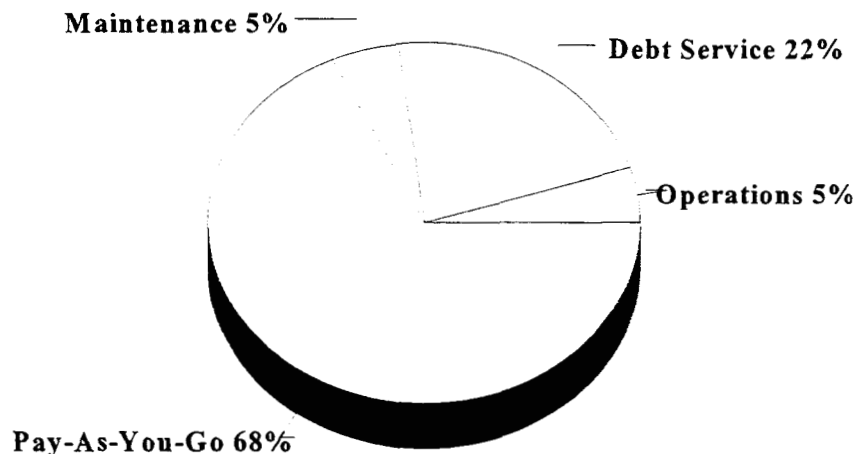


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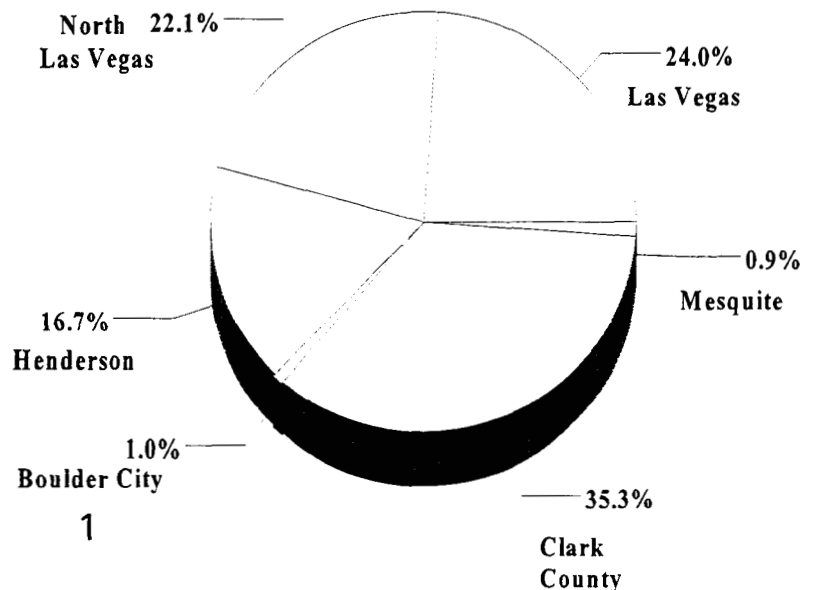
The proposed 10-Year Construction Program for the period from Fiscal Year 1997/98 through Fiscal Year 2006/07 is attached for your review and approval. The construction program revenues are derived from the 1/4% sales tax and interest revenues commonly known as the Pay-As-You-Go program. Revenues for the 10-Year Construction Program are estimated to be \$422,557,396, based upon a 7% increase from Fiscal Year (FY) 96/97, 5% annual growth from FY 98/99 through FY 02/03 and 3% thereafter. This amount does not include the District operating budget, bond debt service, and operation and maintenance of flood control facilities. A pie chart representing the expenditures for a typical fiscal year is depicted on the above.

## Typical Annual Expenditures



The target funding percentages for each hydrographic area were established based on a proportionate share of the sum of the cost of funded projects and proposed Master Plan facilities. The Master Plan costs were obtained from the estimates contained in the various Master Plan updates that have been performed. The

## Prorated Share of Funding Based on Master Plan



most recent of which is the Master Plan Update of the Las Vegas Valley, adopted as an amendment by the Board on February 13, 1997. The costs of funded projects was derived from the financial report dated February 13, 1997. The estimated costs presented in other Master Plan Updates for planning areas outside of the Las Vegas Valley were reduced as appropriate for projects that were funded between the dates of their adoption and February 13, 1997. Exhibit A, included in the backup, shows the costs of Phase 1 flood control facilities by entity (hydrographic area). The pie chart shown here indicates percent of revenues which should be spent in each entity based on need as measured by the cost of flood control facilities identified on the Master Plan.

Since May 1987, the date the first 1/4% sales tax revenues were received, through the end of June 1997, the District has funded projects totaling approximately \$288,000,000 (see Exhibit D). The \$288,000,000 also includes the \$80,000,000 in general obligation bonds, secured by sales tax revenue, which were sold in November 1991. The District has also expedited funding for projects located in Boulder City and Mesquite in order to complete their larger projects which would have taken years for the funding to accrue at the percentages shown above.

#### **Project Prioritization:**

Annually, during review and development of the 10-Year Construction Program, the relative priority of Master Plan projects are reviewed and the priority of projects are assessed. Exhibit B presents a tabulation of the priority values for all Las Vegas Valley flood control facilities included in the 10-Year Construction Program. Exhibit B also presents the criteria used in the evaluation of projects as prescribed in the District Policies and Procedures Section 2.5. Priority values are calculated by each lead entity within their respective hydrographic areas. It should be noted that priority values may not necessarily be relative from one hydrographic area to another.

## **10-Year Construction Program:**

The proposed 10-Year Construction Program which totals \$412,614,000 is presented as Exhibit C. The estimated cost of Phase I facilities presented in the Master Plan Update for the Las Vegas Valley is \$597,074,000. Adding the estimated cost of Phase I facilities remaining to be constructed outside of the Las Vegas Valley brings the total cost of Phase I facilities within all of Clark County to \$632,557,000. Therefore, this 10-Year Construction Program constitutes 65% or roughly two thirds of Phase I facility costs. The location of 10-Year Construction Program projects are shown in the attached map labeled "Las Vegas Valley Ten-Year Construction Program". A summary of the proposed program, along with major accomplishments for each entity follows.

### **HENDERSON** C-1 Channel and Pittman Wash Planning Areas

A summary of the proposed program, along with major accomplishments for the City of Henderson is shown in the attached map labeled "Pittman Wash and C-1 Channel Planning Areas". Henderson projects completed or funded for construction since 1987 include:

#### **Bridges over Pittman Wash**

at Warm Springs Road, Stephanie Street and Green Valley Parkway

#### **Pittman Wash**

from I-515 to Robindale Road Phase I, II and IIIA

#### **Union Pacific Railroad Channel**

from Pittman Wash to Eastern Avenue

#### **Mission Hills Detention Basin**

#### **C-1 Channel**

from Lake Mead to Burkholder

#### **Equestrian Detention Basin**

and Collection Channel (Under Construction)

#### **Mission Hills West Interceptor**

from Pacific Avenue to the Mission Hills detention Basin

**Pittman Park Detention Basin**

A joint use facility is in final design. Scheduled for construction in FY 97/98.

**Railroad East Detention Basin**

Currently in Pre- design in preparation for right-of-way acquisition.

District funding since 1987 for the projects plus design efforts on future projects total approximately \$36,108,000.

The projects proposed on the 10-Year Construction Program in order of Priority Value (PV) include the following:

**Sunset Detention Basin (PV = 92.5)**

**PTVW - 0000 thru 0102** - This flood control facility is generally located southeast of the intersection of I-515 and Warm Springs Road. Design and right-of-way acquisition is expected in FY 97/98 with construction occurring in FY 97/98 through FY 99/00. The amount programmed for this flood control facility is \$10.8 million.

**Pittman Park Detention Basin (PV = 90.5)**

**PTWA - 0050** - This project is located just downstream of the UPRR at the upstream end of the existing lower Pittman Channel. It is at an existing sports park site and much of the excavation has been completed. Design is under way and construction funding is programmed in FY 97/98. The 10-Year program includes approximately \$1.2 million for this project.

**Southwest C-1 Detention Basin (PV = 90.0)**

**C1CH - 0861 thru 0997** - This basin, also known as the **Black Mountain Detention Basin**, will control runoff from the southwest area of the C-1 Channel System. Design, right-of-way engineering is programmed in FY 97/98 with construction following in FY 98/99. This project is generally located at the base of Black Mountain. The total programmed for this flood control facility is approximately \$5.6 million.

**East C-1 Detention Basin (PV = 90.0)**

**C1IT - 0492** - This basin controls the watershed upstream of the largest alluvial fan east of Henderson and is ideally situated in a narrow canyon within the River Mountains. A right-of-way grant is presently being pursued by the City of Henderson through the Bureau of Land management and the Bureau of Reclamation. Design is programmed in FY 98/99 with construction programmed for FY 99/00 and FY 00/01. The 10-Year program includes approximately \$4.8 million for this project.

**Pittman Pecos West Conveyance (PV = 87.5)**

**PTPW - 0000** - this channel is the lower reach of the outfall from the South Pittman Detention Basin. This reach extends from Lake Mead Drive to the confluence with Pittman Eastern Channel (PTEA) north of Lake Mead Drive. Design is programmed in FY 99/00 with construction flowing in FY 00/01. The 10-Year program includes approximately \$2.8 million for this project.

**Pittman Eastern Avenue Tributary (PV = 84.0)**

**PTEA - 0000** - This channel extends from Lake Mead Drive to the Beltway. Design is programmed in FY99/00 with construction following in FY 00/01. The 10-Year program includes approximately \$3.4 million for this project.

**Railroad East Detention Basin (PV = 84.0)**

**PTRE - 0000 thru 0070** - This detention basin is located on a tributary to the Pittman Wash, south of the UPRR. Design is under way and right-of-way acquisition is programmed in FY 97/98 in the amount of \$1.3 million. This project appears in Year-1 due to its important relevance to the ongoing Southern Beltway project.

**Pittman Eastern Detention Basin (PV = 83.0)**

**PTEA - 0439** - The Pittman Eastern Detention Basin is situated just south of Sky Harbor Airport. Design and right-of-way is programmed in FY 01/02 with construction following in FY 02/03 and FY 03/04. The 10-Year program includes approximately \$11.4 million for this project.

**South Pittman Detention Basin and Conveyance (PV = 83.0)**

**PTPW - 0289 thru 0309** - This basin is located at the base of the McCullough Range, south of Lake Mead Drive near the Pecos alignment. Design and right-of-way funding is programmed in FY 00/01. Construction funds are programmed in FY 01/02 and 02/03. The 10-Year program includes approximately \$8.2 million for this project.

**C-1 Channel - Middle Reach (Burkholder to RR)(PV = 81.5)**

**C1CH - 0412 thru 0578** - The design of the improvements to the middle reach of the C-1 Channel is programmed in FY 02/03 with construction occurring in the following year, FY 03/04. Funding programmed for this flood control facility totals approximately \$5.0 million.

**Pittman Wash Beltway (PV = 81.0)**

**PTBL - 0000** - This channel extends from the Beltway to the Pittman Wash near Eastern Avenue. Design is programmed in FY 99/00 with construction following in FY 00/01. The 10-Year program includes approximately \$0.4 million for this project.

**Boulder Highway Channel (PV = 78.5)**

**C1BH - 0000** - This channel extends along the south side of Boulder Highway from Magic Way to the C-1 Channel. Design is programmed in FY 03/04 with construction programmed in the following year. The 10-Year program includes approximately \$2.4 million for this project.

**Northeast C-1 Detention Basin & Levee (PV = 78.0)**

**C1IT - 0199 thru 0246** - This basin will control runoff from the northeast area of the C-1 Channel System and outlet to the C-1 Channel. A right-of-way grant is presently being pursued by the City of Henderson through the Bureau of Land Management and the Bureau of Reclamation. Design is programmed in FY 04/05 with construction programmed in FY 05/06. This project is generally located at the base of the River Mountains. The total programmed for this flood control facility is approximately \$8.8 million.

**Northeast C-1 Outfall (PV = 77.5)**

**C1IT - 0000 thru 0127** - The outfall will convey flow from the detention basin to the C-1 Channel. Design and construction is programmed in FY. The total programmed for this flood control facility is approximately \$4.5 million.

**C-1 Channel Upper Reach (PV = 77.0)**

**C1CH - 0579 thru 0635** - This reach extends from the UPRR to the NDOT Detention Basins. Design is programmed in FY 05/06. Construction is programmed in the following year. The 10-Year program includes approximately \$1.5 million for this project.

**Drake Channel (PV = 73.0)**

**C1DC - 0000 thru 0180** - This channel is tributary to the C-1 Channel along the Drake Street alignment. Design is programmed in FY 05/06 with construction in the following year. The 10-Year program includes approximately \$1.1 million for this project.

**Equestrian Basin Outfall (PV = 66.0)**

**C1EQ - 0000 thru 0180** - This is the outfall from the Equestrian Detention Basin which outlets to the C-1 Channel. Design and right-of-way engineering is programmed in FY 05/06 with construction in FY 06/07. The 10-Year program includes approximately \$4.8 million for this project.

The funding programmed for the C-1 Channel and Pittman Wash Planning Areas in Henderson total approximately \$78.0 million on the 10-Year Construction Program.

**Las Vegas**  
Central Basin Planning Area and  
Gowan Planning Area

A summary of the proposed program, along with major accomplishments for the City of Las Vegas is shown on the attached map labeled "Gowan and Central Basin Planning Areas". City of Las Vegas projects completed or funded for construction since 1987 include:

**Meadows Detention Basin and Collection System**

**Durango Drive Storm drain**

(located between Charleston Boulevard and Angel Park Detention Basin)

**Angel Park Outfall Storm drain**

(located in Vegas Drive between Angel Park Detention Basin and the Buffalo Channel)

**Buffalo Channel**

between Gowan Detention Basin and Doe Avenue

**Gowan Detention Basins**

**Gowan Detention Basin Outfall**

(Storm drain located in Gowan Road between Tenaya Way and Decatur Boulevard)

**Gowan Outfall project**

from Decatur Boulevard to the Western Tributary of the Las Vegas Wash; Lead agency North Las Vegas

**Carey Avenue/Lake Mead Detention Basin and Conveyance System**

(located along Lake Mead Boulevard between I-15 and Michael Way)

**Oakey Boulevard Detention Basin and Outfall**

**I-15 Freeway Channel**

(Constructed as part of the I-15/Sahara Avenue Interchange project)

**Washington Avenue System**

(Las Vegas Creek from Las Vegas Wash along Sandhill Road to Washington Avenue then along Washington Avenue to Virgil (Complete); Virgil to Lena Street (Complete); Lena to Eastern (Complete); Eastern to Sagman (Under Construction);

**Alta Storm drain**

part of the Meadows Detention Basin Collection System  
(Completed)

**Cheyenne Crossings**

developer participation project at Rampart, Soft Breezes and  
Soaring Gulls

**Rampart Storm drain**

in conjunction with REC (Under construction).

**Cheyenne Channel**

Gowan South Detention Basin to Buffalo Drive

**Lone Mountain Detention Basin**

(Right-of-way Acquisition, Environmental Mitigation and  
Construction Engineering)

**Angel Park Detention Basin Expansion**

**Freeway Channel System**

From Alta to UPRR in conjunction with NDOT's Spaghetti  
Bowl Expansion

**Gowan North Channel**

Northern Gowan Detention Basin to Durango design complete;  
construction to Buffalo scheduled for FY 97/98

District funding since 1987 for the projects plus design efforts on future  
projects total approximately \$79,283,000.

The projects proposed on the 10-Year Construction Program in order of  
Priority Value (PV) include the following:

**Freeway Conveyance South (PV = 116.5)**

**FW15 - 0000 thru 0038** - This System extends from the Las  
Vegas Creek to Charleston. Design is programmed in FY 97/98.  
The 10-Year Construction Program includes \$6.5 million for this  
project.

**Gowan North**

**Buffalo, Tenaya and Upper Gowan Branches (PV = 106.5)**

**GOBU, GOTE, GOOF - 0775** - Design for these storm drains tributary to the Gowan North Channel is programmed in FY98/99 with construction in FY 00/01. The 10-Year Construction Program includes \$2.5 million for this project.

**Gowan North Durango Branch (PV = 106.5)**

**GODU** - design of this Storm drain tributary to the Gowan North Channel is programmed in FY 98/99. The 10-Year Construction Program includes \$0.5 million for this project.

**Washington Ave. System I-15 to Martin Luther King (PV = 105.5)**

**LV15 - 0229 thru 0339** - This Storm drain discharges to the existing I-15 channel directing flow to the Las Vegas Wash. Construction funds are programmed in FY 97/98 in the amount of \$1.0 million.

**Gowan Outfall Lone Mountain Branch (PV = 104.0)**

**GOLO - 0000 thru 0076** - This storm drain is tributary to the Gowan Outfall at Clayton Street. Design is programmed in FY 97/98 with construction following in FY 99/00. The 10-Year Construction Program includes \$1.2 million for this project.

**Gowan North El Capitan Branch (PV = 103.5)**

**GOEC - 0000 thru 0176** - This storm drain conveys runoff south in El Capitan to Lone Mountain and discharges to the Gowan North Channel. Design and construction are programmed in FY 06/07. The 10-Year Construction Program includes \$4.2 million for this project.

**Las Vegas Wash Rancho (PV = 103.0)**

**LVRA - 0000 thru 0091** - This system intercepts flow along the west side of Rancho Drive in the vicinity of the North Las Vegas Air Terminal for discharge to the Lake Mead storm drain. Design is programmed in FY 02/03 with construction in the following year. The 10-Year Construction Program includes \$2.7 million for this project.

**Lone Mountain Outfall to Durango (PV = 101.0)**

**GOLM - 0000 thru 0101** - This is the outfall from the Lone Mountain Detention Basin. Design and construction are programmed in FY 02/03. The 10-Year Construction Program includes \$1.8 million for this project.

**Freeway Channel Bypass (PV = 100.5)**

**FWUP - 0000 thru 0059** - This facility conveys flow parallel to and east of I-15 from Sahara to Charleston. Design is programmed in FY 04/05 with construction in the following year. The 10-Year Construction Program includes \$2.7 million for this project .

**Freeway Channel South Charleston to Sahara (PV = 99.5)**

**FW15 - 0089 thru 0150** - This facility conveys flow parallel to and west of I-15 from Sahara to Charleston. Design is programmed in FY 02/03 with construction in the following year. The 10-Year Construction Program includes \$5.1 million for this project.

**Owens Avenue System (PV = 99.5)**

**LVOW - 0000 thru 0146** - This project is located west of I-15 and is comprised of a storm drain in Owens Avenue between I-15 and Rancho Drive. It is anticipated that this project will be built as part of a street improvement project, thereby limiting District funding to the over sizing of the Storm drain. Design is programmed in FY 99/00 with construction in FY 02/03. Total funding programmed for this flood control facility is approximately \$3.2 million.

**Gowan North Channel to Lone Mountain Road (PV = 99.5)**

**GONO - 0009 thru 0205** - This project originates at the Gowan Detention Basin and extends northwest of the basin. The project will collect flow from an area that otherwise may bypass the basins; thereby improving the effectiveness of the Gowan Detention Basin Project. Construction from the downstream end to Buffalo Drive is programmed in FY 97/98. Construction from Buffalo to Durango is programmed in FY 99/00. Design from Durango to Lone Mountain is programmed in FY 03/04 with construction in the following year. Total funding programmed for this flood control facility is approximately \$10.1 million.

**Upper Washington Avenue Channel (PV = 99.0)**

**WAPR - 0000** - This is the parallel system that conveys increased flows directed from Charleston underpass and extends from the Spaghetti Bowl to Washington Avenue. The design is complete and construction is programmed for FY 98/99 in the amount of \$3.5 million.

**Oakey Drain (PV = 98.0)**

**FWOK - 0000 thru 0191** - Extending from I-15 to Valley View Drive. Design and construction are programmed in FY 05/06 and FY 06/07. Total funding programmed for this flood control facility is approximately \$8.6 million.

**Colorado Avenue System (PV = 97.5)**

**LVCO - 0000 thru 0166** - This facility consists of a storm drain located in Colorado Avenue approximately 1300 feet south of Charleston from the Las Vegas Wash to I-515. Pre-design is programmed in FY 00/01, final design in FY 02/03 with construction to begin in the following year and continue through FY 06/07. Approximately \$9.4 million is included on the 10-Year program for this project.

**Gowan North Channel Lone Mountain to CAM-10 (PV = 97.0)**

**GONO - 0243 thru 0566** - This completes the Gowan North main line. Design is programmed in FY 06/07 in the amount of \$0.4 million.

**Gowan South Detention Basin Expansion (PV = 90.5)**

**GOSO - 0051** - Expansion of the detention basin at Tenaya and Cheyenne was identified as necessary during the update of the Master Plan of the Las Vegas Valley. Design and construction is programmed in FY 03/04. Approximately \$1.7 million is included on the 10-Year program for this project.

The Central Basin and Gowan Planning Areas (Las Vegas) of the 10-Year Construction Program total \$64.8 million.

**North Las Vegas**  
Northern Las Vegas Wash Planning Area  
Range Wash Planning Area and  
Lower Las Vegas Wash Planning Area

Projects being undertaken within these planning areas are being administered by either North Las Vegas or Clark County. A summary of the proposed program, along with major accomplishments for the City of North Las Vegas is shown on the attached map labeled "Northern Las Vegas, Range, and Lower Las Vegas Wash Planning Areas". Projects completed or funded for construction since 1987 include:

**Western Tributary of the Las Vegas Wash**

from Alexander Road to north of Craig Road

**Las Vegas Wash Improvements and King Charles Diversion project**

from I-15 to Craig Road

**West Range Wash Diversion Dike**

**Camino Al Norte Crossing**

of the Western Tributary of the Las Vegas Wash (first developer participation contract with the District)

**Upper Las Vegas Wash Detention Basin and Diversion Dike**

project (located on the Las Vegas Wash at the upstream area of the Las Vegas Valley)

**Kyle Canyon Detention Basin**

**Confluence Detention Basin**

NAFB Golf Course Channel (complete); Detention Basin (complete) Clark County Lead Agency

**Sloan Channel**

(Range Wash) Stewart to Owens complete, Charleston to Stewart under construction; Clark County Lead Agency

**Lower Las Vegas Wash Detention Basin**

Construction funded scheduled to start early FY 97/98.

District funds since 1987 for the projects plus design efforts on future projects total approximately \$50,262,000.

Projects proposed on the 10-Year Construction Program in order of Priority Value (PV include the following:

**Vandenberg Detention Basin (PV = 105.5)**

**RWWE - 0170** - This detention basin is an addition to the Master Plan. It is located on the western tributary of the Range Wash between the UPRR and I-15. Design is programmed in FY 97/98 with construction to follow in FY 98/99. The total amount included on the 10-Year construction program is approximately \$5.2 million.

**Western Tributary Las Vegas Wash (PV = 100.5)**

**LVMD - 1954 thru 2172** - This reach extends from Camino Al Norte to Ann Road. The initial phase of Design and construction is programmed in FY 97/98. Later phases are programmed in FY 99/00, FY 00/01, FY 03/04 and FY 04/05. The total amount included on the 10-Year construction program is approximately \$10.0 million.

**Western Tributary Las Vegas Wash (PV = 99.5)**

**LVMD - 2206 thru 2322** - This reach extends from Ann Road to Centennial Parkway. Pre-design and right-of-way is programmed in FY 97/98. Final design and construction occurs in FY 01/02. The total amount included on the 10-Year construction program is approximately \$5.9 million.

**Clayton Street Channel (PV = 98.0)**

**LV03 - 0000 thru 0120** - This is a channel within the Clayton alignment which discharges from the north to the Western Tributary to the Las Vegas Wash. Design is programmed in FY 97/98 with construction programmed in FY 98/99. The total amount included on the 10-Year construction program is approximately \$1.2 million.

**Las Vegas Wash Main Branch (PV = 97.5)**

**LVMD - 1421 thru 1534** - This channel reach extends from Lake Mead Boulevard to the "N" Channel. Construction is programmed in FY 97/98 in the amount of \$5.2 million.

**West Range Wash Channel Las Vegas Structure (PV = 95.5)**

**RWSL - 0576 thru 0694** - This is the Range Wash Channel reach extending from Nellis Golf Course overflow structure up to Las Vegas Boulevard. Design is programmed in FY 98/99. Construction is phased over FY 98/99 and FY 99/00. The total amount included on the 10-Year construction program is approximately \$3.7 million.

**Las Vegas Wash Main Branch (PV = 95.0)**

**LVMD - 1535 thru 1680** - This channel reach extends from the "N" Channel to Alexander. Design is programmed in FY 97/98. Right-of-way acquisition is programmed in FY 98/99. Construction is phased over FY 99/00 and FY 00/01. The total amount included on the 10-Year construction program is approximately \$6.6 million.

**Ann Road System (PV = 94.0)**

**ANWE - 0000 thru 0361** - This system provides the outfall for the Rancho Detention Basin and extends from Rancho Drive to Allen Lane at the confluence with the Western Tributary to the Las Vegas Wash. An initial phase has Design programmed in FY 99/00 with construction in the following year. A subsequent phase will be designed in FY 01/02 and be constructed in the following year. The total amount included on the 10-Year construction program is approximately \$6.4 million.

**Craig Tributary to Las Vegas Wash Western Tributary (PV = 91.5)**

**LV06 - 0000 thru 0138** - This channel conveys flow from south of and parallel to Craig Road from Alexander Road and Martin Luther King Boulevard to its confluence with the Western tributary to the Las Vegas Wash. An initial phase is programmed for design in FY 99/00 with construction in FY 01/02. A subsequent phase will be

designed in FY 04/05 and constructed in FY 05/06. The total amount programmed for this flood control facility is approximately \$4.2 million.

**Owens Detention Basin and Outfall (PV = 88.5)**

**SLWA - 0000 thru 0153** - This is one of the Sunrise Mountain detention basins located at the east end of Owens Boulevard. It outlets to the Sloan Channel via a storm drain in Washington Avenue. Design and right-of-way is programmed in FY 98/99 and FY 99/00. Construction is phase among FY 01/02 and FY 02/03.

The total amount programmed for this flood control facility is approximately \$6.2 million.

**Upper Las Vegas Wash (PV = 88.5)**

**LVUP - 0000 thru 0210** - This channel provides the outfall from the North Las Vegas Detention basin. It constitutes the main branch of the Las Vegas Wash from the proposed Beltway (Elkhorn) to Craig Road. Pre-design and right-of-way is programmed in FY 00/01. Final design and construction are phase over FY 02/03 through FY 06/07. The total amount programmed for this flood control facility is approximately \$14.0 million.

**Kyle Canyon Outfall - Beltway (PV = 82.5)**

**LVMD - 2324, CNWE - 0000** - Funding is programmed for the channel reaches associated with the Beltway assuming 50% participation. Design funds appear in FY 02/03 and construction follows in FY 03/04. The total amount programmed for this flood control facility is approximately \$4.9 million.

**Washington System (PV = 79.5)**

**SLWA - 0158, SLOW, SLER** - These features are collection systems for the Owens Detention Basin and outfall. Design is programmed in FY 03/04 and construction follows in FY 04/05. The total amount programmed for this flood control facility is approximately \$3.0 million.

**Western Tributary Range Wash (PV = 79.0)**

**SLEB - 0000 thru 0046, RWWE - 0000 thru 0168** - These channels provide the outfall for the Vandenberg Detention Basin (RWWE) and a tributary east of the outfall (SLEB). Design is programmed in FY 04/05. Construction will take place in FY 05/06 according to the plan. The total amount programmed for this flood control facility is approximately \$4.3 million.

**Sloan Channel (PV = 69.0)**

**RWSL - 0000 thru 0135** - This is the final reach of the channel from Charleston to the Las Vegas Wash. Finals design and right-of-way is programmed in FY 05/06. Construction will follow in FY 06/07. The total amount programmed for this flood control facility is approximately \$4.6 million.

**Alto and Lake Mead Conveyances (PV = 64.5)**

**RWAL, RWLM** - These channels provide a collection of runoff for conveyance to the Range Wash Confluence Detention Basin. Design is programmed in FY 05/06. Construction is programmed in FY 06/07. The total amount programmed for this flood control facility is approximately \$6.0 million.

The Northern Las Vegas Wash, Range Wash and Lower Las Vegas Wash Planning Areas (North Las Vegas) of the 10-Year Construction Program total approximately \$94.3 million.

**Clark County**  
Duck Creek/Blue Diamond Planning Area  
Tropicana/Flamingo Planning Area  
Outlying Areas

A summary of the proposed program, along with major accomplishments for Clark County within the Las Vegas Valley is shown on the attached map labeled "Flamingo, Tropicana, Duck Creek, and Blue Diamond Planning Areas". Projects completed or funded for construction since 1987 include:

**Las Vegas Valley:**

- Upper Flamingo Detention Basin and Outfall**
- Rawhide Channel System**
- Van Buskirk Channel System**
- Winnick Avenue Improvements of the Flamingo Wash**
- Tomiyasu and La Casita crossings of Duck Creek**
- Flamingo Wash Bridges**
  - Arville, Eastern, Paradise, Palos Verdes
- Red Rock Detention Basin Expansion**
- Tropicana Detention Basin**
  - Under Construction

**Outlying Areas:**

- Cooper Crossing in Moapa Valley**
- Logan (Benson) Wash Improvements in Moapa Valley**
- Unnamed Wash Improvements in Laughlin**
- Searchlight**
- Hiko Springs Detention Basin**
  - (SID and District Funded)
- Goodsprings (design completed)**

District funding since 1987 for the projects plus design efforts of future projects total approximately \$77,147,000.

The projects proposed on the 10-Year Construction Program for Clark County within the Las Vegas Valley in order of Priority Value (PV) include the following:

**Corps of Engineer's (COE) Tropicana/Flamingo Project** - The Program includes approximately \$26.4 million to make up the Local Share at 25% to match the COE funding at 75%. The project includes the Tropicana and Blue Diamond detention basins; enlargement of the Red Rock and Upper Flamingo detention basins; four foothill debris basins; and the 27 miles of primary connecting channel network.

**Lower Duck Creek Detention Basin (PV = 119.5)**

**DCWA - 1216** - This project is located south of the intersection of Pebble Road and Bermuda Road. Pre-design and right-of-way acquisition have been completed. Final design is programmed in FY 97/98 with construction spread over FY 99/00 and FY 00/01. The total programmed for this detention basin is approximately \$11.9 million.

**Buffalo, Spring Mtn. & D.I. Drains, Lakes Det. Basin (PV = 105.5)**

**FLBF, FLSM, FLDI** - This system provides the Lakes detention basin at Desert Inn and Durango, the collection and outfall to the Flamingo Wash. Design is programmed in FY 97/98. Construction is phased over FY 98/99 through FY 01/02. The total included on this 10-Year Construction Program for this project is \$12.4 million.

**Lateral Drain and D.I. Detention Basin (PV = 99.5)**

**FLLA - 0308 thru 0369** - This project provides the collection system and Desert Inn Detention Basin located at Desert Inn and Rainbow. Design is programmed in FY 97/98 with construction spread over FY 98/99 and FY 99/00. The total included on this 10-Year Construction Program for this project is \$2.5 million.

**Flamingo Wash Swenson to Lower Flamingo Det. Basin (PV = 98.5)**

**FLWA - 0648 thru 1049** - This is the channelization of the Flamingo Wash from the Tropicana Wash confluence up to Decatur. Construction is programmed in FY 01/02 and FY 02/03. The total included on this 10-Year Construction Program for this project is \$4.4 million.

**Durango Collector (PV = 96.5)**

**FLDR** - This storm drain/channel system intercepts flow along Durango from Spring Mountain to Hacienda and discharges to the Upper Flamingo Detention Basin. Design is programmed in FY 97/98. Construction is phased over FY 00/01 and FY 01/02. The total included on this 10-Year Construction Program for this project is \$5.2 million.

**Tropicana Wash Flamingo Wash to Koval (PV = 95.5)**

**TRWA - 0000 thru 0152** - This includes channelization of the Tropicana Wash through the described reach. Construction funding is included in FY 97/97, FY 02/03 and FY 03/04. The total included on this 10-Year Construction Program for this project is \$6.7 million.

**Land Acquisition Duck Creek/Blue Diamond Det. Basins (PV = 95.0)**

**DCWA - 1658, 2261 & 2668; DCBD - 0282** - This provides early acquisition of land for the Upper and Central Duck Creek Detention Basins; Lower Blue Diamond and Bird Springs Detention Basins. Pre-design is programmed in FY 97/98. Land acquisition dollars are provided in FY 99/00 and FY 00/01. The total included on this 10-Year Construction Program for this project is \$2.0 million.

**Flamingo Wash (Tropicana Wash to Decatur Boulevard)** - Design and right-of-way engineering for these wash improvements are programmed in FY 02/03 with construction spread over FY 02/03 and FY 03/04. Approximately \$5.0 million is included in the 10-Year program for this project.

**Flamingo Wash McLeod to Maryland Parkway (PV = 95.0)**

**FLWA - 0400 thru 0593** - construction for these wash improvements are programmed in FY 03/04 and FY 04/05. Approximately \$2.5 million is included in the 10-Year program for this project.

**Duck Creek Boulder Highway to Stephanie (PV = 88.0)**

**DCWA - 0251 thru 0340** - Design and right-of-way engineering for these channel improvements is programmed in FY 97/98. Construction is phased over FY 01/02 and FY. Approximately \$5.1 million is included in the 10-Year program for this project.

**Las Vegas Wash Branch 01 (PV = 87.5)**

**LV01 - 0000 thru 0118** - This is the system that drains along Tropicana Avenue from Boulder Highway to the Lower Las Vegas Wash. Funding is programmed in FY 04/05 and FY 05/06. Approximately \$4.5 million is included in the 10-Year program for this project.

**Las Vegas Wash Branch 01 (PV = 87.5)**

**LV01 - 0150 thru 0151** - This is the system that drains along Tropicana Avenue and Boulder Highway and discharges to the previous reach. Design funding is programmed in FY 03/04. Construction is programmed in FY 05/06 and FY. Approximately \$5.4 million is included in the 10-Year program for this project.

**Flamingo Wash Lamb to Boulder Highway (PV = 86.5)**

**FLWA - 0175 thru 0228** - Design funds for channelization of this reach of the Flamingo Wash is included in FY 03/04. Construction funding is programmed in FY 05/06. Approximately \$3.1 million is included in the 10-Year program for this project.

**Flamingo Wash Las Vegas Wash to Lamb (PV = 86.5)**

**FLWA - 0000 thru 0174** - Design funds for channelization of this reach of the Flamingo Wash is included in FY 04/05. Construction funding is programmed in FY 05/06. Approximately \$3.7 million is included in the 10-Year program for this project.

**Flamingo Wash Boulder Highway to McLeod (PV = 86.5)**

**FLWA - 0255 thru 0376** - Construction funds for channelization of this reach of the Flamingo Wash are included in FY 05/06 and FY 06/07. Approximately \$5.1 million is included in the 10-Year program for this project.

**Duck Creek Stephanie to Green Valley Parkway (PV = 83.0)**

**DCWA - 0390 thru 0520** - Design funds for channelization of this reach of the Duck Creek are programmed in FY 01/02. Construction is programmed in FY 02/03 and FY 03/04. Approximately \$4.2 million is included in the 10-Year Construction Program for this project.

**Duck Creek Green Valley Parkway to Sunset (PV = 83.0)**

**DCWA - 0597** - Design funds for channelization of this reach of the Duck Creek are programmed in FY 02/03. Construction is programmed in FY 03/04 and FY 04/05. Approximately \$4.7 million is included in the 10-Year Construction Program for this project.

**Duck Creek Sunset to Eastern (PV = 83.0)**

**DCWA - 0647 thru 0883** - Funding for design of an initial phase of this project through Newport Village is included in FY 01/02 with construction in the following year. Design of a subsequent phase is included in FY 04/05 with design programmed in FY 05.06 and FY 06/07. Approximately \$7.8 million is included in the 10-Year Construction Program for this project.

**Las Vegas Wash Branch 02 (PV = 76.5)**

**LV02** - This has been known in the past as the Monson Channel. Construction funds in the amount of \$2.1 million are included in FY 06/07 for this project.

**Duck Creek Las Vegas Blvd. To Lower Detention Basin (PV = 71.5)**

**DCWA - 1241 thru 1358** - Construction funds in the amount of \$1.4 million are included in FY 06/07 for this project.

**Duck Creek Las Vegas Blvd. To Central Detention Basin (PV = 71.5)**

**DCWA - 1362 thru 1594** - Construction funds in the amount of \$0.7 million are included in FY 06/07 for this project.

The Duck Creek/Blue Diamond and Tropicana/Flamingo Planning Areas (Clark County, Las Vegas Valley) of the 10-Year Construction Program total approximately \$124,170,000.

The projects proposed on the 10-Year Construction Program for the Outlying Areas of Clark County include the following:

**Hiko Springs Detention Basin Outfall in Laughlin** - design of this project is currently under way. Funding for construction of the outfall for the Hiko Springs Detention Basin is programmed in FY 97/98 and FY 98/99. Approximately \$8.5 million is programmed for this project.

**Bunkerville Improvements** - The Master Plan for Bunkerville was recently updated to include a detention basin and outfall system. Design is currently under way. Construction funding is proposed in FY 97/98 and FY 98/99 in the amount of \$6.4 million.

**Goodsprings Improvements** - This project consists of a diversion dike and channel improvements for Goodsprings, Nevada. The design and partial construction has been funded previously and additional construction funding is proposed in FY 97/98 in the amount of \$500,000.

**Muddy River** - This project consists of channel excavation above normal high water level along the Muddy River in Moapa Valley. Design and right-of-way acquisition is underway. Construction funding is included in every year of this 10-Year Construction Program totaling \$22.0

**Indian Springs Improvements** - The project includes two diversion dikes and a bridge to provide flood control to Indian Springs. The design is programmed in FY 00/01 in the amount of \$100,000 with construction in the amount of \$495,000 in the following year.

**Overton Wash Improvements in Moapa Valley** - The project has a total of \$1.5 million programmed for design and construction in FY 01/02.

**Searchlight Eastern Portion Improvements** - Construction funding for these improvements are included in FY 02/03 in the amount of \$0.7 million .

The 10-Year Construction Program for the Outlying Areas of Clark County totals approximately \$40,233,000. In all, among the Tropicana/Flamingo, Duck Creek Blue Diamond and Outlying planning Areas, Clark County has programmed \$164,403,000 for flood control facilities over the next 10 years.

## **Boulder City**

Projects completed since 1987 include:

**Buchanan Boulevard Channel**  
**Georgia Avenue Channel**  
**Hemenway Wash Improvements**

These projects total approximately \$6,591,000 in District funding. The Hemenway Wash Improvements project cost was \$5,516,000. In order to complete this sizable project in a timely manner, the funding was expedited. Due to the expedited funding for projects in Boulder City, along with the percentage of Phase 1 Flood Control Facilities, no projects had been proposed on the previous 10-Year Construction Programs between FY 91/92 and FY 95/96. An opportunity to combine design and construction funding with an NDOT project for Georgia Avenue and Adams Boulevard presented itself this past year. The 10-Year plan was amended to provide design funds for this West Airport Watershed project.

With this 10-year program funding in Year 9 last year will be moved forward to Year 8 (FY 04/05). Funding for the West Airport Watershed has been moved forward to keep pace with the NDOT project. Funding in the amount of \$5.1 million is provided in the following planning areas of Boulder City:

**West Airport Watershed** - \$100,000 for design and \$1,540,000 for construction is included in FY 97/98 to be compiled with federal funding of the Adams Avenue project scheduled for construction in June of 1997. These amounts were derived from pre-design cost estimates. FY 04/05 includes \$1.1 million for future projects in this watershed.

**North Railroad Watershed** Funds programmed in FY 04/05 in the amount of \$1.8 Million

**Georgia and Buchanan Watershed** Funds programmed in FY 04/05 in the amount of 0.6 million.

More specific project descriptions and priority rankings will be provided in response to Master Plan Updates and as the programmed funding enters the first five years of the program.

### **Mesquite**

The Town Wash Detention Basin was funded by the District in previous years. This project totaled approximately \$4,362,000. In order to complete this sizable project in a timely manner, the funding was expedited. Due to the expedited funding for the Town Wash Detention Basin Project, along with Mesquite's percentage of Phase 1 Flood Control Facilities, no projects had been proposed on the previous 10-Year Construction Programs between FY 91/92 and FY 95/96.

City of Mesquite included funds in the ninth year of the previously approve 10-Year Construction Program. These funds are continued forward in this 10-Year Construction Program, appearing in Year 8 (FY 04/05). Funding in the amount of \$6.0 million is programmed to improve the channels from I-15 to the Virgin River on the Town Wash, Abbott Wash and Pulsipher Wash. More specific project descriptions and priority rankings will be provided in response to Master Plan Updates and as the programmed funding enters the first five years of program.

## **FY 97/98 Project List:**

The first year of the 10-Year Construction Program comprises the recommended FY 97/98 Project List. The project list totals \$42,413,000 and is funded from the estimated 1/4% sales tax revenue and funds remaining from previous set asides for the Corps of Engineers Tropicana/Flamingo Washes project. Projected revenue for the first year is \$43,137,000. The proposed FY 97/98 Project List is as follows:

### **Henderson (C-1 Channel and Pittman Wash Planning Areas):**

**Sunset Detention Basin** collection and outfall system. Funds for final design and right-of-way engineering are included in the amount of \$1,760,000. Initial construction funds in the amount of \$1,000,000 are also included.

**Pittman Park Detention Basin.** This basin is a joint use facility which is already occupied by a sports park. Site excavation is nearly complete by construction of the park through coordination with the District. Final design is currently under way. \$1,220,000 is included to complete construction.

**Southwest C-1 Detention Basin.** This project completes the detention system in the upper C-1 watershed. Design and right-of-way engineering is include in the amount of \$850,000. Construction funds in the amount of \$\$3,000,000.

**Railroad East Detention Basin.** Year one includes \$1,270,000 for right-of-way acquisition.

**Total First Year:** \$9,100,000

### **Las Vegas (Central Basin and Gowan Planning Areas):**

**Freeway Conveyance South.** The First Year program includes \$500,000 for design of the reach from the Charleston Underpass to the Las Vegas Creek.

**Gowan North - Buffalo & Tenaya Branches and Upper Gowan Outfall.** Funds in the amount of \$100,000 are included for design of these facilities.

**Washington Avenue System.** Funds in the amount of \$1,000,000 are programmed for construction of the reach from I-15 to Martin Luther King Boulevard.

**Gowan Outfall Lone Mountain Branch.** Design funds are included in the amount of \$150,000 for the reach from Clayton to Farell.

**Gowan North Channel.** Year One includes \$2,125,000 for construction from the North Gowan Detention Basin to Buffalo Drive.

**Total First Year:**           \$3,875,000

**North Las Vegas (Northern Las Vegas Wash, Range Wash and Lower Las Vegas Wash Planning Areas):**

**Vandenberg Detention Basin.** Year One includes \$500,000 for design and right-of-way acquisition.

**Western Tributary Las Vegas Wash Camino Al Norte to Ann.** Design and right-of-way acquisition is programmed in the amount of \$1,200,000 and construction in the amount of \$1,000,000.

**Western Tributary Las Vegas Wash Ann to Centennial.** Design and right-of-way acquisition is programmed in the amount of \$1,000,000.

**Clayton Street Channel.** Design is included in the amount of \$200,00.

**Las Vegas Wash Lake Mead to the "N" Channel.** Construction funding in the amount of \$5,200,000 is included in Year One.

**Las Vegas Wash "N" Channel to Alexander.** Design funding in the amount of \$400,000 is included in Year One.

**Total First Year:** \$9,500,000

**Clark County (Las Vegas Valley)**

**Duck Creek/Blue Diamond and Tropicana/Flamingo Planning Area:**

**Corps of Engineer's Tropicana/Flamingo Project.** \$3,328,000 is programmed to meet the forecasted demands for local share for the project.

**Lower Duck Creek Detention Basin.** Final design is programmed in the amount of \$650,000.

**Buffalo, Spring Mountain, Desert Inn Drains and Lakes Det. Basin.** Design funds are included at \$300,000.

**Flamingo Wash Lateral Drain & Desert Inn Det. Basin.** \$250,000 is included for design and right-of-way.

**Durango Collector.** Design and right-of-way is funded in the amount of \$388,000.

**Tropicana Wash Koval to Flamingo Wash.** Construction is programmed in the amount of \$2,432,000.

**Land Acquisition Upper & Central Duck Creek Det. Basins and Lower Blue Diamond and Bird Springs Det. Basins.** Year One includes \$200,00 for pre-design and right-of-way engineering.

**Duck Creek Boulder Highway to Stephanie.** The first year includes \$400,000 for design and right-of-way engineering.

**Clark County (Outlying Areas):**

**Hiko Springs Outfall.** Initial construction funding is included in the amount of \$6,250,000.

**Bunkerville.** Initial construction funding for the Windmill Wash Detention Basin is included in the amount of \$2,400,000.

**Goodsprings.** \$500,000 is included for the Phase I improvements.

**Muddy River.** Initial Construction funds in the amount of \$1,300,000 are included in Year One.

Clark County (Las Vegas Valley):	\$ 7,948,000
Clark County (Outlying Areas):	<u>\$10,450,000</u>

<b>Total First Year:</b>	<b>\$18,398,000</b>
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**Boulder City:**

**West Airport Watershed.** \$100,000 for design and \$1,540,000 for construction is included in FY 97/98 to be compiled with federal funding of the Adams Avenue project scheduled for construction in June of 1997. These amounts were derived from pre-design cost estimates. FY 04/05 includes \$1.1 million for future projects in this watershed.

It should be noted that projects that are not included on the FY 97/98 project list may be eligible to have construction funding expedited if they meet the criteria presented in Section 2.6 of the District's Policies and Procedures manual. To meet these criteria a project must be included on the top five years of the 10-Year plan; have ninety (90) percent of design complete; have all right-of-entry for construction purposes obtained; and have all necessary permits, including environmental.

## **EXHIBIT A**

## EXHIBIT A

### PROGRAMMING PERCENTAGES

Entity	Planning Area	Funded Projects (a)	1996 MPU Total Costs (b)	Total Planning Area Cost	Percent of Total Planning Area
<b>Henderson :</b>					
	C-1	\$23,119,834.50	\$41,502,000	\$64,621,835	4.13%
	Pittman	\$12,828,870.23	\$183,864,000	\$196,692,870	12.57%
	<b>Sub-total</b>	<b>\$35,948,704.73</b>	<b>\$225,366,000</b>	<b>\$261,314,705</b>	<b>16.70%</b>
<b>Las Vegas</b>					
	Central	\$38,610,973.69	\$147,877,000	\$186,487,974	11.91%
	Gowan	\$40,672,231.04	\$148,147,000	\$188,819,231	12.06%
	<b>Sub-total</b>	<b>\$79,283,204.73</b>	<b>\$296,024,000</b>	<b>\$375,307,205</b>	<b>23.98%</b>
<b>North Las Vegas</b>					
	Nothorn L V Wash	\$30,790,346.27	\$172,678,000	\$203,468,346	13.00%
	Range	\$19,472,015.62	\$91,875,000	\$111,347,016	7.11%
	Lower L V Wash	\$0.00	\$31,216,000	\$31,216,000	1.99%
	<b>Sub-total</b>	<b>\$50,262,361.89</b>	<b>\$295,769,000</b>	<b>\$346,031,362</b>	<b>22.11%</b>
<b>Clark County</b>					
	Duck Cr/Blue Diamond	\$11,469,742.82	\$207,005,000	\$218,474,743	13.96%
	Flamingo/Tropicana	\$47,430,818.22	\$217,860,000	\$265,290,818	16.95%
	Outlying	\$12,629,643.74	\$55,983,935	\$68,613,579	4.38%
	<b>Sub-total</b>	<b>\$71,530,204.78</b>	<b>\$480,848,935</b>	<b>\$552,379,140</b>	<b>35.29%</b>
<b>Boulder City :</b>					
	Boulder City	\$6,591,310.23	\$8,989,000	\$15,580,310	1.00%
	<b>Sub-total</b>	<b>\$6,591,310.23</b>	<b>\$8,989,000</b>	<b>\$15,580,310</b>	<b>1.00%</b>
<b>Mesquite :</b>					
	Mesquite	\$4,362,145.65	\$10,200,000	\$14,562,146	0.93%
	<b>Sub-total</b>	<b>\$4,362,145.65</b>	<b>\$10,200,000</b>	<b>\$14,562,146</b>	<b>0.93%</b>
<b>GRAND-TOTAL</b>		<b>\$247,977,932.01</b>	<b>\$1,317,196,935</b>	<b>\$1,565,174,867</b>	<b>100.00%</b>

Notes:

- (a) From CIP Cumulative Reporting 2/13/97 at adoption of Las Vegas Valley MPU
- (b) Cost of remaining facilities from applicable Master Plans as of 2/13/97 at adoption of Las Vegas Valley MPU

## **EXHIBIT B**

# EXHIBIT B

## Project Prioritization

July 10, 1997

Facility Description	Planning Area	Facility Identification	Project Cost	Pop. val (5.0)	Land val (4.5)	Public val (4.0)	Access val (3.5)	Avoid. val (3.0)	Funding val (2.5)	Relation. val (2.0)	Implem. val (1.5)	Environ. val (1.0)	Mainten. val (0.5)	TOTAL val
<b>HENDERSON :</b>														
Stephanie Channel Lower Reach	Pittman	PTDC 0000 - 0013	\$1,317,000	1 5.0	2 9.0	3 12.0	1 3.5	1 3.0	0 0.0	2 4.0	1 1.5	1 1.0	3 1.5	40.5
Pittman Park Detention Basin	Pittman	PTWA 0050	\$1,219,000	2 10.0	3 13.5	3 12.0	4 14.0	3 9.0	4 10.0	5 10.0	5 7.5	3 3.0	3 1.5	90.5
Railroad East Detention Basin and Conveyance System	Pittman	PTRE 0000 - 0070	\$9,623,000	4 20.0	4 18.0	1 4.0	2 7.0	5 15.0	0 0.0	5 10.0	5 7.5	2 2.0	1 0.5	84.0
Pittman Stephanie Detention Basin	Pittman	PTMR 0447	\$5,083,000	1 5.0	3 13.5	0 0.0	1 3.5	4 12.0	2 5.0	4 8.0	2 3.0	1 1.0	1 0.5	51.5
Sunset Detention Basin, Collection and Outfall System	Pittman	PTVW 0000 - 0102	\$11,588,000	2 10.0	4 18.0	4 16.0	4 14.0	4 12.0	3 7.5	4 8.0	3 4.5	1 1.0	3 1.5	92.5
Pittman Pecos West Conveyance	Pittman	PTPW 0000	\$788,000	3 15.0	3 13.5	4 16.0	2 7.0	2 6.0	4 10.0	5 10.0	5 7.5	1 1.0	3 1.5	87.5
Eastern Ave. Tributary	Pittman	PTEA 0000	\$3,653,000	3 15.0	3 13.5	4 16.0	4 14.0	1 3.0	1 2.5	5 10.0	5 7.5	2 2.0	1 0.5	84.0
Pittman East detention Basin	Pittman	PTEA 0439	\$11,385,000	3 15.0	3 13.5	3 12.0	2 7.0	4 12.0	3 7.5	4 8.0	3 4.5	2 2.0	3 1.5	83.0
South Pittman Detention Basin	Pittman	PTPW 0289 - 0309	\$8,227,000	4 20.0	4 18.0	1 4.0	1 3.5	4 12.0	4 10.0	4 8.0	4 6.0	1 1.0	1 0.5	83.0
Pittman Wash - Beltway	Pittman	PTBL 0000	\$418,000	3 15.0	2 9.0	5 20.0	5 17.5	1 3.0	1 2.5	4 8.0	3 4.5	1 1.0	1 0.5	81.0
Southwest C-1 Detention Basin (Black Mountain)	C-1 Ch.	C1CH 0861 - 0997	\$5,080,000	3 15.0	4 18.0	3 12.0	3 10.5	5 15.0	1 2.5	4 8.0	4 6.0	1 1.0	4 2.0	90.0
C-1 Channel Upper Reach	C-1 Ch.	C1CH 0579 - 0635	\$1,429,000	4 20.0	4 18.0	2 8.0	3 10.5	1 3.0	0 0.0	4 8.0	3 4.5	3 3.0	4 2.0	77.0
C-1 Channel Boulder Highway	C-1 Ch.	C1BH 0000	\$2,359,000	3 15.0	3 13.5	3 12.0	4 14.0	3 9.0	0 0.0	4 8.0	1 1.5	3 3.0	5 2.5	78.5
Northeast C-1 Levee and Detention Basin	C-1 Ch.	C1IT 0199 - 0246	\$7,434,000	3 15.0	4 18.0	4 16.0	3 10.5	2 6.0	1 2.5	3 6.0	1 1.5	1 1.0	3 1.5	78.0
Northeast Detention Basin Outfall	C-1 Ch.	C1IT 0000 - 0127	\$4,532,000	3 15.0	4 18.0	3 12.0	3 10.5	2 6.0	1 2.5	4 8.0	2 3.0	1 1.0	3 1.5	77.5
C-1 Channel Middle Reach Burkholder to UPRR	C-1 Ch.	C1CH 0412 - 0578	\$5,137,000	3 15.0	3 13.5	4 16.0	2 7.0	2 6.0	1 2.5	4 8.0	5 7.5	4 4.0	4 2.0	81.5
East C-1 Detention Basin	C-1 Ch.	C1IT 0492	\$4,834,000	4 20.0	3 13.5	3 12.0	4 14.0	3 9.0	2 5.0	3 6.0	4 6.0	3 3.0	3 1.5	90.0
Equestrian Detention Basin Outfall	C-1 Ch.	C1EQ 0000 - 0180	\$4,771,000	2 10.0	3 13.5	2 8.0	2 7.0	3 9.0	2 5.0	4 8.0	2 3.0	2 2.0	1 0.5	66.0
Drake Channel	C-1 Ch.	C1DC 0000 - 0123	\$1,120,000	2 10.0	3 13.5	3 12.0	2 7.0	2 6.0	4 10.0	4 8.0	3 4.5	1 1.0	2 1.0	73.0
C-1 Lower Reach	C-1 Ch.	C1CH 0000 - 0174	\$4,805,000	0 0.0	3 13.5	0 0.0	0 0.0	3 9.0	2 5.0	3 6.0	1 1.5	2 2.0	1 0.5	37.5

# EXHIBIT B

## Project Prioritization

July 10, 1997

Facility Description	Planning Area	Facility Identification	Project Cost	Pop. val (5.0)	Land val (4.5)	Public val (4.0)	Access val (3.5)	Avoid. val (3.0)	Funding val (2.5)	Relation. val (2.0)	Implem. val (1.5)	Environ. val (1.0)	Mainten. val (0.5)	TOTAL val
<b>CITY OF LAS VEGAS:</b>														
Upper Washington Avenue Channel and Spaghetti Bowl	Central	WAPR-0000	\$3,495,000	4 20.0	3 13.5	4 16.0	5 17.5	3 9.0	1 2.5	4 8.0	5 7.5	3 3.0	4 2.0	99.0
South Las Vegas Creek to Charleston	Central	FW15 0000 - 0038	\$12,184,000	5 25.0	5 22.5	5 20.0	5 17.5	2 6.0	3 7.5	5 10.0	4 6.0	1 1.0	2 1.0	116.5
Oakey Drain I-15 to Valey View	Central	FWOK 0000 - 0191	\$8,594,000	4 20.0	3 13.5	3 12.0	3 10.5	5 15.0	4 10.0	5 10.0	3 4.5	1 1.0	3 1.5	98.0
Freeway Channel Bypass Facility	Central	FWUP 0000 - 0059	\$2,680,000	5 25.0	3 13.5	5 20.0	5 17.5	2 6.0	2 5.0	3 6.0	3 4.5	1 1.0	4 2.0	100.5
Freeway Channel South Charleston to Sahara	Central	FW15 0089 - 0150	\$7,989,000	4 20.0	3 13.5	5 20.0	5 17.5	4 12.0	2 5.0	2 4.0	3 4.5	1 1.0	4 2.0	99.5
Owens Avenue System Rancho to I-15	Central	LVOW 0000 - 0146	\$6,126,000	4 20.0	3 13.5	4 16.0	3 10.5	3 9.0	5 12.5	4 8.0	5 7.5	1 1.0	3 1.5	99.5
Washington Avenue System Martin Luther King to I-15	Central	LV15 0229 - 0339	\$754,000	4 20.0	4 18.0	4 16.0	4 14.0	3 9.0	5 12.5	4 8.0	4 6.0	1 1.0	2 1.0	105.5
Colorado Avenue System Las Vegas Wash to I-515	Central	LVCO 0000 - 0166	\$1,493,000	5 25.0	4 18.0	4 16.0	3 10.5	3 9.0	1 2.5	4 8.0	3 4.5	3 3.0	2 1.0	97.5
Las Vegas Wash - Rancho	Central	LVRA 0000 - 0091	\$2,655,000	4 20.0	5 22.5	4 16.0	4 14.0	5 15.0	1 2.5	3 6.0	3 4.5	1 1.0	3 1.5	103.0
Gowan North Channel - N. Det. Basin to Lone Mtn.	Gowan	GONO 0009 - 0205	\$12,111,000	4 20.0	4 18.0	4 16.0	4 14.0	3 9.0	1 2.5	5 10.0	3 4.5	3 3.0	5 2.5	99.5
Gowan NorthChannel - Lone mtn. to CAM-10 Det. Basin	Gowan	GONO 0234 - 0566	\$1,197,900	4 20.0	4 18.0	4 16.0	4 14.0	3 9.0	1 2.5	5 10.0	3 4.5	1 1.0	4 2.0	97.0
Lone Mountain System - Outfall to Durango	Gowan	GOLM 0000 - 0101	\$1,767,000	4 20.0	4 18.0	4 16.0	4 14.0	3 9.0	3 7.5	4 8.0	3 4.5	3 3.0	2 1.0	101.0
Gowan North - Buffalo, & Tenaya Branches & Upper Gowan Outfall	Gowan	GOBU, GOTE, GOOF 0775	\$5,360,000	4 20.0	3 13.5	4 16.0	3 10.5	5 15.0	5 12.5	5 10.0	4 6.0	1 1.0	4 2.0	106.5
Gowan North - El Capitan Branch	Gowan	GOEC	\$4,177,000	3 15.0	3 13.5	4 16.0	3 10.5	5 15.0	5 12.5	5 10.0	4 6.0	4 4.0	2 1.0	103.5
Gowan South Det. Basin Expansion	Gowan	GOSO 0051	\$1,675,000	4 20.0	4 18.0	4 16.0	3 10.5	5 15.0	1 2.5	2 4.0	2 3.0	1 1.0	1 0.5	90.5
Gowan North - Durango Branch	Gowan	GODU	\$981,000	4 20.0	3 13.5	4 16.0	3 10.5	5 15.0	5 12.5	5 10.0	4 6.0	1 1.0	2 1.0	105.5
Gowan Outfall - Lone Mtn. Branch	Gowan	GOLO 0000 - 0076	\$3,900,000	4 20.0	4 18.0	4 16.0	4 14.0	3 9.0	5 12.5	4 8.0	3 4.5	1 1.0	2 1.0	104.0

# EXHIBIT B

## Project Prioritization

July 10, 1997

Facility Description	Planning Area	Facility Identification	Project Cost	Pop. val (5.0)	Land val (4.5)	Public val (4.0)	Access val (3.5)	Avoid. val (3.0)	Funding val (2.5)	Relation. val (2.0)	Implem. val (1.5)	Environ. val (1.0)	Mainten. val (0.5)	TOTAL val
<b>CITY OF NORTH LAS VEGAS:</b>														
Vandenberg Detention Basin	Range	RWWE 170	\$5,194,000	4 20.0	4 18.0	4 16.0	4 14.0	4 12.0	2 5.0	5 10.0	4 6.0	3 3.0	3 1.5	105.5
Owens Detention Basin and Washington Outfall	Range	SLWA 0000 - 0153	\$3,922,000	3 15.0	4 18.0	3 12.0	3 10.5	3 9.0	3 7.5	3 6.0	4 6.0	3 3.0	3 1.5	88.5
West Range Channel Las Vegas Blvd. to Diversion	Range	RWSL 0576 - 0672	\$3,690,000	3 15.0	4 18.0	3 12.0	4 14.0	3 9.0	3 7.5	5 10.0	4 6.0	2 2.0	4 2.0	95.5
Upper Washington System	Range	SLWA 0158, SLOW, SLER	\$3,024,000	3 15.0	3 13.5	3 12.0	3 10.5	3 9.0	2 5.0	3 6.0	3 4.5	2 2.0	4 2.0	79.5
Alto and Lake Mead Conveyances	Range	RWAL RWLM	\$6,824,000	2 10.0	2 9.0	2 8.0	2 7.0	3 9.0	2 5.0	4 8.0	3 4.5	2 2.0	4 2.0	64.5
Sloan Channel	Range	RWSL 0000 - 0135	\$4,565,000	2 10.0	3 13.5	2 8.0	2 7.0	3 9.0	2 5.0	4 8.0	3 4.5	2 2.0	4 2.0	69.0
Sloan E. Br. & W. Range Channel Vandenberg Det. Basin to LV Blvd.	Range	SLEB 0000 - 0046 RWWE 0000 - 0168	\$4,254,000	3 15.0	3 13.5	3 12.0	3 10.5	3 9.0	2 5.0	3 6.0	3 4.5	2 2.0	3 1.5	79.0
Lower Las Vegas Wash Detention Basin	Northern LV Wash	LVMD 2050	\$11,890,000	5 25.0	4 18.0	5 20.0	3 10.5	5 15.0	2 5.0	4 8.0	4 6.0	3 3.0	3 1.5	112.0
Las Vegas Wash Main Branch Lake Mead to 'N' Channel	Northern LV Wash	LVMD 1421 - 1534	\$5,731,000	4 20.0	4 18.0	4 16.0	3 10.5	3 9.0	2 5.0	4 8.0	4 6.0	3 3.0	4 2.0	97.5
A' Channel Alexander to 'N' Channel	Northern LV Wash	LVMD 1535 - 1680	\$6,601,000	3 15.0	3 13.5	4 16.0	3 10.5	4 12.0	4 10.0	4 8.0	4 6.0	2 2.0	4 2.0	95.0
Western Tributary Channel Camino Al Norte to Ann	Northern LV Wash	LVMD 1954 - 2172	\$9,890,000	4 20.0	4 18.0	4 16.0	3 10.5	4 12.0	3 7.5	3 6.0	4 6.0	3 3.0	3 1.5	100.5
Western Tributary Channel Lower LV Det. Basin to Centennial	Northern LV Wash	LVMD 2206 - 2322	\$6,407,000	4 20.0	3 13.5	4 16.0	4 14.0	3 9.0	4 10.0	4 8.0	3 4.5	3 3.0	3 1.5	99.5
Ann Rd. System Rancho to Allen	Northern LV Wash	ANWE 0000 - 0361	\$9,829,000	3 15.0	4 18.0	4 16.0	4 14.0	3 9.0	3 7.5	3 6.0	3 4.5	2 2.0	4 2.0	94.0
Kyle Canyon Outfall (Beltway) W. Trib. - Decatur to Grand Teton	Northern LV Wash	LVMD 2324, CNWE-0000	\$5,326,000	3 15.0	3 13.5	3 12.0	3 10.5	3 9.0	3 7.5	3 6.0	3 4.5	3 3.0	3 1.5	82.5
Upper Las Vegas Wash Craig to Elkhorn	Northern LV Wash	LVUP 0000 - 0210	\$13,116,000	3 15.0	3 13.5	3 12.0	4 14.0	3 9.0	3 7.5	3 6.0	3 4.5	2 2.0	4 2.0	85.5
Clayton Street Channel	Northern LV Wash	LV03 0000	\$5,000,000	4 20.0	3 13.5	4 16.0	4 14.0	3 9.0	3 7.5	4 8.0	4 6.0	2 2.0	4 2.0	98.0
"A" Channel Craig Confluence	Northern LV Wash	LV06 0000 - 0138	\$4,247,000	3 15.0	3 13.5	3 12.0	4 14.0	3 9.0	4 10.0	4 8.0	4 6.0	2 2.0	4 2.0	91.5

# EXHIBIT B

## Project Prioritization

July 10, 1997

Facility Description	Planning Area	Facility Identification	Project Cost	Pop. val (5.0)	Land val (4.5)	Public val (4.0)	Access val (3.5)	Avoid. val (3.0)	Funding val (2.5)	Relation. val (2.0)	Implem. val (1.5)	Environ. val (1.0)	Mainten. val (0.5)	TOTAL val
<b>CLARK COUNTY:</b>														
Flamingo Lateral (Flamingo/Rainbow) & Desert Inn Detention Basin	Flamingo/Tropicana	FLLA 0308 - 0369	\$2,496,000	3 15.0	4 18.0	4 16.0	4 14.0	4 12.0	3 7.5	4 8.0	4 6.0	2 2.0	2 1.0	99.5
Flamingo Wash - Bufalo, Spring Mtn Drain, Lakes Det. Basin, Desert Inn Drain	Flamingo/Tropicana	FLBF, FLISM, FLDI	\$12,348,000	4 20.0	4 18.0	4 16.0	4 14.0	4 12.0	3 7.5	4 8.0	4 6.0	2 2.0	3 1.5	105.0
Durango Collector	Flamingo/Tropicana	FLDR	\$5,182,000	3 15.0	4 18.0	4 16.0	4 14.0	3 9.0	3 7.5	4 8.0	4 6.0	2 2.0	2 1.0	96.5
Flamingo Wash Swensen to Lower Flamingo Det. Basin	Flamingo/Tropicana	FLWA 0648 - 1049	\$4,442,000	4 20.0	4 18.0	4 16.0	3 10.5	3 9.0	3 7.5	4 8.0	4 6.0	2 2.0	3 1.5	98.5
Flamingo Wash McLeod to Maryland Pkwy.	Flamingo/Tropicana	FLWA 0400 - 0593	\$4,858,000	4 20.0	4 18.0	4 16.0	3 10.5	4 12.0	2 5.0	3 6.0	3 4.5	2 2.0	2 1.0	95.0
Tropicana Wash Flamingo Wash to Koval	Flamingo/Tropicana	TRWA 0000 - 0152	\$6,705,000	4 20.0	4 18.0	4 16.0	3 10.5	4 12.0	2 5.0	3 6.0	3 4.5	2 2.0	3 1.5	95.5
Las Vegas Wash - Branch 01 Tropicana Ave Channel Reach 1	Flamingo/Tropicana	LV01 0000 - 0118	\$4,503,000	2 10.0	4 18.0	4 16.0	3 10.5	4 12.0	3 7.5	3 6.0	3 4.5	2 2.0	2 1.0	87.5
Las Vegas Wash - Branch 01 Tropicana Ave Channel Reach 2	Flamingo/Tropicana	LV01 0150 - 0151	\$5,436,000	2 10.0	4 18.0	4 16.0	3 10.5	4 12.0	3 7.5	3 6.0	3 4.5	2 2.0	2 1.0	87.5
Flamingo Wash Las Vegas Wash to Lamb	Flamingo/Tropicana	FLWA 0000 - 0174	\$3,734,000	3 15.0	3 13.5	3 12.0	3 10.5	4 12.0	3 7.5	4 8.0	3 4.5	2 2.0	3 1.5	86.5
Flamingo Wash Lamb to Boulder Highway	Flamingo/Tropicana	FLWA 0175 - 0228	\$3,135,000	3 15.0	3 13.5	3 12.0	3 10.5	4 12.0	3 7.5	4 8.0	3 4.5	2 2.0	3 1.5	86.5
Flamingo Wash Boulder Highway to McLeod	Flamingo/Tropicana	FLWA 0225 - 0376	\$5,050,000	3 15.0	3 13.5	3 12.0	3 10.5	4 12.0	3 7.5	4 8.0	3 4.5	2 2.0	3 1.5	86.5
Flamingo Wash and Lower Flamingo Detention Basin	Flamingo/Tropicana	FLWA 1050 - 1376	\$3,268,000	3 15.0	4 18.0	3 12.0	3 10.5	4 12.0	3 7.5	4 8.0	3 4.5	2 2.0	3 1.5	91.0
Las Vegas Wash - Bannoch 02 Monson Channel	Flamingo/Tropicana	LV02	\$8,350,000	2 10.0	3 13.5	3 12.0	3 10.5	3 9.0	3 7.5	3 6.0	3 4.5	2 2.0	3 1.5	76.5
RAW Aqc. Upper, Central & S. Duck, Lower Blue Diamond & Birdspring Det. Basins	Duck Creek/Blue Diamond	DCWA 2261, 1658 DCSD 0278, DCBD 0282, DCWA 2668	\$2,045,000	5 25.0	4 18.0	3 12.0	3 10.5	3 9.0	2 5.0	4 8.0	4 6.0	1 1.0	1 0.5	95.0
Lower Duck Detention Basin	Duck Creek/Blue Diamond	DCWA 1216	\$11,871,000	5 25.0	5 22.5	5 20.0	4 14.0	4 12.0	3 7.5	5 10.0	3 4.5	2 2.0	4 2.0	119.5
Duck Creek Boulder Highway to Stephanie	Duck Creek/Blue Diamond	DCWA 0251 - 0340	\$5,057,000	3 15.0	3 13.5	3 12.0	4 14.0	4 12.0	2 5.0	3 6.0	3 4.5	4 4.0	4 2.0	88.0
Duck Creek Stephanie to Green Valley Pkwy./Patrick	Duck Creek/Blue Diamond	DCWA 0390 - 0520	\$4,225,000	3 15.0	3 13.5	3 12.0	3 10.5	3 9.0	3 7.5	3 6.0	3 4.5	3 3.0	4 2.0	83.0
Duck Creek Green Valley Pkwy./Patrick to Sunset	Duck Creek/Blue Diamond	DCWA 0597	\$4,698,000	3 15.0	3 13.5	3 12.0	3 10.5	3 9.0	3 7.5	3 6.0	3 4.5	3 3.0	4 2.0	83.0
Duck Creek Sunset to Eastern	Duck Creek/Blue Diamond	DCWA 0647 - 0883	\$8,119,000	3 15.0	3 13.5	3 12.0	3 10.5	3 9.0	3 7.5	3 6.0	3 4.5	3 3.0	4 2.0	83.0
Duck Creek Eastern to Lower Detention Basin	Duck Creek/Blue Diamond	DCWA 0884 - 1169	\$8,106,000	3 15.0	3 13.5	3 12.0	3 10.5	3 9.0	3 7.5	3 6.0	3 4.5	3 3.0	4 2.0	83.0
Duck Creek Lower Detention Basin to Las Vegas Blvd.	Duck Creek/Blue Diamond	DCWA 1241 - 1358	\$3,984,000	2 10.0	2 9.0	3 12.0	3 10.5	3 9.0	2 5.0	4 8.0	3 4.5	2 2.0	3 1.5	71.5
Duck Creek Las Vegas Blvd. to Central Detention Basin	Duck Creek/Blue Diamond	DCWA 1362 - 1594	\$6,642,000	2 10.0	2 9.0	3 12.0	3 10.5	3 9.0	2 5.0	4 8.0	3 4.5	2 2.0	3 1.5	71.5
Lower Las Vegas Wash - Reach 2	Lower Las Vegas Wash	LVMD 0605 - 0772(R/W)	\$2,480,000	1 5.0	2 9.0	2 8.0	2 7.0	3 9.0	2 5.0	3 6.0	3 4.5	3 3.0	3 1.5	58.0
Property Acq.; Channel Widening	Lower Las Vegas Wash	LVMD 1032 - 1321	\$9,730,000	2 10.0	3 13.5	2 8.0	2 7.0	3 9.0	2 5.0	3 6.0	3 4.5	3 3.0	3 1.5	67.5
Channel Lining - Pecos/Lake Mead to Vegas Valley	Lower Las Vegas Wash	LVMD 1032 - 1321	\$9,270,000	1 5.0	1 4.5	2 8.0	1 3.5	3 9.0	3 7.5	3 6.0	3 4.5	4 4.0	2 1.0	53.0
Stabilization Reach 1	Lower Las Vegas Wash	LVMD 0002												

## 2.5 PROJECT PRIORITIZATION

The relative priority of Master Plan projects will be assessed annually during review and development of the Fiscal Year Project List and the Ten-Year Program. Any entity may request at any time that a project be placed on the Fiscal Year List or the Ten-Year Program. Any request for a project must include all necessary data to allow the Technical Advisory Committee and District staff to evaluate the project in terms of the following criteria:

a) Population Affected

Refers to the existing population affected by the construction of the project considered. Impact includes reducing flood hazards.

b) Assessed Land Value Impacted

Assessed land values for developed and undeveloped land affected by the project, including all structures (public, commercial, or residential) will be reviewed. Impact on land values related to a reduction of the floodplain area will be considered under this item.

c) Public Perception of Need

The project will be evaluated in terms of satisfying the public's desire to see their money spent on "worthwhile" projects and the public's perception of need.

d) Emergency Access and Public Inconvenience

The project will be evaluated to determine its impact on the access of emergency vehicles including police, ambulance, and fire vehicles to their respective substation, hospital or station. The evaluation will include an assessment of the project's contribution to the development of an all-weather transportation system and accessibility to flood isolated residences, businesses, and public facilities.

e) Cost Avoidance

Cost avoidance includes projects which will reduce future costs, including potential damage, construction of oversized facilities, and the ability to construct. This item should also address other costs associated with lost opportunity and the risk associated with inadequate or undersized facilities.

f) Availability of Other Funding Sources

This includes an evaluation of the potential for funds from grants, developers, the Corps of Engineers, and other public and private interests. Additional funding sources shall include but are not limited to land donated by private developers and

the Bureau of Land Management.

g) Interrelationship to Other Projects

Projects which score high on this criterion can function independently or are needed to complete or increase the effectiveness of the existing regional and local drainage system.

h) Timing and Implementation

All aspects of timing and implementation should be considered under this item including availability of right-of-way, permit review if necessary, and ability to administer and begin a project in a reasonable time-frame.

i) Environmental Enhancement

Evaluation of this criterion includes benefits derived from improving or mitigating the threat to public health resulting from stagnant water, erosion, raw sewage spills, and contamination of the domestic water supply. It also includes, if applicable, information on the project's enhancement of habitat, recreational opportunities, and water quality.

j) Annual Maintenance Cost

Projects which will rank high on this criterion have a lower maintenance cost than those facilities now in existence or will reduce maintenance costs downstream.

## **EXHIBIT C**

# EXHIBIT C

## 10-YEAR CONSTRUCTION PROGRAM

July 10, 1997

					FY 97/98 (Year 1)		FY 98/99 (Year 2)		FY 99/00 (Year 3)		FY 00/01 (Year 4)		FY 01/02 (Year 5)	
Facility Description	Planning Area	Project Cost Per MPU	Priority Value	Notes	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.
<b>HENDERSON :</b>														
Sunset Detention Basin, Collection System and Outfall (PTVW-0000 THRU 0102)	Pittman	\$11,588,000	92.5		1.760	1.000		4.500		3.500				
Pittman Park Detention Basin (PTWA-0050)	Pittman	\$1,219,000	90.5			1.220								
S.W. C-1 Det. Basin (Black Mtn.) (C1CH-0861 thru 0997)	C-1 Ch.	\$5,080,000	90.0		0.850	3.000		1.790						
East C-1 Detention Basin (C1IT-0492)	C-1 Ch.	\$4,834,000	90.0				0.660		3.000		1.170			
Pittman Pecos West Conveyance (PTPW- 0000)	Pittman	\$788,000	87.5						0.420		2.390			
Eastern Ave. Trib. (PTEA-0000)	Pittman	\$3,653,000	84.0						0.510		2.880			
Railroad East Det. Basin and Conveyance (PTRE-0000 thru 0070)	Pittman	\$9,623,000	84.0		1.270									
Pittman Eastern Det. Basin (PTPE-0439)	Pittman	\$11,385,000	83.0										1.710	
Central Pittman Det. Basin and Conveyance (PTPW-0289 thru 0309)	Pittman	\$8,227,000	83.0							1.230			5.000	
C-1 Channel - (Burkholder to UPRR) (C1CH-0412 thru 0578)	C-1 Ch.	\$5,137,000	81.5											
Pittman Wash - Beltway (PTBL-0000)	Pittman	\$418,000	81.0						0.060		0.360			
Boulder Highway Channel (C1BH-0000)	C-1 Ch.	\$2,359,000	78.5											
N.E. C-1 Det. Basin and Levee (C1IT-0199 thru 0246)	C-1 Ch.	\$7,434,000	78.0											
N.E. C-1 Det. Basin Outfall (C1IT-0000 thru 0127)	C-1 Ch.	\$4,532,000	77.5											
C-1 Channel - Upper Reach (C1CH-0579 thru 0635)	C-1 Ch.	\$1,429,000	77.0											
Drake Channel (C1DC-0000 thru 0123)	C-1 Ch.	\$1,120,000	73.0											
Equestrian Det. Basin Outfall (C1EQ-0000 thru 0180)	C-1 Ch.	\$4,771,000	66.0											
Totals per Fiscal Year ( x \$1,000,000)					9.100		6.950		7.490		8.030		6.710	
<b>Henderson 10-Year Total :</b>					<b>\$78,030,000</b>									

# EXHIBIT C

## 10-YEAR CONSTRUCTION PROGRAM

July 10, 1997

July 10, 1997

					FY 02/03 (Year 6)		FY 03/04 (Year 7)		FY04/05 (Year 8)		FY05/06 (Year 9)		FY06/07 (Year 10)	
Facility Description	Planning Area	Project Cost Per MPU	Priority Value	Notes	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.
HENDERSON :														
Sunset Detention Basin, Collection System and Outfall (PTVW-0000 THRU 0102)	Pittman	\$11,588,000	92.5											
Pittman Park Detention Basin (PTWA-0050)	Pittman	\$1,219,000	90.5											
S.W. C-1 Det. Basin (Black Mtn.) (C1CH-0861 thru 0997)	C-1 Ch.	\$5,080,000	90.0											
East C-1 Detention Basin (C1IT-0492)	C-1 Ch.	\$4,834,000	90.0											
Pittman Pecos West Conveyance (PTPW- 0000)	Pittman	\$788,000	87.5											
Eastern Ave. Trib. (PTEA-0000)	Pittman	\$3,653,000	84.0											
Railroad East Det. Basin and Conveyance (PTRE-0000 thru 0070)	Pittman	\$9,623,000	84.0											
Pittman Eastern Det. Basin (PTEA-0439)	Pittman	\$11,385,000	83.0			5.680		4.000						
South Pittman Det. Basin and Conveyance (PTPW-0289 thru 0309)	Pittman	\$8,227,000	83.0			2.000								
C-1 Channel - (Burkholder to UPRR) (C1CH-0412 thru 0578)	C-1 Ch.	\$5,137,000	81.5		0.750			4.240						
Pittman Wash - Beltway (PTBL-0000)	Pittman	\$418,000	81.0											
Boulder Highway Channel (C1BH-0000)	C-1 Ch.	\$2,359,000	78.5				0.360			2.010				
N.E. C-1 Det. Basin and Levee (C1IT-0199 thru 0246)	C-1 Ch.	\$7,434,000	78.0						1.310			7.440		
N.E. C-1 Det. Basin Outfall (C1IT-0000 thru 0127)	C-1 Ch.	\$4,532,000	77.5						0.680	3.870				
C-1 Channel - Upper Reach (C1CH-0579 thru 0635)	C-1 Ch.	\$1,429,000	77.0									0.220		1.270
Drake Channel (C1DC-0000 thru 0123)	C-1 Ch.	\$1,120,000	73.0									0.170		0.950
Equestrian Det. Basin Outfall (C1EQ-0000 thru 0180)	C-1 Ch.	\$4,771,000	66.0									0.700		4.1
Totals per Fiscal Year ( x \$1,000,000)						8.430		8.600		7.870		8.530		6.320
Henderson 10-Year Total :														

# EXHIBIT C

## 10-YEAR CONSTRUCTION PROGRAM

July 10, 1997

					FY 97/98 (Year 1)		FY 98/99 (Year 2)		FY 99/00 (Year 3)		FY 00/01 (Year 4)		FY 01/02 (Year 5)	
Facility Description	Planning Area	Project Cost Per MPU	Priority Value	Notes	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.
<b>LAS VEGAS (Central Las Vegas Valley) :</b>														
Freeway Conveyance South LV Cr. to Charleston (FW15 0000 thru 0038)	Central	\$12,184,000	116.5		0.500									6.000
Gowan North - Buffalo & Teneya Branches & Upper Gowan Outfall (GOBU, GOTE, GOOF-0775)	Gowan	\$5,360,000	106.5		0.100						2.366			
Gowan North - Durango Branch (GODU)	Gowan	\$981,000	106.5					0.500						
Washington Ave. System - I15 to Martin Luther King (LV15-0229 thru 0339)	Central	\$754,000	105.5			1.000								
Gowan Outfall Lone Mtn. Branch (GOLO-0000 thru 0076)	Gowan	\$3,900,000	104.0		0.150					1.000				
Gowan North - El Capitan Branch (GOEC-0000 thru 0176)	Gowan	\$4,177,000	103.5											
Las Vegas Wash - Rancho (LVRA-0000 thru 0091)	Central	\$2,655,000	103.0											
Lone Mtn. System - Outfall to Durango M - 0000 thru 0101	Gowan	\$1,767,000	101.0											
Ray Channel Bypass Facility (FWUP 0000 thru 0059)	Central	\$2,680,000	100.5											
Freeway Channel South - Charleston to Sahara (FW15 0089 thru 0150)	Central	\$7,989,000	99.5											
Owens Avenue System (LVOW 0000 thru 0146)	Central	\$6,126,000	99.5	Funded with RTC						0.200				
Gowan N. Channel - N. Det. Basin to Lone Mtn. (GONO - 0009 thru 0205)	Gowan	\$12,111,000	99.5		Basin to Buffalo	2.125			Buffalo to Durango	3.762				
Upper Washington Ave. Channel & (WAPR - 0000)	Central	\$3,495,000	99.0					3.495						
Oakey Drain - I15 to Valley View (FWOK 0000 thru 0191)	Central	\$8,594,000	98.0											
Colorado Avenue System - LV Wash to I-515 (LVCO-0000 thru 0166)	Central	\$1,493,000	97.5								0.500			
Gowan North Channel - Lone Mtn. To CAM-10 (GONO-0234 thru 0566)	Gowan	\$1,198,000	97.0											
Gowan South Det. Basin Expansion (GOSO-0051)	Gowan	\$1,675,000	90.5											
Totals per Fiscal Year ( x \$1,000,000)						3.875		3.995		4.962		2.866		6.000
Las Vegas 10-Year Total : 64,793,000														

# EXHIBIT C

## 10-YEAR CONSTRUCTION PROGRAM

July 10, 1997

					FY 02/03 (Year 6)	FY 03/04 (Year 7)		FY04/05 (Year 8)		FY05/06 (Year 9)		FY06/07 (Year 10)		
Facility Description	Planning Area	Project Cost Per MPU	Priority Value	Notes	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.
LAS VEGAS (Central Las Vegas Valley) :														
Freeway Conveyance South LV Cr. to Charleston (FW15 0000 thru 0038)	Central	\$12,184,000	116.5											
Gowan North - Buffalo & Teneya Branches & Upper Gowan Outfall (GOBU, GOTE, GOOF-0775)	Gowan	\$5,360,000	106.5											
Gowan North - Durango Branch (GODU)	Gowan	\$981,000	106.5											
Washington Ave. System - I15 to Martin Luther King (LV15-0229 thru 0339)	Central	\$754,000	105.5											
Gowan Outfall Lone Mtn. Branch (GOLO-0000 thru 0076)	Gowan	\$3,900,000	104.0											
Gowan North - El Capitan Branch (GOEC-0000 thru 0176)	Gowan	\$4,177,000	103.5										0.400	3.777
Las Vegas Wash - Rancho (LVRA-0000 thru 0091)	Central	\$2,655,000	103.0		0.300		2.355							
Lone Mtn. System - Outfall to Durango (GOLM - 0000 thru 0101)	Gowan	\$1,767,000	101.0		0.180	1.587								
Freeway Channel Bypass Facility (FWUP 0000 thru 0059)	Central	\$2,680,000	100.5						0.401		2.280			
Freeway Channel South - Charleston to Sahara (FW15 0089 thru 0150)	Central	\$7,989,000	99.5		0.500		4.568							
Owens Avenue System (LVOW 0000 thru 0146)	Central	\$6,126,000	99.5	Funded w		2.963								
Gowan N. Channel - N. Det. Basin to Lone Mtn. (GONO - 0009 thru 0205)	Gowan	\$12,111,000	99.5				0.400		3.816					
Upper Washington Ave. Channel & (WAPR - 0000)	Central	\$3,495,000	99.0											
Oakey Drain - I15 to Valley View (FWOK 0000 thru 0191)	Central	\$8,594,000	98.0								0.500	4.018	0.500	3.575
Colorado Avenue System - LV Wash to I-515 (LVCO-0000 thru 0166)	Central	\$1,493,000	97.5		0.900		2.000		2.000		2.000		2.000	
Gowan North Channel - Lone Mtn. To CAM-10 (GONO-0234 thru 0566)	Gowan	\$1,198,000	97.0										0.400	
Gowan South Det. Basin Expansion (GOSO-0051)	Gowan	\$1,675,000	90.5				0.150	1.525						
Totals per Fiscal Year ( x \$1,000,000)					6.430		10.998		6.217		8.798		10.652	
Las Vegas 10-Year Total : 64,793,000														

# EXHIBIT C

## 10-YEAR CONSTRUCTION PROGRAM

July 10, 1997

					FY 97/98 (Year 1)		FY 98/99 (Year 2)		FY 99/00 (Year 3)		FY 00/01 (Year 4)		FY 01/02 (Year 5)	
Facility Description	Planning Area	Project Cost Per MPU	Priority Value	Notes	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.
<b>NORTH LAS VEGAS (Northern Las Vegas Valley) :</b>														
Vandenberg Det. Basin (RWWE-0170)	Range	\$5,194,000	105.5		0.500		4.690							
W. Trib. (Camino Al Norte to Ann) (LVMD-1954 thru 2172)	N. LV Wash	\$9,890,000	100.5		1.200	1.000			0.150	2.000	0.150	2.500		
W. Trib. (Ann to Centennial) (Kyle Outfall)(LVMD-2206 thru 2322)	N. LV Wash	\$6,407,000	99.5		1.000								0.200	4.660
Clayton Street Channel (LV03-0000 thru 0120)	N. LV Wash	\$5,000,000	98.0		0.200		1.000							
Main Branch (Lake Mead to "N" Channel)(LVMD-1421 thru 1534)	N. LV Wash	\$5,731,000	97.5			5.200								
West Range Channel (Las Vegas Structure)(RWSL-0576 thru 0694)	Range	\$3,690,000	95.5				0.350	1.670		1.670				
Main Branch ("N" Channel to Alexander)(LVMD-1535 thru 1680)	N. LV Wash	\$6,601,000	95.0		0.400		0.380			3.350		2.470		
Road System (Rancho to ANWE-0000 thru 0361)	N. LV Wash	\$9,829,000	94.0	50/50 w/RTC					0.460			2.610	0.493	
Channel - Craig Confluence (LV06-0000 thru 0138)	N. LV Wash	\$4,247,000	91.5						0.400					2.000
Owens Det. Basin & Outfall (SLWA-0000 thru 0153)	Range	\$3,922,000	88.5				0.800		0.500					1.500
Upper LV Wash (Craig to Elkhorn) (LVUP-0000 thru 0210)	N. LV Wash	\$13,116,000	85.5								0.650			
Kyle Canyon Outfall (Beltway) (LVMD-2324, CNWE-0000)	N. LV Wash	\$5,326,000	82.5	50/50 w/Beltway										
Washington System (SLWA-0158, SLOW, SLER)	Range	\$3,024,000	79.5											
W.Trib.(Vandenberg Det. Basin to LV Blvd.)(SLEB-0000 thru 0046, RWWE-0000 thru 0168)	Range	\$4,254,000	79.0											
Sloan Channel (RWSL-0000 thru 0135)	Range	\$4,565,000	69.0											
Alto and Lake Mead Conveyances RWAL, RWLM	Range	\$6,824,000	64.5											
Totals per Fiscal Year ( x \$1,000,000)						9.500		8.890		8.530		8.380		8.853
<b>North Las Vegas 10-Year Total :</b>														

# EXHIBIT C

## 10-YEAR CONSTRUCTION PROGRAM

July 10, 1997

July 10, 1997					FY 02/03 (Year 6)	FY 03/04 (Year 7)	FY04/05 (Year 8)	FY05/06 (Year 9)	FY06/07 (Year 10)					
Facility Description	Planning Area	Project Cost Per MPU	Priority Value	Notes	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.
NORTH LAS VEGAS (Northern Las Vegas Valley) :														
Vandenberg Det. Basin (RWWE-0170)	Range	\$5,194,000	105.5											
W. Trib. (Camino Al Norte to Ann) (LVMD-1954 thru 2172)	N. LV Wash	\$9,890,000	100.5				0.500		2.464					
W. Trib. (Ann to Centennial) (Kyle Outfall)(LVMD-2206 thru 2322)	N. LV Wash	\$6,407,000	99.5											
Clayton Street Channel (LV03-0000 thru 0120)	N. LV Wash	\$5,000,000	98.0		0.456		2.586							
Main Branch (Lake Mead to "N" Channel)(LVMD-1421 thru 1534)	N. LV Wash	\$5,731,000	97.5											
West Range Channel (Las Vegas Structure)(RWVSL-0576 thru 0694)	Range	\$3,690,000	95.5											
Main Branch ("N" Channel to Alexander)(LVMD-1535 thru 1680)	N. LV Wash	\$6,601,000	95.0											
Ann Road System (Rancho to Allen)(ANWE-0000 thru 0361)	N. LV Wash	\$9,829,000	94.0	50/50 w/RTC		2.792								
"A" Channel - Craig Confluence (LV06-0000 thru 0138)	N. LV Wash	\$4,247,000	91.5						0.150	1.650				
Owens Det. Basin & Outfall (SLWA-0000 thru 0153)	Range	\$3,922,000	88.5			3.420								
Upper LV Wash (Craig to Elkhorn) (LVUP-0000 thru 0210)	N. LV Wash	\$13,116,000	85.5			2.568	0.200	2.090	0.400	2.000	0.300	3.000	0.250	2.604
Kyle Canyon Outfall (Beltway) (LVMD-2324, CNWE-0000)	N. LV Wash	\$5,326,000	82.5	50/50 w/Beltwa	0.510		4.400							
Washington System (SLWA-0158, SLOW, SLER)	Range	\$3,024,000	79.5				0.400		2.620					
W.Trib.(Vandenberg Det. Basin to LV Blvd.)(SLEB-0000 thru 0046, RWWE-0000 thru 0168)	Range	\$4,254,000	79.0						0.500		3.750			
Sloan Channel (RWVSL-0000 thru 0135)	Range	\$4,565,000	69.0								0.350		4.220	
Alto and Lake Mead Conveyances RWAL, RWLM	Range	\$6,824,000	64.5								1.000		5.000	
Totals per Fiscal Year ( x \$1,000,000)						9.746		10.176		8.134		10.050		12.074
North Las Vegas 10-Year Total : \$94,333,000														

# EXHIBIT C

## 10-YEAR CONSTRUCTION PROGRAM

10, 1997

10, 1997					FY 97/98 (Year1)		FY 98/99 (Year 2)		FY 99/00 (Year 3)		FY 00/01 (Year 4)		FY 01/02 (Year 5)		
Facility Description	Planning Area	Project Cost Per MPU	Priority Value	Notes	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.	
CLARK COUNTY (Southwest Las Vegas Valley) :															
Corps of Engineer's Tropicana/ Flamingo Project	Flam./Trop.	\$26,398,000				3.328		3.773		2.819		2.506		2.463	
Lower Duck Creek Detention Basin (DCWA-1216)	Duck Cr./ Bl. Diamond	\$11,871,000	119.5		0.650					5.000		6.220			
Buffalo, Spring Mt Drain, Lakes DB & Desert Inn Drain FLBF,FLSM,FLDI	Flam./Trop.	\$12,348,000	105.0		0.300		2.268		4.908		2.474		2.400		
Lateral Drain & D.I. Det Basin (FLLA-0308 thru 0369)	Flam./Trop.	\$2,496,000	99.5		0.250		1.250		1.000						
Flamingo Wash, Swenson to Lower Flam. Det. Basin (FLWA 0648-1049)	Flam./Trop.	\$4,442,000	98.5										1.315		
Durango Collector FLDR	Flam./Trop.	\$5,182,000	96.5		0.388							3.779	1.013		
Tropicana Wash, Flamingo Wash to Koval (TRWA-0000 thru 0152)	Flam./Trop.	\$6,705,000	95.5		2.432										
Land Acq Upper Duck, Central Duck  Lower Blue Diamond & Birdspring DB(DCWA-1658,2261 & 2668,DCBD-0282)	Duck Cr./ Bl. Diamond	\$2,045,000	95.0		0.200				1.189		0.651				
Flamingo Wash (McLeod to Maryland Pkwy (FLWA-0400 thru 0593)	Flam./Trop.	\$4,858,000	95.0												
Duck Creek (Boulder Hwy to Stephanie) (DCWA 0251-0340)	Duck Cr./ Bl. Diamond	\$5,057,000	88.0		0.400								2.260		
Las Vegas Wash - Branch 01 (LV01 0000-0118)	Flam./Trop.	\$4,503,000	87.5												
Las Vegas Wash - Branch 01 0150-0151)	Flam./Trop.	\$5,436,000	87.5												
igo Wash, Lamb Blvd to Boulder Hwy(FLWA-0175 THRU 0228)	Flam./Trop.	\$3,135,000	86.5												
Flamingo Wash, Las Vegas Wash to Lamb Blvd(FLWA-0000 THRU 0174)	Flam./Trop.	\$3,734,000	86.5												
Flamingo Wash, Boulder Hwy to McLeod (FLWA 0255-0376)	Flam./Trop.	\$5,050,000	86.5												
Duck Creek, Stephanie to GV Pkwy (DCWA-0390 thru 0520)	Duck Cr./ Bl. Diamond	\$4,225,000	83.0										0.360		
Duck Creek, GV Pkwy to Sunset (DCWA-0597)	Duck Cr./ Bl. Diamond	\$4,698,000	83.0												
Duck Creek Channel (Sunset to Eastern) (DCWA-0647 thru 0883)	Duck Cr./ Bl. Diamond	\$8,119,000	83.0	Newport Village									0.100		
Las Vegas Wash - Branch 02 (Monson Chnl) (LV02)	Flam./Trop.	\$8,350,000	76.5												
Duck Creek, Det. Basin to Iv Blvd. (DCWA 1241-1358)	Duck Cr./ Bl. Diamond	\$3,984,000	71.5												
Duck Creek, LV Blvd to Central Duck Creek DB (DCWA 1362-1594)	Duck Cr./ Bl. Diamond	\$6,642,000	71.5												
CLARK COUNTY (Outlying Areas) :															
Hiko Springs Det. Basin Outfall	Laughlin	\$8,500,000	*			6.250		2.250							
Bunkerville	Bunkerville	\$6,400,000	*			2.400		4.000							
Goodsprings - Phase 1 Improvements	Goodsprings	\$500,000	*			0.500									
Muddy River	Moapa Valley	\$22,036,000	*			1.300		0.352		0.472		0.457		4.600	
Indian Springs	Indian Springs	\$595,000	*								0.100		0.495		
Overton Wash/ Railroad Channel	Moapa Valley	\$1,500,000	*											1.500	
Searchlight - Eastern Portion Improvements	Searchlight	\$702,000	*												
Totals per Fiscal Year ( x \$1,000,000)						18.398		13.893		15.388		16.187		16.506	
Clark County (Valley & Outlying) 10-Year Total :						\$164,403,000									

# EXHIBIT C

## 10-YEAR CONSTRUCTION PROGRAM

July 10, 1997

July 10, 1997					FY 02/03 (Year 6)		FY 03/04 (Year 7)		FY04/05 (Year 8)		FY05/06 (Year 9)		FY06/07 (Year 10)	
Facility Description	Planning Area	Project Cost Per MPU	Priority Value	Notes	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.
CLARK COUNTY (Southwest Las Vegas Valley) :														
Corps of Engineer's Tropicana/ Flamingo Project	Flam./Trop.	\$26,398,000				3.582		3.657		3.220		1.050		
Lower Duck Creek Detention Basin (DCWA-1216)	Duck Cr./ Bl. Diamond	\$11,871,000	119.5											
Buffalo, Spring Mt Drain, Lakes DB & Desert Inn Drain FLBF,FLSM,FLDI	Flam./Trop.	\$12,348,000	105.0											
Lateral Drain & D.I. Det Basin (FLLA-0308 thru 0369)	Flam./Trop.	\$2,496,000	99.5											
Flamingo Wash, Swenson to Lower Flam. Det. Basin (FLWA 0648-1049)	Flam./Trop.	\$4,442,000	98.5			3.125								
Durango Collector	Flam./Trop.	\$5,182,000												
FLDR			96.5											
Tropicana Wash, Flamingo Wash to Koval (TRWA-0000 thru 0152)	Flam./Trop.	\$6,705,000	95.5			2.524		1.754						
Land Acq Upper Duck, Central Duck	Duck Cr./	\$2,045,000												
Lower Blue Diamond & Birdspring DB(DCWA- 1658,2261 & 2668,DCBD-0282)	Bl. Diamond		95.0											
Flamingo Wash (McLeod to Maryland Pkwy (FLWA-0400 thru 0593)	Flam./Trop.	\$4,858,000	95.0					2.592		2.268				
Duck Creek (Boulder Hwy to Stephanie) (DCWA 0251-0340)	Duck Cr./ Bl. Diamond	\$5,057,000	88.0			2.400								
Las Vegas Wash - Branch 01 (LV01 0000-0118)	Flam./Trop.	\$4,503,000	87.5							2.527		1.973		
Las Vegas Wash - Branch 01 (LV01 0150-0151)	Flam./Trop.	\$5,436,000	87.5				0.700					2.340		
Flamingo Wash, Lamb Blvd to Boulder Hwy(FLWA-0175 THRU 0228)	Flam./Trop.	\$3,135,000	86.5				0.320					2.820		
Flamingo Wash, Las Vegas Wash to Lamb Blvd(FLWA-0000 THRU 0174)	Flam./Trop.	\$3,734,000	86.5							0.350		3.380		
Flamingo Wash, Boulder Hwy to McLeod (FLWA 0255-0376)	Flam./Trop.	\$5,050,000	86.5									1.100		3.950
Duck Creek, Stephanie to GV Pkwy (DCWA-0390 thru 0520)	Duck Cr./ Bl. Diamond	\$4,225,000	83.0			1.660		2.200						
Duck Creek, GV Pkwy to Sunset (DCWA-0597)	Duck Cr./ Bl. Diamond	\$4,698,000	83.0			0.400		3.304		1.000				
Duck Creek Channel (Sunset to Eastern) (DCWA-0647 thru 0883)	Duck Cr./ Bl. Diamond	\$8,119,000	83.0	Newport Village		0.560				0.700		3.277		3.170
Las Vegas Wash - Branch 02 (Monson Chnl) (LV02)	Flam./Trop.	\$8,350,000	76.5											2.111
Duck Creek, Det. Basin to Iv Blvd. (DCWA 1241-1358)	Duck Cr./ Bl. Diamond	\$3,984,000	71.5											1.400
Duck Creek, LV Blvd to Central Duck Creek DB (DCWA 1362-1594)	Duck Cr./ Bl. Diamond	\$6,642,000	71.5											0.660
CLARK COUNTY (Outlying Areas) :														
Hiko Springs Det. Basin Outfall	Laughlin	\$8,500,000	*											
Bunkerville	Bunkerville	\$6,400,000	*											
Goodsprings - Phase 1 Improvements	Goodsprings	\$500,000	*											
Muddy River	Moapa Valley	\$22,036,000	*				1.702	2.352		3.688		2.018		5.095
Indian Springs	Indian Springs	\$595,000	*											
Overton Wash/ Railroad Channel	Moapa Valley	\$1,500,000	*											
Searchlight - Eastern Portion Improvements	Searchlight	\$702,000	*				0.702							
Totals per Fiscal Year ( x \$1,000,000)						16.655		16.879		13.753		17.958		18
Clark County (Valley & Outlying) 10-Year Total :						\$164,403,000								

# EXHIBIT C

## 10-YEAR CONSTRUCTION PROGRAM

July 10, 1997

					FY 97/98 (Year1)		FY 98/99 (Year 2)		FY 99/00 (Year 3)		FY 00/01 (Year 4)		FY 01/02 (Year 5)	
Facility Description	Planning Area	Project Cost Per MPU	Priority Value	Notes	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.
<b>CITY OF MESQUITE</b>														
Phase II Bank Protection I15 to Virgin River	Town Wash	\$2,660,000	*											
Earthen Channel I15 to Virgin River	Abbott Wash	\$2,100,000	*											
I15 to Virgin River	ulsipher Was	\$1,200,000	*											
Totals per Fiscal Year ( x \$1,000,000)						0.000		0.000		0.000		0.000		0.000
City of Mesquite 10-Year Total :														
<b>BOULDER CITY</b>														
Channel & Box Culverts	West Airport	\$2,700,000	*		0.100	1.540								
Channels, Culverts & Drains	North Railroad	\$1,755,000	*											
Place Culverts	Georgia/Buchanan	\$600,000	*											
Totals per Fiscal Year ( x \$1,000,000)						1.640		0.000		0.000		0.000		0.000
Boulder City 10-Year Total :														
Annual Program Total ( x \$1,000,000)						42.513		33.728		36.370		35.463		38.069
Annual Projected Revenue (x \$1,000,000)					(a)	43.137		32.988		35.026		37.167		39.409
Annual Programmed is Over/(Under) Projected Revenue (x\$1,000,000)						(0.624)		0.740		1.344		(1.704)		(1.340)
Cumulative Program Total ( x \$1,000,000)						42.513		76.241		112.611		148.074		186.143
Cumulative Projected Revenue (x \$1,000,000)					(a)	43.137		76.124		111.150		148.317		187.725
Cumulative Programmed is Over/(Under) Projected Revenue (x\$1,000,000)						(0.624)		0.117		1.461		(0.243)		(1.582)
10-Year Total 96/97 thru06/07:														
10-Year Projected Revenue:														

(a) Includes \$10.0M remaining from previous year and \$3.5M from Bond Fund.

# EXHIBIT C

## 10-YEAR CONSTRUCTION PROGRAM

July 10, 1997

July 10, 1997

					FY 02/03 (Year 6)	FY 03/04 (Year 7)	FY04/05 (Year 8)	FY05/06 (Year 9)	FY06/07 (Year 10)					
Facility Description	Planning Area	Project Cost Per MPU	Priority Value	Notes	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.
CITY OF MESQUITE														
Phase II Bank Protection I15 to Virgin River	Town Wash	\$2,660,000	*						0.399	2.261				
Earthen Channel I15 to Virgin River	Abbott Wash	\$2,100,000	*						0.315	1.785				
I15 to Virgin River	ulsipher Was	\$1,200,000	*						0.180	1.020				
Totals per Fiscal Year ( x \$1,000,000)						0.000		0.000		5.960		0.000		0.000
City of Mesquite 10-Year Total :					\$5,960,000									
BOULDER CITY														
Channel & Box Culverts	West Airport	\$2,700,000	*						1.100					
Basin, Channels, Culverts & Drains	North Railroad	\$1,755,000	*						1.755					
Replace Culverts	Georgia/ Buchanan	\$600,000	*						0.600					
Totals per Fiscal Year ( x \$1,000,000)						0.000		0.000		3.455		0.000		0.000
Boulder City 10-Year Total :					\$5,095,000									
Annual Program Total ( x \$1,000,000)					41.261					46.653				
Annual Projected Revenue (x \$1,000,000)					41.767					44.239				
Annual Programmed is Over/(Under) Projected Revenue (x\$1,000,000)					(0.506)					2.414				
Cumulative Program Total ( x \$1,000,000)					227.404					274.057				
Cumulative Projected Revenue (x \$1,000,000)					229.492					273.731				
Cumulative Programmed is Over/(Under) Projected Revenue (x\$1,000,000)					(2.088)					0.326				
10-Year Total 96/97 thru06/07:					\$412,614,000									
10-Year Projected Revenue:					\$422,557,396									

(a) Includes \$10.0M remaining from previous year and \$3.5M from Bond Fund.

## EXHIBIT D

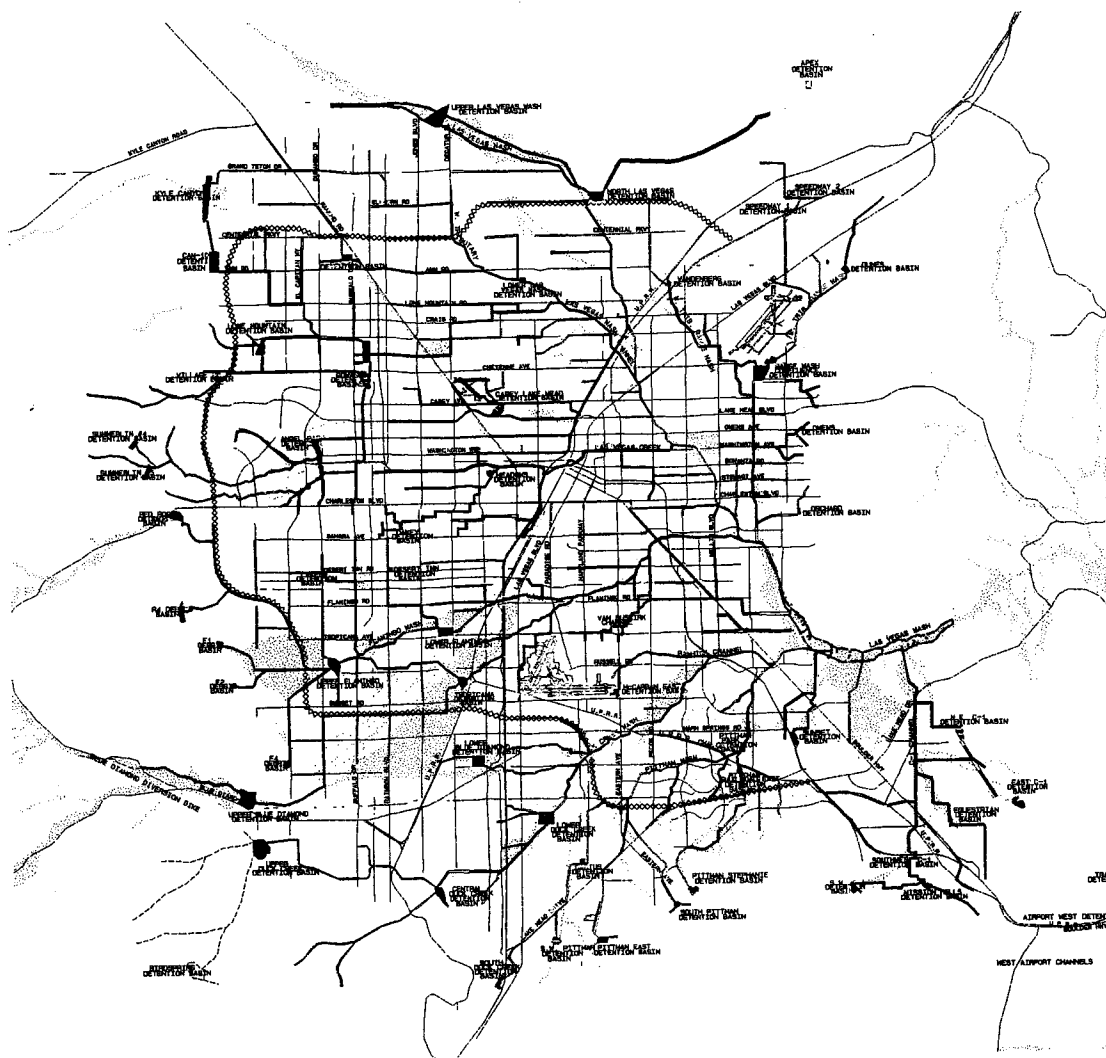
# FUNDING SUMMARY

## Exhibit D

Planning Area/Entity	Programming Percentage	Current Funding		Funding Proposed on 10-Year Program	Estimated Total Through FY 06/07	Percent of Total	Percent of Total Over (Under) Programmed Amount
		Funding*	Percent of Funding				
Henderson : (Pittman/ C-1)	16.7%	\$36,108,039	12.5%	\$78,030,000	\$114,138,039	16.3%	(0.4%) (\$2,840,558)
Las Vegas: (Central/ Gowan)	24.0%	\$102,716,943	35.7%	\$64,793,000	\$167,509,943	23.9%	(0.1%) (\$497,862)
Clark County: (Tropicana-Flamingo/ Duck Cr.- Bl.Diamond/ Outlying)	35.3%	\$77,147,005	26.8%	\$164,403,000 (a)	\$241,550,005	34.5%	(0.8%) (\$5,724,776)
North Las Vegas: (Northern LV Wash/ Range/Lower LV Wash)	22.1%	\$61,117,489	21.2%	\$94,333,000	\$155,450,489	22.2%	0.1% \$548,134
Boulder City :	1.0%	\$6,591,310	2.3%	\$5,095,000	\$11,686,310	1.7%	0.7% \$4,711,721
Mesquite :	0.9%	\$4,362,146	1.5%	\$5,960,000	\$10,322,146	1.5%	0.5% \$3,803,342
<b>TOTAL</b>	<b>100.0%</b>	<b>\$288,042,931</b>	<b>100.0%</b>	<b>\$412,614,000</b>	<b>\$700,656,931</b>	<b>100.0%</b>	

(a) Includes \$26,398,000 for COE  
Trop/Flamingo Project 97/98thru  
05/06

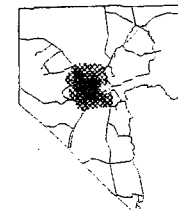
\* Includes Project Close Outs and Present Interlocal Contracts as of July 10, 1997



CONVEYANCE	BASIN
 COMPLETED UNDER CONST	
 TEN YEAR (FIRST FIVE YRS)	
 TEN YEAR (SECOND FIVE YRS)	
 PROPOSED	
100-YR FLOOD ZONES	

NOTE:  
10-Year Facilities may include  
Pre-design Studies or R-O-W  
Acquisition.

CLARK COUNTY, NEVADA



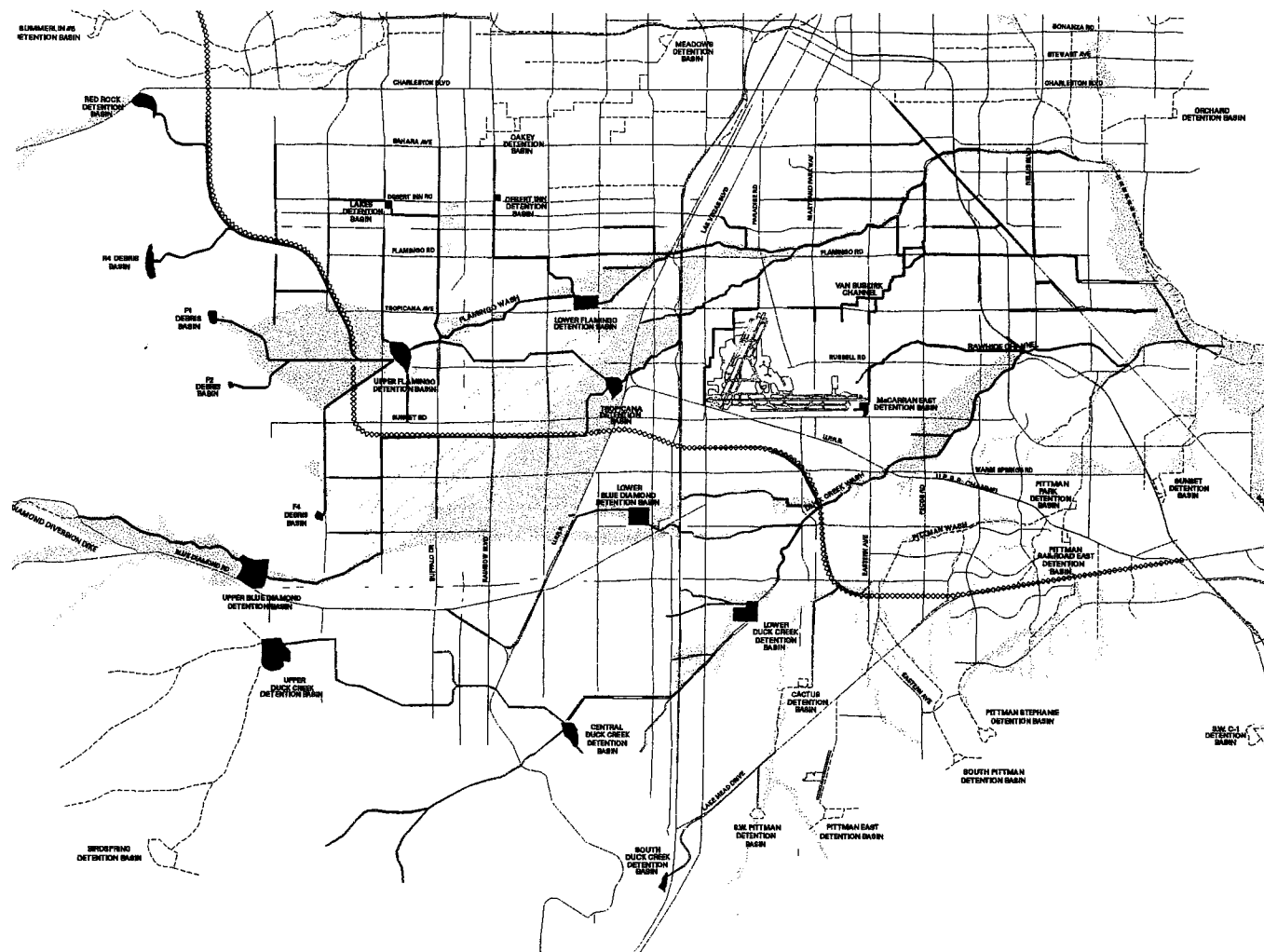
PLANNING AREA LOCATION KEY

VALCOL11X

1: 19550

July 1997

THIS MAP IS FOR GRAPHIC USE ONLY  
AND DOES NOT REPRESENT A SURVEY.  
NO LIABILITY IS ASSUMED FOR THE  
ACCURACY OF THE DATA DELINEATED  
HEREON.

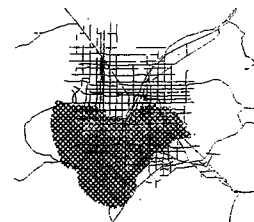


CONVEYANCE		BASIN
	COMPLETED UNDER CONST	
	TEN YEAR (FIRST FIVE YRS)	
	TEN YEAR (SECOND FIVE YRS)	
	PROPOSED	
	100-YR FLOOD ZONES	

NOTE:  
10-Year Facilities may include  
Pre-design Studies or A-D-W  
Accession.

NOTE: DASHED FACILITIES ARE  
OUTSIDE OF THE PLANNING AREA

LAS VEGAS METRO AREA



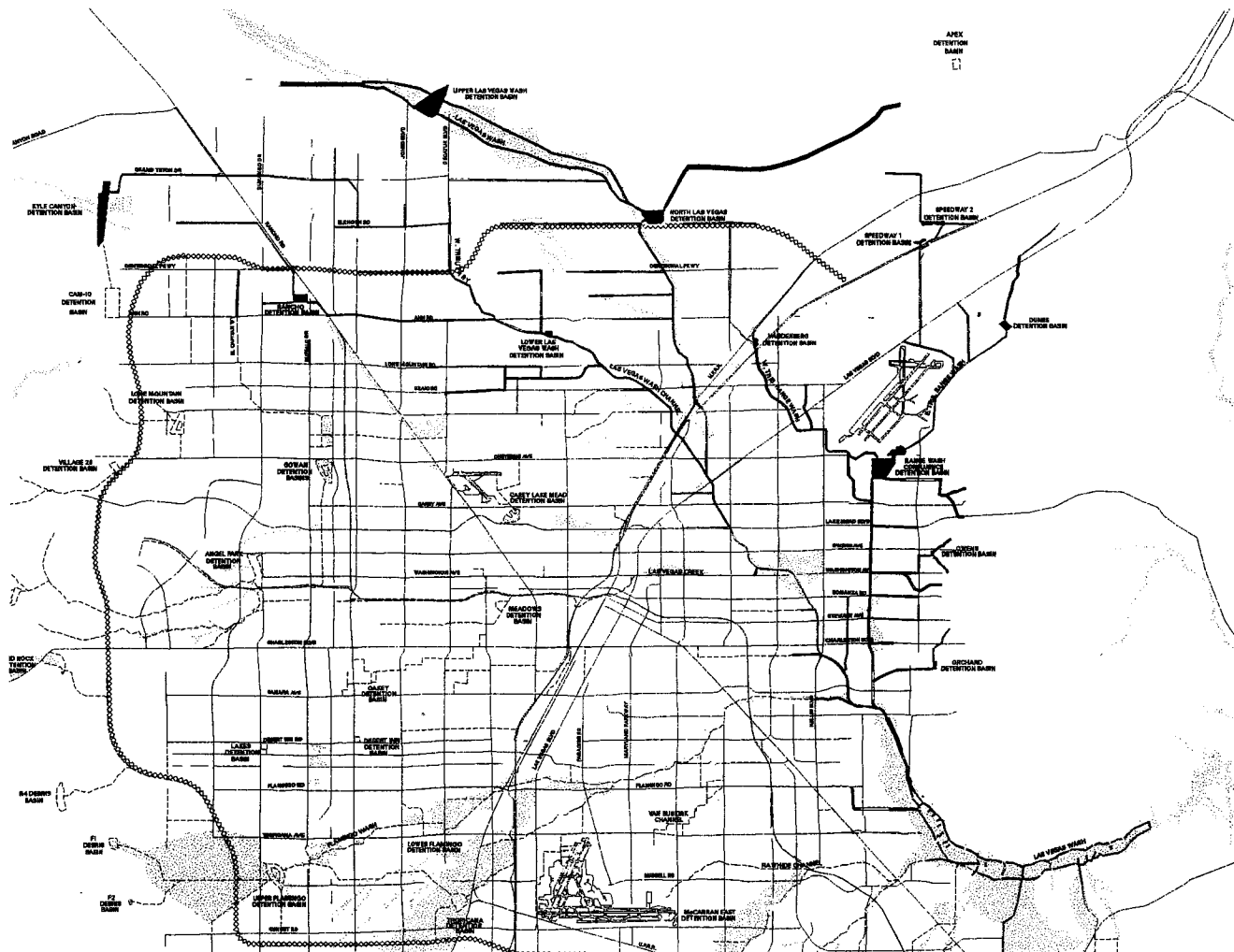
PLANNING AREA LOCATION KEY

DBFTCOL11X

1: 11044

July 1997

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NO LIABILITY IS ASSUMED FOR THE  
ACCURACY OF THE DATA DELINEATED  
HEREON.



CONVEYANCE		BASIN
	COMPLETED UNDER CONST	
	TEN YEAR (FIRST FIVE YRS)	
	TEN YEAR (SECOND FIVE YRS)	
	PROPOSED	
	100-YR FLOOD ZONES	

NOTE:  
 10-Year Facilities may include  
 pre-design studies or N-O-R  
 acquisition.

NOTE: DASHED FACILITIES ARE  
OUTSIDE OF THE PLANNING AREA

PLANNING AREA LOCATION KEY

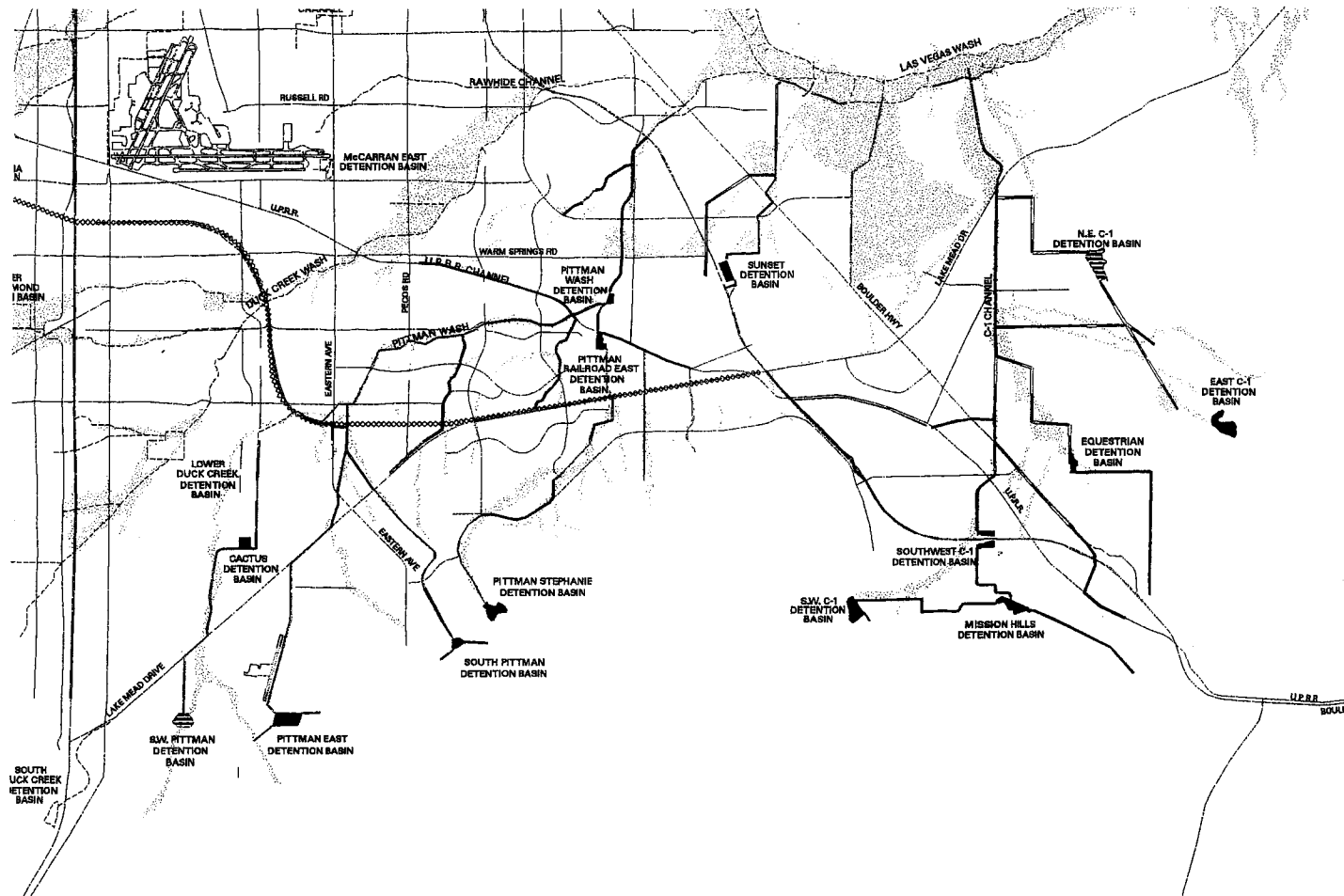
NRLCOL11X

1: 12957

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ACCURACY OF THE DATA DELINEATED  
HEREON.

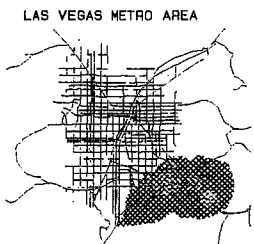
# PITTMAN WASH AND C-1 CHANNEL PLANNING AREAS TEN-YEAR CONSTRUCTION PROGRAM



LEGEND	
CONVEYANCE	BASIN
COMPLETED UNDER CONST	BASIN
TEN YEAR (FIRST FIVE YRS)	BASIN
TEN YEAR (SECOND FIVE YRS)	BASIN
PROPOSED	100-YR FLOOD ZONES

NOTE: 10-Year Facilities may include At-Design Studies or R-2-0 Acquisition

NOTE: DASHED FACILITIES ARE OUTSIDE OF THE PLANNING AREA



PLANNING AREA LOCATION KEY

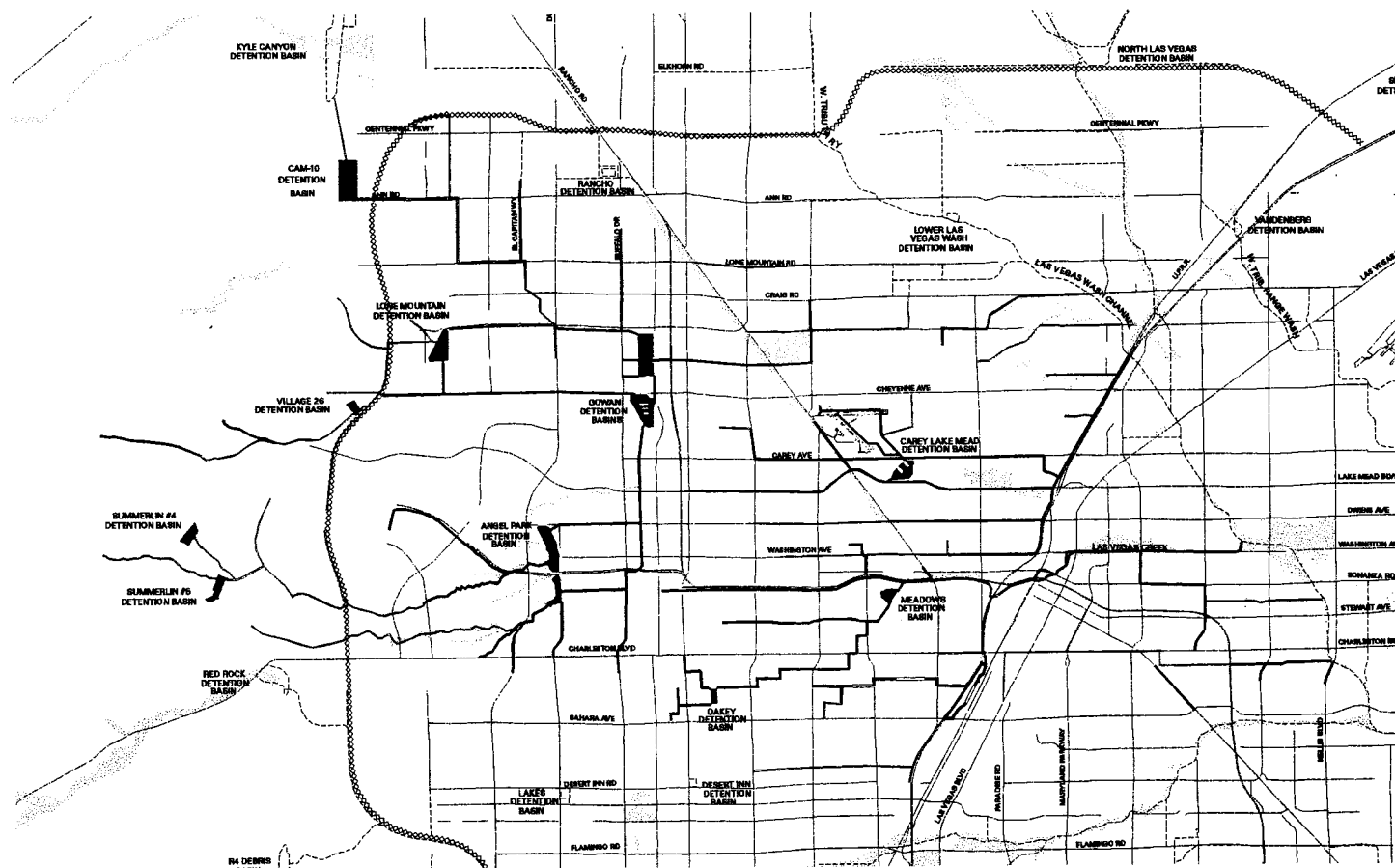
CPCOL11X

1: 8183

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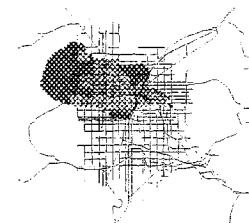


CONVEYANCE	BASIN
 COMPLETED UNDER CONST	
 TEN YEAR (FIRST FIVE YRS)	
 TEN YEAR (SECOND FIVE YRS)	
 PROPOSED	
100-YR FLOOD ZONES	
	

NOTE:  
20-Year Facilities may include  
Pre-Design Studies or R-O-W  
Acquisition

NOTE: DASHED FACILITIES ARE  
OUTSIDE OF THE PLANNING AREA

LAS VEGAS METRO AREA



PLANNING AREA LOCATION KEY

GCCOL11X

1: 9680

June 1997

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