Conceptual Review Agenda

Schedule for 12/03/12 to 12/03/12

281 Conference Room A

Monday, December 3, 2012						
Time	Project Name	Applicant Info	Project Description	Planner		
9:00	500 Vine Drive - Solix Biosystems	Rich Schoonover 970-227-2515 rich.schoonover@solixbiosystems.com	This is a request to determine any issues surrounding the operation of outdoor algal growth/technology research and offices for longer-term lease by Solix Biosystems at 500 E Vine Drive (Parcel #s 9701306002, 9701306001, 9701308001, 9701300062). Solix is seeking to repair/replace the current chain-link fencing and install privacy screening as well as the placement of above-ground swimming pools for algal growth/research and associated supporting equipment including coolers, heaters, bulk CO2 storage, and concrete pads. The site is within the Community Commercial North College District (C-C-N) and the North College Corridor Plan; light industrial is permitted subject to administrative (Type 1) review.	Sherry Albertson-Clark		
9:30	243 College Avenue - Office Building	Peter Kast 970-229-9900 pkast@realtec.com	This is a request to construct an office building located at 243 North College Avenue (Parcel #s 9711125014, 9711125008) and current home to the Whistle Clean Car Wash. The office building would likely be between 30,000 and 60,000 square feet and 3 or 4 stories. The site is in the Civic Center Subdistrict of the Downtown District (D) zone. Offices are permitted in the district/subdistrict subject to administrative (Type 1) review. If a single story will contain 25,000 square feet or more of floor area, Planning & Zoning Board (Type 2) review will be required.	Sherry Albertson-Clark		

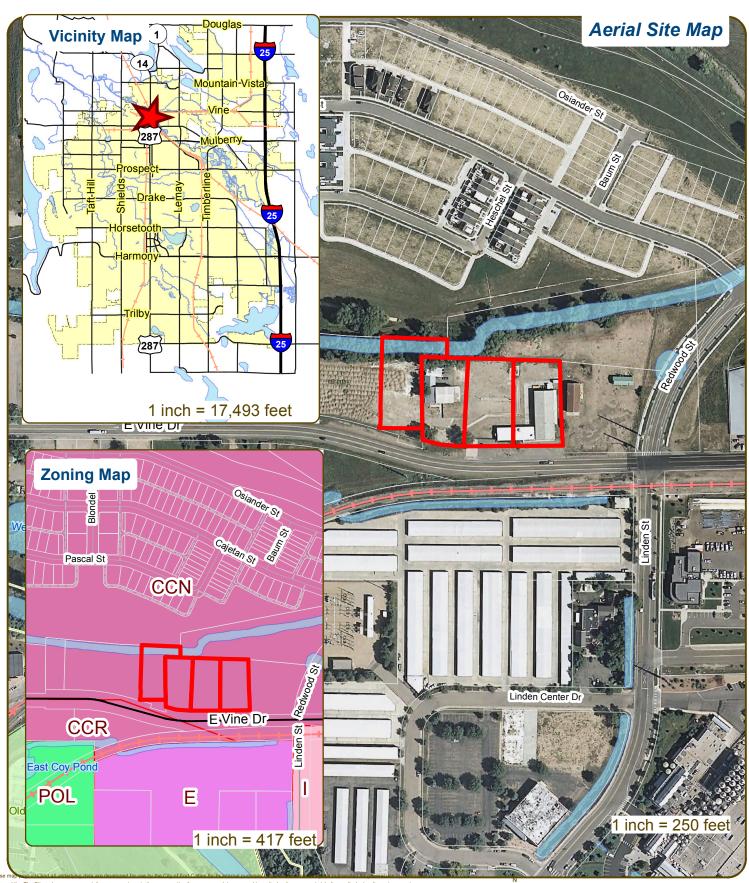
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Time	Project Name	Applicant Info	Project Description	Planner			
10:15	121 Lake Street - Fraternity Addition	Bud Frick 970-484-1467 wjfdgrmp@gmail.com	This is a request for an addition of an existing fraternity house located at 121 East Lake Street (Parcel # 9713331019). In the front, the addition would include below grade ("sunken") bath facilities covered by a patio. A concrete slab is propsed in the rear of the building. The site is within the Neighborhood Conservation Low Density District (N-C-L) and the fraternity is a non-conforming use, requiring Planning & Zoning Board (Type 2) review.	Courtney Levingston			
11:00	Link-n-Greens Conceptual Review	Allen Ginsborg 970-377-1135 aginsborg@newmarkmerrill.com	This is a request for a phased project to include office/commercial and industrial space for Woodward as well as retail spaces in a campus-like setting located at the former Link-n-Greens Golf Course site at the southwest corner of Lincoln Ave and Lemay Ave (Parcel #s 9712400062, 9712400071, 971240006, 9712400017, 8707300096, 971240005, 8707300099). The project will require Planning & Zoning Board (Type 2) review.	Jason Holland			

500 E Vine Dr Solix Biofuels



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Development Review Guide - STEP 2 of 8

CONCEPTUAL REVIEW: APPLICATION

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BOLDED ITEMS ARE REQUIRED *The more info provided, the more detailed your comments from staff will be.* Contact Name(s) and Role(s) (Please identify whether Consultant or Owner, etc) RICH SCHOOLOVER, COO Business Name (if applicable) SOLIX BIOSPSTEMS, INC. Your Mailing Address 500 EAST VINE DR, FT. COLLINS, CO 80524 Phone Number 970.227.2515 Email Address Rich, Schlochover C. SOUXTRIOS 9 STEMS, COM Site Address or Description (parcel # if no address) 500 EAST VINE DR. FT. COLLINS, CO 80524 Description of Proposal (attach additional sheets if necessary) SEE ATTACHED Proposed Use OFFICE & SHOP Existing Use OFFICE & SHOP Total Building Square Footage 12,031 S.F. Number of Stories Z Lot Dimensions 2.06 Acres Age of any Existing Structures SITE ORIGINALLY DEVELOPED IN 1960. Info available on Larimer County's Website: http://www.co.larimer.co.us/assessor/query/search.cfm If any structures are 50+ years old, good quality, color photos of all sides of the structure are required for conceptual. Is your property in a Flood Plain? Yes \square No If yes, then at what risk is it? Info available on FC Maps: http://gisweb.fcgov.com/redirect/default.aspx?layerTheme=Floodplains. Increase in Impervious Area <u>ESTIMATE APPROX</u>. <u>Z100 - 4.000</u> S.F. (Approximate amount of additional building, pavement, or etc. that will cover existing bare ground to be added to the site) Suggested items for the Sketch Plan: Property location and boundaries, surrounding land uses, proposed use(s), existing and proposed improvements (buildings, landscaping, parking/drive areas, water treatment/detention, drainage), existing natural features (water bodies, wetlands, large trees, wildlife, canals, irrigation ditches), utility line locations (if known), photographs (helpful but not required). Things to consider when making a proposal: How does the site drain now? Will it change? If so, what will change?



RE: Conceptual Review for 500 East Vine Drive

Solix BioSystems, Inc. (Solix)

Solix was founded in 2006 with the intention of developing a massively scalable algae cultivation technology that would be suitable for cost efficient production of algae. Since its founding, Solix has continuously set the performance bar within its industry in terms of algae growth productivity, volumetric output of biomass and oil and technology commercialization. These achievements have been driven by the Solix management team whose experience in engineering, plant construction and operations, chemistry and company growth has driven year over year continuous improvement and the rapidly commercializing of its technology.

The Company is currently headquartered and has its product development facilities in Ft. Collins, Colorado. Prior to relocation to 500 East Vine Drive The Company was headquartered at 430B North College Ave. immediately behind the CSU Engines and Energy Conversion Laboratory. The Company also owns and operates a demonstration facility in Southwestern Colorado. Solix currently employs 17 people.

500 East Vine Drive

Solix currently leases the property at 500 East Vine Drive and has been operating at this facility since May of 2012. Solix is determining the viability of entering into a longer term lease (12-24 months) with the property owner so that outdoor algal growth and technology development capabilities can be established at the site. The capabilities and scope of the development will be similar to that deployed at 430B North College Avenue prior to its decommissioning in April of 2012.

The Conceptual General Arrangement provided with the application illustrates the scale of development primarily:

- 1. Repair of current chain link fence to provide better security and the installation of a privacy screen for protection of intellectual property.
- 2. Installation of algal growth systems as shown in the conceptual drawing.
- 3. Installation of algal growth systems shall be limited to areas shown so as to not impact the current drainage of the site.
- 4. Bi-sect property with a chain link privacy fence on the western side of the property to increase security and section off a portion of the property for Innosphere overflow parking.
- 5. Electricity is distributed throughout the site and will be adapted to Solix's needs.
- 6. Heaters for the algal growth systems will be operated on propane as was done at the facility at 430B North College Avenue.
- 7. Waste water will be captured and hauled off for disposal.

The property is also part of the Inverness Innovation Park and is subject to certain covenants currently on file with Larimer County.



Description of Algal Growth Systems

The systems used for research and development consist of basins which are modified above ground swimming pools of various sizes and configurations.

Solix's AGS4000, shown below, is a typical configuration.





Typical systems dimensions are 6'x 60', 12'x 60' and 12' x 120' with depths ranging from 27 to 45 inches. Ancillary support systems are trailer mounted as shown in the picture. As shown in the Conceptual General Arrangement, Solix anticipates installing three (3) basins in 2013 for the summer growing



season. Additional support equipment such as evaporative coolers, heaters and bulk CO2 storage will also be added and may require the addition of small concrete pads for support. These small pads would all be on grade and typically less than six inches thick.

Site Configuration

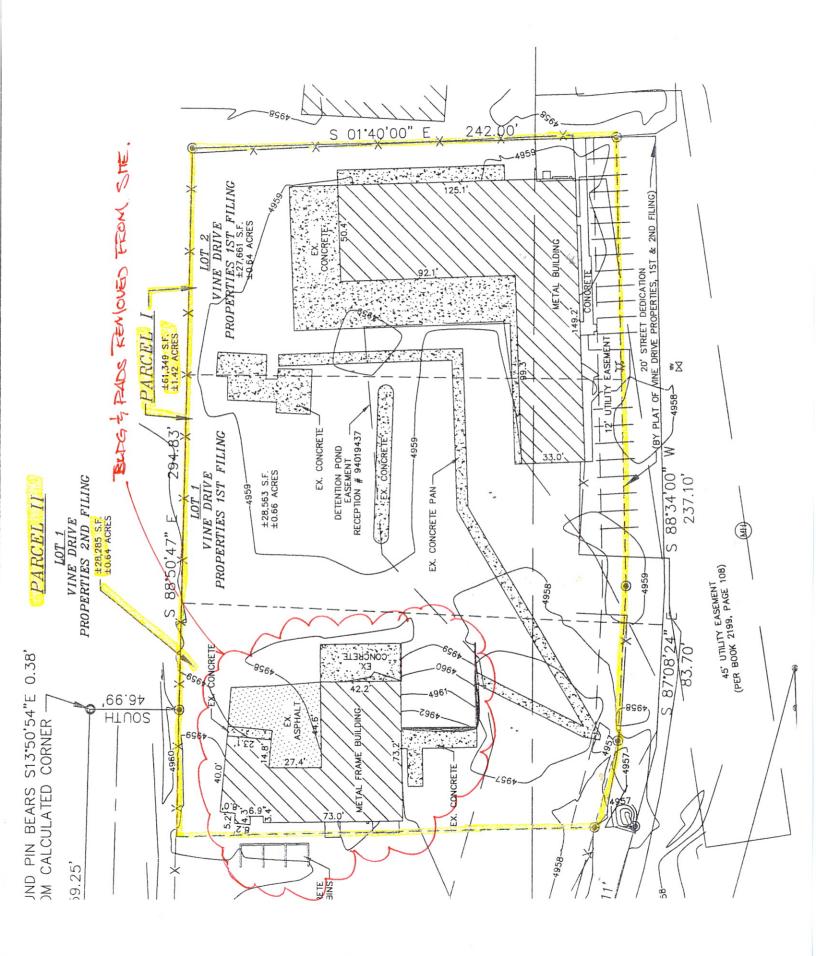
The proposed arrangement of the systems, including possible future expansion, is shown in the Conceptual General Arrangement attached to this application. The configuration has been chosen such that existing concrete pads and level areas are used as much as possible so as to avoid any impact on site drainage and the Detention Pond Easement. With arrangement shown an estimated 2,100 – 4,000s.f. of additional Impervious Area to the site will be added to the site. It should be noted, however, that the basins have approximately two (2) to four (4) inches of additional capacity (i.e. freeboard) for capture of rainfall that should not be counted towards the Impervious Area calculation but that is included in the estimate stated above.

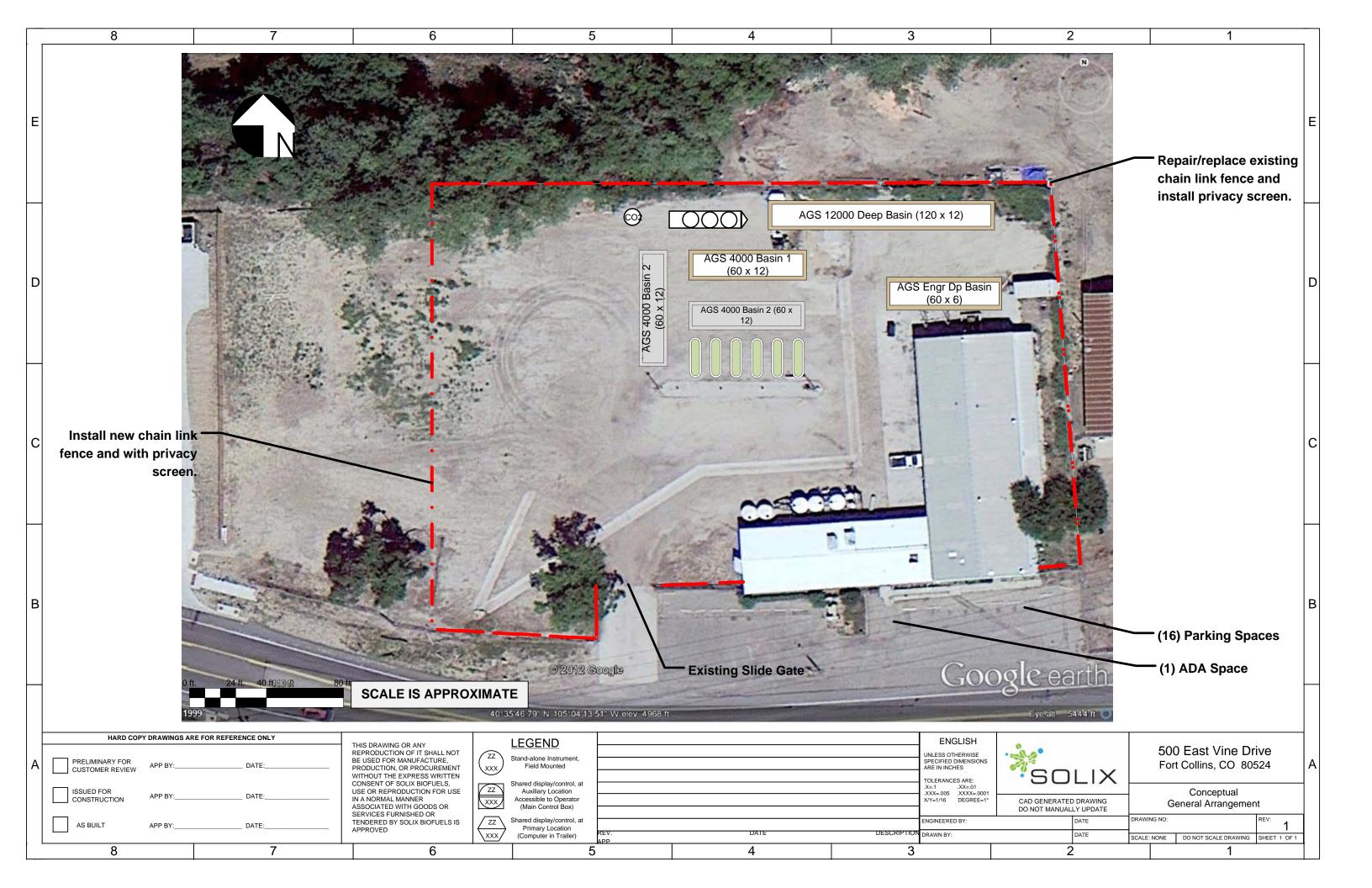


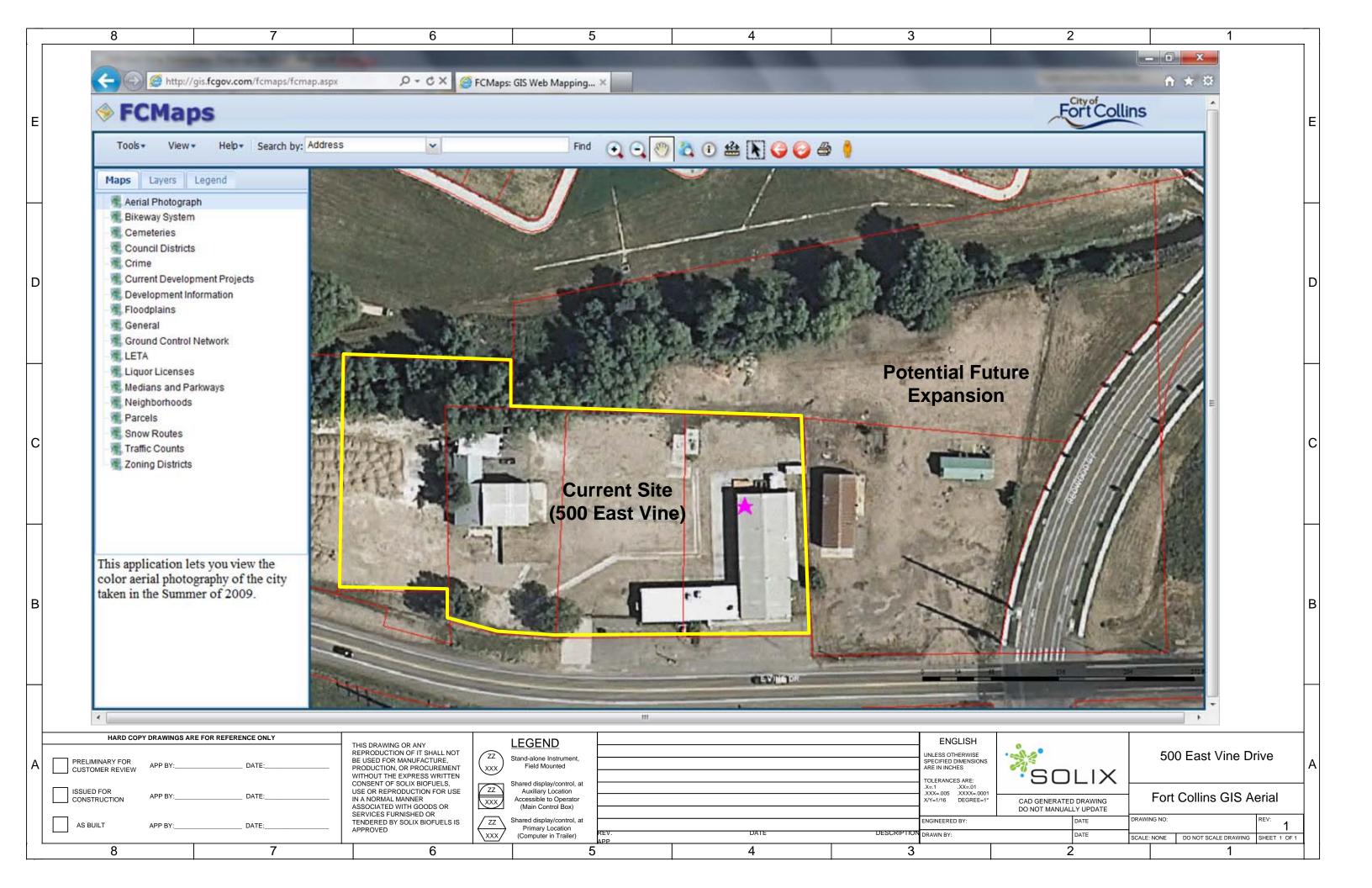


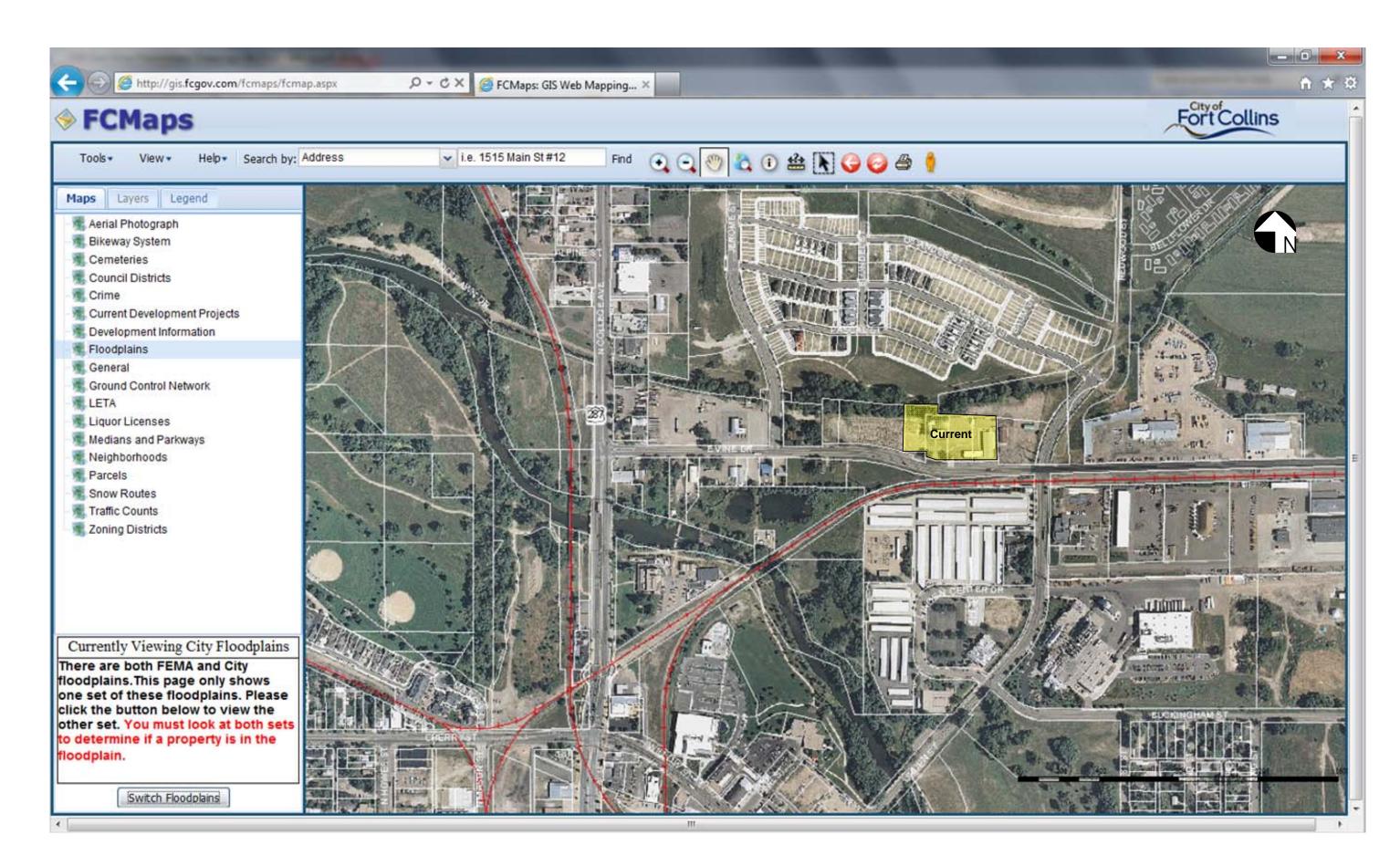


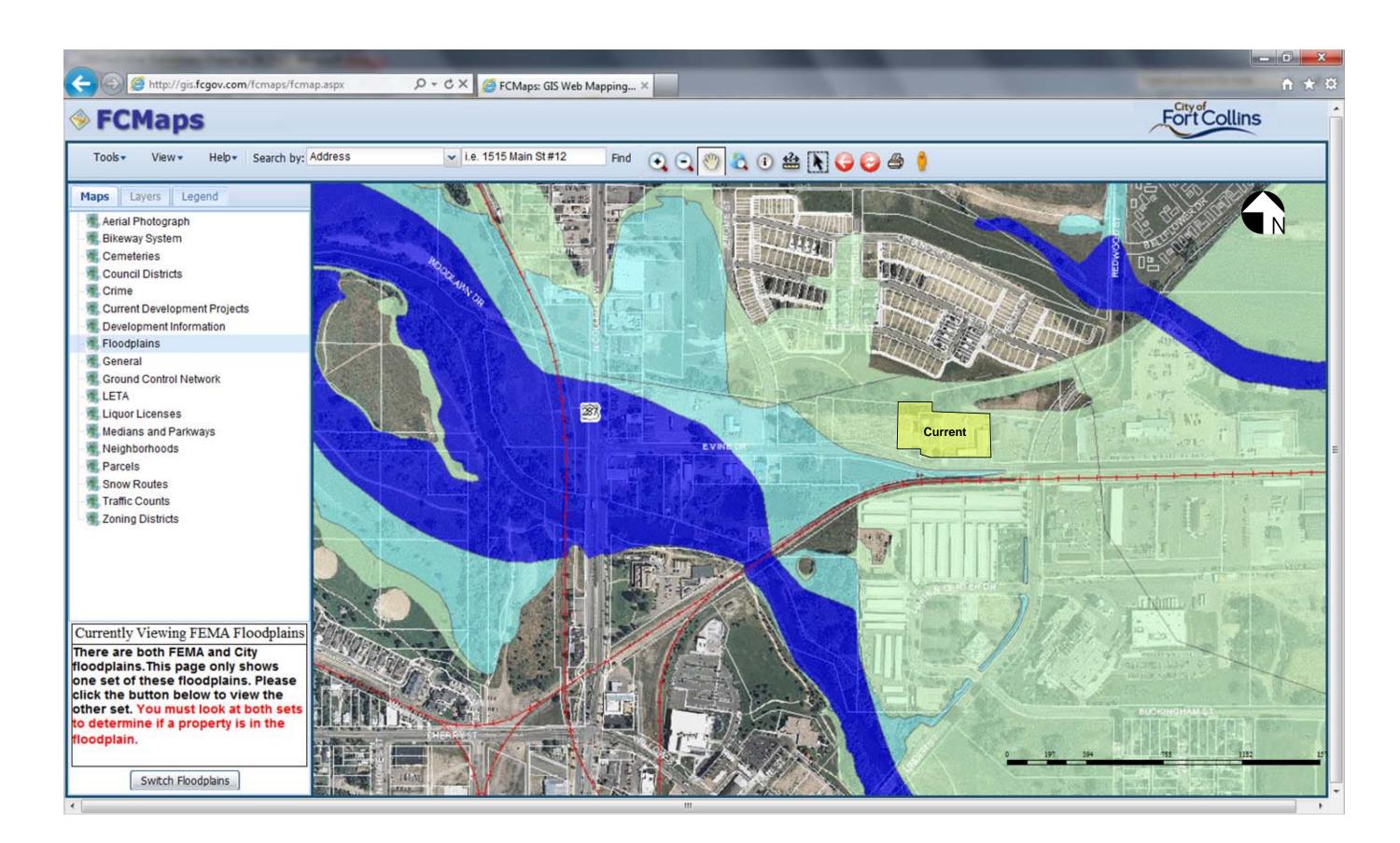




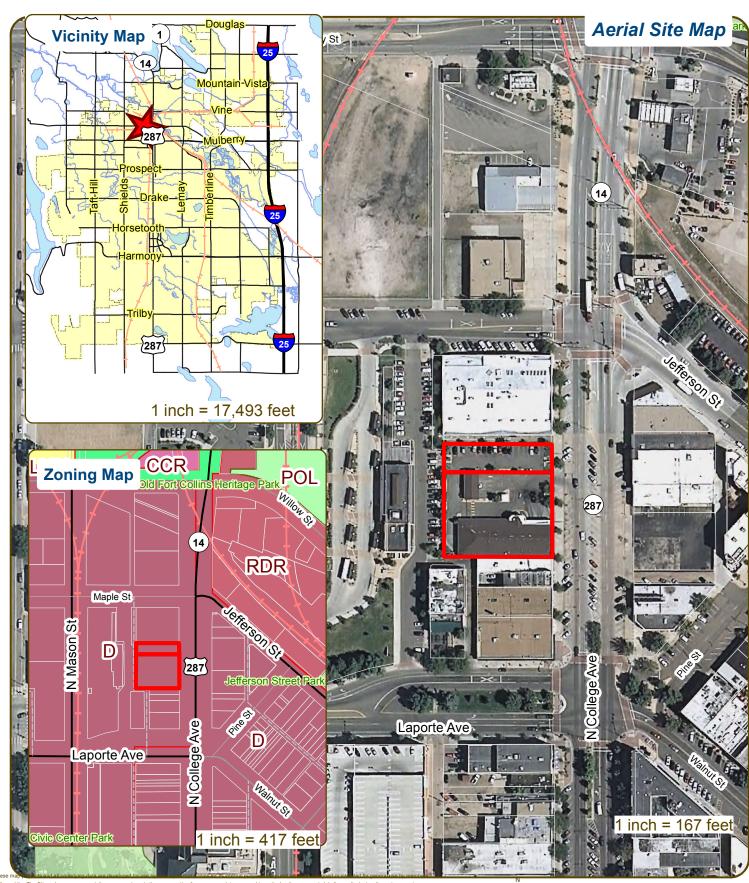








243 N College Ave Office Building



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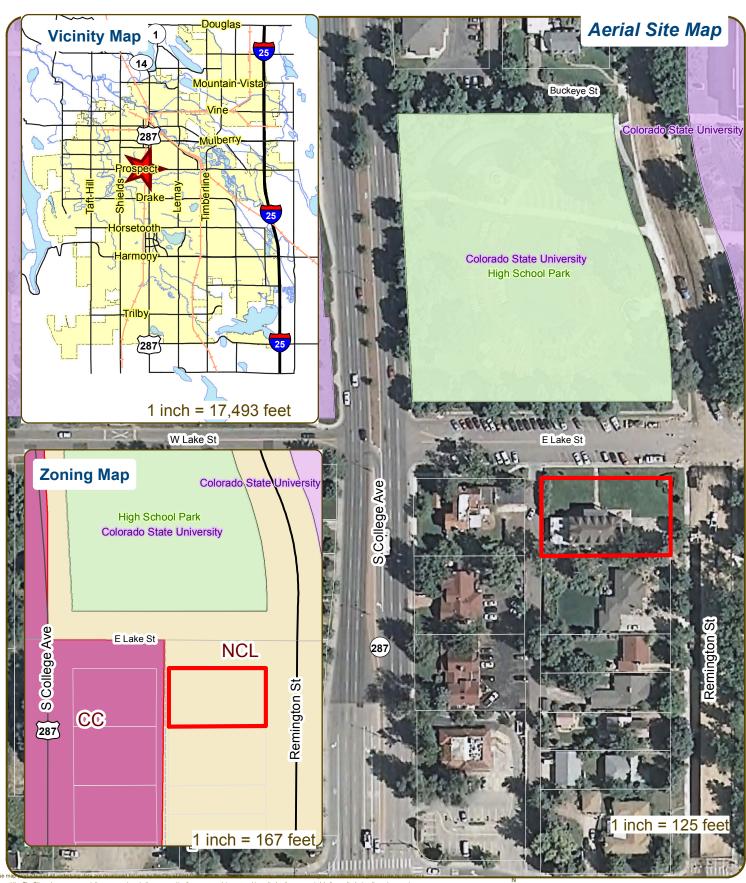
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121 E Lake St Fraternity House Addition



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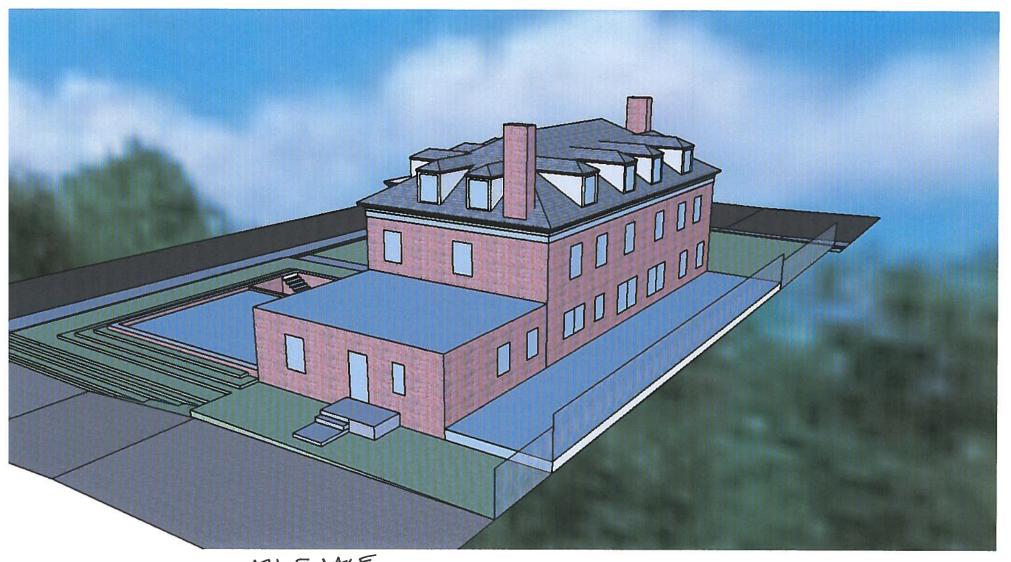
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Business Name (if applicable)
Your Mailing Address 526 1. COURTE AND
Phone Number 484-1467 Email Address wifdgrape & gmail.com
Site Address or Description (parcel # if no address)
121 EDST LAKE
Description of Proposal (attach additional sheets if necessary)
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OF ERIST FRATERNITY HOUSE . ADD CONE. SLADE SOUTH ALONE LEDETH OF
Proposed Use TRATERNITY Existing Use TRATERNITY
Total Building Square Footage 981 S.F. Number of Stories 3 Lot Dimensions 150x175
Age of any Existing Structures
Info available on Larimer County's Website: http://www.co.larimer.co.us/assessor/query/search.cfm If any structures are 50+ years old, good quality, color photos of all sides of the structure are required for conceptual.
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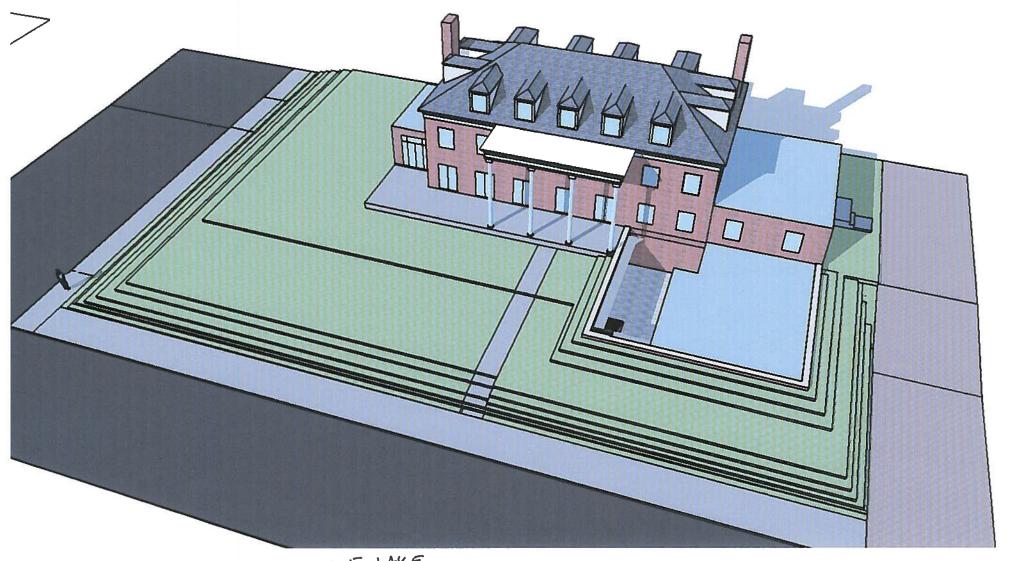
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121 E. LAKE

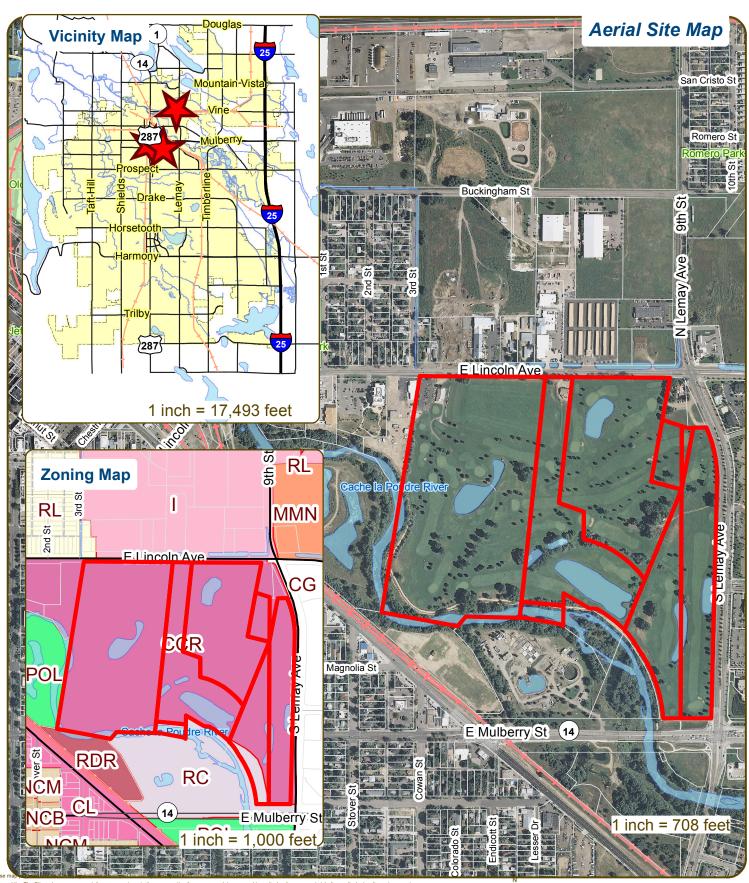


121 E. LAKE



121 E. LAKE

Link-n-Greens Woodward Campus



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