

ASU SkySong Project Narrative, 2/9/2009

- Intent:** The lighting design intent is to uplight the underside of the fabric canopy and accent light the columns to softly define the supporting architectural structure. White, warm-toned indirect light on the underside of the fabric illuminates the ground and blends into surrounding landscape lighting. Cooler-tone 'bluish' light highlights one side of each of the masts to impart apparent movement to the static structure. Uplighting of the canopy is limited to the four upward pointing conical sections (one in each quadrant) of the fabric's geometrical form. This confines view of the luminous underside of the fabric to the pedestrian area below the fabric structure and minimizes light reflecting into the surrounding landscape.
- Concept:** A ring of (10) ten Ceramic Metal Halide (CDM) upward-aiming narrow beam floodlight fixtures are mounted above head height at the base of one mast in each of the four quadrants. Each fixture is accessorized with a 180-degree glare shield cut at a 45-degree angle and is individually switched to provide variable light levels. CDM pulse start lamps source provide a long life, energy efficient, high color rendering white light source. At the tops of each of the masts, and at the bases of the remaining masts without CDM floodlights, a ring of upward and downward pointing RGBAY LED narrow beam floodlights light one side of each of the masts. The fixtures' LED source allows individual control of color and intensity, and combines energy efficiency with ultra-long life.
- Operation:** The main illumination scheme of the structure, described above and depicted in the project renderings, occurs daily from sunset to midnight. After midnight the mast illumination would switch off, and a selected portion of the canopy uplighting would remain on to meet general illumination requirements of the surrounding landscape. On holidays and special occasions, the individually addressable LED light sources provide flexible color options on the masts lighting only to promote a particular theme, event, or identity.
- Fixtures:** Ceramic Metal Halide (CDM) narrow beam floodlights by Bega. Programmable RGBAW narrow beam floodlights by Martin Architectural.

Development Review Board Study Session Memorandum



Item No. 5

Topic: Skysong, 88-DR-2005#5

Action Requested: Preliminary comments regarding the proposed accent lighting for the Skysong structure.

Meeting Date: February 19, 2009

From: Greg Bloemberg, Planner

Through: Steve Venker, Development Review Board Liaison

A handwritten signature in dark ink, likely belonging to Steve Venker, is written over the "Through:" line.

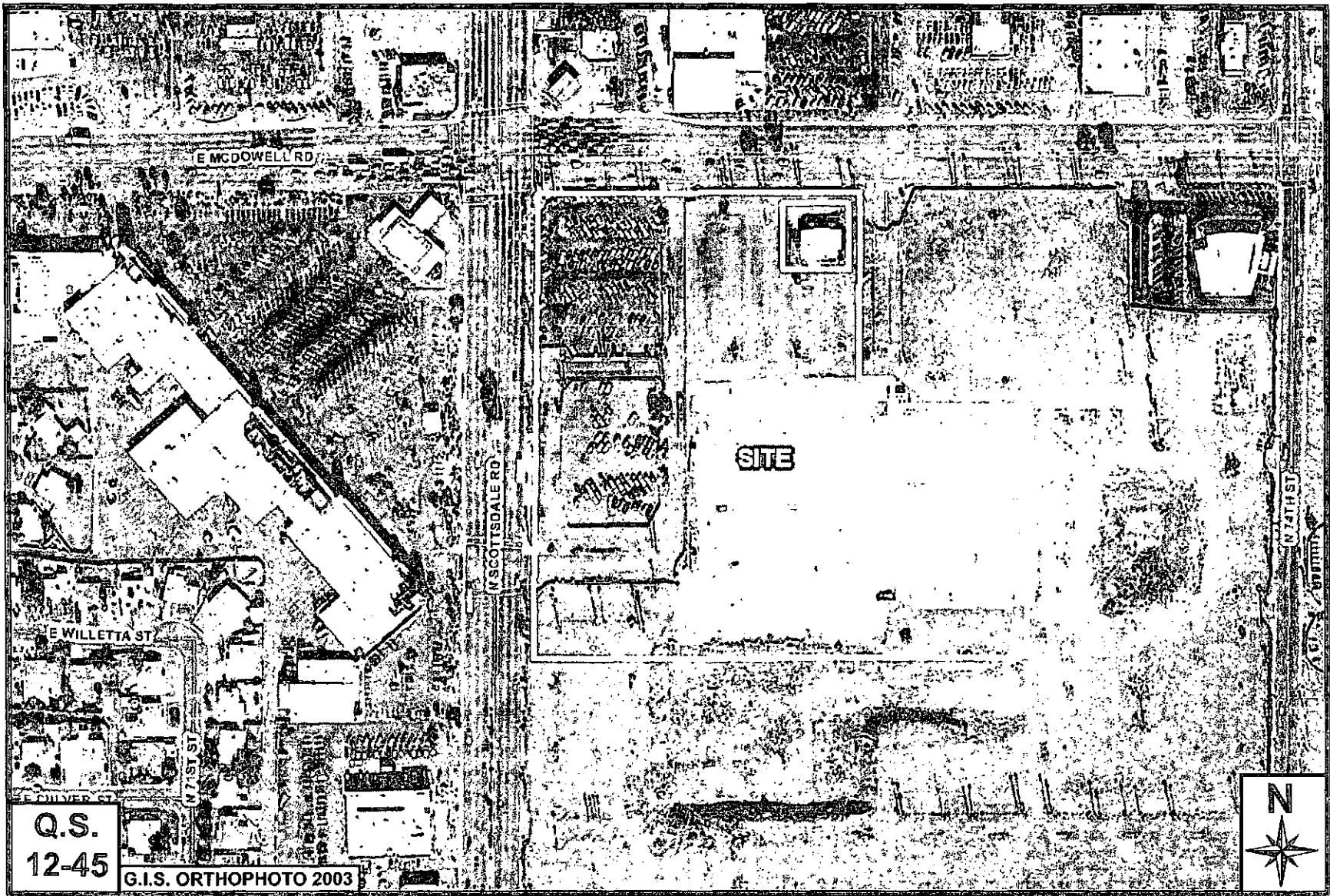
Applicant Request:

The applicant requests approval to add accent lighting to the tensile structure at the Skysong project. The intent is to uplight the underside of the canopy with a series of Metal Halide fixtures and utilize LED accent fixtures to uplight and downlight the support structure.

Attachments: 1. Context Aerial
2. Project Narrative

- introduction
- what is request
- opportunity for comment and/or suggestions
- future night-time study session (April)

Comments: - concerns over light trespass; uplighting into Sky (Jones)
* - lighting could be reduced (glare) (Jones)
- environmental impact?? bird nests, etc. (Ortega)
- ~~the~~ trusses were not included in models
Was this intentional?? (Edwards)
- will there be "hot spots"?? (Edwards)
~~the~~ Could be a concern.



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