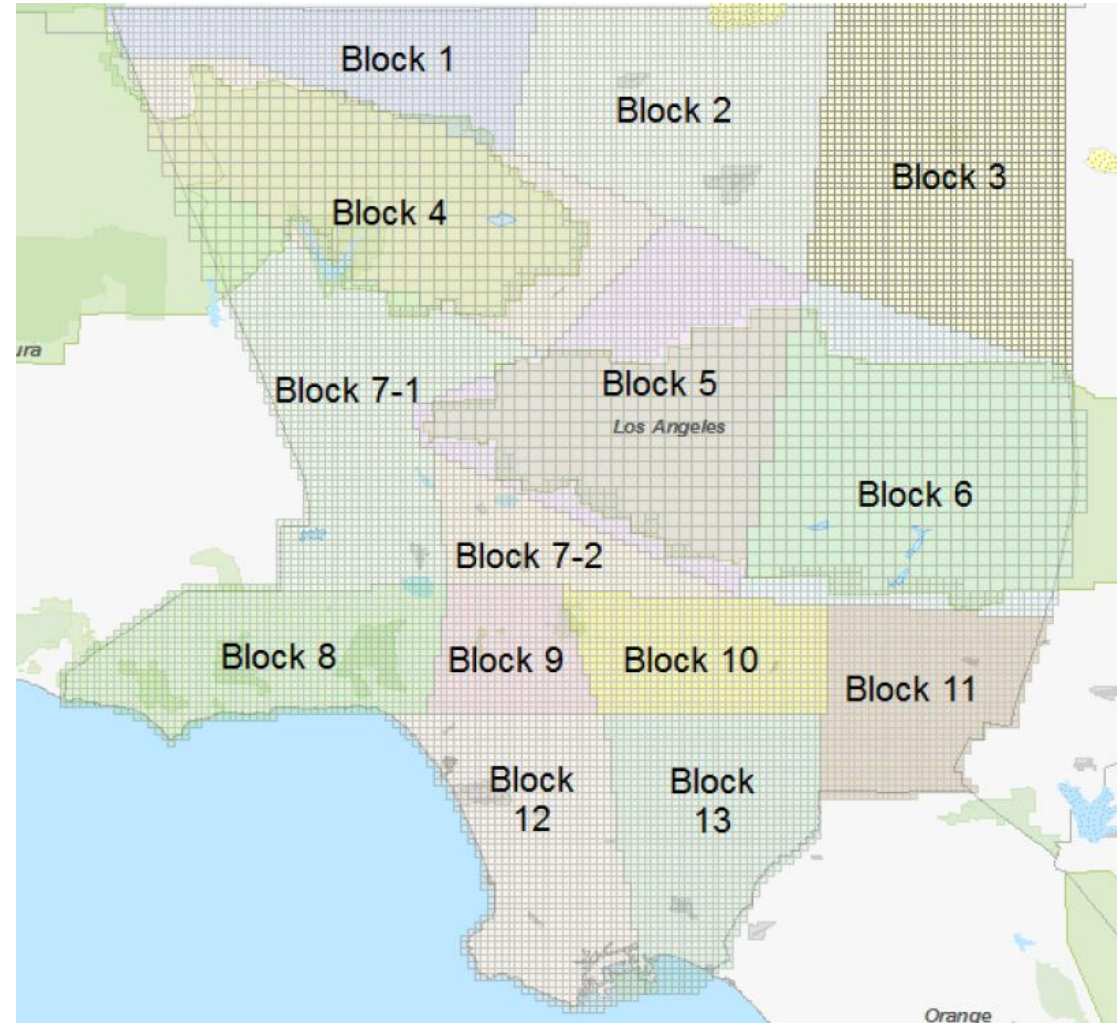
California Polytechnic - Pomona

Claremont University Coalition



LARIAC4 – Land Cover Project

- Pilot Project - 90% complete
 - 5 areas of varying terrain and characteristics
- Completion by Blocks
 - Automated Processing
 - Manual Review
 - Stakeholder Review
 - Manual Edits / Revisions
 - Revisions Completed
- Final Accuracy Assessment
- Land Cover Blocks - Feb – April 2017
- Final Accuracy Assessment - May 2017





LiDAR Use

Benjamin H Houston, PE

December 8th, 2016



LARIAC5 – Project Kickoff

Carl L Schoenthal, PE – Project Director

December 8th, 2016

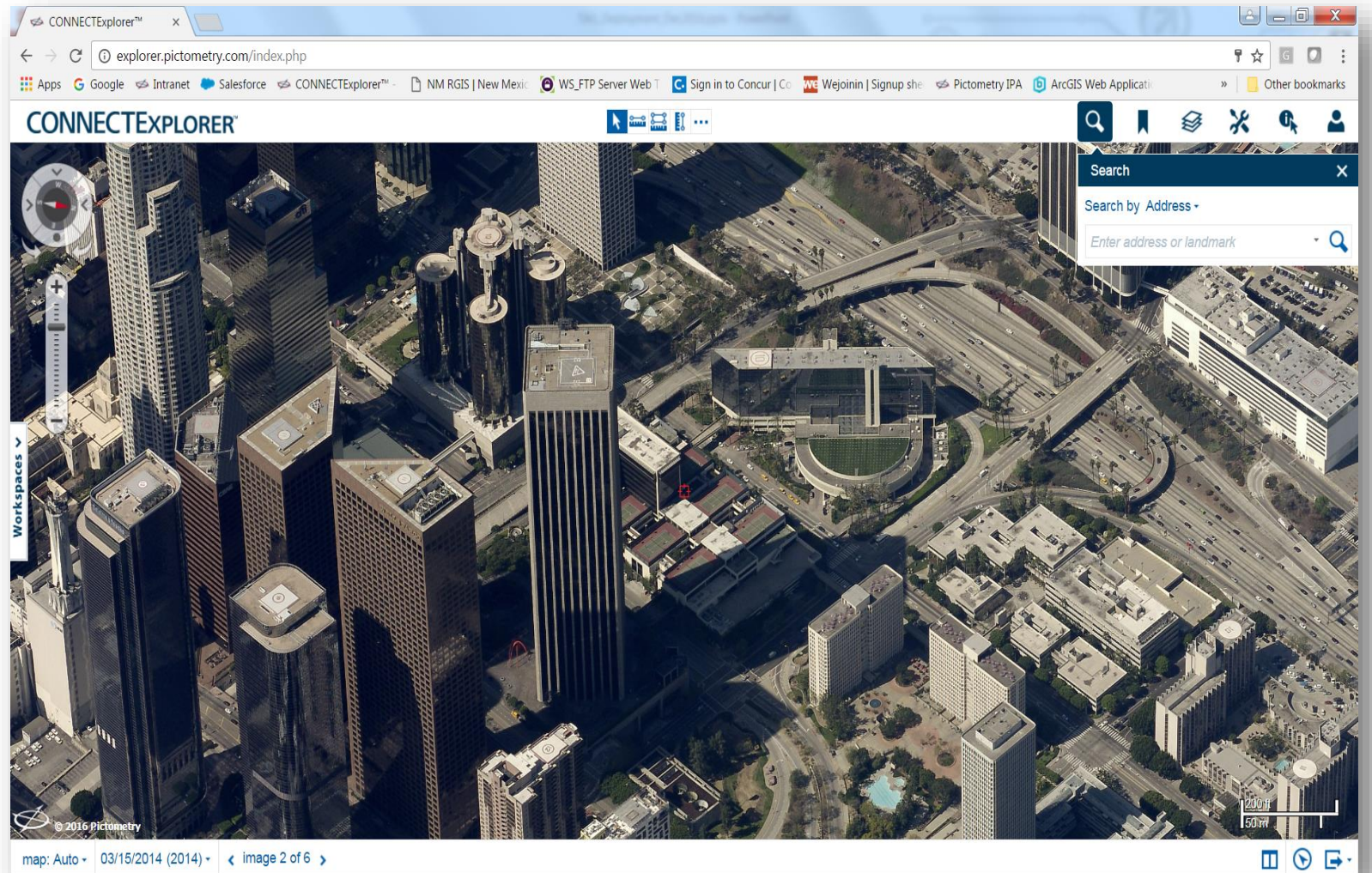
LARIAC5 Kickoff

- **Scope of Work**

- 4" Ortho/Oblique Imagery
- 9" Ortho/Oblique Imagery for Forest Areas

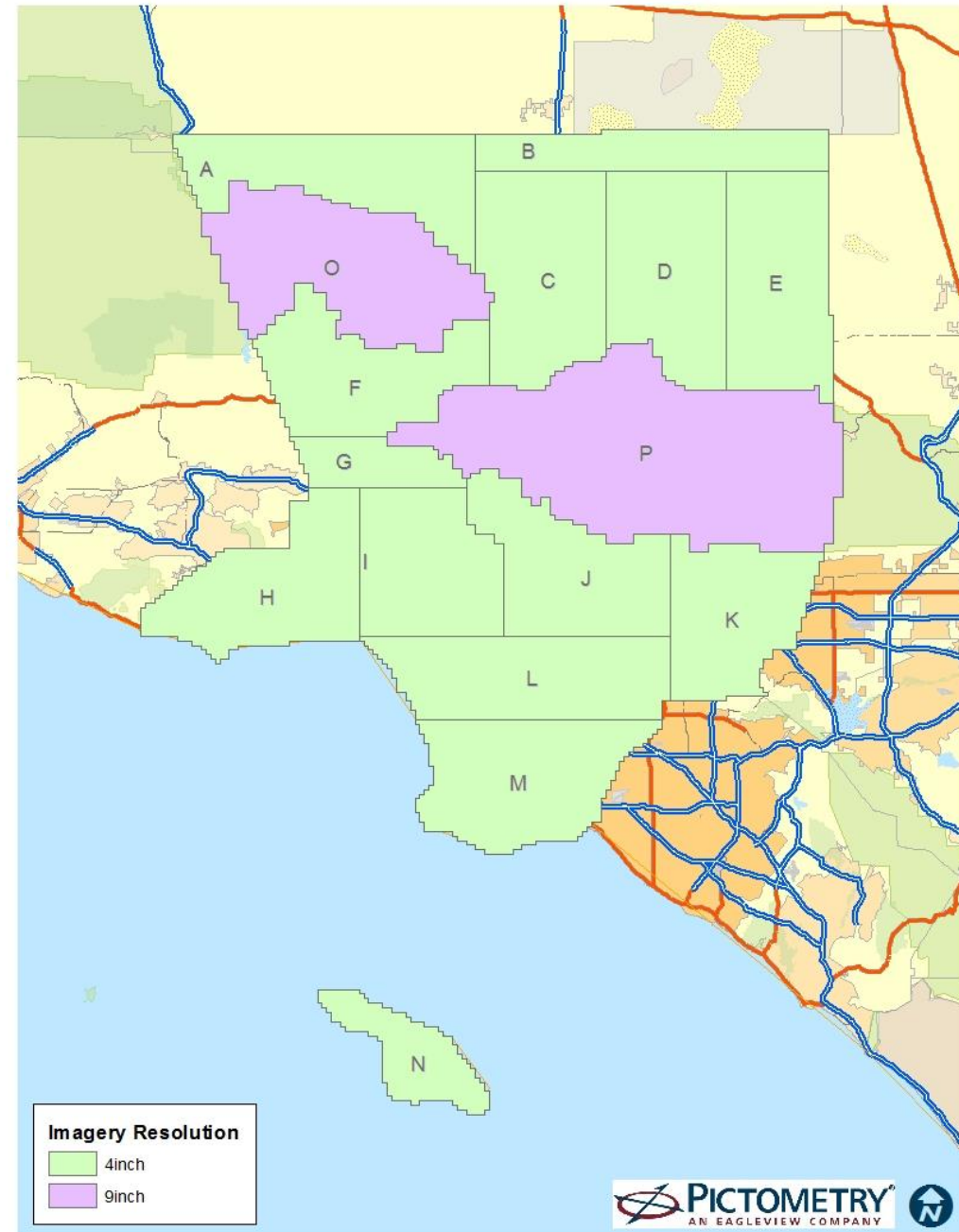
- **Deliverables**

- Preliminary Frame Imagery via ConnectExplorer
- Full Frame Imagery Library
- Ortho Mosaic
- 4-Band Ortho Mosaic



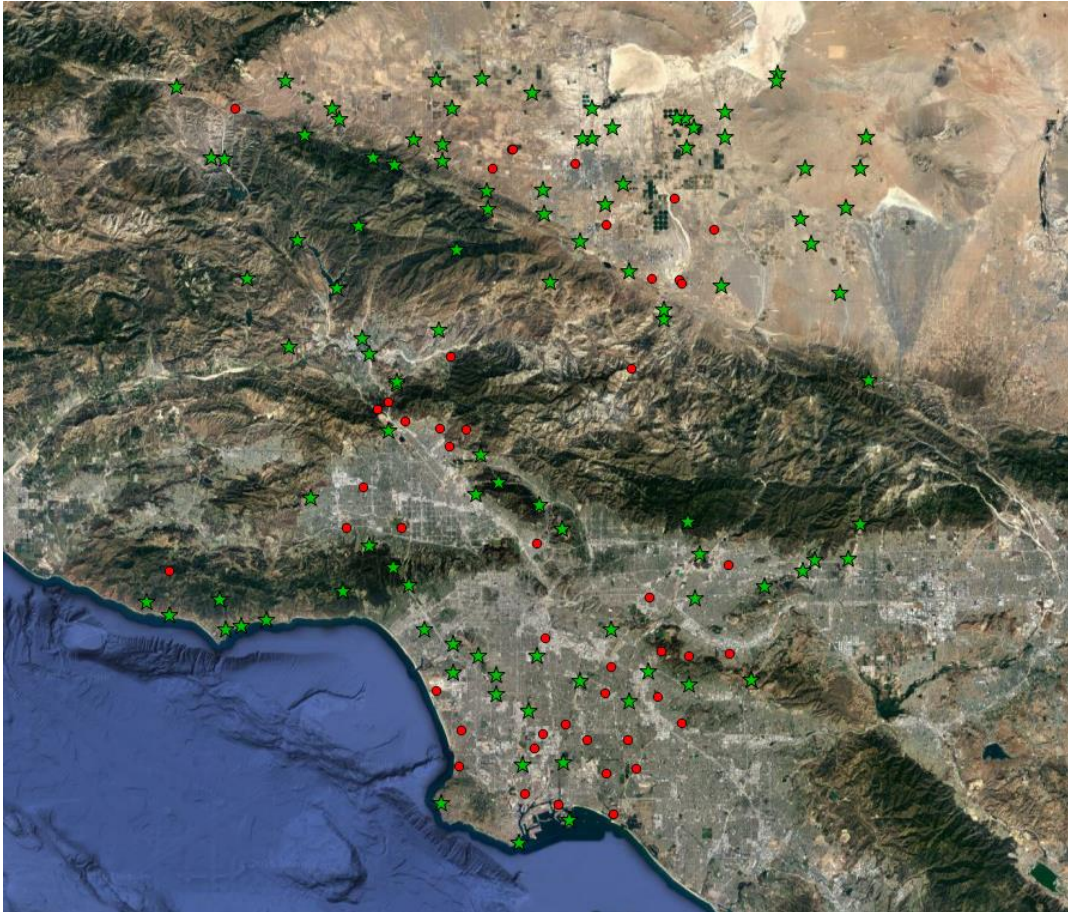
LARIAC5 Kickoff

- Scope of Work
 - 4" Ortho/Oblique Imagery
 - 9" Ortho/Oblique Imagery for Forest Areas
- Approach
 - Control
 - Flights
 - Processing
 - Deliveries



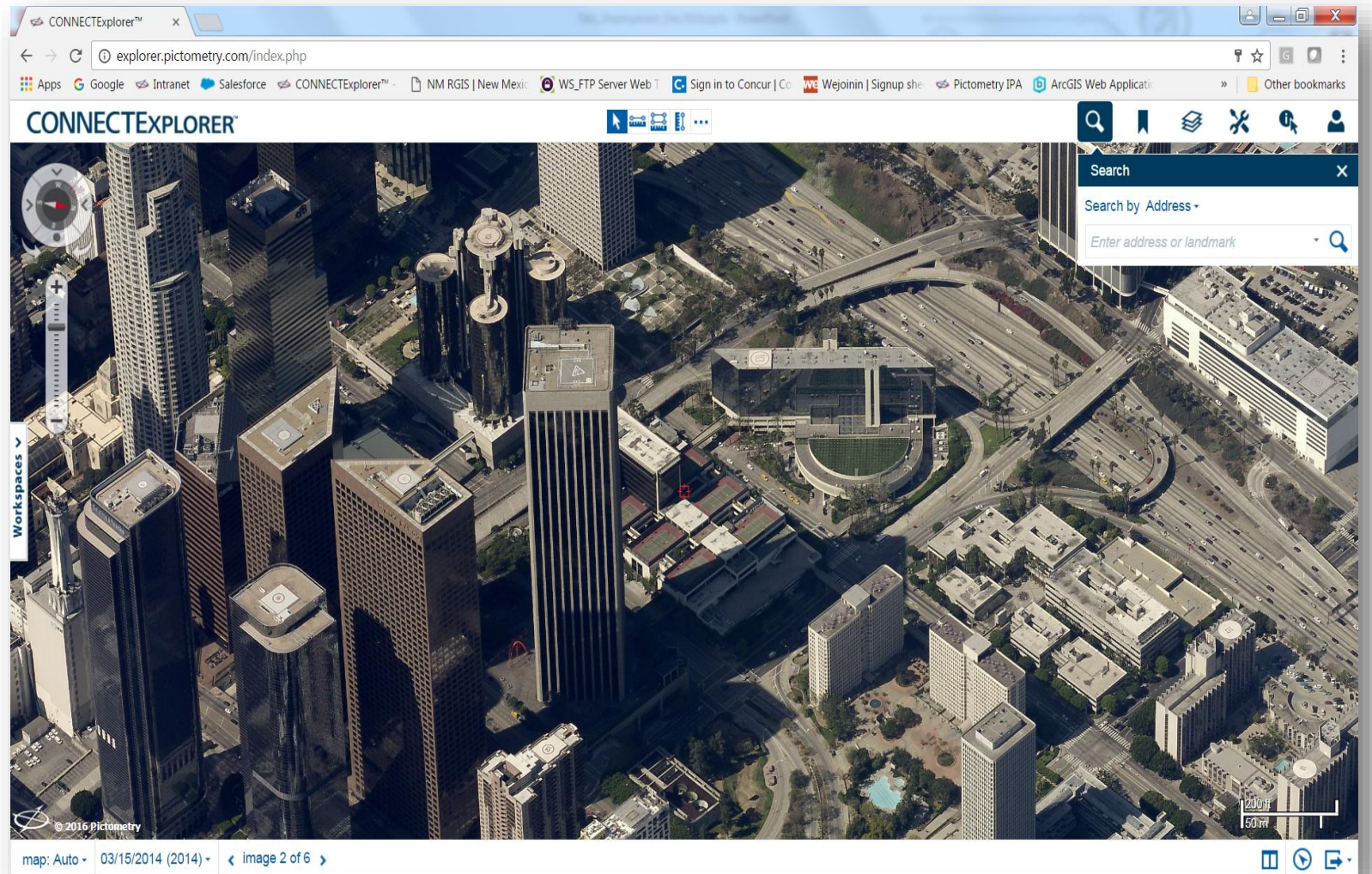
LARIAC5 Kickoff

- Ground Control



LARIAC5 Kickoff

- Imagery Acquisition
 - Jan – March 2017
- Preliminary Frame Imagery Library
 - ConnectExplorer “Early Access”
 - Jan – April 2017
- Final Frame Imagery Library
 - ConnectExplorer
 - March – April 2017
- Mosaic
 - ConnectExplorer
 - April 2017



LARIAC5 Kickoff

4-Band Imagery Production Workflow:

- Processing
- Aerial Triangulation
- Imagery Correction
- Final Production Deliverables
- AccuPLUS “4-Band” OrthoMosaic Deliveries between Oct – Dec 2017

Building Outline Updates:

- Prepare an update to the 2008, 2014 Datasets – Schedule TBD
 - New Construction, Changes & Demolition > 400 sf county-wide





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