The University of Nevada, Las Vegas
4505 S. Maryland Parkway
Las Vegas, Nevada

To: University and Community College System of Nevada, Board of Regents
UNLV President Dr. Robert Maxson
UNLV Faculty, Administration, and Staff
UNLV Student Body
State of Nevada Public Works Board

Ladies and Gentlemen,

Our planning and urban design team is pleased to submit the update of the comprehensive campus master plan for UNLV, in accordance with our agreement with the University and the State of Nevada Public Works Board.

Our work over the past fifteen months has provided us with the opportunity to conduct in-depth investigations and evaluations of the physical characteristics of the University setting and associated infrastructure at UNLV. The Campus Master Planning Committee, chaired by Dr. Hugh Burgess, has been a great asset and sounding board for our team. Likewise, John Amend and Eric Roeske have been invaluable as resources for all of our endeavors during this planning period.

The team’s objectives throughout the process have focused on facilitation. This is not our plan; it is yours. We have met with students, faculty, staff, and members of the administration systematically to incorporate each population’s ideas and aspirations for the University into the plan on a realistic and rational basis.

While the plan is directed to the year 2015, it is our strongest belief that 35,000 students will be enrolled at UNLV in advance of that date. A significant percentage of the student body will be enrolled in undergraduate programs not yet conceived, in emerging professional programs, and in graduate and doctorate studies.

Consequently, the University may have to address a more rapidly evolving timeline and development schedule for campuses than the conservative planning approach taken in the study. Of equal importance is the University’s current need to look beyond a singular campus and investigate the potential and opportunity for additional sites at strategic locations around the Las Vegas valley. Secondary sites can be effectively used for University outreach programs, some upper-division coursework, some graduate work, and evening division and continuing education programs.

To incorporate maximum planning flexibility, this document is structured to provide a set of directional guidelines to assist the University and the Campus Master Planning Committee prepare for future planning decisions. Appendices to the study provide additional detailed planning information and design criteria to assist the decision-making process.

Both the report’s format and content support the newly developed UNLV Academic Master Plan. We consider this study to be a sister document to that plan. We are indebted to Dr. Unval, Nancy Pegg, and the College Deans for helping us better understand the University’s long-range academic goals and objectives.

We truly appreciate the overall assistance we have received from all aspects of the University throughout our investigations and we are grateful for the contributions to the quality of the report which have been made through this cooperation.

Thank you for giving us this opportunity to serve you and to assist you with your plan for tomorrow.

Sincerely,

Robert A. Fielden, AIA
University of Nevada Las Vegas

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EXECUTIVE SUMMARY
Introduction
The UNLV Campus Master Plan is developed for a twenty-year implementation period for the years 1995 to 2015. Looking ahead to the year 2015, the University of Nevada, Las Vegas has an enrolled student population of 35,000, supported by an additional 5,000 faculty, administration, and staff. More than 25% of the student population is enrolled in graduate studies and postgraduate research.

UNLV provides a broad-based academic curriculum in liberal, fine and performing arts; natural, social, and physical sciences; mathematics, engineering, and communications; education; government and law; physical education; health sciences; and construction; architecture, planning, and environmental design. Academic accomplishments, faculty achievement, and successful research have brought the University national and international acclaim and recognition as one of the West's leading public supported institutions of higher education.

The 335-acre campus has expanded to incorporate a number of peripheral real estate properties so that the University can provide space to adequately house its programs for undergraduates, graduates, and doctoral studies. In addition to the main campus, UNLV has two satellite campuses which provide upper-division and graduate coursework for part-time students and residents in the Las Vegas Valley.

UNLV has evolved to become more of a traditional university model with a higher percentage of full-time and resident student enrollment. More student activities are housed on-campus, including extracurricular activities, intramural sports, student dances, single and married student resident programs, etc....

UNLV has created a public-private partnership with adjacent and nearby property owners to establish the Special Assessment District of University Park. The purpose of University Park is to create a strong economic and physical environment around the University campus which will provide long range mutual interest and support for all parties. Through the Special Assessment District, bonds have been sold to upgrade and maintain the quality and character of the district including installation of uniform signage and graphics, landscaping, and public art.

With the University's support of private sector interests in the area, landowners have maintained and upgraded the quality of their properties, student housing, and retail businesses. Maryland Parkway businesses are almost entirely University oriented including boutiques, specialty shops, food and beverage establishments, bookstores, and theaters. They provide much needed support to UNLV and part-time employment for students attending the University.

As the campus has matured, it has become more environmentally sensitive to the ecology of the Great Basin and Mojave Desert. Collegiate programs between Environmental Design, Environmental Sciences, Environmental Studies, and the Physical Plant have created an exemplary physical environment for campus which has become a leader in educational laboratories for solving environmental applications.

Increased development on campus has increased density. Buildings are placed closer together and the majority of surface parking has been used to create needed building sites for new academic structures.

Student, faculty, administration, and staff parking have been relocated to a number of perimeter parking structures and to off-site locations west of campus. Parking at the Thomas & Mack Center is restricted to weekday use and is reserved in the evenings and weekends for even-numbered academic parking on-campus is reserved for visitors, the disabled, key administrators, and service vehicles.

A shuttle bus service provides a linkage between remote parking, parking garages, and the center of campus from 7:00 AM to 7:00 PM. The shuttle also serves the majority of off-campus student housing areas east of Maryland Parkway and south of Tropicana to reduce parking requirements and vehicular congestion around campus.

Campus buildings which have been recently constructed are of the same size, scale, height, and "contemporary style" design as older buildings. A 400,000 square foot, seven-story library serves as the center and heart of campus. A new campus includes clock tower close by.

Design sensitivity to environmental issues and context is maintained with the newest structures on campus. Buildings are sited and configured to allow natural light into their spaces while shielding direct solar gain. Exterior solar courts are created for outdoor winter activities and shaded for spring and summer use. Other shaded outdoor areas are specifically created for protection from the summer sun.

Building operating systems are linked together to function more efficiently and economically with fewer maintenance and disruptive problems. Electrical and distribution systems on campus are owned by the University and provide more economical power for services. Infrastructure systems across campus have been looped for better operations and are electronically monitored and controlled through the Physical Plant.

The campus mall system for pedestrian and service access has been greatly enlarged and articulated with student spaces, flags, and banners, locations for public art, formal gardens, Distinguished Faculty and Doctorate Wall with Water Feature at Main Entrance to Campus.
Information kiosks, security lighting, drinking fountains, additional groves of trees, water features, and food courts. A number of rose gardens across campus add color to the blend of traditional and drought-resistant plant materials, shrubs, and trees.

At the northwest end of campus, a large outdoor festival area has been created for the arts festival, performances, concerts, social gatherings, exhibits, and bazaars. The outdoor area is grassed, tree-lined, and heavily shrubbed to provide a windbreak for performances and activities.

Formal entrances have been developed around the perimeter of the campus for specific purposes. At Cottage Grove and Maryland Parkway, at the north end of campus, the entrance is developed for visitors and guests who are attending events at the Fine Arts and Performing Arts Centers or at the outdoor festival area. This entrance is identified by a large marquee with specific events and schedules and is supported by two parking structures each housing 1,000 autos.

A primary pedestrian entrance and student plaza has been constructed at the intersection of Harmon Avenue and Maryland Parkway. The student plaza is platted landscaped with a large grove of shade trees, colorful shrubs, plants and flowers. The focal point of the plaza is the marble Honors Wall, inscribed with the names of the past UNLV Valedictorians. Behind the wall is a series of flag standards hoisting flags of the United States, Nevada, the University of Nevada System, and UNLV.

A formal visitor’s entrance with automobile access is developed at the intersection of Del Mar and Maryland Parkway. This entrance serves first-time visitors or guests to the campus via automobile, or those who need to access the new University Administration Building. The focus of this entrance plaza is a large cascading water feature and marble wall where the names of honored faculty, administrators, and doctors are inscribed. Behind the wall is a series of flag standards which set the banners of each of the academic colleges and schools at UNLV.

On Tropicana at Wilbur, a formal entrance is developed for automobile access to campus housing and associated parking. An additional entrance to event parking at the Thomas & Mack Center has also been developed on Tropicana to replace the vacated entrance at Wilbur.

At the intersection of Swenson and Harmon Avenue, a new major entrance to campus has been developed for service access to the Thomas & Mack. This entrance also provides access to two 1,000 car parking structures and to surface parking west of the Fertitta Tennis Pavilion.

The University’s new Continuing Education Center, and adjacent athletic fields. This entrance is supported by a marquee activity sign and a 1,000 car parking structure.

Property south of Tropicana Avenue at Swenson has been acquired from the Clark County School District to house a small Inn and Conference Center for the College of Hotel Administration. The new facility provides service to the University and a training laboratory setting for hotel students.

The Tropicana Plaza office building has been acquired by the University to use for the new UNLV School of Law. Existing space within the office building has been reconfigured for classrooms, offices, libraries, and courtrooms for use until a new structure is funded.

Property along Ascot Drive, east of Maryland Parkway and south of Harmon, has been jointly acquired by the University and private interests to construct a new housing complex for students. The joint-venture project was developed to replace substandard housing which had become an impediment to the social setting of the neighborhood.
Plate S-1
Future Campus Planning Map
The site plan provides a layout of campus at the completion of build-out academic needs, programming objectives, criteria related to planning and design requirements for this drawing are fully described in Appendix #1, of this report. Existing buildings are identified by three numbers and numbered in relationship to when they were constructed. Maude Frazier Hall is building A001. The prefix A indicates that the building is used for Residential purposes. The prefix R indicates the building is a Residence structure, the prefix S indicates the building is a support structure and the prefix L indicates the area is a major landscaped segment of campus. In addition to the numbering sequence of existing buildings are indicated solid.

A future buildings located on the site plan are indicated with a textured screen. They are numbered consecutively from 1 through 34. These numbers interface with priorities which have been established for legislative funding, bonded buildings, site acquisitions and other infrastructure.

The key for the Future Campus Planning Map is as follows:
1. NEW LIBRARY
2. NEW ATHLETIC FACILITIES
3. PARKING GARAGE #1
4. HYDROGEN RESEARCH INSTITUTE
5. PARKING GARAGE #2
6. POLICE DEPARTMENT ADDITION
7. OUTDOOR POOL/FOOD COURT
8. WRIGHT HALL ADDITION
9. NEW ADMINISTRATION CENTER
10. PARKING GARAGE #3
11. UNDERGRADUATE ARCHITECTURE BUILDING
12. SCHOOL OF COMMUNICATIONS
13. PARKING GARAGE #4
14. LIBERAL ARTS CLASSROOM BUILDING
15. NEW GEO SCIENCE BUILDING
16. NEW STUDENT UNION
17. THOMAS & MACK STORAGE ADDITION
18. DORMITORY ADDITION (PHASE 1)
19. CARLSON EDUCATION ADDITION
20. MCDERMOTT P.E. ADDITION
21. CULTURAL ARTS/BUILDING
22. HOTEL/BUSINESS ADDITION
23. PARKING GARAGE #5
24. MATH BUILDING
25. CONTINUING EDUCATION CENTER
26. PARKING GARAGE #6
27. BIOLOGICAL STUDIES BUILDING
28. FINE ARTS ADDITION
29. DORMITORY ADDITION (PHASE 2)
30. HEALTH SCIENCES ADDITION
31. CONFERENCE CENTER/HOTEL
32. ENGINEERING ADDITION
33. LAW SCHOOL COMPLEX
34. FUTURE SITE (UNDETERMINED USE)

The key for the Future Parcel Map is as follows:
P-1 NEW LIBRARY
P-2 NEW ATHLETIC FACILITIES
P-3 PARKING GARAGE #1
P-4 PARKING GARAGE #2
P-5 WRIGHT HALL ADDITION
P-6 NEW ADMINISTRATION CENTER
P-7 PARKING GARAGE #3
P-8 UNDERGRADUATE ARCHITECTURE BUILDING
P-9 SCHOOL OF COMMUNICATIONS BUILDING
P-10 PARKING GARAGE #4
P-11 LIBERAL ARTS CLASSROOM BUILDING
P-12 NEW GEO SCIENCE BUILDING
P-13 NEW STUDENT UNION BUILDING
P-14 DORMITORY ADDITION (PHASE 1)
P-15 MCDERMOTT P.E. ADDITION
P-16 CULTURAL ARTS BUILDING
P-17 HOTEL/BUSINESS SCHOOL ADDITION
P-18 PARKING GARAGE #5
P-19 PARKING GARAGE #6
P-20 MATH BUILDING
P-21 CONTINUING EDUCATION CENTER
P-22 BIOLOGICAL STUDIES BUILDING
P-23 FINE ARTS ADDITION
P-24 DORMITORY ADDITION (PHASE 2)
P-25 CONFERENCE CENTER/HOTEL
P-26 ENGINEERING ADDITION

Plate S-2
Future Parcel Map
Future parcels to be developed on campus for future building sites are indicated with a textured screen. The prefix P and following number (or numbers) indicates its priority for development based on relationship to overall improvement priorities and the sequence of development.

Location P-1 is the parcel reserved for the University's highest future priority, the design and construction of a new UNLV library. P-26 is currently the University's lowest priority for development.

Plate S-3
Future Site Acquisitions
Land parcels to be considered for future acquisitions are indicated with a textured screen. Acquisition priorities are numbered consecutively with the prefix FS. FS-1 is the highest priority and FS-8 is the lowest priority. The key for Future Site Acquisitions is as follows:

FS-1: Cottage Grove Multi-family Housing
It is the planning team's understanding that the University is currently in negotiations to acquire the property. The property can immediately provide much needed housing for married students, young faculty, visiting faculty and other guests visiting UNLV residing on a short-term residency. Long range goals provide for much needed campus expansion for future University programs and activities yet to be defined.

FS-2: Cottage Grove Apartments
This acquisition is needed for the construction of the University's second parking structure.
FS-3: Off-Campus Surface Parking
This acquisition can be obtained through a land lease from the Clark County Department of Aviation at McCarran International Airport. Development of this site will extend the demands for acquiring property along Naples Avenue for an additional parking structure, but will require implementing the first shuttle loop for tram service for campus.

FS-4: Harmon Avenue Apartments
Acquisition of this site is necessary to develop an adequate service route to the Thomas & Mack Center. It also allows a third entrance for parking at the center to develop. Additional land remaining from the acquisition allows for more growth needs for Thomas & Mack Storage and Physical Plant Services.

FS-5: Naples Development
Acquisition of this area may be developed through a land lease from the Clark County Department of Aviation at McCarran International Airport, or through a joint-venture acquisition program between the agency and the University. This site acquisition is necessary for future parking for both campus needs and Thomas & Mack activities. Remaining land from the acquisition is needed for further educational and intramural sports.

FS-6: Tropicana Plaza
Acquisition of the existing parking facilities can provide temporary space for a number of UNLV undergraduate and graduate programs. It can also be used to house a number of continuing education courses during evenings. Longer range plans utilize the space temporarily for a Law School until a permanent Law School structure can be constructed on the site.

FS-7: Paradise Elementary School
Acquisition of this site from the Clark County School District will provide a site for a new school and Conference Center to be constructed for the College of Hotel Administration. The future faculty will provide service to the University and a laboratory setting for hotel students.

FS-8: Maryland Parkway Vacant Land
The land is not yet developed and is available for sale. Acquisition of this property can be used to expand access and reduce access to parking structure #3, and provide the campus with an additionaliber along Maryland.

FS-9: Long Acres Housing
This segment of existing housing is close to campus but is seriously deteriorating. The social setting is also declining rapidly as well. Rising crime in the area provides a hazardous environment for UNLV and UNLV Campanile and Clock Tower.

Improvement Priorities Plans
A series of improvement priority plans are developed for the Master Plan indicating the phasing of new building construction and other improvements for campus for a twenty year period.

Projects are estimated to be complete within two years of design and development periods. The Improvement Priorities Plans map phase and interface building projects which can be expected to be built, followed by construction through years. Expectations for projects are indicated by text.

The key for future building projects and for other planning activities including funding incorporated with the Improvement Priorities Plans are as follows:

Year #1:
A. Generate funding and begin design/development programs for new university athletic team facilities and parking structure #1.
B. Generate funding and design development programs for widening of Harmon Avenue to interface with construction of Harmon Avenue improvements and acquisition and development of a new Power Company electrical service to campus.
C. Generate funding and acquisition programs for securing Cottage Grove Multi-family housing units and Cottage Grove apartment building.

Year #2:
A. Continue with design/development programs for new library, athletic team facilities and parking structure #1.
B. Generate funding programs for parking structure #2 and for a design/development program for a new Hydrogen Research Center (including flood control improvements associated with the building).
C. Continue with widening of Harmon Avenue and generate funding and design/development program for creation of a large easement on campus with landscaping, signage and other related amenities and improvements.
D. Continue with acquisition and development program of Nevada Power Company service to campus and coordination work relative to widening of Tropicana Avenue.

E. Develop acquisition program with Clark County Department of Aviation and funding for surface parking west of campus.

Year #3:
A. Continue with design/development programs for new library, athletic team facilities, parking structure #2 and hydrogen research facility.
B. Generate funding and design/development program for construction of addition to police facility.
C. Continue development of Harmon/Swenson entrance and Paradise Road off-campus parking and landscape edge. Generate funding for design development of University Road Mall Improvements.
D. Continue with acquisition and development program for Nevada Power Company service to campus.

Year #4:
A. Continue with design/development programs for the new library, athletic team facilities and addition to police facility.
B. Generate funding and design/development program for new student outdoor pool and food court.
C. Continue with development of University Road Mall Improvements and generate funding and design/development of program for construction of a new Wight Hall addition and new campus administration center.

Year #5:
A. Generate funding and design/development of programs for construction of a new Wight Hall addition and new campus administration center.
B. Continue with development program for outdoor pool and food court and central pedestrian entrance at Maryland Parkway and Harmon.

Year #6 through #10:
A. Continue with design/development programs for additions to Wight Hall, new administration center and administration center parking and plaza project.
B. Generate funding and design/development programs for a new undergraduate architecture building, school of communications, liberal arts classroom building, new geo-science study building, parking structures #3 and #4, new student union, bookstore and parking lot.
C. Generate funding and design/development program for construction of new administration center, plaza and parking area.
D. Continue with acquisition and development program with Nevada Power Company for service to campus.

Night Lighting and Campus Banners along Walks.

Robert A. Reiden, Inc. Research Architecture Urban Design
Enlarged Maps

Landscape Zones

Plates S-11 through S-19 are a series of enlarged drawings of the Future Campus Plan ning Map divided into 9 segments across campus. The enlarged drawings provide more detail of work to be incorporated into site improvement projects, new facilities, and landscaping.

A series of landscape zones have been created for campus to establish an overall landscape design theme as part of the master plan. Graphics indicate on the plans are symbolic only and are presented to establish a sense of magnitude of work to be developed and illustrated. More detailed information pertaining to long-range landscaping goals are described in Appendix I.

Thematic guidelines for each of the landscape zones are as follows:

Zone #1:

Landscape along the perimeter boundary of campus is perceived to be primarily developed with a formal column of drought-resistant trees integrated with existing trees and shrubbery where they occur.

Over a period of time, and on a manageable basis, perimeter turf along the boundary should be replaced with decomposed sandstone and sandstone boulders as the primary perimeter ground cover.

Berms along the boundary should be extended to shield parking from view and where possible, heightened to provide a better visual barrier.

Secondary plant material throughout zone #1 should be drought resistant, dense and spreading, flowering ground covers which remain low near the roadway and corners and more vertical in distant locations.

Zone #2:

Landscape should be incorporated into all surface parking areas. Landscaping pockets can be installed along berm front lines and between parking spaces. A minimum of one tree should be installed per six autos. All planting should be drought resistant materials installed in decomposed sandstone ground cover.

Zone #3:

Additional landscaping should be included in boundary planting areas at entrances to campus, at corners and at perimeter landmarks. Supplemental plantings should provide colorful accents. Planting should be kept to a height of 30 inches in height near intersections for driving safety. Perennial flowering materials can be augmented with seasonal flowers.

Zone #4:

Landscaping along the mall and bosque areas should be heavily landscaped with plush materials, including turf, flowering ground covers and shrubs with pockets of seasonal flowers for detail. The heart of campus should be an evergreen oasis year round. Existing malls should be detailed and tailored to be more formally landscaped. Newly developed malls should continue the detail and formality. The wide variety of plants currently being used along the malls should be reduced in number and planted with greater density.

Both the magnitude and number of formal rose gardens on campus can be increased. Each rose garden should contain a singular specimen to focus on specimen and color. Climbers or roses can be used on trellises or on porticoes and gates on campus for additional accents.

The variety of tree species, in the future, should also be reduced to create greater continuity across campus. Tree plantings should be more formalized into columns and rows to implement greater continuity.

Open turf areas in the center of campus can be mowed to create greater visual interest and comfortable slopes for seating and lounging.

Zone #5:

Landscape adjacent to campus landmarks should be distinct from other nearby planting to accent and reinforce the special quality of the area.

Zone #6:

Landscape around the outdoor festival area should be plush and developed for seating for large groups. Perimeter plantings should help define the area and provide an appropriate environment for outdoor activities and performances.

Trees and shrubs should help form windbreaks. This area can be built up and contoured to create appropriately sloped areas for outdoor seating and sightlines to the performance stage. Increased lighting for outdoor activities and personal security will be needed.

Zone #7:

A wide variety of plant materials adjacent to buildings are appropriate ways to support and accent architectural design. Material selections for each building should vary in terms of scale, color, and density. Design schemes associated with perimeter gardens for building projects should be prepared by the architect to reinforce architectural considerations.

Zone #8:

Landscape screens are designated for areas requiring wind protection. Plant materials used in these areas should be selected for their density and height. Evergreen materials are most appropriate for these locations for year round protection. Any visual screening can be incorporated by an additional layer of dense material in scotch rows.

Zone #9:

This area is reserved for the Campus Tree Farm and Nursery. Plant materials can be developed in cooperation between landscape architecture, botany, and Physical Plant to be used on campus to reduce the costs of creating new plant material for the campus plan.

Hardscape, Streetscape, and Public Art:

Articulation of these design components are important to the quality of life on campus as building design and landscape design. These elements are important functional requirements which need to be programmed and designed for construction.

Hardscape patterns should vary across campus in design, texture, materials, and color. The enlarged drawings indicate how various patterns can be integrated to create a central design theme.

Additional variety is also needed in terms of hardscape areas. Note how patterns and plant locations in malls can be articulated to create diversity. Portals, bollards, and gates can be used as metaphors to define spaces and create special campus environments.

Areas for small intimate gatherings and large groups need to be incorporated in the hardscape plan.

Streetscape elements are also important supportive design considerations for the master plan. Adequate seating, bicycle racks, lighting, security devices, barriers, flags, drinking fountains, information kiosks, and food and beverage vendors are needed for planning and design consideration.

Locations for public art are indicated on the site plans. Seating and leisure areas should be developed in conjunction with these locations. Access to power for special lighting should also be incorporated.

A special budget for public art should be considered for campus and the University Park Special Assessment District.
Campus Imagery
A series of thematic sketches have been prepared graphically to convey a number of ideas and concepts which have surfaced during development of the long range master plan. These notions range from edge treatment along Maryland Parkway to central campus, to the interaction of the new Classroom Library Mall and the east/west mall connecting Plaza Plaza and the new library complex.

One of the sketches is incorporated on the cover of this report and others are found in this text. The following is a brief description of each of the notions:

Maryland Parkway Edge
Historically, university settings were created within the confines of a protected environment, where faculty and students were secure from outside societal influences. Traditionally, campuses were walled to provide both protection and isolation.

The idea of using bollards along Maryland Parkway provides a metaphor to symbolize the sanctity of the University setting and create a distinctive identification for UNLV. The bollards help provide a screen to block the view of parked cars on campus and are equipped with night lights to illuminate the walkway and planting area.

Distinguished Faculty/Doctoral Thesis
As a focal point for the primary visitors entrance of Del Mar and Maryland Parkway, a plaza dedicated to the work of distinguished faculty and doctoral candidates envisioned.

A series of seasonal banners are envisioned to be suspended from the lighting standards along the campus walls and sidewalks to add interest to those activity areas. Design considerations can be held from time to time to create new graphics and displays.

Central Plaza Water Feature
A large fountain and water structure is envisioned for the central plaza to be constructed south of the Engineering Complex. In addition to the water feature, a series of portals are envisioned around the plaza to define the space and activity area.

A series of larger drawings follow. These drawings represent ideas for various design elements used on and around campus.

The first drawing was developed for campus monuments. These monuments are located around the perimeter of campus to symbolize entrance to the University Park District. Each monument is right-lit.

The second drawing indicates the relationship of monuments to the streets and street edge, along with street banners and light standards.

The third drawing indicates the street edge and seasonal banners and light standards along Maryland Parkway, Tropicana Avenue, Swenson, and Flamingo. Top and bottom of the light standards are painted warm gray. The central segment of the light standards is painted scarlet.

Drawing number four indicates light standards at intersections. In addition to banners, the extension arm and street name box is painted scarlet.

Drawing five indicates the campus banners developed for light standards along the campus malls and walks.