

DEPARTMENT OF  
**PARKS AND RECREATION**  
COUNTY OF MAUI

1580-C Kaahumanu Avenue, Wailuku, Hawaii 96793

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RECEIVED

August 25, 1997

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OFFICE OF ENVIRONMENTAL  
QUALITY CONTROL

Mr. Gary Gill  
Director  
Office of Environmental Quality Control  
235 South Beretania Street, Suite 702  
Honolulu, Hawaii 96813

RE: War Memorial Stadium Renovations

Dear Mr. Gill:

The County of Maui Department of Parks and Recreation has reviewed the comments received during the 30-day public comment period for the Draft Environmental Assessment which began on July 8, 1997. The agency has determined that the subject project will not have significant environmental effects and has issued a finding of no significant impact. Please publish this notice in the September 8, 1997 edition of "The Environmental Notice".

We have enclosed a completed OEQC Bulletin Publication Form and four (4) copies of the Final EA.

Please contact me if you have any questions.

Sincerely,

HENRY OLIVA  
Director

HO:to  
Enclosures  
com/stadium/oeqctr.002

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1997-09-08-MA- FEA- Maui War  
Memorial Stadium Renovations

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QUALITY CONTROL

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## ***Final Environmental Assessment***

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### **War Memorial Stadium Renovations Wailuku, Hawaii**

Prepared for:

August 1997

County of Maui,  
Department of Parks  
and Recreation



***Final Environmental  
Assessment***

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**War Memorial Stadium  
Renovations  
Wailuku, Hawaii**

**Prepared for:**

**August 1997**

**County of Maui,  
Department of Parks  
and Recreation**



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Preface

The proposing agency, the County of Maui, Department of Parks and Recreation, proposes renovations to the War Memorial Stadium located in Wailuku, Maui, Hawaii (TMK 3-8-7:por.4, por.55). Pursuant to Chapter 343, Hawaii Revised Statutes, and Chapter 200 of Title 11, Hawaii Administrative Rules, this Environmental Assessment documents the project's technical characteristics, environmental impacts and alternatives, and advances findings and conclusions relative to the significance of the project.

# ***Chapter 1***

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## ***Project Overview***

## **I. PROJECT OVERVIEW**

### **A. PROPERTY LOCATION, EXISTING USE, AND LAND OWNERSHIP**

The County of Maui, Department of Parks and Recreation, proposes to renovate the War Memorial Stadium located in Wailuku, Maui, Hawaii (TMK 3-8-7:por. 4, por.55). See Figure 1.

The War Memorial Stadium is currently utilized for football, soccer and track events as well as special events. It is the main football venue within the County. High school varsity and junior varsity football, as well as semi-professional and other exhibition games, are played in this stadium. Soccer as well as track and field events are held in the stadium. The facility is also utilized for non-sporting special events on an intermittent basis. During non-event daylight hours, the facility is also utilized as a jogging track.

The facility seating capacity is approximately 6,600, with approximately 4,400 seats on the west sideline and 2,200 seats on the east sideline.

The County of Maui is the owner of the subject property.

### **B. PROPOSED ACTION**

The proposed stadium renovations are to accommodate the annual Hula Bowl, a collegiate all-star football game played during the month of January.

Approximately 10,000 permanent bleacher seats are proposed to be added to the stadium. A curved section of bleachers extends from the existing east sideline seats to a portion of the south end zone. Another segment of bleachers extend from the existing east sideline bleachers to the north end zone. See Figure 2.

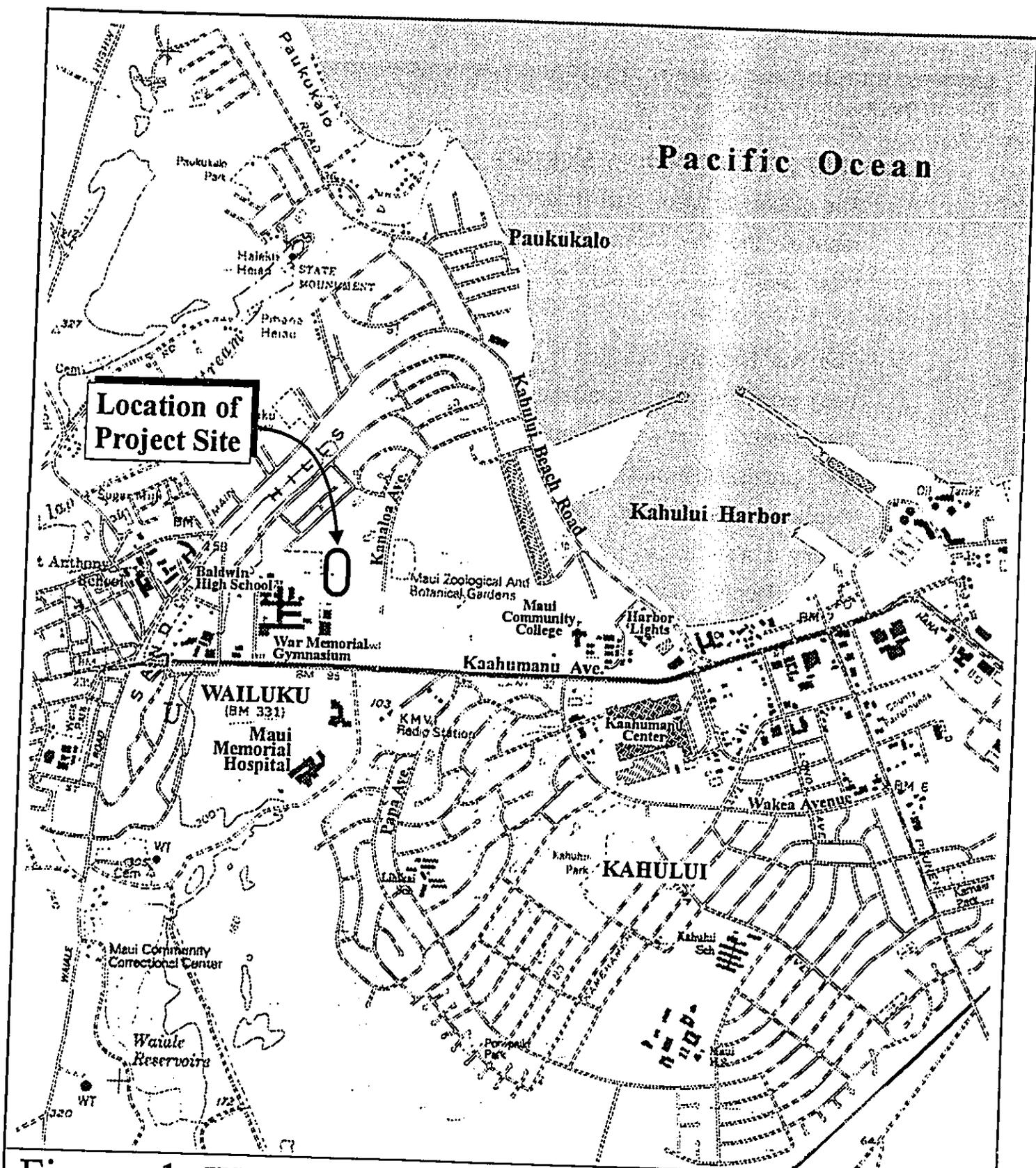
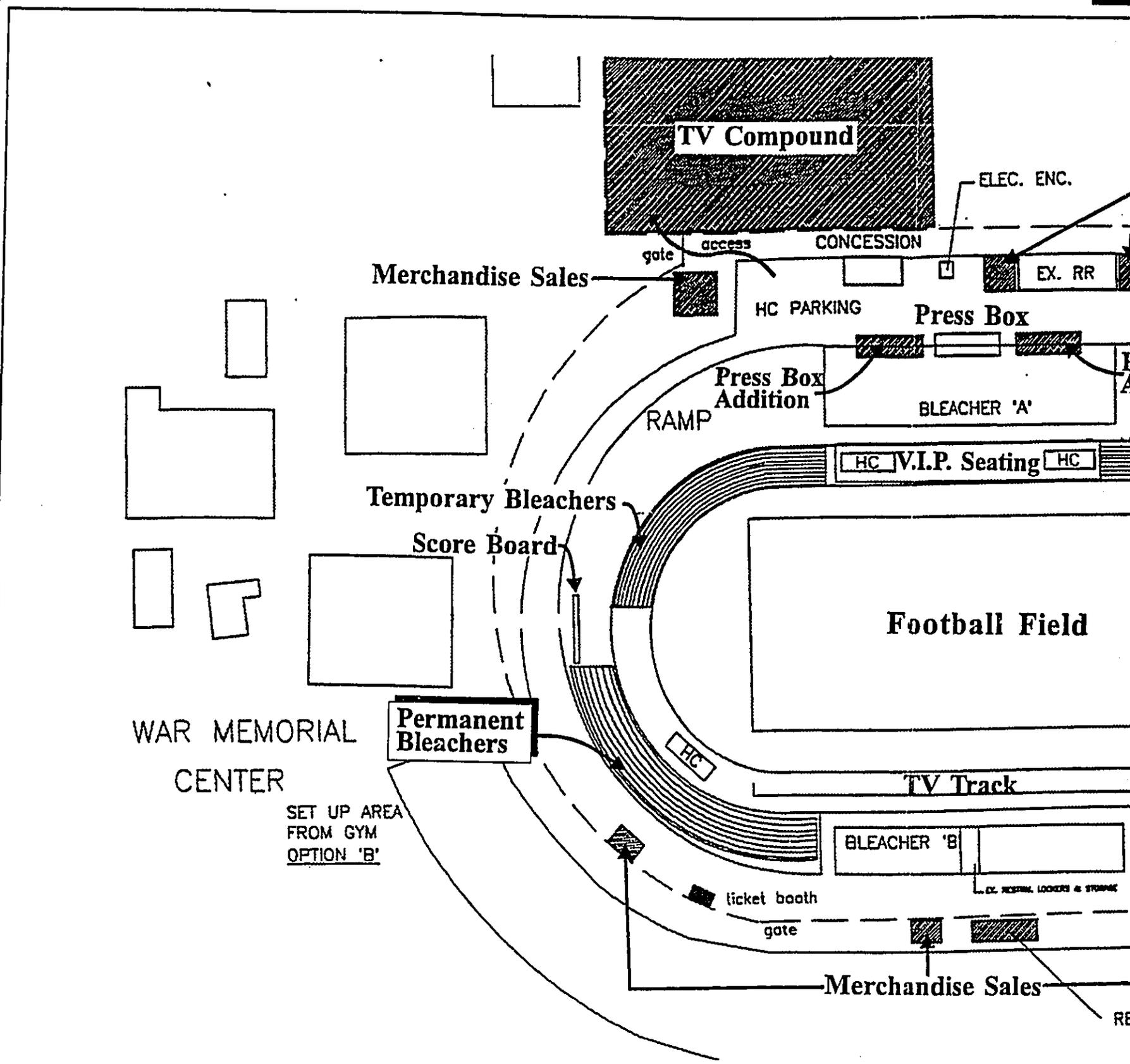


Figure 1 War Memorial Stadium Renovations  
Regional Location Map



Prepared for: County of Maui, Department of Parks and Recreation





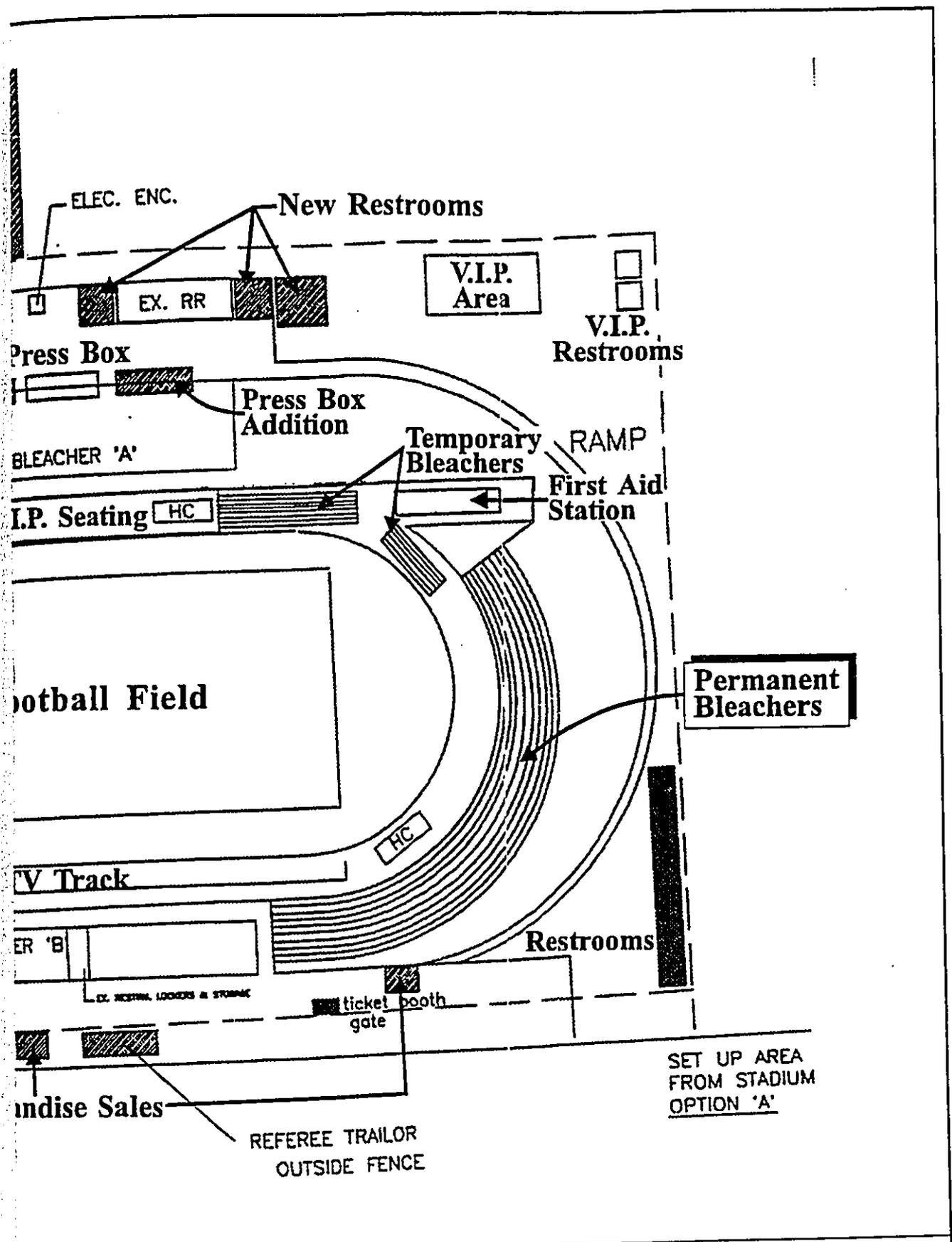
Source: Chris Hart & Partners

Figure 2

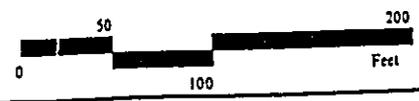
War Memorial Stadium Renovation  
Concept Plan



Prepared for: County of Maui, Dept. of Parks and Recreation



Stadium Renovations  
Plan



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In addition, there are 2,400 temporary bleacher seats proposed to be erected specifically for the Hula Bowl. These temporary bleachers are proposed to be located on the existing track from the south end zone extending to a portion of the west sideline. The additional bleacher seats extend to the point so as not to block any views of the field from the existing west sideline bleachers. In front of the existing west-sideline bleachers is V.I.P. seating. Another set of temporary bleachers extend along the existing track from the V.I.P. seating to the north end zone.

The permanent bleacher structures are proposed on areas which are currently grassed. The temporary bleachers and V.I.P. seating are proposed to be located on the existing track. Protective planks or coverings are proposed to be placed on the existing track prior to erection of the bleacher structures. After the Hula Bowl, the temporary bleachers and V.I.P. seating are proposed to be removed. However, the temporary bleachers and V.I.P. seating may also be set up on an as needed basis in the future as well. Permanent and temporary bleacher heights are not anticipated to exceed 30 feet. See Figure 3.

Temporary restroom facilities are being proposed along the northeast portion of the stadium property. Additions are proposed to the existing restroom facilities along the western boundary of the property. A V.I.P. area and V.I.P. restrooms are proposed at the northwest corner of the property. Two (2) new temporary pressbox facilities, located on both sides of the existing pressbox, are proposed. Each of the new pressbox facilities cover approximately 1,000 square feet in area. Temporary merchandise sales structures are proposed to be erected for the Hula Bowl along the west and eastern portions of the stadium boundary. Finally, a temporary television compound area for the Hula Bowl is proposed on the adjacent Baldwin High School property (TMK 3-8-

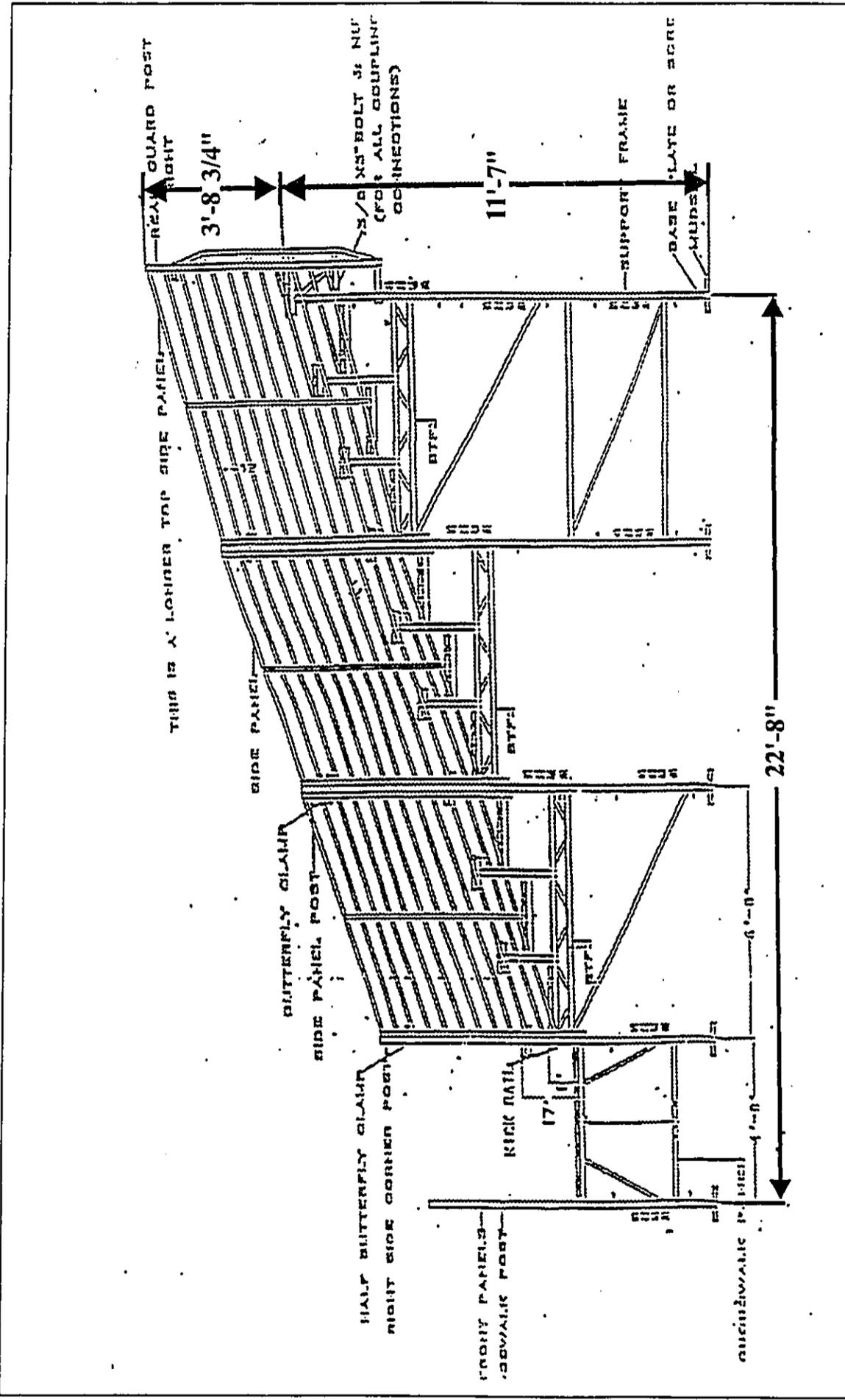


Figure 3 War Memorial Stadium Renovations  
 Partial Typical Elevated Bleacher Elevations



Prepared for: County of Maui, Dept. of Parks and Recreation

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1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

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7:por.4). This involves vehicular containers transported to the adjacent site through the stadium property.

Construction is anticipated to begin in September 1997 with completion by January 1998. Estimated construction cost is \$1.2 million.

With regard to impacts on existing users of the stadium facility, efforts have been and will continue to be made to accommodate all existing users to the greatest extent practicable. However, the Hula Bowl represents an additional user which needs to be taken into consideration. While youth and school sporting events would also be able to utilize the improved facility, it may not be available to the same extent that it has in the past during the weeks preceding the Hula Bowl. The proposing agency has worked and will continue to work with existing users in assisting with arrangements for accommodations relating to specific events.

# **Chapter II**

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**Description of the  
Existing Environment**

## **II. DESCRIPTION OF THE EXISTING ENVIRONMENT**

### **A. PHYSICAL ENVIRONMENT**

#### **1. Surrounding Land Uses**

The project area is located in the Wailuku-Kahului area. Wailuku is the seat of government within the County. Wailuku is located on the foothills of the West Maui Mountains containing a diverse range of commercial, light industrial, and public uses, as well as older established residential areas. Kahului includes the Island's only deep water port and the second busiest airport in the State. With its proximity to Kahului Harbor and the Airport, the Kahului region contains a variety of heavy industrial, light industrial, and commercial wholesale and retail activities and services. Three major shopping areas, the Kaahumanu Center, Maui Mall and the Kahului Shopping Center, are located in proximity to the project site.

The War Memorial Stadium is located in the midst of an existing complex of recreational and educational uses. To the west of the stadium is Baldwin High School. To the south are the War Memorial Gymnasium and Swimming Pool Complex as well as Little League baseball fields. To the east, across Kanaloa Avenue, are the Maui Botanical Gardens, the recently approved Maui Central Park and Maui Community College. To the north is the Iron Maehara Baseball Stadium.

#### **2. Climate**

Like most areas of Hawaii, Maui's climate is relatively uniform year round. Characteristic of Hawaii's climate, the project area experiences mild and uniform temperatures, moderate humidity and relatively consistent tradewinds. Variations in the Island's climate

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are largely left to local terrain.

Average temperatures in the project area (based on temperatures recorded at Kahului Airport) range from the low 60s to the high 80s. August is historically the warmest month, while January and February are the coolest. Rainfall in the project area averages approximately 20 inches per year. Winds in the Kahului region are predominantly out of the north and northeast. When the trades are blowing, portions of the project site near the shoreline experience brisk winds with velocity decreasing further inland.

3. **Topography and Soil Characteristics**

The track surface of the stadium field is generally flat although the bleachers along the west sideline slope up to the pressbox area. The existing elevation of the field area is approximately 84 feet above sea level while the elevation near the pressbox is approximately 110 feet above sea level.

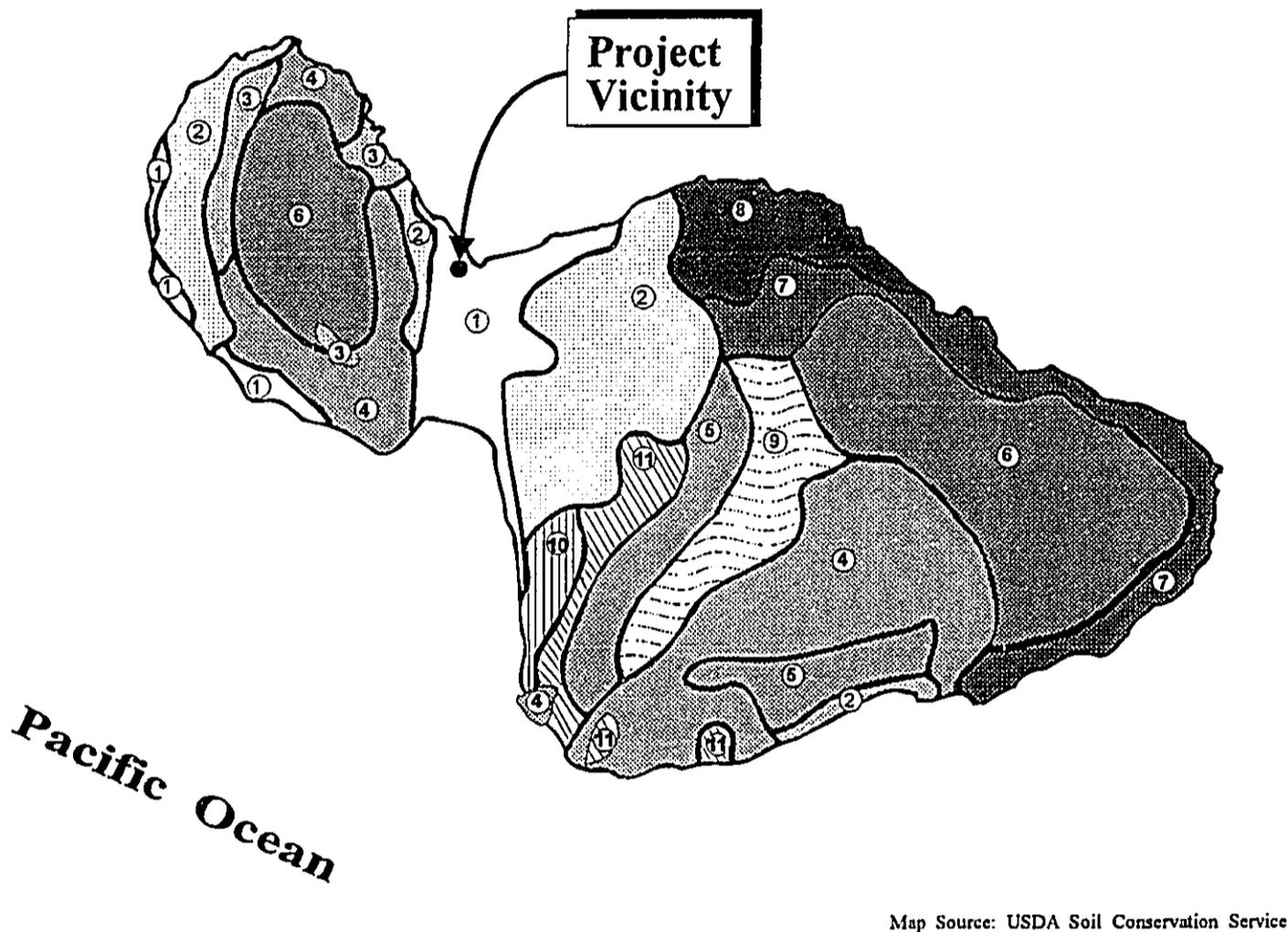
Underlying the project site and surrounding lands are soils belonging to the Pulehu-Ewa-Jaucas association. See Figure 4. This soil association is characteristically deep and well-drained and located on alluvial fans and basins. The soil type specific to the project area is of the Puuone Sand classification (PZUE). See Figure 5. PZUE soils are predominant in the Kahului region and are typified by a sandy layer and a cemented sand underlayment. Vegetation associated with this series include bermuda grass, kiawe, and lantana.

4. **Flood and Tsunami Hazard**

The project area is situated within lands that are designated Zone

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| <ul style="list-style-type: none"> <li><span style="border: 1px solid black; padding: 2px;">①</span> Pulehu-Ewa-Jaucas association</li> <li><span style="border: 1px solid black; padding: 2px;">②</span> Waiakou-Keahua-Molokai association</li> <li><span style="border: 1px solid black; padding: 2px;">③</span> Honolua-Olelo association</li> <li><span style="border: 1px solid black; padding: 2px;">④</span> Rock land-Rough mountainous land association</li> <li><span style="border: 1px solid black; padding: 2px;">⑥</span> Puu Pa-Kula-Pane association</li> <li><span style="border: 1px solid black; padding: 2px;">⑥</span> Hydrandepts-Tropaquods association</li> </ul> | <ul style="list-style-type: none"> <li><span style="border: 1px solid black; padding: 2px;">⑦</span> Hana-Makaalae-Kailua association</li> <li><span style="border: 1px solid black; padding: 2px;">⑧</span> Pauwela-Haiku association</li> <li><span style="border: 1px solid black; padding: 2px;">⑨</span> Laumaia-Kaipoi-Olinda association</li> <li><span style="border: 1px solid black; padding: 2px;">⑩</span> Keawakapu-Makena association</li> <li><span style="border: 1px solid black; padding: 2px;">⑪</span> Kamaole-Oanapuka association</li> </ul> |
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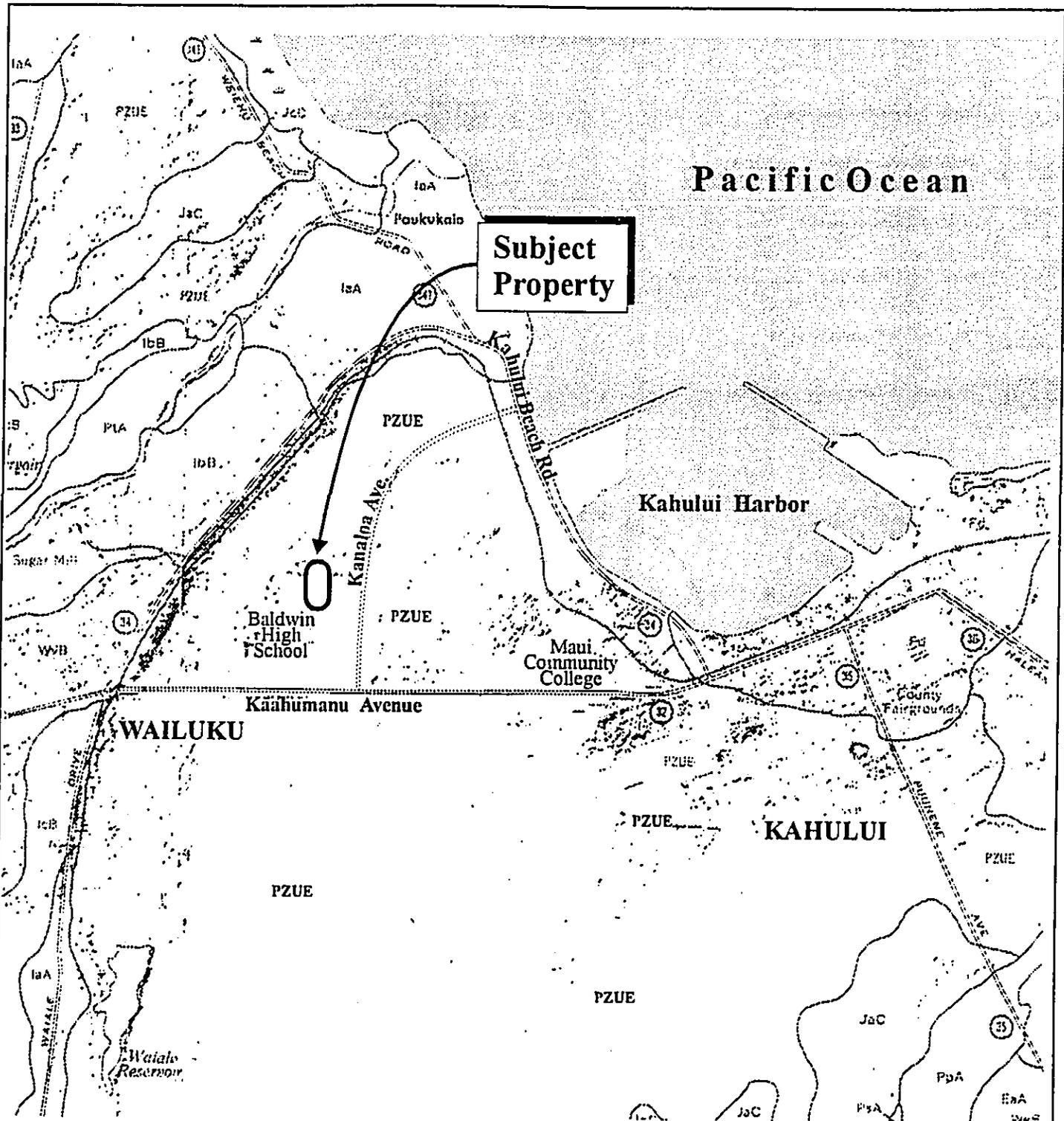


**Figure 4 War Memorial Stadium Renovations**  
Soil Association Map



Prepared for: County of Maui, Department of Parks and Recreation

NOT TO SCALE



Source: U.S. Soil Conservation Service

**Figure 5 War Memorial Stadium Renovations  
Soils Classifications Map**



Prepared for: County of Maui, Department of Parks and Recreation

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"C" by the Flood Insurance Rate Map. Zone "C" is an area of minimal flooding.

5. **Flora and Fauna**

The stadium site is located within the existing War Memorial Complex. Thus, the undeveloped portions of the stadium site are irrigated and maintained on a regular basis by the County of Maui. Vegetated areas affected within the stadium include grassed areas adjacent to the existing track.

The proposed TV compound area is located adjacent to basketball courts on the Baldwin High School campus. This area is vegetated primarily with kiawe, koa haole and various exotic grasses.

Fauna and avifauna that are found in the vicinity of the project area are typical of Wailuku's urban setting. Fauna typically found in the vicinity include mongoose, cats, dogs and rats. Avifauna typically include mynas, several types of doves, house sparrows, and francolin.

6. **Archaeological Resources**

There are no surface archaeological features located within the stadium site. The stadium site is located in an already disturbed and developed area. The TV compound area has also been altered over the years by school structures and farming activities. The proposed project is not likely to contain or affect any archaeological resources of significance.

7. **Air Quality**

Air quality in the Wailuku-Kahului region is considered good as

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point sources (e.g., Maui Electric Power Plant, HC&S Mill) and non-point sources (e.g., automobile emissions) of emission do not generate high concentrations of pollutants. The relatively high quality of air can also be attributed to the region's constant exposure to winds which quickly disperse concentrations of emissions. This rapid dispersion is evident during sugar cane burning operations in fields southeast of Kahului's residential district.

8. Noise

Traffic noise generated by vehicles traveling along Kanaloa Avenue is a source of background noise in the vicinity of the project. Another noise source is the recreational activity from the Iron Maehara Baseball Stadium, War Memorial Little League fields, and War Memorial gym, tennis courts and swimming pool. To the east, Kahului Harbor operations occasionally add to the background noise level in the surrounding region.

9. Scenic and Open Space Resources

Scenic resources to the west of the project area include Iao Valley and the West Maui Mountains. Looking southeast, Haleakala is clearly visible. To the east, lies Kahului Harbor and the Pacific Ocean.

B. SOCIO-ECONOMIC ENVIRONMENT

1. Population

The population of the County of Maui has exhibited relatively strong growth over the past decade with the 1990 resident population of 100,374, a 41.7 percent increase over the 1980 population of 70,847 (State of Hawaii Data Book, 1992). Growth in the County

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is expected to continue, with resident population projections to the years 2000 and 2010 estimated to be 112,349 and 133,459, respectively (Community Resources, Inc., January 1994).

The Wailuku-Kahului Community Plan region is anticipated to follow the Countywide pattern of population growth, with the region's 1990 population of 32,816 expected to rise to 40,452 by the year 2000 and to 48,132 by the year 2010 (Community Resources, Inc., January 1994).

2. **Economy**

The Kahului region is the Island's center of commerce. Combined with neighboring Wailuku, the region's economic character encompasses a broad range of commercial, service, and governmental activities. In addition, the region is surrounded by agricultural lands which include macadamia nut orchards and sugar cane and pineapple fields. This vast expanse of agricultural land, managed by Hawaiian Commercial & Sugar (HC&S) and Wailuku Agribusiness, is considered a key component of the local economy.

C. **PUBLIC SERVICES**

1. **Recreational Facilities**

The Wailuku-Kahului region provides a range of recreational opportunities, including shoreline and boating activities at Kahului Harbor and nearby beach parks, and individual and organized athletic activities available at numerous County parks. The War Memorial complex includes an Olympic-sized swimming pool, locker room, a gymnasium, five (5) Little League baseball fields, a practice soccer field, tennis courts, sumo ring, baseball stadium, as well as the football stadium. The project area is in close proximity

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to County facilities such as Keopuolani Park (currently under construction and formerly called Maui Central Park), Kahului Community Center and Kanaha Beach Park, as well as Iao Valley State Park.

2. **Police and Fire Protection**

Police protection for the Wailuku-Kahului region is provided by the Maui Police Department's (MPD) headquarters in Wailuku, across Kaahumanu Avenue from the project site. The region is served by the MPD's Wailuku patrol division.

Fire prevention, suppression, and protection services for the Wailuku-Kahului region are provided by the Maui Fire Department's (MFD) Wailuku Station, located approximately 1.0 mile from the project site. In addition, the MFD's new Kahului Station (located on Dairy Road), is approximately 3.0 miles from the project site.

3. **Solid Waste**

Single-family residential solid waste collection service is provided by the County of Maui on a once-a-week basis. Residential solid waste collected by County crews is transported to the County's 55-acre Central Maui Landfill, located four (4) miles southeast of the Kahului Airport. The Central Maui Landfill also accepts commercial waste from private collection companies.

4. **Health Care**

Maui Memorial Hospital, the Island's only major medical facility, also services the Wailuku-Kahului region. Acute, general and emergency care services are provided by the 185-bed facility. In addition, numerous privately operated medical/dental clinics and

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offices are located in the area to serve the region's residents.

5. **Schools**

The Wailuku-Kahului region is served by the State Department of Education's (DOE) public school system as well as several privately operated schools. DOE facilities in the Kahului area include Lihikai and Kahului Schools (Grades K-5), Maui Waena Intermediate School (Grades 6-8), and Maui High School (Grades 9-12). Existing facilities in the Wailuku area include Wailuku Elementary School (Grades K-5), Iao Intermediate School (Grades 6-8), and Baldwin High School (Grades 9-12). Maui Community College, a branch of the University of Hawaii, serves as the Island's only higher education facility.

D. **INFRASTRUCTURE**

1. **Roadways**

Kaahumanu Avenue and Kahului Beach Road are the major roadways linking Kahului with Wailuku. These roadways are heavily utilized during the peak commuter traffic hours. Kanaloa Avenue provides a cross link between Kaahumanu Avenue and Kahului Beach Road.

Kaahumanu Avenue is a four- to six-lane divided urban arterial roadway generally oriented in the east-west direction. The traffic signal system on Kaahumanu Avenue is coordinated between Wharf Street on the east and Mahalani Street/Kanaloa Avenue on the west by an on-street master controller. The posted speed on Kaahumanu Avenue, in the project vicinity, is 45 miles per hour.

The intersection of Kaahumanu Avenue and Mahalani

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Street/Kanaloa Avenue is controlled by a traffic signal system. Kaahumanu Avenue at this intersection has exclusive left-turn lanes to southbound Mahalani Street and northbound Kanaloa Avenue. Right-turn deceleration and acceleration lanes on westbound and eastbound Kaahumanu Avenue are provided. The southbound Kanaloa Avenue approach consists of three lanes: an exclusive left-turn lane, an optional left-turn/through lane, and an exclusive right-turn lane to westbound Kaahumanu Avenue. There is an optional left-turn/through lane and an exclusive right-turn lane on the northbound Mahalani Street approach. This intersection is controlled by a six-phase traffic signal system with protected/permissive left-turn movements on Kaahumanu Avenue.

The intersection of Kaahumanu Avenue and Papa Avenue is a signalized intersection. The eastbound approach on Kaahumanu Avenue has an exclusive left-turn lane, two (2) through lanes, and a right-turn deceleration lane to southbound Papa Avenue. The westbound approach of Kaahumanu Avenue has an exclusive left-turn lane and two (2) through lanes. The northbound Papa Avenue approach has an exclusive left-turn and a shared left, through and right-turn lane. An acceleration lane is provided on Kaahumanu Avenue for the right-turn movement from northbound Papa Avenue to eastbound Kaahumanu Avenue. The southbound approach of Papa Avenue has one (1) lane for the left-turn, through and right-turn movements. This intersection is controlled by a three (3) phase traffic signal system with protected/permissible left-turn movements on Kaahumanu Avenue.

2. Wastewater

Domestic wastewater generated in the Wailuku-Kahului region is

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conveyed to the County's Wailuku-Kahului Wastewater Reclamation Facility located one-half mile south of Kahului Harbor. The design capacity of the facility is 7.9 million gallons per day (mgd). Average daily flow currently processed through the plant is approximately 6.45 mgd (telephone conversation with Dave Taylor, Wastewater Reclamation Division, July 1996).

3. **Water**

The Wailuku-Kahului region is served by the Board of Water Supply's (BWS) domestic water system. Water drawn from the Iao Aquifer System is conveyed to this region for distribution and consumption. The Iao Aquifer, which serves the Central Maui region, has an estimated sustainable yield of 20 mgd.

4. **Drainage**

The existing underground drainage system for the War Memorial Stadium consists of drain inlets, interceptor ditches and underground piping. Stormwater leaves the stadium through a 30 inch drainline which outlets into a swale on the east side of Kanaloa Avenue.

# ***Chapter III***

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## ***Potential Impacts and Mitigation Measures***

### **III. POTENTIAL IMPACTS AND MITIGATION MEASURES**

#### **A. PHYSICAL ENVIRONMENT**

##### **1. Surrounding Land Uses**

The proposed stadium renovation expands an already existing use and is located within an area of predominantly recreational, educational, and public uses. Adjacent to the subject football stadium within the War Memorial Complex are a baseball stadium, five (5) Little League fields, tennis courts, sumo ring, Olympic swimming pool, and a basketball gymnasium. The Maui Family YMCA is located across Kanaloa Avenue and provides numerous recreational programs delving into such areas as swimming, aerobics, handball, and racquetball. The Maui Botanical Garden and Central Maui Youth Center also provide opportunities for recreational endeavors. The County of Maui is also proceeding with the new Keopuolani Park, a regional recreational facility, which extends into lands makai of the YMCA, Botanical Garden and Youth Center. Closer to Kahului Beach Road, the Maui Arts and Cultural Center (MACC) hosts a number of cultural and performing arts events. Maui Community College, a branch of the University of Hawaii campus, is located adjacent to MACC.

Baldwin High School is located to the west of the War Memorial Center Complex. The Sand Hills residential area is located to the north of the stadium area. Further to the south of the War Memorial Complex is the Police Station and the Maui Memorial Hospital.

The proposed project is not anticipated to have an adverse effect on surrounding land uses and activities.

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2. **Topography**

The topography of the existing stadium will not be altered. The permanent bleacher structures will be anchored onto proposed concrete footings. Other structures will be constructed at existing grade. The TV compound area will be grubbed. Gravel is intended to be placed on the existing ground surface for the TV containers.

3. **Flora and Fauna**

Vegetated areas affected by the project consist of exotic species. There are no wetlands found on the site.

As previously noted, fauna and avifauna found in the vicinity are typical of the Wailuku-Kahului urban area. The proposed project is not anticipated to have an adverse impact upon these environmental features.

4. **Archaeological Resources**

The stadium site is located in a previously utilized and developed area which has been in urban use since the mid-1960's. Thus, it is not likely to contain any significant archaeological or historical materials.

In the area of the proposed television compound, the present ground surface is overgrown with grass and trees. As recommended by the State Historic Preservation Division, on-site monitoring of the initial ground-altering work will be conducted.

Should any human remains or significant cultural materials be found during construction of the project, the State Historic

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Preservation Division will be notified and appropriate mitigation measures taken.

5. **Air Quality and Noise**

Air quality impacts attributed to the project will include dust generated by short-term construction-related activities. Concrete footings for the north end zone and east sideline bleachers needs to be constructed. Site work may create some air borne particulates. Dust control measures, such as regular watering and sprinkling, will be implemented to minimize wind-blown emissions.

In the long term, additional automobile traffic due to the project would generate additional emissions. However, any additional emissions attributable to the project are likely to be of brief duration. The proposed project is not anticipated to be detrimental to local air quality.

Ambient noise conditions will also be temporarily impacted by construction activities. Construction equipment would be the dominant source of noise during the construction period. Construction activities are anticipated to be limited to daylight working hours to the greatest extent possible.

In general, the project will not result in significant additional long-term noise impacts. Crowd noise resulting from stadium usage could increase as a result of the increase in the stadium capacity. However, should such increases occur, these would be temporary and limited to brief instances during the time of the event.

The duration of traffic noise associated with each event may

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lengthen due to the potential increase in the number of automobiles carrying people travelling to and from a stadium event. However, additional traffic noise would be of a temporary nature and is not expected to adversely affect surrounding areas.

6. **Scenic and Open Space Resources**

The proposed project will not adversely affect the scenic and visual character of the area. The stadium is an existing use. The new bleachers will not exceed 30 feet in height and will not encroach into view corridors.

B. **SOCIO-ECONOMIC ENVIRONMENT AND PUBLIC SERVICES**

1. **Population and the Local Economy**

On a short-term basis, the project will support construction and construction-related employment. Accordingly, the project will have a beneficial impact on the local economy during the period of construction.

With the Hula Bowl being played during mid-January 1998, there will be direct and indirect economic benefits. In addition, the game will be nationally televised which significantly broadens exposure and enhances marketing opportunities for the visitor industry. These benefits may translate into increased revenue for tourist-related businesses in the long term.

The proposed project is not anticipated to have an adverse impact upon population parameters. In the long term, the project will provide an enhanced facility for the existing users of the facility.

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2. **Police, Fire, and Medical Services**

Police, fire and medical services are not expected to be adversely impacted by the proposed project. It is noted that additional police personnel are expected to be used for traffic control. However, requirements for such services are temporary and are not considered a burden to overall departmental operations. The project will not extend existing service area limits for emergency services. During peak usage of the stadium facility, no parking will be allowed on the shoulders of major thoroughfares to allow for emergency access.

3. **Solid Waste**

A solid waste management plan will be developed in coordination with the Solid Waste Division of the County Department of Public Works and Waste Management (DPWWM) for the disposal of clearing and grubbing material during construction. To the extent practicable, green waste will be recycled and reused. Other recycling programs will be designed and implemented for products generated during usage of the stadium.

C. **INFRASTRUCTURE**

1. **Traffic and Parking**

A traffic assessment was done for the subject project. See Appendix A. The assessment notes that special events, such as sporting events, attract large numbers of spectators who arrive as close to the starting time as possible commensurate with the ease of getting to the site. Generally, the volume of traffic generated by such an event exceeds the ability of the road system, in the vicinity of the event, to handle the demand. The result is traffic congestion in varying degrees, depending on the traffic demand. The existing

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road system generally is not capable of handling the short-duration high-volume traffic. It is not cost effective, nor economically justified, to provide additional roadway capacity to accommodate special event generated traffic. Therefore, varying degrees of traffic congestion (delay) are to be expected during the period from two (2) hours before the beginning of the event to approximately 15 minutes after the scheduled start of the event. It is also expected that traffic congestion will occur for a period of one (1) hour to 1.5 hours after the conclusion of the event.

The degree of traffic congestion is dependent upon the attractiveness of the event and availability of mitigative measures to reduce the vehicular demand or temporarily increase roadway capacities.

Various mitigative measures are recommended in order to reduce the possible congestion which may occur. These recommendations are:

1. Ban on-street parking on Kanaloa Avenue and on Kaahumanu Avenue.
2. Station police officers to observe/direct traffic at key intersections.
  - Kaahumanu Avenue at Kanaloa Avenue
  - Kaahumanu Avenue at Papa Avenue
  - Kaahumanu Avenue at Kahului Beach Road
  - Kaahumanu Avenue at Puunene Avenue
  - Kahului Beach Road at Kanaloa Avenue
  - High Street at E. Main Street
  - Honoapiilani Highway at Kehalani Parkway (private road)
  - Hana Highway at Dairy Road
  - Kanaloa Avenue at Stadium entrance
  - Kahului Beach Road at Kaihee Place (MCC)
  - Kahului Beach Road at MACC road

- 
- Kuihelani Highway at Puunene Avenue
  - Kahului Beach Road at Waiehu Beach Road
  - Lower Main Street at Mill Street
3. Encourage the use of express bus service for Lahaina, Kihei and Upcountry residents. Use local school parking lots as pick-up points.
  4. Obtain permission for public use of Kehalani Parkway, if it is not dedicated to the County by game day.
  5. Implement a public information program prior to game day to inform the public of the locations of public parking lots.
  6. Adjust traffic signals prior to game time to expedite traffic movement at the intersections of:
    - Kaahumanu Highway and Puunene Avenue
    - Kahului Beach Road at Waiehu Beach Road
    - Hana Highway at Dairy Road
  7. In Honolulu, "tailgating" (pre- and post-game activities) is an integral part of University of Hawaii, Aloha Bowl and Pro Bowl football games. This may become a popular practice for the Hula Bowl. Under such circumstances, parking lots may have to be opened about three (3) hours before and two (2) hours after the game. Security services may have to be available in that event.
  8. Provide shuttle bus service for attendees parking in the MCC and MACC parking areas.
  9. Ban left turns from Kahului-bound Kaahumanu Highway at Kanaloa Avenue from about two (2) hours prior to kick-off time to about one (1) hour after the game ends. Entrance to the stadium parking areas should be from the Kahului Beach Road/Kanaloa Avenue intersection.

Permit left turns at all times from Wailuku-bound Kaahumanu Highway into Mahalani Street because of

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the medical facilities and police station on this street.

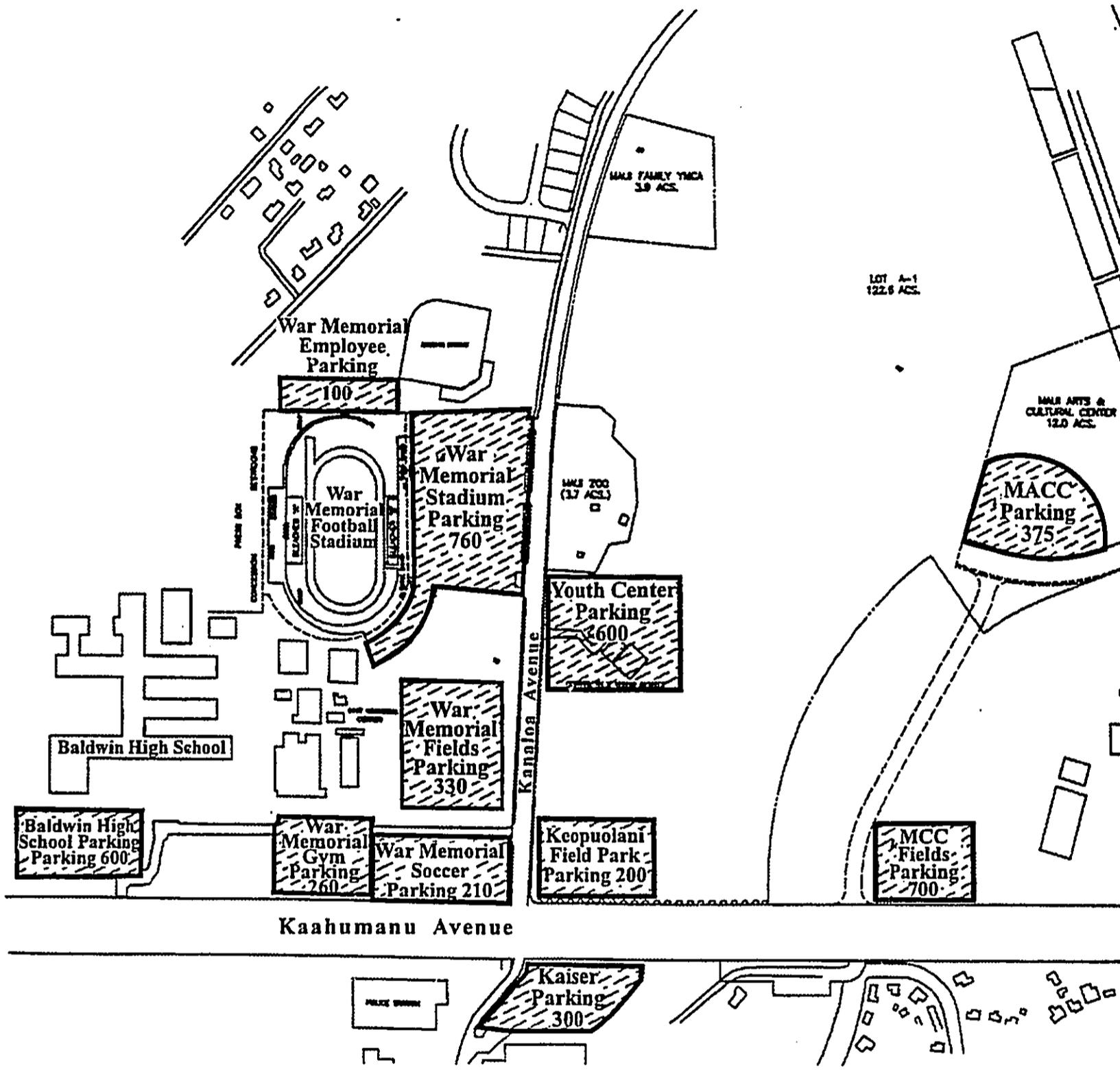
10. Ban left turns from Kahului-bound Kaahumanu Highway at Kahului Beach Road from about two (2) hours prior to kick-off time to about one (1) hour after the game starts. Entrance to the stadium parking areas should be from Kahului Beach Road.

With regard to parking, the existing stadium parking lot holds approximately 760 parking stalls. With 12,400 additional permanent and temporary seats, parking for the project will be accommodated primarily on the subject parcel and adjacent parcels. The Maui County Code requires one parking stall for every six (6) seats. With the additional seating, 2,067 parking stalls are required.

Since the County owns the entire War Memorial Complex, the use of other portions of the War Memorial Center can be controlled when there are events which would exceed the current 6,600 seat capacity of the stadium. Accordingly, parking at other portions of the War Memorial Center parcel could be utilized for peak events at the stadium.

This includes the 260 stall parking lot adjacent to the War Memorial Gym. See Figure 6. Other on-site parking for peak events include approximately 330 stalls which could be made available on the War Memorial Little League grassed areas. An additional 210 stalls could be accommodated on the practice soccer field at the corner of Kanaloa and Kaahumanu Avenues. The total additional on-site parking equals 800 stalls.

Off-site stalls for peak events also include 600 stalls at Baldwin



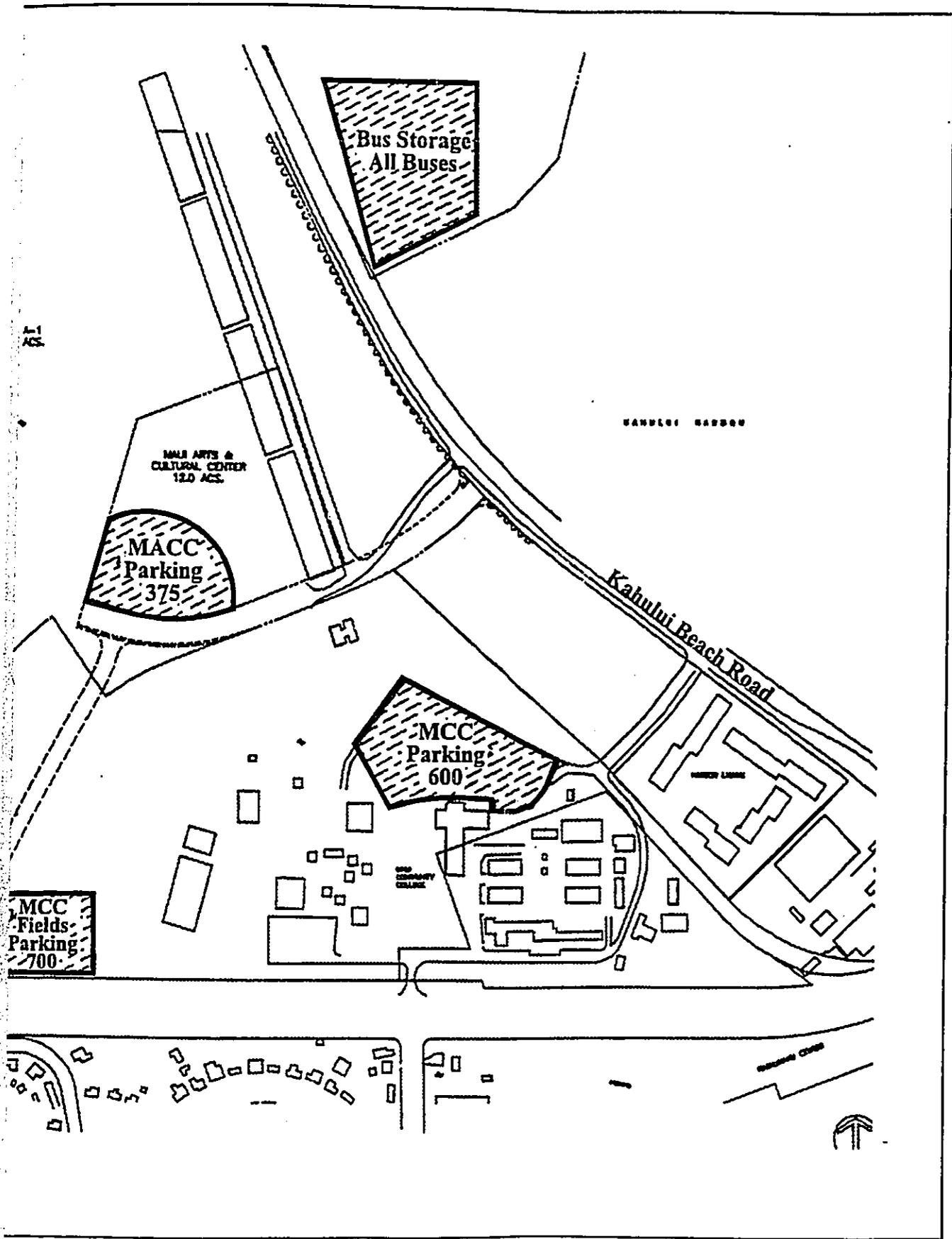
Source: Chris Hart & Partners

Figure 6

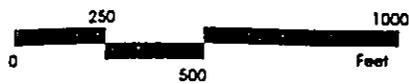
War Memorial Stadium Renovation  
Proposed Peak Parking Plan



Prepared for: County of Maui, Dept. of Parks and Recreation



Stadium Renovations  
 Parking Plan



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High School, 300 stalls at the Kaiser Clinic, 600 stalls at the Central Maui Youth Center, 200 stalls on the Keopuolani Park multi-purpose field and 100 stalls which could be made available as employee parking in the existing grassed area immediately to the north of the football stadium. The total number of off-site parking on adjacent lots equals 1,800 stalls.

Of the total off-site stalls available, it is important to note that the County owns land at the Central Maui Youth Center, Keopuolani Park, and the land north of the stadium. Thus, uses at these properties could also be temporarily limited to allow for peak event parking availability for the stadium.

The Maui County Code states that required off-street parking be located on the same lot it serves or within a distance of 400 feet of the nearest point of the lot and as approved by the Maui Planning Commission. All of the above-noted off-site stalls are within 400 feet of the War Memorial Stadium lot. The County of Maui intends to seek Commission approval for the off-site parking plan.

The additional on-site parking and off-site parking within 400 feet of the War Memorial Stadium lot total 2,600 stalls. This total would exceed the required parking for additional permanent and temporary seating.

In addition, there are other parking areas located beyond 400 feet from the War Memorial Stadium lot which are available for use in peak events. These areas include 700 stalls at the Maui Community College fields at the corner of Kaahumanu and Papa Avenues, 375 stalls at the Maui Arts and Cultural Center, and 600

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stalls at the MCC parking lot. The peninsula adjacent to Kahului Beach Road may also be utilized for bus parking.

2. Water

Average water demand for an additional 12,240 people for a peak event is calculated to be approximately 370,000 gpd.

However, the calculated water demand will likely greatly exceed actual usage. Special events which exceed the existing 6,600 seat capacity of the stadium are relatively rare. During the great majority of a typical year, the stadium remains empty or within the 6,600 seat capacity. Thus, additional water demand will not be generated at these events. Moreover, the calculation assumes that all fixtures are hooked up to the existing water system. Actual usage may be less since use of some portable water facilities are anticipated.

3. Wastewater

Average wastewater generation during a peak event is estimated at 150,000 gpd. This estimate is also likely to be high for the same reasons pertaining to water demand.

To accommodate the additional 12,240 people for peak events, temporary sanitary facilities are being proposed on the site. Additional sanitary facilities will be provided as required by applicable Department of Health provisions. The additional restroom facilities will be located near the northeast corner of the stadium site, expansion of the existing restrooms along the west sideline, and new restrooms near the northwest corner of the site.

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4. **Drainage**

The additional permanent seating is expected to be metal bleachers that will be placed on grassed areas along the outer edge of the existing track. Foundation work will be limited to concrete footings for the individual vertical supports. The majority of the surface area beneath the bleachers will be left as grassed surfaces or gravel.

Stormwater will fall through the seats and onto the grassed or gravel areas beneath the bleacher structure. Additional runoff generated from the concrete footings should not be a significant amount, and the existing drainage system can adequately accommodate the minor increase in runoff.

Other improvements for the project, such as the temporary bleachers, portable restrooms and television trailers, will be removed after the Hula Bowl event and will have no effect on the drainage system.

The proposed improvements should not adversely affect the existing drainage system or downstream properties. See Appendix B.

5. **Electrical and Telephone Systems**

Electrical power and telephone system requirements will continue to be provided by Maui Electric Company, Ltd. and GTE Hawaiian Tel.

# **Chapter IV**

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***Relationship to Governmental  
Plans, Policies and Controls***

#### **IV. RELATIONSHIP TO GOVERNMENTAL PLANS, POLICIES AND CONTROLS**

##### **A. STATE LAND USE DISTRICTS**

Chapter 205, Hawaii Revised Statutes, relating to the Land Use Commission, establishes the four major land use districts in which all lands in the State are placed. These districts are designated "Urban", "Rural", "Agricultural", and "Conservation". The subject parcel is within the "Urban" district. See Figure 7. The proposed action involves the renovation of an existing football stadium which is consistent with "Urban" district provisions.

##### **B. MAUI COUNTY GENERAL PLAN**

The Maui County General Plan (1990 Update) sets forth broad objectives and policies to help guide the long-range development of the County. As stated in the Maui County Charter:

"The purpose of the General Plan is to recognize and state the major problems and opportunities concerning the needs and the development of the County and the social, economic and environmental effects of such development and set forth the desired sequence, patterns and characteristics of future development."

The proposed action is in keeping with the following General Plan objective and policies:

**Objective:** To provide high-quality recreational facilities to meet the present and future needs of our residents of all ages and physical ability.

**Policy:** Maintain and upgrade existing recreational facilities to meet community needs.

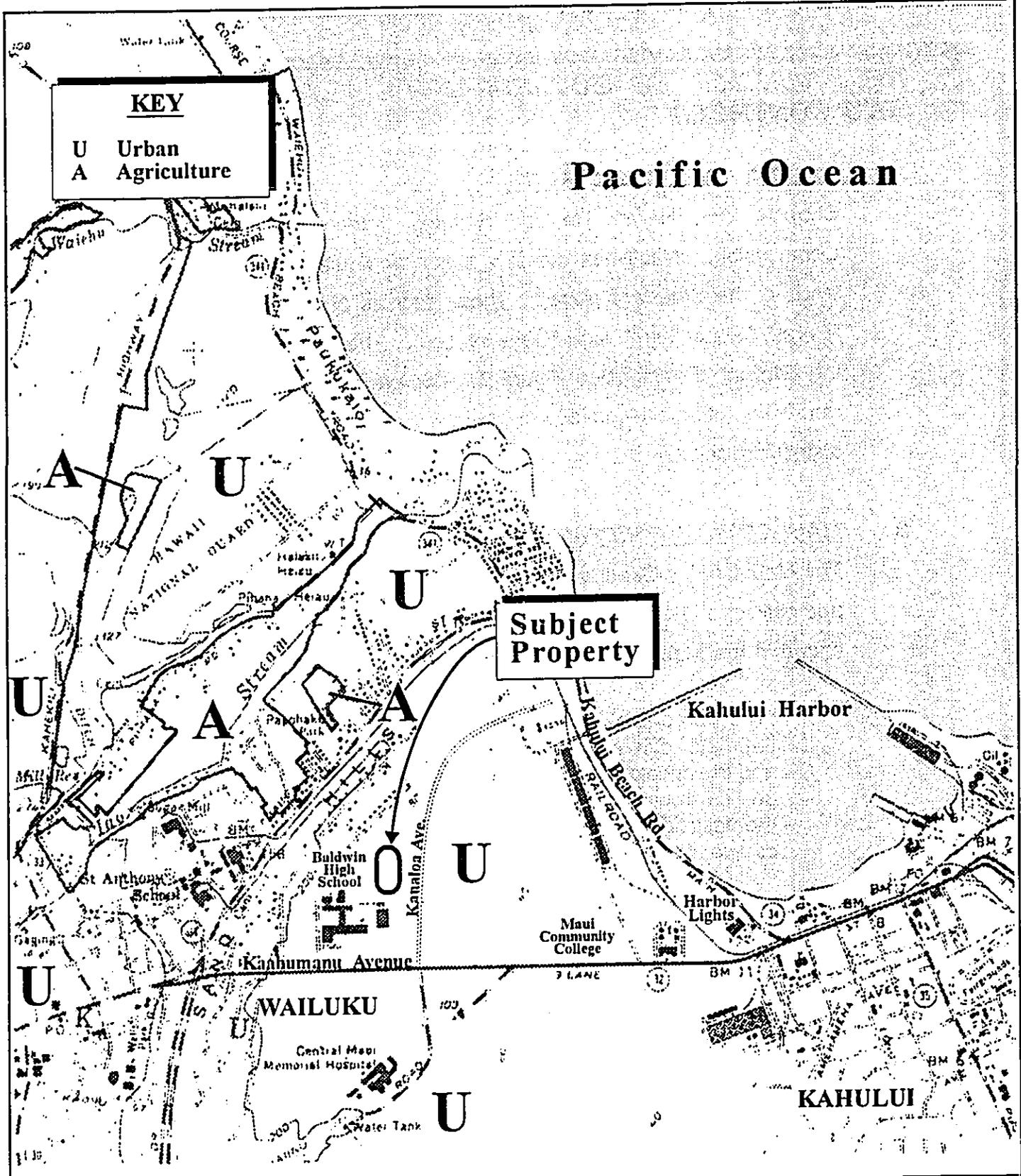
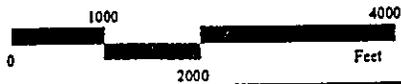


Figure 7 War Memorial Stadium Renovations  
 State Land Use District Designations



Prepared for: County of Maui, Department of Parks and Recreation

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**Policy:** Maintain recreational facilities for both active and passive pursuits.

**Policy:** Develop facilities that will meet the different recreational needs of the various communities.

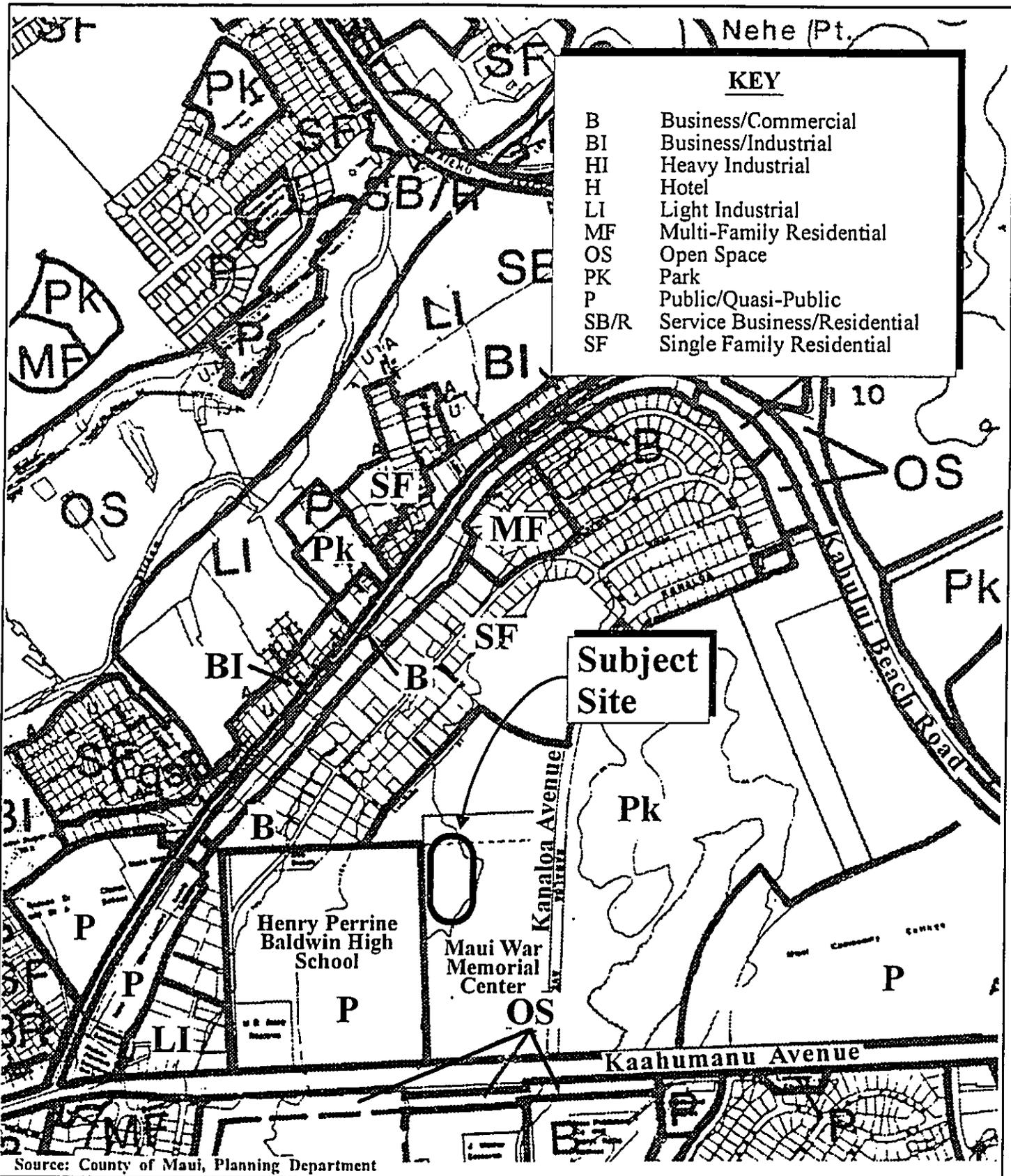
**Policy:** Develop multi-purpose recreational facilities.

C. **WAILUKU-KAHULUI COMMUNITY PLAN**

The subject parcel is located in the Wailuku-Kahului Community Plan region which is one of nine Community Plan regions established in the County of Maui. Planning for each region is guided by the respective Community Plans, which are designed to implement the Maui County General Plan. Each Community Plan contains recommendations and standards which guide the sequencing, patterns and characteristics of future development in the region.

Land use guidelines are set forth by the Wailuku-Kahului Community Plan Land Use Map. See Figure 8. The stadium site is designated "Park" by the Community Plan. The temporary TV compound area is located within the Baldwin High School parcel which is designated Public/Quasi-Public. The proposed project is consistent with the Wailuku-Kahului Community Plan.

The County of Maui is currently in the process of comprehensively updating each community plan. The process involves review by appointed Citizen Advisory Committees for each region, the Department of Planning, the appropriate Planning Commission, and the Maui County Council.



**Figure 8 War Memorial Stadium Renovations**  
 Wailuku-Kahului Community  
 Plan Designation

↑

MUNEKIYO & ARAKAWA, INC.

0 500 1000 2000 Feet

Prepared for: County of Maui, Department of Parks and Recreation

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Comprehensive review to the Hana, Kahoolawe, Paia-Haiku, Makawao-Pukalani-Kula, and West Maui Community Plans have been completed. The Maui County Council has recently initiated review of the Kihei-Makena Community Plan. Pending review at the County Council are the Wailuku-Kahului, Lanai and Molokai Community Plans.

Land use guidelines for the subject property within the proposed Maui Planning Commission version of the Wailuku-Kahului Community Plan are the same as the existing community plan. Thus, the proposed project is also consistent with provisions of the proposed Wailuku-Kahului Community Plan.

**D. ZONING**

The stadium site is zoned R-3 Residential District. Stadium use is a permissible use under the category of buildings or premises used by the Federal, State or County governments for public purposes. The TV compound area located on the Baldwin High School parcel, is also zoned R-3 Residential District.

The proposed project conforms with the applicable zoning provisions.

**E. SPECIAL MANAGEMENT AREA**

The project is not subject to County Special Management Area provisions. Although several off-site parking lots are located within the County SMA area, no development is proposed on these lots and no SMA permit is triggered.

# ***Chapter V***

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***Summary of Adverse  
Environmental Effects Which  
Cannot be Avoided***

**V. SUMMARY OF ADVERSE ENVIRONMENTAL EFFECTS WHICH CANNOT BE AVOIDED**

The proposed project will result in some construction-related impacts as described in Chapter III, Potential Impacts and Mitigation Measures.

Potential effects include noise-generated impacts occurring from site preparation and construction activities. In addition, there may be temporary air quality impacts associated with dust generated from construction activities, and exhaust emissions discharged by construction equipment.

Traffic generated from peak events at the stadium may result in high vehicle volumes and roadway congestion. However, such congestion is of relatively short duration.

The proposed project is not anticipated to create any long-term, adverse environmental effects.

# ***Chapter VI***

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***Alternatives to the  
Proposed Action***

## **VI. ALTERNATIVES TO THE PROPOSED ACTION**

### **A. PREFERRED ALTERNATIVE**

The proposed improvements to the War Memorial Stadium involves the implementation of 12,240 additional permanent and temporary bleacher seats which allows a bigger venue for local, regional and national sporting events.

It is intended that local events using the stadium will continue to the greatest extent practicable. During construction, high school and local football during the late summer and fall will continue to use the facility. In the long term, it is intended that the primary users of the stadium will be local events.

However, the stadium improvements would offer a facility which could attract sporting events of regional interest. This provides an additional opportunity to showcase athletic teams from Maui County or the State of Hawaii. With the possibility of travel of other teams to Maui, there will be increased spending in support of the visitor industry and related businesses. With increased usage of the stadium, there would also be additional economic opportunities for non-profit entities in the form of concessions and parking revenue.

Another more wide ranging benefit is that the stadium may also hold events of national interest such as the Hula Bowl. Such events of national interest involve the participants, coaches, staff, fans, and other related personnel which stimulate the visitor industry and its related businesses during their period of stay. Moreover, such an event exposes Maui and the State of Hawaii to an array of people who may opt to return in the future.

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Perhaps the biggest indirect economic benefit of the Hula Bowl is the television and press coverage of the events leading up to the game and the game itself. Since the Hula Bowl takes place during winter, there are significant marketing advantages in promoting a warm weather vacation in Maui on a national and international scale. This is likely to promote Maui and the State of Hawaii as a desirable vacation destination and is likely to translate into additional visitor stays in the future, thereby providing additional support for Maui's economy.

**B. NO ACTION ALTERNATIVE**

This alternative provides for the continuation of the 6,600 seat stadium. The present stadium meets local needs for most events. Although the stadium could be utilized in its present manner, the improvements would provide for a significantly broader array of users and would generate significant positive economic benefits.

# ***Chapter VII***

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## ***Irreversible and Irretrievable Commitments of Resources***

**VII. IRREVERSIBLE AND IRRETRIEVABLE COMMITMENTS OF RESOURCES**

The proposed improvements to the War Memorial Stadium would involve the commitment of fuel, labor, funding, and material resources.

No other significant irreversible and irretrievable commitments of resources have been identified in connection with the proposed action.

# **Chapter VIII**

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## **Findings and Conclusions**

## **VIII. FINDINGS AND CONCLUSIONS**

The proposed project involves the addition of 12,240 permanent and temporary bleacher seats for the War Memorial Stadium. Since County lands and funds are proposed to be utilized for the project, an Environmental Assessment has been prepared pursuant to Chapter 343, Hawaii Revised Statutes, and Chapter 200 of Title 11, Administrative Rules of the State Department of Health.

Every phase of the proposed action, expected consequences, both primary and secondary, and the cumulative as well as the short term and long term effects of the action have been evaluated in accordance with the Significance Criteria of Section 11-200-12 of the Administrative Rules. Based on the analysis, the proposed project will not result in any significant impacts. Discussion of project conformance to the criteria is noted as follows:

1. **No Irrevocable Commitment to Loss or Destruction of any Natural or Cultural Resource Would Occur as a Result of the Proposed Project**

Flora affected by the project are exotic varieties of trees and grasses. No wetland parameters exist within the project site. Fauna and avifauna are typical of a developed area. There are no known, rare, endangered or threatened species of flora, fauna, or avifauna within the project site.

The stadium site has been previously disturbed and, as such, there are no surface archaeological materials within the site. Archaeological monitoring will be conducted at the television compound area. Should archaeological materials be found during construction of the project, the State Historic Preservation Division will be notified and appropriate mitigation measures followed.

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2. **The Proposed Action Would Not Curtail the Range of Beneficial Uses of the Environment**

The proposed site is already part of the existing War Memorial Stadium site and would not have a significant effect on the beneficial uses of the environment.

3. **The Proposed Action Does Not Conflict With the State's Long-term Environmental Policies or Goals or Guidelines as Expressed in Chapter 344, Hawaii Revised Statutes**

The State Environmental Policy and Guidelines are set forth in Chapter 344, Hawaii Revised Statutes. The proposed action is in consonance with the following policies and guidelines:

**Environmental Policy**

Enhance the quality of life by:

\* \* \*

- (B) Creating opportunities for the residents of Hawaii to improve their quality of life through diverse economic activities which are stable and in balance with the physical and social environments.

**Guidelines:**

\* \* \*

Parks, recreation, and open space.

- (A) Establish, preserve and maintain scenic, historic, cultural, park and recreation areas, including the shorelines for public recreational, educational, and scientific uses.

\* \* \*

Economic development.

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(A) Encourage industries in Hawaii which would be in harmony with our environment.

4. **The Economic or Social Welfare of the Community or State Would Not Be Substantially Affected**

The project would have a direct beneficial effect on the local economy during construction. In the long term, the project would have indirect beneficial economic effects as additional sporting events held at the expanded stadium may likely draw additional visitors. This would likely result in additional hotel stays and visitor spending.

5. **The Proposed Action Does Not Affect Public Health**

The proposed project involves the implementation of additional sanitary facilities in compliance with Department of Health provisions. No impacts to the public's health and welfare are anticipated.

6. **No Substantial Secondary Impacts, Such as Population Changes or Effects on Public Facilities, are Anticipated**

No significant population changes are anticipated as a result of the proposed project. Although events held at the stadium may draw additional visitors to the island, the number of individuals who decide to reside in Hawaii as a result of attending an event at the stadium is not likely to be substantial.

From a land use standpoint, the proposed project is an enhancement of an existing use. It is anticipated to be compatible with surrounding land uses within the War Memorial Recreational Complex, Baldwin High School, Maui Central Park, and the Puuone residential area.

Traffic increases related to peak usages of the facility are expected to be

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intermittent and temporary. Additional increments of water and wastewater resulting from peak usage of the facility will be temporary and intermittent in duration. The project intends to continue hookup to the existing County water and wastewater systems. On-site and off-site drainage are expected to be accommodated within the existing drainage system. The project is not expected to significantly impact public services such as police, fire, and medical services. Impacts upon educational and long term solid waste parameters are also minimal.

7. **No Substantial Degradation of Environmental Quality is Anticipated**

The project involves the placement of bleachers over existing grassed and paved areas. The intent is to create additions to the new stadium which complement and enhance the existing built environment.

No substantial degradation of environmental quality resulting from the project is anticipated.

8. **The Proposed Action Does Not Involve a Commitment to Larger Actions Nor Would Cumulative Impacts Result in Considerable Effects On The Environment**

One of the purposes of expansion to the stadium is to accommodate the annual Hula Bowl football game. Any expansion or larger actions involving stadium renovation after the initial Hula Bowl event is not certain at this point in time. Should future expansion take place, cumulative effects on the environment should be evaluated.

9. **No Rare, Threatened or Endangered Species or Their Habitats Would Be Adversely Affected By The Proposed Project**

There are no rare, threatened or endangered species of flora, fauna or avifauna or their habitats on the subject property.

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10. *Air Quality, Water Quality or Ambient Noise Levels Would Not Be Detrimentially Affected By The Proposed Project*

Construction activities will result in short-term air quality and noise impacts. Dust control measures, such as regular watering and sprinkling, will be implemented as warranted, to minimize wind-blown emissions. Noise impacts will occur primarily from construction equipment. It is anticipated that construction will be limited to daylight hours.

Water quality is not expected to be affected.

In the long term, additional automobile traffic due to peak usage events at the stadium would generate additional emissions. However, this involves brief periods of time. Crowd and traffic noise may also increase but these impacts are also intermittent and temporary.

11. *The Proposed Project Would Not Affect Environmentally Sensitive Areas, Such as Flood Plains, Tsunami Zones, Erosion-prone Areas, Geologically Hazardous Lands, Estuaries, Fresh Waters or Coastal Waters*

The project is located in an area of minimal flooding and is not in a tsunami zone. Soils of the project site are not erosion-prone. There are no geologically hazardous lands, estuaries, perennial or intermittent streams, or fresh waters within or adjacent to the project site. The coastal waters of Kahului Harbor are located across from Kahului Beach Road and would not be affected by the proposed action.

Based on the foregoing findings, it is concluded that the proposed action will not result in any significant environmental impacts.

# ***Chapter IX***

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***Agencies and Organizations  
Consulted During the Preparation  
of the Environmental Assessment  
and Responses Received***

**IX. AGENCIES AND ORGANIZATIONS CONSULTED DURING THE PREPARATION OF THE ENVIRONMENTAL ASSESSMENT AND RESPONSES RECEIVED**

The following agencies and organizations were contacted during the preparation of the Environmental Assessment.<sup>a</sup>

1. Lolly Silva  
Department of the Army  
U.S. Army Engineer District, Hnl.  
Attn: Operations Division  
Bldg. T-1, Room 105  
Fort Shafter, HI 96858-5440
2. Brooks Harper  
U. S. Fish and Wildlife Service  
P.O. Box 50167  
Honolulu, HI 96850
3. Herb Matsubayashi  
State of Hawaii  
Department of Health  
54 High Street  
Wailuku, HI 96793
4. Michael Wilson, Director  
State of Hawaii  
Department of Land and Natural  
Resources  
P. O. Box 621  
Honolulu, HI 96809
5. Don Hibbard  
State of Hawaii  
Department of Land and Natural  
Resources  
State Historic Preservation  
Division  
33 South King Street, 6th Floor  
Honolulu, HI 96813
6. Robert Siarot, Maui District  
Engineer  
State of Hawaii  
Department of Transportation  
Highways Division  
650 Palapala Drive  
Kahului, HI 96732
7. Henry Oliva, Director  
County of Maui  
Department of Parks and  
Recreation  
200 South High Street  
Wailuku, HI 96793
8. David W. Blane, Director  
County of Maui  
Department of Planning  
250 South High Street  
Wailuku, HI 96793
9. Howard Tagomori, Chief  
County of Maui  
Police Department  
55 Mahalani Street  
Wailuku, HI 96793
10. Charles Jencks, Director  
County of Maui  
Department of Public Works  
and Waste Management  
200 South High Street  
Wailuku, HI 96793
11. David Craddick, Director  
County of Maui  
Department of Water Supply  
200 South High Street  
Wailuku, HI 96793
12. Ron Davis, Chief  
Department of Fire Control  
County of Maui  
200 Dairy Road  
Kahului, HI 96732

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13. Mark Nerenhausen, Director  
Maui Arts and Cultural Center  
101 Kaahumanu Ave., Suite A-A  
Kahului, HI 96732
  14. Clyde Sakamoto, Provost  
Maui Community College  
310 Kaahumanu Avenue  
Kahului, HI 96732
  15. Charles Knobel, Director  
Maui Family YMCA  
250 Kanaloa Avenue  
Wailuku, HI 96793
  16. Mr. James Lawrence  
Kahului Town Association  
P. O. Box 156  
Kahului, HI 96732
  17. Wallace Fujii, Principal  
Baldwin High School  
1650 Kaahumanu Avenue  
Wailuku, HI 96793
  18. Steve Kim, Executive Secretary  
Maui Interscholastic League  
54 High Street, 4th Floor  
Wailuku, HI 96793

▪ Substantive comments raised by agencies or organizations are addressed in the body of the EA document

JUN 4 1997



**BOARD OF WATER SUPPLY  
COUNTY OF MAUI  
P.O. BOX 1108  
WAILUKU, MAUI, HAWAII 96793-7108**

June 3, 1997

Mr. Milton Arakawa, Project Manager  
Munekiyo and Arakawa, Inc.  
305 High Street, Suite 104  
Wailuku, Maui, Hawaii 96793

Re: TMK: 3-8-7:55  
Project Name: War Memorial Stadium Renovations

Dear Mr. Arakawa,

Thank you for the opportunity to provide comments in preparation of the environmental assessment (EA).

**Water Planning**

We ask that attention be given to designing the project to be appropriate to the location with respect to water usage. It is highly recommended that water conservation practices be incorporated into project design and as much of the water demand as possible be delivered from alternative sources such as reclaimed water, if possible. The EA should include the sources and expected potable and non-potable water usage.

**Source**

The applicants should understand the potential water supply limitations of the project area. This project is served by the Central Maui System. The major source of water for this system is the Iao Aquifer. Rolling annual average groundwater withdrawals from the Iao aquifer as of April 1, 1997 were 20.18 MGD. The regulatory sustainable yield of this aquifer is 20 MGD. The Department is implementing a plan to mitigate withdrawals. No moratorium is currently in effect. Nevertheless, the applicants should be made aware that the timing of this project may be affected with possible delays until new sources can be brought on line. No guarantee of water is granted or implied as a result of these comments or the approval of any requested permits. Water availability will be reviewed at the time of building permit application.

**System**

We have included a portion of our water system map pertaining to the project area. Domestic, fire, and irrigation calculations will be reviewed in detail during the development process. Actual fire demand for structures is determined by fire flow calculations performed by a certified engineer. BWS-approved fire flow calculation methods are contained in "Fire Flow" - Hawaii Insurance Bureau, 1991; and "Guide for Determination of Required Fire Flow" - Insurance Service Office, 1974. If a private fire protection system will be used, the applicants are encouraged to contact our engineering division early in the design process.

**Water Conservation**

Where appropriate, the applicants should consider these measures:

**Eliminate Single-Pass Cooling:** Single-pass, water-cooled systems should be eliminated per Maui County Code Subsection 14.21.20. These units pass water once-through for cooling, and then dispose of the

*"By Water All Things Find Life"*

water into the drain. Although prohibited by code, single-pass water cooling is still manufactured into some models of air conditioners, freezers, and commercial refrigerators.

Utilize Low-Flow Fixtures and Devices: Maui County Code Subsection 16.20.675 requires the use of low flow water fixtures and devices in faucets, showerheads, urinals, water closets and hose bibs. Water conserving washing machines, ice-makers and other units are also available, and can help cut back on water bills.

Maintain Fixtures to Prevent Leaks: A simple, regular program of repair and maintenance can prevent the loss of hundreds or even thousands of gallons a day. Refer to the attached handout, "The Costly Drip". The applicant should establish a regular maintenance program.

Use Climate-adapted Plants: The project site is located in "Maui County Planting Plan" - Plant Zones 3 and 5. Please refer to the "Maui County Planting Plan", and to the attached documents, "XERISCAPE: Water Conservation Through Creative Landscaping" and "Some of Maui's Native and Polynesian Plants." We encourage the applicants to review the attached documents, refer to the Planting Plan, and consider using climate-adapted and salt-tolerant native plants. Native plants adapted to the area, conserve water and further protect the watershed from degradation due to invasive alien species.

Prevent Over-Watering By Automated Systems: Provide rain-sensors on all automated irrigation controllers. Check and reset controllers at least once a month to reflect the monthly changes in evapotranspiration rates at the site. As an alternative, provide the more automated, soil-moisture sensors on controllers.

#### Water Quality

The Board of Water Supply strives to protect the integrity of both surface water and groundwater resources by encouraging applicants to adopt best management practices (BMPs) relevant to potentially polluting project activities. There are many BMP references available. We list a few of them here. Additional information can be obtained from the State Department of Health Environmental Planning Office (EPO) at (808) 586-4337:

"Water Quality Best Management Practices Manual For Commercial and Industrial Business",  
Prepared for the City of Seattle by Resource Planning Associates, June 30, 1989.

"The Megamanual - Nonpoint Source Management Manual - A Guidance Document for Municipal Officials." Massachusetts Department of Environmental Protection.

"Guidance Specifying Management Measures For Sources of Nonpoint Pollution In Coastal Waters."  
United States Environmental Protection Agency, Office of Water.

If you have any other questions or need additional information, please don't hesitate to call our Water Resources and Planning Division at (808) 243-7199.

Sincerely,

*E. Hui Kuf' Isow*  
for David Craddick  
Director

wef

attachments:

Portion of BWS Fire Protection and Water Distribution Map for Wailuku





BENJAMIN J. CAYETANO  
GOVERNOR



LAWRENCE MIKE  
DIRECTOR OF HEALTH

LAWRENCE HART, M.D., M.P.H.  
DISTRICT HEALTH OFFICER

**STATE OF HAWAII**  
DEPARTMENT OF HEALTH  
**MAUI DISTRICT HEALTH OFFICE**  
54 HIGH STREET  
WAILUKU, MAUI, HAWAII 96793

May 16, 1997

Milton Arakawa  
Munekiyo & Arakawa, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Arakawa:

Subject: War Memorial Renovations for the 1998 Hula Bowl  
TMK: 3-8-7:55

We have completed our review of the project and have the following comments:

1. Activities during the construction phase of the project will have to comply with Community Noise Rules of the Department.
2. The addition of 10,000 seats will require additional sanitary fixtures as described in Table I of Chapter 11, Hawaii Administrative Rules.

Should you have any questions, please call me at 984-8230.

Sincerely,

A handwritten signature in black ink, appearing to read "Herbert S. Matsubayashi".

HERBERT S. MATSUBAYASHI  
District Environmental Health Program Chief



DEPARTMENT OF THE ARMY  
U.S. ARMY ENGINEER DISTRICT, HONOLULU  
FT. SHAFTER, HAWAII 96858-5440

May 14, 1997

REPLY TO  
ATTENTION OF:

Operations Branch

Mr. Milton Arakawa  
Munekiyo & Arakawa, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Arakawa:

We are in receipt of your May 8, 1997 letter requesting our comments on the proposed project to renovate the War Memorial Stadium located in Kahului, Maui, Hawaii. The County of Maui is proposing to install an additional 10,000 bleacher seats to accomodate the upcoming Hula Bowl on January 18, 1998.

Based on information provided, there are no waters of the U.S., including wetlands located within the project area. Therefore, a Department of the Army permit will not be required.

File number 970000196 is assigned to this project. Should you need further information, you may call Ms. Lolly Silva of my staff at (808) 438-9258, extension 17.

Sincerely,

Linda M. Hihara-Endo, Ph.D., P.E.  
Acting Chief, Operations Branch

Copies Furnished:

Clean Water Branch, Environmental Management Division,  
Hawaii State Department of Health, P.O. Box 3378,  
Honolulu, Hawaii 96801-3386  
Office of Planning, Coastal Zone Management Program,  
P.O. Box 2359, Honolulu, Hawaii 96804  
U.S. Fish and Wildlife Service, Environmental Services,  
300 Ala Moana Blvd., Box 50088, Honolulu, Hawaii 96850  
Department of Land and Natural Resources, State Historic  
Preservation Division, 33 S. King. Street, 6th Floor,  
Honolulu, Hawaii 96813  
Mr. David Goode, County of Maui, Department of Public  
Works and Waste Management, 200 South High Street,  
Wailuku, Maui 96793



Maui  
Family  
YMCA

May 20, 1997

Mr. Milton Arakawa, Project Manager  
Munekiyo & Arakawa, Inc.  
305 High St., #104  
Wailuku HI 96793

Dear Mr. Arakawa:

In response to your request for comments regarding the proposed renovations to War Memorial Stadium the following thoughts are shared:

1. Our primary concern is our ability to provide access to our facility and parking for our members during periods that the stadium area will be in use. From our view, the Y's operation should not be jeopardized due to construction related development.
2. Because the YMCA buildings also utilizes outside air-conditioning equipment it is important that any construction activity in this area do all that is possible to minimize dust in the area which could harm our equipment and increase our building maintenance costs.

Thank you for the opportunity to comment on this important undertaking.

Sincerely,

A handwritten signature in cursive script, appearing to read "Charles L. Knobel".

Charles L. Knobel  
Executive Director

CLK:hh

cc: Mr. Robert E. Madow, President, Board of Directors



DEPARTMENT OF  
**PARKS AND RECREATION**  
COUNTY OF MAUI

1580-C KAAHUMANU AVENUE WAILUKU, HAWAII 96793

LINDA CROCKETT LINGLE  
Mayor

HENRY OLIVA  
Director

ALLEN SHISHIDO  
Deputy Director

(808) 243-7230  
FAX (808) 243-7934

May 21, 1997

Mr. Milton Arakawa  
Munekiyo & Arakawa, Inc.  
305 High Street, Suite 104  
Wailuku, HI 96793

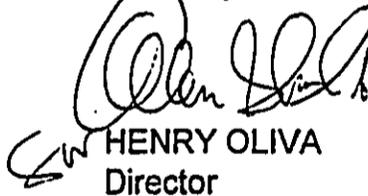
Subject: War Memorial Stadium Renovations for 1998 Hula Bowl

Dear Mr. Arakawa:

We are in support of the War Memorial Stadium Renovations for the 1998 Hula Bowl as detailed in the project summary, which was enclosed with your letter of May 8, 1997.

If we can be of further assistance, please call Patrick Matsui, Chief of Planning and Development, at 243-7931.

Sincerely,



HENRY OLIVA  
Director

HO:RH:ecq

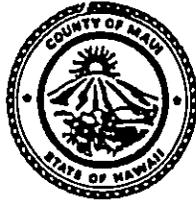
rh:renovhula.wpd

MAI 2 / 1997

LINDA CROCKETT LINGLE  
Mayor

CHARLES JENCKS  
Director

DAVID GOODE  
Deputy Director



RALPH NAGAMINE, L.S., P.E.  
Land Use and Codes Administration

EASSIE MILLER, P.E.  
Wastewater Reclamation Division

LLOYD P.C.W. LEE, P.E.  
Engineering Division

Solid Waste Division

BRIAN HASHIRO, P.E.  
Highways Division

COUNTY OF MAUI  
DEPARTMENT OF PUBLIC WORKS  
AND WASTE MANAGEMENT

200 SOUTH HIGH STREET  
WAILUKU, MAUI, HAWAII 96793

May 22, 1997

Mr. Milton Arakawa  
Munekiyo & Arakawa, Inc.  
305 High Street, Suite 104  
Wailuku, HI 96793

Dear Mr. Arakawa:

**SUBJECT: WAR MEMORIAL STADIUM RENOVATIONS FOR  
1998 HULA BOWL**

We have reviewed your letter dated May 8, 1997 and have the following comments:

1. There will be no assessment fee imposed.
2. Consultant to recheck calculations relative to slopes, size, velocities, type and capacity of sewerlines.

Should you have any questions, please call S. Sammy Bautista, Jr. at 243-7427. Thank you.

Sincerely,

A handwritten signature in cursive script that reads "Eassie Miller".

Eassie Miller, Chief  
Wastewater Reclamation Division

SB.sb  
(52297-1.ltr)

LINDA CROCKETT LINGLE  
Mayor

CHARLES JENCKS  
Director

DAVID C. GOODE  
Deputy Director

AARON SHINMOTO, P.E.  
Chief Staff Engineer



COUNTY OF MAUI  
DEPARTMENT OF PUBLIC WORKS  
AND WASTE MANAGEMENT

LAND USE AND CODES ADMINISTRATION  
250 SOUTH HIGH STREET  
WAILUKU, MAUI, HAWAII 96793

June 10, 1997

RALPH NAGAMINE, L.S., P.E.  
Land Use and Codes Administration

EASSIE MILLER, P.E.  
Wastewater Reclamation Division

LLOYD P.C.W. LEE, P.E.  
Engineering Division

Solid Waste Division

BRIAN HASHIRO, P.E.  
Highways Divisions

'97 JUN 12 P2:53

Mr. Milton Arakawa  
MUNEKIYO & ARAKAWA, INC.  
305 High Street, Suite 104  
Wailuku Hawaii 96793

SUBJECT: WAR MEMORIAL STADIUM RENOVATIONS  
FOR 1998 HULA BOWL  
TMK(2)3-8-007:055

Dear Mr. Arakawa:

We reviewed the subject submittal and have the following comments:

1. Engineering Division is available to work directly with traffic consultant to come out with a reasonable method of handling event traffic.
2. There will be no wastewater assessment fee imposed.
3. In the event additional paved parking and other similar impervious improvements are planned, a drainage assessment on the impacts of increase storm flow on the downstream properties should be made.
4. Bleachers are required to be designed and engineered by an architect or structural engineer to meet the 1991 Uniform Building Code for such structures.

If you have any questions, call David Goode at 243-7845.

Sincerely,

Charles Jencks  
Director of Public Works and Waste  
Management

DG:da  
xc:

Engineering Division  
Solid Waste Division  
Wastewater Reclamation Division

S:\LUCA\ICZM\STADIUM

# **Chapter X**

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***Comments Received During  
Public Comment Period and  
Applicable Responses***

LINDA CROCKETT LINGLE  
Mayor



JUL 18 1997

DAVID W. BLANE  
Director

GWEN OHASHI HIRAGA  
Deputy Director

**COUNTY OF MAUI  
PLANNING DEPARTMENT**  
250 S. HIGH STREET  
WAILUKU, MAUI, HAWAII 96793

July 14, 1997

Mr. Milton Arakawa, Project Manager  
Munekiyo & Arakawa, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Arakawa:

RE: Draft Environmental Assessment for the War Memorial Stadium Complex  
Renovations at TMK: 3-8-007: 55 and Por. of 4, Wailuku, Island of Maui,  
Hawaii

The Maui Planning Department (Department) has reviewed the Draft Environmental Assessment for the above-referenced project, and has the following comments:

**Recreational Impacts:**

At present, the War Memorial Stadium Complex (Complex) has two significant County-wide events that limit the use of the Complex to other users in the community, the Jaycee Carnival and the Maui County Fair. The proposed Stadium improvements will now include a third significant event, the Hula Bowl, and the potential for more events of this nature using the improved facilities. Your assessment should address what impacts these improvements will have on other users such as youth and school sporting events that use the Complex.

**Parking:**

The provision in the Off-Street Parking Ordinance that allows the use of off-site parking for fulfillment of your required parking through the Maui Planning Commission approval is limited to new or excess parking spaces available offsite. Further, the stalls are improved to County standards.

Mr. Milton Arakawa, Project Manager  
July 14, 1997  
Page 2

Your proposed parking plan should identify the excess stalls available for all proposed sites and whether the lots are improved or will be improved to County standards. The Department notes that the sites, such as Kaiser Permanente, is an operating medical clinic which has its own requirement for parking which cannot be used for other proposed uses. It can be considered, as part of your proposal, to provide additional parking beyond what is required through ordinance in order to alleviate parking-related impacts that will be created by special events held at the War Memorial Stadium Complex.

**Traffic:**

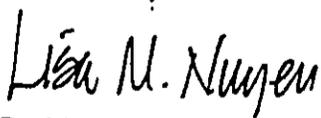
Although the traffic section contains short-term measures to mitigate traffic-related impacts, it does not include the several long-term measures that are planned for the area. The traffic section should include the future roadway improvements that are planned for the area, such as the Mahalani Road extension, Waiale Road extension, Papa Avenue extension and Central Maui Parkway.

**Noise:**

Although the assessment recognizes there will be impacts on the surrounding areas, of particular concern is the effects it will have on the surrounding residential community. The residential uses are on a higher elevation than the stadium and noise is generally amplified as it rises, which may have a negative impact on the residents in the area. The assessment needs to further identify possible measures that may be implemented to reduce the noise impacts in the area.

Thank you for the opportunity to comment. If additional clarification is required, please contact Ms. Colleen Suyama, Staff Planner, of this office at 243-7735.

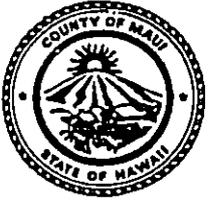
Very truly yours,

  
for DAVID W. BLANE  
Director of Planning

Mr. Milton Arakawa, Project Manager  
July 14, 1997  
Page 3

DWB:CMS:osy

c: Lisa M. Nuyen, Deputy Director of Planning  
David Goode, Deputy Director, Dept. of Public Works and Waste Management  
Clayton Yoshida, AICP, Planning Program Administrator  
Colleen Suyama, Staff Planner  
Juli Higa, Staff Planner  
Project File  
General File  
(S:\CMS\WarMemor)



DEPARTMENT OF  
**PARKS AND RECREATION**  
COUNTY OF MAUI

1580-C Kaahumanu Avenue, Wailuku, Hawaii 96793

AUG 08 1997

LINDA CROCKETT LINGLE

Mayor

HENRY OLIVA

Director

ALLEN SHISHIDO

Deputy Director

(808) 243-7230

FAX (808) 243-7934

August 6, 1997

David W. Blane, Director  
Planning Department  
250 South High Street  
Wailuku, Hawaii 96793

Dear Mr. Blane:

SUBJECT: Draft Environmental Assessment for War Memorial Stadium Renovations  
(TMK 3-8-7:55 and por.4)

Thank you for your letter of July 14, 1997, regarding the above-referenced project. We would like an opportunity to provide a response to your comments.

**Recreational Impacts**

With regard to impacts on existing users of the stadium facility, we will make every effort to accommodate all existing users to the greatest extent practicable. However, the Hula Bowl represents an additional user of the facility which needs to be taken into consideration. While youth and school sporting events would also be able to utilize the improved facility, it may not be available to the same extent it has in the past. We have worked and will continue to work with existing users in assisting with arrangements for accommodations relating to specific events.

**Parking**

With regard to parking, it is noted that the Department of Parks and Recreation will require a parking plan for events which are expected to exceed the 6,600 seat capacity of the stadium. There are 800 potential additional on-site stalls. These are at the War Memorial Gym, an area adjacent to the Little League fields, and on the practice soccer field at the corner of Kaahumanu and Kanaloa Avenues.

Similarly, there are 1,800 off-site stalls on adjacent lots. These include 600 stalls at Baldwin High School, 300 stalls at the Kaiser Clinic, 600 stalls at the Central Maui Youth Center, 200 stalls on the Keopuolani Park multi-purpose field and 100 stalls in the existing grassed area immediately to the north of the football stadium.

David W. Blane, Director  
August 6, 1997  
Page 2

The use of these additional on-site and off-site stalls would be allowed for stadium use only to the extent that parking is not required for events at the respective on-site and off-site facilities. Thus, the parking lots or areas would be vacant at the time of usage for events held at the stadium.

Moreover, the use of additional on-site and off-site parking facilities for peak special events at the stadium is likely to occur on no more than an occasional basis. Should on-site and off-site parking be required to be constructed to County standards, it will be utilized during peak usage of the stadium but will remain empty for most of the remainder of the year. We believe that it is more cost efficient to utilize existing parking facilities or areas in close proximity when they are not in use rather than building new facilities.

### **Traffic**

The traffic assessment report concentrated primarily on short term measures to mitigate traffic impacts because the Hula Bowl is a special event which will occur once a year. Therefore, the report primarily addressed the capabilities of the existing roadway system to accommodate the anticipated traffic.

Insofar as the inclusion of future roadways are concerned, additional available routes to the Stadium will certainly reduce the impact on the existing local streets and improve access to the site. The Waiale Road extension, Papa Avenue extension and Central Maui Parkway will provide improved access to the planned parking facilities within the park, at the Maui Community College and at the Maui Arts and Cultural Center.

The Mahalani Street extension will provide a direct route to Kanaloa Avenue from Honoapiilani Highway and Waiale Drive. However, it may be desirable to discourage use of this route during large special events such as the Hula Bowl, because major medical facilities and the police station are located on Mahalani Street. Event traffic may interfere with the use of these facilities. On the other hand, the Mahalani Street route would be a shorter route than the Waiale Drive/Lower Main/Kahului Beach Road/Kanaloa Avenue route to the stadium and could replace the left turn movement from Kaahumanu Avenue eastbound into Kanaloa Avenue, which would be temporarily prohibited during the event.

### **Noise**

Construction is anticipated to take place during daylight hours, to the maximum extent possible. In the long term, while noise impacts would occur as a result of events to

# CORRECTION

THE PRECEDING DOCUMENT(S) HAS  
BEEN REPHOTOGRAPHED TO ASSURE  
LEGIBILITY  
SEE FRAME(S)  
IMMEDIATELY FOLLOWING

David W. Blane, Director  
August 6, 1997  
Page 2

The use of these additional on-site and off-site stalls would be allowed for stadium use only to the extent that parking is not required for events at the respective on-site and off-site facilities. Thus, the parking lots or areas would be vacant at the time of usage for events held at the stadium.

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#### Traffic

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#### Noise

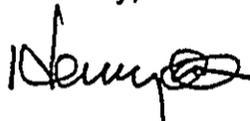
Construction is anticipated to take place during daylight hours, to the maximum extent possible. In the long term, while noise impacts would occur as a result of events to

David W. Blane, Director  
August 6, 1997  
Page 3

be held at the stadium, these impacts are temporary in nature and should not cause a significant impact.

Thank you for opportunity to provide a response. If you have any questions, please feel free to call me.

Sincerely,



HENRY OLIVA  
Director

HO:to

c: David Goode, Department of Public Works and Waste Management  
Milton Arakawa, Munekiyo & Arakawa, Inc.

com/stadium/resptr.pd

JUL 18 1997

BENJAMIN J. CAYETANO  
GOVERNOR



LAWRENCE MIKE  
DIRECTOR OF HEALTH

LAWRENCE HART, M.D., M.P.H.  
DISTRICT HEALTH OFFICER

**STATE OF HAWAII**  
DEPARTMENT OF HEALTH  
**MAUI DISTRICT HEALTH OFFICE**  
54 HIGH STREET  
WAILUKU, MAUI, HAWAII 96793

July 16, 1997

Milton Arakawa  
Munekiyo & Arakawa, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Arakawa:

Subject: Draft Environmental Assessment, War Memorial  
Stadium Renovation, Wailuku, Hawaii

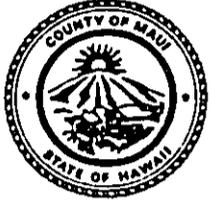
We have completed our review of the proposed renovation. It is recommended that the applicant consult with the staff of the Maui Environmental Health office regarding meeting the requirements of Hawaii Administrative Rules, Chapter 11, "Sanitation" and Chapter 46, Community Noise Control.

Should you have any questions, please call me at 984-8230.

Sincerely,

A handwritten signature in black ink, appearing to read "H. Matsubayashi".

HERBERT S. MATSUBAYASHI  
District Environmental Health Program Chief



DEPARTMENT OF  
**PARKS AND RECREATION**  
COUNTY OF MAUI

1580-C Kaahumanu Avenue, Wailuku, Hawaii 96793

LINDA CROCKETT LINGLE —  
Mayor  
HENRY OLIVA —  
Director  
ALLEN SHISHIDO —  
Deputy Director  
  
(808) 243-7230  
FAX (808) 243-7934 —

August 6, 1997

Mr. Herbert S. Matsubayashi  
District Environmental Health Program Chief  
State of Hawaii  
Department of Health  
Maui District Health Office  
250 South High Street  
Wailuku, Hawaii 96793

Dear Mr. Matsubayashi:

**SUBJECT:** Draft Environmental Assessment for War Memorial Stadium Renovations  
(TMK 3-8-7:55 and por.4)

Thank you for your letter of July 16, 1997, regarding the above-referenced project. We would like an opportunity to provide a response to your comments.

Our intent is to coordinate with the Department of Health regarding compliance with applicable provisions of Chapter 11 pertaining to Sanitation and Chapter 46 pertaining to Community Noise Control, Hawaii Administrative Rules.

Thank you for apprising us of your concern.

Sincerely,

HENRY OLIVA  
Director

HO:to

c: David Goode, Department of Public Works and Waste Management  
Milton Arakawa, Munekiyo & Arakawa, Inc.

com/stadium/resplr.doh

ENJAMIN S. CAYLETANO  
GOVERNOR OF HAWAII



STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES

STATE HISTORIC PRESERVATION DIVISION  
33 SOUTH KING STREET, 6TH FLOOR  
HONOLULU, HAWAII 96813

MICHAEL D. WILSON, CHAIRPERSON  
BOARD OF LAND AND NATURAL RESOURCES

DEPUTIES

Gilbert Coloma-Agaran

AQUACULTURE DEVELOPMENT  
PROGRAM

AQUATIC RESOURCES  
CONSERVATION AND

ENVIRONMENTAL AFFAIRS  
CONSERVATION AND

RESOURCES ENFORCEMENT  
CONVEYANCES

FORESTRY AND WILDLIFE  
HISTORIC PRESERVATION  
DIVISION

LAND MANAGEMENT  
STATE PARKS

WATER AND LAND DEVELOPMENT

July 9, 1997

Mr. Milton Arakawa  
Munekiyo & Arakawa  
305 High Street, Suite 104  
Wailuku, Maui, Hawaii 96793

LOG NO: 19784 ✓  
DOC NO: 9706SC17

Dear Mr. Arakawa:

**SUBJECT: Chapter 6E-8 Historic Preservation Review of Proposed Renovations to the War Memorial Stadium Complex  
Wailuku, Wailuku District, Maui  
TMK: 3-8-007: 055**

Thank you for the opportunity to comment on the proposed renovations to be made to the War Memorial Stadium. According to your letter, a television compound area is to be built on Baldwin High School property immediately adjacent to the Stadium land, to the west. Our review is based on historic reports, maps, and aerial photographs maintained at the State Historic Preservation Division. In addition, Sara Collins of our staff briefly inspected the subject area on June 17, 1997, in your company.

Although the area proposed for the television compound has not undergone an archaeological inventory survey, we have no record of historic sites on this parcel. The subject parcel appeared to have been disturbed, possibly by past agricultural work conducted by the high school; the present ground surface is overgrown with grass and trees and pieces of modern rubbish are scattered about. The soil appeared to be a loamy sand; the parcel itself sits within the *pu'u one* or sand hill region of Wailuku. The *pu'u one* are known to contain a number of pre-Contact historic sites such as human burials and subsurface cultural layers. While no human burials or cultural deposits have been recorded for the grounds of Baldwin High School, Mr. Charles Keau, a longtime Maui resident, recalled that burials were uncovered during the construction of Kaahumanu Avenue. More recently, human burials have been inadvertently discovered during construction work on the Maui Lani properties, across Kaahumanu Avenue to the south of the subject parcel.

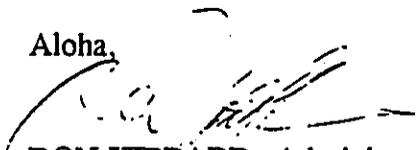
In view of these facts, we recommend that a qualified archaeologist conduct on-site monitoring of the initial ground-altering work at the project site, to include grubbing and grading. Prior to beginning construction work, an acceptable monitoring plan should be

Mr. Milton Arakawa  
Page 2

submitted for review and approval by the State Historic Preservation Division. Should human burials be discovered inadvertently during construction, their treatment and disposition should be in accordance with Chapter 6E-43, Hawaii Revised Statutes. An acceptable monitoring report should also be submitted to the State Historic Preservation Division no later than 180 days after the completion of fieldwork. If these steps are taken, then we believe that construction of the television compound will have "no adverse effect" on significant historic sites.

Should you have any questions, please feel free to call Sara Collins at 587-0013.

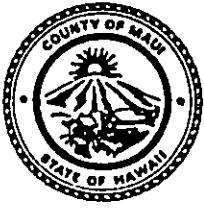
Aloha,



DON HIBBARD, Administrator  
State Historic Preservation Division

SC:jen

cc: Ms. Elizabeth Anderson, Cultural Resources Commission,  
Maui Planning Department, 250 S. High Street Wailuku, HI 96793  
Ms. Dana Naone Hall, Maui/Lana'i Islands Burial Council



DEPARTMENT OF  
**PARKS AND RECREATION**  
COUNTY OF MAUI

1580-C Kaahumanu Avenue, Wailuku, Hawaii 96793

LINDA CROCKETT LINGLE  
Mayor  
HENRY OLIVA  
Director  
ALLEN SHISHIDO  
Deputy Director

(808) 243-7230  
FAX (808) 243-7934

August 6, 1997

Mr. Don Hibbard  
Administrator  
State Historic Preservation Division  
State of Hawaii  
Department of Land and Natural Resources  
33 South King Street, 6th Floor  
Honolulu, Hawaii 96813

Dear Mr. Hibbard:

SUBJECT: Draft Environmental Assessment for War Memorial Stadium Renovations  
Wailuku, Hawaii

Thank you for your letter of July 9, 1997, regarding the above-referenced project.

We would like to note that arrangements have been made for on-site archaeological monitoring of ground-altering work at the proposed television compound area located adjacent to the stadium site on Baldwin High School property. Cultural Surveys Hawaii should be contacting your office regarding submittal of a monitoring plan.

If you have any questions, please call me at 243-7626. Thank you for your consideration.

Sincerely,

HENRY OLIVA  
Director

HO:to

c: David Goode, Department of Public Works and Waste Management  
Milton Arakawa, Munekiyo & Arakawa, Inc.

com/stadium/resplr.din



**POLICE DEPARTMENT**  
COUNTY OF MAUI



INDA CROCKETT LINGLE  
MAYOR

55 MAHALANI STREET  
WAILUKU, HAWAII 96793  
(808) 244-6400  
FAX (808) 244-6411

HOWARD H. TAGOMORI  
CHIEF OF POLICE

OUR REFERENCE  
at

THOMAS PHILLIPS  
DEPUTY CHIEF OF POLICE

YOUR REFERENCE

August 4, 1997

Mr. Milton Arakawa  
Project Manager  
Munekiyo & Arakawa, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

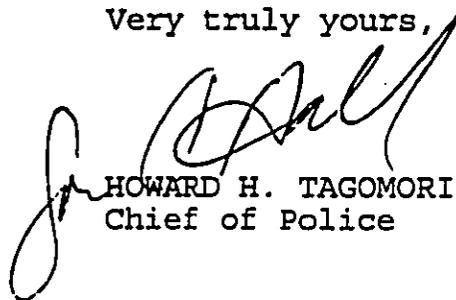
Dear Mr. Arakawa:

Subject: War Memorial Stadium Renovations  
Wailuku, Hawaii

We have received your letter of June 30, 1997 and have reviewed the Draft Environmental Assessment (EA) for the above project.

Enclosed is our comments. Thank you for the opportunity to make comments on the project summary.

Very truly yours,



HOWARD H. TAGOMORI  
Chief of Police

Enclosure

TO : HOWARD TAGOMORI, CHIEF OF POLICE, MAUI POLICE  
DEPARTMENT

VIA : CHANNELS

FROM : CLAYTON TOM, LIEUTENANT, WAILUKU PATROL DIVISION

SUBJECT : WAR MEMORIAL STADIUM RENOVATIONS FOR 1998 HULA BOWL

Sir, this correspondence is a list of concerns that Mr. Milton ARAKAWA, Project Manager for Munekiyo & Arakawa, Inc., requested regarding the proposed renovations to the War Memorial Stadium for the 1998 Hula Bowl. The written request was dated May 8, 1997.

The existing seating capacity for the War Memorial Stadium is approximately 6,600 seats and approximately 10,000 more seats are proposed for the renovation.

The two major concerns are the inadequate parking at the War Memorial Stadium for the event and the vehicular congestion the event will create on Kanaloa Avenue as well as the connecting roadways.

During large functions such as High School football games and graduations, the parking at the War Memorial Complex to include the stadium and gymnasium parking lots have been taxed to its full capacity. Parking has overflowed onto the West paved shoulder of Kanaloa Avenue fronting the Little League baseball fields and onto the unpaved shoulders of Kanaloa Avenue.

One remedy would be a multi-level parking structure at the stadium, however, factors against this proposal would be the staggering costs and the time frame between now and the Hula Bowl scheduled for January of next year.

The immediate solution would be to locate alternate parking areas, whereby, the attendants to the event can be shuttled to and from the stadium.

Traffic congestion is also another factor that must be addressed. The stadium has four entrances/exits which are on Kanaloa Avenue. For the free flow of traffic from the earlier mentioned areas, it is proposed that off duty officers be posted at the intersections with Kaahumanu Avenue and Kahului Beach Road to control the traffic lights. Off duty officers will also be needed on Kanaloa Avenue for pedestrian crossing.

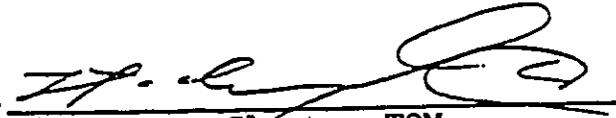
If the promoters anticipate the attendance at the full capacity of 16,600 persons, the alternate parking sites will also require off duty officers for traffic control.

These are the immediate concerns for such an event and more concerns may arise when the proposal is submitted by Munekiyo &

Page 2

Arakawa, Inc.

This report is submitted for your perusal.



Lieutenant Clayton TOM  
Wailuku Patrol Division  
05/19/97 0220 hours

*COPY SENT TO LT. C. SHINYADIA AS  
HE IS COORDINATING THE HULA BOWL  
EVENT PER A/C C. STALL  
C. STALL 1287  
5/12/97*



DEPARTMENT OF  
PARKS AND RECREATION  
COUNTY OF MAUI

1580 C Kaahumanu Avenue, Wailuku, Hawaii 96793

LINDA CROCKFORD  
Maui  
HENRY OLIVA  
Director  
ALLEN SHIMIZU  
Deputy Director

808-243-7230  
FAX 808-243-7934

August 25, 1997

Howard Tagomori  
Chief of Police  
Police Department  
County of Maui  
55 Mahalani Street  
Wailuku, Hawaii 96793

RE: War Memorial Stadium Renovations

Dear Mr. Tagomori:

We have received a copy of your August 4, 1997 comments to Milton Arakawa of Munekiyo & Arakawa relating to the subject project. We would like the opportunity to address your Department's concerns.

With regard to parking, it is noted that the existing stadium parking lot holds approximately 760 parking stalls. There are a total of 12,400 permanent and temporary seats being added to the stadium. Parking for the project will be accommodated primarily on the subject parcel and adjacent parcels. The Department of Parks and Recreation will require a parking plan for events such as the Hula Bowl which are expected to exceed the 6,600 seat capacity of the stadium.

There are 800 potential additional on-site parking stalls. These are at the War Memorial Gym, an area adjacent to the Little League fields, and on the practice soccer field at the corner of Kaahumanu and Kanaloa Avenues.

Similarly, there are 1,800 off-site stalls on adjacent lots. These include 600 stalls at Baldwin High School, 300 stalls at the Kaiser Clinic, 600 stalls at the Central Maui Youth Center, 200 stalls on the Keopuolani Park multi-purpose field and 100 stalls in the existing grassed area immediately to the north of the War Memorial Stadium.

The use of these additional on-site and off-site stalls would be allowed for stadium use only to the extent that parking is not required for events at the respective on-site and off-site facilities. Thus, the parking lots or areas would be vacant at the time of usage for events held at the stadium.

Howard Tagomori  
August 25, 1997  
Page 2

In addition, there are other parking areas located beyond 400 feet from the War Memorial stadium lot which are available for use in peak events. These areas include 700 stalls at the Maui Community College fields at the corner of Kaahumanu and Papa Avenues, 375 stalls at the Maui Arts and Cultural Center, and 600 stalls at the Maui Community College parking lot. The peninsula adjacent to Kahului Beach Road may also be utilized for bus parking. Upon its completion, Keopuolani Park may also provide additional off-site parking for peak events.

We will coordinate with the Police Department regarding installation of no parking signs along roadway shoulders of major thoroughfares during major events.

With regard to traffic issues, police officers are proposed to observe/direct traffic at key intersections as follows:

1. Kaahumanu Avenue at Kanaloa Avenue
2. Kaahumanu Avenue at Papa Avenue
3. Kaahumanu Avenue at Kahului Beach Road
4. Kaahumanu Avenue at Puunene Avenue
5. Kahului Beach Road at Kanaloa Avenue
6. High Street at East Main Street
7. Honoapiilani Highway at Kehalani Parkway
8. Hana Highway at Dairy Road
9. Kanaloa Avenue at Stadium Entrance
10. Kahului Beach Road at Kaihee Place (MCC)
11. Kahului Beach Road at MACC road
12. Kuihelani Highway at Puunene Avenue
13. Kahului Beach Road at Waiehu Beach Road
14. Lower Main Street At Mill Street

Our intent is to encourage the use of express bus service for Lahaina, Kihei and Upcountry residents. Local school parking lots are proposed as pick up and drop off points.

We will be working closely with your Department to ensure that a full range of parking and traffic related issues are addressed.

Howard Tagomori  
August 25, 1997  
Page 3

If you have any questions, please feel free to call me. Thank you for your comments.

Sincerely,



HENRY OLIVA  
Director

HO:to  
convstadiunvmpdfr.001



STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES

P.O. BOX 621  
HONOLULU, HAWAII 96809

July 21, 1997

AQUACULTURE DEVELOPMENT  
PROGRAM  
AQUATIC RESOURCES  
BOATING AND OCEAN RECREATION  
CONSERVATION AND  
ENVIRONMENTAL AFFAIRS  
CONSERVATION AND  
RESOURCES ENFORCEMENT  
CONVEYANCES  
FORESTRY AND WILDLIFE  
HISTORIC PRESERVATION  
LAND MANAGEMENT  
STATE PARKS  
WATER AND LAND DEVELOPMENT  
WATER RESOURCE MANAGEMENT

LD-NAV  
Ref.: WARMEMRL.RCM

Mr. Milton Arakawa  
Project Manager  
Munekiyo & Arakawa, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Arakawa:

SUBJECT: Review : Draft Environmental Assessment  
Project : War Memorial Stadium Renovations  
Applicant : County of Maui, Department of Parks  
and Recreation  
Location : Wailuku, Island of Maui, Hawaii  
TMK : 2nd/ 3-8-07: Portion of 4 and 55

Thank you for the opportunity to review and comment on the subject Draft Environmental Assessment.

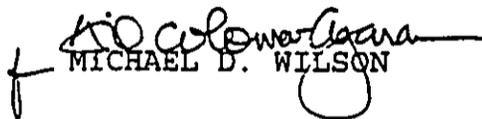
Our Land Division, Engineering Branch has confirmed that the proposed project site is located in Zone C (unshaded), an area of minimal flooding.

The Department of Land and Natural Resources has no other comments to offer on the subject matter at this time.

Should you have any questions, please feel free to contact Nicholas A. Vaccaro of the Land Division at 1-808-587-0438.

HAWAII: Earth's best !

Aloha,

  
MICHAEL D. WILSON

c: Maui Land Board Member  
At Large Land Board Member  
Maui District Land Office  
County of Maui, Department of Parks  
And Recreation



STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES

P.O. BOX 621  
HONOLULU, HAWAII 96809  
July 23, 1997

AUG 05 1997

AQUACULTURE DEVELOPMENT  
PROGRAM  
AQUATIC RESOURCES  
BOATING AND OCEAN RECREATION  
CONSERVATION AND  
ENVIRONMENTAL AFFAIRS  
CONSERVATION AND  
RESOURCES ENFORCEMENT  
CONVEYANCES  
FORESTRY AND WILDLIFE  
HISTORIC PRESERVATION  
LAND MANAGEMENT  
STATE PARKS  
WATER AND LAND DEVELOPMENT  
WATER RESOURCE MANAGEMENT

LD-NAV  
Ref.: 2-WARMEMRL.RCM

Mr. Milton Arakawa  
Project Manager  
Munekiyo & Arakawa, Inc.  
305 High Street, Suite 104  
Wailuku, Hawaii 96793

Dear Mr. Arakawa:

SUBJECT: Review : Draft Environmental Assessment  
Project : War Memorial Stadium Renovations  
Applicant : County of Maui, Department of Parks  
and Recreation  
Location : Wailuku, Island of Maui, Hawaii  
TMK : 2nd/ 3-8-07: Portion of 4 and 55

This is a follow-up to our letter, dated July 21, 1997,  
wherein we submitted comments on the proposed project.

Our Commission on Water Resource Management (Commission) has  
the following comments that are pertaining to the water resource  
for the subject location:

1. We recommend coordination with the county government to incorporate this project into the county's Water Use and Development Plan;
2. The Department of Water Supply (DWS), which will provide water to this project is already overpumping the sustainable yield of the aquifer, and the Commission is considering designating the aquifer as a ground water management area. If the aquifer is designated, all groundwater withdrawals would be subject to water use permits. The service area would be subject to a declaration of a water shortage or water emergency;
3. If designated and withdrawals are constrained by the Commission on Water Resources Management, uses on the DWS system may be subject to cutbacks by the purveyor; and
4. The water use estimate for a peak event is insufficient for normal water use accounting. The estimate should reflect anticipated use throughout the year and draw an annualized (365 day) average.

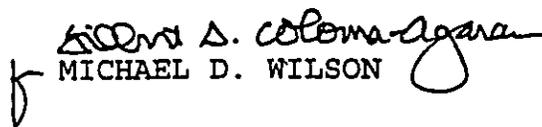
Page 2  
War Memorial Stadium  
Renovations

The Department of Land and Natural Resources has no other comments to offer on the subject matter at this time.

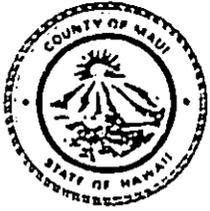
Should you have any questions, please feel free to contact Nicholas A. Vaccaro of the Land Division at 1-808-587-0438.

HAWAII: Earth's best !

Aloha,

  
MICHAEL D. WILSON

c: Maui Land Board Member  
At Large Land Board Member  
Maui District Land Office  
County of Maui, Department of Parks  
And Recreation



DEPARTMENT OF  
**PARKS AND RECREATION**  
COUNTY OF MAUI

1580-C Kaahumanu Avenue, Wailuku, Hawaii 96793

LINDA CROCKETT LINGLE  
Mayor  
HENRY OLIVA  
Director  
ALLEN SHISHIDO  
Deputy Director

(808) 243-7230  
FAX (808) 243-7934

August 25, 1997

Michael D. Wilson, Director  
Department of Land and Natural Resources  
State of Hawaii  
P.O. Box 621  
Honolulu, Hawaii 96809

RE: War Memorial Stadium Renovations Draft Environmental Assessment

Dear Mr. Wilson:

We have received a copy of your letter to Milton Arakawa of Munekiyo & Arakawa relating to the subject project. We would like an opportunity to provide a response.

We would like to note that we will be contacting the Department of Water Supply to assess applicable requirements for inclusion within the County's Water Use and Development Plan.

We are aware that the Commission on Water Resource Management is considering designation of the Iao aquifer as a ground water management area.

With regard to water usage, we have provided average water demand calculations for a peak event at the stadium. If considered in terms of normal water use accounting in which water usage would be calculated on an annualized basis, any incremental increase of water usage resulting from the project should be fairly minimal. Although stadium capacity is proposed to be increased, we anticipate that use of the stadium over its 6,600 seat capacity will occur only on an infrequent basis. Thus, on an annualized basis, the calculation of water usage resulting from the project is likely to be quite small. Based on an approximate calculation of 370,000 gallons per day for a peak event, this calculates to slightly over 1,000 gpd on an annualized basis.

Moreover, the calculation of 370,000 gallons per day is likely to exceed actual usage. This calculation assumes that all fixtures are connected to the County water system. However, use of some portable water facilities, which would not connect with the County system, are being planned for peak events.

Finally, people living within the County's Central Maui water system, which includes Paia, Central Maui and South Maui, are also likely to comprise a portion of attendees at peak

Michael D. Wilson, Director  
August 25, 1997  
Page 2

events at the stadium. Thus, for those residents, there would not be a net increase in water usage within the Central Maui system.

Thank you for the opportunity to provide a response. If you have any questions, please feel free to call me.

Sincerely,



HENRY OLIVA  
Director

HO:to

c: David Goode, Department of Public Works and Waste Management  
Barry Toyota, Wilson Okamoto & Associates  
Milton Arakawa, Munekiyo & Arakawa, Inc.

com/stadium/dl/rtr.001

AUG 00 1997

BENJAMIN J. CAYETANO  
GOVERNOR



GARY GILL  
DIRECTOR

STATE OF HAWAII  
OFFICE OF ENVIRONMENTAL QUALITY CONTROL

235 SOUTH BERETANIA STREET  
SUITE 702  
HONOLULU, HAWAII 96813  
TELEPHONE (808) 586-4185  
FACSIMILE (808) 586-4185

August 7, 1997

The Honorable Henry Oliva, Director  
County of Maui - Department of Parks and Recreation  
1580-C Ka'ahumanu Avenue  
Wailuku, Hawai'i 96793

Dear Mr. Oliva:

Thank you for your June 20, 1997, letter submitting a draft environmental assessment (DEA) for the War Memorial Stadium Renovations, TMK: 3-8-7: por. 4, por. 55. The Office of Environmental Quality Control published notice of availability of this DEA in the July 8, 1997, edition of the *Environmental Notice*. We submit for your response the following comments on the DEA.

1. **SECONDARY AND CUMULATIVE TRAFFIC IMPACTS.** Please discuss in the final environmental assessment the indirect and cumulative impacts of the project on traffic. Mitigative measures are proposed, on pages 23 and 24, for episodic impacts related to special events. Since the capacity is being increased, it would be reasonable to assume that episodic special events other than the Hula Bowl (such as concerts and large assemblies) may occur with a greater frequency. With such an increased frequency, roadway infrastructure changes are inevitable and should be discussed in the context of secondary and cumulative impacts.

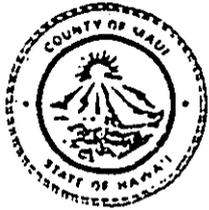
Please include this letter and your response to it in the final environmental assessment for this project. If there are any questions, please call Mr. Leslie Segundo, Environmental Health Specialist, at 586-4185. Thank you for the opportunity to comment.

Sincerely,

A handwritten signature in cursive script, appearing to read "Gary Gill".

GARY GILL  
Director

c: Milton Arakawa, Munekiyo & Arakawa, Inc.



DEPARTMENT OF  
**PARKS AND RECREATION**  
COUNTY OF MAUI

1580-C Kaahumanu Avenue, Wailuku, Hawaii 96793

LINDA CROCKETT LINGLE  
Mayor  
HENRY OLIVA  
Director  
ALLEN SHISHIDO  
Deputy Director  
(808) 243 7230  
FAX (808) 243 7034

August 25, 1997

Gary Gill, Director  
Office of Environmental Quality Control  
235 South Beretania Street, Suite 702  
Honolulu, Hawaii 96813

RE: War Memorial Stadium Renovations

Dear Mr. Gill:

We have received a copy of your letter dated August 7, 1997 pertaining to the subject project. We would like to provide the following response.

It is recognized that special events of the size that will utilize the capacity of the enlarged War Memorial Stadium will impact the existing transportation network. Applicable mitigation measures have been discussed in the environmental assessment. As we have noted, it is generally not economically justified or cost effective to construct roadway improvements to accommodate the episodic demands of special event traffic conditions.

Special events, such as the Hula Bowl, generally occur in the evenings or on weekends, when traffic demands are usually less than the normal weekday peak period traffic volumes. These events also occur only for short durations, typically 3 to 5 hours and usually over a weekend, except for carnivals or fairs which may be ongoing for extended hours. Except for carnivals and fairs, the traffic impact of these special events will occur only for approximately 1 to 1.5 hours before and after the event. Additionally, such special events may occur only a few days of the year.

Temporary traffic control measures, such as police control at critical intersections, restricting certain traffic movements, use of transportation alternatives and other mitigating measures, are recommended. These mitigating measures recommended for the Hula Bowl can also be used for other major events at the War Memorial Stadium.

Provisions for parking facilities at several locations in the area will also reduce the concentration of traffic on Kanaloa Avenue. The Department of Parks and Recreation will require a parking plan for events such as the Hula Bowl which are expected to exceed the 6,600 seat capacity of the stadium. Moreover, future roadway improvements in Wailuku, such as the

Gary Gill, Director  
August 25, 1997  
Page 2

Papa Avenue extension, Waiale Road widening, and the Central Maui Parkway will improve access to the Stadium site and should assist in reducing congestion during the events.

If you have any questions on the above response, please feel free to call me. Thank you for your comments on the Environmental Assessment.

Sincerely,



HENRY OLIVA  
Director

HO:to  
com/stadium/veqctr.001

Council Vice-Chair  
James "Kimo" Apana

Council Members  
Alan M. Arakawa  
J. Kalani English  
Sol P. Kaho'ohalahala  
Alice L. Lee  
Dennis Y. Nakamura  
Wayne K. Nishiki  
Charmaine M. Tavares



**COUNTY COUNCIL**  
COUNTY OF MAUI  
200 S. HIGH STREET  
WAILUKU, MAUI, HAWAII 96793

August 6, 1997

TO: County of Maui  
Department of Parks and Recreation  
1580-C Kaahumanu Avenue  
Wailuku, HI 96793  
Attn.: Henry Oliva, Director

and

Munekiyo and Arakawa  
305 High Street  
Wailuku, HI 96793

and

Office of Environmental Quality Control  
235 South Beretania Street  
Honolulu, HI 96813

FROM: Wayne K. Nishiki, Councilmember  
County of Maui  
200 South High Street  
Wailuku, HI 96793

RE: **COMMENTS AND QUESTIONS ABOUT THE ENVIRONMENTAL  
ASSESSMENT FOR THE RENOVATION OF THE WAR  
MEMORIAL STADIUM.**

Pursuant to the Environmental Notice published July 8, 1997, by the State of Hawaii, Office of Environmental Quality Control with respect to the Maui War Memorial Stadium Renovations, I am submitting these comments and questions.

The Environmental Assessment (EA) does not address the social impact of reducing and restricting the use of the War Memorial Stadium by the Maui community and particularly by the youth who participate in sports. The EA states that "During construction, it is anticipated that existing users of the stadium including interscholastic football and soccer will be accommodated although construction areas will be segregated from general pedestrian traffic." **THIS IS NOT TRUE.**

Environmental Assessment Comments  
Page 2  
August 6, 1997

The Pop Warner Football Federation has used the stadium for all of its games for many years. The League was first told that it could not use the stadium and is now being told that its use will be half the former use.

Please respond to the following questions regarding Pop Warner:

PW1: How many young people are involved in Pop Warner football as players and cheerleaders?

PW2: How many adults are involved as coaches, referees, team parents, and spectators?

PW3: How do proposed alternative sites for the games differ from use of the stadium?

PW4: What is the benefit to the community which accrues from the community involvement in the Pop Warner Football Federation?

PW5: What alternatives are available for young boys ages 8-11 which can replace Pop Warner if the league no longer seems as exciting to them because they cannot use the Stadium?

Soccer is a very popular sport on Maui. Many boys and girls play in soccer leagues throughout grade school and junior high school. The ultimate goal for many of our young people is to play Maui Interscholastic League (MIL) Soccer. The EA does not address the fact that these players have been told they cannot play in the War Memorial Stadium.

Please respond to the following questions as they relate to soccer usage of the Stadium:

S1: How many boys and girls are involved in MIL varsity and Junior Varsity Soccer?

S2: Keeping in mind the desirability of prime time i.e. night games, visibility for spectators viewing the games from the bleachers and the need for a good facility to attract fans, please address the impact on the MIL soccer players of their inability to play in the Maui War Memorial Stadium.

Environmental Assessment Comments

Page 3

August 6, 1997

In addition to the youth sports activities, adult soccer leagues also use the Stadium.

Please answer the following questions as they relate to adult soccer use of the War Memorial Stadium:

AS1: How many adult groups use the Stadium for sports activities and how will these activities be affected?

AS2: What alternate facilities with lights and bleachers are available for these activities?

Track and field activities rely on the excellent condition of the track at the War Memorial Stadium. The possible effect on the track of the bleacher placement has not been addressed.

Please answer the following questions as they relate to track and field usage at the Maui War Memorial Stadium:

TF1: Has the manufacturer of the track material been consulted with respect to the effect on the track of bleacher placement?

TF2: Are any track and field activities, including practices, being displaced?

The construction activities are presumed to be one time activities in the EA. However, it now appears that the condition of the field for the Hooter's Hula Bowl will require some "rest" period and reduction of games to reduce wear and tear.

With respect to field condition please answer the following:

FC1: How long a rest period would be required to ensure that the field is in an acceptable condition for the Hooter's Hula Bowl?

Environmental Assessment Comments

Page 4

August 6, 1997

FC2: What type of grass surface and condition is required for the Hooter's Hula Bowl?

FC3: What restrictions on games and other stadium uses will these conditions require?

According to the EA there are 800 on site parking stalls. However these stalls have apparently been given over to the promoter of the event. Please address the parking situation for the public without regard to on site spaces. Also, since the EA includes soccer fields as parking, please discuss the impact of that use on the soccer community.

The proposed expansion of the War Memorial Stadium to accommodate the Hooter's Hula Bowl beginning in January 18, 1998, and for a four year period thereafter, is likely to have a significant effect on the large number of users of this facility, including, among others, youth and adult sports groups. Therefore, an Environmental Impact Statement must be prepared for the proposed renovation of the War Memorial Stadium.

Thank you for addressing our concerns. We look forward to your timely response.



DEPARTMENT OF  
PARKS AND RECREATION  
COUNTY OF MAUI

1580-C Kaahumanu Avenue, Wailuku, Hawaii 96793

LINDA CROCKETT LINGLE  
Mayor  
HENRY OLIVA  
Director  
ALLEN SHISHIDO  
Deputy Director

(808) 243-7270  
FAX (808) 243-7933

August 25, 1997

Honorable Wayne K. Nishiki, Councilmember  
Maui County Council  
County of Maui  
200 South High Street  
Wailuku, Hawaii 96793

RE: War Memorial Stadium Renovations

Dear Councilmember Nishiki:

We have received your transmittal of August 6, 1997 pertaining to the subject project and would like to provide a response to your concerns.

With regard to impacts on existing users of the stadium facility, we have made and will continue to make every effort to accommodate all existing users to the greatest extent practicable. However, the Hula Bowl represents an additional user of the facility which needs to be taken into consideration. While youth and school sporting events would also be able to utilize the improved facility, it may not be available to the same extent that it has in the past during the weeks preceding the Hula Bowl. We have worked and will continue to work with existing users in assisting with arrangements for accommodations relating to specific events.

Our most recent meeting with Maui Pop Warner Football Federation and Maui Interscholastic League (MIL) officials occurred on August 7, 1997. At that meeting, we believe that these parties have come to an amicable agreement on usage of the stadium. The Maui Pop Warner Federation will be able to use the field for Sunday games as well as five (5) Saturday dates. The MIL soccer season starts in November. Those soccer games originally scheduled at the War Memorial Stadium during the first half of the season will be played at Maui High School. After the Hula Bowl, MIL soccer will be able to utilize the War Memorial Stadium. For subsequent soccer seasons, soccer games during the first half of the season can be played at the War Memorial Stadium up to two (2) weeks prior to the Hula Bowl.

During periods of heavy use, it is planned that existing users would be able to utilize the field on Fridays, Saturdays and Sundays. Our intent is to try to accommodate existing users such as MIL junior varsity and varsity football, Pop Warner football, MIL soccer, track and field, and adult soccer, within this schedule. The remainder of the week is planned for care and restoration of the field in order to maximize participant safety.

Honorable Wayne K. Nishiki, Councilmember  
August 25, 1997  
Page 2

While temporary bleachers are proposed to be constructed on a portion of the existing track, it is noted that these bleachers will be removed immediately after the Hula Bowl. We will consult with the manufacturer of the track material to ensure that no damage to the track occurs.

With regard to parking, it is noted that the Department of Parks and Recreation will require a parking plan for events which are expected to exceed the 6,600 seat capacity of the stadium. There are approximately 760 parking stalls in the parking lot which services the War Memorial Stadium. There are 800 potential additional on-site stalls. These are at the War Memorial Gym, an area adjacent to the Little League fields, and on the practice soccer field at the corner of Kaahumanu and Kanaloa Avenues.

Similarly, there are 1,800 off-site stalls on adjacent lots. These include 600 stalls at Baldwin High School, 300 stalls at the Kaiser Clinic, 600 stalls at the Central Maui Youth Center, 200 stalls on the Keopuolani Park multi-purpose field and 100 stalls in the existing grassed area immediately to the north of the War Memorial Stadium.

The use of these additional on-site and off-site stalls would be allowed for stadium use only to the extent that parking is not required for events at the respective on-site and off-site facilities. Thus, the parking lots or areas would be vacant at the time of usage for events held at the stadium.

In conclusion, we believe that the proposed project provides existing users and the general public with an upgraded facility for use and enjoyment. Within the EA, we have evaluated a broad array of possible environmental impacts resulting from the project, including possible effects upon existing users of the facility. We have considered the significance criteria noted in Section 11-200-12, Hawaii Administrative Rules, and have found that there are no significant environmental impacts resulting from the project. Thus, it is our determination that an Environmental Impact Statement is not necessary.

Thank you for the opportunity to provide a response. If you have any questions, please feel free to call me.

Sincerely,



HENRY OLIVA  
Director

HO:to  
com/stadium/nishiki.ltr

AUG 11 1997

ISAAC DAVIS HALL

ATTORNEY AT LAW

2087 WELLS STREET

WAILUKU, MAUI, HAWAII 96793

(808) 244-9017

FAX (808) 244-6775

OF COUNSEL:  
G. RICHARD GESCH

August 7, 1997

Via Facsimile and U.S. Mail

Mr. Henry Oliva, Director  
Department of Parks and Recreation  
1580-C Ka'ahumanu Avenue  
Wailuku, HI 96793

Re: Comments on Draft Environmental Assessment for War Memorial  
Stadium Renovations

Dear Henry Oliva:

This letter is written on behalf of Maui Malama Pono, Inc. and Dana Naone Hall. These are our comments upon the Draft Environmental Assessment ("DEA") for the War Memorial Stadium Renovations ("the project"). This DEA will not support a Finding of No Significant Impact ("FONSI") for the following reasons.<sup>1</sup>

I. PROJECT DESCRIPTION

The use of County funds and County lands are proposed for this project. The project will almost triple the seating capacity of the War Memorial Stadium. Initially, the stadium expansion is to accommodate the Hula Bowl; however, other events of similar size will also be accommodated thereafter. The number of seats will increase from 6,600 to at least 19,000. Of the 10,000 additional permanent seats will be provided along with 2,400 temporary seats (the latter will be located on the track). Additional parking will need to be provided for the 12,400 seats. The estimated construction cost of \$1.2 million will be paid by Maui's taxpayers.

II. HISTORY OF THE PROJECT

Near the end of this year's budget process, Mayor Lingle first disclosed to the Maui County Council that her administration and representatives of the visitor's industry had negotiated in private an agreement to bring the Hula Bowl to Maui. She sought Council approval for an allocation of \$1.2 million in the County budget for the project. Public review was extremely limited. The Council approved the allocation based upon the Mayor's promise not to disrupt any of the existing uses of the stadium. At this time, it was already known that the Maui Interscholastic League ("MIL") was

<sup>1</sup> These commenters hereby incorporate by reference all other comments submitted on this DEA.

expanding to include King Kekaulike High School and Ka'ahumanu Hou School.

### III. CHAPTER 343

The use of County funds and lands are mandatory triggers requiring the preparation of a DEA. A DEA is intended to be a preliminary environmental document to determine whether or not a full Environmental Impact Statement ("EIS") must be prepared. If the DEA discloses that a project "may" have significant adverse impacts, an EIS must be prepared.

County funds may not be spent and County lands may not be used for the project until the completion of the environmental process. It appears that the County has violated these "no action" provisions by moving forward with this project before the process has been completed.

### IV. LONG-TERM AND CUMULATIVE IMPACTS

A DEA must address the long-term and cumulative impacts of a project. This DEA only addresses short-term impacts as if the renovated stadium would only be used for the annual Hula Bowl event. Once the stadium has the capacity to seat 19,000 people, it would open the door to organizations seeking to sponsor similar size events. An early example of this has been the proposal to relocate the Rolling Stones Concert from Aloha Stadium on O'ahu to the War Memorial Stadium on Maui, which would now be large enough for such a concert. Other proposals of this nature will surely follow. The DEA is inadequate because it fails to address these additional uses and the long-term and cumulative impacts of these additional uses.

### V. EXISTING USES

The DEA acknowledges that the stadium is used for football, soccer, track events, special events and is also utilized as a jogging track. However, the DEA does not identify the number of users involved with these various activities and the times when they are likely to use the facility. The DEA should include information on the seasons and the number of games for the various sports activities that are conducted in the stadium (i.e. Pop Warner and MIL leagues), and the numbers of users involved with each of these activities. Users includes players, cheerleaders, coaches, officials, referees, and spectators, among others. The DEA should also disclose the number of individuals who use the stadium for exercise and other recreational activities, including walking, jogging, and family play.

Although the DEA states that "it is anticipated that existing users of the stadium, including interscholastic football and soccer, will be accommodated although construction areas will be segregated from general pedestrian traffic[.]" Mayor Lingle's administration has made it clear that existing users of the facility will be affected both during construction and at

other times. Please see the attached Exhibits "A" and "B", which are copies of Maui News articles.

The effects on existing uses and users of the stadium facility are likely to be significant. For instance, the removal of all soccer games (one estimate is that fifty games will be affected) from the stadium is a significant effect that must be addressed. The Maui Pop Warner League is also protesting a policy decision to remove some or all of its games from the stadium. In addition, the inability of the Maui Interscholastic League to use the stadium for football games on Thursday nights is also a significant adverse effect, based on a loss of revenue to the league of between \$20,000 to \$50,000. Furthermore, Saturday afternoon games in lieu of Thursday night games are less desirable to the MIL.

As a final example, the effect on track and field usage of the stadium has not been adequately addressed in the DEA. The DEA does not disclose whether any track and field practices and other activities would be affected by the construction and yearly preparations for the Hula Bowl. If any track and field activities are prevented or displaced due to the expansion of the stadium for the Hula Bowl and other large spectator events, this may result in a significant adverse effect.

The DEA must identify and analyze all restrictions on and displacements of current and anticipated uses of the stadium that would result from stadium renovation construction and yearly preparation periods for the Hula Bowl and other potential large spectator events, including any periods of time that may be necessary to rest or restore the playing field.

## VI. PHYSICAL ENVIRONMENT

### Surrounding Land Uses/Air Quality

Although the DEA acknowledges that the Sand Hills residential area is located immediately to the north of the stadium, it states that the "proposed project is not anticipated to have an adverse effect on surrounding land uses and activities." The DEA makes no attempt to analyze the increased noise levels that will result from bigger crowds using the expanded stadium facility. Nor does the DEA analyze the effect of increased loudspeaker volumes that will be needed to broadcast to larger crowds in an expanded stadium facility.

Because the increases in noise levels would be "temporary," the DEA wrongly assumes that there will be no adverse effect on nearby residences. The EA fails to take into account the proximity of residential development to the stadium. In this important respect, War Memorial Stadium differs from Aloha Stadium on O'ahu, which is not located next to residential areas.

Finally, the DEA contains no assurances that construction activities will be limited to daylight working hours. Since the construction

period is so severely constrained by the necessity of meeting the January 1998 Hula Bowl date, it is reasonable to assume that some construction activity may take place at night when increased noise levels will have a greater effect on residential neighborhoods. The DEA must address this issue.

## VII. SOCIO-ECONOMIC ENVIRONMENT AND PUBLIC SERVICES

### Population and the Local Economy

The DEA identifies only beneficial impacts on the local economy as a result of the Hula Bowl. It fails to include any discussion about the detrimental effect on MIL revenues of moving Thursday night football games to Saturday afternoons. MIL executive secretary Stephen Kim has stated that revenue losses could be as much as \$50,000 for the fall season. Mr. Kim has explained to county officials that football revenues are used to support other low revenue-generating sports. The MIL currently offers approximately twenty-one different sports to Maui students and any loss of revenue would significantly affect less popular, but no less important, sports.

## VIII. INFRASTRUCTURE

### Traffic and Parking

The DEA states that one parking stall for every six seats is required by the Maui County Code, and estimates that 2,067 parking stalls would be required for the 12,400 additional permanent and temporary seats. Actually, the 12,400 new seats added to the current 6,600 seat capacity totals 19,000 seats, which would require approximately 2,407 parking stalls. The existing stadium parking lot consists of 760 parking stalls, 340 less than the 1,100 stalls required by the current code.

The DEA proposes to provide additional parking at other parking lots within the War Memorial Complex. This would include 260 stalls adjacent to the War Memorial Gym, 330 stalls on the War Memorial Little League grassed area and 210 stalls on the practice soccer field at the Kanaloa and Ka'ahumanu Avenues corner. Use of these 800 stalls for events like the Hula Bowl in the War Memorial Stadium would entail restricting other events from being held at other areas of the County-owned War Memorial Complex. This would constitute a potentially significant adverse effect which has not been addressed in the DEA.

The DEA further states that because the County owns land at the Central Maui Youth Center (600 stalls), Keopuolani Park multi-purpose field (200 stalls), and employee parking in the grassed area north of the football stadium (100 stalls), "uses at these properties could also be temporarily limited to allow for peak event parking availability for the stadium." The DEA fails to address the impacts of the restriction or constriction of uses at the Central Maui Youth Center and Keopuolani Park that may occur when these parking facilities are only available for large spectator events like the Hula Bowl.

## IX. PLANNING AND ZONING

The only zoning district within which baseball and football stadiums are expressly permitted is the B-2 Community Business District. Maui County Code, Chapter 19.18. Stadiums are not expressly permitted in the R-3 Residential District within which this property lies. Now that the stadium is being nearly tripled in capacity to accommodate a nationally televised college football event, a change in zoning may be required.

One of the primary purposes of Chapter 343 is to assure extensive public participation at the earliest practicable time in the formulation of agency actions. This guiding principle has obviously been violated here.

## X. ALTERNATIVES

The section on alternatives in the DEA is insufficient. Only the project and no action at all are addressed. Other alternatives should have been formulated and evaluated.

## XI. SIGNIFICANCE CRITERIA

According to our Environmental Regulations, an action shall be determined to have a significant impact on the environment if any one of several criteria are met. Four of these criteria are, in fact, met here.

First, the proposed action will curtail the range of beneficial uses of the environment. Instead of keeping her promise to the Council and stadium users, the Mayor has announced that numerous existing uses of the stadium will have to be curtailed to make way for the Hula Bowl. An EIS must be prepared based upon this alone.

Second, the social welfare of the community will be substantially affected for the same reasons given above.

Third, there will be substantial secondary impacts and public infrastructure will be overburdened if it must accommodate such large scale events.

Fourth, the proposed action does involve a commitment to larger actions, as has been discussed in the section above on long-term and cumulative impacts.

## XII. CONCLUSION

This DEA is so inadequate that it should be withdrawn and a new DEA prepared. As it is written now, it will not support a FONSI or a Negative Declaration as a matter of fact or law. As it now stands, an EIS is required.

Thank you for the opportunity to comment on this DEA. Please contact us if you have questions about any of the above. I look forward to hearing from you.

Sincerely yours,

*Isaac Hall DNH*  
Isaac Hall

*Dana Naone Hall*  
Dana Naone Hall

cc: Maui Malama Pono  
Munekyo and Arakawa  
Office of Environmental Quality Control  
Patrick S. Kawano

Encl.

# CORRECTION

THE PRECEDING DOCUMENT(S) HAS  
BEEN REPHOTOGRAPHED TO ASSURE  
LEGIBILITY  
SEE FRAME(S)  
IMMEDIATELY FOLLOWING

Thank you for the opportunity to comment on this DEA. Please contact us if you have questions about any of the above. I look forward to hearing from you.

Sincerely yours,

*Isaac Hall DNH*  
Isaac Hall

*Dana Naone Hall*  
Dana Naone Hall

cc: Maui Malama Pono  
Munekiyo and Arakawa  
Office of Environmental Quality Control  
Patrick S. Kawano

Encl.

# Hula Bowl kicking off a furor over scheduling

By TIMOTHY HURLEY  
Staff Writer

WAILUKU — Mayor Linda Crockett Lingle and members of her administration are being blitzed over War Memorial Stadium scheduling problems.

These are the latest developments:

■ As compensation for anticipated revenue losses caused by rearranging its schedule of high school football games, the Maui Interscholastic League is asking for the food and drink concession at the Hooters Hula Bowl college all-star football game Jan. 18.

■ The teams in the Maui Pop Warner youth football league voted Wednesday not to accept a compromise that would allow only half its scheduled games in the stadium.

■ Upset that stadium users are being displaced this fall, several Maui County Council members are urging users to attend Friday's 9 a.m. council meeting to express their

## ALSO SEE . . .

■ The Maui Interscholastic League has unveiled its 1997 football schedule. The preseason schedule includes Maui teams matching up against powerhouses like Puhahou and Waianae.

ON PAGE B1

displeasure with the situation.

Stadium construction for the Hula Bowl was being blamed for the scheduling problems, but Lingle said this morning the two issues are entirely separate.

She said the problem is linked to the expansion of the MIL football season from 12 to 30 games due to the addition of two teams. She said a decision was made to give the field more rest during the week, thus

moving all games to the weekend.

Moving Pop Warner was a policy change to match small-spectator events with appropriately sized fields, the mayor said.

Earlier in the week, Parks and Recreation Director Henry Oliva said the scheduling changes were being made in part to preserve the stadium field for the Hula Bowl.

War Memorial Stadium expansion is scheduled to begin in September. The project calls for installing 20,000 permanent and temporary seats.

Stephen Kim, MIL executive secretary, said this morning that he made a formal request to the mayor to offset losses that could go as high as \$50,000 this fall.

"We're willing to help, but we're catching it on this," Kim remarked.

The league, which is expanding from four to six teams, had planned to use the stadium

See HULA

on the next page

## Hula Bowl kicking off a scheduling furor

July 31, 1997

Continued from Page A1

not only Friday and Saturday nights, as in the past, but Thursday nights as well. County officials asked them to move the Thursday night games to Saturday afternoons to allow for construction that would close the field Monday through Friday afternoons.

Kim estimated that the afternoon games would result in a minimum revenue loss of \$20,000 — and probably more — because the double-header admission price is the same as a single-game ticket. Games last season averaged an attendance of 3,500.

"The MIL is attempting to cooperate but it appears that the high school programs are the brunt of the sacrifice and inconvenience," Kim wrote in a letter to the mayor this week.

"To be awarded the concession rights would help alleviate our financial loss. The only other recourse would be to ask the Hula Bowl to compensate the loss," he wrote.

As part of the Hula Bowl agreement, nonprofit organizations are

supposed to be given an opportunity to earn money from game concessions.

Kim said he didn't know how much the concession was worth, but it would certainly help, because football revenue helps to pay for the MIL's less-popular sports.

Lingle said concession requests are being handled by the Maui Visitors Bureau.

Meanwhile, Maui Pop Warner team representatives met Wednesday night and rejected a compromise offered by Lingle in a meeting with league officials Tuesday. Team representatives indicated they wanted the mayor to stand by her original promise not to displace stadium users.

Attending the meeting were three council members: Wayne Nishiki, Alan Arakawa and James "Kimo" Apana. They urged the football representatives to attend Friday's meeting in the ninth-floor Council Chambers of Kalana O Maui.

Arakawa said the council may end

up asking Lingle to stand by her original commitment not to displace stadium users.

The mayor not only agreed to leave the users alone, she also agreed to hold off construction until after Thanksgiving, according to Arakawa. In addition, the administration agreed to form a task force of stadium users to discuss the issues, but that hasn't happened.

Arakawa added that he's trying to determine what authority the council has "to force the administration do what they said they would do."

"Everything we do with the administration, we do on trust," he said. "We must be able to believe what they are telling us."

In addition to the football users, the MIL is moving 50 soccer games out of the stadium to Maui High School, and joggers and walkers who use the track will be forced out, too.

Nishiki and Arakawa said they may not have ended up voting to support the bowl game if they knew that users were going to be displaced.

EXHIBIT "A"

EXHIBIT "B"

# Hula Bowl displaces kids; Lingle takes heat

## Mayor broke promise, some say; she says state hasn't done its job

By TIMOTHY HURLEY  
Staff Writer

WAILUKU — The furor over War Memorial Stadium scheduling problems continued before the Maui County Council Friday, with Mayor Linda Crockett Lingle pointing a finger at state government for not building enough youth sports facilities on Maui.

"Don't use the Hula Bowl as an excuse," she told council members and more than 30 people in the eighth-floor Council Chambers at Kalana O Maui. "Don't let the state off the hook for their deficiencies."

The remarks were made during a discussion about the rescheduling of sporting events blamed by many on the preparations for the Hooters Hula Bowl college football all-star game to be played on Maui Jan. 18.

The item was referred by the council to its Parks and Recreation Committee for additional discussion.

The controversy began brewing when Lingle administration officials told Maui Pop Warner that it couldn't play its youth football games in War Memorial Stadium this fall. Lingle later compromised, allowing games on Sundays only.

Administration officials also in-

formed the Maui Interscholastic League that its fall high school football schedule had to be rearranged to give the field more weekday rest. What's more, 50 MIL soccer games, scheduled between November and January, were moved from the stadium to a Maui High School field.

During public testimony Friday, the mayor and her lieutenants were lambasted, accused of doing everything from lying to cutting back-room deals.

Hearing this, Lingle came down from her ninth-floor office to respond to the criticism.

She said she was embarrassed by comments from council members and some community members in the press last week. She said the council members didn't even bother to drop by her office or call her.

"You simply listened to one side and created a public furor that was not in the best interest of this county," she said.

Lingle stressed that the county has been working hard to make up for the state's negligence in not providing the kind of high school football stadiums on Maui that it has on Oahu.

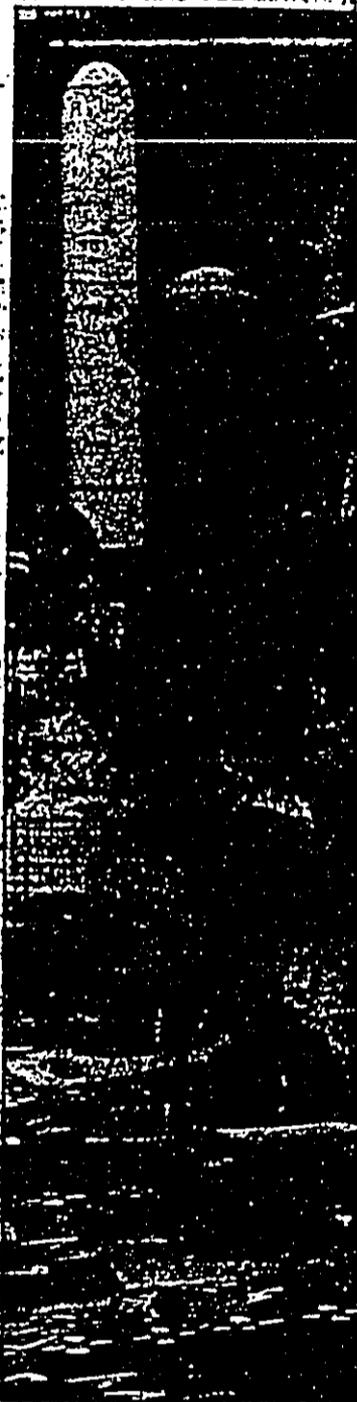
See HULA BOWL  
on Page A3

# Cold War strategy kept lid on identifying UFOs as spy planes

By WILLIAM J. BROAD  
The New York Times

While commercial airliners in the 1950s flew at altitudes of up to 30,

A taste that m

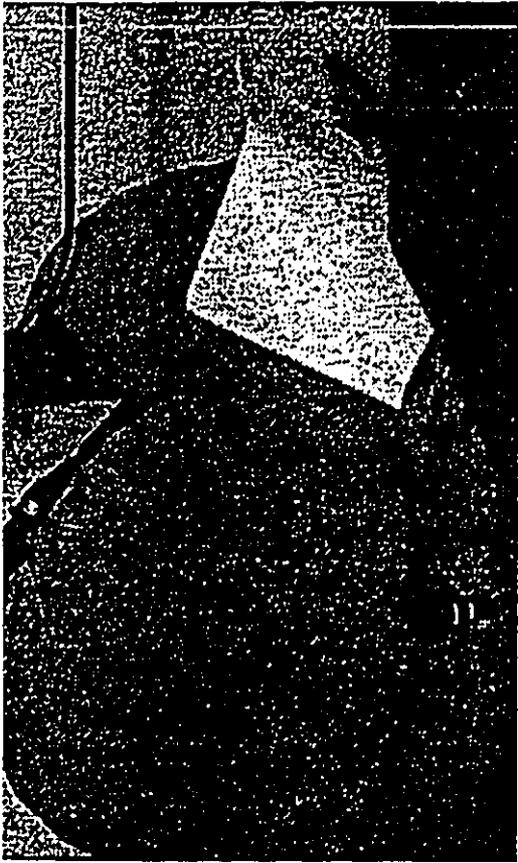


## Onion fest means tea and cheese

Maui's most famous vegetable was the center of attention Sat



Lahaina Pop Warner Association supporter April Lum (left) and Lahaina Chiefs head coach Leo Delatorri were among those appearing before the County Council Friday to express their displeasure with the county's decision to cut back youth football games at War Memorial Stadium. Delatorri said he is worried that this means youngsters will not be allowed to use the stadium not just this year, but at any time in the future.



Leo Delatorri said he is worried that this means youngsters will not be allowed to use the stadium not just this year, but at any time in the future.

The Maui News / MATTHEW THAYER photo

# Hula Bowl displaces kids; Lingle takes heat but dishes out some criticism, too

Continued from Page A1

"Don't allow our community to be torn apart for political purposes," declared the mayor, who is expected to challenge Democratic Gov. Ben Cayetano in next year's election.

Lingle said the problems were created by the expansion of the MIL football schedule at a time when the county is attempting to complete \$1.2 million in stadium construction for the Hula Bowl.

"You and I knew there would be some challenges," she said, adding that she was up-front with MIL officials about sacrifices that would have to be made.

Earlier in the meeting, many speakers were not shy in their criticism of the mayor.

"She has broken her promise," declared Wanda Ng, the mother of two football players, one at Maui High School and one at other in Pon

Warner. "The people have been lied to."

April Lum of the Lahaina Pop Warner Association said Lingle promised league officials their games wouldn't be displaced from the stadium.

"The first day of practice is this afternoon, and we still don't know where our games are going to be played," she said.

Stephen Kim, MIL executive secretary, said he was led to believe the Hula Bowl would not affect their newly expanded football schedule, created by the addition of King Kekaulike and Kaahumanu Hou high schools.

"We left (the Hula Bowl council hearing) thinking it was a win-win situation, but it hasn't worked out that way," he said.

Kim also complained that Lingle and her staff made no attempt to meet or communicate with out offi-

cials, even though she promised they would.

Michael Victorino said the administration must fulfill its commitment to Maui's youth or else the Hula Bowl is doomed to fail because the community will not support it.

John Louis Miller agreed, saying the Hula Bowl "may work, but only if we make it work first for the community."

"This is a sad day for our kids," Duane Korda told the council. "All the kids ask is a fair shake and to have a chance to play in a football stadium. If you guys have heard, you'll let them play there. I hope the mayor has heard."

Miller added: "I believe it is the Hula Bowl (the mayor's) concerned about, not the field or the youth of Maui."

But Don Couch said the scheduling restrictions will help the condition in the firm. With various local

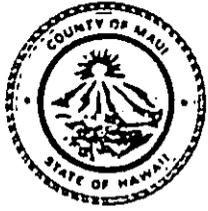
school football games increasing from 12 to 30 games, the field would be torn up if every stadium activity is allowed to go forward.

Couch said if people really are concerned about the youth and their safety, they wouldn't let them play on a field scarred by too much play.

Couch called for peace and cooperation. "Let's not fight this in the papers," he said.

After the meeting, Council Member Alan Arakawa said he hopes the Parks and Recreation Committee puts enough pressure on Lingle to make her comply with the promises she made during the council hearing in April on authorizing spending for stadium improvements.

Council Member Wayne Nishiki said Lingle got into this mess because she didn't get all the stadium users together to discuss the scheduling problems. He said perhaps the



DEPARTMENT OF  
**PARKS AND RECREATION**  
COUNTY OF MAUI

1580-C Kaahumanu Avenue, Wailuku, Hawaii 96793

LINDA CROCKETT LINGLE  
Mayor  
HENRY OLIVA  
Director  
ALLEN SHISHIDO  
Deputy Director

(808) 243-7230  
FAX (808) 243-7934

August 25, 1997

Isaac Davis Hall  
Attorney at Law  
2087 Wells Street  
Wailuku, Hawaii 96793

RE: War Memorial Stadium Renovations

Dear Mr. Hall:

Thank you for your August 7, 1997 comments on the Draft Environmental Assessment (EA) pertaining to the subject project. We would like an opportunity to provide a response.

**I. PROJECT DESCRIPTION**

We would like to note that the estimated construction cost of \$1.2 million for the project will be paid by the County of Maui initially. However, it is anticipated that over the next five (5) years, Maui's hotels will reimburse \$500,000 of the construction cost to the County based on projected additional revenue received through increased visitor spending resulting from the Hula Bowl and its related activities.

**II. HISTORY OF THE PROJECT**

We note that the allocation of \$1.2 million for the proposed project was approved through the County Council's budget process. Posting of agendas for Council and Committee deliberations were done in accordance with applicable laws. All Council and Committee meetings were open to the public and allowed testimony.

**III. CHAPTER 343**

After preparing a final environmental assessment, reviewing public and agency comments, and applying the significance criteria in Section 11-200-12, Hawaii Administrative Rules (HAR), we have found that the proposed action would result in no significant environmental impacts. Thus, a negative declaration is being filed in accordance with Section 11-200-11.2(a)(2), HAR. We believe that we are in compliance with all applicable provisions of Chapter 343, Hawaii Revised Statutes.

#### IV. LONG TERM AND CUMULATIVE IMPACTS

With regard to long term and cumulative impacts, we would like to note that although stadium capacity is proposed to be increased, we anticipate that use of the stadium over its current 6,600 seat capacity will occur only on an infrequent basis. In order to fill the stadium with 19,000 people, approximately one (1) of every five (5) Maui residents would need to attend an event which is not likely on a regular basis. Other possible users such as rock bands currently have other venues available such as the Maui Arts and Cultural Center or Lahaina Tennis Stadium for its use.

#### V. EXISTING USES

With regard to impacts on existing users of the stadium facility, we have made and will continue to make every effort to accommodate all existing users to the greatest extent practicable. However, the Hula Bowl represents an additional user of the facility which needs to be taken into consideration. While youth and school sporting events would also be able to utilize the improved facility, it may not be available to the same extent that it has in the past during the weeks preceding the Hula Bowl. We have worked and will continue to work with existing users in assisting with arrangements for accommodations relating to specific events.

Our most recent meeting with Maui Pop Warner Football Federation and Maui Interscholastic League (MIL) officials occurred on August 7, 1997. At that meeting, we believe that these parties have come to an amicable agreement on usage of the stadium. The Maui Pop Warner Federation will be able to use the field for Sunday games as well as five (5) Saturday dates. The MIL soccer season starts in November. Those soccer games originally scheduled at the War Memorial Stadium during the first half of the season will be played at Maui High School. After the Hula Bowl, MIL soccer will be able to utilize the War Memorial Stadium. For subsequent soccer seasons, soccer games during the first half of the season can be played at the War Memorial Stadium up to two (2) weeks prior to the Hula Bowl.

During periods of heavy use, it is planned that existing users would be able to utilize the field on Fridays, Saturdays and Sundays. Our intent is to try to accommodate existing users such as MIL junior varsity and varsity football, Pop Warner football, MIL soccer, track and field, and adult soccer, within this schedule. The remainder of the week is planned for care and restoration of the field in order to maximize participant safety.

## VI. PHYSICAL ENVIRONMENT

### Surrounding Land Uses/Air Quality

With regard to noise, it is noted that the Hula Bowl is planned to take place during weekend daylight hours. In this regard, daytime noise impacts should not be significant. Improvements to the stadium's public address system are proposed which would involve the placement of additional speakers within the stadium. The current system utilizes a single source which involves a relatively high volume level in order to be audible. We will utilize additional speakers in order to better direct the sound to the audience. We will work closely with the manufacturer in order to select a system which minimizes noise impacts beyond the project's boundaries.

Construction on the project will be limited to daylight hours to the greatest extent practicable. If night construction activities are pursued and such activities would exceed nighttime noise thresholds, then a noise variance application would be submitted to the Department of Health.

## VII. SOCIO-ECONOMIC ENVIRONMENT AND SOCIAL SERVICES

### Population and the Local Economy

With regard to potential lost revenue to the Maui Interscholastic League, we are working with the Maui Visitors Bureau in involving the League in the Hula Bowl's parking and food concessions. This would help to offset potential lost revenue.

## VIII. INFRASTRUCTURE

### Traffic and Parking

With regard to traffic and parking, we note that the existing stadium parking lot of approximately 760 stalls has been grandfathered. However, there are 800 potential additional on-site parking stalls as well as 1,800 potential off-site stalls on adjacent lots which are available. With the existing stadium parking lot, there are potentially 3,360 on-site or off-site stalls on adjacent lots.

Moreover, the EA mentions that there are other potential parking areas such as 700 stalls at the Maui Community College fields at the corner of Kaahumanu and Papa Avenues, 375 stalls at the Maui Arts and Cultural Center, and 600 stalls at the Maui Community College parking lot. These other potential areas total 1,675 stalls.

The peninsula adjacent to Kahului Beach Road may also be utilized for bus parking. Express bus service for Lahaina, Kihei, and Upcountry residents is a possible option. Local school parking lots could be used as pick up and drop off points. Bus service may also be utilized for visitors attending an event at the stadium.

The Department of Parks and Recreation will require a parking plan for events which are expected to exceed the 6,600 seat capacity of the stadium. The use of additional on-site and off-site stalls would be allowed for stadium use only to the extent that parking is not required for events at the respective on-site and off-site facilities.

Special events, such as the Hula Bowl, generally occur in the evenings and weekends. Typically, these events will occur only for short durations such as 3 to 5 hours, except for carnivals or fairs which may be ongoing for longer periods of time. Additionally, such special events may occur only a few days of the year. Thus, any effects on neighboring uses would only be on an infrequent basis.

#### **IX. PLANNING AND ZONING**

With regard to zoning, we have noted in the EA that the proposed project is permitted in the R-3 Residential District under the category of "buildings or premises used by the federal, State, or County governments for public purposes". Thus, no change in zoning is warranted.

#### **X. ALTERNATIVES**

With regard to alternatives, we believe that the proposed action and the no action alternative are the only two (2) alternatives which can be reasonably formulated and considered.

#### **XI. SIGNIFICANCE CRITERIA**

Within the EA, we have evaluated a broad array of possible environmental impacts resulting from the project. We do not believe that the range of beneficial uses of the environment will be curtailed. Moreover, we do not find that the social welfare of the community will be substantially affected. As noted earlier, we have met and will continue to meet with existing users to assist in the provision of field accommodations to the greatest extent practicable.

We do not believe that there will be substantial secondary impacts and overburdening of public infrastructure resulting from the project. There is also no commitment to larger actions nor any long term and cumulative impacts resulting from the project. Each special event is likely to occupy a 3 to 5 hour time frame. These events could occur on an infrequent basis within a typical year.

Isaac David Hall  
August 25, 1997  
Page 5

**XII. CONCLUSION**

We have considered all the significance criteria noted in Section 11-200-12, Hawaii Administrative Rules, and have found that there are no significant environmental impacts resulting from the project. Thus, it is our determination that an Environmental Impact Statement is not necessary.

Thank you for the opportunity to provide a response. If you have any questions, please feel free to call me.

Sincerely,



HENRY OLIVA  
Director

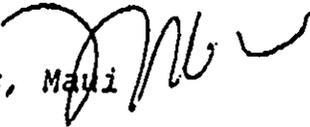
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TELECOPIER TRANSMISSION NOTE

DATE: 8/11/97

NUMBER OF PAGES: 1 (INCLUDING THIS COVER SHEET)

TO: Mr. Milton Arakawa  
Munekiyo & Arakawa, Inc.

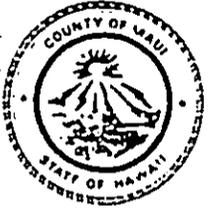
FROM: Ferdinand Cajigal  
DOT - State Highways, Maui 

SUBJECT: War Memorial Stadium Renovations, Hula Bowl

These are our comments:

1. It appears that Lower Main Street will be overloaded. Side street and driveway traffic will suffer. Consider posting police officers at these intersections, especially at Waihehu Beach Road and Kahului Beach Road;
2. Is it necessary to adjust traffic signal timing? Why not flash intersections and have police officer(s) manually control these signals?
3. Install directional signs to direct motorists to the stadium, especially at Kaahumanu Ave./Kahului Beach Road, Honoapiilani Highway/Kehalani Parkway, etc.
4. Publish revised route in a local newspaper for at least three (3) times before the event. Provide as much coverage on TV and radio, etc.

/fmc



DEPARTMENT OF  
PARKS AND RECREATION  
COUNTY OF MAUI

1580-C Kaahumanu Avenue, Wailuku, Hawaii 96793

LINDA CROCKETT LINGLE  
Mayor  
HENRY OLIVA  
Director  
ALLEN SHISHIDO  
Deputy Director

(808) 243-7230  
FAX (808) 243-7934

August 25, 1997

Ferdinand Cajigal  
Department of Transportation  
Highways Division  
650 Palapala Drive  
Kahului, Hawaii 96732

RE: War Memorial Stadium Renovations

Dear Mr. Cajigal:

We have received a copy of your August 11, 1997 transmittal to Milton Arakawa of Munekiyo & Arakawa relating to the subject project. We would like an opportunity to address your concerns.

With regard to the concern of a possible overloading of Lower Main Street, we will station police officers to observe/direct traffic at the following additional intersections:

1. Waiehu Beach Road and Kahului Beach Road; and
2. Lower Main Street and Mill Street.

We intend to coordinate appropriate adjustments in traffic signal timing with the Department of Transportation and the Police Department. The option of manual control of traffic signals by police officers will also be considered.

We will also consider the use of directional signs at key intersections to direct motorists to the stadium and appropriate parking areas.

The publication of traffic routes with maps showing parking areas and traffic restrictions will also be taken into consideration. Television and radio coverage will also be considered.

Ferdinand Cajigal  
August 25, 1997  
Page 2

If you have any questions, please feel free to call me. Thank you for your comments.

Sincerely,



HENRY OLIVA  
Director

HO:to

c: David Goode, Department of Public Works and Waste Management  
Howard Mau, Austin Tsutsumi & Associates, Inc.  
Milton Arakawa, Munekiyo & Arakawa, Inc.

com/stadium/doltr.001

# ***References***

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# *Appendices*

# ***Appendix A***

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***Traffic Report***

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**TRAFFIC ASSESSMENT  
FOR  
THE HULA BOWL AT THE  
WAILUKU WAR MEMORIAL STADIUM  
Wailuku, Maui, Hawaii**

June 1997

COUNTY OF MAUI  
DEPARTMENT OF PUBLIC WORKS  
AND WASTE MANAGEMENT



*Austin, Tsutsumi & Associates, Inc.*

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Honolulu • Wailuku • Hilo, Hawaii

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**TRAFFIC ASSESSMENT  
FOR  
THE HULA BOWL AT  
THE WAILUKU WAR MEMORIAL STADIUM  
WAILUKU, MAUI**

Prepared For  
**COUNTY OF MAUI**

**JUNE 1997**

Prepared By  
**AUSTIN, TSUTSUMI & ASSOCIATES, INC.**  
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501 Sumner Street, Suite 521  
Honolulu, Hawaii 96817-5031



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AUSTIN, TSUTSUMI & ASSOCIATES, INC. CIVIL ENGINEERS • SURVEYORS  
CONTINUING THE ENGINEERING PRACTICE FOUNDED BY H. A. R. AUSTIN IN 1934

TED S. KAWAHIGASHI, P.E.  
KENNETH K. KUROKAWA, P.E.  
IVAN K. NAKATSUKA, P.E.  
LAMBERT J. YAMASHITA, P.E.  
HOWARD H.W. MAUI, P.E.

**TRAFFIC ASSESSMENT  
FOR  
THE HULA BOWL AT  
THE WAILUKU WAR MEMORIAL STADIUM  
WAILUKU, MAUI**

**INTRODUCTION**

The Hula Bowl, an annual all-star college bowl football game will be played at the Wailuku War Memorial Stadium in Wailuku, Maui, on Sunday, January 18, 1998. This event is to be broadcast nationally on ESPN and will be the first time that a collegiate all-star game will be played on Maui.

**EXISTING CONDITIONS**

The Wailuku War Memorial Stadium, a County stadium, is located in Wailuku on Kanaloa Avenue, adjacent to Baldwin High School. Kanaloa Avenue is a County collector road between Kaahumanu Avenue on the south and Kahului Beach Road on the northeast. Kanaloa Avenue serves as access to several community facilities, including the County Youth Center, Maui Botanical Garden, Maui YMCA and recreational playing fields, and residential areas in the northern areas adjacent to the stadium and beyond. Kanaloa Avenue runs north from Kaahumanu Avenue, then curves approximately 90° to the east and connects to Kahului Beach Road.

The existing stadium has a seating capacity of 6,600. It is the site for local high school football games and other high school athletic events. The Maui County Fair is also held on the grounds adjacent to the stadium.

Kaahumanu Avenue, a four-lane divided State arterial highway which connects Kahului and Wailuku, has several major commercial areas adjacent to the highway. It becomes East

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Main Street after the Waiale Street Overpass and through the commercial and civic center area of Wailuku.

Kahului Beach Road is a four-lane divided State connector road between Kahului and the north area of Wailuku. It becomes Lower Main Street, a County road, after Waiehu Beach Road.

The intersection of Kanaloa Avenue and Kaahumanu Avenue is a cross intersection with traffic signals and the intersection of Kanaloa Avenue and Kahului Beach Road is a T-intersection with traffic signals.

### TRIP GENERATION

Traffic projections were based upon the best available information. A stadium capacity of 19,000 seats and parking lot capacities of 5,035 spaces are planned by the County of Maui. Projections for the distribution of resident attendees from various areas on Maui were based upon the population distribution for the major population areas on Maui, as reported by the 1990 U.S. census, and contained in the publication "State of Hawaii Data Book, 1995," Department of Business, Economic Development and Tourism, State of Hawaii.

It is estimated by the County of Maui that about 2,200 attendees will be out-of-town visitors staying at the major resort areas of Kapalua, Kaanapali, and Wailea. These attendees will be bussed to the event. Therefore, the local resident attendance was calculated by subtracting visitors from the total stadium capacity. Therefore, the trip generation data were based upon the following assumptions:

- Stadium Capacity: 19,000 seats
- Off-island visitors: 2,200 persons
- Resident attendees: 16,800 persons
- Parking Lot Spaces: 5,035 spaces
- Vehicle Occupancy: 3.5 people per car
- Bus Seating Capacity: 45 passengers

The average number of attendees per vehicle is based upon data in the publication "Parking", Weant and Levinson, 1990. Average vehicle occupancies ranged from 3.0 to 3.5 for college football games, with 3.5 persons per car a common occupancy rate. Therefore, for purposes of this study, an occupancy rate of 3.5 persons per car was used.



Express bus service is desirable to reduce motor vehicle traffic. The number of passengers and the required buses was estimated. Probable express bus use by local residents was estimated for three distant population centers — West Maui (the Lahaina area), South Maui (the Kihei area) and Upcountry (the Kula/Pukalani area). It is anticipated that these population centers would provide a reasonable passenger load to make it economically feasible to provide express bus service.

Projected traffic data is as follows:

Table 1  
ESTIMATED VEHICLES

| AREA                           | % OF TOTAL RESIDENT ATTENDANCE | TOTAL ESTIMATED RESIDENT ATTENDEES | ESTIMATED % USING EXPRESS BUS | NUMBER OF BUSES REQUIRED | ESTIMATED ATTENDEES USING CARS | ESTIMATED PARKING SPACES REQUIRED |
|--------------------------------|--------------------------------|------------------------------------|-------------------------------|--------------------------|--------------------------------|-----------------------------------|
| Wailuku-Waihee                 | 14%                            | 2,350                              | 0                             | 0                        | 2,350                          | 670                               |
| Kahului                        | 19%                            | 3,200                              | 0                             | 0                        | 3,200                          | 915                               |
| South Maui (Kihei to Wailea)   | 17%                            | 2,860                              | 15%                           | 10                       | 2,430                          | 695                               |
| Upcountry (Pukalani to Kula)   | 14%                            | 2,350                              | 10%                           | 10                       | 2,120                          | 605                               |
| West Maui (Lahaina to Kapalua) | 18%                            | 3,020                              | 15%                           | 5                        | 2,570                          | 735                               |
| East Maui (Paia to Hana)       | 10%                            | 1,680                              | 0                             | 0                        | 1,680                          | 480                               |
| Walk-ins                       | 8%                             | 1,340                              | 0                             | 0                        | 0                              | 0                                 |
| SUBTOTAL                       | 100%                           | 18,800                             |                               | 25                       | 14,350                         | 4,100                             |
| Off-Island Visitors            |                                | 2,200                              |                               | 49                       | 0                              | 0                                 |
| TOTAL                          |                                | 19,000                             |                               | 74                       | 14,350                         | 4,100                             |

Traffic distribution was based upon a reasonable assumption of routes available for the motorists, with the traffic distributed on estimated major routes to the stadium. The routes and possible traffic distribution were estimated based upon routes to the stadium and location of designated parking areas. No attempt was made to account for on-street parking or parking in private properties.

#### TRAFFIC IMPACTS

##### A. General

Special events, such as sporting events, attract large numbers of spectators who arrive as close to the starting time as possible commensurate with the ease of getting to the site. Generally, the volume of traffic generated by such an event exceeds the ability of the road system, in the vicinity of the event, to handle the demand. The result is traffic



congestion in varying degrees, depending upon the traffic demand. The existing road system generally is not capable of handling the short-duration, high-volume traffic. It is not cost effective, or economically justified, to provide roadway capacity to accommodate special-event generated traffic without some congestion. Therefore, varying degrees of traffic congestion (delay) is to be expected during the period from 2 hours before the beginning of the event to approximately 15 minutes after the scheduled start of the event. It is also to be expected that traffic congestion will occur for a period of one hour to 1-1/2 hours after the conclusion of the event.

The degree of traffic congestion is dependent upon the attractiveness of the event and availability of mitigative measures to reduce the vehicular demand or temporarily increase roadway capacities. These mitigative measures will be discussed later in this report.

#### **B. Probable Impacts**

Since this is the first event of this size at this stadium, it is difficult to accurately predict the impacts of the event on the road system. As the event reoccurs, it will be easier to predict the traffic distribution and impacts on the local road system. An estimated travel route distribution was made from origination areas to the various designated parking lots.

Travel routes were assumed for attendees from the major population areas of Maui as follows:

1. West Maui (Kapalua to Lahaina)
  - Honoapiilani Highway to Kehalani Makai Parkway (presently a private road) to Waiale Street to Lower Main Street to Kahului Beach Road to Kanaloa Road (southbound on Kahului Beach Road and right turn at Kanaloa Avenue).
  - An alternate route would be Honoapiilani Highway to Kuihelani Highway to Puunene Avenue to Papa/Wakea/Kaahumanu. However, this route should be discouraged because of the expected heavy traffic on Kaahumanu Avenue from Upcountry, East Maui and Kahului areas.



2. Upcountry (Kula, Makawao and Pukalani)
  - Haleakala Highway to Hana Highway to Kaahumanu Avenue to Kanaloa Avenue.
  - Haleakala Highway to Hana Highway to Kaahumanu Avenue to Kahului Beach Road.
3. South Maui (Kihei and Wailea)
  - North Kihei Road to Honoapiilani Highway to Kehalani Makai Parkway to Waiale Street to Lower Main Street to Kahului Beach Road to Kanaloa Road.
  - Mokulele Highway to Puunene Avenue to Papa Avenue to Kaahumanu Avenue to Kanaloa Avenue.
  - Mokulele Highway to Puunene Avenue to Wakea Avenue to Kaahumanu Avenue to Kanaloa Avenue.
  - Mokulele Highway to Puunene Avenue to Kaahumanu Avenue to Kahului Beach Road.
4. East Maui (Paia, Haiku and Hana)
  - Hana Highway to Kaahumanu Avenue to Kanaloa Avenue.
  - Hana Highway to Kaahumanu Avenue to Kahului Beach Road.
5. Kahului
  - Papa Avenue to Kaahumanu Avenue to Kanaloa Avenue (westbound on Kaahumanu Avenue and right turn into Kanaloa Avenue).
  - Papa Avenue through to Maui Community College (northbound).
  - Wakea Avenue to Kaahumanu Avenue to Kanaloa Avenue (westbound on Kaahumanu Avenue and right turn into Kanaloa Avenue).
  - Puunene Avenue to Kaahumanu Avenue to Kahului Avenue to the Maui Community College (MCC) and Maui Arts and Cultural Center (MACC) parking lots (westbound on Kaahumanu Avenue and right turn at Kahului Beach Road to MCC and MACC parking lots).

## 6. Wailuku/Waihee

- Lower Main Street to Kahului Beach Road to Kanaloa Avenue (southbound on Kahului Beach Road and right turn into Kanaloa Avenue).
- E. Main Street, left on Market Street to Mill Street to Lower Main Street to Kahului Beach Road to Kanaloa Avenue (right turn into Kanaloa Avenue).

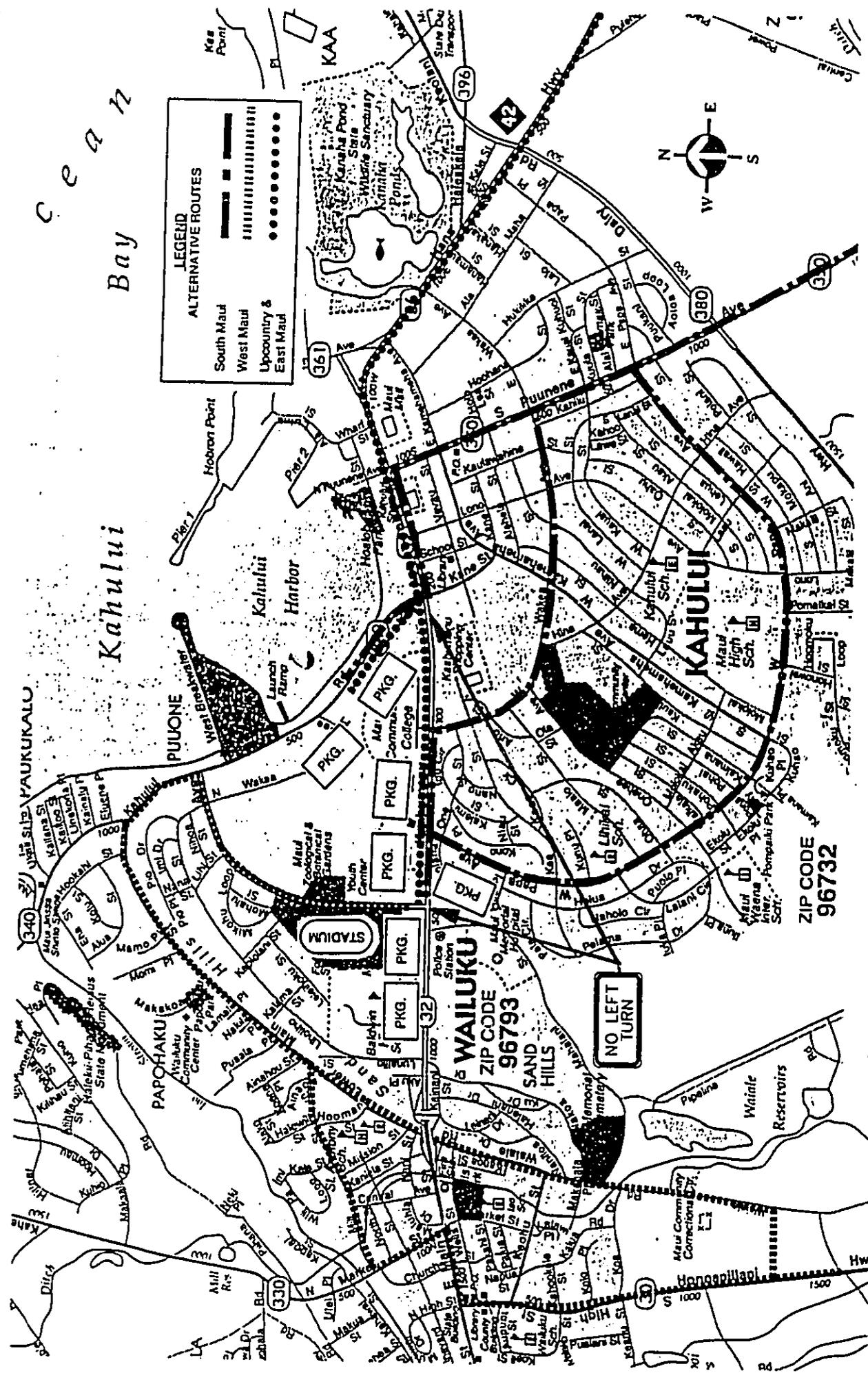
Exhibit 1 shows the traffic routes for the four major distant population areas. Based on the foregoing routes, the estimated additional traffic generated by the event may increase traffic volumes at the destination intersections, as follows:

Table 2  
ESTIMATED TRAFFIC VOLUMES AT  
SELECTED INTERSECTIONS TO PARKING LOTS

| ESTIMATED ADDITIONAL TRAFFIC VOLUMES                                       | ESTIMATED TOTAL VEHICLES | ESTIMATED % ARRIVING WITHIN 1 HR. OF GAME TIME | ESTIMATED NUMBER OF VEHICLES WITHIN 1 HR OF GAME TIME |
|--|--------------------------|--|---|
| Kaahumanu Hwy. turns at Kanaloa Ave. (WB RT)                               | 1,900                    | 60%  | 1,140   |
| Kahului Beach Road turns at Kanaloa Ave. (SB RT)                           | 1,400                    | 60%  | 850   |
| Kaahumanu Hwy. turns at Kahului Beach Rd. to MCC & MACC Lots (WB RT/NB LT) | 660                      | 60%  | 400   |
| Papa Ave. (NB THRU)  | 140                      | 60%  | 80  |
| <b>TOTAL</b>   | <b>4,100</b>             |  | <b>2,470</b>  |

Maul Memorial Hospital, Kaiser-Permanente Clinic, Wailuku Health Center and the Maui Police Station are located on Mahalani Street, the east leg of the Kaahumanu Avenue/Kanaloa Avenue intersection. It is imperative that access to these facilities be available at all time.

The extent to which Maui residents may participate in "tailgating" (pre- and-post-game activities) may affect the peak traffic volumes, the maximum number of vehicles expected during the traffic peak hour, and the length of time during which the peak traffic loads may occur. Extensive "tailgating" would probably reduce the peak traffic volumes, but the peak traffic duration could be extended.



|  |   |                            |
|--|---|----------------------------|
| <b>ATA</b><br>AUSTIN, ISITSUMI & ASSOC., INC.<br>ENGINEERS • SURVEYORS | <b>TRAFFIC IMPACT REPORT</b><br><b>HULA BOWL TRAFFIC ASSESSMENT</b> | <b>EXHIBIT</b><br><b>1</b> |
|  | <b>ALTERNATIVE ROUTES</b>   |                            |

## CONCLUSION

The Hula Bowl will be a major sports event for Maui. The location of the Wailuku War Memorial Stadium in the center of the Wailuku-Kahului population area may create heavy traffic demands on the adjacent streets. These streets and highways support major commercial facilities, provide access to major medical and police facilities, and serve other land uses, such as residential and recreational areas. Traffic generated by the event will undoubtedly impact the streets leading to the stadium.

It is anticipated that Kaahumanu Avenue will be fairly congested during this event. However, the planned parking facilities should be adequate for anticipated attendees. Kanaloa Avenue will be congested due to the presence of the planned parking lots, use by motorists and express buses dropping off passengers, and pedestrians crossing from parking areas. Puunene Avenue will also probably be congested.

The support and cooperation of the police, public works and transportation agencies, and others is essential to reduce the impact of this traffic. The national exposure resulting from the television broadcast to the rest of the nation can be a positive influence in attracting visitors and commercial enterprises to Maui, further stimulating the economy of the County.

## RECOMMENDATIONS

In view of the concentration of anticipated traffic going to and from this event, various mitigating measures are recommended to reduce the possible congestion which may occur. These recommendations are:

1. Ban on-street parking on Kanaloa Avenue and on Kaahumanu Avenue
2. Station police officers to observe/direct traffic at key intersections
  - Kaahumanu Avenue at Kanaloa Avenue
  - Kaahumanu Avenue at Papa Avenue
  - Kaahumanu Avenue at Kahului Beach Road
  - Kaahumanu Avenue at Puunene Avenue
  - Kahului Beach Road at Kanaloa Avenue
  - High Street at E. Main Street
  - Honoapiilani Highway at Kehalani Makai Parkway (private road)
  - Hana Highway at Dairy Road
  - Kanaloa Avenue at Stadium entrance
  - Kahului Beach Road at Kaihee Place (MCC)

- Lower Main Street and Mill Street
  - Kahului Beach Road at Waiehu Beach Road
  - Kahului Beach Road at MACC road
  - Kuihelani Highway at Puunene Avenue
3. Encourage the use of express bus service for Lahaina, Kihei and Upcountry residents. Use local school parking lots as pick-up points.
  4. Obtain permission for public use of Kehalani Makai Parkway, if it is not dedicated to the County by game day.
  5. Implement a public information program prior to game day to inform the public of the locations of public parking lots.
  6. Adjust traffic signals prior to game time to expedite traffic movement at the intersections of:
    - Kaahumanu Avenue and Puunene Avenue
    - Kahului Beach Road at Waiehu Beach Road
    - Hana Highway at Dairy Road
  7. In Honolulu, "tailgating" (pre- and post-game activities) is an integral part of University of Hawaii, Aloha Bowl and Pro Bowl football games. This may become a similar situation for the Hula Bowl, so the parking lots may have to be opened about 3 hours before and 2 hours after the game. Security services may have to be available in that event.
  8. Provide shuttle bus service for attendees parking in the MCC and MACC parking areas.
  9. Ban left turns from Kahului-bound Kaahumanu Avenue at Kanaloa Avenue from about two hours prior to kick-off time to about one hour after the game ends. Entrance to the stadium parking areas should be from the Kahului Beach Road/Kanaloa Avenue intersection.  
Permit left turns at all times from Wailuku-bound Kaahumanu Avenue into Mahalani Street because of the medical facilities and police station on this street.
  10. Ban left turns from Kahului-bound Kaahumanu Avenue at Kahului Beach Road from about two hours prior to kick-off time to about one hour after the game starts. Entrance to the stadium parking areas should be from Kahului Beach Road.

# ***Appendix B***

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***Drainage Report***



AUSTIN, TSUTSUMI & ASSOCIATES, INC.

CIVIL ENGINEERS • SURVEYORS

CONTINUING THE ENGINEERING PRACTICE FOUNDED BY H. A. R. AUSTIN IN 1934

TED S. KAWAHIGASHI, PE  
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IVAN K. NAKATSUKA, PE  
LAMBERT J. YAMASHITA, PE  
HOWARD H. W. MAU, PE

KEN K. KUROKAWA, PE  
Senior Vice President &  
Main Branch Office Manager

O-97-37  
June 13, 1997

Mr. David Goode, Deputy Director  
Department of Public Works and Waste Management  
250 South High Street  
Walluku, HI 96783

Dear Mr. Goode,

Subject: War Memorial Stadium Renovations (Hula Bowl) - Drainage Review

Pursuant to your request, I have reviewed the existing drainage system and proposed schematic plans for the subject project.

The existing underground drainage system for the War Memorial Stadium consists of several drain inlets, interceptor ditches and underground piping. Stormwater leaves the stadium through a 30" drainline and outlets into a swale on the east side of Kanaloa Avenue. The existing drainage system within the stadium appears to be adequate.

Additional seating for 12,400 people will be provided, of which 10,000 seats will be permanent. The additional permanent seating is expected to be metal bleachers that will be placed on grassed areas along the outer edge of the existing track. Foundation work will be limited to concrete footings for the individual vertical supports. The majority of the surface area beneath the bleachers will be left as grassed surfaces.

Stormwater will fall through the seats and onto the grassed areas beneath the bleacher structure. Additional runoff generated from the concrete footings should not be a significant amount, and the existing drainage system can adequately accommodate the minor increase in runoff.

Other improvements for the project, such as the temporary bleachers, portable restrooms and television trailers, will be removed after the Hula Bowl event and will have no effect on the drainage system.

It is my professional opinion that the proposed improvements will not adversely affect the existing drainage system or downstream properties.



Sincerely,

AUSTIN, TSUTSUMI & ASSOCIATES, INC.

PATRICK K. MIYAHIRA, P.E.  
Project Manager

PKM/dj

XC: Munekiyo & Arakawa/ Milton Arakawa