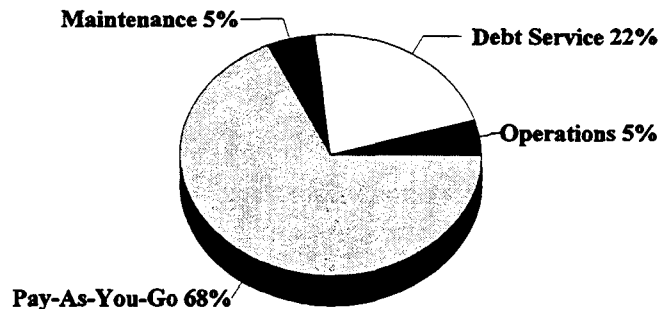


## BACKGROUND

The District staff maintains a listing of projects proposed for funding in the next ten year period. The 10-Year Program is updated annually and is approved by the Board after review by the Technical and Citizens Advisory Committees. In addition to the 10-Year Program, the District's Chief Engineer with assistance, cooperation and approval of the Technical Advisory Committee, prepares a list of projects proposed for funding during the upcoming fiscal year and a list of projects to be funded by any bond issue. The fiscal year project list and any bond project list, after approval by the Board, constitute the Capital Improvement Program for the District in the ensuing fiscal year. The fiscal year project list and the updated 10-Year Construction Program was presented to the Board for approval on June 11, 1998 for fiscal year 1998/99. Board approval of the 10-Year Program and the fiscal year project list do not authorize funding of any project and does not commit the District to expend any funds.

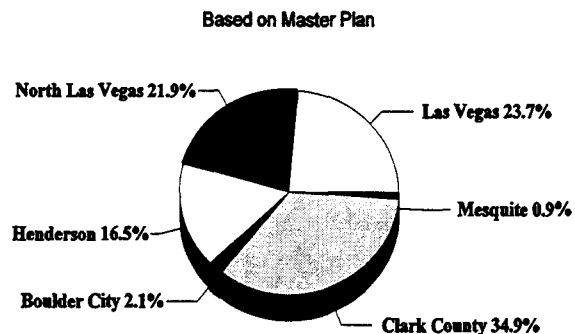
### Typical Annual Expenditures



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 \$459,899,781, based upon a 5% increase from Fiscal Year (FY) 97/98, 5% annual growth from FY 99/00 through FY 02/03 and 4% 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.

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 most recent of which is the Master Plan Update of the City of Boulder City, adopted as an amendment by the Board on May 14, 1998. The costs of funded projects were derived from the financial reports at the date of adoption of each Master Plan Update. Exhibit A, included in the backup, shows the costs of 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 Plans. This ensures equal implementation of flood control infrastructure within each hydrographic area over time.

### Prorated Share of Funding



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 \$314,000,000 (see Exhibit D). The \$314,000,000 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. 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. 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:

### **Project Prioritization**

- 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 flood plain 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.

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 \$465,926,000 is presented as Exhibit C. The estimated cost of facilities presented in the Master Plans for all of Clark County is \$1,332,210,635. Therefore, this 10-Year Construction Program constitutes 35% or roughly one third of total Master Plan facility costs. The location of 10-Year Construction Program projects are shown on the attached maps. 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 Santiago 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**
- **Mission Hills West Interceptor**  
From Pacific Avenue to the Mission Hills detention Basin
- **Pittman Park Detention Basin**  
A joint use facility (Under Construction)
- **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 \$37,360,000.

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

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

**PTVW - 0000 thru 0018** - This facility was the subject of a Master Plan Change approved by the Board on March 12, 1998. This flood control facility is now generally located Just downstream of the Union Pacific Railroad, BMI spur at U.S. 515. Design is expected in FY 98/99 with right-of-way acquisition occurring in FY 99/00 and construction occurring in FY 00/01 through FY 02/03. The amount programmed for this flood control facility is \$19.0 million.

**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 and construction is programmed 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 \$5.4 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 99/00 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 and construction are programmed in FY 00/01. The 10-Year program includes approximately \$0.8 million for this project.

**Pittman Eastern Detention Basin (PV=85.5)**

**PTEA - 0439** - This detention basin is located immediately upstream of the Henderson Executive Air Terminal. Design is programmed in FY01/02 with construction in FY 01/02 through FY 03/04. The 10-Year program includes approximately \$11.4 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 FY01/02 with construction following in FY 02/03. The 10-Year program includes approximately \$3.7 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 98/99 in the amount of \$1.3 million. This project appears in Year 1 due to its important relevance to the ongoing Southern Beltway 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 02/03. Construction funds are programmed in FY 03/04 through 05/06. 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 03/04 with construction occurring in the following year, FY 04/05. Funding programmed for this flood control facility totals approximately \$5.1 million.

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

**PTBL - 0000** - This channel extends from the Beltway to the Pittman Wash near Eastern Avenue. Design and construction are programmed in FY 03/04. The 10-Year program includes approximately \$0.4 million for this project.

**C-1 Channel Upper Reach (PV=81.0)**

**C1CH - 0579 thru 0635** - This reach extends from the UPRR to the NDOT Detention Basins. Design and construction are programmed in FY 03/04. The 10-Year program includes approximately \$1.5 million for this project.

**Gibson Conveyance (PV=80.5)**

**PTGB - 0057 thru 0208** - This channel parallels Gibson Road from Warm Springs to Sunset then turns northeast to Boulder Highway. Design is programmed in FY 03/04. Construction is programmed in FY 04/05 through FY 06/07. The 10-Year program includes approximately \$4.8 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 05/06 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 project is generally located at the base of the River Mountains. 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 05/06 with construction programmed in FY 06/07 through FY 07/08. The total programmed for this flood control facility is approximately \$7.4 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 05/06 with construction following in in FY 06/07 through FY 07/08. The total programmed for this flood control facility is approximately \$4.6 million.

**Drake Channel (PV=73.0)**

**C1DC - 0000 thru 0123** - This channel is tributary to the C-1 Channel along the Drake Street alignment. Design is programmed in FY 05/06 with construction following in FY 07/08. 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 and FY 07/08. The 10-Year program includes approximately \$4.7 million for this project.

**S.W. Pittman Detention Basin and Outfall (PV=48.0)**

**PTWA - 0983 thru 0990** - This detention basin is located east of the I-15/Lake Mead interchange. Design, right-of-way engineering and initial construction dollars are programmed in FY 07/08. The 10-Year program includes approximately \$3.3 million for this project.

The funding programmed for the C-1 Channel and Pittman Wash Planning Areas in Henderson total approximately \$89.9 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**  
Between Charleston Boulevard and Angel Park Detention Basin
- **Angel Park Outfall Storm drain**  
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 beneath Sandhill Road to Washington Avenue then along Washington Avenue to Sagman; Sagman to Bonanza (under construction); UPRR to Alta southeast quadrant of the Spaghetti Bowl (under construction).
- **Alta Storm drain**  
Part of the Meadows Detention Basin Collection System
- **Cheyenne Crossings**  
Developer participation project at Rampart, Soft Breezes and Soaring Gulls
- **Rampart Storm drain**  
Project in conjunction with RTC
- **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**
- **Gowan North Channel**  
Northern Gowan Detention Basin to Buffalo (under construction)



## **10-Year Construction Program**

## **CITY OF LAS VEGAS**

District funding since 1987 for the projects plus design efforts on future projects total approximately \$99,695,000.

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

### **Freeway Channel - Alta to Desert Inn (PV=116.5)**

**FW15 - 0000 thru 0301** - This System extends from Alta to Desert Inn including the Charleston Underpass. Design is programmed in FY 00/01 with construction spread throughout the 10-Year Program. The 10-Year Construction Program includes \$16.0 million for this project.

### **Upper Washington Avenue Channel (PV=115.5)**

**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 \$2.0 million for construction is programmed for FY 98/99.

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

**GOBU, GOTE, GOOF - 0775** - Construction for these storm drains tributary to the Gowan North Channel is programmed in FY 99/00 with construction in FY 00/01. The 10-Year Construction Program includes \$2.4 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 99/00 for an initial phase. Design funds for the Washington to Vegas segment are included in FY 01/02 with construction in the following year. The 10-Year Construction Program includes \$1.6 million for this project.

### **Gowan North Durango Branch (PV=105.5)**

**GODU** - Construction of this Storm drain tributary to the Gowan North Channel is programmed in FY 98/99. The 10-Year Construction Program includes \$1.0 million for this project.

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

**GOLO - 0000 thru 0076** - This storm drain is tributary to the Gowan Outfall at Clayton Street. Construction of an initial phase appears in FY 99/00. Design and construction of a subsequent phase appears in FY 07/08. The 10-Year Construction Program includes \$5.4 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 04/05 with construction in the following year. 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 01/02 with construction in FY 03/04. 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 99/00 with construction in FY 02/03. The 10-Year Construction Program includes \$2.7 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 01/02. 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 Buffalo to Durango is programmed in FY 98/99. Design from Durango to Lone Mountain is programmed in FY 02/03 with construction in the following year. Total funding programmed for this flood control facility is approximately \$8.0 million.

**Oakey Drain (PV=98.0)**

**FWOK - 0000 thru 0224** - Extending from I-15 to Valley View Drive. Design and construction is phased over FY 05/06 through FY 07/08. Total funding programmed for this flood control facility is approximately \$9.6 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 05/06. Approximately \$7.4 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 0589** - This completes the Gowan North main line. Design of an initial phase is programmed in FY 05/06 with construction in the following year. Design and construction of a subsequent phase appears in FY 07/08. The 10- Year Construction Program includes \$13.4 million for this project.

**Gowan Outfall - Craig to Channel (PV=96.5)**

**GOOF - 0198** - This is a section of storm drain beneath Simmons extending from Craig to the Gowan Outfall Channel. Design is programmed in FY 00/01 with construction in the following year. Approximately \$0.8 million is included on the 10-Year program for this project.

**Las Vegas Wash - Smoke Ranch (PV=93.0)**

**LVSR - 0552** - This is a section of storm drain beneath Peak extending from Torrey Pines to Jones. Design is programmed in FY 98/99 with construction in FY 02/03. Approximately \$0.9 million is included on the 10-Year program for this project.

**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 is programmed in FY 98/99 with construction programmed in FY 07/08. Approximately \$1.7 million is included on the 10-Year program for this project.

**CAM-10 Detention Basin (PV=87.5)**

**GONO - 0589** - This detention basin is located at the west end of Ann Road and outfalls to the Gowan North system. Design is programmed in FY 98/99 in the amount of \$200,000.

The Central Basin and Gowan Planning Areas (Las Vegas) of the 10-Year Construction Program total \$84.7 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**  
Part 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**  
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**

District funds since 1987 for the projects plus design efforts on future projects total approximately \$65,317,000.

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 located on the western tributary of the Range Wash between the UPRR and I-15. Design is underway. Construction is programmed in FY 99/00 and FY 00/01. The total amount included on the 10-Year construction program is approximately \$4.4 million.

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

**LVMD - 1954 thru 2172** - This reach extends from Camino Al Norte to Ann Road. Design is underway. The initial phase of construction is programmed in FY 98/99 and FY 99/00. Later phases are programmed in FY 02/03 through FY05/06. The total amount included on the 10-Year construction program is approximately \$12.8 million.

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

**LVMD - 2206 thru 2322** - This reach extends from Ann Road to Centennial Parkway. Design is underway. Right-of-way acquisition is programmed in FY 98/99 with construction programmed in FY 00/01 through 02/03. The total amount included on the 10-Year construction program is approximately \$8.2 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. Construction of an initial phase is programmed in FY 98/99. Design of a subsequent phase is programmed in FY 03/04 with construction in the following two years. The total amount included on the 10-Year construction program is approximately \$3.7 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. Design is programmed in FY 98/99 with construction programmed in FY 98/99 through FY 00/01. The total amount included on the 10-Year construction program is approximately \$7.2 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 01/02. Right-of-way acquisition is programmed in FY 02/03. Construction is phased over FY 02/03 and FY 03/04. The total amount included on the 10-Year construction program is approximately \$10.2 million.

**A-Channel - Craig Confluence (PV=94.5)**

**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. Design is programmed in FY 99/00 with construction in FY 00/01 and FY 01/02. The total amount programmed for this flood control facility is approximately \$4.2 million.

**Las Vegas Wash - Losee (PV=94.5)**

**LVLO** - This storm drain collects flow in Losee and conveys it beneath Craig to the Las Vegas Wash. Design is programmed in FY 00/01 with construction in FY 01/02 and FY 02/03. The total amount programmed for this flood control facility is approximately \$1.3 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. Design is programmed in FY 99/00 with construction in the following two years. The total amount included on the 10-Year construction program is approximately \$6.4 million.

**West Range Wash Channel Las Vegas Structure (PV=91.5)**

**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 03/04. Construction is phased over FY 03/04 and FY 04/05. The total amount included on the 10-Year construction program is approximately \$4.1 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 04/05 and construction is phased over FY 05/06 and FY 06/07. The total amount programmed for this flood control facility is approximately \$3.9 million.

**Upper Las Vegas Wash (PV=85.5)**

**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 phased over FY 01/02 through FY 02/03. The total amount programmed for this flood control facility is approximately \$13.2 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 through FY 05/06. An additional amount for future design and right-of-way appears in FY 07/08. The total amount programmed for this flood control facility is approximately \$6.2 million.

**Rancho Drive System (PV=81.0)**

**RCHO - 0000 thru 0097** - This channel is the U.S. 95 collection system at Centennial for the Rancho Detention Basin. Design and construction funds appear in FY 98/99 to be coordinated with the design of the U.S. 95/Beltway interchange at Centennial. The total amount programmed for this flood control facility is approximately \$0.3 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 04/05 and construction follows in FY 06/07. 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 06/07 according to the plan. The total amount programmed for this flood control facility is approximately \$4.3 million.

**Las Vegas Wash - Elkhorn (PV=74.0)**

**EKEA - 0000 thru 0142** - This channel Parallels the Northern Beltway along the Elkhorn alignment and discharges to the Las Vegas Wash near the outlet of the North Las Vegas Detention Basin. Design is programmed in FY 07/08 in the amount of \$1.2 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. Final design and right-of-way is programmed in FY 02/03. Construction will follow in FY 02/03 through FY 04/05. 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 06/07. Construction is programmed in FY 07/08. The total amount programmed for this flood control facility is approximately \$6.8 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 \$105.9 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**  
On 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**

**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 complete)**

District funding since 1987 for the projects plus design efforts of future projects total approximately \$98,436,000.



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 \$29.4 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. The Program also includes \$8.6 million for the construction of the Red Rock channel and Blue Diamond Channel to keep pace with the Southern Beltway project. These funds should be credited to the local share of the overall Tropicana/Flamingo Washes project.

**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 underway with construction spread over FY 99/00 through FY 01/02. The total programmed for this detention basin is approximately \$10.9 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 underway. Construction is phased over FY 98/99 through FY 01/02. The total included on this 10-Year Construction Program for this project is \$10.9 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 underway. Construction spread over FY 98/99 and FY 99/00. The total included on this 10-Year Construction Program for this project is \$2.3 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 02/03 and FY 03/04. 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 underway. Construction is phased over FY 00/01 and FY 01/02. The total included on this 10-Year Construction Program for this project is \$5.7 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. Design is underway. Construction funding is included in FY 98/99, FY 02/03 and FY 03/04. The total included on this 10-Year Construction Program for this project is \$6.5 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 98/99. 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 McLeod to Maryland Parkway (PV=95.0)**

**FLWA - 0400 thru 0593** - Construction for these wash improvements is programmed in FY 03/04 and FY 04/05. Approximately \$4.8 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 underway. Construction is phased over FY 02/03 and FY 03/04. Approximately \$7.0 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 06/07. 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** - Construction funds for channelization of this reach of the Flamingo Wash is included 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.

**Rawhide Channel at Sagebrush (PV=85.0)**

**DCRH - 0200** - Construction funds for increasing the capacity of this box culvert is included in FY 98/99. Approximately \$0.5 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 an initial phase of this reach of the Duck Creek are programmed in FY 01/02. Construction is programmed in FY 02/03. Design and construction of a subsequent phase appears in FY 07/08. Approximately \$6.4 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 06/07. 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 construction 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 \$6.2 million are included in FY 07/08 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 \$2.6 million are included in FY 07/08 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 \$6.0 million are included in FY 07/08 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 \$148,626,000.

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

**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 98/99 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 each of the first nine years of this 10-Year Construction Program totaling \$20.2 million

**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 98/99 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 \$23,497,000.

In all, among the Tropicana/Flamingo, Duck Creek Blue Diamond and Outlying planning Areas, Clark County has programmed \$172,123,000 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**
- **Georgia and Adams Improvements**  
Under construction

These projects total approximately \$8,521,000 in District funding.

The City of Boulder City adopted a Flood Control Master Plan Update on May 14, 1998. Refinements to their previous Master Plan along with updated cost estimates became effective at that time. 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:

**Buchanan Channel Facilities**

**GBBC - 0062 thru 0148** - \$300,000 for construction of these culvert improvements is included in FY 98/99.

**Ville Drive Facilities**

**HMVL - 0028 thru 0064** - Construction is included in FY 99/00 and FY 00/01 totaling \$1.1 million for these improvements to the collection system for the Ville Detention Basin.

**Industrial Road Facilities**

**NRIN - 0000 thru 0087** - This project includes the expansion and completion of the North railroad Detention Basin and construction of the collection levee. Construction funds appear in FY 98/99, FY 01/02 and FY 04/05 through FY 07/08 totaling \$4.4 million.

**Trailhead Facilities**

**HMTH - 0033 thru 0054** - \$25,000 appears in FY01/02 for design of this collection levee to the Trailhead Detention

**Georgia Channel Facilities**

**GBGR - 0000 thru 0099** - The 10-Year Construction Program includes construction funds in the amount of \$550,000 in FY 02/03 for the construction of the roadway crossing improvements.

**Lake Mountain Drive Facilities**

**HMLM - 0000 thru 0085** - \$50,000 is included in FY02/03 of the Program for construction of channel improvements and debris basin expansion.

**HMWA - 0004 thru 0181** - Funding for design and construction of channel modifications is programmed in FY03/04 totaling \$0.9 million.

Boulder City has programmed \$7,350,000 for flood control facilities over the next 10 years.

**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 Flood Control Facilities, no projects had been proposed on the previous 10-Year Construction Programs between FY 91/92 and FY 95/96.

The City of Mesquite included funds in the eighth year of the previously approved 10-Year Construction Program. These funds are continued forward in this 10-Year Construction Program, appearing in Year 7 (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 1998/99 Project List**

The first year of the 10-Year Construction Program comprises the recommended FY 98/99 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 98/99 Project List is as follows:

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

#### **Pioneer Detention Basin and Outfall System**

**PTVW - 0000 thru 0018** - This facility was the subject of a Master Plan Change approved by the Board on March 12, 1998. Funds for final design and right-of-way acquisition are included in the amount of \$3,060,000.

#### **Southwest C-1 Detention Basin**

**C1-ch - 0861 thru 0997** - This project completes the detention system in the upper C-1 watershed. Design and right-of-way engineering is include in the amount of \$625,000. Construction funds in the amount of \$4,790,000 are also programmed.

#### **Railroad East Detention Basin**

**PTRE - 0000 thru 0070** - Year 1 includes \$1,270,000 for right-of-way acquisition.

**Total First Year:**

**\$9,745,000**

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

#### **Upper Washington Avenue Channel**

**WAPR - 0000** - The First Year program includes \$2,000,000 for construction of the reach from the Bonanza to the UPRR.

#### **Gowan North - Durango Branch**

**GODU** - Funds in the amount of \$1,000,000 are included for construction of these facilities. This is the cost for over sizing an RTC 10-year design.

#### **Gowan North Channel - North detention Basin to Lone Mountain**

**GONO - 0009 thru 0205** - Funds in the amount of \$3,762,000 are programmed for construction of the reach from Buffalo to Durango.

#### **Las Vegas Wash - Smoke Ranch -**

**LVSR - 0552** - This is a section of storm drain beneath Peak extending from Torrey Pines to Jones. Design is programmed in the amount of \$137,000 for the reach from Clayton to Farell.

#### **Gowan South Detention Basin Expansion**

**GOSO - 0051** - Year 1 includes \$150,000 for design of the construction necessary to increase the capacity of this detention basin.

**Total First Year:**

**\$7,049,000**

## **FY 1998/99 Project List**

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

#### **Western Tributary Las Vegas Wash Camino Al Norte to Ann**

**LVMD - 1954 thru 2172** - Construction is programmed in the amount of \$5,200,000 for the reach from the Lower Las Vegas detention Basin to Ann.

#### **Western Tributary Las Vegas Wash Ann to Centennial**

**LVMD - 2206 thru 2322** - Right-of-way acquisition is programmed in the amount of \$1,400,000.

#### **Clayton Street Channel**

**LV03 - 0000 thru 0120** - Construction is included in the amount of \$700,000.

#### **Las Vegas Wash Lake Mead to the "N" Channel**

**LVMD - 1421 thru 1534** - Design and right-of-way acquisition is included in the amount of \$610,000. Construction funding in the amount of \$1,980,000 is also included in Year 1.

#### **Rancho Drive System**

**RCHO - 0000 thru 0097** - This channel is the U.S. 95 collection system at Centennial for the Rancho Detention Basin. Design in the amount of \$50,000 and construction in the amount of \$200,000 funds appear in FY 98/99 to be coordinated with the design of the U.S. 95/Beltway interchange at Centennial.

#### **Total First Year:**

**\$10,140,000**

### **Clark County (Las Vegas Valley)**

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

**Corps of Engineer's Tropicana/Flamingo Project** - \$2,223,000 is programmed to meet the forecasted demands for local share for the project. In addition, \$5,678,000 is included to construct the Red Rock and Blue Diamond Channels to keep pace with the Southern Beltway improvements. These costs are expected to be credited by the COE as a part of the local sponsorship.

#### **Buffalo, Spring Mountain, Desert Inn Drains and Lakes Det. Basin**

**FLBF, FL SM, FL DI** - construction funds are included at \$2,101,000

#### **Flamingo Wash Lateral Drain & Desert Inn Det. Basin**

**FLLA - 0308 thru 0369** - \$1,250,000 is included for construction.

#### **Tropicana Wash Koval to Flamingo Wash**

**TRWA - 0000 thru 0152** - Construction is programmed in the amount of \$2,192,000.



## **FY 1998/99 Project List**

**Land Acquisition Upper & Central Duck Creek Det. Basins and Lower Blue Diamond and Bird Springs Det. Basins - DCWA - 1658, 2261 & 2668, DCBD 0 0282 - Year 1** includes \$200,00 for pre-design and right-of-way engineering.

**Rawhide Channel at Sagebrush**

**DCRH - 0200** - The first year includes \$500,000 for construction of an improved crossing.

**Clark County (Outlying Areas):**

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

**Muddy River** - Initial Construction funds in the amount of \$1,652,000 are included in Year One.

**Indian Springs** - The first year include \$100,000 for design of these improvements.

Clark County (Las Vegas Valley):	\$14,144,000
Clark County (Outlying Areas):	<u>\$ 2,252,000</u>
<b>Total First Year:</b>	<b>\$16,396,000</b>

**Boulder City:**

**Buchanan Channel Facilities**

**GBBC - 0062 thru 0148** - \$300,000 for construction of several culvert crossings is included in FY 98/99.

**Industrial Road facilities**

**NRIN - 0000 thru 0087** - Design funds are included in the amount of \$150,000.

<b>Total First Year:</b>	<b>\$450,000</b>
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It should be noted that projects that are not included on the FY 98/99 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	1996 MPU Total Costs	Total Planning Area Cost	Percent of Total Planning Area
<b>Henderson :</b>		( a )	( b )		
	C-1	\$23,119,834.50	\$41,502,000	\$64,621,835	4.08%
	Pittman	\$12,828,870.23	\$183,864,000	\$196,692,870	12.43%
	<b>Sub-total</b>	<b>\$35,948,704.73</b>	<b>\$225,366,000</b>	<b>\$261,314,705</b>	<b>16.52%</b>
<b>Las Vegas</b>		( a )	( b )		
	Central	\$38,610,973.69	\$147,877,000	\$186,487,974	11.79%
	Gowan	\$40,672,231.04	\$148,147,000	\$188,819,231	11.93%
	<b>Sub-total</b>	<b>\$79,283,204.73</b>	<b>\$296,024,000</b>	<b>\$375,307,205</b>	<b>23.72%</b>
<b>North Las Vegas</b>		( a )	( b )		
	Nothorn L V Wash	\$30,790,346.27	\$172,678,000	\$203,468,346	12.86%
	Range	\$19,472,015.62	\$91,875,000	\$111,347,016	7.04%
	Lower L V Wash	\$0.00	\$31,216,000	\$31,216,000	1.97%
	<b>Sub-total</b>	<b>\$50,262,361.89</b>	<b>\$295,769,000</b>	<b>\$346,031,362</b>	<b>21.87%</b>
<b>Clark County</b>		( a )	( b )		
	Duck Cr/Blue Diamond	\$11,469,742.82	\$207,005,000	\$218,474,743	13.81%
	Flamingo/Tropicana	\$47,430,818.22	\$217,860,000	\$265,290,818	16.77%
	Outlying	\$12,629,643.74	\$55,983,935	\$68,613,579	4.34%
	<b>Sub-total</b>	<b>\$71,530,204.78</b>	<b>\$480,848,935</b>	<b>\$552,379,140</b>	<b>34.91%</b>
<b>Boulder City :</b>		( c )	( d )		
	Boulder City	\$8,521,310.23	\$24,002,700	\$32,524,010	2.06%
	<b>Sub-total</b>	<b>\$8,521,310.23</b>	<b>\$24,002,700</b>	<b>\$32,524,010</b>	<b>2.06%</b>
<b>Mesquite :</b>		( a )	( b )		
	Mesquite	\$4,362,145.65	\$10,200,000	\$14,562,146	0.92%
	<b>Sub-total</b>	<b>\$4,362,145.65</b>	<b>\$10,200,000</b>	<b>\$14,562,146</b>	<b>0.92%</b>
<b>GRAND-TOTAL</b>		<b>\$249,907,932.01</b>	<b>\$1,332,210,635</b>	<b>\$1,582,118,567</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
- ( c ) From CIP Cumulative Reporting 5/14/98 at adoption of Boulder City MPU
- ( d ) Cost of remaining facilities from Boulder City Master Plan as of 5/14/98 at adoption of Boulder City MPU

## **EXHIBIT B**

# EXHIBIT B

## Project Prioritization

Adopted 7/10/1997, Amended 12/18/97

Facility Description	Planning Area	Facility Identification	Project Cost	Pop.	Land	Public	Access	Avoid.	Funding	Relation.	Implem.	Environ.	Mainten.	TOTAL
				val (5.0)	val (4.5)	val (4.0)	val (3.5)	val (3.0)	val (2.5)	val (2.0)	val (1.5)	val (1.0)	val (0.5)	val
HENDERSON :														
C-1 Channel Culvert at Lake Mead Drive	C-1 Ch.	C1CH 0174	\$200,000	4 20.0	3 13.5	5 20.0	5 17.5	4 12.0	3 7.5	4 8.0	5 7.5	2 2.0	5 2.5	110.5
Pioneer Detention Basin, Collection and Outfall System	Pittman	PTVW 0000 - 0018	\$10,622,880	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 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
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
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
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
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	4 10.0	4 8.0	3 4.5	2 2.0	3 1.5	85.5
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
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
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
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
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
C-1 Channel Upper Reach	C-1 Ch.	C1CH 0579 - 0635	\$1,429,000	4 20.0	4 18.0	3 12.0	3 10.5	1 3.0	0 0.0	4 8.0	3 4.5	3 3.0	4 2.0	81.0
Gibson Channel	Pittman	PTGB 0057 - 0185	\$4,730,000	2 10.0	5 22.5	3 12.0	5 17.5	3 9.0	0 0.0	3 6.0	1 1.5	1 1.0	2 1.0	80.5
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
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
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
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
S.W. Pittman Detention Basin And Outfall	Pittman	PTWA 0982 - 0990	\$15,172,200	1 5.0	3 13.5	1 4.0	3 10.5	2 6.0	0 0.0	3 6.0	1 1.5	1 1.0	1 0.5	48.0
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
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

Adopted 7/10/1997, Amended 12/18/97

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>														
Freeway Copnveyance South - LV Cr. Alta to Desert Inn	Central	FW15 0000 - 0301	\$24,452,100	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
Upper Washington Avenue Channel and Spaghetti Bowl	Central	WAPR-0000	\$3,495,000	4 20.0	4 18.0	5 20.0	5 17.5	5 15.0	1 2.5	5 10.0	5 7.5	3 3.0	4 2.0	115.5
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
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
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
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
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
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
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
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
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
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
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
Gowan NorthChannel - Lone mtn. to CAM-10 Det. Basin	Gowan	GONO 0234 - 0566	\$11,978,900	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
Gowan Outfall - Craig to Channel	Gowan	GONO 589	\$752,300	4 20.0	3 13.5	4 16.0	4 14.0	3 9.0	3 7.5	4 8.0	3 4.5	3 3.0	2 1.0	96.5
Las Vegas Wash Smoke Ranch	Central	LVSR 552	\$917,000	4 20.0	3 13.5	4 16.0	5 17.5	3 9.0	1 2.5	3 6.0	2 3.0	3 3.0	5 2.5	93.0
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
CAM-10 Det. Basin	Gowan	GONO 589	\$8,674,300	4 20.0	4 18.0	3 12.0	3 10.5	2 6.0	2 6.0	2 4.0	5 7.5	3 3.0	3 1.5	87.5

# EXHIBIT B

## Project Prioritization

Adopted 7/10/1997, Amended 12/18/97

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>														
Lower Las Vegas Wash Detention Basin	Northern LV Wash	LVMD 2050	\$11,890,000	5	4	5	3	5	2	4	4	3	3	112.0
Vandenberg Detention Basin	Range	RWWE 170	\$5,194,000	4	4	4	4	4	2	5	4	3	3	105.5
Western Tributary Channel Camino Al Norte to Ann	Northern LV Wash	LVMD 1954 - 2172	\$9,890,000	4	4	4	3	4	3	3	4	3	3	100.5
Western Tributary Channel Ann to Centennial	Northern LV Wash	LVMD 2206 - 2322	\$6,407,000	4	3	4	4	3	4	4	3	3	3	99.5
Clayton Street Channel	Northern LV Wash	LV03 0000	\$5,000,000	4	3	4	4	3	3	4	4	2	4	98.0
Las Vegas Wash Main Branch Lake Mead to 'N' Channel	Northern LV Wash	LVMD 1421 - 1534	\$5,731,000	4	4	4	3	3	2	4	4	3	4	97.5
A' Channel Alexander to 'N' Channel	Northern LV Wash	LVMD 1535 - 1680	\$6,601,000	3	3	4	3	4	4	4	4	2	4	95.0
"A" Channel Craig Confluence	Northern LV Wash	LV06 0000 - 0138	\$4,247,000	3	3	3	4	4	4	4	4	2	4	94.5
Las Vegas Wash - Losee	Northern LV Wash	LVLO 0000 - 0138	\$1,795,000	3	3	3	4	4	4	4	4	2	4	94.5
Ann Rd. System Rancho to Allen	Northern LV Wash	ANWE 0000 - 0361	\$9,829,000	3	4	4	4	3	3	3	3	2	4	94.0
West Range Channel Las Vegas Blvd. to Diversion	Range	RWSL 0576 - 0672	\$3,690,000	3	4	3	4	3	3	3	4	2	4	91.5
Owens Detention Basin and Washington Outfall	Range	SLWA 0000 - 0153	\$3,922,000	3	4	3	3	3	3	3	4	3	3	88.5
Upper Las Vegas Wash Craig to Elkhorn	Northern LV Wash	LVUP 0000 - 0210	\$13,116,000	3	3	3	4	3	3	3	3	2	4	85.5
Kyle Canyon Outfall (Beltway) W. Trib. - Decatur to Grand Teton	Northern LV Wash	LVMD 2324, CNWE-0000	\$5,326,000	3	3	3	3	3	3	3	3	3	3	82.5
Rancho Drive System Elkhorn to Ann	Northern LV Wash	RCHO 0000 - 0097	\$11,088,000	3	3	3	3	3	3	3	2	3	3	81.0
Las Vegas Wash Collection System Elkhorn	Northern LV Wash	EKEA 0000 - 0142	\$6,701,000	2	3	3	3	3	2	3	3	2	3	74.0
Upper Washington System	Range	SLWA 0158, SLOW, SLER	\$3,024,000	3	3	3	3	3	2	3	3	2	4	79.5
Sloan E. Br. & W. Range Channel Vandenberg Det. Basin to LV Blvd.	Range	SLEB 0000 - 0046 RWWE 0000 - 0168	\$4,254,000	3	3	3	3	3	2	3	3	2	3	79.0
Sloan Channel	Range	RWSL 0000 - 0135	\$4,565,000	2	3	2	2	3	2	4	3	2	4	69.0
Channel Lining - Pecos/Lake Mead to Vegas Valley	Lower Las Vegas Wash	LVMD 1032 - 1321	\$10,859,200	2	3	2	2	3	2	3	3	3	3	67.5
Alto and Lake Mead Conveyances	Range	RWAL RWLM	\$6,824,000	2	2	2	2	3	2	4	3	2	4	64.5
Lower Las Vegas Wash - Reach 2 Property Acq.; Channel Widening	Lower Las Vegas Wash	LVMD 0605 - 0772(R/W)	\$2,480,000	1	2	2	2	3	2	3	3	3	3	58.0
Stabilization Reach 1	Lower Las Vegas Wash	LVMD 0002	\$9,270,000	1	1	2	1	3	3	3	3	4	2	53.0

# EXHIBIT B

## Project Prioritization

Adopted 7/10/1997, Amended 12/18/97

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>														
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
Flamingo Wash - Bufalo, Spring Mtn Drain, Lakes Det. Basin, Desert Inn Drain	Flamingo/ Tropicana	FLBF, FLSP, 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
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 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
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
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
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
R/W Aqc. Upper, Central & S. Duck, Lower Blue Diamond & Birdspring Det. Basins	Duck Creek/ Blue Diamond	DCWA 2261, 1658 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
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
Duck Creek Boulder Highway to Stephanie	Duck Creek/ Blue Diamond	DCWA 0248 - 0340	\$5,249,000	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
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
Duck Creek - US96 Branch and Stephanie to Green Valley Pkwy./Patrick	Duck Creek/ Blue Diamond	DCWA 390 - 520 DC96	\$4,884,200	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
Las Vegas Wash - Bannch 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
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



## **EXHIBIT C**

# EXHIBIT C

## 10-YEAR CONSTRUCTION PROGRAM

						FIRST FIVE YEARS 7/1998 THRU 7/2003									
						FY 98/99 (Year 1)		FY 99/00 (Year 2)		FY 00/01 (Year 3)		FY 01/02 (Year 4)		FY 02/03 (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>															
Pioneer Detention Basin, Collection System and Outfall (PTWV-0000 THRU 0018)	Pittman	\$10,622,880	92.5			3.060	2.500	0.500	5.140			5.750		2.000	
S.W. C-1 Det. Basin (Black Mtn.) (C1CH-0861 thru 0997)	C-1 Ch.	\$5,080,000	90.0			0.625	4.790								
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							0.020	0.768				
Pittman Eastern Det. Basin (PTEA-0439)	Pittman	\$11,385,000	85.5									1.710	1.200		3.480
Eastern Ave. Trib. (PTEA-0000)	Pittman	\$3,653,000	84.0									0.550			3.100
Railroad East Det. Basin and Conveyance (PTRE-0000 thru 0070)	Pittman	\$9,623,000	84.0			1.270									
South Pittman Det. Basin and Conveyance (PTPW-0289 thru 0309)	Pittman	\$8,227,000	83.0											1.230	
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												
C-1 Channel - Upper Reach (C1CH-0579 thru 0635)	C-1 Ch.	\$1,429,000	81.0												
Gibson Conveyance System (PTGB-0057 thru 0208)	Pittman	\$4,730,000	80.5												
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												
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												
S.W. Pittman Detention Basin & Outfall (PTWA-0983 thru 0990)	Pittman	\$15,172,200	48.0												
Totals per Fiscal Year ( x \$1,000,000)							9.745		6.160		7.598		9.210		9.810
<b>Henderson 10-Year Total : \$89,853,000</b>															

# EXHIBIT C

## 10-YEAR CONSTRUCTION PROGRAM

10-YEAR CONSTRUCTION PROGRAM						SECOND FIVE YEARS 7/2003 THRU 7/2008									
						FY 03/04 (Year 6)		FY04/05 (Year 7)		FY05/06 (Year 8)		FY06/07 (Year 9)		FY07/08 (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 :															
Pioneer Detention Basin, Collection	Pittman	\$10,622,880													
System and Outfall (PTVW-0000 THRU 0018)			92.5												
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												
Pittman Eastern Det. Basin (PTEA-0439)	Pittman	\$11,385,000	85.5			5.000									
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												
South Pittman Det. Basin and Conveyance (PTPW-0289 thru 0309)	Pittman	\$8,227,000	83.0			1.000		2.500		3.500					
C-1 Channel - (Burkholder to UPRR) (C1CH-0412 thru 0578)	C-1 Ch.	\$5,137,000	81.5		0.750			4.390							
Pittman Wash - Beltway (PTBL-0000)	Pittman	\$418,000	81.0		0.060	0.36									
C-1 Channel - Upper Reach (C1CH-0579 thru 0635)	C-1 Ch.	\$1,429,000	81.0		0.220	1.270									
Gibson Conveyance System (PTGB-0057 thru 0208)	Pittman	\$4,730,000	80.5		0.720			2.700		1.000		0.400			
Boulder Highway Channel (C1BH-0000)	C-1 Ch.	\$2,359,000	78.5						0.300		2.060				
N.E. C-1 Det. Basin and Levee (C1IT-0199 thru 0246)	C-1 Ch.	\$7,434,000	78.0						1.120		3.310		3.000		
N.E. C-1 Det. Basin Outfall (C1IT-0000 thru 0127)	C-1 Ch.	\$4,532,000	77.5						0.680		2.000		1.870		
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						0.620		2.400		1.700		
S.W. Pittman Detention Basin & Outfall (PTWA-0983 thru 0990)	Pittman	\$15,172,200	48.0										2.280	1.000	
Totals per Fiscal Year ( x \$1,000,000)						9.380		9.590		7.390		10.170		10.800	
Henderson 10-Year Total :															
\$89,853,000															

# EXHIBIT C

## 10-YEAR CONSTRUCTION PROGRAM

					FIRST FIVE YEARS 7/1998 THRU 7/2003									
					FY 98/99 (Year 1)		FY 99/00 (Year 2)		FY 00/01 (Year 3)		FY 01/02 (Year 4)		FY 02/03 (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 Channel - Alta to Desert Inn (FW15 0000 thru 0301)	Central	\$24,452,100	116.5						6.000				0.500	
Upper Washington Ave. Channel & (WAPR - 0000)	Central	\$3,495,000	115.5		Bonanza to UPRR 2.000									
Gowan North - Buffalo & Teneya Branches & Upper Gowan Outfall (GOBU, GOTE, GOOF-0775)	Gowan	\$5,360,000	106.5				2.366							
Washington Ave. System - I15 to Martin Luther King (LV15-0229 thru 0339)	Central	\$754,000	105.5				1.000				0.200		0.350	
Gowan North - Durango Branch (GODU)	Gowan	\$981,000	105.5			1.000								
Gowan Outfall Lone Mtn. Branch (GOLO-0000 thru 0076)	Gowan	\$3,900,000	104.0				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								0.300			
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
Owens Avenue System (LVOW 0000 thru 0146)	Central	\$6,126,000	99.5	Funded With RTC			0.200				2.963			
Gowan N. Channel - N. Det. Basin to Lone Mtn. (GONO - 0009 thru 0205)	Gowan	\$12,111,000	99.5		Buffalo to Durango 3.762								0.400	
Oakey Drain - I15 to Valley View (FWOK 0000 thru 0224)	Central	\$9,467,100	98.0											
Colorado Avenue System - LV Wash to I-515 (LVCO-0000 thru 0166)	Central	\$1,493,000	97.5						0.500				0.900	
Gowan North Channel - Lone Mtn. To CAM-10 (GONO-0234 thru 0589)	Gowan	\$11,978,900	97.0											
Gowan Outfall Craig to Channel GOOF - 0198	Gowan	\$752,300	96.5						0.052		0.700			
Las Vegas Wash - Smoke Ranch LVSR - 0552	Central	\$917,100	93.0		0.137									0.780
Gowan South Det. Basin Expansion (GOSO-0051)	Gowan	\$1,675,000	90.5		0.150									
CAM-10 Detention Basin (GONO - 0589)	Gowan	\$8,674,300	87.5						0.200					
Totals per Fiscal Year ( x \$1,000,000)						7.049	4.967	6.752	4.163	6.977				
Las Vegas 10-Year Total : 84,712,000														

# EXHIBIT C

## 10-YEAR CONSTRUCTION PROGRAM

						SECOND FIVE YEARS 7/2003 THRU 7/2008									
						FY 03/04 (Year 6)		FY04/05 (Year 7)		FY05/06 (Year 8)		FY06/07 (Year 9)		FY07/08 (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.
<b>LAS VEGAS (Central Las Vegas Valley) :</b>															
Freeway Channel - Alta to Desert Inn (FW15 0000 thru 0301)	Central	\$24,452,100	116.5					4.568						0.641	4.278
Upper Washington Ave. Channel & (WAPR - 0000)	Central	\$3,495,000	115.5												
Gowan North - Buffalo & Teneya Branches & Upper Gowan Outfall (GOBU, GOTE, GOOF-0775)	Gowan	\$5,360,000	106.5												
Washington Ave. System - I15 to Martin Luther King (LV15-0229 thru 0339)	Central	\$754,000	105.5												
Gowan North - Durango Branch (GODU)	Gowan	\$981,000	105.5												
Gowan Outfall Lone Mtn. Branch (GOLO-0000 thru 0076)	Gowan	\$3,900,000	104.0											0.500	3.900
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			2.355									
Lone Mtn. System - Outfall to Durango (GOLM - 0000 thru 0101)	Gowan	\$1,767,000	101.0												
Freeway Channel Bypass Facility (FWUP 0000 thru 0059)	Central	\$2,680,000	100.5												
Owens Avenue System (LVOW 0000 thru 0146)	Central	\$6,126,000	99.5	Funded With RTC											
Gowan N. Channel - N. Det. Basin to Lone Mtn. (GONO - 0009 thru 0205)	Gowan	\$12,111,000	99.5		Durango to Lone Mtn.	3.816									
Oakey Drain - I15 to Valley View (FWOK 0000 thru 0224)	Central	\$9,467,100	98.0							0.500	4.018	0.500	3.575	0.150	0.873
Colorado Avenue System - LV Wash to I-515 (LVCO-0000 thru 0166)	Central	\$1,493,000	97.5			2.000	2.000		2.000						
Gowan North Channel - Lone Mtn. To CAM-10 (GONO-0234 thru 0589)	Gowan	\$11,978,900	97.0						1.000			9.048	0.450	2.930	
Gowan Outfall Craig to Channel GOOF - 0198	Gowan	\$752,300	96.5												
Las Vegas Wash - Smoke Ranch LVSR - 0552	Central	\$917,100	93.0												
Gowan South Det. Basin Expansion (GOSO-0051)	Gowan	\$1,675,000	90.5											1.525	
CAM-10 Detention Basin (GONO - 0589)	Gowan	\$8,674,300	87.5												
Totals per Fiscal Year ( x \$1,000,000)						8.171		6.968		11.295		13.123		15.247	
<b>Las Vegas 10-Year Total : \$4,712,000</b>															

# EXHIBIT C

## 10-YEAR CONSTRUCTION PROGRAM

						FIRST FIVE YEARS 7/1998 THRU 7/2003									
						FY 98/99 (Year 1)		FY 99/00 (Year 2)		FY 00/01 (Year 3)		FY 01/02 (Year 4)		FY 02/03 (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				3.850		0.500						
W. Trib. (Camino Al Norte to Ann) (LVMD-1954 thru 2172)	N. LV Wash	\$9,890,000	100.5			5.200	1.200								
W. Trib. (Ann to Centennial) (Kyle Outfall)(LVMD-2206 thru 2322)	N. LV Wash	\$6,407,000	99.5		1.400					2.200	2.200			2.400	
Clayton Street Channel (LV03-0000 thru 0120)	N. LV Wash	\$5,000,000	98.0			0.700									
Main Branch (Lake Mead to "N" Channel)(LVMD-1421 thru 1534)	N. LV Wash	\$5,731,000	97.5		0.610	1.980	2.305		2.305						
Main Branch ("N" Channel to Alexander)(LVMD-1535 thru 1680)	N. LV Wash	\$6,601,000	95.0								1.300		3.000	2.750	
"A" Channel - Craig Confluence (LV06-0000 thru 0138)	N. LV Wash	\$4,247,000	94.5				1.067		1.590		1.590				
Las Vegas Wash - Losee (LVLO - 0000)	N. LV Wash	\$1,795,000	94.5						0.100		0.610		0.610		
Ann Road System (Rancho to Allen)(ANWE-0000 thru 0361)	N. LV Wash	\$9,829,000	94.0	50/50 w/RTC			0.950		2.700		2.700				
West Range Channel (Las Vegas Structure)(RWSL-0576 thru 0694)	Range	\$3,690,000	91.5												
Owens Det. Basin & Outfall (SLWA-0000 thru 0153)	Range	\$3,922,000	88.5												
Upper LV Wash (Craig to Elkhorn) (LVUP-0000 thru 0210)	N. LV Wash	\$13,116,000	85.5						0.780		0.500	1.605		1.605	
Kyle Canyon Outfall (Beltway) (LVMD-2324, CNWE-0000)	N. LV Wash	\$5,326,000	82.5	50/50 w/Beltway										0.350	
Rancho Drive System - Elkhorn to Ann (RCHO - 0000 thru 0097)	N. LV Wash	\$11,088,000	81.0		0.050	0.200									
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												
Las Vegas Wash - Elkhorn (EKEA - 0000 thru 0142)	N. LV Wash	\$6,701,000	74.0												
Sloan Channel (RWSL-0000 thru 0135)	Range	\$4,565,000	69.0											0.325	0.100
Alto and Lake Mead Conveyances RWAL, RWLM	Range	\$6,824,000	64.5												
Totals per Fiscal Year ( x \$1,000,000)							10.140		9.372		10.175		10.505		11.140
North Las Vegas 10-Year Total : \$105,928,000															

# EXHIBIT C

## 10-YEAR CONSTRUCTION PROGRAM

10-YEAR CONSTRUCTION PROGRAM					SECOND FIVE YEARS 7/2003 THRU 7/2008									
					FY 03/04 (Year 6)		FY04/05 (Year 7)		FY05/06 (Year 8)		FY06/07 (Year 9)		FY07/08 (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 (RWWVE-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						0.400	1.000		2.000	0.500	2.500
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			1.586		1.000				
Main Branch (Lake Mead to "N" Channel)(LVMD-1421 thru 1534)	N. LV Wash	\$5,731,000	97.5											
Main Branch ("N" Channel to Alexander)(LVMD-1535 thru 1680)	N. LV Wash	\$6,601,000	95.0			3.150								
"A" Channel - Craig Confluence (LV06-0000 thru 0138)	N. LV Wash	\$4,247,000	94.5											
Las Vegas Wash - Losee (LVLO - 0000)	N. LV Wash	\$1,795,000	94.5											
Ann Road System (Rancho to Allen)(ANWE-0000 thru 0361)	N. LV Wash	\$9,829,000	94.0	50/50 w/RTC										
West Range Channel (Las Vegas Structure)(RWSL-0576 thru 0694)	Range	\$3,690,000	91.5		0.350	1.870		1.870						
Owens Det. Basin & Outfall (SLWA-0000 thru 0153)	Range	\$3,922,000	88.5				0.275			2.000		1.650		
Upper LV Wash (Craig to Elkhorn) (LVUP-0000 thru 0210)	N. LV Wash	\$13,116,000	85.5		0.250	1.900	0.225	1.400	0.220	1.310	0.500	2.900		
Kyle Canyon Outfall (Beltway) (LVMD-2324, CNWE-0000)	N. LV Wash	\$5,326,000	82.5	50/50 w/Beltway	0.310	1.000		1.680		2.000			0.834	
Rancho Drive System - Elkhorn to Ann (RCHO - 0000 thru 0097)	N. LV Wash	\$11,088,000	81.0											
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, RWWVE-0000 thru 0168)	Range	\$4,254,000	79.0				0.500					3.750		
Las Vegas Wash - Elkhorn (EKEA - 0000 thru 0142)	N. LV Wash	\$6,701,000	74.0										1.215	
Sloan Channel (RWSL-0000 thru 0135)	Range	\$4,565,000	69.0			2.400		1.740						
Alto and Lake Mead Conveyances RWAL, RWLM	Range	\$6,824,000	64.5								0.475		6.360	
Totals per Fiscal Year ( x \$1,000,000)					11.686		9.676		7.930		13.895		11.409	
North Las Vegas 10-Year Total : \$105,928,000														

# EXHIBIT C

## 10-YEAR CONSTRUCTION PROGRAM

					FIRST FIVE YEARS 7/1998 THRU 7/2003									
					FY 98/99 (Year 1)		FY 99/00 (Year 2)		FY 00/01 (Year 3)		FY 01/02 (Year 4)		FY 02/03 (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>CLARK COUNTY (Southwest Las Vegas Valley) :</b>														
Corps of Engineer's Tropicana/ Fleming Project	Flem./Trop. COE	\$26,398,000				2.223		2.214		2.093		1.823		3.578
Red Rock Channel - Fort Apache to Hualapai (RRWA 0214)	Flem./Trop. COE	\$6,280,000				1.884								
Red Rock Channel - Beltway to Fort Apache (RRWA 0061 thru 0205)	Flem./Trop. COE	\$5,776,100				1.733								
Blue Diamond Channel - Rainbow to Durango (TRBD 0282 thru 0384)	Flem./Trop. COE	\$6,870,400				2.061								
Red Rock Channel - Hualapai to Det. Basin (RRWA 0350 thru 0606)	Flem./Trop. COE	\$9,853,000						2.956						
Lower Duck Creek Detention Basin (DCWA-1216)	Duck Cr./ Bl. Diamond	\$11,871,000	119.5				1.328		6.220		3.373			
Buffalo, Spring Mt Drain, Lakes DB & Desert Inn Drain FLBF,FLSM,FLDI	Flem./Trop.	\$12,348,000	105.0			2.101		4.874		1.983		1.942		
Lateral Drain & D.I. Det Basin (FLLA-0308 thru 0369)	Flem./Trop.	\$2,496,000	99.5			1.250		1.000						
Fleming Wash, Swenson to Lower Flem. Det. Basin (FLWA 0648-1049)	Flem./Trop.	\$4,442,000	98.5											3.125
Durango Collector FLDR	Flem./Trop.	\$5,182,000	96.5						3.779		1.919			
Tropicana Wash, Fleming Wash to Koval (TRWA-0000 thru 0152)	Flem./Trop.	\$6,705,000	95.5			2.192								2.524
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					
Fleming Wash (McLeod to Maryland Pkwy (FLWA-0400 thru 0583)	Flem./Trop.	\$4,858,000	95.0											
Duck Creek (Boulder Hwy to Stephanie) (DCWA 0248-0340)	Duck Cr./ Bl. Diamond	\$5,249,000	88.0											2.400
Las Vegas Wash - Branch 01 (LV01 0000-0118)	Flem./Trop.	\$4,503,000	87.5											
Las Vegas Wash - Branch 01 (LV01 0150-0151)	Flem./Trop.	\$5,436,000	87.5											
Fleming Wash, Lamb Blvd to Boulder Hwy(FLWA-0175 THRU 0228)	Flem./Trop.	\$3,135,000	86.5											
Fleming Wash, Las Vegas Wash to Lamb Blvd(FLWA-0000 THRU 0174)	Flem./Trop.	\$3,734,000	86.5											
Fleming Wash, Boulder Hwy to McLeod (FLWA 0255-0376)	Flem./Trop.	\$5,050,000	86.5											
Rawhide at Sagebrush (DCRH - 0200)	Duck Cr./ Bl. Diamond	\$500,000	85.5			0.500								
Duck Creek, Stephanie to GV Pkwy & US95 Br. (DCWA-0390 thru 0520, DC95)	Duck Cr./ Bl. Diamond	\$4,884,200	83.0								0.360			1.660
Duck Creek, GV Pkwy to Sunset (DCWA-0597)	Duck Cr./ Bl. Diamond	\$4,698,000	83.0										0.581	
Duck Creek Channel (Sunset to Eastern) (DCWA-0647 thru 0883)	Duck Cr./ Bl. Diamond	\$8,119,000	83.0								0.100	Newport Village		0.560
Las Vegas Wash - Branch 02 (Monson Chnl) (LV02)	Flem./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											
<b>CLARK COUNTY (Outlying Areas) :</b>														
Goodsprings - Phase 1 Improvements	Goodsprings	\$500,000	*			0.500								
Muddy River	Moapa Valley	\$22,036,000	*			1.652		0.472		0.457		4.659		1.722
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	*											0.702
Totals per Fiscal Year ( x \$1,000,000)						16.396		14.528		15.183		15.676		16.852
Clark County (Valley & Outlying) 10-Year Total : \$172,122,999														



**EXHIBIT C**

**10-YEAR CONSTRUCTION PROGRAM**

						<b>SECOND FIVE YEARS 7/2003 THRU 7/2008</b>									
						FY 03/04 (Year 6)		FY04/05 (Year 7)		FY05/06 (Year 8)		FY06/07 (Year 9)		FY07/08 (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.
<b>CLARK COUNTY (Southwest Las Vegas Valley) :</b>															
Corps of Engineer's Tropicana/ Flamingo Project	Fiam./Trop. COE	\$26,398,000				6.600		8.107		2.778					
Red Rock Channel - Fort Apache to Hualapai (RRWA 0214)	Fiam./Trop. COE	\$6,280,000													
Red Rock Channel - Beltway to Fort Apache (RRWA 0061 thru 0205)	Fiam./Trop. COE	\$5,776,100													
Blue Diamond Channel - Rainbow to Durango (TRBD 0282 thru 0384)	Fiam./Trop. COE	\$6,870,400													
Red Rock Channel - Hualapai to Det. Basin (RRWA 0350 thru 0606)	Fiam./Trop. COE	\$9,853,000													
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	Fiam./Trop.	\$12,348,000	105.0												
Lateral Drain & D.I. Det Basin (FLLA-0308 thru 0369)	Fiam./Trop.	\$2,496,000	99.5												
Flamingo Wash, Swenson to Lower Fiam. Det. Basin (FLWA 0648-1049)	Fiam./Trop.	\$4,442,000	98.5			1.315									
Durango Collector FLDR	Fiam./Trop.	\$5,182,000	96.5												
Tropicana Wash, Flamingo Wash to Koval (TRWA-0000 thru 0152)	Fiam./Trop.	\$6,705,000	95.5			1.749									
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												
Flamingo Wash (McLeod to Maryland Pkwy (FLWA-0400 thru 0593)	Fiam./Trop.	\$4,858,000	95.0			2.592		2.268							
Duck Creek (Boulder Hwy to Stephanie) (DCWA 0248-0340)	Duck Cr./ Bl. Diamond	\$5,249,000	88.0			1.172								0.500	2.889
Las Vegas Wash - Branch 01 (LV01 0000-0118)	Fiam./Trop.	\$4,503,000	87.5					2.527		1.973					
Las Vegas Wash - Branch 01 (LV01 0150-0151)	Fiam./Trop.	\$5,436,000	87.5			0.700				0.796		3.944			
Flamingo Wash, Lamb Blvd to Boulder Hwy(FLWA-0175 THRU 0228)	Fiam./Trop.	\$3,135,000	86.5			0.320				2.820					
Flamingo Wash, Las Vegas Wash to Lamb Blvd(FLWA-0000 THRU 0174)	Fiam./Trop.	\$3,734,000	86.5							3.380		0.350			
Flamingo Wash, Boulder Hwy to McLeod (FLWA 0255-0376)	Fiam./Trop.	\$5,050,000	86.5							1.100		3.950			
Rawhide at Sagebrush (DCRH - 0200)	Duck Cr./ Bl. Diamond	\$500,000	85.5												
Duck Creek, Stephanie to GV Pkwy & US95 Br. (DCWA-0390 thru 0520, DC95)	Duck Cr./ Bl. Diamond	\$4,884,200	83.0											0.600	3.750
Duck Creek, GV Pkwy to Sunset (DCWA-0597)	Duck Cr./ Bl. Diamond	\$4,698,000	83.0									4.117			
Duck Creek Channel (Sunset to Eastern) (DCWA-0647 thru 0883)	Duck Cr./ Bl. Diamond	\$8,119,000	83.0					0.700		3.277		3.179			
Las Vegas Wash - Branch 02 (Monson Chnl) (LV02)	Fiam./Trop.	\$8,350,000	76.5												6.230
Duck Creek, Det. Basin to Iv Blvd. (DCWA 1241-1358)	Duck Cr./ Bl. Diamond	\$3,984,000	71.5												2.584
Duck Creek, LV Blvd to Central Duck Creek DB (DCWA 1362-1594)	Duck Cr./ Bl. Diamond	\$6,642,000	71.5												5.982
<b>CLARK COUNTY (Outlying Areas) :</b>															
Goodsprings - Phase 1 Improvements	Goodsprings	\$500,000	*												
Muddy River	Moapa Valley	\$22,036,000	*			2.803		1.168		2.018		5.249			
Indian Springs	Indian Springs	\$595,000	*												
Overton Wash/ Railroad Channel	Moapa Valley	\$1,500,000	*												
Searchlight - Eastern Portion Improvements	Searchlight	\$702,000	*												
Totals per Fiscal Year ( x \$1,000,000)						17.251		14.770		18.142		20.789		22.535	
<b>Clark County (Valley &amp; Outlying) 10-Year Total :</b>						<b>\$172,122,999</b>									

**EXHIBIT C**

**10-YEAR CONSTRUCTION PROGRAM**

					<b>FIRST FIVE YEARS 7/1998 THRU 7/2003</b>									
					FY 98/99 (Year 1)		FY 99/00 (Year 2)		FY 00/01 (Year 3)		FY 01/02 (Year 4)		FY 02/03 (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 115 to Virgin River	Town Wash	\$2,660,000	*											
Earthen Channel 115 to Virgin River	Abbott Wash	\$2,100,000	*											
115 to Virgin River	ulsipher Wash	\$1,200,000	*											
Totals per Fiscal Year ( x \$1,000,000)						0.000		0.000		0.000		0.000		0.000
<b>City of Mesquite 10-Year Total :</b>														
<b>\$5,960,000</b>														
<b>BOULDER CITY</b>														
Buchanan Channel Facilities (GBBC - 0062 thru 0148)	Georgia/ Buchanan	\$382,300	*			0.300								
Ville Drive Facilities (HMLV - 0028 thru 0064)	Hemenway	\$401,800	*					0.600		0.500				
Industrial Road Facilities (NRIN - 0000 thru 0087)	North Railroad	\$4,743,700	*			0.150						0.275		
Trailhead Facilities (HMTN - 0033 & 0054)	Hemenway	\$198,300	*								0.025			
Georgia Channel Facilities (GBGR - 0000 thru 0099)	Georgia/ Buchanan	\$554,500												0.550
Lake Mountain Drive Facilities (HMLM - 0000 thru 0085)	Hemenway	\$113,700	*											0.050
Hemenway Channel Facilities (HMLA - 0004 thru 0181)	Hemenway	\$1,293,300												
Totals per Fiscal Year ( x \$1,000,000)						0.450		0.600		0.500		0.300		0.600
<b>Boulder City 10-Year Total :</b>														
<b>\$7,350,000</b>														
Annual Program Total ( x \$1,000,000)						43.780		35.627		40.208		39.854		45.379
Annual Projected Revenue ( x \$1,000,000)					(a)	40.474		36.391		38.534		40.677		43.045
Annual Programmed is Over/(Under) Projected Revenue (x\$1,000,000)						3.307		(0.764)		1.674		(0.823)		2.335
Cumulative Program Total ( x \$1,000,000)						43.780		79.407		119.615		159.470		204.849
Cumulative Projected Revenue ( x \$1,000,000)						40.474		76.865		115.399		156.076		199.120
Cumulative Programmed is Over/(Under) Projected Revenue (x\$1,000,000)						3.307		2.542		4.217		3.394		5.729
<b>10-Year Total 98/99 thru 07/08:</b>														
<b>\$465,925,999</b>														
<b>10-Year Projected Revenue:</b>														
<b>\$459,899,781</b>														

(a) Includes \$6.0M carry over from FY 97/98

# EXHIBIT C

## 10-YEAR CONSTRUCTION PROGRAM

					SECOND FIVE YEARS 7/2003 THRU 7/2008									
					FY 03/04 (Year 6)		FY04/05 (Year 7)		FY05/06 (Year 8)		FY06/07 (Year 9)		FY07/08 (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.
<b>CITY OF MESQUITE</b>														
Phase II Bank Protection 115 to Virgin River	Town Wash	\$2,660,000	*				0.399	2.261						
Earthen Channel 115 to Virgin River	Abbott Wash	\$2,100,000	*				0.315	1.785						
115 to Virgin River	Alispher Wash	\$1,200,000	*				0.180	1.020						
Totals per Fiscal Year (x \$1,000,000)						0.000		5.960		0.000		0.000		0.000
City of Mesquite 10-Year Total :					\$5,960,000									
<b>BOULDER CITY</b>														
Buchanan Channel Facilities (GBBC - 0062 thru 0148)	Georgia/ Buchanan	\$382,300	*											
Ville Drive Facilities (HMLV - 0028 thru 0064)	Hemenway	\$401,800	*											
Industrial Road Facilities (NRIN - 0000 thru 0087)	North Railroad	\$4,743,700	*					0.800		0.900		1.100		1.200
Trailhead Facilities (HMTN - 0033 & 0054)	Hemenway	\$198,300	*											
Georgia Channel Facilities (GBGR - 0000 thru 0099)	Georgia/ Buchanan	\$554,500												
Lake Mountain Drive Facilities (HMLM - 0000 thru 0085)	Hemenway	\$113,700	*											
Hemenway Channel Facilities (HMVA - 0004 thru 0181)	Hemenway	\$1,293,300			0.100	0.800								
Totals per Fiscal Year (x \$1,000,000)						0.900		0.800		0.900		1.100		1.200
Boulder City 10-Year Total :					\$7,350,000									
Annual Program Total (x \$1,000,000)						47.388		47.764		45.657		59.077		61.191
Annual Projected Revenue (x \$1,000,000)						45.040		47.089		49.219		57.126		62.306
Annual Programmed is Over/(Under) Projected Revenue (x\$1,000,000)						2.348		0.675		(3.562)		1.951		(1.115)
Cumulative Program Total (x \$1,000,000)						252.237		300.001		345.658		404.735		465.926
Cumulative Projected Revenue (x \$1,000,000)						244.161		291.249		340.468		397.594		459.900
Cumulative Programmed is Over/(Under) Projected Revenue (x\$1,000,000)						8.076		8.751		5.190		7.141		6.026
10-Year Total 98/99 thru 07/08:					\$465,925,999									
10-Year Projected Revenue:					\$459,899,781									

(a) Includes \$6.0M carry over from FY 97/98

## **EXHIBIT D**

# FUNDING SUMMARY

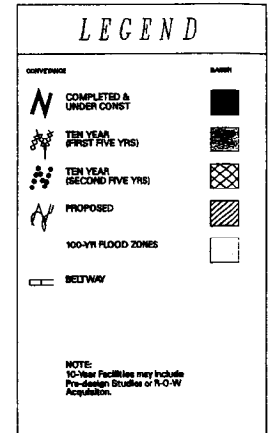
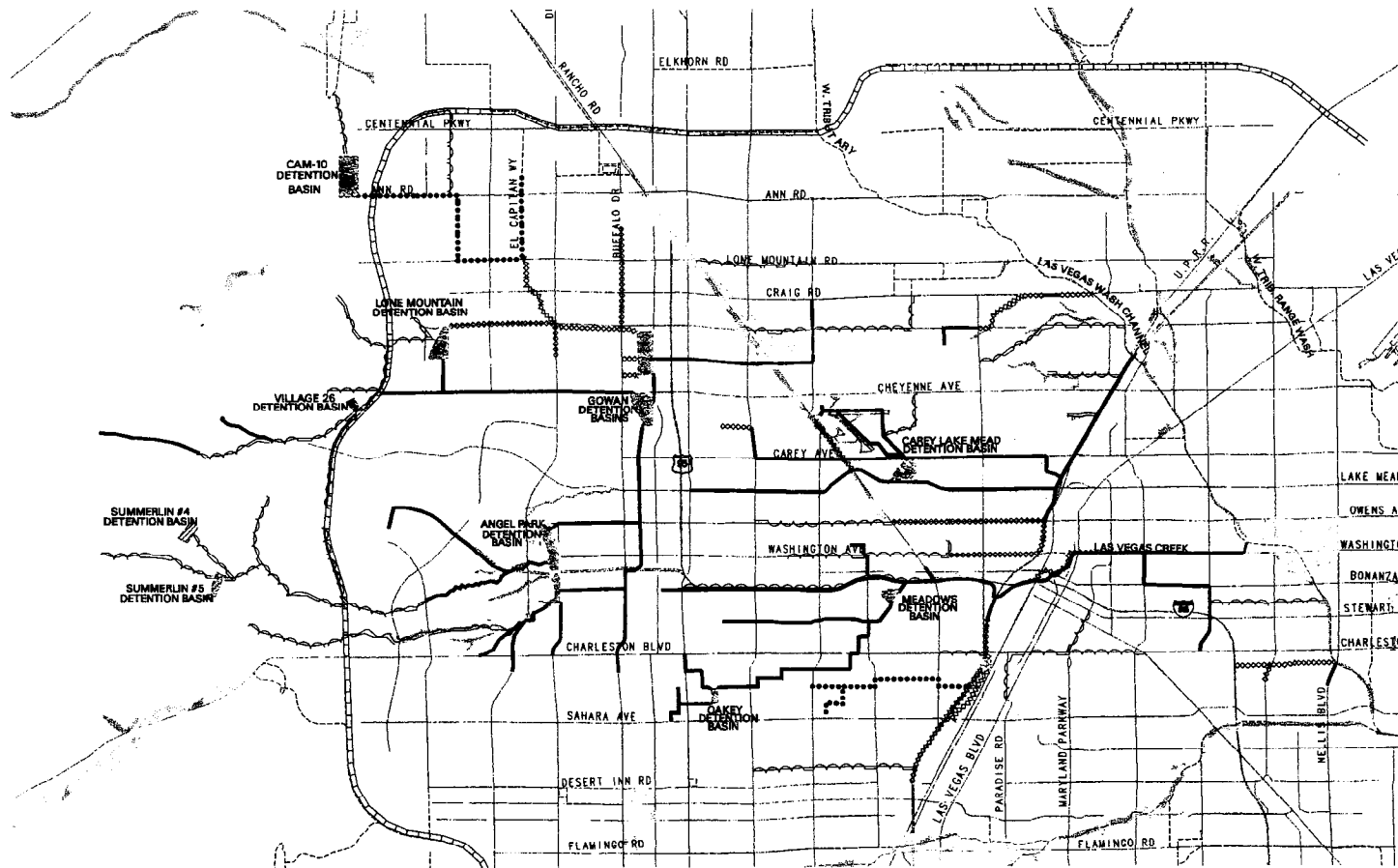
## EXHIBIT D

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* Contracts	Percent of Funding				
Henderson : (Pittman/ C-1)	16.5%	\$37,360,039	11.9%	\$89,853,000	\$127,213,039	16.3%	(0.2%) (\$1,435,056)
Las Vegas: (Central/ Gowan)	23.7%	\$99,695,486	31.9%	\$84,712,000	\$184,407,486	23.7%	(0.0%) (\$360,366)
Clark County: (Tropicana-Flamingo/ Duck Cr.- Bl.Diamond/ Outlying)	34.9%	\$97,713,404	31.2%	\$172,122,999 (a)	\$269,836,403	34.6%	(0.3%) (\$2,105,904)
North Las Vegas: (Northern LV Wash/ Range/Lower LV Wash)	21.9%	\$65,015,935	20.8%	\$105,928,000	\$170,943,935	21.9%	0.1% \$588,901
Boulder City :	2.1%	\$8,821,310	2.8%	\$7,350,000	\$16,171,310	2.1%	0.0% \$159,383
Mesquite :	0.9%	\$4,362,146	1.4%	\$5,960,000	\$10,322,146	1.3%	0.4% \$3,153,042
<b>TOTAL</b>	<b>100.0%</b>	<b>\$312,968,319</b>	<b>100.0%</b>	<b>\$465,925,999</b>	<b>\$778,894,318</b>	<b>100.0%</b>	

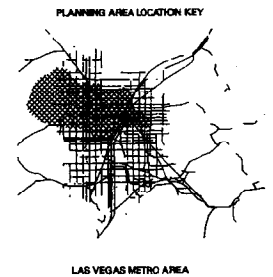
(a) Includes \$29,417,000 for COE  
Trop/Flamingo Project 97/98thru  
05/06

\* Includes Project Close Outs and Present Interlocal Contracts as of June 11, 1998

# GOWAN AND CENTRAL BASIN PLANNING AREA TEN-YEAR CONSTRUCTION PROGRAM



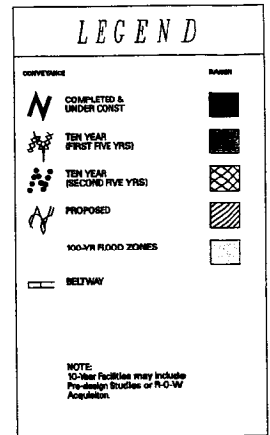
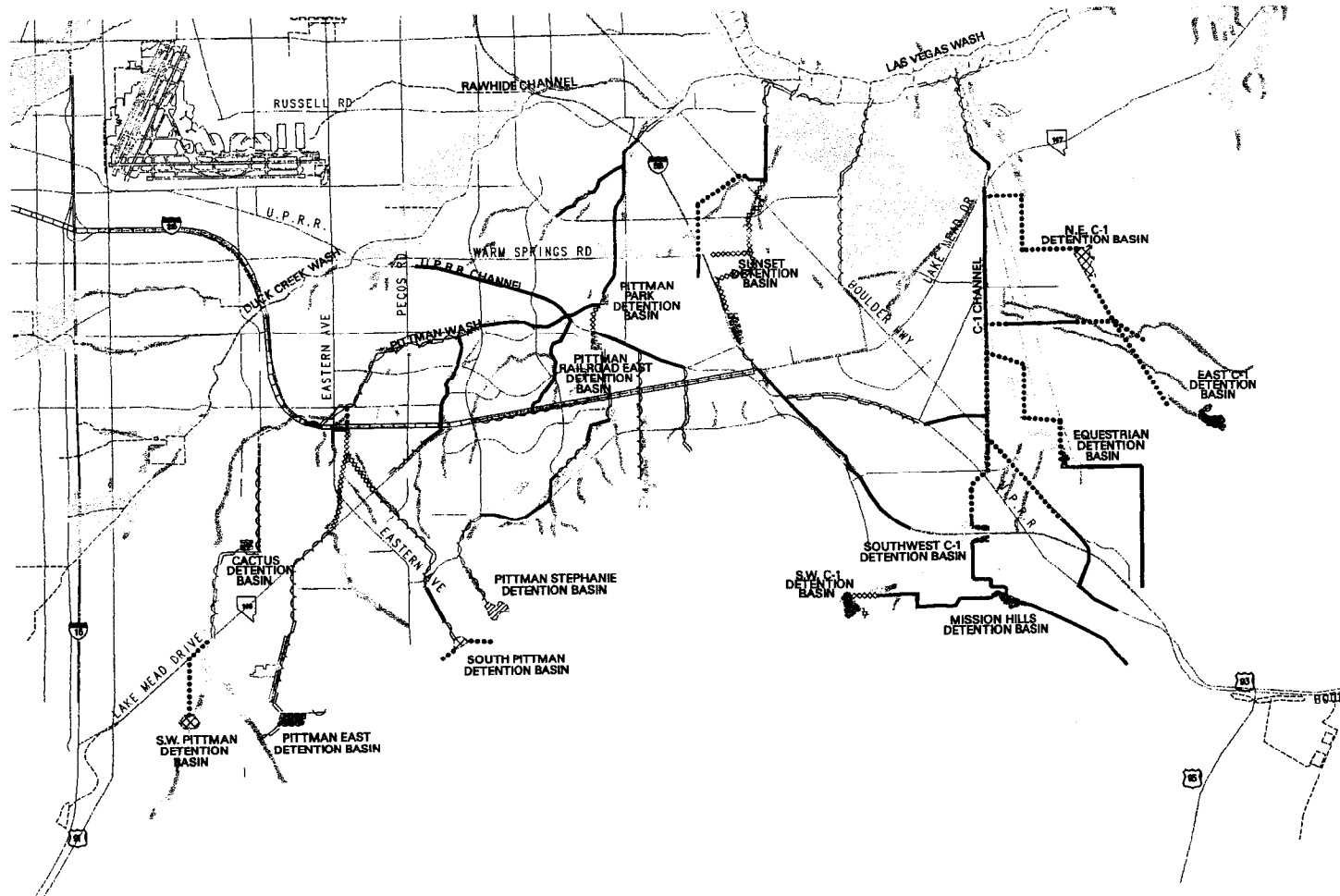
NOTE: DASHED FACILITIES ARE OUTSIDE OF THE PLANNING AREA



APPROXIMATE SCALE 1:6000  
June 1988  
GCBWIK  
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# PITTMAN WASH AND C-1 CHANNEL PLANNING AREA TEN-YEAR CONSTRUCTION PROGRAM



NOTE: DASHED FACILITIES ARE  
OUTSIDE OF THE PLANNING AREA.

PLANNING AREA LOCATION KEY



LAS VEGAS METRO AREA

APPROXIMATE SCALE 1:2500

June 1998

CPW/WTX

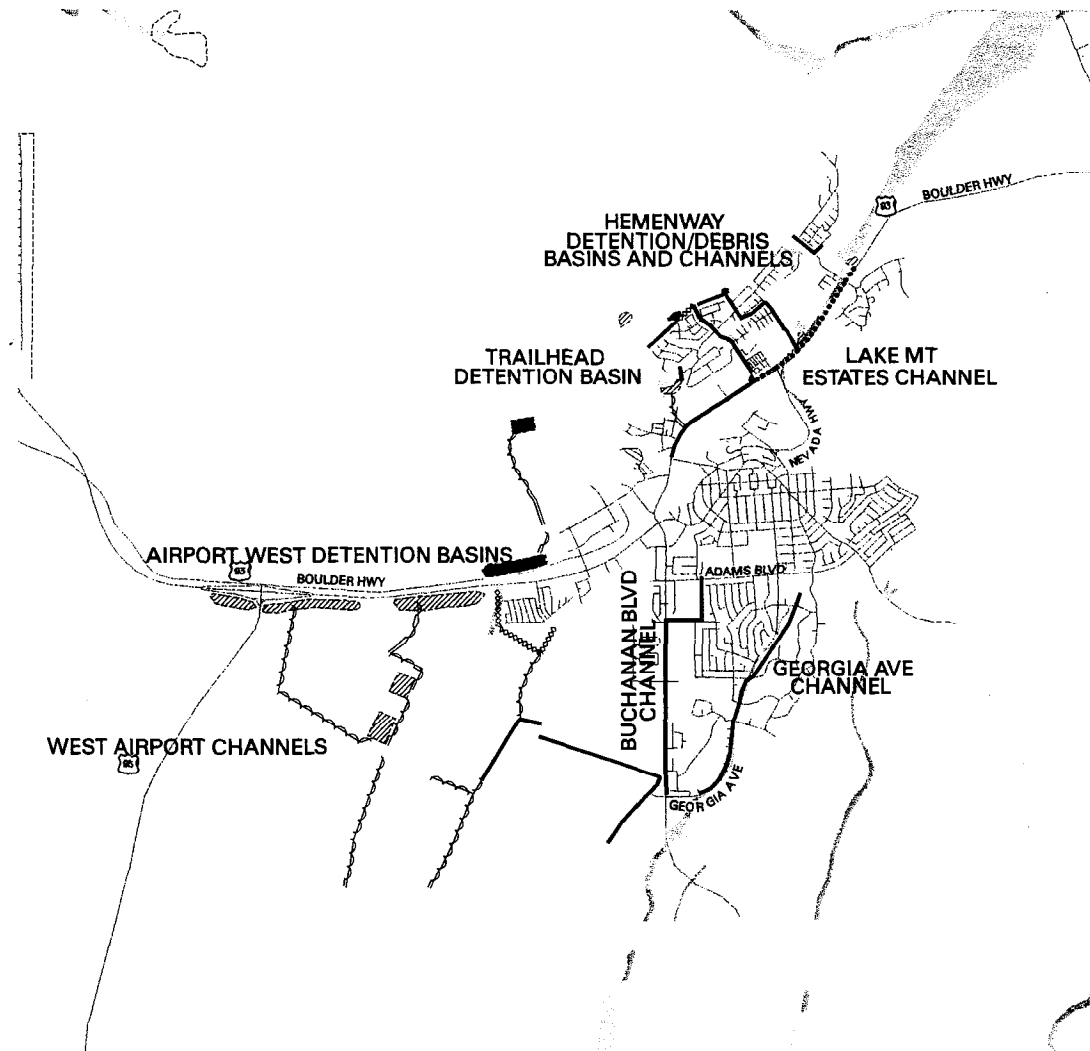
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HEREON.

CLARK COUNTY  
REGIONAL FLOOD CONTROL DISTRICT





# BOULDER CITY PLANNING AREA TEN-YEAR CONSTRUCTION PROGRAM



## LEGEND

CONSTRUCTION	BASE
COMPLETED & UNDER CONST.	
TEN YEAR (FIRST FIVE YRS)	
TEN YEAR (SECOND FIVE YRS)	
PROPOSED	
100-YR FLOOD ZONES	
BULKWAY	

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

NOTE: DASHED FACILITIES ARE  
OUTSIDE OF THE PLANNING AREA

## PLANNING AREA LOCATION KEY



LAS VEGAS METRO AREA

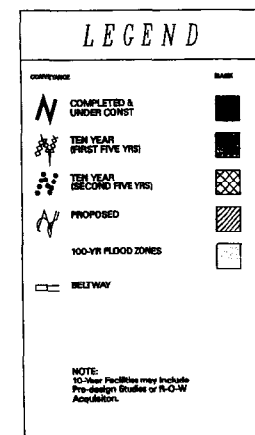
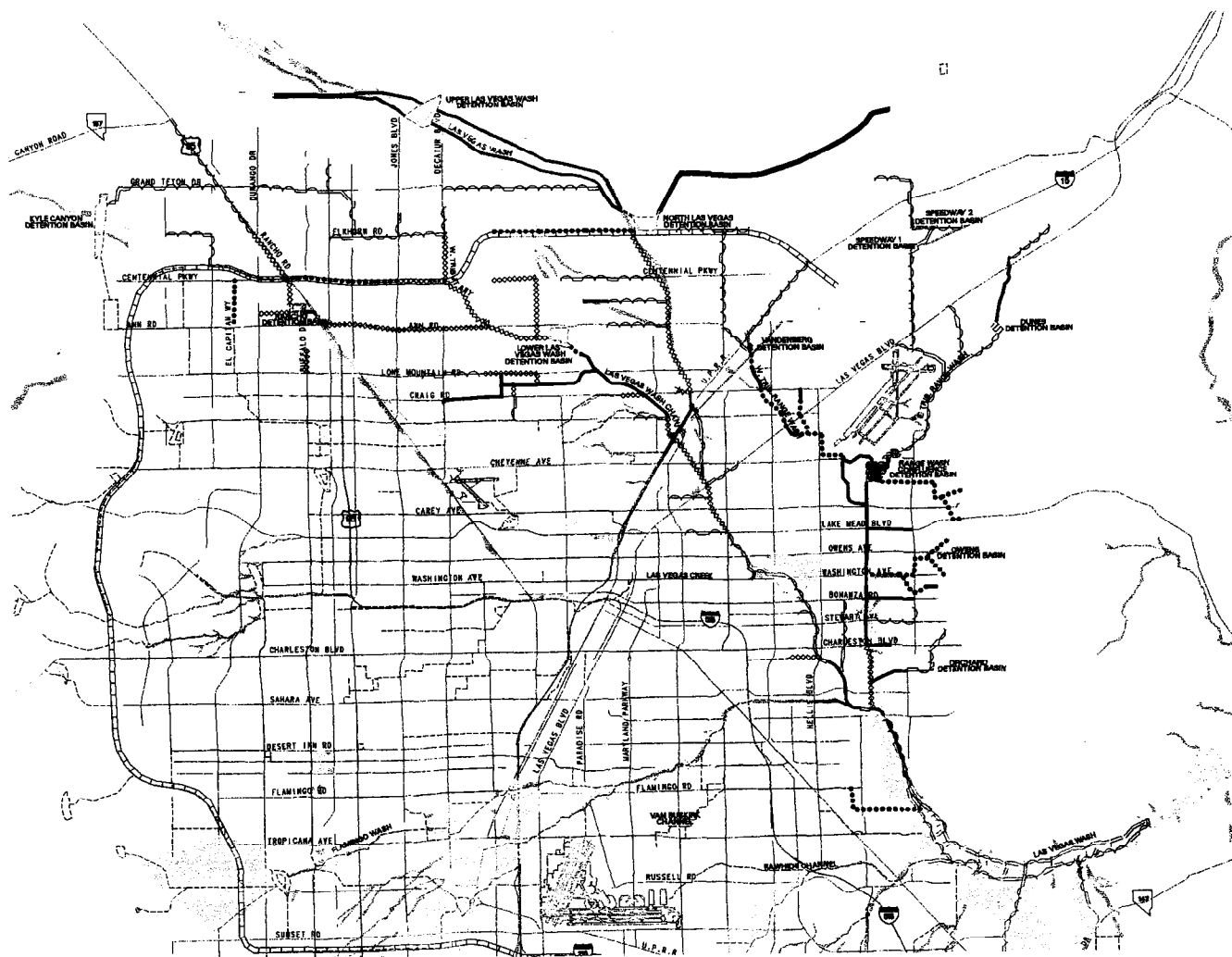
APPROXIMATE SCALE 1:4402

June 1998

REVISED

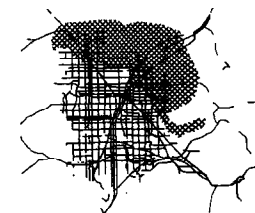
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ACCURACY OF THE DATA DELINEATED  
HEREON.

# NORTHERN LAS VEGAS, RANGE, AND LOWER LAS VEGAS WASH PLANNING AREA TEN-YEAR CONSTRUCTION PROGRAM



NOTE: DASHED FACILITIES ARE OUTSIDE OF THE PLANNING AREA

PLANNING AREA LOCATION KEY



LAS VEGAS METRO AREA

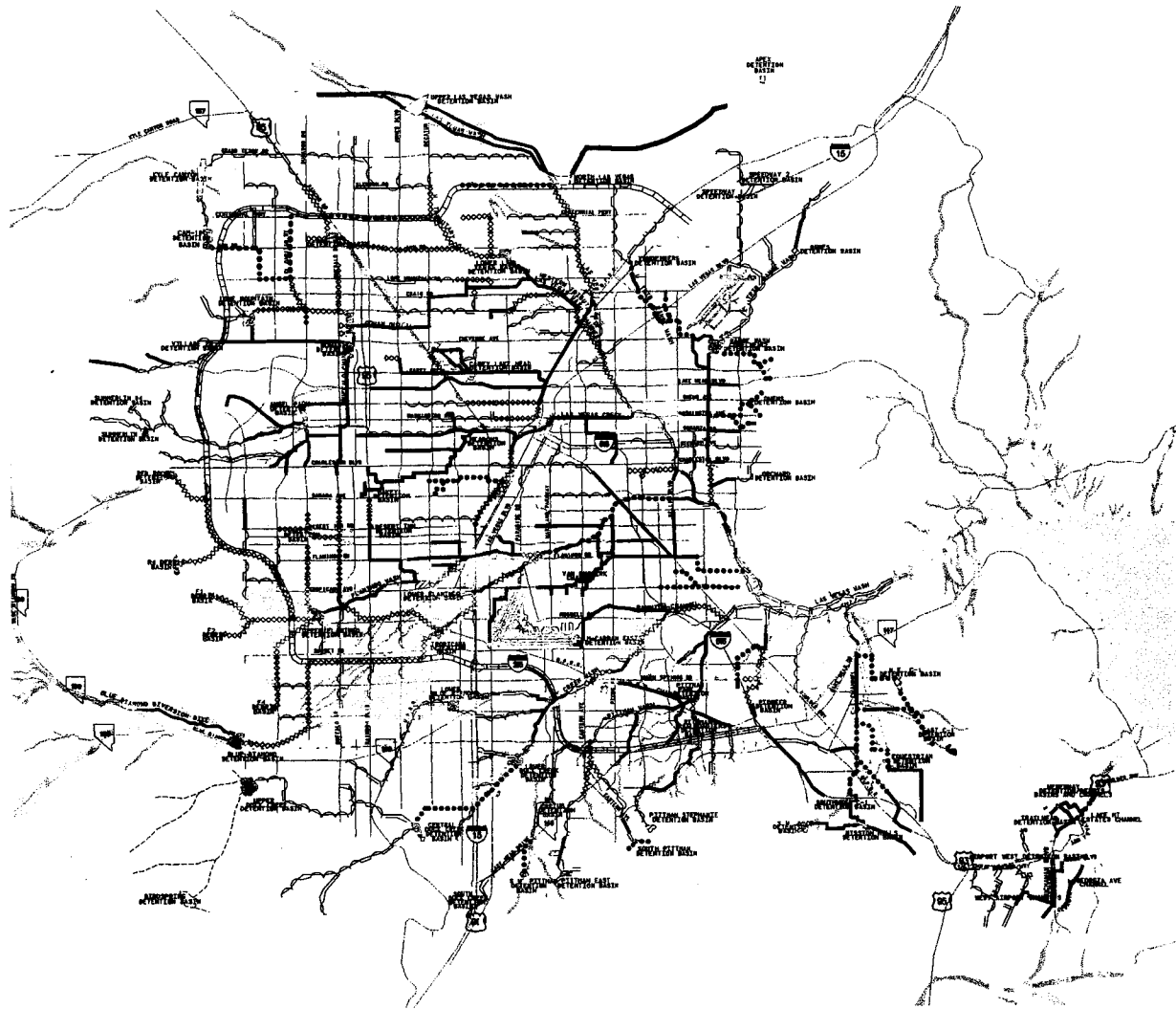
APPROXIMATE SCALE 1:125,000

JUN 1986

REVISIONS

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# LAS VEGAS VALLEY TEN-YEAR CONSTRUCTION PROGRAM



## LEGEND

<p><b>CONSTRUCTION</b></p> <p> COMPLETED &amp; UNDER CONST.</p> <p> TEN YEAR FIRST FIVE YRS</p> <p> TEN YEAR SECOND FIVE YRS</p> <p> PROPOSED</p> <p> 100-YR FLOOD ZONES</p> <p> BELTWAY</p>	<p><b>NOTE:</b> 10-Year Facilities may include Pre-design Studies or R.O.W. Acquisition.</p>
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## PLANNING AREA LOCATION KEY



CLARK COUNTY, NEVADA

APPROXIMATE SCALE 1/20170

June 1988

VALSWICK

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