

# **TEN-YEAR CONSTRUCTION PROGRAM**

## **REGIONAL FLOOD CONTROL DISTRICT**



**FISCAL YEAR 2019  
THROUGH  
FISCAL YEAR 2028**

**STEVEN C. PARRISH, P.E.  
GENERAL MANAGER/CHIEF ENGINEER**

**ADOPTED  
JUNE 14, 2018**

**CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT**

**TEN-YEAR CONSTRUCTION PROGRAM**

**FISCAL YEAR 2019**

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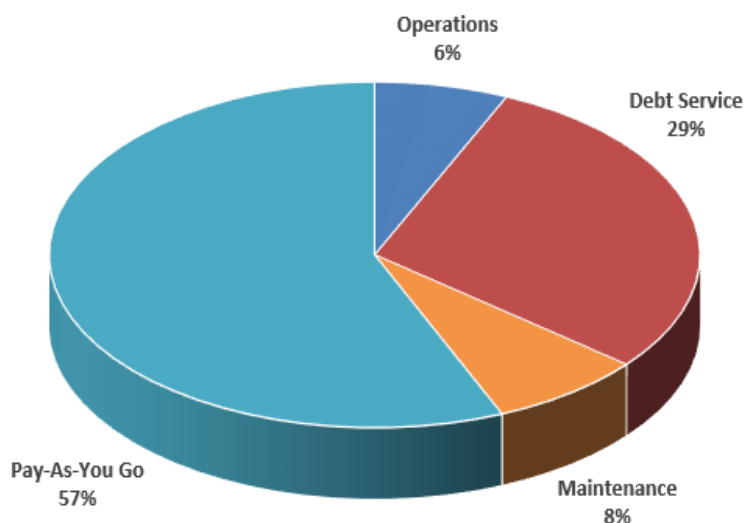
**ADOPTED JUNE 14, 2018**

**Capital Improvement Program**

The District staff maintains a listing of projects proposed for funding in the next ten-year period. The Ten-Year Construction Program (TYCP) is updated annually and is approved by the Board after review by the Technical and Citizens Advisory Committees. In addition to the TYCP, 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. The fiscal year project list, after approval by the Board, constitutes the Capital Improvement Program for the District in the ensuing fiscal year. The fiscal year project list

and the updated TYCP presented in this document were approved on June 14, 2018, for Fiscal Year 2018-19. Board approval of the TYCP and the fiscal year project list does not authorize funding of any project and does not commit the District to expend any funds.

**Historical Annual Expenditure**



The TYCP consumes all revenues that the District receives that are not allocated to Operations (Fund 2860), Debt Service (Fund 3300), or the Maintenance Work Program (Fund 2870). A pie chart representing the historical annual expenditures for a fiscal year is depicted above. The TYCP revenues are derived from the one quarter of one percent of Sales Tax and interest revenues commonly known as the Pay-As-You-Go Program. Sales Tax funds the District's Pay-As-You-Go Program in Fund 4430 and is used to retire debt issued for flood control projects accounted for in Fund 4440. These two funds are used to separate debt funding from Pay-As-You-Go funding in order to accurately account for debt proceeds. Since May 1987, the date the first one quarter of one percent of Sales Tax Revenues were received and projected through the end of December 2018, the District has received nearly \$1.8 billion in Sales Tax Revenues. Additionally, the District has issued \$80,000,000, \$150,000,000, \$200,000,000, \$150,000,000, \$75,000,000 and \$100,000,000 in General Obligation Bonds/Notes, secured by Sales Tax Revenue, which were sold in November 1991, September 1998, September 2003, June 2009, December 2013, and December 2014, respectively, to expedite projects. The District has funded \$1,834,774,839 in projects through May 2018.

**FISCAL YEAR 2019 THROUGH FISCAL YEAR 2028 TYCP**

The TYCP is an estimate of when funding will be requested. Available revenues for the TYCP are estimated to be \$913,426,313. Additionally, \$200,000,000 in bonds are programmed in both fiscal year 2019-20 and fiscal year 2024-25, respectively, to expedite future flood control

## **REGIONAL FLOOD CONTROL DISTRICT – FY 2019 THROUGH FY 2028**

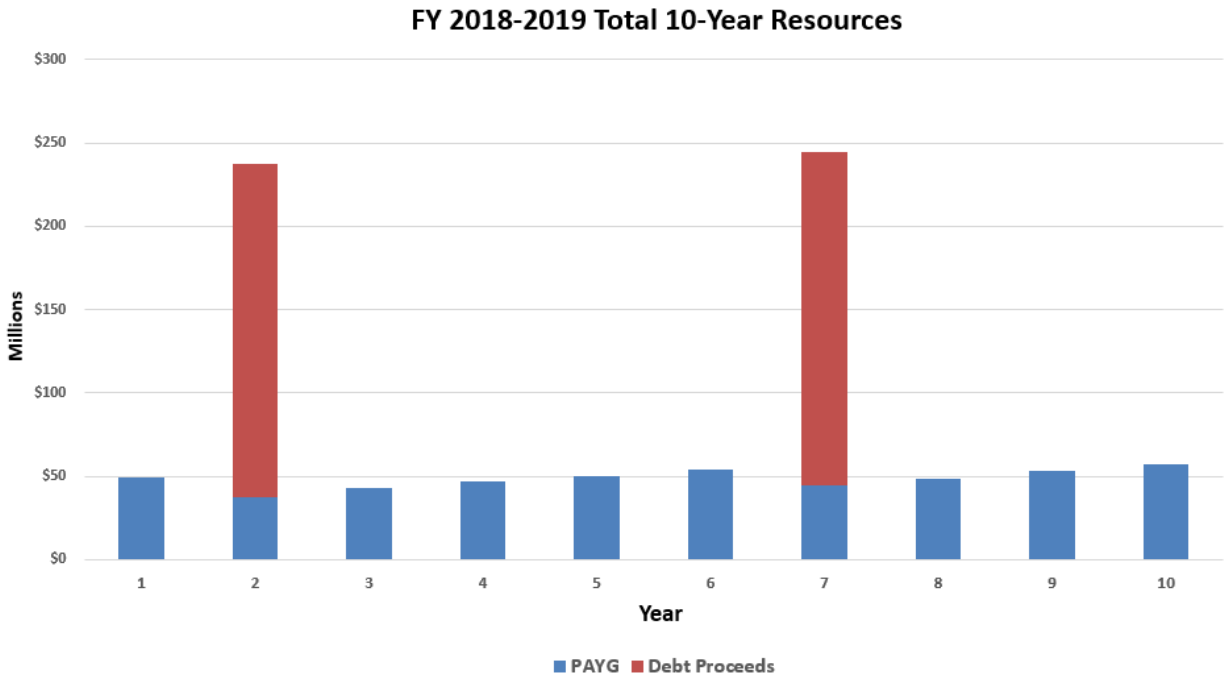
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infrastructure. Programming of debt is not a guarantee that the debt will be issued. The District will evaluate whether to issue the debt based on economic conditions and progress in project development. Sales Tax growth for Year 1 is based on a 3.2% growth rate from prior years' revised estimate (\$102,074,000) and a 3.5% growth rate for Year 2 through Year 10.

The TYCP also includes inflation factors to account for increases in project costs over time. Construction, right-of-way, and design costs are: 3.0% for FY 2018-19 and FY 2019-20 with a 5.0% adjustment factor per year to adjust for escalating costs of construction experienced through the economic recovery, and 3.0% per year for the out years. Funding of projects in the first year of the TYCP is dependent on revenues being received as projected. There is no guarantee that the project will be funded in the year that it is programmed to request funding. A project may be delayed to future years based on actual receipt of revenues and issuance of debt, resulting in adjustments to the entire TYCP.

## REGIONAL FLOOD CONTROL DISTRICT – FY 2019 THROUGH FY 2028

The chart below depicts the total resources projected over the next ten year period from Sales Tax Revenue and future debt issuance that could be used to finance design and construction of flood control facilities.



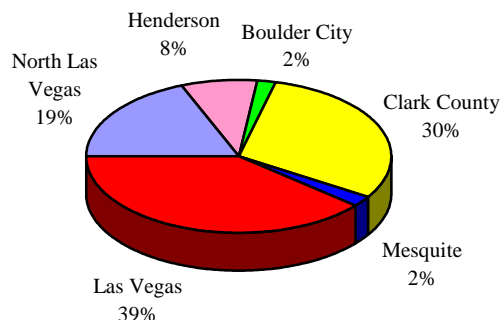
Flood control projects are fairly standard in nature and typically follow a design time of 1-2 years and a construction time of 2-3 years. The minimum level of expenditures for assets to be classified as capital assets for the District is \$5,000 and we comply with all adopted GAAP requirements. The design and construction periods for District projects cross multiple fiscal years and unexpended funding is carried forward. The District's budgeted expenditures for the TYCP tie to the capital outlay budget for each fund. The budgeted resources for the District's capital funds during FY 2018-19 are: \$211,879,331 for Fund 4430 and \$13,504,892 for Fund 4440 which includes previously approved and new projects planned for FY 2018-19.

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 adopted. The most recent are the Master Plan Updates for: the Las Vegas Valley adopted by the Board on September 12, 2013; the City of Boulder City adopted by the Board on July 11, 2013; the Town of Bunkerville and the City of Mesquite adopted by the

Board on December 14, 2017; the Muddy River and Tributary Washes adopted by the Board on May 19, 2016; the Town of Laughlin adopted by the Board on April 10, 2014, and the Outlying Areas of Clark County adopted by the Board on April 10, 2014. The costs of funded projects were derived from the financial reports at the date of adoption of each Master Plan Update. Exhibit A shows the costs of flood control facilities by hydrographic area and the entity to which the area is assigned. The pie chart on this page indicates the 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 an equal rate of implementation of flood control infrastructure within each hydrographic area over time.

### Prorated Share of Funding

Based on Master Plan



In November 2000, the District's Board of Directors approved the implementation of Entity Advance Funding (EAF) for flood control projects that meet the District's criteria for construction funding when funds are not yet available. This allows an entity (City or County) to advance construction funding and advertise and award a construction contract for the project ahead of the scheduled date that the District would have funds available. The Board amended the EAF policies on May 15, 2003 and April 12, 2012. Through an Interlocal Contract, the District and Entity agree to a date that the District will reimburse the entity and a set dollar amount for the project. The EAF process has a \$40 million cap; requires that the project be programmed in the first three (3) years of the TYCP in the amount of the request; and the agreed reimbursement date must not exceed five (5) years from the date the Interlocal Contract is approved. These policies keep future revenues and obligations manageable. Current and future EAF contract funds will be programmed in accordance with the conditions of the contract.

In some cases funds are available from another source to allow a construction project to proceed in advance of the District having funding available. When an alternate source of funding is willing and able to facilitate immediate construction of a project the Board may consider a Resolution of Intent to reimburse the funding source at an agreed upon time and amount. The funds for reimbursement are programmed in accordance with the conditions of the Resolution.

## REGIONAL FLOOD CONTROL DISTRICT – FY 2019 THROUGH FY 2028

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### Maintenance Work Program

The Board has adopted an Operations and Maintenance Program to provide funding of, and establish performance standards and guidelines for, the maintenance of flood control facilities located in the District's service area. The Program provides funding for entities to maintain flood control facilities within their respective jurisdictions to assure that facilities included in the Master Plan are maintained in a manner that maximizes their useful life and ensures their operation at design capacity during a storm event.

Subsequently, the District worked with the entities to develop the Maintenance Work Program (MWP) to be consistent with the requirements outlined in the Operations and Maintenance Manual. Work is performed using a combination of private contractors and entity maintenance staff. Approximately 619 miles of channel and underground storm drains, of which 127 miles are natural washes, are inspected and/or maintained throughout Clark County, along with 93 detention basins.

Projected Maintenance Work Program funding for the TYCP period is depicted in the following chart:

<b>Fiscal Year</b>	<b>Factor</b>	<b>TYCP MWP Funding Projection</b>	
2019	Approved Budget	\$	12,000,000
2020	-16.7%	\$	10,000,000
2021	0.0%	\$	10,000,000
2022	0.0%	\$	10,000,000
2023	0.0%	\$	10,000,000
2024	0.0%	\$	10,000,000
2025	0.0%	\$	10,000,000
2026	0.0%	\$	10,000,000
2027	0.0%	\$	10,000,000
2028	0.0%	\$	10,000,000
<b>Total estimated maintenance over 10 years</b>		<b>\$</b>	<b>\$102,000,000</b>

### **Local Drainage Program**

During the 2001 Nevada Legislative Session, the District proposed several changes to NRS 543 – Control of Floods. Senate Bill 267 passed during the session and amended NRS 543 to allow the District to implement a Local Drainage Program. On November 8, 2001, the Board of Directors adopted amendments to the District’s Policies and Procedures Manual, which included a definition of a local drainage project and set the procedures for entities minimum eligibility requirements; established funding guidelines for local drainage projects; and identified project initiation procedures.

During the seventeenth year of this program, the District has budgeted \$2,000,000 for Local Drainage projects. Projected Local Drainage Program funding for the TYCP is depicted in the chart on the next page.

In FY 2014, the District funded in the City of Las Vegas, Buckskin Avenue Storm Drain (estimated completion date of December 2019).

In FY 2015, there were no requests for funding for the Local Drainage Program.

In FY 2016, the District funded in the City of North Las Vegas, Oak Island Storm Drain (estimated completion date of July 2020).

In FY 2017, there were no requests for funding for the Local Drainage Program.

In FY 2018, the District funded in Clark County, Katie Avenue Storm Drain (estimated completion date of September 2018).



## REGIONAL FLOOD CONTROL DISTRICT – FY 2019 THROUGH FY 2028

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Projected Local Drainage Program funding for the TYCP period is depicted in the following chart:

Fiscal year	Factor	TYCP Local Drainage Budget Projection	
2019	Approved Budget	\$	2,000,000
2020	-0.46%	\$	1,089,855
2021	0.04%	\$	1,128,000
2022	0.04%	\$	1,167,480
2023	0.04%	\$	1,208,342
2024	0.04%	\$	1,250,634
2025	0.04%	\$	1,294,406
2026	0.04%	\$	1,339,710
2027	0.04%	\$	1,386,600
2028	0.04%	\$	1,435,131
<b>Total estimated local drainage over 10 years</b>		<b>\$</b>	<b>13,300,158</b>

The TYCP presented in this document represents the District's and Entities work plan for the coming years.

<b>Project Prioritization</b>
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Annually, during review and development of the TYCP, 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 TYCP. The criteria used in the evaluation of projects as prescribed in the District Policies and Procedures Section II.B.3 is presented below. Items a) through d) recognize life safety issues and are weighted accordingly in this regard:

- a) **Population Affected**  
Refers to the existing population affected by the construction of the project considered. Impact includes reducing flood hazards.
- b) **Assessed Land Value Impacted**  
Assessed land values for developed and undeveloped land affected by the project, including all structures (public, commercial, or residential) will be reviewed. Impact on land values related to a reduction of the floodplain area will be considered under this item.
- c) **Public Perception of Need**  
The project will be evaluated in terms of satisfying the public's desire to see their money spent on "worthwhile" projects and the public's perception of need.
- d) **Emergency Access and Public Inconvenience**  
The project will be evaluated to determine its impact on the access of emergency vehicles including police, ambulance, and fire vehicles to their respective substation, hospital, or station. The evaluation will include an assessment of the project's contribution to the development of an all-weather transportation system and accessibility to flood isolated residences, businesses, and public facilities.
- e) **Cost Avoidance**  
Cost avoidance includes projects which will reduce future costs, including potential damage, construction of oversized facilities, and the ability to construct. This item should also address other costs associated with lost opportunity and the risk associated with inadequate or undersized facilities.
- f) **Availability of Other Funding Sources**  
This includes an evaluation of the potential for funds from grants, developers, the Corps of Engineers, and other public and private interests. Additional funding sources shall include but are not limited to land donated by private developers and the Bureau of Land Management.

g) **Interrelationship to Other Projects**

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

h) **Timing and Implementation**

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

i) **Environmental Enhancement**

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

j) **Annual Maintenance Cost**

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

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.

<b>Ten-Year Construction Program</b>
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The proposed TYCP totals \$870,582,936 and is presented as Exhibit C. The estimated cost of facilities presented in the Master Plans for all of Clark County is \$1,811,450,265. Therefore, this TYCP constitutes approximately 48% of total Master Plan facility costs. The TYCP project locations are shown on the attached maps. A summary of the proposed program, along with major accomplishments for each entity follows.

**HENDERSON**

Pittman Wash Planning Area  
and  
C-1 Channel Planning Area

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 Area.” Henderson projects completed or funded for construction since 1987 include:

**Appaloosa Storm Drain**, Local Drainage Project

**Black Mountain (Southwest C-1) Detention Basin**  
Located at the base of Black Mountain

**Blackridge Road Storm Drain System**, Local Drainage Project

**Boulder Highway Channel**

**Bridges over Pittman Wash**  
At Warm Springs Road, Stephanie Street, and Green Valley Parkway

**C-1 Channel, Middle Reach**

**C-1 Channel/Middle & Upper Reaches, Phase I (Burkholder Boulevard to Boulder Highway)**

**C-1 Channel, Upper & Middle Reaches – Vermillion Drive to Boulder Highway**

**C-1 Channel, US-95 Tributary 1**

**C-1 Equestrian Tributary**

**Center Street Storm Drain**

**Duck Creek, Sunset to Sandhill**

**Gibson Channel Culvert at Sunset Road**

***Henderson (continued)***

**Gibson Conveyance System**

**East C-1 Detention Basin**

Situated in a narrow canyon within the River Mountains funded and constructed by the Southern Nevada Water Authority

**Equestrian Detention Basin and Collection Channel**

**Equestrian Detention Basin Expansion**

**Equestrian Detention Basin Outfall – Heritage Channel**

**Equestrian Tributary, Phase II**

**Horizon Ridge Detention Basin**

**Mission Hills Detention Basin and C-1 Channel**

From Lake Mead Drive to Burkholder Boulevard

**Mission Hills Western Interceptor**

From Pacific Avenue to the Mission Hills Detention Basin

**McCullough Hills Detention Basin**

Designed by the Del Webb Corporation as a joint use recreation facility as part of their Anthem project

**Northeast Detention Basin, Levee and Outfall**

**Palm Hills Channel**

**Pioneer Detention Basin**

**Pioneer Detention Basin Expansion and Inflow**

**Pioneer Detention Basin/Outfall, Phase I**

From Warm Springs Road to Sunset

**Pittman Eastern Detention Basin**

**Pittman North Detention Basin and Outfall, Phase 1**

**Pittman North Detention Basin and Outfall, Phase 2 – Starr Avenue**

***Henderson (continued)***

**Pittman North Detention Basin and Outfall, Phase III**

**Pittman Park Detention Basin**

A joint use recreation facility

**Pittman Park Peaking Basin Modification**

**Pittman Pecos West Conveyance and Eastern Avenue Tributary**

**Pittman Railroad East Conveyance**

**Pittman Railroad, MacDonald Ranch Channel**

**Pittman Wash**

From I-515 to Santiago Road: Phase I, II, and IIIA

**Pittman Wash – Burns**

**Pittman Wash, Duck Creek at I-515**

**Pittman Wash – Gibson**

**Pittman Wash Railroad Channel (Phase I)**

**Pittman Wash Railroad Channel, US-95 to Major Avenue**

**Pittman Wash, UPRR to Santiago**

**Racetrack Channel – Drake to Burkholder**

**Union Pacific Railroad Channel**

From Pittman Wash to Eastern Avenue

District funding since 1987 for the projects plus design efforts on future projects total approximately \$221,001,554.

## **REGIONAL FLOOD CONTROL DISTRICT – FY 2019 THROUGH FY 2028**

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The projects proposed on the TYCP in hydrographic basin order with Priority Value (PV) include the following:

**Pittman Burns – Galleria to Boulder Highway (PV = 77.0)**

**PTSU 0023, 0034** – This project consists of a concrete channel and dual 10' x 8' reinforced concrete box culvert that will collect storm flows at the intersection of Sunset Road and Boulder Highway and convey them to the existing Weisner Channel near Burns Road and Galleria Drive. Design and Right-of-Way acquisition are programmed in FY 25/26. The TYCP includes approximately \$0.40 million for this project.

**Pittman Beltway – Anthem Parkway Channel – Horizon Ridge to Sienna Heights (PV = 99.0)**

**PTAP 0018** – This project consists of a concrete channel from Horizon Ridge Parkway to Sienna Heights Drive. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$0.90 million for this project.

**Pittman Beltway – Pittman North Detention Basin Outfall – St. Rose to Spencer (PV = 78.5)**

**PTNO 0000, 0073** – This project consists of a reinforced concrete box culvert ranging in size from 6' x 5' to 8' x 5' located parallel to St. Rose Parkway from Executive Airport Drive to Spencer Street. Design and Right-of-Way Acquisition are programmed in FY 25/26. The TYCP includes approximately \$2.9 million for this project.

**Pittman Beltway – Pittman East Detention Basin Stormwater Quality Retrofit (PV = 90.5)**

**PTEA 0439** – This project consists of retrofitting the existing Pittman East Detention Basin to install stormwater quality improvements. Design is programmed in FY 19/20 and construction funding is programmed in FY 20/21. The TYCP includes approximately \$0.60 million for this project.

**Lower Pittman – Whitney Wash Channel (PV = 91.5)**

**WWDC 0001 through 0070** – This project consists of increasing the conveyance capacity of the Whitney Wash Channel between the Pittman Wash – Duck Creek Channel and the Whitney Mesa Estates Channel (WWDC 0084). The existing trapezoidal concrete channel will be replaced with a larger rectangular concrete channel between the Pittman Wash – Duck Creek Channel and Whitney Ranch Drive and an 18'x5' reinforced concrete box culvert between Whitney Ranch Drive and the Whitney Mesa Estates Channel. A 20' x 6' reinforced concrete box culvert is proposed under Whitney Ranch Drive and an 18' x 5' reinforced concrete box culvert under Galleria Drive. Design is programmed in FY 18/19 and construction funding is programmed in FY 20/21. The TYCP includes approximately \$8.4 million for this project.

**Lower Pittman – Pittman Wash, Eastern to Pecos (PV = 77.0)**

**PTWA 0346 through 0486** – This project consists of concrete channel improvements, extending from Eastern Avenue to Topaz Street, south of Pebble Road; bank stabilized channel between Topaz Street and Pecos Road, and four (4) 10' x 5' reinforced concrete box culverts under Wigwam Parkway. Design is programmed in FY 25/26. The TYCP includes approximately \$1.2 million for this project.

***Henderson (continued)***

**Pittman Pabco – Warm Springs Road to Lake Mead Parkway (Boulder Highway) (PV = 77.0)**  
**PTPA 0261 through 0325** – This project consists of reinforced concrete box ranging from 8' x 5' to 10' x 5' along Boulder Highway from Lake Mead Parkway to Warm Springs Road and dual 6' x 4' reinforced concrete box culverts under Boulder Highway. Design is programmed in FY 25/26. The TYCP includes approximately \$0.80 million for this project.

**Upper Pittman – Pittman North Detention Basin to Larson Lane (PV = 85.0)**  
**PTSD 0000 through 0043** – This project consists of 25' x 8' and 25' x 7' reinforced concrete box culverts and concrete channel improvements in Bermuda Road extending from Larson Lane to the Pittman North Detention Basin. Design and Right-of-Way Acquisition are programmed in FY 21/22. Construction funding is programmed in FY 24/25. The TYCP includes approximately \$5.4 million for this project.

**Upper Pittman – Pittman, Larson Lane – Las Vegas Blvd. to Bermuda Road (PV = 84.5)**  
**PTLA 0000 through 0126** – This project consists of a 12' x 4' reinforced concrete box culvert and concrete channel improvements along Larson Lane from Las Vegas Boulevard to Bermuda Road. Design and Right-of-Way Acquisition are programmed in FY 23/24. Construction funding is programmed in FY 26/27. The TYCP includes approximately \$10.5 million for this project.

**C-1 – Cadiz Storm Drain – Racetrack to Pueblo (PV = 87.0)**  
**C1CA 0000** – This project consists of a 84" reinforced concrete pipe in Cadiz Avenue from Racetrack Road to an existing concrete channel on the west side of Pueblo Boulevard. Design and Right-of-Way Acquisition are programmed in FY 19/20. Construction funding is programmed in FY 22/23. The TYCP includes approximately \$3.5 million for this project.

**C-1 – Four Kids Wash – Lake Mead to Eagle Rock Road (PV = 81.0)**  
**C1FK 0040** – This project consists of concrete channel improvements extending northwest from four (4) existing 6' x 3' reinforced concrete box culverts under Lake Mead Parkway to an existing 12' x 4' reinforced concrete box culvert under Eagle Rock Street. Design is programmed in FY 23/24 and construction funding is programmed in FY 26/27. The TYCP includes approximately \$1.0 million for this project.

**C-1 – C-1 Channel, SNWA Drop Structure to Lake Mead (PV = 86.5)**  
**C1CH 0161, 0173 and 0204** – This project consists of open channel improvements for the C-1 Channel from Lake Mead Parkway to the existing SNWA drop structure. Design and Right-of-Way Acquisition are programmed in FY 20/21. Construction funding is programmed in FY 23/24. The TYCP includes approximately \$6.2 million for this project.



***Henderson (continued)***

**C-1 – Burkholder to Warm Springs (Lake Mead Parkway) (PV = 83.0)**

**CILM 0141, 0144, 0156, 0158, 0182 and 0184** – This project consists of concrete channel improvements on the east side Lake Mead Parkway from Warm Springs Road to Burkholder Boulevard and a 10' x 5' reinforced concrete box culvert under Lake Mead Parkway connecting to the existing downstream concrete channel. Design and Right-of-Way Acquisition are programmed in FY 22/23. Construction funding is programmed in FY 25/26. The TYCP includes approximately \$3.2 million for this project.

The funding programmed for the C-1 Channel and Pittman Wash Planning Areas in Henderson totals approximately \$45 million on the TYCP.

**LAS VEGAS**

Upper Northern Las Vegas Wash Planning Area  
Gowan Planning Area and  
Central Basin Planning Area

Projects being undertaken within these planning areas are being administered by either Las Vegas, North Las Vegas, or Clark County. A summary of the proposed program, along with major accomplishments for the City of Las Vegas is shown on the attached map labeled “Gowan, Central, and Upper Northern Basins Planning Area”. City of Las Vegas projects completed or funded for construction since 1987 include:

**Alta Parallel System**

**Alta Storm Drain**

Part of the Meadows Detention Basin Collection System

**Angel Park Detention Basin Expansion**

**Angel Park Outfall Storm Drain**

Vegas Drive between Angel Park Detention Basin and the Buffalo Channel

**Ann Road Channel West – Rainbow Boulevard**

**Ann Road Detention Basin Facilities**

**Brent Drainage System – Floyd Lamb Park to Durango Drive**

**Bruce Street Storm Drain, Local Drainage Project**

**Buckskin Avenue Storm Drain, Local Drainage Project**

**Buffalo Channel**

Between Gowan Detention Basin and Doe Avenue

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

Located along Lake Mead Boulevard between I-15 and Michael Way

**Centennial Parkway Channel West – CC 215, Pioneer Way to US 95**

**Centennial Parkway Channel West – US95, CC215 to Grand Teton and US95 Crossing at Kyle Canyon Road**

**Centennial Parkway Channel West – US95 Crossing**

Designed and will be constructed by NDOT as part of their US 95 Widening Project

***Las Vegas (continued)***

**Cheyenne Channel**

Gowan South Detention Basin to Buffalo Drive

**Cheyenne Crossings**

Developer participation project at Rampart, Soft Breezes, and Soaring Gulls

**Colorado Avenue System**

Clark County is the Lead Entity

**Crystal Water Way, Lake South Drive to Desert Inn Road, Local Drainage Project**

**Durango Drive Storm Drain**

Between Charleston Boulevard and Angel Park Detention Basin

**Elkhorn Springs & Buffalo Storm Drain**

**Freeway Channel – Charleston Lateral**

**Freeway Channel – Washington, MLK to Rancho Drive**

**Gilmore Avenue – Decatur Boulevard to Thom Boulevard Storm Drain, Local Drainage Project**

**Gowan Detention Basins**

The North and South Detention Basins are joint use recreation facilities

**Gowan Detention Basin Outfall**

- Storm drain located in Gowan Road between Tenaya Way and Decatur Boulevard
- Decatur Boulevard to the Western Tributary of the Las Vegas Wash – City of North Las Vegas is the Lead Entity

**Gowan Lone Mountain System – Branch 4**

**Gowan/Lone Mountain System – Gilmore Channel**

**Gowan Lone Mountain System – Cliff Shadows Park**

**Gowan North – Buffalo Branch**

**Gowan North – Buffalo Branch (Cheyenne Avenue to Lone Mountain Road)**

**Gowan North – Buffalo Branch (Gowan Road and Buckskin Avenue)**

***Las Vegas (continued)***

**Gowan North – Buffalo Branch, Lone Mountain to Washburn Road**

**Gowan North Channel, El Capitan Way to the Beltway**

**Gowan North – El Capitan Branch, Lone Mountain to Ann Road**

**Gowan North Channel – Phases I & II**

Northern Gowan Detention Basin to Durango including the Durango Branch

**Gowan North System – Phase III: Alexander Road to Lone Mountain Road**

**Gowan Outfall, Craig Road to Channel**

North Las Vegas is the Lead Entity

**Gowan Outfall – Lone Mountain Branch, Decatur Boulevard to Channel**

**Gowan Outfall, Lone Mountain Branch (Ferrell Street to Kenny Way)**

**Gowan Outfall – Lone Mountain Branch (Rancho Drive to Decatur Boulevard)**

**Grand Teton – Hualapai to Tee Pee**

**Grand Teton Overpass – Storm Drain**

**Holmby Channel, Local Drainage Project**

**Horse Drive Interchange**

**I-15 Freeway Channel**

Portion constructed as part of the Nevada Department of Transportation (NDOT) I-15/Sahara Avenue Interchange project in 1995. The Freeway Channel System, Alta Drive to Sahara Avenue and Bypass Facilities (from Wall Street to Sahara Avenue) were completed in August 2002.

**Jay Avenue Improvements, Local Drainage Project**

**Jones Boulevard – Alta to Borden Storm Drain, Local Drainage Project**

**Langtry Channel – Bonanza Road to Washington Avenue**

**Las Vegas Creek Channel, Parallel System at Decatur Boulevard**

**Las Vegas Creek Channel, Parallel System**

***Las Vegas (continued)***

**Las Vegas Wash – Decatur Boulevard (Elkhorn Road to Farm Road)**

**Las Vegas Wash – Decatur & Elkhorn, CC 215**

**Las Vegas Wash – Elkhorn Road, Rainbow Boulevard to Torrey Pines Drive**

**Las Vegas Wash – Grand Teton, Mountain Spa to Durango Drive**

**Las Vegas Wash – Jones Boulevard, Elkhorn Road to Farm Road**

**Las Vegas Wash – Rainbow (Elkhorn Road to Grand Teton Drive)**

**Las Vegas Wash, Rancho Drive System (Carey/Lake Mead Detention Basin to Peak Drive)**

**Las Vegas Wash – Smoke Ranch System (Peak Drive: Torrey Pines Drive – Jones Boulevard)**

**Lexington Street Storm Drain, Local Drainage Project**  
Formerly known as Concord Street Storm Drain

**Lone Mountain Detention Basin**  
Right-of-Way Acquisition, Environmental Mitigation, and Construction Engineering

**Lone Mountain System – Lone Mountain Detention Basin Outfall to Durango Drive**

**Meadows Detention Basin and Collection System**

**Meadows Detention Basin Expansion**

**North & South Environmental Enhancement Areas – Floyd Lamb Park**

**Oakey Boulevard Detention Basin and Outfall**

**Oakey Boulevard & Tenaya Way Storm Drain, Local Drainage Project**

**Oakey Drain, Birch Street to Cahlan Drive**

**Oakey Drain – Cahlan to Barnard**

**Oakey – Meadows Storm Drain, Phase I**

**Oakey Meadows Storm Drain – Phase II**

***Las Vegas (continued)***

**Oakey – Meadows Storm Drain, Phase III**

**Owens Avenue System (Rancho Drive to I-15)**

**Peak Drive, Rainbow Boulevard to Torrey Pines Drive, Local Drainage Project**

**Peak Drive System (Jones Boulevard to Michael Way)**

**Rampart Storm Drain**

Project in conjunction with the Regional Transportation Commission of Southern Nevada (RTC)

**Rancho Detention Basin, Phase II**

**Rancho Road System: Durango Drive US-95 Interchange**

**Rancho Road System – El Campo Grande Storm Drain**

**Rancho Road System – Elkhorn, Fort Apache to Grand Canyon**

**Rancho System – Beltway to Elkhorn**

**Rancho Road System – Elkhorn, Grand Canyon to Hualapai**

**Vegas Drive Storm Drain – Rancho to Shadow Mountain**

**Washington Avenue System**

Las Vegas Creek from Las Vegas Wash beneath Sandhill Road to Washington Avenue then along Washington Avenue to Sagman Street; Sagman Street to Bonanza Road; Bonanza Road to Veterans Memorial Drive; Veterans Memorial Drive to UPRR; and UPRR to Alta Drive (southeast quadrant of the Spaghetti Bowl).

**Washington Avenue System (Martin Luther King Boulevard to I-15) and Freeway Channel North (Washington Avenue to Vegas Drive)**

District funding since 1987 for the projects plus design efforts on future projects totals approximately \$673,624,517.

The projects proposed on the TYCP in hydrographic basin order with Priority Value (PV) include the following:

**Central – Freeway Channel – Washington, Valley View Boulevard to Decatur Boulevard (PV = 76.0)**

**LV15 0602** – This project consists of dual 66” diameter reinforced concrete pipes in Washington Avenue extending from Michael Way to just west of Valley View Boulevard. Design is programmed in FY 23/24 and construction funding is programmed in FY 26/27. The TYCP includes approximately \$9.6 million for this project.

**Central – Freeway Channel – Washington, Rancho Drive to Valley View Boulevard (PV = 87.0)**

**LV15 0528** – This project consists of an 8’ x 7’ reinforced concrete box culvert in Washington Avenue extending from just west of Valley View Boulevard to Rancho Drive. Design is programmed in FY 19/20 and construction funding is programmed in FY 22/23. The TYCP includes approximately \$9.0 million for this project.

**Central – Las Vegas Wash – Stewart to Bonanza (PV = 86.0)**

**LVMD 1121 and 1149** – This project consists of 70’ to 90’ wide by 10’ to 10.5’ deep open channel improvements within the Las Vegas Wash, extending from Bonanza Road to Stewart Avenue. Design is underway. Construction funding is programmed in FY 21/22. The TYCP includes approximately \$6.2 million for this project.

**Central – Meadows – Charleston, Essex to Lindell (PV = 81.5)**

**MECN 0000, 0061** – This project consists of an 8’ x 7’ and 9’ x 8’ reinforced concrete box culvert in Charleston Avenue extending from Lindell Road to Essex Drive. Design is programmed in FY 21/22 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$11.0 million for this project.

**Central – Meadows – Charleston, Lindell to Rainbow (PV = 79.0)**

**MECN 0123, 0223** – This project consists of a 6’ x 5’ and 8’ x 6’ reinforced concrete box culvert in Charleston Avenue extending from Rainbow Boulevard to Lindell Road. Design is programmed in FY 22/23 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$14.7 million for this project.

**Central – Cedar Avenue Channel Improvements (PV = 85.5)**

**CACN 0001, 0035 and CNST 0000** – This project consists of a 6’ x 6’ and 10’ x 9’ reinforced concrete box culvert in Pecos Road extending from approximately 700 feet south of Stewart Avenue to the Cedar Avenue Channel, and an 8’ x 7’ reinforced concrete box culvert in Stewart Avenue from Mojave Road to Pecos Road. Design is underway. Construction funding is programmed in FY 21/22. The TYCP includes approximately \$9.4 million for this project.

***Las Vegas (continued)***

**Central – Owens Avenue East – Las Vegas Wash to Mojave Road (PV = 83.5)**

**LVOE 0000** – This project consists of a 15' x 12' reinforced concrete box culvert in Owens Avenue from Mojave Road to Las Vegas Wash. Design is programmed in FY 21/22 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$19.3 million for this project.

**Central – Owens Avenue East – Mojave Road to Eastern Avenue (PV = 81.5)**

**LVOE 0085** – This project consists of a 13' x 12' reinforced concrete box culvert in Owens Avenue from Eastern Avenue to Mojave Road. Design is programmed in FY 22/23 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$9.6 million for this project.

**Central – Boulder Highway Sahara Avenue – Eastern to Boulder Highway (PV = 78.0)**

**BHSA 0000, 0026** – This project consists of a 14' x 11' and 14' x 10' reinforced concrete box culvert in Sahara Avenue from Eastern Avenue to Boulder Highway. Design is programmed in FY 23/24 and construction funding is programmed in FY 26/27. The TYCP includes approximately \$21.0 million for this project.

**Central – Sahara Avenue – Eastern Lateral (PV = 76.0)**

**SAEA 0000** – This project consists of a 10' x 8' reinforced concrete box culvert in Eastern Avenue from St. Louis Avenue to Sahara Avenue. Design is programmed in FY 25/26. The TYCP includes approximately \$0.30 million for this project.

**Central – Boulder Highway Sahara Avenue – Maryland to Eastern (PV = 75.0)**

**BHSA 0075** – This project consists of a 12' x 11' reinforced concrete box culvert in Sahara Avenue from Maryland Parkway to Eastern Avenue. Design is programmed in FY 24/25 and construction funding is programmed in FY 27/28. The TYCP includes approximately \$19.8 million for this project.

**Central – Boulder Highway Sahara Avenue – LV Blvd to Maryland Parkway (PV = 75.0)**

**BHSA 0175** – This project consists of a 14' x 14' reinforced concrete box culvert in Sahara Avenue from Las Vegas Boulevard to Maryland Parkway. Design is programmed in FY 24/25 and construction funding is programmed in FY 27/28. The TYCP includes approximately \$28.2 million for this project.

**Central – Flamingo – Boulder Highway North, Charleston – Main to Maryland (PV = 87.5)**

**FLBN 0281, 0312** – This project consists of a reinforced concrete box ranging in size from 7' x 4' to 10' x 7' in Charleston Boulevard from Main Street to Maryland Parkway. Design is underway. Construction funding is programmed in FY 20/21. The TYCP includes \$4.9 million for this project.



***Las Vegas (continued)***

**Central – Flamingo – Boulder Highway North – Boulder Highway, Sahara to Charleston (PV = 90.0)**

**FLBN 0038** – This project consists of a 15' x 10' reinforced concrete box culvert in Boulder Highway from Charleston Boulevard to Sahara Avenue. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes \$19.7 million for this project.

**Central – Flamingo – Boulder Highway North, Charleston – Boulder Highway to Maryland Parkway and Maryland Parkway System (PV = 89.0)**

**FLBN 0167, 0180, 0205 & FLMP 0000** – This project consists of an 8' x 6' reinforced concrete box in Maryland Parkway from Stewart Avenue to Charleston Boulevard and 10' x 6' to dual 10' x 6' reinforced concrete boxes in Charleston Boulevard from Maryland Parkway to Boulder Highway. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes \$25.7 million for this project.

**Central – Las Vegas Wash – Bonanza – Las Vegas Wash to Lamb Boulevard (PV = 84.0)**

**LVBZ 0000** – This project consists of a dual 12' x 7' reinforced concrete box culvert in Bonanza Road from Lamb Boulevard to Las Vegas Wash. Design is programmed in FY 20/21 and construction funding is programmed in FY 23/24. The TYCP includes approximately \$13.3 million for this project.

**Gowan – Gowan Box Canyon – Lone Mountain Road (PV = 90.0)**

**GOBX 0015** – This project consists of approximately 1.25 miles of 66" reinforced concrete pipe storm drain within Lone Mountain Road between the Box Canyon and Lone Mountain Beltway Detention Basins. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$5.5 million for this project.

**Gowan – Gowan Outfall – Alexander Rd., Decatur Blvd. to Simmons Street (PV = 90.0)**

**GOOF 0275, 0285, 0325, 0375** – This project consists of a reinforced concrete box culvert ranging in size from dual 12' x 8' and dual 14' x 8' to side by side 16' x 8' and 14' x 6' in Alexander Road from Decatur Boulevard to Simmons Street. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$32.0 million for this project.

**Gowan – Gowan Outfall – Clayton Branch (PV = 79.5)**

**GOCL 0000** – This project consists of 9' x 8' reinforced concrete box culvert in Clayton Street from Gowan Outfall Channel to Washburn Road and in Washburn Road from Clayton Street to Simmons Street. Design is programmed in FY 23/24 and construction funding is programmed in FY 26/27. The TYCP includes approximately \$17.8 million for this project.

***Las Vegas (continued)***

**Gowan – Gowan Outfall – El Capitan Branch, Ann Road to Centennial (PV = 87.0)**

**GOEC 0100 through 0176** – This project consists of 78” reinforced concrete pipe storm drain and reinforced concrete box culverts ranging in size from 7’ x 6’ to 10’ x 7’ in El Capitan Way from Ann Road to Centennial Parkway. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$8.3 million for this project.

**Gowan – Gowan – Alexander Road, Rancho to Decatur (PV = 87.5)**

**GOAL 0000** – This project consists of 10’ x 9’ reinforced concrete box culvert in Alexander Road from Rancho Road to Decatur Boulevard. Design is underway. Construction funding is programmed in FY 20/21. The TYCP includes approximately \$12.2 million for this project.

**Gowan – Gowan – Rancho, Craig to Alexander (PV = 89.5)**

**GOAL 0100, 0111** – This project consists of 10’ x 8’ reinforced concrete box culvert in Rancho Road from Alexander Road to Craig Road. Design is programmed in FY 19/20 and construction funding is programmed in FY 22/23. The TYCP includes approximately \$8.7 million for this project.

**Gowan – Gowan – Alexander Branch (PV = 89.0)**

**GOA2 0000** – This project consists of 8’ x 5’ reinforced concrete box culvert in Alexander Road from Torrey Pines Drive to Rancho Road. Design is programmed in FY 20/21 and construction funding is programmed in FY 23/24. The TYCP includes approximately \$4.1 million for this project.

**Gowan – Gowan – Craig and US-95 (PV = 85.0)**

**GOAL 0168, 0247** – This project consists of 10’ x 8’ reinforced concrete box culvert in Craig Road from US-95 to Rancho Road and open channel improvements along the west side of US-95 from Lone Mountain Road to Craig Road. Design is programmed in FY 22/23 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$12.9 million for this project.

**Upper Northern LV Wash – Brent Drainage System – Durango to El Capitan (PV = 80.5)**

**BRDB 0107, 0157** – This project consists of 12’ x 6’ reinforced concrete box culvert in El Capitan Way from Iron Mountain Road to Brent Lane and 8’ x 6’ reinforced concrete box culvert in Brent Lane from El Capitan Way to Durango Drive. Design is programmed in FY 22/23 and construction funding is programmed in FY 25/26. The TYCP includes approximately \$8.7 million for this project.

***Las Vegas (continued)***

**Upper Northern LV Wash – LVW – Moccasin, Skye Canyon Park to Upper LVW (PV = 90.5)**

**LVMO 0000** – This project consists of 30' wide by 13' deep open channel improvements in Moccasin Road from Skye Canyon Park Drive to the Upper Las Vegas Wash. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$13.4 million for this project.

The funding programmed for the Upper Northern Las Vegas Wash, Central Basin and Gowan Planning Areas in Las Vegas totals approximately \$345.4 million on the TYCP.

**NORTH LAS VEGAS**  
Lower 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, 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 “Lower North, Range, and Lower Las Vegas Wash Basins Planning Area”. Projects completed or funded for construction since 1987 include:

**“A” Channel Three Bridges Project (Cheyenne Avenue, Las Vegas Boulevard, and Carey Avenue)**

**Ann Road, Allen Lane to Rancho Drive**  
Las Vegas is the Lead Entity

**Ann Road Channel East, ULVW to Fifth Street**

**Brooks Channel**

**Camino Al Norte Crossing**  
Part of the Western Tributary of the Las Vegas Wash (first developer participation contract with the District)

**Centennial Collector**

**Centennial Parkway Channel East**

**Central Freeway Channel at Cheyenne**

**Cheyenne Peaking Basin, Collection and Outfall – Alexander Road to Cheyenne Avenue**

**Colton Avenue Flood Control Improvements**

**Confluence Detention Basin**  
Clark County is the Lead Entity

**Freeway Channel – Owens Avenue to Miller Avenue – Phase I and Phase II**

**Hollywood System – Dunes South Detention Basin to Centennial Parkway, Phase I**

**Kyle Canyon Detention Basin**

*North Las Vegas (continued)*

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

From I-15 to Craig Road

**Las Vegas Wash – Las Vegas Boulevard to Cheyenne Avenue**

**Las Vegas Wash – Losee Road**

**Las Vegas Wash Main Branch – Las Vegas Boulevard to Lake Mead Boulevard**

**Las Vegas Wash – “N” Channel, Cheyenne to Gowan**

**Las Vegas Wash, Water Reclamation Channel**

Clark County is the Lead Entity

**Lower Las Vegas Wash Detention Basin**

A joint use recreation facility

**Oak Island Drive Storm Drain Improvements, Local Drainage Project**

**Orchard Detention Basin**

Clark County is the Lead Entity

**Rancho Road System – Centennial Parkway to Rancho Road Detention Basin**

Las Vegas is the Lead Entity

**Range Wash – Lamb Boulevard Storm Drain**

**Range Wash – Ann Branch Phase I**

**Simmons Street Channel**

**Simmons Street Drainage Improvements, Alexander Road to Gowan Outfall Channel**

**Simmons Street – Phase II, Carey to Cheyenne**

**Sloan Channel, Las Vegas Wash to Charleston Boulevard**

Clark County is the Lead Entity

**Sloan Channel - Stewart Avenue to Charleston Boulevard**

Clark County is the Lead Entity

**Tributary to the Western Tributary at Alexander Road**

***North Las Vegas (continued)***

**Tributary to the Western Tributary at Craig Road (“A” Channel Craig Confluence)**

**Tropical Parkway Channel East**

**Upper Las Vegas Wash**

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

Located on the Las Vegas Wash at the upstream area of the Las Vegas Valley

**Upper Las Vegas Wash, Craig Road to Elkhorn Road (Phase I – Centennial Parkway to Craig Road)**

**Vandenberg Detention Basin**

**Washington Collection System**

Clark County is the Lead Entity

**West Range Wash Diversion Dike**

**Western Tributary of the Las Vegas Wash**

Camino Al Norte to Centennial Parkway (excluding the reach between the Lower Las Vegas Wash Detention Basin and Clayton Street)

**Western Tributary of the Las Vegas Wash**

From Alexander Road to north of Craig Road

District funding since 1987 for the projects plus design efforts on future projects total approximately \$297,456,699.

Projects proposed on the TYCP in hydrographic basin order with Priority Value (PV) include the following:

**Lower Northern Las Vegas Wash – North Las Vegas Detention Basin Upgrade (PV = 77.0)**

**LVUP 0406** – This project will expand the existing North Las Vegas Detention Basin by approximately 780 acre-feet. Design is programmed in FY 20/21 and construction funding is programmed in FY 23/24. The TYCP includes approximately \$5.3 million for this project.

***North Las Vegas (continued)***

**Lower Northern Las Vegas Wash – Fifth Street Collector – Centennial Parkway to Deer Springs (PV = 80.0)**

**LV5C 0002, 0050** – This project consists of 10' x 5' reinforced concrete box culvert in Deer Springs Way extending approximately 600 feet west of North Fifth Street and 10' x 6' reinforced concrete box culvert in North Fifth Street between Deer Springs Way to Centennial Parkway. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$4.8 million for this project.

**Lower Northern Las Vegas Wash – Lake Mead Drain to Las Vegas Wash (PV = 75.0)**

**LVLE 0000, 0047** – This project consists of reinforced concrete box culvert ranging in size from 12' x 6' to 12' x 8' in Lake Mead Boulevard from just east of Civic Center Drive to the Las Vegas Wash-Middle Branch confluence at Pecos Road. Design is programmed in FY 24/25 and construction funding is programmed in FY 26/27. The TYCP includes approximately \$14.0 million for this project.

**Lower Northern Las Vegas Wash – Las Vegas Boulevard Drain (PV = 75.5)**

**LVLV 0000** – This project consists of a dual 10' x 9' reinforced concrete box culvert in Las Vegas Boulevard from Pecos Road to Las Vegas Wash. Design is programmed in FY 21/22 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$10.8 million for this project.

**Range – Lower Range – Range Wash – Alto Conveyance, Confluence DB to Los Feliz (PV = 78.0)**

**RWAL 0000, 0068** – This project consists of open channel improvements along the Alto Avenue alignment from Los Feliz Street to the Confluence Detention Basin. Design is programmed in FY 18/19 and Right-of-Way Acquisition is programmed in FY 19/20. Construction funding is programmed in FY 21/22. The TYCP includes approximately \$5.4 million for this project.

**Range – Lower Range – Orchard Collector – Charleston Boulevard to Linden Avenue (PV = 86.5)**

**SLOR 0158** – This project consists of a soil cement lined levee that will extend south from the Linden Avenue alignment to Charleston Boulevard along the base of Sunrise Mountain. This facility will collect flows draining east off the mountain and convey them south to the Orchard Detention Basin located south of Charleston Boulevard. Design is underway. Construction funding is programmed in FY 18/19. The TYCP includes approximately \$3.2 million for this project.

*North Las Vegas (continued)*

**Range – Lower Range – Owens Detention Basin & Outfall (PV = 78.0)**

**SLWA 0130 through 0175 and SLOW 0000, 0005** – This project consists of an 88 acre-foot detention basin, spillway, collection facilities and an outfall pipe ranging in size from 24” to 48” in diameter located east of Hollywood Boulevard and south of Owens Avenue. Design is underway. Right-of-Way Acquisition is programmed in FY 19/20 and construction funding is programmed in FY 21/22. The TYCP includes approximately \$6.3 million for this project.

**Range – Lower Range – Range Wash – Sloan Channel, Stewart Bridge (PV = 75.0)**

**RWSL 0188** – This project consists of replacing the existing Sloan Channel/Stewart Avenue eight cell 10’ x 3.5’ reinforced concrete box culvert crossing with a bridge structure to increase conveyance capacity. Design is programmed in FY 21/22 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$0.55 million for this project.

**Range – West Range – Beltway Detention Basin & Channel (PV = 77.5)**

**RWRR 0107 through 0261 and RWBE 0000** – This project consists of a 226 acre-foot detention basin, spillway, an outfall structure consisting of a 24” diameter reinforced concrete pipe, 6’ x 6’ reinforced concrete box culvert at Centennial Parkway, and rip rap collection channels located along the west side of the Union Pacific Railroad and the north side of the northern Beltway from the Union Pacific Railroad to Lamb Boulevard. Design is underway. Construction funding is programmed in FY 22/23. The TYCP includes approximately \$12.2 million for this project.

**Range – West Range – Nellis Storm Drain – Sloan Channel to Craig (PV = 68.5)**

**SLNL 0000, 0064** – This project includes a 12’ x 10’ and double 12’ x 11’ reinforced concrete box culvert in Nellis Boulevard from Craig Road to the Range Wash – Sloan Channel. Design is programmed in FY 24/25 and construction funding is programmed in FY 27/28. The TYCP includes approximately \$25.4 million for this project.

**Range – West Range – Las Vegas Boulevard Storm Drain – Nellis to Range (PV = 68.0)**

**SLLV 0000** – This project includes a 12’ x 10’ reinforced concrete box culvert in Las Vegas Boulevard from Range Road to Nellis Boulevard. Design is programmed in FY 25/26. The TYCP includes approximately \$1.6 million for this project.

**Range – West Range – Range Wash – Beltway Conveyance (PV = 79.5)**

**RWBW 0030 and RWWE 0493 and 0517** – This project consists of open channel improvements on the north side of the CC 215 Beltway from just west of Lamb Boulevard to approximately 1,400 feet east of Pecos Road and from Losee Road to approximately 1,400 feet west of Pecos Road. Design and Right-of-Way Acquisition are programmed in FY 18/19. Construction funding is programmed in FY 20/21. The TYCP includes approximately \$2.9 million for this project.



*North Las Vegas (continued)*

**Range – West Range – Vandenberg North Detention Basin, Collection & Outfall (PV = 85.5)**

**RWWE 0352, 0397 through 0439** – This project includes a 290 acre-foot detention basin and spillway located at Centennial Parkway and Pecos Road with associated collection channels extending east of the basin, 24” reinforced concrete outfall pipe in Pecos Road to Centennial Parkway and 8’ x 7’ reinforced concrete box culvert from approximately 700 feet north of Azure Avenue to Tropical Parkway. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$24.8 million for this project.

**Range – West Range – Beltway Collection System – Pecos (PV = 82.0)**

**RWWE 0463 and RWBW 0000** – This project consists of a 12’ x 9’ and a 9’ x 6’ reinforced concrete box culvert located along the north side of the Northern Beltway at Pecos Road. Design is programmed in FY 18/19 and construction funding is programmed in FY 20/21. The TYCP includes approximately \$7.3 million for this project.

**Range – East Range – Hollywood System, Dunes South Detention Basin to Centennial Parkway, Phase 2 (PV = 93.0)**

**RWHW 0000 thru 0173** – This project consists of a 12’ x 10’ reinforced concrete box culvert in Las Vegas Boulevard and gabion and concrete lined open channel improvements within Nellis Airforce Base from Las Vegas Boulevard to future Dunes South Detention Basin. Design is underway. Construction funding is programmed in FY 18/19. The TYCP includes approximately \$15.4 million for this project.

**Range – East Range – Range Wash – Ann Branch Phase 2 (PV = 82.5)**

**RWAN 0000, 0050** – This project consists of a 10’ x 7’ reinforced concrete box culvert in Mt. Hood Street from Tropical Parkway to Ann Road, and in Ann Road from Mt. Hood Street to Hollywood Boulevard. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$10.0 million for this project.

**Range – East Range – Hollywood System, Centennial Parkway to Speedway #2 Detention Basin (PV = 86.0)**

**RWHW 0300 through 0412** – This project consists of upgrading two existing retention basins (Speedway #1 and Speedway #2 retention basins) by adding outfall facilities and expanding Speedway #2 retention basin volume to 245 acre-feet. Outfall facilities include open channel improvements, a 78” diameter reinforced concrete pipe crossing I-15 at Hollywood Boulevard, and 9’ x 8’ reinforced concrete box culvert from I-15 to Centennial Parkway. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$5.8 million for this project.

*North Las Vegas (continued)*

**Range – East Range – Speedway North Detention Basin and Outfall (PV = 73.0)**

**RWHW 0459, 0498, 0499, and 0500** – This project consists of an 843 acre-foot detention basin, spillway and outlet structure and 72” reinforced concrete pipe extending south of the Union Pacific Railroad to Speedway #2 Detention Basin. Design and Right-of-Way Acquisition are programmed in FY 23/24. Construction funding is programmed in FY 26/27. The TYCP includes approximately \$15.8 million for this project.

The funding programmed for the Lower Northern Las Vegas Wash, Range Wash, and Lower Las Vegas Wash Planning Areas in North Las Vegas totals approximately \$171.5 million on the TYCP.

**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 Area”. Projects completed or funded for construction since 1987 include:

**Las Vegas Valley:**

**Annie Oakey Drive at Rawhide Channel Storm Drain, Local Drainage Project**

**Blue Diamond Channel, Jones Branch**

**Blue Diamond Channel – Rainbow Branch**

**Blue Diamond Wash South Rainbow, Pebble – Raven and Wigwam to Ford**

**Blue Diamond Wash Wigwam, Jones Boulevard to Rainbow Boulevard**

**Blue Diamond Wash Wigwam, UPRR to Jones Boulevard**

**Carey Avenue Storm Drain, Local Drainage Project**

**Desert Inn Detention Basin Collection System and Outfall**

**Duck Creek at Dean Martin**

**Duck Creek at Robindale Road**

**Duck Creek, Broadbent Boulevard Bridge and Channel**

**Duck Creek, Broadbent Boulevard to Boulder Highway**

**Duck Creek, Eldorado Lane to Spencer Street**

**Duck Creek, Emerald Avenue to Stephanie Street, Phase I**

**Duck Creek, Las Vegas Boulevard**

**Duck Creek, Lower Detention Basin to Silverado Ranch Boulevard**

**Duck Creek, Mountain Vista Street to Green Valley Parkway**

*Clark County (continued)*

**Duck Creek, Phase II and Lower Pittman**

**Duck Creek, Railroad Detention Basin**

**Duck Creek, Railroad near Warm Springs to Topaz Street**

**Duck Creek, Robindale to I-215**

**Duck Creek, Tomiyasu Lane to the Railroad near Warm Springs**

**Duck Creek, Tomiyasu Lane to Topaz Street**

**Duck Creek, Topaz Street to Eastern Avenue**

**Duck Creek, US-95 Branch**

**Durango Collector**

**Flamingo – Boulder Highway North, Sahara Avenue to Flamingo Wash**

**Flamingo Diversion – Jones Branch**

**Flamingo Diversion – Rainbow Branch**

**Flamingo Diversion – South Buffalo Branch, Flamingo Wash to Sunset Road**

**Flamingo Hacienda**

**Flamingo Wash at Boulder Highway**

**Flamingo Wash, Algonquin Drive to Maryland Parkway**

**Flamingo Wash, Boulder Highway to Mojave Road (Miracle Mile)**

**Flamingo Wash Bridges**

At Arville, Eastern, Paradise, and Palo Verde

**Flamingo Wash, Desert Inn to Eastern Avenue**

**Flamingo Wash, Eastern Avenue**

**Flamingo Wash, I-515 to Boulder Highway**

**Flamingo Wash, Nellis Boulevard to I-515**

***Clark County (continued)***

**Flamingo Wash, Spencer Street Bridge and Approach Channel**

**Hickam Avenue Storm Drain, Local Drainage Project**

**Lakes Detention Basin, Collection, and Outfall System**

A joint use recreation facility

**Las Vegas Blvd/Serene Avenue Storm Drain, Local Drainage Project**

**Las Vegas Wash – Sloan Channel to Stewart Avenue and Flamingo Wash below Nellis Boulevard (CC Segment)**

- The City of Las Vegas funds a segment of this project
- The City of North Las Vegas funds a segment of this project
- Clark County is the Lead Entity

**Lower Blue Diamond Detention Basin**

**Lower Blue Diamond Detention Basin Collector Channel**

**Lower Blue Diamond Detention Basin Outfall**

**Lower Duck Creek Detention Basin and Outfall Channel**

**Lower Flamingo Detention Basin**

**Olive Street Storm Drain, US-95 to Palm Street, Local Drainage Project**

**Rawhide Channel at Sagebrush Street**

**Rawhide Channel System**

**Red Coach Avenue/Cimarron Road Improvements, Local Drainage Project**

**Red Rock Channel, Naples Branch**

**Red Rock Channel, Naples Branch – Flamingo Connector**

**Sloan Channel, Las Vegas Wash to Charleston Boulevard**

**Sunrise Avenue Area Storm Drain, Local Drainage Project**

***Clark County (continued)***

**Sunrise Avenue Storm Drain, Fogg Street to Clayton Street, Local Drainage Project**

**Toiyabe Street Storm Drain, Local Drainage Project**

This project was collapsed into the Carey Street Storm Drain, Local Drainage Project

**Tomiyasu and La Casita Crossings of Duck Creek**

**Tropicana North Branch Detention Basin**

**Tropicana Wash at Swenson Street**

**Tunis Avenue and Karvel Street Storm Drain, Local Drainage Project**

**Twain at Pecos-McLeod Storm Drain, Local Drainage Project**

**Upper Duck Creek Detention Basin**

**Tropicana and Flamingo Washes Project:**

- **Blue Diamond and Red Rock Channels (Beltway Sections 7A, 7B, 8, and 9)**
- **Blue Diamond Channel – Durango Reach (Warm Springs Intersection)**
- **Blue Diamond Detention Basin**
- **F-1 Channel, Beltway to Hualapai Way**
- **F-1 and F-2 Debris Basins and Channels, Phase II**
- **F-4 Debris Basin and Channel**
- **F-4 Patrick Lane/Fort Apache Road Lateral**
- **Flamingo Detention Basin Expansion**
- **Lower Blue Diamond Channel**
- **Lower Flamingo Diversion Channel, Phase I (Tropicana Detention Basin to Jones Boulevard)**
- **Lower Red Rock Complex**
- **R-4 Detention Basin and Channel**

***Clark County (continued)***

- **Red Rock Channel (Beltway Section 10A)**
- **Red Rock Detention Basin Expansion**
- **Red Rock Detention Basin Scour Protection and Outfall Channel**
- **Tropicana Detention Basin and Outfall Channel**
- **Upper Blue Diamond Diversion Channel**
- **Upper Flamingo Detention Basin Expansion**
- **Upper Flamingo Diversion Channel, Phase II**

**Tropicana Wash Channel**

Paradise Road to Koval Lane

**Upper Flamingo Detention Basin and Outfall System**

**Van Buskirk Channel System**

**Washington/Hollywood Storm Drain, Local Drainage Project**

**Washington Collection System (Montridge Storm Drain)**

**Winnick Avenue Improvements**

On the Flamingo Wash

**Outlying Areas:**

**Bunkerville Detention Conveyance System (Windmill Wash)**

**Bunkerville – Windmill Wash Outfall**

**Cooper Crossing in Moapa Valley**

**Hiko Springs Detention Basin (SID and District funded)**

**Hiko Springs Outfall Channel**

**Indian Springs Detention Basin**

**Logan (Benson) Wash Improvements in Moapa Valley**

*Clark County (continued)*

**Muddy River, Cooper Street Bridge**

**Muddy River, Gubler Avenue Bridge**

**Muddy River Logandale Levee**

**Searchlight Flood Control Improvements**

**Searchlight – South, Encinitas St. Storm Drain**

**SR 163 at Casino Drive in Laughlin**

**Unnamed Wash Improvements in Laughlin**

District funding since 1987 for the projects plus design efforts of future projects total approximately \$572,240,300.

The projects proposed on the TYCP for Clark County within the Las Vegas Valley in hydrographic basin order with Priority Value (PV) include the following:

**Tropicana/Flamingo – Blue Diamond – Buffalo Branch (PV = 71.5)**

**BDBF 0010, 0076, 0125** – This project consists of a 10' x 6' reinforced concrete box culvert and concrete open channel improvements along the Buffalo Drive alignment from West Mesa Verde Lane to Badura Avenue. Design is programmed in FY 23/24 and construction funding is programmed in FY 25/26. The TYCP includes approximately \$10.2 million for this project.

**Tropicana/Flamingo – Flamingo – Cimarron Branch (PV = 73.0)**

**FLCM 0003, 0040** – This project consists of 72" and 78" reinforced concrete pipe storm drain parallel to Cimarron Road from Russell Road to Sunset Road. Design is programmed in FY 22/23 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$5.4 million for this project.

**Tropicana/Flamingo – Wagon Trail Channel – Sunset Road to Teco (PV = 81.0)**

**WGTR 0111** – This project includes a 10' x 6' reinforced concrete box culvert in Procyon Street extending from Sunset Road to Teco Avenue. Design and Right-of-Way Acquisition are programmed in FY 18/19. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$2.1 million for this project.

**Tropicana/Flamingo – Flamingo Wash, Maryland to Palos Verde (PV = 79.0)**

**FLWA 0621 and 0673** – This project consists of open channel improvements from Maryland Parkway to Cambridge Street and from Swenson Street to Palos Verde Street. Design is programmed in FY 18/19 and construction funding is programmed in FY 19/20. The TYCP includes approximately \$2.9 million for this project.



***Clark County (continued)***

**Tropicana/Flamingo – Las Vegas Wash – Christy (PV = 72.5)**

**LVCH 0000, 0114** – This project consists of a 10' x 7' and 12' x 9' reinforced concrete box culvert in Christy Lane from the Las Vegas Wash to Bonanza Road. Design is programmed in FY 23/24 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$24.7 million for this project.

**Tropicana/Flamingo – Flamingo Wash Maryland – UNLV (PV = 72.5)**

**FLMR 0000** – This project consists of 90" reinforced concrete pipe in Maryland Parkway from the Flamingo Wash to University Road. Design is programmed in FY 23/24 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$7.4 million for this project.

**Tropicana/Flamingo – Airport Channel – Naples (PV = 87.0)**

**TRMC 0013, 0031, and 0033** – This project consists of open channel improvements from Harmon Avenue to Tropicana Avenue and 120 acre-feet Tropicana Wash – McCarran Airport Offline Detention Basin. Design is underway. Construction funding is programmed in FY 18/19. The TYCP includes approximately \$9.6 million for this project.

**Tropicana/Flamingo – Vegas Valley Drive – Flamingo Wash to Pecos (PV = 72.0)**

**VAVD 0000 and 0025** – This project includes an 84" reinforced concrete pipe and an 8' x 6' reinforced concrete box culvert in Vegas Valley Drive extending from Burnham Avenue to the Flamingo Wash. Design is programmed in FY 23/24 and construction funding is programmed in FY 25/26. The TYCP includes approximately \$9.8 million for this project.

**Tropicana/Flamingo – Flamingo Wash, Industrial Road to Hotel Rio Drive (PV = 83.5)**

**FLWA 0893 and 0896** – This project consists of open (gabion) channel improvements in Flamingo Wash from the Union Pacific Railroad to Hotel Rio Drive. Design is underway. Construction funding is programmed in FY 18/19. The TYCP includes approximately \$1.4 million for this project.

**Tropicana/Flamingo – Tropicana Avenue Conveyance – Morris Street to Mountain Vista Street (PV = 73.0)**

**LV01 0151** – This project includes an 84" diameter reinforced concrete storm drain in Tropicana Avenue from Mountain Vista Street to Morris Street. Design is programmed in FY 21/22 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$5.3 million for this project.

**Tropicana/Flamingo – Las Vegas Wash – Boulder Highway (PV = 70.0)**

**LVBH 0000** – This project consists of a 12' x 8' reinforced concrete box culvert in Boulder Highway from Tropicana Avenue to Harmon Avenue, and in Harmon Avenue from Boulder Highway to Nellis Boulevard. Design is programmed in FY 27/28. The TYCP includes approximately \$1.3 million for this project.

*Clark County (continued)*

**Tropicana/Flamingo – Tropicana Avenue Conveyance – Las Vegas Wash to Boulder Highway (PV = 81.0)**

**LV01 0001 through 0118** – This project includes dual 8'x8' reinforced concrete box culvert and trapezoidal concrete channel of varying sizes along Tropicana Avenue extending from the Las Vegas Wash to Boulder Highway. Design is underway. Additional design funding is programmed in FY 18/19 and construction funding is programmed in FY 19/20. The TYCP includes approximately \$19.6 million for this project.

**Tropicana/Flamingo – Tropicana Avenue Conveyance – Boulder Highway to Morris Street (PV = 75.5)**

**LV01 0135** – This project includes an 84" diameter reinforced concrete storm drain in Tropicana Avenue extending from Boulder Highway to Morris Street. Design is programmed in FY 20/21 and construction funding is programmed in FY 23/24. The TYCP includes approximately \$9.7 million for this project.

**Tropicana/Flamingo – Las Vegas Wash – Branch 02, Monson Channel – Las Vegas Wash to Boulder Highway (PV = 72.5)**

**LV02 0001 through 0294** – This project consists of a reinforced concrete box culvert along Flamingo Road from Boulder Highway to Nellis Boulevard; replacement of existing bridge structures along the south side of Flamingo Road at a driveway entrance and at Canal Street; and concrete lined channel beginning at Flamingo Road and Jimmy Durante Boulevard extending south and east to the Las Vegas Wash. Design is programmed in FY 23/24 and construction funding is programmed in FY 26/27. The TYCP includes approximately \$18.4 million for this project.

**Duck Creek/Blue Diamond – Blue Diamond Wash – Arville Street to I-15 (PV = 83.0)**

**BDWA 0276** – This project is a 66" diameter reinforced concrete pipe storm drain in Robindale Road from Arville Street to I-15. Design is programmed in FY 18/19 and construction funding is programmed in FY 19/20. The TYCP includes approximately \$5.4 million for this project.

**Duck Creek/Blue Diamond – Duck Creek/Blue Diamond, Bermuda Road to Las Vegas Boulevard (PV = 80.5)**

**DCBD 0075, 0082 and 0084** – This project includes reinforced concrete box culverts of varying sizes and concrete open channel along Duck Creek, Blue Diamond Wash extending from Las Vegas Boulevard to Bermuda Road. Design and Right-of-Way Acquisition are programmed in FY 18/19. Construction funding is programmed in FY 20/21. The TYCP includes approximately \$6.1 million for this project.

*Clark County (continued)*

**Duck Creek/Blue Diamond – Blue Diamond Channel, Amigo Street to Rancho Destino (PV = 78.5)**

**BDWA 0087 through 0174** – This project includes reinforced concrete box culverts ranging in size from 10' x 5' to 10' x 6' along Blue Diamond Wash from Rancho Destino Road to Amigo Street. Design and Right-of-Way Acquisition are programmed in FY 19/20. Construction funding is programmed in FY 22/23. The TYCP includes approximately \$10.9 million for this project.

**Duck Creek/Blue Diamond – Duck Creek Jones Boulevard (PV = 91.0)**

**DCJB 0000, 0043** – This project consists of 7' x 6' and 12' x 6' reinforced concrete box culvert from Irvin Avenue to Pyle Avenue to be constructed as part of Regional Transportation Commission of Southern Nevada *Jones – Cactus to Blue Diamond* project. Design is underway. Construction funding is programmed in FY 18/19. The TYCP includes approximately \$2.2 million for this project.

**Duck Creek/Blue Diamond – Silverado Ranch Detention Basin and Outfall Facilities (PV = 82.5)**

**BD02 0125 through 0312, 0359 and 0385** – This project consists of 6' x 8' and 12' x 8' reinforced concrete box culvert in Decatur Boulevard from Frias Avenue to Le Baron Avenue, a 14' x 8' reinforced concrete box culvert inflow facility in Le Baron Avenue, a 170 acre-foot detention basin (Silverado Ranch Detention Basin), located south of Silverado Ranch Boulevard and west of Arville Street, a 72" reinforced concrete pipe outlet extending from the detention basin to Silverado Ranch Boulevard, an 84" reinforced concrete pipe in Silverado Ranch Boulevard from Arville Street to Dean Martin Drive, 9' x 6' reinforced concrete box culvert in Dean Martin Drive and Gary Avenue from Silverado Ranch Boulevard to the I-15, and open channel improvements along the west side of I-15 from the Meranto Avenue to Gary Avenue alignments. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$23.6 million for this project.

**Duck Creek/Blue Diamond – Blue Diamond Channel 02, Decatur – Le Baron to Richmar (PV = 92.0)**

**BD02 0334, 0358** – This project consists of 8' x 6' reinforced concrete box culvert within Decatur Boulevard from Richmar Avenue to Le Baron Avenue. The facility will collect runoff from the west and discharge to the future Silverado Ranch Detention Basin. The facility will be designed and constructed as part of the Regional Transportation Commission of Southern Nevada *Decatur, Cactus to Warm Springs* project. Design is underway. Construction funding is programmed in FY 18/19. The TYCP includes approximately \$3.5 million for this project.

*Clark County (continued)*

**Duck Creek/Blue Diamond – Blue Diamond Wash Railroad (PV = 79.0)**

**BDW5 0026** – This project will focus on early right-of-way acquisition for future channel improvements adjacent to a Union Pacific Railroad spur that extends from Blue Diamond Road to Rainbow Boulevard. Right-of-Way Acquisition is programmed in FY 18/19 and design is programmed in FY 19/20. Construction funding is programmed in FY 22/23. The TYCP includes approximately \$4.6 million for this project.

**Duck Creek/Blue Diamond – Duck Creek Wash Tributary 4 – Detention Basin to Jones Boulevard (PV = 80.5)**

**DCW4 0298** – This project is the outfall pipe for the Duck Creek Railroad Detention Basin. The facility is an 8' x 5' reinforced concrete box culvert in Pyle Avenue from the Union Pacific Railroad to Jones Boulevard. Design is programmed in FY 18/19 and construction funding is programmed in FY 20/21. The TYCP includes approximately \$5.7 million for this project.

**Duck Creek/Blue Diamond – Duck Creek, Sunset Park (PV = 80.0)**

**DCSP 0000** – This project consists of an 11' x 6' reinforced concrete box culvert from Duck Creek Wash to Eastern Avenue. Design is programmed in FY 18/19 and construction funding is programmed in FY 21/22. The TYCP includes approximately \$15.7 million for this project.

**Duck Creek/Blue Diamond – Duck Creek Wash, Torrey Pines to Rainbow (PV = 91.5)**

**DCWA 1775, 1803, and 1827** – This Developer Participation project consists of open channel improvements in Duck Creek Wash from Rainbow Boulevard to just east of Torrey Pines Drive. Construction funding is programmed in FY 18/19. The TYCP includes approximately \$0.60 million for this project.

**Duck Creek/Blue Diamond – Duck Creek Haven Street (PV = 91.0)**

**DCHV 0026, 0050, 0057** – This project consists of reinforced concrete box culverts ranging in size from 8' x 5' to 10' x 5' in Haven Street from Pyle Avenue to Cactus Avenue. Design is underway. Construction funding is programmed in FY 18/19. The TYCP includes approximately \$4.1 million for this project.

The funding programmed for the Duck Creek/Blue Diamond and Tropicana/Flamingo Planning Areas in Clark County (Las Vegas Valley) totals approximately \$210.2 million on the TYCP.

***Clark County (continued)***

The projects proposed on the TYCP for the Outlying Areas of Clark County include the following:

**Goodsprings – Goodsprings – Phase I**

**GSEA 0000, GSPA 0027 and 0029, and GSRV 0019** – This project consists of a riprap channel in Pacific Street and Revere Street discharging to the natural watercourse on the north side of Goodsprings. Design is underway. Right-of-Way Acquisition and construction funding are programmed in FY 18/19. The TYCP includes approximately \$0.90 million for this project.

**Muddy River and Tributaries – Fairgrounds – Detention Basin (Whipple Street)**

**FGWS 0000 through 0166** – This project is a 130 acre-foot detention basin and outfall facility located north of the Clark County Fair Grounds near Whipple Avenue and Heyer Street. Design is underway. Construction funding is programmed in FY 18/19. The TYCP includes approximately \$10.4 million for this project.

**Muddy River and Tributaries – Muddy River – Cooper to Yamashita**

**MRLV 0395 through 0508** – This project consists of earthen channel improvements with grade control structures from Yamashita Street to approximately 800' south of Ramos Ranch. Design is underway. Additional design and Right-of-Way Acquisition are programmed in FY 21/22 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$17.0 million for this project.

**Muddy River and Tributaries – Bryner Avenue to Lewis**

**MRLV 0198, 0240, 0268, and 0276** – This project consists of open channel improvements from Bryner Avenue south to Lewis Street. Design is programmed in FY 24/25 and construction funding is programmed in FY 27/28. The TYCP includes approximately \$18.2 million for this project.

**Mount Charleston – Rainbow Canyon Boulevard Bridge**

**MTCH 0001** – This project consists of a new bridge structure for Rainbow Canyon Boulevard, just south of Kyle Canyon Road. Design is programmed in FY 24/25 and construction funding is programmed in FY 27/28. The TYCP includes approximately \$1.5 million for this project.

**Laughlin – Bridge Canyon Detention Basin**

**LUHS 0415, 0416, and 0417** – This project consists of a 1,104 acre-feet detention basin, spillway and outlet structure located west of Needles Highway and south of SR 163. Design is programmed in FY 22/23 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$12.4 million for this project.

***Clark County (continued)***

**Laughlin – Bridge Canyon Outfall**

**LUHS 0315, 0316, 0317** – This project consists of a 12' wide by 4' deep concrete outfall channel from the Bridge Canyon Detention basin, 10' x 4' reinforced concrete box culvert, and energy dissipater discharging to the Hiko Springs Wash. Design is programmed in FY 22/23 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$3.3 million for this project.

**Laughlin – Hiko Detention Basin Expansion**

**LUHS 0244** – This project consists of the expansion of the Hiko Springs Detention Basin by 310 acre-feet to accommodate diversion of the Bridge Canyon flow. Design is programmed in FY 19/20 and construction funding is programmed in FY 22/23. The TYCP includes approximately \$2.0 million for this project.

**Searchlight – West**

**SRWE 0001 through 0091** – This project consists of a 5' high riprap levee, 42" and 54" reinforced concrete pipe and a 12' wide by 5' deep riprap open channel following a stair stepped alignment from the Nevada Street and Indian Street intersection to Nipton Road and US95 intersection, following Nipton Road approximately 0.5 miles northwesterly. Design is programmed in FY 22/23 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$2.8 million for this project.

The TYCP for the Outlying Areas of Clark County totals approximately \$68.5 million.

In all, among the Tropicana/Flamingo, Duck Creek, Blue Diamond, and Outlying Planning Areas, Clark County has programmed approximately \$278.7 million for flood control facilities over the next ten years.

**BOULDER CITY**

Projects completed or funded for construction since 1987 include:

**Bootleg Canyon Detention Basin Outfall**

**Bootleg Canyon Detention Basin, Phase II**

**Buchanan Boulevard Channel**

**Buchanan Boulevard, Phase III Improvements**

**Buchanan Watershed Facilities**

**Georgia Avenue Channel**

**Hemenway Wash Improvements**

A joint use recreation facility

**Hemenway System, Phase IIA Improvements**

**Industrial Road Facilities**

**North Railroad Conveyance Phase I**

**North Railroad Conveyance Phase II**

**Valley View and DD Facilities**

**Veteran's Memorial Detention Basin**

**Ville Drive Flood Control Improvements**

**West Airport Facilities**

**West Airport Watershed, including West Adams Boulevard and Georgia Avenue Improvements**

**Yucca Debris Basin, Collection and Outfall**

**Yucca Street Drainage**

District funding since 1987 for the projects plus design efforts of future projects total approximately \$30,369,147.

***Boulder City (continued)***

The project proposed on the TYCP for Boulder City in hydrographic basin order is the following:

**Georgia/Buchanan – Georgia Buchanan Confluence Facilities**

**GBGR 0003 and GBBC 0004** – This project consists of concrete open channel improvements adjacent to Georgia Avenue and Buchanan Boulevard. Design is programmed in FY 19/20 and construction funding is programmed in FY 20/21. The TYCP includes approximately \$2.1 million for this project.

**Georgia/Buchanan – Georgia Avenue Facilities – Vaquero Drive Bridge**

**GBGR 0099** – This project consists of a free span bridge crossing at Vaquero Drive and Georgia Avenue. Design is programmed in FY 21/22 and construction funding is programmed in FY 22/23. The TYCP includes approximately \$0.40 million for this project.

**Hemenway – Hemenway System, Phase IIB Improvements**

**HMWA 0005, 0105 and HMLV 0006** – This project consists of improvements to the Hemenway Channel system located along the north side of US-93, and concrete channel improvements located north of Fire Agate Drive, extending south approximately 700' from US-93. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$0.70 million for this project.

**North Railroad – Wells Drive Levee Lining**

**NRIN 0088** – This project consists of providing riprap lining to the existing unlined Wells Drive Levee. Design is programmed in FY 19/20 and construction funding is programmed in FY 20/21. The TYCP includes approximately \$0.10 million for this project.

**West Airport – West Airport Facilities**

**WAAP 0036, 0076, 0077** – This project consists of concrete channel improvements extending from the Boulder City Municipal Airport to the I-11 Freeway. Design is programmed in FY 20/21 and construction funding is programmed in FY 22/23. The TYCP includes approximately \$3.2 million for this project.

The funding programmed for Boulder City totals approximately \$6.5 million on the TYCP.



**MESQUITE**

City of Mesquite projects completed or funded for construction since 1987 include:

**Abbott Wash Conveyance System, Pioneer Boulevard to the Virgin River**

**Town Wash Conveyance, I-15 to the Virgin River**

**Town Wash Detention Basin**

District funding since 1987 for these projects plus design efforts of future projects totals approximately \$25,738,837.

The projects proposed on the TYCP for Mesquite in hydrographic basin order include the following:

**Town Wash – Town Wash – Mesa Boulevard, El Dorado to Town Wash**

**TWMB 0000 through 0044, and TOWA 0120** – This project includes concrete channel improvements within the I-15 Freeway corridor extending approximately 2,400 linear feet northeast from Town Wash and 12' x 7' reinforced concrete box culvert extending north to El Dorado Road. Design is underway. Construction funding is programmed in FY 20/21. The TYCP includes approximately \$5.1 million for this project.

**Town Wash – Town Wash Mesa Boulevard, El Dorado to Chaparral**

**TWMB 0052, 0084, 0094** – This project consists of a 7' x 7' reinforced concrete box culvert in El Dorado Road and a 78" diameter reinforced concrete pipe in Chaparral Drive. Design is programmed in FY 20/21 and construction funding is programmed in FY 23/24. The TYCP includes approximately \$8.6 million for this project.

**Virgin River – Virgin River Flood Wall**

**VREC 0000** – This project includes approximately 4,300 linear feet of 17' high flood wall along the eastern edge of the City of Mesquite near Old Mill Road, extending south to Mesquite Boulevard. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$8.6 million for this project.

**Virgin River – Virgin River Erosion Protection, Phase I**

**VREC 0203, 0323, 0508, and 0519** – This project includes soil cement erosion protection at various locations along the south side of the City of Mesquite. Design is programmed in FY 20/21 and construction funding is programmed in FY 23/24. The TYCP includes approximately \$1.2 million for this project.

The funding programmed for Mesquite totals approximately \$23.5 million on the TYCP.

<b>Fiscal Year 2019 Project List</b>
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The first year of the TYCP comprises the recommended FY 2019 Project List. It should be noted that construction and right-of-way funds programmed in FY 2020 and FY 2021 are eligible to be funded if they meet the criteria presented in Sections II.B.9.b of the District's Policies and Procedures Manual. To meet these criteria construction projects must have ninety percent (90%) of design complete; have all right-of-entry for construction purposes obtained; and have all necessary permits, including environmental. For right-of-way, adequate design must have been completed to define right-of-way needs. Acceleration of funding in this manner cannot result in the delay of designs programmed in the first year and is dependent upon actual fund availability. Projects programmed in the first year total \$57.3 million. Projects eligible for funding in FY 2019 total \$320.4 million. These projects will be primarily funded from the estimated quarter percent Sales Tax Revenues. Projected revenue for the first year is \$76.6 million. Determining funding eligibility according to this policy allows for full expenditure of available resources annually in the event that some projects should suffer unexpected delays.

Other projects may also begin which are programmed throughout the TYCP if policies regarding Entity Advanced Funding and Funding Resolutions are exercised in accordance with Sections II.D.5 & 6 of the Policies and Procedures Manual.

The projects eligible for funding in FY 2019 are as follows:

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

**Pittman Beltway – Anthem Parkway Channel – Horizon Ridge to Sienna Heights (PV = 99.0)**  
**PTAP 0018** – This project consists of a concrete channel from Horizon Ridge Parkway to Sienna Heights Drive. Design is underway. Construction funding is programmed in FY 19/20. FY 2019 eligible funding is approximately \$0.90 million for this project.

**Lower Pittman – Whitney Wash Channel (PV = 91.5)**  
**WWDC 0001 through 0070** – This project consists of increasing the conveyance capacity of the Whitney Wash Channel between the Pittman Wash – Duck Creek Channel and the Whitney Mesa Estates Channel (WWDC 0084). The existing trapezoidal concrete channel will be replaced with a larger rectangular concrete channel between the Pittman Wash – Duck Creek Channel and Whitney Ranch Drive and an 18'x5' reinforced concrete box culvert between Whitney Ranch Drive and the Whitney Mesa Estates Channel. A 20' x 6' reinforced concrete box culvert is proposed under Whitney Ranch Drive and an 18' x 5' reinforced concrete box culvert under Galleria Drive. Design is programmed in FY 18/19 and construction funding is programmed in FY 20/21. FY 2019 eligible funding is approximately \$8.4 million for this project.

**Total Programmed First Year:     \$ 597,769**  
**Total Eligible First Year:         \$9,341,050**

***FY 2019 Project List (continued)***

**Las Vegas (Upper Northern Las Vegas Wash, Gowan and Central Basin Planning Areas):**

**Central – Flamingo – Boulder Highway North, Charleston – Main to Maryland (PV = 87.5)  
FLBN 0281, 0312** – This project consists of a reinforced concrete box ranging in size from 7' x 4' to 10' x 7' in Charleston Boulevard from Main Street to Maryland Parkway. Design is underway. Construction funding is programmed in FY 20/21. FY 2019 eligible funding is approximately \$4.9 million for this project.

**Central – Flamingo – Boulder Highway North – Boulder Highway, Sahara to Charleston (PV = 90.0)  
FLBN 0038** – This project consists of a 15' x 10' reinforced concrete box culvert in Boulder Highway from Charleston Boulevard to Sahara Avenue. Design is underway. Construction funding is programmed in FY 19/20. FY 2019 eligible funding is approximately \$19.7 million for this project.

**Central – Flamingo – Boulder Highway North, Charleston – Boulder Highway to Maryland Parkway and Maryland Parkway System (PV = 89.0)  
FLBN 0167, 0180, 0205 & FLMP 0000** – This project consists of an 8' x 6' reinforced concrete box in Maryland Parkway from Stewart Avenue to Charleston Boulevard and 10' x 6' to dual 10' x 6' reinforced concrete boxes in Charleston Boulevard from Maryland Parkway to Boulder Highway. Design is underway. Construction funding is programmed in FY 19/20. FY 2019 eligible funding is approximately \$25.7 million for this project.

**Gowan – Gowan Box Canyon – Lone Mountain Road (PV = 90.0)  
GOBX 0015** – This project consists of approximately 1.25 miles of 66" reinforced concrete pipe storm drain within Lone Mountain Road between the Box Canyon and Lone Mountain Beltway Detention Basins. Design is underway. Construction funding is programmed in FY 19/20. FY 2019 eligible funding is approximately \$5.5 million for this project.

**Gowan – Gowan Outfall – Alexander Rd., Decatur Blvd. to Simmons Street (PV = 90.0)  
GOOF 0275, 0285, 0325, 0375** – This project consists of a reinforced concrete box culvert ranging in size from dual 12' x 8' and dual 14' x 8' to side by side 16' x 8' and 14' x 6' in Alexander Road from Decatur Boulevard to Simmons Street. Design is underway. Construction funding is programmed in FY 19/20. FY 2019 eligible funding is approximately \$32.0 million for this project.

**Gowan – Gowan Outfall – El Capitan Branch, Ann Road to Centennial (PV = 87.0)  
GOEC 0100 through 0176** – This project consists of 78" reinforced concrete pipe storm drain and reinforced concrete box culverts ranging in size from 7' x 6' to 10' x 7' in El Capitan Way from Ann Road to Centennial Parkway. Design is underway. Construction funding is programmed in FY 19/20. FY 2019 eligible funding is approximately \$8.3 million for this project.

***FY 2019 Project List (continued)***

**Gowan – Gowan – Alexander Road, Rancho to Decatur (PV = 87.5)**

**GOAL 0000** – This project consists of 10' x 9' reinforced concrete box culvert in Alexander Road from Rancho Road to Decatur Boulevard. Design is underway. Construction funding is programmed in FY 20/21. FY 2019 eligible funding is approximately \$12.2 million for this project.

**Upper Northern LV Wash – LVW – Moccasin, Skye Canyon Park to Upper LVW (PV = 90.5)**

**LVMO 0000** – This project consists of 30' wide by 13' deep open channel improvements in Moccasin Road from Skye Canyon Park Drive to the Upper Las Vegas Wash. Design is underway. Construction funding is programmed in FY 19/20. FY 2019 eligible funding is approximately \$13.4 million for this project.

<b>Total Programmed First Year:</b>	<b>\$</b>	<b>0</b>
<b>Total Eligible First Year:</b>	<b>\$</b>	<b>121,688,985</b>

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

**Lower Northern Las Vegas Wash – Fifth Street Collector – Centennial Parkway to Deer Springs (PV = 80.0)**

**LV5C 0002, 0050** – This project consists of 10' x 5' reinforced concrete box culvert in Deer Springs Way extending approximately 600 feet west of North Fifth Street and 10' x 6' reinforced concrete box culvert in North Fifth Street between Deer Springs Way to Centennial Parkway. Design is underway. Construction funding is programmed in FY 19/20. FY 2019 eligible funding is approximately \$4.8 million for this project.

**Range – Lower Range – Range Wash – Alto Conveyance, Confluence DB to Los Feliz (PV = 78.0)**

**RWAL 0000, 0068** – This project consists of open channel improvements along the Alto Avenue alignment from Los Feliz Street to the Confluence Detention Basin. Design is programmed in FY 18/19 and Right-of-Way Acquisition is programmed in FY 19/20. Construction funding is programmed in FY 21/22. FY 2019 eligible funding is approximately \$0.78 million for this project.

**Range – Lower Range – Orchard Collector – Charleston Boulevard to Linden Avenue (PV = 86.5)**

**SLOR 0158** – This project consists of a soil cement lined levee that will extend south from the Linden Avenue alignment to Charleston Boulevard along the base of Sunrise Mountain. This facility will collect flows draining east off the mountain and convey them south to the Orchard Detention Basin located south of Charleston Boulevard. Design is underway. Construction funding is programmed in FY 18/19. FY 2019 eligible funding is approximately \$3.2 million for this project.

***FY 2019 Project List (continued)***

**Range – Lower Range – Owens Detention Basin & Outfall (PV = 78.0)**

**SLWA 0130 through 0175 and SLOW 0000, 0005** – This project consists of an 88 acre-foot detention basin, spillway, collection facilities and an outfall pipe ranging in size from 24” to 48” in diameter located east of Hollywood Boulevard and south of Owens Avenue. Design is underway. Right-of-Way Acquisition is programmed in FY 19/20 and construction funding is programmed in FY 21/22. FY 2019 eligible funding is approximately \$0.60 million for this project.

**Range – West Range – Range Wash – Beltway Conveyance (PV = 79.5)**

**RWBW 0030 and RWWE 0493 and 0517** – This project consists of open channel improvements on the north side of the CC 215 Beltway from just west of Lamb Boulevard to approximately 1,400 feet east of Pecos Road and from Losee Road to approximately 1,400 feet west of Pecos Road. Design and Right-of-Way Acquisition are programmed in FY 18/19. Construction funding is programmed in FY 20/21. FY 2019 eligible funding is approximately \$2.9 million for this project.

**Range – West Range – Vandenberg North Detention Basin, Collection & Outfall (PV = 85.5)**

**RWWE 0352, 0397 through 0439** – This project includes a 290 acre-foot detention basin and spillway located at Centennial Parkway and Pecos Road with associated collection channels extending east of the basin, 24” reinforced concrete outfall pipe in Pecos Road to Centennial Parkway and 8’ x 7’ reinforced concrete box culvert from approximately 700 feet north of Azure Avenue to Tropical Parkway. Design is underway. Construction funding is programmed in FY 19/20. FY 2019 eligible funding is approximately \$24.8 million for this project.

**Range – West Range – Beltway Collection System – Pecos (PV = 82.0)**

**RWWE 0463 and RWBW 0000** – This project consists of a 12’ x 9’ and a 9’ x 6’ reinforced concrete box culvert located along the north side of the Northern Beltway at Pecos Road. Design is programmed in FY 18/19 and construction funding is programmed in FY 20/21. FY 2019 eligible funding is approximately \$7.3 million for this project.

**Range – East Range – Hollywood System, Dunes South Detention Basin to Centennial Parkway, Phase 2 (PV = 93.0)**

**RWHW 0000 thru 0173** – This project consists of a 12’ x 10’ reinforced concrete box culvert in Las Vegas Boulevard and gabion and concrete lined open channel improvements within Nellis Airforce Base from Las Vegas Boulevard to future Dunes South Detention Basin. Design is underway. Construction funding is programmed in FY 18/19. FY 2019 eligible funding is approximately \$15.4 million for this project.

**Range – East Range – Range Wash – Ann Branch Phase 2 (PV = 82.5)**

**RWAN 0000, 0050** – This project consists of a 10’ x 7’ reinforced concrete box culvert in Mt. Hood Street from Tropical Parkway to Ann Road, and in Ann Road from Mt.

***FY 2019 Project List (continued)***

Hood Street to Hollywood Boulevard. Design is underway. Construction funding is programmed in FY 19/20. FY 2019 eligible funding is approximately \$10.0 million for this project.

**Range – East Range – Hollywood System, Centennial Parkway to Speedway #2 Detention Basin (PV = 86.0)**

**RWHW 0300 through 0412** – This project consists of upgrading two existing retention basins (Speedway #1 and Speedway #2 retention basins) by adding outfall facilities and expanding Speedway #2 retention basin volume to 245 acre-feet. Outfall facilities include open channel improvements, a 78” diameter reinforced concrete pipe crossing I-15 at Hollywood Boulevard, and 9’ x 8’ reinforced concrete box culvert from I-15 to Centennial Parkway. Design is underway. Construction funding is programmed in FY 19/20. FY 2019 eligible funding is approximately \$5.8 million for this project.

**Total Programmed First Year:     \$19,789,169**

**Total Eligible First Year:         \$75,500,059**

**Clark County (Las Vegas Valley)**

**(Duck Creek/Blue Diamond and Tropicana/Flamingo Planning Areas):**

**Tropicana/Flamingo – Wagon Trail Channel – Sunset Road to Teco (PV = 81.0)**

**WGTR 0111** – This project includes a 10’ x 6’ reinforced concrete box culvert in Procyon Street extending from Sunset Road to Teco Avenue. Design and Right-of-Way Acquisition are programmed in FY 18/19. Construction funding is programmed in FY 19/20. FY 2019 eligible funding is approximately \$2.1 million for this project.

**Tropicana/Flamingo – Flamingo Wash, Maryland to Palos Verde (PV = 79.0)**

**FLWA 0621 and 0673** – This project consists of open channel improvements from Maryland Parkway to Cambridge Street and from Swenson Street to Palos Verde Street. Design is programmed in FY 18/19 and construction funding is programmed in FY 19/20. FY 2019 eligible funding is approximately \$2.9 million for this project.

**Tropicana/Flamingo – Airport Channel – Naples (PV = 87.0)**

**TRMC 0013, 0031, and 0033** – This project consists of open channel improvements from Harmon Avenue to Tropicana Avenue and 120 acre-feet Tropicana Wash – McCarran Airport Offline Detention Basin. Design is underway. Construction funding is programmed in FY 18/19. FY 2019 eligible funding is approximately \$9.6 million for this project.

**Tropicana/Flamingo – Flamingo Wash, Industrial Road to Hotel Rio Drive (PV = 83.5)**

**FLWA 0893 and 0896** – This project consists of open (gabion) channel improvements in Flamingo Wash from the Union Pacific Railroad to Hotel Rio Drive. Design is

### *FY 2019 Project List (continued)*

underway. Construction funding is programmed in FY 18/19. FY 2019 eligible funding is approximately \$1.4 million for this project.

#### **Tropicana/Flamingo – Tropicana Avenue Conveyance – Las Vegas Wash to Boulder Highway (PV = 81.0)**

**LV01 0001 through 0118** – This project includes dual 8'x8' reinforced concrete box culvert and trapezoidal concrete channel of varying sizes along Tropicana Avenue extending from the Las Vegas Wash to Boulder Highway. Design is underway. Additional design funding is programmed in FY 18/19 and construction funding is programmed in FY 19/20. FY 2019 eligible funding is approximately \$19.6 million for this project.

#### **Duck Creek/Blue Diamond – Blue Diamond Wash – Arville Street to I-15 (PV = 83.0)**

**BDWA 0276** – This project is a 66" diameter reinforced concrete pipe storm drain in Robindale Road from Arville Street to I-15. Design is programmed in FY 18/19 and construction funding is programmed in FY 19/20. FY 2019 eligible funding is approximately \$5.4 million for this project.

#### **Duck Creek/Blue Diamond – Duck Creek/Blue Diamond, Bermuda Road to Las Vegas Boulevard (PV = 80.5)**

**DCBD 0075, 0082 and 0084** – This project includes reinforced concrete box culverts of varying sizes and concrete open channel along Duck Creek, Blue Diamond Wash extending from Las Vegas Boulevard to Bermuda Road. Design and Right-of-Way Acquisition are programmed in FY 18/19. Construction funding is programmed in FY 20/21. FY 2019 eligible funding is approximately \$6.1 million for this project.

#### **Duck Creek/Blue Diamond – Duck Creek Jones Boulevard (PV = 91.0)**

**DCJB 0000, 0043** – This project consists of 7' x 6' and 12' x 6' reinforced concrete box culvert from Irvin Avenue to Pyle Avenue to be constructed as part of Regional Transportation Commission of Southern Nevada *Jones – Cactus to Blue Diamond* project. Design is underway. Construction funding is programmed in FY 18/19. FY 2019 eligible funding is approximately \$2.2 million for this project.

#### **Duck Creek/Blue Diamond – Silverado Ranch Detention Basin and Outfall Facilities (PV = 82.5)**

**BD02 0125 through 0312, 0359 and 0385** – This project consists of 6' x 8' and 12' x 8' reinforced concrete box culvert in Decatur Boulevard from Frias Avenue to Le Baron Avenue, a 14' x 8' reinforced concrete box culvert inflow facility in Le Baron Avenue, a 170 acre-foot detention basin (Silverado Ranch Detention Basin), located south of Silverado Ranch Boulevard and west of Arville Street, a 72" reinforced concrete pipe outlet extending from the detention basin to Silverado Ranch Boulevard, an 84" reinforced concrete pipe in Silverado Ranch Boulevard from Arville Street to Dean Martin Drive, 9' x 6' reinforced concrete box culvert in Dean Martin Drive and Gary

### *FY 2019 Project List (continued)*

Avenue from Silverado Ranch Boulevard to the I-15, and open channel improvements along the west side of I-15 from the Meranto Avenue to Gary Avenue alignments. Design is underway. Construction funding is programmed in FY 19/20. FY 2019 eligible funding is approximately \$23.6 million for this project.

#### **Duck Creek/Blue Diamond – Blue Diamond Channel 02, Decatur – Le Baron to Richmar (PV = 92.0)**

**BD02 0334, 0358** – This project consists of 8' x 6' reinforced concrete box culvert within Decatur Boulevard from Richmar Avenue to Le Baron Avenue. The facility will collect runoff from the west and discharge to the future Silverado Ranch Detention Basin. The facility will be designed and constructed as part of the Regional Transportation Commission of Southern Nevada *Decatur, Cactus to Warm Springs* project. Design is underway. Construction funding is programmed in FY 18/19. FY 2019 eligible funding is approximately \$3.5 million for this project.

#### **Duck Creek/Blue Diamond – Blue Diamond Wash Railroad (PV = 79.0)**

**BDW5 0026** – This project will focus on early right-of-way acquisition for future channel improvements adjacent to a Union Pacific Railroad spur that extends from Blue Diamond Road to Rainbow Boulevard. Right-of-Way Acquisition is programmed in FY 18/19 and design is programmed in FY 19/20. Construction funding is programmed in FY 22/23. FY 2019 eligible funding is approximately \$0.40 million for this project.

#### **Duck Creek/Blue Diamond – Duck Creek Wash Tributary 4 – Detention Basin to Jones Boulevard (PV = 80.5)**

**DCW4 0298** – This project is the outfall pipe for the Duck Creek Railroad Detention Basin. The facility is an 8' x 5' reinforced concrete box culvert in Pyle Avenue from the Union Pacific Railroad to Jones Boulevard. Design is programmed in FY 18/19 and construction funding is programmed in FY 20/21. FY 2019 eligible funding is approximately \$5.7 million for this project.

#### **Duck Creek/Blue Diamond – Duck Creek, Sunset Park (PV = 80.0)**

**DCSP 0000** – This project consists of an 11' x 6' reinforced concrete box culvert from Duck Creek Wash to Eastern Avenue. Design is programmed in FY 18/19 and construction funding is programmed in FY 21/22. FY 2019 eligible funding is approximately \$1.0 million for this project.

#### **Duck Creek/Blue Diamond – Duck Creek Wash, Torrey Pines to Rainbow (PV = 91.5)**

**DCWA 1775, 1803, and 1827** – This Developer Participation project consists of open channel improvements in Duck Creek Wash from Rainbow Boulevard to just east of Torrey Pines Drive. Construction funding is programmed in FY 18/19. FY 2019 eligible funding is approximately \$0.60 million for this project.



*FY 2019 Project List (continued)*

**Duck Creek/Blue Diamond – Duck Creek Haven Street (PV = 91.0)**

**DCHV 0026, 0050, 0057** – This project consists of reinforced concrete box culverts ranging in size from 8' x 5' to 10' x 5' in Haven Street from Pyle Avenue to Cactus Avenue. Design is underway. Construction funding is programmed in FY 18/19. FY 2019 eligible funding is approximately \$4.1 million for this project.

**Clark County (Outlying Areas):**

The projects proposed on the TYCP for the Outlying Areas of Clark County include the following:

**Goodsprings – Goodsprings – Phase I**

**GSEA 0000, GSPA 0027 and 0029, and GSRV 0019** – This project consists of a riprap channel in Pacific Street and Revere Street discharging to the natural watercourse on the north side of Goodsprings. Design is underway. Right-of-Way Acquisition and construction funding are programmed in FY 18/19. The TYCP includes approximately \$0.90 million for this project.

**Muddy River and Tributaries – Fairgrounds – Detention Basin (Whipple Street)**

**FGWS 0000 through 0166** – This project is a 130 acre-foot detention basin and outfall facility located north of the Clark County Fair Grounds near Whipple Avenue and Heyer Street. Design is underway. Construction funding is programmed in FY 18/19. The TYCP includes approximately \$10.4 million for this project.

<b>Clark County (Las Vegas Valley) Programmed First Year:</b>	<b>\$25,611,747</b>
<b>Clark County (Las Vegas Valley) Eligible First Year:</b>	<b>\$88,190,578</b>

<b>Clark County (Outlying Areas) Programmed First Year:</b>	<b>\$11,325,580</b>
<b>Clark County (Outlying Areas) Eligible First Year:</b>	<b>\$11,325,580</b>

<b>Total Programmed First Year:</b>	<b>\$36,937,327</b>
<b>Total Eligible First Year:</b>	<b>\$99,516,158</b>

**Boulder City:**

**Hemenway – Hemenway System, Phase IIB Improvements**

**HMLV 0005, 0105 and HMLV 0006** – This project consists of improvements to the Hemenway Channel system located along the north side of US-93, and concrete channel improvements located north of Fire Agate Drive, extending south approximately 700' from US-93. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$0.70 million for this project.

<b>Total Programmed First Year:</b>	<b>\$ 0</b>
<b>Total Eligible First Year:</b>	<b>\$729,416</b>

***FY 2019 Project List (continued)***

**Mesquite:**

**Town Wash – Town Wash – Mesa Boulevard, El Dorado to Town Wash**

**TWMB 0000 through 0044, and TOWA 0120** – This project includes concrete channel improvements within the I-15 Freeway corridor extending approximately 2,400 linear feet northeast from Town Wash and 12' x 7' reinforced concrete box culvert extending north to El Dorado Road. Design is underway. Construction funding is programmed in FY 20/21. The TYCP includes approximately \$5.1 million for this project.

**Virgin River – Virgin River Flood Wall**

**VREC 0000** – This project includes approximately 4,300 linear feet of 17' high flood wall along the eastern edge of the City of Mesquite near Old Mill Road, extending south to Mesquite Boulevard. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$8.6 million for this project.

**Total Programmed First Year:**       \$           **0**

**Total Eligible First Year:**           **\$13,702,665**

## **EXHIBIT A**

# EXHIBIT A

## PROGRAMMING PERCENTAGES

Planning Area		Current MPU Total Costs (a)	Percent of Total Planning Area
<b>Henderson :</b>			
	C-1	\$33,164,068	1.83%
	Pittman	\$118,051,220	6.52%
	<b>Sub-total</b>	<b>\$151,215,288</b>	<b>8.35%</b>
<b>Las Vegas</b>			
	Central	\$395,297,740	21.82%
	Gowan	\$158,747,407	8.76%
	Upper Northern L V Wash	\$146,916,284	8.11%
	<b>Sub-total</b>	<b>\$700,961,431</b>	<b>38.70%</b>
<b>North Las Vegas</b>			
	Lower Northern L V Wash	\$141,545,513	7.81%
	Range	\$179,731,909	9.92%
	Lower L V Wash	\$26,866,588	1.48%
	<b>Sub-total</b>	<b>\$348,144,010</b>	<b>19.22%</b>
<b>Clark County</b>			
	Duck Cr/Blue Diamond	\$201,718,434	11.14%
	Tropicana/Flamingo	\$131,106,775	7.24%
	Outlying Areas	\$203,795,533	11.25%
	<b>Sub-total</b>	<b>\$536,620,742</b>	<b>29.62%</b>
<b>Boulder City :</b>			
	Boulder City	\$35,363,142	1.95%
	<b>Sub-total</b>	<b>\$35,363,142</b>	<b>1.95%</b>
<b>Mesquite :</b>			
	Mesquite	\$39,145,652	2.16%
	<b>Sub-total</b>	<b>\$39,145,652</b>	<b>2.16%</b>
<b>GRAND-TOTAL</b>		<b>\$1,811,450,265</b>	<b>100.00%</b>

Notes:

( a ) Cost of remaining Category A facilities from applicable Master Plans as of 1/21/14

## **EXHIBIT B**

# EXHIBIT B

## Project Prioritization

Priority Factor and Weight												Priority Value
Pop.	Land	Public	Access	Avoid.	Funding	Relation.	Implem.	Env.	O&M			
5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.5			
CITY OF HENDERSON												
HYDROGRAPHIC BASIN: PITTMAN												
PROJECT: Anthem Parkway Channel - Horizon Ridge to Sienna Heights												
PTAP 0018	4 20.0	4 18.0	4 16.0	4 14.0	3 9.0	3 7.5	3 6.0	3 4.5	3 3.0	2 1.0	99.0	
PROJECT: Whitney Wash Channel												
WWDC 0001, 0016, 0031, 0034, 0053, 0056, 0070	4 20.0	3 13.5	4 16.0	2 7.0	3 9.0	4 10.0	3 6.0	3 4.5	4 4.0	3 1.5	91.5	
PROJECT: Pittman East Detention Basin Stormwater Quality Retrofit												
PTEA 0439	4 20.0	3 13.5	4 16.0	2 7.0	3 9.0	4 10.0	3 6.0	3 4.5	3 3.0	3 1.5	90.5	
PROJECT: Pittman North Detention Basin to Larson Lane												
PTSD 0000, 0016, 0017, 0043	3 15.0	4 18.0	3 12.0	3 10.5	3 9.0	2 5.0	4 8.0	3 4.5	2 2.0	2 1.0	85.0	
PROJECT: Pittman, Larson Lane - Las Vegas Blvd. to Bermuda Rd.												
PTLA 0000, 0045, 0069, 0070, 0093, 0094, 0126	3 15.0	4 18.0	3 12.0	3 10.5	3 9.0	2 5.0	4 8.0	2 3.0	3 3.0	2 1.0	84.5	
PROJECT: Pittman North Detention Basin Outfall - St. Rose to Spencer												
PTNO 0000, 0073	3 15.0	3 13.5	3 12.0	3 10.5	3 9.0	2 5.0	3 6.0	2 3.0	3 3.0	3 1.5	78.5	
PROJECT: Galleria to Boulder Hwy.												
PTSU 0000, 0023	3 15.0	3 13.5	3 12.0	3 10.5	2 6.0	3 7.5	3 6.0	2 3.0	2 2.0	3 1.5	77.0	
PROJECT: Warm Springs Rd. to Lake Mead Pkwy (Boulder Hwy)												
PTPA 0261, 0285, 0325	3 15.0	3 13.5	3 12.0	3 10.5	2 6.0	2 5.0	3 6.0	3 4.5	3 3.0	3 1.5	77.0	
PROJECT: Pittman Wash, Eastern to Pecos												
PTWA 0346, 0409, 0412, 0478, 0486	3 15.0	3 13.5	3 12.0	3 10.5	2 6.0	2 5.0	3 6.0	3 4.5	3 3.0	3 1.5	77.0	
HYDROGRAPHIC BASIN: C-1												
PROJECT: Cadiz Storm Drain - Racetrack to Pueblo												
C1CA 0000	4 20.0	3 13.5	3 12.0	3 10.5	3 9.0	3 7.5	3 6.0	3 4.5	3 3.0	2 1.0	87.0	
PROJECT: C-1 Channel, SNWA Drop Structure to Lake Mead												
C1CH 0161, 0173, 0204	4 20.0	3 13.5	3 12.0	3 10.5	3 9.0	3 7.5	2 6.0	3 4.5	2 2.0	3 1.5	86.5	
PROJECT: Burkholder to Warm Springs (Lake Mead Pkwy)												
C1LM 0141, 0144, 0156, 0158, 0182, 0184	4 20.0	3 13.5	3 12.0	3 10.5	3 9.0	3 7.5	2 4.0	3 4.5	1 1.0	2 1.0	83.0	
PROJECT: Four Kids Wash - Lake Mead to Eagle Rock Road												
C1FK 0040	4 20.0	3 13.5	3 12.0	3 10.5	3 9.0	3 7.5	2 4.0	2 3.0	1 1.0	1 0.5	81.0	

# EXHIBIT B

## Project Prioritization

Priority Factor and Weight												Priority Value
Pop.	Land	Public	Access	Avoid.	Funding	Relation.	Implem.	Env.	O&M			
5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.5			
CITY OF LAS VEGAS												
HYDROGRAPHIC BASIN: CENTRAL												
PROJECT: Flamingo - Boulder Highway North - Boulder Hwy, Sahara to Charleston												
FLBN 0038	4	4	3	3	3	3	3	1	3	90.0		
	20.0	18.0	12.0	10.5	9.0	7.5	6.0	4.5	1.0		1.5	
PROJECT: Flamingo - Boulder Hwy North, Charleston - Boulder Hwy to Maryland Parkway and Maryland Pkwy System												
FLBN 0167, 0180, 0205, & FLMP 0000	4	4	3	3	3	3	2	3	2	3	89.0	
	20.0	18.0	12.0	10.5	9.0	7.5	4.0	4.5	2.0	1.5		
PROJECT: Flamingo - Boulder Hwy. North, Charleston - Main to Maryland												
FLBN 0281, 0312	4	4	3	3	3	3	2	3	1	2	87.5	
	20.0	18.0	12.0	10.5	9.0	7.5	4.0	4.5	1.0	1.0		
PROJECT: Freeway Channel - Washington, Rancho to Valley View												
LV15 0528	4	4	3	3	3	3	2	3	1	1	87.0	
	20.0	18.0	12.0	10.5	9.0	7.5	4.0	4.5	1.0	0.5		
PROJECT: Las Vegas Wash - Stewart to Bonanza												
LVMD 1121 & 1149	4	4	3	3	3	3	2	2	1	2	86.0	
	20.0	18.0	12.0	10.5	9.0	7.5	4.0	3.0	1.0	1.0		
PROJECT: Cedar Avenue Channel Improvements												
CACN 0001 & 0035, CNST 0000	4	4	3	3	3	2	2	3	1	3	85.5	
	20.0	18.0	12.0	10.5	9.0	5.0	4.0	4.5	1.0	1.5		
PROJECT: Las Vegas Wash - Bonanza - Las Vegas Wash to Lamb												
LVBZ 0000	4	3	3	3	3	2	3	3	2	3	84.0	
	20.0	13.5	12.0	10.5	9.0	5.0	6.0	4.5	2.0	1.5		
PROJECT: Owens Avenue East - LV Wash to Mojave												
LVOE 0000	4	3	4	3	3	2	2	2	2	1	83.5	
	20.0	13.5	16.0	10.5	9.0	5.0	4.0	3.0	2.0	0.5		
PROJECT: Meadows - Charleston, Essex to Lindell												
MECN 0000, 0061	4	3	3	3	3	2	2	3	2	2	81.5	
	20.0	13.5	12.0	10.5	9.0	5.0	4.0	4.5	2.0	1.0		
PROJECT: Owens Avenue East - Mojave to Eastern												
LVOE 0085	4	3	3	3	3	2	2	3	2	2	81.5	
	20.0	13.5	12.0	10.5	9.0	5.0	4.0	4.5	2.0	1.0		
PROJECT: Meadows - Charleston, Lindell to Rainbow												
MECN 0123, 0223	3	3	3	3	3	3	2	3	2	2	79.0	
	15.0	13.5	12.0	10.5	9.0	7.5	4.0	4.5	2.0	1.0		
PROJECT: Boulder Highway Sahara Avenue - Eastern to Boulder Hwy.												
BHSA 0000, 0026	3	3	4	3	3	2	2	2	1	2	78.0	
	15.0	13.5	16.0	10.5	9.0	5.0	4.0	3.0	1.0	1.0		
PROJECT: Sahara Avenue - Eastern Lateral												
SAEA 0000	3	3	3	3	3	2	2	3	1	3	76.0	
	15.0	13.5	12.0	10.5	9.0	5.0	4.0	4.5	1.0	1.5		
PROJECT: Freeway Channel - Washington, Valley View to Decatur												
LV15 0602	4	3	3	2	2	2	2	3	3	2	76.0	
	20.0	13.5	12.0	7.0	6.0	5.0	4.0	4.5	3.0	1.0		
PROJECT: Boulder Highway Sahara Avenue - Maryland to Eastern												
BHSA 0075	3	3	3	3	3	2	2	3	1	1	75.0	
	15.0	13.5	12.0	10.5	9.0	5.0	4.0	4.5	1.0	0.5		
PROJECT: Boulder Highway Sahara Avenue - LV Blvd. to Maryland												
BHSA 0175	3	3	3	3	3	2	2	3	1	1	75.0	
	15.0	13.5	12.0	10.5	9.0	5.0	4.0	4.5	1.0	0.5		

# EXHIBIT B

## Project Prioritization

Priority Factor and Weight												Priority Value
Pop.	Land	Public	Access	Avoid.	Funding	Relation.	Implem.	Env.	O&M			
5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.5			
HYDROGRAPHIC BASIN: GOWAN												
PROJECT: Gowan Box Canyon - Lone Mountain Road												
GOBX 0015	4 20.0	4 18.0	3 12.0	3 10.5	2 6.0	3 7.5	3 6.0	4 6.0	3 3.0	2 1.0	90.0	
PROJECT: Gowan Outfall - Alexander Rd., Decatur Blvd. to Simmons Street												
GOOF 0275, 0285, 0325, 0375	4 20.0	4 18.0	3 12.0	3 10.5	3 9.0	3 7.5	3 6.0	2 3.0	3 3.0	2 1.0	90.0	
PROJECT: Gowan Outfall - El Capitan Branch, Ann Road to Centennial												
GOEC 0100, 0126, 0152, 0176	4 20.0	3 13.5	3 12.0	3 10.5	3 9.0	3 7.5	3 6.0	3 4.5	3 3.0	2 1.0	87.0	
PROJECT: Gowan - Alexander Rd., Rancho to Decatur												
GOAL 0000	4 20.0	4 18.0	3 12.0	3 10.5	2 6.0	3 7.5	3 6.0	4 6.0	1 1.0	1 0.5	87.5	
PROJECT: Gowan - Rancho, Craig to Alexander												
GOAL 0100, 0111	4 19.0	4 18.0	3 12.0	3 10.5	3 9.0	3 7.5	3 6.0	3 4.5	2 2.0	2 1.0	89.5	
PROJECT: Gowan - Alexander Branch												
GOA2 0000	4 20.0	4 18.0	3 12.0	3 10.5	3 9.0	3 7.5	3 6.0	2 3.0	2 2.0	2 1.0	89.0	
PROJECT: Gowan - Craig and US-95												
GOAL 0168, 0247	4 20.0	3 13.5	3 12.0	3 10.5	3 9.0	3 7.5	3 6.0	3 4.5	1 1.0	2 1.0	85.0	
PROJECT: Gowan Outfall - Clayton Branch												
GOCL 0000	4 20.0	3 13.5	3 12.0	3 10.5	2 6.0	2 5.0	3 6.0	3 4.5	1 1.0	2 1.0	79.5	
HYDROGRAPHIC BASIN: UPPER NORTHERN LAS VEGAS WASH												
PROJECT: LVW - Moccasin, Skye Canyon Park to Upper LVW												
LVMO 0000	4 20.0	3 13.5	4 16.0	3 10.5	3 9.0	3 7.5	3 6.0	3 4.5	2 2.0	3 1.5	90.5	
PROJECT: Brent Drainage System - Durango to El Capitan												
BRDB 0107, 0157	3 15.0	3 13.5	3 12.0	3 10.5	3 9.0	3 7.5	3 6.0	3 4.5	1 1.0	3 1.5	80.5	



# EXHIBIT B

## Project Prioritization

Priority Factor and Weight												Priority Value
Pop.	Land	Public	Access	Avoid.	Funding	Relation.	Implem.	Env.	O&M			
5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.5			
CITY OF NORTH LAS VEGAS												
HYDROGRAPHIC BASIN: LOWER NORTHERN LAS VEGAS WASH												
PROJECT: Fifth Street Collector - Centennial to Deer Springs												
LV5C 0002, 0050	4	3	3	3	3	2	2	2	2	2	80.0	
	20.0	13.5	12.0	10.5	9.0	5.0	4.0	3.0	2.0	1.0		
PROJECT: North Las Vegas Detention Basin Upgrade												
LVUP 0406	4	3	3	3	2	2	2	2	2	2	77.0	
	20.0	13.5	12.0	10.5	6.0	5.0	4.0	3.0	2.0	1.0		
PROJECT: Las Vegas Boulevard Drain												
LVLV 0000	3	3	3	3	3	2	2	2	2	3	75.5	
	15.0	13.5	12.0	10.5	9.0	5.0	4.0	3.0	2.0	1.5		
PROJECT: Lake Mead Drain to Las Vegas Wash												
LVLE 0000, 0047	3	3	3	3	3	2	2	2	2	2	75.0	
	15.0	13.5	12.0	10.5	9.0	5.0	4.0	3.0	2.0	1.0		
HYDROGRAPHIC BASIN: RANGE												
PROJECT: Hollywood System, Dunes South Detention Basin to Centennial Pkwy, Ph 2												
RWHW 0000, 0038, 0080, 0136, 0173	4	4	3	3	3	3	3	4	3	2	93.0	
	20.0	18.0	12.0	10.5	9.0	7.5	6.0	6.0	3.0	1.0		
PROJECT: Orchard Collector - Charleston to Linden												
SLOR 0158	3	4	3	3	4	3	2	3	2	2	86.5	
	15.0	18.0	12.0	10.5	12.0	7.5	4.0	4.5	2.0	1.0		
PROJECT: Hollywood System, Centennial Pkwy to Speedway #2 Detention Basin												
RWHW 0300, 0355, 0369, 0410, 0412	3	3	4	4	3	2	3	3	2	2	86.0	
	15.0	13.5	16.0	14.0	9.0	5.0	6.0	4.5	2.0	1.0		
PROJECT: Vandenberg North Detention Basin, Collection & Outfall												
RWWE 0352, 0397 thru 0439	3	4	3	3	3	2	3	4	3	2	85.5	
	15.0	18.0	12.0	10.5	9.0	5.0	6.0	6.0	3.0	1.0		
PROJECT: Range Wash - Ann Branch, Phase 2												
RWAN 0000, 0050	3	3	3	3	3	3	3	3	3	3	82.5	
	15.0	13.5	12.0	10.5	9.0	7.5	6.0	4.5	3.0	1.5		
PROJECT: Beltway Collection System - Pecos												
RWWE 0463 & RWBW 0000	3	3	3	3	4	3	2	3	2	2	82.0	
	15.0	13.5	12.0	10.5	12.0	7.5	4.0	4.5	2.0	1.0		
PROJECT: Range Wash - Beltway Conveyance												
RWBW 0030, RWWE 0493 & 0517	3	3	3	3	3	3	3	2	2	2	79.5	
	15.0	13.5	12.0	10.5	9.0	7.5	6.0	3.0	2.0	1.0		
PROJECT: Owens Detention Basin & Outfall												
SLWA 0130 thru 0175 & SLOW 0000, 0005	3	3	3	3	4	2	2	2	2	2	78.0	
	15.0	13.5	12.0	10.5	12.0	5.0	4.0	3.0	2.0	1.0		
PROJECT: Range Wash - Alto Conveyance, Confluence DB to Los Feliz												
RWAL 0000, 0068	3	3	3	3	3	2	2	3	3	3	78.0	
	15.0	13.5	12.0	10.5	9.0	5.0	4.0	4.5	3.0	1.5		
PROJECT: Beltway Detention Basin & Channel												
RWRR 0107 thru 0261 & RWBE 0000	3	3	3	3	3	3	2	2	2	2	77.5	
	15.0	13.5	12.0	10.5	9.0	7.5	4.0	3.0	2.0	1.0		
PROJECT: Range Wash - Sloan Channel, Stewart Bridge												
RWSL 0188	3	3	3	3	3	2	2	2	2	2	75.0	
	15.0	13.5	12.0	10.5	9.0	5.0	4.0	3.0	2.0	1.0		
PROJECT: Speedway North Detention Basin and Outfall												
RWHW 0459, 0498, 0499, 0500	3	3	3	2	3	2	2	3	2	2	73.0	
	15.0	13.5	12.0	7.0	9.0	5.0	4.0	4.5	2.0	1.0		
PROJECT: Nellis Storm Drain - Sloan Channel to Craig												
SLNL 0000, 0064	3	3	3	2	2	2	2	2	2	2	68.5	
	15.0	13.5	12.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0		
PROJECT: Las Vegas Boulevard Storm Drain - Nellis to Range												
SLLV 0000	3	3	3	2	2	2	2	2	2	1	68.0	
	15.0	13.5	12.0	7.0	6.0	5.0	4.0	3.0	2.0	0.5		

# EXHIBIT B

## Project Prioritization

Priority Factor and Weight											
Pop.	Land	Public	Access	Avoid.	Funding	Relation.	Implem.	Env.	O&M	Priority Value	
5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.5		
<b>CLARK COUNTY</b>											
<b>HYDROGRAPHIC BASIN: Tropicana/ Flamingo</b>											
<b>PROJECT: Airport Channel - Naples</b>											
TRMC 0013, 0031, 0033	4	3	3	3	4	3	3	2	2	1	87.0
	20.0	13.5	12.0	10.5	12.0	7.5	6.0	3.0	2.0	0.5	
<b>PROJECT: Flamingo Wash - Industrial Rd. to Hotel Rio Dr.</b>											
FLWA 0893 & 0896	3	3	3	3	3	3	4	3	2	3	83.5
	15.0	13.5	12.0	10.5	9.0	7.5	8.0	4.5	2.0	1.5	
<b>PROJECT: Wagon Trail Channel - Sunset to Teco</b>											
WGTR 0111	3	3	3	3	3	3	3	2	3	3	81.0
	15.0	13.5	12.0	10.5	9.0	7.5	6.0	3.0	3.0	1.5	
<b>PROJECT: Tropicana Avenue Conveyance - Las Vegas Wash to Boulder Hwy.</b>											
LV01 0001, 0038, 0040, 0078, 0080, 0117, 0118	3	3	3	3	3	4	3	2	1	2	81.0
	15.0	13.5	12.0	10.5	9.0	10.0	6.0	3.0	1.0	1.0	
<b>PROJECT: Flamingo Wash - Maryland to Palos Verde</b>											
FLWA 0621 & 0673	3	3	3	3	3	3	3	2	2	1	79.0
	15.0	13.5	12.0	10.5	9.0	7.5	6.0	3.0	2.0	0.5	
<b>PROJECT: Tropicana Avenue Conveyance - Boulder Hwy. to Morris</b>											
LV01 0135	3	3	3	3	2	3	3	2	1	2	75.5
	15.0	13.5	12.0	10.5	6.0	7.5	6.0	3.0	1.0	1.0	
<b>PROJECT: Tropicana Avenue Conveyance, Morris to Mountain Vista</b>											
LV01 0151	3	3	2	3	3	2	3	2	2	2	73.0
	15.0	13.5	8.0	10.5	9.0	5.0	6.0	3.0	2.0	1.0	
<b>PROJECT: Flamingo - Cimarron Branch</b>											
FLCM 0003, 0040	3	3	2	3	3	2	3	2	2	2	73.0
	15.0	13.5	8.0	10.5	9.0	5.0	6.0	3.0	2.0	1.0	
<b>PROJECT: Flamingo Wash Maryland - UNLV</b>											
FLMR 0000	3	3	2	3	3	2	3	2	2	1	72.5
	15.0	13.5	8.0	10.5	9.0	5.0	6.0	3.0	2.0	0.5	
<b>PROJECT: Las Vegas Wash - Christy</b>											
LVCH 0000, 0114	3	3	2	3	3	2	3	2	2	1	72.5
	15.0	13.5	8.0	10.5	9.0	5.0	6.0	3.0	2.0	0.5	
<b>PROJECT: Las Vegas Wash - Branch 02 - Monson Chnl - Las Vegas Wash to Boulder Hwy.</b>											
LV02 0001 thru 0294	3	3	2	3	3	2	3	2	2	1	72.5
	15.0	13.5	8.0	10.5	9.0	5.0	6.0	3.0	2.0	0.5	
<b>PROJECT: Vegas Valley Drive - Flamingo Wash to Pecos</b>											
VAVD 0000 & 0025	3	3	3	2	3	3	2	1	2	1	72.0
	15.0	13.5	12.0	7.0	9.0	7.5	4.0	1.5	2.0	0.5	
<b>PROJECT: Blue Diamond - Buffalo Branch</b>											
BDBF 0010, 0076, 0125	3	3	3	3	3	2	1	2	1	1	71.5
	15.0	13.5	12.0	10.5	9.0	5.0	2.0	3.0	1.0	0.5	
<b>PROJECT: Las Vegas Wash - Boulder Highway</b>											
LVBH 0000	3	3	2	3	3	1	3	2	2	1	70.0
	15.0	13.5	8.0	10.5	9.0	2.5	6.0	3.0	2.0	0.5	
<b>HYDROGRAPHIC BASIN: Duck Creek/Blue Diamond</b>											
<b>PROJECT: Blue Diamond Channel 02, Decatur - Le Baron to Richmar</b>											
BD02 0334, 0358	4	3	3	3	3	4	3	4	3	4	92.0
	20.0	13.5	12.0	10.5	9.0	10.0	6.0	6.0	3.0	2.0	
<b>PROJECT: Duck Creek Wash, Torrey Pines to Rainbow</b>											
DCWA 1775, 1803, 1827	3	3	4	3	4	3	4	3	3	3	91.5
	15.0	13.5	16.0	10.5	12.0	7.5	8.0	4.5	3.0	1.5	
<b>PROJECT: Duck Creek Jones Boulevard</b>											
DCJB 0000, 0043	3	3	4	3	4	3	4	3	3	2	91.0
	15.0	13.5	16.0	10.5	12.0	7.5	8.0	4.5	3.0	1.0	
<b>PROJECT: Duck Creek Haven Street</b>											
DCHV 0026, 0050, 0057	3	3	4	3	4	3	4	3	3	2	91.0
	15.0	13.5	16.0	10.5	12.0	7.5	8.0	4.5	3.0	1.0	
<b>PROJECT: Blue Diamond Wash - Arville to I-15</b>											
BDWA 0276	3	3	3	3	3	3	3	3	3	4	83.0
	15.0	13.5	12.0	10.5	9.0	7.5	6.0	4.5	3.0	2.0	
<b>PROJECT: Silverado Ranch Detention Basin and Outfall Facilities</b>											
BD02 0125 thru 0312 & 0359 and 0385	3	3	3	3	3	3	3	3	3	3	82.5
	15.0	13.5	12.0	10.5	9.0	7.5	6.0	4.5	3.0	1.5	
<b>PROJECT: Duck Cr. / Blue Diamond, Bermuda to Las Vegas Blvd.</b>											
DCBD 0075, 0082 & 0084	3	3	3	3	3	3	3	3	2	1	80.5
	15.0	13.5	12.0	10.5	9.0	7.5	6.0	4.5	2.0	0.5	
<b>PROJECT: Duck Creek Wash Tributary 4 - Detention Basin to Jones</b>											
DCW4 0298	3	3	3	3	3	3	3	3	2	1	80.5
	15.0	13.5	12.0	10.5	9.0	7.5	6.0	4.5	2.0	0.5	
<b>PROJECT: Duck Creek, Sunset Park</b>											
DCSP 0000	4	3	3	3	3	2	2	2	2	2	80.0
	20.0	13.5	12.0	10.5	9.0	5.0	4.0	3.0	2.0	1.0	
<b>PROJECT: Blue Diamond Wash Railroad</b>											
BDW5 0026	1	4	4	3	4	1	4	3	2	1	79.0
	5.0	18.0	16.0	10.5	12.0	2.5	8.0	4.5	2.0	0.5	
<b>PROJECT: Blue Diamond Channel, Amigo to Rancho Destino</b>											
BDWA 0087 thru 0174	3	3	3	2	3	3	3	3	3	2	78.5
	15.0	13.5	12.0	7.0	9.0	7.5	6.0	4.5	3.0	1.0	

## **EXHIBIT C**

EXHIBIT C

CITY OF HENDERSON  
10-YEAR CONSTRUCTION PROGRAM  
ADOPTED

ADOPTED				FIRST FIVE YEARS 7/2018 THRU 6/2023					SECOND FIVE YEARS 7/2023 THRU 6/2028							
		Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 18/19	(Year 2) FY 19/20	(Year 3) FY 20/21	(Year 4) FY 21/22	(Year 5) FY 22/23	(Year 6) FY 23/24	(Year 7) FY 24/25	(Year 8) FY 25/26	(Year 9) FY 26/27	(Year 10) FY 27/28		
TOTAL PLAN				Annual Resources	\$913,426,313	\$49,548,970	\$237,862,133	\$43,366,964	\$46,854,684	\$50,380,134	\$54,347,619	\$244,971,101	\$48,896,551	\$52,961,248	\$57,163,131	
Unencumbered from previous year		\$27,073,778	Cumulative Available Resources	\$870,582,936	\$19,298,484	\$39,936,505	\$27,243,838	\$26,836,407	\$21,600,465	\$18,677,373	\$106,936,877	\$119,305,601	\$73,723,114	\$42,843,377		
ENTITY RESOURCES				Annual Resources	\$58,928,407	(\$11,687,643)	\$19,856,129	\$3,620,165	\$3,911,311	\$4,205,606	\$4,627,133	\$20,856,733	\$4,163,031	\$4,509,098	\$4,866,844	
Unencumbered from previous year		(\$15,823,866)	Cumulative Available Resources		(\$12,285,411)	\$6,079,259	\$526,723	\$3,652,869	\$4,383,630	\$2,030,450	\$18,260,274	\$14,445,472	\$9,081,921	\$13,948,765		
ENTITY TOTAL				\$511,244,291	\$152,887,140	\$44,979,642	\$597,769	\$1,491,460	\$9,172,700	\$785,165	\$3,474,845	\$6,980,312	\$4,626,909	\$7,977,834	\$9,872,649	\$0
HYDROGRAPHIC BASIN: PITTMAN				\$385,345,198	\$119,723,073	\$31,062,158	\$597,769	\$980,586	\$8,322,943	\$785,165	\$0	\$1,524,327	\$4,626,909	\$5,241,724	\$8,982,735	\$0
SYSTEM: Pittman Burns				\$62,860,544	\$16,710,795	\$389,636	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$389,636	\$0	\$0
PROJECT: Galleria to Boulder Hwy.																
Design/Admin		PTSU 0023, 0034	Design Started 09/10	\$331,728	\$389,636								\$41,740			
Right-of-way			HEN12H09 (Closed)	\$265,382									\$347,896			
Construction			Eng. Est.	\$2,371,852												
SYSTEM: Pittman Beltway				\$197,079,852	\$26,037,688	\$4,431,457	\$0	\$980,586	\$512,708	\$0	\$0	\$0	\$0	\$2,938,163	\$0	\$0
PROJECT: Anthem Parkway Channel - Horizon Ridge to Sienna Heights																
Design/Admin		PTAP 0018	Design Started 09/10	\$92,803	\$933,046	\$49,433										
Right-of-way			HEN22A09	\$74,242												
Construction				\$663,541		\$883,613										
PROJECT: Pittman North Detention Basin Outfall - St. Rose to Spencer																
Design/Admin		PTNO 0000, 0073		\$1,319,867	\$2,938,163								\$1,259,213			
Right-of-way				\$1,055,894									\$1,678,950			
Construction				\$9,437,053												
PROJECT: Pittman East Detention Basin Stormwater Quality Retrofit																
Design/Admin		PTEA 0439	Estimated costs	\$0	\$560,248	\$47,540	\$32,644									
Right-of-way				\$0												
Construction				\$0			\$480,064									
SYSTEM: Lower Pittman				\$124,601,910	\$21,181,633	\$9,561,334	\$597,769	\$0	\$7,810,235	\$0	\$0	\$0	\$0	\$1,153,330	\$0	\$0
PROJECT: Whitney Wash Channel																
Design/Admin		WWDC 0001, 0016, 0031, 0034, 0053, 0056, 0070	Design Started 09/10	\$808,000	\$8,408,004	\$597,769		\$443,305								
Right-of-way			HEN07D09 (closed)	\$161,000												
Construction			Eng. Est.	\$5,371,000			\$7,366,930									
PROJECT: Pittman Wash, Eastern to Pecos																
Design/Admin		PTWA 0346, 0409, 0412, 0478, 0486		\$1,208,885	\$1,153,330								\$1,153,330			
Right-of-way				\$967,107												
Construction				\$8,643,527												
SYSTEM: Pittman Pabco				\$173,330	\$7,135,222	\$760,595	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$760,595	\$0	\$0
PROJECT: Warm Springs Rd. to Lake Mead Pkwy (Boulder Hwy)																
Design/Admin		PTPA 0261, 0285, 0325		\$797,232	\$760,595								\$760,595			
Right-of-way				\$637,786												
Construction				\$5,700,206												
SYSTEM: Upper Pittman				\$629,562	\$48,657,734	\$15,919,136	\$0	\$0	\$0	\$785,165	\$0	\$1,524,327	\$4,626,909	\$0	\$8,982,735	\$0
PROJECT: Pittman North Detention Basin to Larson Lane																
Design/Admin		PTSD 0000, 0016, 0017, 0043		\$396,976	\$5,412,074				\$336,499		\$245,134					
Right-of-way				\$317,581				\$448,666								
Construction				\$2,838,375							\$4,381,775					
PROJECT: Pittman, Larson Lane - Las Vegas Blvd. to Bermuda Rd.																
Design/Admin		PTLA 0000, 0045, 0069, 0070, 0093, 0094, 0126		\$726,451	\$10,507,062						\$653,282			\$475,906		
Right-of-way				\$581,162							\$871,045					
Construction				\$5,194,132											\$8,506,829	

EXHIBIT C

CITY OF HENDERSON  
10-YEAR CONSTRUCTION PROGRAM  
ADOPTED

ADOPTED																	
				FIRST FIVE YEARS 7/2018 THRU 6/2023					SECOND FIVE YEARS 7/2023 THRU 6/2028								
		Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 18/19	(Year 2) FY 19/20	(Year 3) FY 20/21	(Year 4) FY 21/22	(Year 5) FY 22/23	(Year 6) FY 23/24	(Year 7) FY 24/25	(Year 8) FY 25/26	(Year 9) FY 26/27	(Year 10) FY 27/28			
TOTAL PLAN				Annual Resources	\$913,426,313	\$49,548,970	\$237,862,133	\$43,366,964	\$46,854,684	\$50,380,134	\$54,347,619	\$244,971,101	\$48,896,551	\$52,961,248	\$57,163,131		
Unencumbered from previous year		\$27,073,778	Cumulative Available Resources		\$870,582,936	\$19,298,484	\$39,936,505	\$27,243,838	\$26,836,407	\$21,600,465	\$18,677,373	\$106,936,877	\$119,305,601	\$73,723,114	\$42,843,377		
ENTITY RESOURCES				Annual Resources	\$58,928,407	(\$11,687,643)	\$19,856,129	\$3,620,165	\$3,911,311	\$4,205,606	\$4,627,133	\$20,856,733	\$4,163,031	\$4,509,098	\$4,866,844		
Unencumbered from previous year		(\$15,823,866)	Cumulative Available Resources			(\$12,285,411)	\$6,079,259	\$526,723	\$3,652,869	\$4,383,630	\$2,030,450	\$18,260,274	\$14,445,472	\$9,081,921	\$13,948,765		
ENTITY TOTAL					\$511,244,291	\$152,887,140	\$44,979,642	\$597,769	\$1,491,460	\$9,172,700	\$785,165	\$3,474,845	\$6,980,312	\$4,626,909	\$7,977,834	\$9,872,649	\$0
HYDROGRAPHIC BASIN: C-1					\$125,899,093	\$33,164,068	\$13,917,485	\$0	\$510,874	\$849,757	\$0	\$3,474,845	\$5,455,986	\$0	\$2,736,109	\$889,914	\$0
SYSTEM: C-1					\$125,899,093	\$33,164,068	\$13,917,485	\$0	\$510,874	\$849,757	\$0	\$3,474,845	\$5,455,986	\$0	\$2,736,109	\$889,914	\$0
PROJECT: Cadiz Storm Drain - Racetrack to Pueblo																	
Design/Admin		C1CA 0000		\$274,026	\$3,521,414		\$218,946			\$159,499							
Right-of-way				\$219,220			\$291,928										
Construction				\$1,959,285						\$2,851,041							
PROJECT: Four Kids Wash - Lake Mead to Eagle Rock Road																	
Design/Admin		C1FK 0040	Design Started 09/10	\$71,969	\$954,634						\$64,721				\$47,148		
Right-of-way			HEN04O09	\$57,575													
Construction				\$514,579											\$842,766		
PROJECT: C-1 Channel, SNWA Drop Structure to Lake Mead																	
Design/Admin		C1CH 0161, 0173, 0204		\$442,522	\$6,241,022			\$364,182			\$265,301						
Right-of-way				\$354,018				\$485,575									
Construction				\$3,420,050								\$5,125,964					
PROJECT: Burkholder to Warm Springs (Lake Mead Pkwy)																	
Design/Admin		C1LM 0141, 0144, 0156, 0158, 0182, 0184		\$227,913	\$3,200,414					\$198,988			\$144,959				
Right-of-way				\$182,331						\$265,317							
Construction				\$1,629,578										\$2,591,150			

EXHIBIT C

CITY OF LAS VEGAS  
10-YEAR CONSTRUCTION PROGRAM  
ADOPTED

ADOPTED					FIRST FIVE YEARS 7/2018 THRU 6/2023					SECOND FIVE YEARS 7/2023 THRU 6/2028						
		Fac. ID	Existing Value/	Project Cost	Total	(Year 1)	(Year 2)	(Year 3)	(Year 4)	(Year 5)	(Year 6)	(Year 7)	(Year 8)	(Year 9)	(Year 10)	
		Mile Range	Comments	Per MPU	Plan	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	
TOTAL PLAN					Annual Resources	\$913,426,313	\$49,548,970	\$237,862,133	\$43,366,964	\$46,854,684	\$50,380,134	\$54,347,619	\$244,971,101	\$48,896,551	\$52,961,248	\$57,163,131
Unencumbered from previous year		\$27,073,778	Cumulative Available Resources		\$870,582,936	\$19,298,484	\$39,936,505	\$27,243,838	\$26,836,407	\$21,600,465	\$18,677,373	\$106,936,877	\$119,305,601	\$73,723,114	\$42,843,377	
ENTITY RESOURCES					Annual Resources	\$345,726,730	\$18,384,647	\$92,043,477	\$16,781,344	\$18,130,957	\$19,495,170	\$21,449,164	\$96,681,796	\$19,297,812	\$20,902,011	\$22,560,352
Unencumbered from previous year		(\$788,895)	Cumulative Available Resources			\$18,384,647	\$4,624,903	\$3,141,747	\$3,643,862	\$3,408,780	\$5,407,768	\$35,918,568	\$46,807,342	\$22,552,030	\$364,448	
ENTITY TOTAL			\$957,137,971	\$684,948,614	\$345,362,282	\$0	\$105,803,221	\$18,264,499	\$17,628,842	\$19,730,252	\$19,450,177	\$66,170,996	\$8,409,039	\$45,157,323	\$44,747,933	
HYDROGRAPHIC BASIN: CENTRAL			\$403,721,788	\$385,155,042	\$221,844,434	\$0	\$46,066,919	\$5,816,836	\$17,628,842	\$10,104,597	\$14,464,485	\$54,139,830	\$287,320	\$28,587,672	\$44,747,933	
SYSTEM: LV Wash I-15 Tributary			\$109,476,848	\$77,154,912	\$18,666,281	\$0	\$611,496	\$0	\$0	\$8,408,159	\$654,002	\$0	\$0	\$8,992,624	\$0	
PROJECT: Freeway Channel - Washington, Valley View to Decatur																
Design/Admin		LV15 0602		\$727,252	\$9,646,626						\$654,002			\$476,430		
Right-of-way				\$581,802												
Construction				\$5,199,850										\$8,516,194		
PROJECT: Freeway Channel - Washington, Rancho to Valley View																
Design/Admin		LV15 0528		\$765,329	\$9,019,655		\$611,496			\$445,465						
Right-of-way				\$612,263												
Construction				\$5,472,102							\$7,962,694					
SYSTEM: LV Wash Central			\$285,079,544	\$133,972,846	\$70,210,749	\$0	\$0	\$0	\$17,628,842	\$1,696,437	\$0	\$50,885,470	\$0	\$0	\$0	
PROJECT: Las Vegas Wash - Stewart to Bonanza																
Design/Admin		LVMD 1121 & 1149	Design Started 11/12	\$582,295	\$6,210,968				\$329,058							
Right-of-way			CLA15D12 / LAS28C12	\$465,836												
Construction				\$4,163,416					\$5,881,911							
PROJECT: Meadows - Charleston, Essex to Lindell																
Design/Admin		MECN 0000, 0061		\$881,492	\$11,021,348				\$747,202			\$544,326				
Right-of-way				\$705,194												
Construction				\$6,302,669							\$9,729,820					
PROJECT: Meadows - Charleston, Lindell to Rainbow																
Design/Admin		MECN 0123, 0223		\$1,176,062	\$14,734,269					\$1,026,803		\$726,224				
Right-of-way				\$940,848												
Construction				\$8,408,837							\$12,981,242					
PROJECT: Cedar Avenue Channel Improvements																
Design/Admin		CACN 0001 & 0035, CNST 0000	Design Started 13/14	\$877,918	\$9,364,178				\$496,115							
Design/Admin			LAS25B13	\$702,335												
Construction				\$6,277,116					\$8,868,063							
PROJECT: Owens Avenue East - LV Wash to Mojave																
Design/Admin		LVOE 0000		\$1,541,300	\$19,270,967				\$1,306,493			\$951,760				
Right-of-way				\$1,233,040												
Construction				\$11,020,297							\$17,012,714					
PROJECT: Owens Avenue East - Mojave to Eastern																
Design/Admin		LVOE 0085		\$766,974	\$9,609,019					\$669,634		\$473,610				
Right-of-way				\$613,579												
Construction				\$5,483,861							\$8,465,775					
SYSTEM: Sahara Boulder Highway			\$9,165,396	\$174,027,284	\$132,967,404	\$0	\$45,455,423	\$5,816,836	\$0	\$0	\$13,810,483	\$3,254,361	\$287,320	\$19,595,048	\$44,747,933	
PROJECT: Boulder Highway Sahara Avenue - Eastern to Boulder Hwy.																
Design/Admin		BHSA 0000, 0026	Design Started 09/10	\$1,584,691	\$21,020,127						\$1,425,079			\$1,038,148		
Right-of-way			LAS27A09	\$1,267,753												
Construction				\$11,330,541										\$18,556,899		
PROJECT: Sahara Avenue - Eastern Lateral																
Design/Admin		SAEA 0000		\$301,160	\$287,320								\$287,320			
Right-of-way				\$240,928												
Construction				\$2,153,296												
PROJECT: Boulder Highway Sahara Avenue - Maryland to Eastern																
Design/Admin		BHSA 0075		\$1,451,440	\$19,830,201							\$1,344,407			\$979,380	
Right-of-way				\$1,161,152												
Construction				\$10,377,798										\$17,506,414		
PROJECT: Boulder Highway Sahara Avenue - LV Blvd. to Maryland																
Design/Admin		BHSA 0175		\$2,062,012	\$28,172,093							\$1,909,954			\$1,391,372	
Right-of-way				\$1,649,610												
Construction				\$14,743,385										\$24,870,768		
PROJECT: Flamingo - Boulder Hwy. North, Charleston - Main to Maryland																
Design/Admin		FLBN 0281, 0312	design start in 17/18	\$474,725	\$4,916,089			\$260,455								
Right-of-way			LAS29D17	\$379,780												
Construction				\$3,394,278				\$4,655,634								
PROJECT: Flamingo - Boulder Highway North - Boulder Hwy, Sahara to Charleston																
Design/Admin		FLBN 0038	Design started in 15/16	\$1,954,412	\$19,722,527		\$1,290,259									
Right-of-way			LAS29B15	\$1,563,530												
Construction			Engr's Est.	\$13,974,050			\$18,432,268									
PROJECT: Flamingo - Boulder Hwy North, Charleston - Boulder Hwy to Maryland Parkway and Maryland Pkwy System																
Design/Admin		FLBN 0167, 0180, 0205 & FLMP 0000	Design started in 16/17	\$1,863,218	\$25,732,897		\$992,471									
Right-of-way			LAS29C16	\$1,490,575												
Construction				\$13,322,013			\$24,740,425									
PROJECT: Las Vegas Wash - Bonanza - Las Vegas Wash to Lamb																
Design/Admin		LVBZ 0000		\$1,094,511	\$13,286,151			\$900,747			\$656,180					
Right-of-way				\$875,609												
Construction				\$7,825,754							\$11,729,224					

EXHIBIT C

CITY OF LAS VEGAS  
10-YEAR CONSTRUCTION PROGRAM  
ADOPTED

ADOPTED					FIRST FIVE YEARS 7/2018 THRU 6/2023					SECOND FIVE YEARS 7/2023 THRU 6/2028						
		Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 18/19	(Year 2) FY 19/20	(Year 3) FY 20/21	(Year 4) FY 21/22	(Year 5) FY 22/23	(Year 6) FY 23/24	(Year 7) FY 24/25	(Year 8) FY 25/26	(Year 9) FY 26/27	(Year 10) FY 27/28	
TOTAL PLAN					Annual Resources	\$913,426,313	\$49,548,970	\$237,862,133	\$43,366,964	\$46,854,684	\$50,380,134	\$54,347,619	\$244,971,101	\$48,896,551	\$52,961,248	\$57,163,131
Unencumbered from previous year		\$27,073,778	Cumulative Available Resources		\$870,582,936	\$19,298,484	\$39,936,505	\$27,243,838	\$26,836,407	\$21,600,465	\$18,677,373	\$106,936,877	\$119,305,601	\$73,723,114	\$42,843,377	
ENTITY RESOURCES					Annual Resources	\$345,726,730	\$18,384,647	\$92,043,477	\$16,781,344	\$18,130,957	\$19,495,170	\$21,449,164	\$96,681,796	\$19,297,812	\$20,902,011	\$22,560,352
Unencumbered from previous year		(\$788,895)	Cumulative Available Resources			\$18,384,647	\$4,624,903	\$3,141,747	\$3,643,862	\$3,408,780	\$5,407,768	\$35,918,568	\$46,807,342	\$22,552,030	\$364,448	
ENTITY TOTAL			\$957,137,971	\$684,948,614	\$345,362,282	\$0	\$105,803,221	\$18,264,499	\$17,628,842	\$19,730,252	\$19,450,177	\$66,170,996	\$8,409,039	\$45,157,323	\$44,747,933	
HYDROGRAPHIC BASIN: GOWAN			\$293,217,265	\$158,747,407	\$101,381,676	\$0	\$46,312,512	\$12,447,664	\$0	\$9,034,992	\$4,985,692	\$12,031,166	\$0	\$16,569,651	\$0	
SYSTEM: Gowan North			\$166,668,680	\$158,433,211	\$101,381,676	\$0	\$46,312,512	\$12,447,664	\$0	\$9,034,992	\$4,985,692	\$12,031,166	\$0	\$16,569,651	\$0	
PROJECT: Gowan Box Canyon - Lone Mountain Road																
Design/Admin		GOBX 0015	Design started in 15/16	\$544,616	\$5,475,601		\$290,098									
Right-of-way			LAS24I15	\$435,693												
Construction				\$3,894,007			\$5,185,503									
PROJECT: Gowan Outfall - Alexander Rd., Decatur Blvd. to Simmons Street																
Design/Admin		GOOF 0275, 0285 0325, 0375	Design started 16/17	\$2,944,788	\$32,001,616		\$1,568,585									
Right-of-way			NLV04K17	\$2,355,830												
Construction				\$22,853,410			\$30,433,031									
PROJECT: Gowan Outfall - Clayton Branch																
Design/Admin		GOCL 0000		\$1,340,021	\$17,774,703						\$1,205,052			\$877,862		
Right-of-way				\$1,072,016												
Construction				\$9,581,151									\$15,691,788			
PROJECT: Gowan Outfall - El Capitan Branch, Ann Road to Centennial																
Design/Admin		GOEC 0100, 0126, 0152, 0176	Design Started in 17/18	\$819,943	\$8,243,755		\$436,755									
Right-of-way			LAS24L17	\$655,955												
Construction				\$5,862,597			\$7,807,000									
PROJECT: Gowan - Alexander Rd., Rancho to Decatur																
Design/Admin		GOAL 0000	Design Started in 13/14	\$1,175,463	\$12,172,711			\$644,912								
Right-of-way			LAS30A13	\$940,370												
Construction			Engr's Est.	\$8,404,560			\$11,527,799									
PROJECT: Gowan - Rancho, Craig to Alexander																
Design/Admin		GOAL 0100, 0111		\$740,352	\$8,725,297		\$591,540			\$430,928						
Right-of-way				\$592,282												
Construction				\$5,293,519			\$7,702,830									
PROJECT: Gowan - Alexander Branch																
Design/Admin		GOA2 0000		\$334,099	\$4,055,592			\$274,953			\$200,299					
Right-of-way				\$267,279												
Construction				\$2,388,808							\$3,580,341					
PROJECT: Gowan - Craig and US-95																
Design/Admin		GOAL 0168, 0247		\$1,032,239	\$12,932,400					\$901,234		\$637,413				
Right-of-way				\$825,791												
Construction				\$7,380,512							\$11,393,753					
HYDROGRAPHIC BASIN: UPPER NORTHERN LV WASH			\$260,198,919	\$141,046,165	\$22,136,173	\$0	\$13,423,790	\$0	\$0	\$590,664	\$0	\$0	\$8,121,719	\$0	\$0	
SYSTEM: Upper Western Tributary			\$156,679,079	\$52,571,081	\$8,712,383	\$0	\$0	\$0	\$0	\$590,664	\$0	\$0	\$8,121,719	\$0	\$0	
PROJECT: Brent Drainage System - Durango to El Capitan																
Design/Admin		BRDB 0107, 0157		\$676,524	\$8,712,383					\$590,664			\$430,290			
Right-of-way				\$541,220												
Construction				\$4,837,150							\$7,691,429					
SYSTEM: Kyle Canyon			\$0	\$74,543,312	\$13,423,790	\$0	\$13,423,790	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
PROJECT: LVW - Moccasin, Skye Canyon Park to Upper LVW																
Design/Admin		LVMO 0000	design start in 17/18	\$1,335,162	\$13,423,790		\$711,194									
Right-of-way			LAS31A17	\$1,068,130												
Construction				\$9,546,409			\$12,712,596									

EXHIBIT C

CITY OF NORTH LAS VEGAS  
10-YEAR CONSTRUCTION PROGRAM  
ADOPTED

ADOPTED																
		Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	FIRST FIVE YEARS 7/2018 THRU 6/2023					SECOND FIVE YEARS 7/2023 THRU 6/2028					
						(Year 1) FY 18/19	(Year 2) FY 19/20	(Year 3) FY 20/21	(Year 4) FY 21/22	(Year 5) FY 22/23	(Year 6) FY 23/24	(Year 7) FY 24/25	(Year 8) FY 25/26	(Year 9) FY 26/27	(Year 10) FY 27/28	
TOTAL PLAN					Annual Resources	\$913,426,313	\$49,548,970	\$237,862,133	\$43,366,964	\$46,854,684	\$50,380,134	\$54,347,619	\$244,971,101	\$48,896,551	\$52,961,248	\$57,163,131
Unencumbered from previous year		\$27,073,778	Cumulative Available Resources		\$870,582,936	\$19,298,484	\$39,936,505	\$27,243,838	\$26,836,407	\$21,600,465	\$18,677,373	\$106,936,877	\$119,305,601	\$73,723,114	\$42,843,377	
ENTITY RESOURCES					Annual Resources	\$191,420,410	\$28,840,587	\$45,714,905	\$8,334,730	\$9,005,038	\$9,682,596	\$10,653,080	\$48,018,603	\$9,584,576	\$10,381,327	\$11,204,969
Unencumbered from previous year		\$19,317,733	Cumulative Available Resources			\$9,051,418	\$8,310,906	\$6,989,895	\$4,823,041	\$2,300,576	\$5,608,982	\$40,343,420	\$48,359,920	\$32,381,934	\$19,920,520	
ENTITY TOTAL			\$488,547,325	\$340,609,220	\$171,499,890	\$19,789,169	\$46,455,417	\$9,655,742	\$11,171,892	\$12,205,061	\$7,344,674	\$13,284,164	\$1,568,076	\$26,359,313	\$23,666,383	
	HYDROGRAPHIC BASIN: LOWER NORTHERN LV WASH		\$258,586,054	\$151,646,075	\$34,943,799	\$0	\$4,837,955	\$400,268	\$733,474	\$0	\$4,865,893	\$11,062,457	\$0	\$13,043,752	\$0	
	SYSTEM: LV Wash Craig		\$109,468,557	\$40,950,363	\$10,104,116	\$0	\$4,837,955	\$400,268	\$0	\$0	\$4,865,893	\$0	\$0	\$0	\$0	
	PROJECT: North Las Vegas Detention Basin Upgrade															
	Design/Admin	LVUP 0406		\$486,372	\$5,266,161			\$400,268			\$291,589					
	Right-of-way			\$389,097												
	Construction			\$3,051,982						\$4,574,304						
	PROJECT: Fifth Street Collector - Centennial to Deer Springs															
	Design/Admin	LV5C 0002, 0050	Design started 16/17	\$470,561	\$4,837,955		\$250,652									
	Right-of-way		NLV17C16	\$385,432												
	Construction			\$3,444,794			\$4,587,303									
	SYSTEM: Cheyenne Lamb Nellis			\$51,204,489	\$92,939,441	\$24,839,683	\$0	\$0	\$0	\$733,474	\$0	\$0	\$11,062,457	\$0	\$13,043,752	\$0
	PROJECT: Lake Mead Drain to Las Vegas Wash															
	Design/Admin	LVLE 0000, 0047		\$1,054,874	\$14,020,837							\$977,085		\$691,060		
	Right-of-way			\$843,900												
	Construction			\$7,542,353							\$12,352,693					
	PROJECT: Las Vegas Boulevard Drain															
	Design/Admin	LVLV 0000		\$865,296	\$10,818,846				\$733,474			\$534,325				
Right-of-way			\$692,237													
Construction			\$6,186,866							\$9,551,047						



EXHIBIT C

CITY OF NORTH LAS VEGAS  
10-YEAR CONSTRUCTION PROGRAM

ADOPTED

ADOPTED					FIRST FIVE YEARS 7/2018 THRU 6/2023					SECOND FIVE YEARS 7/2023 THRU 6/2028							
		Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 18/19	(Year 2) FY 19/20	(Year 3) FY 20/21	(Year 4) FY 21/22	(Year 5) FY 22/23	(Year 6) FY 23/24	(Year 7) FY 24/25	(Year 8) FY 25/26	(Year 9) FY 26/27	(Year 10) FY 27/28		
TOTAL PLAN					Annual Resources	\$913,426,313	\$49,548,970	\$237,862,133	\$43,366,964	\$46,854,684	\$50,380,134	\$54,347,619	\$244,971,101	\$48,896,551	\$52,961,248	\$57,163,131	
Unencumbered from previous year		\$27,073,778	Cumulative Available Resources		\$870,582,936	\$19,298,484	\$39,936,505	\$27,243,838	\$26,836,407	\$21,600,465	\$18,677,373	\$106,936,877	\$119,305,601	\$73,723,114	\$42,843,377		
ENTITY RESOURCES					Annual Resources	\$191,420,410	\$28,840,587	\$45,714,905	\$8,334,730	\$9,005,038	\$9,682,596	\$10,653,080	\$48,018,603	\$9,584,576	\$10,381,327	\$11,204,969	
Unencumbered from previous year		\$19,317,733	Cumulative Available Resources			\$9,051,418	\$8,310,906	\$6,989,895	\$4,823,041	\$2,300,576	\$5,608,982	\$40,343,420	\$48,359,920	\$32,381,934	\$19,920,520		
ENTITY TOTAL			\$488,547,325	\$340,609,220	\$171,499,890	\$19,789,169	\$46,455,417	\$9,655,742	\$11,171,892	\$12,205,061	\$7,344,674	\$13,284,164	\$1,568,076	\$26,359,313	\$23,666,383		
HYDROGRAPHIC BASIN: RANGE			\$126,569,409	\$162,096,557	\$136,556,091	\$19,789,169	\$41,617,462	\$9,255,474	\$10,438,418	\$12,205,061	\$2,478,781	\$2,221,708	\$1,568,076	\$13,315,560	\$23,666,383		
SYSTEM: Lower Range			\$65,749,662	\$24,394,411	\$15,533,708	\$3,533,490	\$1,061,265	\$0	\$10,438,418	\$0	\$0	\$500,535	\$0	\$0	\$0		
PROJECT: Range Wash - Alto Conveyance, Confluence DB to Los Feliz																	
Design/Admin		RWAL 0000, 0068		\$437,260	\$5,453,279	\$323,490			\$247,097								
Right-of-way				\$349,807			\$465,825										
Construction				\$3,126,408					\$4,416,866								
PROJECT: Orchard Collector - Charleston to Linden																	
Design/Admin		SLOR 0158	Design Started 00/01	\$34,705	\$3,210,000	\$210,000											
Right-of-way			CLA21A00	\$27,765													
Construction			Est.	\$205,629			\$3,000,000										
PROJECT: Owens Detention Basin & Outfall																	
Design/Admin		SLWA 0130 thru 0175 & SLOW 0000, 0005		\$558,925	\$6,318,998				\$315,851								
Right-of-way				\$447,140			\$595,440										
Construction				\$3,827,758					\$5,407,707								
PROJECT: Range Wash - Sloan Channel, Stewart Bridge																	
Design/Admin		RWSL 0188		\$60,043	\$551,431				\$50,896			\$37,077					
Right-of-way																	
Construction				\$300,214							\$463,459						
SYSTEM: West Range			\$58,235,363	\$101,410,556	\$74,068,686	\$894,265	\$24,758,255	\$9,255,474	\$0	\$12,205,061	\$0	\$1,721,172	\$1,568,076	\$0	\$23,666,383		
PROJECT: Beltway Detention Basin & Channel																	
Design/Admin		RWRR 0107 thru 0261 & RWBE 0000	Design Started 13/14	\$879,720	\$12,205,061					\$512,048							
Right-of-way			NLV09I13	\$703,778													
Construction			Eng. Est.	\$6,002,580					\$11,693,013								
PROJECT: Nellis Storm Drain - Sloan Channel to Craig																	
Design/Admin		SLNL 0000, 0064		\$1,858,202	\$25,387,555							\$1,721,172			\$1,253,848		
Right-of-way				\$1,486,562													
Construction				\$13,286,145												\$22,412,535	
PROJECT: Las Vegas Boulevard Storm Drain - Nellis to Range																	
Design/Admin		SLLV 0000		\$1,643,608	\$1,568,076								\$1,568,076				
Right-of-way				\$1,314,886													
Construction				\$11,751,798													
PROJECT: Range Wash - Beltway Conveyance																	
Design/Admin		RWBW 0030, RWWE 0493 & 0517		\$236,261	\$2,854,484	\$174,789		\$129,624									
Right-of-way				\$189,009		\$233,051											
Construction				\$1,689,267			\$2,317,020										
PROJECT: Vandenberg North Detention Basin, Collection & Outfall																	
Design/Admin		RWWE 0352, 0397 thru 0439	PreDesign Started 10/11	\$1,428,097	\$24,758,255		\$1,000,000										
Right-of-way			NLV09E11	\$1,142,479													
Construction			Eng. Est.	\$9,828,121			\$23,758,255										
PROJECT: Beltway Collection System - Pecos																	
Design/Admin		RWWE 0463 & RWBW 0000		\$657,498	\$7,295,255	\$486,425		\$360,733									
Right-of-way				\$525,998													
Construction				\$4,701,108			\$6,448,098										
SYSTEM: East Range			\$2,584,385	\$36,291,589	\$46,953,696	\$15,361,413	\$15,797,942	\$0	\$0	\$0	\$2,478,781	\$0	\$0	\$13,315,560	\$0		
PROJECT: Hollywood System, Dunes South Detention Basin to Centennial Pkwy, Ph 2																	
Design/Admin		RWHW 0000, 0038, 0080, 0136, 0173	Design Started 13/14	\$1,282,887	\$15,361,413	\$181,000											
Right-of-way			NLV03E13	\$1,026,309													
Construction			Eng. Est.	\$8,843,901			\$15,180,413										
PROJECT: Range Wash - Ann Branch, Phase 2																	
Design/Admin		RWAN 0000, 0050	Design started 16/17	\$1,259,809	\$9,998,188		\$671,056										
Right-of-way			NLV03F17	\$1,007,847													
Construction				\$9,007,636			\$9,327,132										
PROJECT: Hollywood System, Centennial Pkwy to Speedway #2 Detention Basin																	
Design/Admin		RWHW 0300, 0355, 0369, 0410, 0412	Design started 16/17	\$583,000	\$5,799,754		\$310,544										
Right-of-way			NLV03G17	\$466,399													
Construction				\$4,122,073			\$5,489,210										
PROJECT: Speedway North Detention Basin and Outfall																	
Design/Admin		RWHW 0459,0498, 0499, 0500		\$1,181,318	\$15,794,341						\$1,062,334			\$773,894			
Right-of-way				\$945,055								\$1,416,447					
Construction				\$7,657,738											\$12,541,666		

EXHIBIT C

CLARK COUNTY  
10-YEAR CONSTRUCTION PROGRAM  
ADOPTED

ADOPTED					FIRST FIVE YEARS 7/2018 THRU 6/2023					SECOND FIVE YEARS 7/2023 THRU 6/2028						
	Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 18/19	(Year 2) FY 19/20	(Year 3) FY 20/21	(Year 4) FY 21/22	(Year 5) FY 22/23	(Year 6) FY 23/24	(Year 7) FY 24/25	(Year 8) FY 25/26	(Year 9) FY 26/27	(Year 10) FY 27/28		
TOTAL PLAN			Annual Resources	\$913,426,313	\$49,548,970	\$237,862,133	\$43,366,964	\$46,854,684	\$50,380,134	\$54,347,619	\$244,971,101	\$48,896,551	\$52,961,248	\$57,163,131		
Unencumbered from previous year			\$27,073,778	Cumulative Available Resources	\$870,582,936	\$19,298,484	\$39,936,505	\$27,243,838	\$26,836,407	\$21,600,465	\$18,677,373	\$106,936,877	\$119,305,601	\$73,723,114	\$42,843,377	
ENTITY RESOURCES			Annual Resources	\$288,076,737	\$37,480,136	\$70,463,847	\$12,846,951	\$13,880,147	\$14,924,520	\$16,420,399	\$74,014,711	\$14,773,433	\$16,001,526	\$17,271,068		
Unencumbered from previous year			\$22,801,839	Cumulative Available Resources		\$542,810	\$16,967,339	\$18,912,510	\$15,146,663	\$13,186,330	\$15,275,992	\$16,661,175	\$12,861,730	\$11,708,805	\$9,351,321	
ENTITY TOTAL			\$1,066,286,455	\$547,373,058	\$278,725,415	\$36,937,327	\$54,039,318	\$10,901,779	\$17,645,994	\$16,884,853	\$14,330,737	\$72,629,527	\$18,572,877	\$17,154,451	\$19,628,552	
HYDROGRAPHIC BASIN: Tropicana/ Flamingo			\$693,370,426	\$158,884,827	\$127,657,545	\$12,122,181	\$23,401,728	\$340,000	\$357,288	\$374,393	\$14,330,737	\$39,763,507	\$18,572,877	\$17,154,451	\$1,240,382	
SYSTEM: Tropicana Flamingo Project			\$362,797,746	\$19,573,293	\$15,522,639	\$0	\$0	\$0	\$0	\$374,393	\$707,351	\$4,998,017	\$9,442,878	\$0	\$0	
	PROJECT: Blue Diamond - Buffalo Branch															
	Design/Admin	BDBF 0010, 0076, 0125		\$786,575	\$10,150,229						\$707,351		\$500,285			
	Design/Admin			\$629,259												
	Construction			\$5,624,008							\$8,942,593					
	PROJECT: Flamingo - Cimarron Branch															
	Design/Admin	FLCM 0003, 0040		\$428,816	\$5,372,410					\$374,393		\$264,796				
	Right-of-way			\$343,052												
	Construction			\$3,066,031						\$4,733,222						
	SYSTEM: Lower Flamingo			\$241,571,216	\$107,037,196	\$57,898,056	\$11,452,181	\$4,475,938	\$0	\$0	\$0	\$2,987,215	\$29,852,722	\$9,129,999	\$0	\$0
		PROJECT: Wagon Trail Channel - Sunset to Teco														
Design/Admin		WGTR 0111		\$176,000	\$2,073,324	\$130,207	\$93,749									
Right-of-way				\$140,800		\$173,609										
Construction				\$1,258,396			\$1,675,759									
PROJECT: Flamingo Wash, Maryland to Palos Verde																
Design/Admin		FLWA 0621 & 0673		\$269,188	\$2,905,579	\$199,149	\$143,387									
Right-of-way				\$215,351												
Construction				\$1,924,694			\$2,563,043									
PROJECT: Las Vegas Wash - Christy																
Design/Admin		LVCH 0000, 0114		\$1,970,430	\$24,738,127						\$1,771,966	\$1,216,750				
Right-of-way				\$1,576,344												
Construction				\$14,088,579						\$21,749,411						
PROJECT: Flamingo Wash Maryland - UNLV																
Design/Admin		FLMR 0000		\$590,847	\$7,417,897						\$531,336	\$364,851				
Right-of-way				\$472,678												
Construction				\$4,224,557						\$6,521,710						
PROJECT: Airport Channel - Naples																
Design/Admin		TRMC 0013, 0031, 0033	Design Started 13/14	\$328,199	\$9,549,217	\$184,051										
Right-of-way			CLA10H13	\$262,559												
Construction			Eng. Est.	\$2,346,621		\$9,365,166										
PROJECT: Vegas Valley Drive - Flamingo Wash to Pecos																
Design/Admin	VAVD 0000 & 0025		\$760,512	\$9,813,912						\$683,912		\$483,708				
Right-of-way			\$608,410													
Construction			\$5,437,663						\$8,646,291							
PROJECT: Flamingo Wash - Industrial Rd. to Hotel Rio Dr.																
Design/Admin	FLWA 0893 & 0896	Design Started 09/10	\$32,099	\$1,400,000	\$100,000											
Right-of-way		CLA10F10	\$25,679													
Construction		Eng. Est.	\$229,504		\$1,300,000											
SYSTEM: Lower LV Wash Tributaries			\$17,154,487	\$29,604,381	\$54,236,850	\$670,000	\$18,925,790	\$340,000	\$357,288	\$0	\$10,636,171	\$4,912,768	\$0	\$17,154,451	\$1,240,382	
	PROJECT: Tropicana Avenue Conveyance - Morris to Mountain Vista															
	Design/Admin	LV01 0151		\$421,501	\$5,270,056				\$357,288			\$260,279				
	Right-of-way			\$337,201												
	Construction			\$3,013,735						\$4,652,488						
	PROJECT: Las Vegas Wash - Boulder Highway															
	Design/Admin	LVBH 0000		\$1,225,497	\$1,240,382									\$1,240,382		
	Right-of-way			\$980,397												
	Construction			\$8,762,304												
	PROJECT: Tropicana Avenue Conveyance - Las Vegas Wash to Boulder Hwy															
	Design/Admin	LV01 0001, 0038, 0040 0078, 0080, 0117, 0118		\$1,006,260	\$19,595,790	\$670,000	\$725,790									
	Right-of-way			\$805,010												
	Construction		Eng. Est from CLA35A11	\$7,194,768		\$18,200,000										
	PROJECT: Tropicana Avenue Conveyance - Boulder Hwy. to Morris															
	Design/Admin	LV01 0135		\$268,969	\$9,702,895			\$340,000			\$362,895					
	Right-of-way			\$215,175												
	Construction		Eng. Est from CLA35A11	\$1,923,130				\$9,000,000								
	PROJECT: Las Vegas Wash - Branch 02 - Monson Chnl - Las Vegas Wash to Boulder Hwy.															
	Design/Admin	LV02 0001 thru 0294		\$1,415,886	\$18,427,727						\$1,273,276			\$927,562		
Right-of-way			\$1,132,709													
Construction			\$9,907,874							\$16,226,888						

EXHIBIT C

CLARK COUNTY  
10-YEAR CONSTRUCTION PROGRAM  
ADOPTED

ADOPTED					FIRST FIVE YEARS 7/2018 THRU 6/2023					SECOND FIVE YEARS 7/2023 THRU 6/2028						
	Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 18/19	(Year 2) FY 19/20	(Year 3) FY 20/21	(Year 4) FY 21/22	(Year 5) FY 22/23	(Year 6) FY 23/24	(Year 7) FY 24/25	(Year 8) FY 25/26	(Year 9) FY 26/27	(Year 10) FY 27/28		
TOTAL PLAN			Annual Resources	\$913,426,313	\$49,548,970	\$237,862,133	\$43,366,964	\$46,854,684	\$50,380,134	\$54,347,619	\$244,971,101	\$48,896,551	\$52,961,248	\$57,163,131		
Unencumbered from previous year			\$27,073,778	Cumulative Available Resources	\$870,582,936	\$19,298,484	\$39,936,505	\$27,243,838	\$26,836,407	\$21,600,465	\$18,677,373	\$106,936,877	\$119,305,601	\$73,723,114	\$42,843,377	
ENTITY RESOURCES			Annual Resources	\$288,076,737	\$37,480,136	\$70,463,847	\$12,846,951	\$13,880,147	\$14,924,520	\$16,420,399	\$74,014,711	\$14,773,433	\$16,001,526	\$17,271,068		
Unencumbered from previous year			\$22,801,839	Cumulative Available Resources	\$542,810	\$16,967,339	\$18,912,510	\$15,146,663	\$13,186,330	\$15,275,992	\$16,661,175	\$12,861,730	\$11,708,805	\$9,351,321		
ENTITY TOTAL			\$1,066,286,455	\$547,373,058	\$278,725,415	\$36,937,327	\$54,039,318	\$10,901,779	\$17,645,994	\$16,884,853	\$14,330,737	\$72,629,527	\$18,572,877	\$17,154,451	\$19,628,552	
	HYDROGRAPHIC BASIN: Duck Creek/ Blue Diamond		\$302,474,814	\$201,718,434	\$82,502,165	\$13,489,566	\$30,483,142	\$10,561,779	\$14,718,693	\$13,248,985	\$0	\$0	\$0	\$0	\$0	
	SYSTEM: Blue Diamond Tributaries		\$45,918,214	\$47,534,900	\$22,461,546	\$1,246,878	\$6,643,251	\$5,246,061	\$0	\$9,325,357	\$0	\$0	\$0	\$0	\$0	
		PROJECT: Blue Diamond Wash - Arville to I-15														
		Design/Admin	BDWA 0276		\$503,358	\$5,433,174	\$372,390	\$268,121								
		Right-of-way			\$402,686											
		Construction			\$3,599,007		\$4,792,663									
		PROJECT: Duck Cr. / Blue Diamond, Bermuda to Las Vegas Blvd.														
		Design/Admin	DCBD 0075, 0082 & 0084		\$506,588	\$6,120,548	\$374,780	\$277,937								
		Right-of-way			\$405,271		\$499,707									
		Construction			\$3,622,105		\$4,968,124									
		PROJECT: Blue Diamond Channel, Amigo to Rancho Destino														
		Design/Admin	BDWA 0087 thru 0174		\$848,814	\$10,907,824		\$678,201		\$494,059						
		Right-of-way			\$679,051		\$904,267									
		Construction			\$6,069,022		\$8,831,298									
	SYSTEM: Upper Duck Creek			\$66,782,047	\$74,969,770	\$39,554,582	\$6,475,344	\$23,839,891	\$5,315,718	\$0	\$3,923,628	\$0	\$0	\$0	\$0	\$0
		PROJECT: Duck Creek Jones Boulevard														
		Design/Admin	DCJB 0000, 0043	RTC Project	\$831,705	\$2,243,302	\$410,204									
		Right-of-way			\$665,364											
		Construction			\$5,946,690		\$1,833,098									
		PROJECT: Silverado Ranch Detention Basin and Outfall Facilities														
		Design/Admin	BD02 0125 thru 0312 & 0359 and 0385	Design Started 13/14	\$1,857,765	\$23,554,540		\$989,566								
		Right-of-way		CLA08S13	\$1,486,212											
		Construction			\$13,190,259		\$22,564,973									
		PROJECT: Blue Diamond Channel 02, Decatur - Le Baron to Richmar														
		Design/Admin	BD02 0334, 0358	RTC Project	\$430,297	\$3,500,000	\$500,000									
Right-of-way		No Design		\$344,239												
Construction				\$3,076,628	\$3,000,000											
PROJECT: Blue Diamond Wash Railroad																
Design/Admin	BDW5 0026		\$357,137	\$4,561,265		\$285,351		\$207,874								
Right-of-way			\$285,709		\$352,286											
Construction			\$2,553,531		\$3,715,754											
PROJECT: Duck Creek Wash Tributary 4 - Detention Basin to Jones																
Design/Admin	DCW4 0298		\$513,315	\$5,695,475	\$379,757		\$281,627									
Right-of-way			\$410,652													
Construction			\$3,670,199		\$5,034,091											
SYSTEM: Lower Duck Creek			\$165,125,232	\$22,785,422	\$15,739,574	\$1,020,882	\$0	\$0	\$14,718,693	\$0	\$0	\$0	\$0	\$0	\$0	
	PROJECT: Duck Creek, Sunset Park															
	Design/Admin	DCSP 0000		\$1,379,919	\$15,739,574	\$1,020,882		\$779,798								
	Design/Admin			\$1,103,935												
	Construction			\$9,866,422		\$13,938,894										
SYSTEM: Central Duck Creek			\$24,649,321	\$56,428,342	\$4,746,462	\$4,746,462	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	PROJECT: Duck Creek Wash, Torrey Pines to Rainbow															
	Design/Admin	DCWA 1775, 1803, 1827	Developer Participation	\$387,474	\$600,000											
	Right-of-way			\$309,979												
	Construction			\$2,770,438		\$600,000										
	PROJECT: Duck Creek Haven Street															
	Design/Admin	DCHV 0026, 0050, 0057	RTC Project	\$445,410	\$4,146,462	\$219,680										
	Right-of-way		No Design	\$356,329												
Construction			\$3,184,684	\$3,926,782												

EXHIBIT C

CLARK COUNTY  
10-YEAR CONSTRUCTION PROGRAM  
ADOPTED

ADOPTED					FIRST FIVE YEARS 7/2018 THRU 6/2023					SECOND FIVE YEARS 7/2023 THRU 6/2028						
		Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 18/19	(Year 2) FY 19/20	(Year 3) FY 20/21	(Year 4) FY 21/22	(Year 5) FY 22/23	(Year 6) FY 23/24	(Year 7) FY 24/25	(Year 8) FY 25/26	(Year 9) FY 26/27	(Year 10) FY 27/28	
TOTAL PLAN					Annual Resources	\$913,426,313	\$49,548,970	\$237,862,133	\$43,366,964	\$46,854,684	\$50,380,134	\$54,347,619	\$244,971,101	\$48,896,551	\$52,961,248	\$57,163,131
Unencumbered from previous year		\$27,073,778	Cumulative Available Resources		\$870,582,936	\$19,298,484	\$39,936,505	\$27,243,838	\$26,836,407	\$21,600,465	\$18,677,373	\$106,936,877	\$119,305,601	\$73,723,114	\$42,843,377	
ENTITY RESOURCES					Annual Resources	\$288,076,737	\$37,480,136	\$70,463,847	\$12,846,951	\$13,880,147	\$14,924,520	\$16,420,399	\$74,014,711	\$14,773,433	\$16,001,526	\$17,271,068
Unencumbered from previous year		\$22,801,839	Cumulative Available Resources			\$542,810	\$16,967,339	\$18,912,510	\$15,146,663	\$13,186,330	\$15,275,992	\$16,661,175	\$12,861,730	\$11,708,805	\$9,351,321	
ENTITY TOTAL			\$1,066,286,455	\$547,373,058	\$278,725,415	\$36,937,327	\$54,039,318	\$10,901,779	\$17,645,994	\$16,884,853	\$14,330,737	\$72,629,527	\$18,572,877	\$17,154,451	\$19,628,552	
HYDROGRAPHIC BASIN: Outlying Areas			\$70,441,215	\$186,769,797	\$68,565,705	\$11,325,580	\$154,448	\$0	\$2,570,013	\$3,261,475	\$0	\$32,866,020	\$0	\$0	\$18,388,170	
SYSTEM: Goodsprings			\$64,849	\$2,701,170	\$920,322	\$920,322	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	PROJECT: Goodsprings - Phase I															
	Design/Admin	GSEA 0000	Design Started 09/10	\$91,455	\$920,322	\$45,106										
	Right-of-way	GSPA 0027 & 0029	GSP01B10	\$55,910		\$68,939										
	Construction	GSRV 0019		\$653,904		\$806,277										
SYSTEM: Muddy River & Tributaries			\$25,323,000	\$118,662,000	\$45,633,876	\$10,405,257	\$0	\$0	\$2,570,013	\$0	\$0	\$15,658,810	\$0	\$0	\$16,999,796	
	PROJECT: Fairgrounds - Detention Basin (Whipple Street)															
	Design/Admin	FGWS 0000, 0075, 0105, 0128, 0164,0165, 0166	Design Started 10/11	\$1,197,000	\$10,405,257	\$564,678										
	Right-of-way		MOA03A11	\$0												
	Construction			\$8,344,000		\$9,840,580										
	PROJECT: Muddy River - Cooper to Yamashita															
	Design/Admin	MRLV 0395 thru 0508	MOA01B89	\$1,267,000	\$16,992,927				\$1,027,241		\$748,330					
	Right-of-way			\$1,141,713				\$1,542,771								
	Construction			\$9,261,000						\$13,674,585.06						
	PROJECT: Bryner Avenue to Lewis															
	Design/Admin	MRLV 0198, 0240, 0268, 0276	MOA01B89	\$1,395,000	\$18,235,691							\$1,235,895			\$900,331	
Right-of-way			\$0													
Construction			\$9,978,000							\$16,099,465						
SYSTEM: Mount Charleston			\$304,564	\$894,337	\$1,498,459	\$0	\$0	\$0	\$0	\$0	\$0	\$110,085	\$0	\$0	\$1,388,374	
	PROJECT: Rainbow Canyon Boulevard Bridge															
	Design/Admin	MTCH 0001		\$118,849	\$1,498,459							\$110,085			\$80,195	
	Right-of-way			\$0												
	Construction			\$775,488							\$1,308,179					
SYSTEM: Laughlin			\$33,124,938	\$58,328,851	\$17,729,191	\$0	\$154,448	\$0	\$0	\$3,067,275	\$0	\$14,507,469	\$0	\$0	\$0	
	PROJECT: Bridge Canyon Detention Basin															
	Design/Admin	LUHS 0415, 0416 , 0417		\$1,110,088	\$12,413,474					\$969,203		\$685,485				
	Right-of-way			\$0												
	Construction			\$6,969,201						\$10,758,787						
	PROJECT: Bridge Canyon Outfall															
	Design/Admin	LUHS 0315, 0316, 0317		\$252,575	\$3,283,716					\$220,519		\$155,966				
	Right-of-way			\$0												
	Construction			\$1,883,212						\$2,907,231						
	PROJECT: Hiko Detention Basin Expansion															
	Design/Admin	LUHS 0244		\$193,302	\$2,032,000		\$154,448			\$112,513						
Right-of-way			\$0													
Construction			\$1,212,966						\$1,765,040							
SYSTEM: Searchlight			\$1,411,509	\$3,224,834	\$2,783,858	\$0	\$0	\$0	\$0	\$194,201	\$0	\$2,589,657	\$0	\$0	\$0	
	PROJECT: Searchlight - West															
	Design/Admin	SRWE 0001 thru 0091		\$222,430	\$2,783,858					\$194,201		\$137,352				
	Right-of-way			\$0												
	Construction			\$1,588,526							\$2,452,306					

EXHIBIT C

CITY OF BOULDER CITY  
10-YEAR CONSTRUCTION PROGRAM  
ADOPTED

ADOPTED					FIRST FIVE YEARS 7/2018 THRU 6/2023					SECOND FIVE YEARS 7/2023 THRU 6/2028											
	Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 18/19	(Year 2) FY 19/20	(Year 3) FY 20/21	(Year 4) FY 21/22	(Year 5) FY 22/23	(Year 6) FY 23/24	(Year 7) FY 24/25	(Year 8) FY 25/26	(Year 9) FY 26/27	(Year 10) FY 27/28							
TOTAL PLAN					Annual Resources	\$913,426,313	\$49,548,970	\$237,862,133	\$43,366,964	\$46,854,684	\$50,380,134	\$54,347,619	\$244,971,101	\$48,896,551	\$52,961,248	\$57,163,131					
Unencumbered from previous year					\$27,073,778	Cumulative Available Resources					\$870,582,936	\$19,298,484	\$39,936,505	\$27,243,838	\$26,836,407	\$21,600,465	\$18,677,373	\$106,936,877	\$119,305,601	\$73,723,114	\$42,843,377
ENTITY RESOURCES					Annual Resources	\$6,674,896	(\$713,479)	\$4,643,546	\$846,610	\$914,697	\$983,521	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unencumbered from previous year					(\$1,680,774)	Cumulative Available Resources					(\$713,479)	\$3,055,371	\$1,634,724	\$2,519,198	\$181,655	\$181,655	\$181,655	\$181,655	\$181,655	\$181,655	\$181,655
ENTITY TOTAL					\$44,844,167	\$38,244,252	\$6,493,241	\$0	\$874,696	\$2,267,257	\$30,223	\$3,321,065	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
HYDROGRAPHIC BASIN: Boulder City					\$44,844,167	\$38,244,252	\$6,493,241	\$0	\$874,696	\$2,267,257	\$30,223	\$3,321,065	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
SYSTEM: Georgia/Buchanan					\$12,183,226	\$1,794,645	\$2,478,975	\$0	\$136,263	\$1,953,202	\$30,223	\$359,287	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
PROJECT: Georgia Buchanan Confluence Facilities																					
Design/Admin		GBGR 0003 & GBBC 0004		\$170,542	\$2,089,465	\$136,263		\$93,567													
Right-of-way				\$0																	
Construction				\$1,355,802		\$1,859,635															
PROJECT: Georgia Avenue Facilities - Vaquero Drive Bridge																					
Design/Admin		GBGR 0099		\$35,655	\$389,510			\$30,223	\$20,753												
Right-of-way				\$0																	
Construction				\$232,647				\$338,534													
SYSTEM: Hemenway					\$13,994,969	\$1,138,062	\$729,416	\$0	\$729,416	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
PROJECT: Hemenway System, Phase IIB Improvements																					
Design/Admin		HMWA 0005, 0105 & HMLV 0006	Design Started 09/10	\$35,887	\$729,416	\$47,719															
Right-of-way			BOU01C10	\$0																	
Construction			Eng. Est	\$69,980		\$681,697															
SYSTEM: North Railroad					\$10,883,089	\$1,852,616	\$106,937	\$0	\$9,018	\$97,919	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
PROJECT: Wells Drive Levee Lining																					
Design/Admin		NRIN 0088		\$11,287	\$106,937	\$9,018		\$6,192													
Right-of-way				\$0																	
Construction				\$66,875		\$91,727															
SYSTEM: West Airport					\$7,782,882	\$17,555,009	\$3,177,913	\$0	\$0	\$216,136	\$0	\$2,961,778	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
PROJECT: West Airport Facilities																					
Design/Admin		WAAP 0036, 0076, 0077		\$262,630	\$3,177,913			\$216,136			\$229,298										
Right-of-way				\$0																	
Construction				\$1,877,807				\$2,732,479													

EXHIBIT C

CITY OF MESQUITE  
10-YEAR CONSTRUCTION PROGRAM  
ADOPTED

ADOPTED					FIRST FIVE YEARS 7/2018 THRU 6/2023					SECOND FIVE YEARS 7/2023 THRU 6/2028						
		Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 18/19	(Year 2) FY 19/20	(Year 3) FY 20/21	(Year 4) FY 21/22	(Year 5) FY 22/23	(Year 6) FY 23/24	(Year 7) FY 24/25	(Year 8) FY 25/26	(Year 9) FY 26/27	(Year 10) FY 27/28	
TOTAL PLAN					Annual Resources	\$913,426,313	\$49,548,970	\$237,862,133	\$43,366,964	\$46,854,684	\$50,380,134	\$54,347,619	\$244,971,101	\$48,896,551	\$52,961,248	\$57,163,131
Unencumbered from previous year		\$27,073,778	Cumulative Available Resources		\$870,582,936	\$19,298,484	\$39,936,505	\$27,243,838	\$26,836,407	\$21,600,465	\$18,677,373	\$106,936,877	\$119,305,601	\$73,723,114	\$42,843,377	
ENTITY RESOURCES					Annual Resources	\$22,599,133	\$4,318,499	\$5,140,229	\$937,165	\$1,012,535	\$1,088,721	\$1,197,843	\$5,399,258	\$1,077,699	\$1,167,287	\$1,259,898
Unencumbered from previous year		\$3,247,740	Cumulative Available Resources			\$4,318,499	\$898,728	(\$3,961,761)	(\$2,949,226)	(\$1,860,506)	(\$9,827,474)	(\$4,428,216)	(\$3,350,517)	(\$2,183,230)	(\$923,332)	
ENTITY TOTAL			\$70,955,608	\$57,741,074	\$23,522,465	\$0	\$8,560,000	\$5,797,654	\$0	\$0	\$9,164,811	\$0	\$0	\$0	\$0	
	HYDROGRAPHIC BASIN: Mesquite		\$70,955,608	\$57,741,074	\$23,522,465	\$0	\$8,560,000	\$5,797,654	\$0	\$0	\$9,164,811	\$0	\$0	\$0	\$0	
	SYSTEM: Town Wash		\$31,271,987	\$20,342,184	\$13,764,060	\$0	\$0	\$5,727,160	\$0	\$0	\$8,036,900	\$0	\$0	\$0	\$0	
	PROJECT: Town Wash - Mesa Boulevard, El Dorado to Town Wash															
	Design/Admin	TWMB 0000	Design started 17/18	\$623,347	\$5,142,665			\$272,459								
	Right-of-way	thru 0044,	MES01E17	\$454,532												
	Construction	TOWA 0120		\$4,456,929				\$4,870,206								
	PROJECT: Town Wash Mesa Boulevard, El Dorado to Chaparral															
	Design/Admin	TWMB 0052, 0084, 0094		\$891,493	\$8,621,395			\$584,495			\$425,796					
	Right-of-way			\$713,195												
	Construction			\$6,374,180					\$7,611,104							
	SYSTEM: Virgin River			\$0	\$20,376,880	\$9,758,405	\$0	\$8,560,000	\$70,494	\$0	\$0	\$1,127,911	\$0	\$0	\$0	\$0
	PROJECT: Virgin River Flood Wall															
	Design/Admin	VREC 0000	Design started 15/16	\$78,530	\$8,560,000		\$560,000									
	Right-of-way		MES04A15	\$62,823												
	Construction		Eng Cost Est	\$465,287			\$8,000,000									
	PROJECT: Virgin River Erosion Protection, Phase I															
	Design/Admin	VREC 0203, 0323, 0508, 0519		\$107,520	\$1,198,405			\$70,494			\$51,354					
Right-of-way			\$926,240													
Construction			\$901,600						\$1,076,558							

## **EXHIBIT D**

**EXHIBIT D  
FISCAL YEAR 2018 - 2019  
PROJECT LIST**

	Facility ID Mile Range	(Year 1) FY 18/19	(Year 2) FY 19/20	(Year 3) FY 20/21
<b>CITY OF HENDERSON</b>	<b>TOTAL ELIGIBLE YEAR 1</b>	<b>\$9,341,050</b>		
	<b>ENTITY TOTAL</b>	<b>\$597,769</b>	<b>\$933,046</b>	<b>\$7,810,235</b>
<b>HYDROGRAPHIC BASIN: PITTMAN</b>		<b>\$597,769</b>	<b>\$933,046</b>	<b>\$7,810,235</b>
<b>SYSTEM: Pittman Beltway</b>		<b>\$0</b>	<b>\$933,046</b>	<b>\$0</b>
<b>PROJECT: Anthem Parkway Channel - Horizon Ridge to Sienna Heights</b>				
Design/Admin	PTAP 0018		\$49,433	
Construction			\$883,613	
<b>SYSTEM: Lower Pittman</b>		<b>\$597,769</b>	<b>\$0</b>	<b>\$7,810,235</b>
<b>PROJECT: Whitney Wash Channel</b>				
Design/Admin	WWDC 0001, 0016, 0031, 0034, 0053, 0056, 0070	\$597,769		\$443,305
Construction				\$7,366,930
<b>CITY OF LAS VEGAS</b>	<b>TOTAL ELIGIBLE YEAR 1</b>	<b>\$121,688,985</b>		
	<b>ENTITY TOTAL</b>	<b>\$0</b>	<b>\$104,600,185</b>	<b>\$17,088,800</b>
<b>HYDROGRAPHIC BASIN: CENTRAL</b>		<b>\$0</b>	<b>\$45,455,423</b>	<b>\$4,916,089</b>
<b>SYSTEM: Sahara Boulder Highway</b>		<b>\$0</b>	<b>\$45,455,423</b>	<b>\$4,916,089</b>
<b>PROJECT: Flamingo - Boulder Hwy. North, Charleston - Main to Maryland</b>				
Design/Admin	FLBN 0281, 0312			\$260,455
Construction				\$4,655,634
<b>PROJECT: Flamingo - Boulder Highway North - Boulder Hwy, Sahara to Charleston</b>				
Design/Admin	FLBN 0038		\$1,290,259	
Construction			\$18,432,268	
<b>PROJECT: Flamingo - Boulder Hwy North, Charleston - Boulder Hwy to Maryland Parkway and Maryland Pkwy System</b>				
Design/Admin	FLBN 0167, 0180, 0205 & FLMP 0000		\$992,471	
Construction			\$24,740,425	
<b>HYDROGRAPHIC BASIN: GOWAN</b>		<b>\$0</b>	<b>\$45,720,972</b>	<b>\$12,172,711</b>
<b>SYSTEM: Gowan North</b>		<b>\$0</b>	<b>\$45,720,972</b>	<b>\$12,172,711</b>
<b>PROJECT: Gowan Box Canyon - Lone Mountain Road</b>				
Design/Admin	GOBX 0015		\$290,098	
Construction			\$5,185,503	
<b>PROJECT: Gowan Outfall - Alexander Rd., Decatur Blvd. to Simmons Street</b>				
Design/Admin	GOOF 0275, 0285, 0325, 0375		\$1,568,585	
Construction			\$30,433,031	
<b>PROJECT: Gowan Outfall - El Capitan Branch, Ann Road to Centennial</b>				
Design/Admin	GOEC 0100, 0126, 0152, 0176		\$436,755	
Construction			\$7,807,000	
<b>PROJECT: Gowan - Alexander Rd., Rancho to Decatur</b>				
Design/Admin	GOAL 0000			\$644,912
Construction				\$11,527,799
<b>HYDROGRAPHIC BASIN: UPPER NORTHERN LV WASH</b>		<b>\$0</b>	<b>\$13,423,790</b>	<b>\$0</b>
<b>SYSTEM: Kyle Canyon</b>		<b>\$0</b>	<b>\$13,423,790</b>	<b>\$0</b>
<b>PROJECT: LVW - Moccasin, Skye Canyon Park to Upper LVW</b>				
Design/Admin	LVMO 0000		\$711,194	
Construction			\$12,712,596	
<b>CITY OF NORTH LAS VEGAS</b>	<b>TOTAL ELIGIBLE YEAR 1</b>	<b>\$75,500,059</b>		
	<b>ENTITY TOTAL</b>	<b>\$19,789,169</b>	<b>\$46,455,417</b>	<b>\$9,255,474</b>
<b>HYDROGRAPHIC BASIN: LOWER NORTHERN LV WASH</b>		<b>\$0</b>	<b>\$4,837,955</b>	<b>\$0</b>
<b>SYSTEM: LV Wash Craig</b>		<b>\$0</b>	<b>\$4,837,955</b>	<b>\$0</b>
<b>PROJECT: Fifth Street Collector - Centennial to Deer Springs</b>				
Design/Admin	LV5C 0002, 0050		\$250,652	
Construction			\$4,587,303	
<b>HYDROGRAPHIC BASIN: RANGE</b>		<b>\$19,789,169</b>	<b>\$41,617,462</b>	<b>\$9,255,474</b>
<b>SYSTEM: Lower Range</b>		<b>\$3,533,490</b>	<b>\$1,061,265</b>	<b>\$0</b>
<b>PROJECT: Range Wash - Alto Conveyance, Confluence DB to Los Feliz</b>				
Design/Admin	RWAL 0000, 0068	\$323,490		
Right-of-way			\$465,825	
<b>PROJECT: Orchard Collector - Charleston to Linden</b>				
Design/Admin	SLOR 0158	\$210,000		
Construction		\$3,000,000		
<b>PROJECT: Owens Detention Basin &amp; Outfall</b>				
Right-of-way	SLWA 0130 thru 0175 & SLOW 0000, 0005		\$595,440	
<b>SYSTEM: West Range</b>		<b>\$894,265</b>	<b>\$24,758,255</b>	<b>\$9,255,474</b>
<b>PROJECT: Range Wash - Beltway Conveyance</b>				
Design/Admin	RWBW 0030, RWWE 0493 & 0517	\$174,789		\$129,624
Right-of-way		\$233,051		
Construction				\$2,317,020
<b>PROJECT: Vandenberg North Detention Basin, Collection &amp; Outfall</b>				
Design/Admin	RWWE 0352, 0397 thru 0439		\$1,000,000	
Construction			\$23,758,255	
<b>PROJECT: Beltway Collection System - Pecos</b>				
Design/Admin	RWWE 0463 & RWBW 0000	\$486,425		\$360,733
Construction				\$6,448,098
<b>SYSTEM: East Range</b>		<b>\$15,361,413</b>	<b>\$15,797,942</b>	<b>\$0</b>
<b>PROJECT: Hollywood System, Dunes South Detention Basin to Centennial Pkwy, Ph 2</b>				
Design/Admin	RWHW 0000, 0038, 0080, 0136, 0173	\$181,000		
Construction		\$15,180,413		
<b>PROJECT: Range Wash - Ann Branch, Phase 2</b>				
Design/Admin	RWAN 0000, 0050		\$671,056	
Construction			\$9,327,132	
<b>PROJECT: Hollywood System, Centennial Pkwy to Speedway #2 Detention Basin</b>				
Design/Admin	RWHW 0300, 0355, 0369, 0410, 0412		\$310,544	
Construction			\$5,489,210	

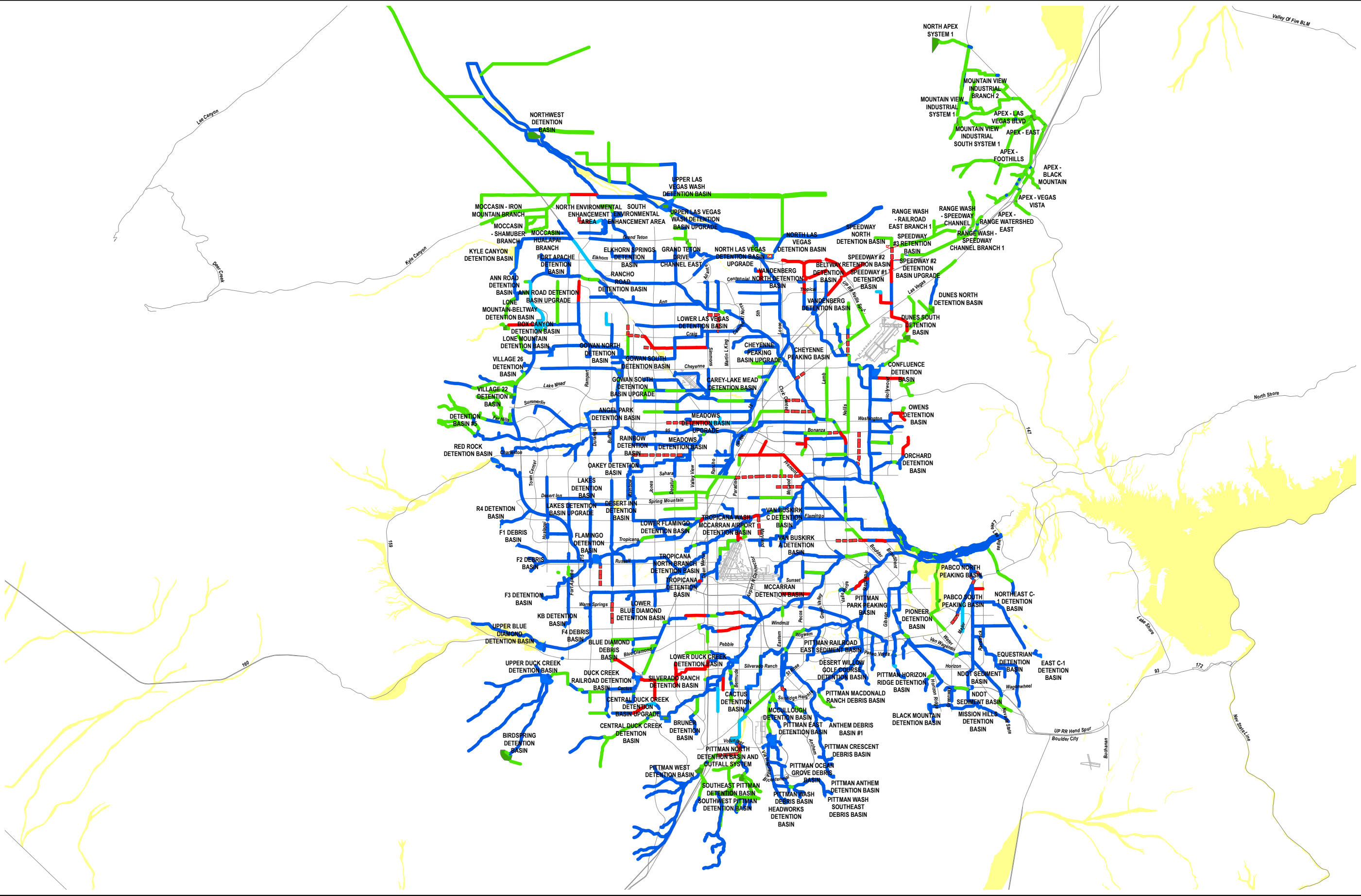


**EXHIBIT D  
FISCAL YEAR 2018 - 2019  
PROJECT LIST**

		Facility ID Mile Range	(Year 1) FY 18/19	(Year 2) FY 19/20	(Year 3) FY 20/21
<b>CLARK COUNTY</b>		<b>TOTAL ELIGIBLE YEAR 1</b>	<b>\$99,516,158</b>		
		<b>ENTITY TOTAL</b>	<b>\$36,937,327</b>	<b>\$52,017,051</b>	<b>\$10,561,779</b>
<b>HYDROGRAPHIC BASIN: Tropicana/ Flamingo</b>			<b>\$12,122,181</b>	<b>\$23,401,728</b>	<b>\$0</b>
<b>SYSTEM: Lower Flamingo</b>			<b>\$11,452,181</b>	<b>\$4,475,938</b>	<b>\$0</b>
<b>PROJECT: Wagon Trail Channel - Sunset to Teco</b>					
	Design/Admin	WGTR 0111	\$130,207	\$93,749	
	Right-of-way		\$173,609		
	Construction			\$1,675,759	
<b>PROJECT: Flamingo Wash, Maryland to Palos Verde</b>					
	Design/Admin	FLWA 0621 & 0673	\$199,149	\$143,387	
	Construction			\$2,563,043	
<b>PROJECT: Airport Channel - Naples</b>					
	Design/Admin	TRMC 0013, 0031, 0033	\$184,051		
	Construction		\$9,365,166		
<b>PROJECT: Flamingo Wash - Industrial Rd. to Hotel Rio Dr.</b>					
	Design/Admin	FLWA 0893 & 0896	\$100,000		
	Construction		\$1,300,000		
<b>SYSTEM: Lower LV Wash Tributaries</b>			<b>\$670,000</b>	<b>\$18,925,790</b>	<b>\$0</b>
<b>PROJECT: Tropicana Avenue Conveyance - Las Vegas Wash to Boulder Hwy.</b>					
	Design/Admin	LV01 0001, 0038, 0040 0078, 0080, 0117, 0118	\$670,000	\$725,790	
	Construction			\$18,200,000	
<b>HYDROGRAPHIC BASIN: Duck Creek/ Blue Diamond</b>			<b>\$13,489,566</b>	<b>\$28,615,323</b>	<b>\$10,561,779</b>
<b>SYSTEM: Blue Diamond Tributaries</b>			<b>\$1,246,878</b>	<b>\$5,060,784</b>	<b>\$5,246,061</b>
<b>PROJECT: Blue Diamond Wash - Arville to I-15</b>					
	Design/Admin	BDWA 0276	\$372,390	\$268,121	
	Construction			\$4,792,663	
<b>PROJECT: Duck Cr. / Blue Diamond, Bermuda to Las Vegas Blvd.</b>					
	Design/Admin	DCBD 0075, 0082 & 0084	\$374,780		\$277,937
	Right-of-way		\$499,707		
	Construction				\$4,968,124
<b>SYSTEM: Upper Duck Creek</b>			<b>\$6,475,344</b>	<b>\$23,554,540</b>	<b>\$5,315,718</b>
<b>PROJECT: Duck Creek Jones Boulevard</b>					
	Design/Admin	DCJB 0000, 0043	\$410,204		
	Construction		\$1,833,098		
<b>PROJECT: Silverado Ranch Detention Basin and Outfall Facilities</b>					
	Design/Admin	BD02 0125 thru 0312 & 0359 and 0385		\$989,566	
	Construction			\$22,564,973	
<b>PROJECT: Blue Diamond Channel 02, Decatur - Le Baron to Richmar</b>					
	Design/Admin	BD02 0334, 0358	\$500,000		
	Construction		\$3,000,000		
<b>PROJECT: Blue Diamond Wash Railroad</b>					
	Right-of-way	BDW5 0026	\$352,286		
	Construction				
<b>PROJECT: Duck Creek Wash Tributary 4 - Detention Basin to Jones</b>					
	Design/Admin	DCW4 0298	\$379,757		\$281,627
	Construction				\$5,034,091
<b>SYSTEM: Lower Duck Creek</b>			<b>\$1,020,882</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Duck Creek, Sunset Park</b>					
	Design/Admin	DCSP 0000	\$1,020,882		
	Construction				
<b>SYSTEM: Central Duck Creek</b>			<b>\$4,746,462</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Duck Creek Wash, Torrey Pines to Rainbow</b>					
	Construction	DCWA 1775, 1803, 1827	\$600,000		
	Design/Admin				
<b>PROJECT: Duck Creek Haven Street</b>					
	Design/Admin	DCHV 0026, 0050, 0057	\$219,680		
	Construction		\$3,926,782		
<b>HYDROGRAPHIC BASIN: Outlying Areas</b>			<b>\$11,325,580</b>	<b>\$0</b>	<b>\$0</b>
<b>SYSTEM: Goodsprings</b>			<b>\$920,322</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Goodsprings - Phase I</b>					
	Design/Admin	GSEA 0000, GSPA 0027 & 0029, GSRV 0019	\$45,106		
	Right-of-way		\$68,939		
	Construction		\$806,277		
<b>SYSTEM: Muddy River &amp; Tributaries</b>			<b>\$10,405,257</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Fairgrounds - Detention Basin (Whipple Street)</b>					
	Design/Admin	FGWS 0000, 0075, 0105, 0128, 0164, 0165, 0166	\$564,678		
	Construction		\$9,840,580		
<b>Boulder City</b>		<b>TOTAL ELIGIBLE YEAR 1</b>	<b>\$729,416</b>		
		<b>ENTITY TOTAL</b>	<b>\$0</b>	<b>\$729,416</b>	<b>\$0</b>
<b>HYDROGRAPHIC BASIN: Boulder City</b>			<b>\$0</b>	<b>\$729,416</b>	<b>\$0</b>
<b>SYSTEM: Hemenway</b>			<b>\$0</b>	<b>\$729,416</b>	<b>\$0</b>
<b>PROJECT: Hemenway System, Phase IIB Improvements</b>					
	Design/Admin	HMWA 0005, 0105, & HMLV 0006		\$47,719	
	Construction			\$681,697	
<b>CITY OF MESQUITE</b>		<b>TOTAL ELIGIBLE YEAR 1</b>	<b>\$13,702,665</b>		
		<b>ENTITY TOTAL</b>	<b>\$0</b>	<b>\$8,560,000</b>	<b>\$5,142,665</b>
<b>HYDROGRAPHIC BASIN: Mesquite</b>			<b>\$0</b>	<b>\$8,560,000</b>	<b>\$5,142,665</b>
<b>SYSTEM: Town Wash</b>			<b>\$0</b>	<b>\$0</b>	<b>\$5,142,665</b>
<b>PROJECT: Town Wash - Mesa Boulevard, El Dorado to Town Wash</b>					
	Design/Admin	TWMB 0000 thru 0044, TOWA 0120			\$272,459
	Construction				\$4,870,206
<b>SYSTEM: Virgin River</b>			<b>\$0</b>	<b>\$8,560,000</b>	<b>\$0</b>
<b>PROJECT: Virgin River Flood Wall</b>					
	Design/Admin	VREC 0000		\$560,000	
	Construction			\$8,000,000	

**MAPS**

# TEN-YEAR CONSTRUCTION PROGRAM LAS VEGAS VALLEY



**LEGEND**

**Conveyances**

**STATUS**

Completed

Under Construction

EFS

Proposed

Ten Year - 1st Five

Ten Year - 2nd Five

**Detention Basins**

**STATUS**

Completed

Under Construction

EFS

Proposed

Ten Year - 1st Five

Ten Year - 2nd Five

**100 Year Flood Zones**

100-Year Flood Zone

1 inch = 4.4 miles

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

DATA SOURCES:  
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT  
CLARK COUNTY GISMO  
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:  
FEMA 2002 DIGITAL FIRM. NOT THE EFFECTIVE FIRM. ALL INFORMATION IS SUBJECT TO CHANGE. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA DELINEATED HEREON. ALL INQUIRIES INTO THE STATUS OF CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT FACILITIES SHOULD BE MADE TO THE DISTRICT OFFICE AT 600 S. GRAND CENTRAL PKWY, SUITE 300, LAS VEGAS, NEVADA 89106-4511.

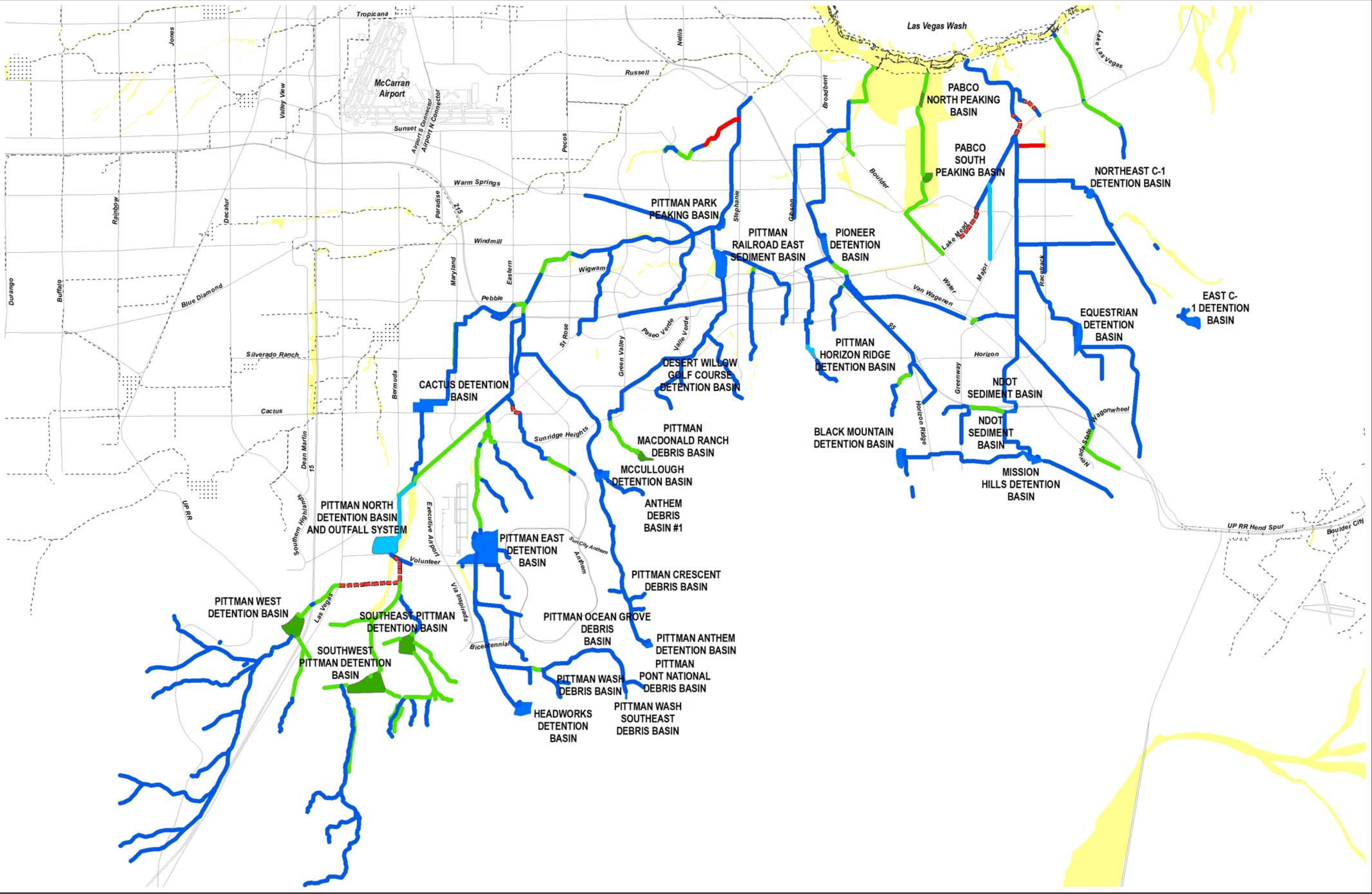
May 2018

REGIONAL FLOOD CONTROL DISTRICT



# TEN-YEAR CONSTRUCTION PROGRAM

## PITTMAN WASH AND C-1 CHANNEL PLANNING AREA



**LEGEND**

**Conveyances**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**Detention Basins**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**100 Year Flood Zones**

- 100-Year Flood Zone

1 inch = 1.7 miles

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

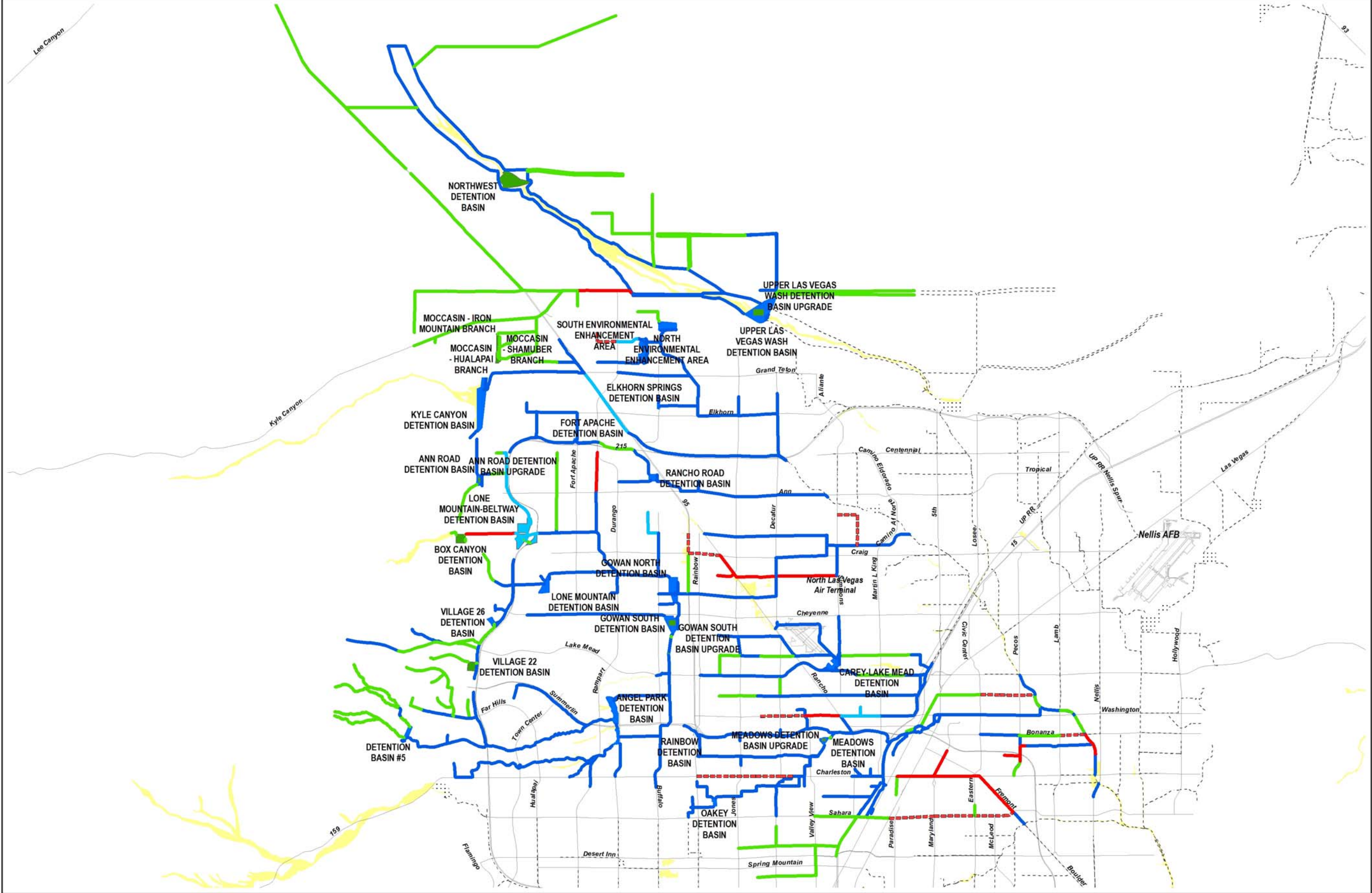
DATA SOURCES:  
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT  
CLARK COUNTY GISMO  
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:  
FEMA 2002 DIGITAL FIRM. NOT THE EFFECTIVE FIRM. ALL INFORMATION IS SUBJECT TO CHANGE. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA DELINEATED HEREON. ALL INQUIRIES INTO THE STATUS OF CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT FACILITIES SHOULD BE MADE TO THE DISTRICT OFFICE AT 600 S. GRAND CENTRAL PKWY, SUITE 300, LAS VEGAS, NEVADA 89106-4511.



# TEN-YEAR CONSTRUCTION PROGRAM

## GOWAN, CENTRAL AND UPPER NORTHERN BASINS PLANNING AREA



**LEGEND**

**Conveyances**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**Detention Basins**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**100 Year Flood Zones**

- 100-Year Flood Zone

1 inch = 2.44 miles

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

DATA SOURCES:  
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT  
CLARK COUNTY GISMO  
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:  
FEMA 2002 DIGITAL FIRM: NOT THE EFFECTIVE FIRM. ALL INFORMATION IS SUBJECT TO CHANGE. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA DELINEATED HEREON. ALL INQUIRIES INTO THE STATUS OF CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT FACILITIES SHOULD BE MADE TO THE DISTRICT OFFICE AT 600 S. GRAND CENTRAL PKWY, SUITE 300, LAS VEGAS, NEVADA 89106-4511.

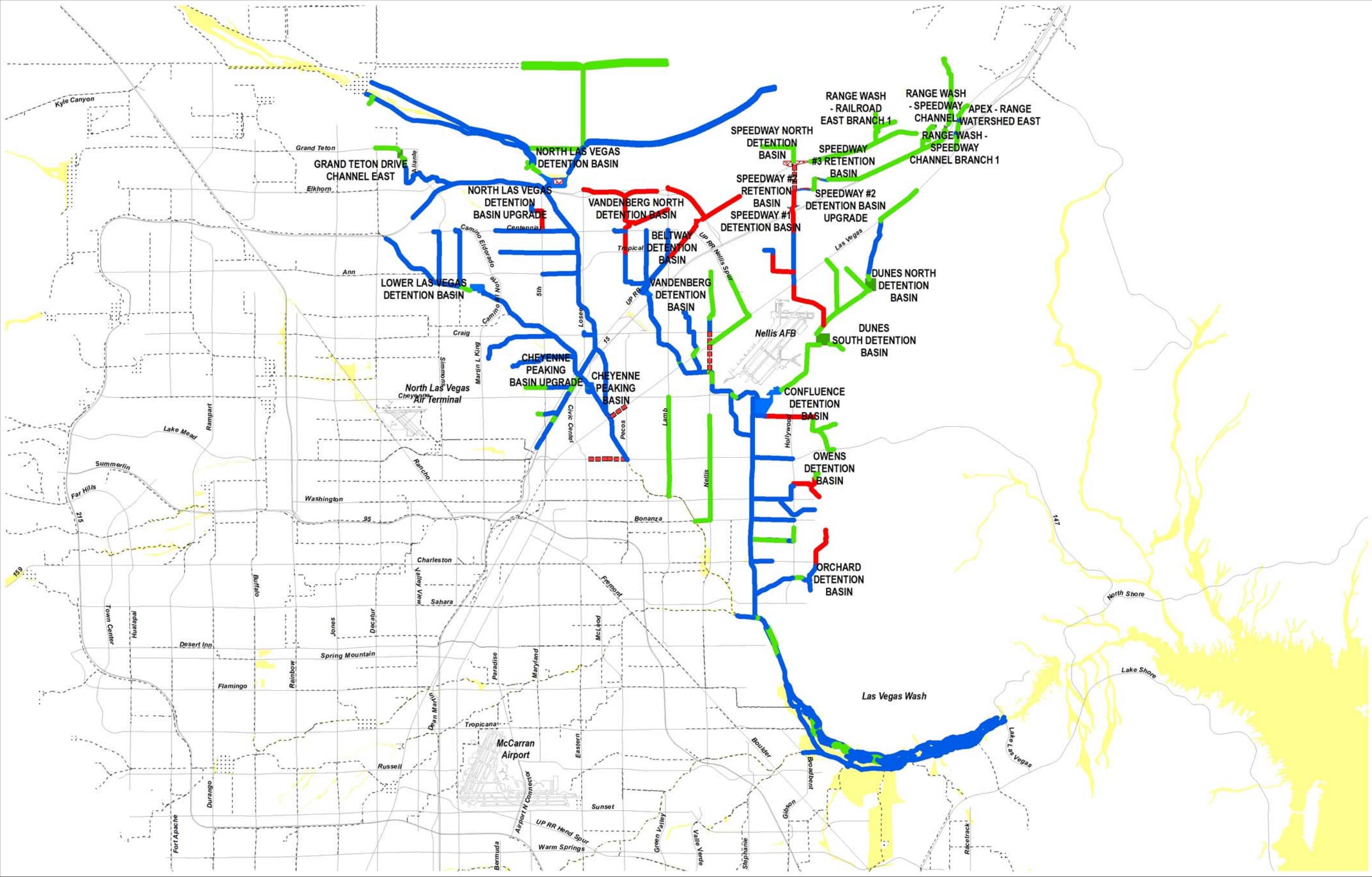
May 2018

**REGIONAL FLOOD CONTROL DISTRICT**



# TEN-YEAR CONSTRUCTION PROGRAM

## LOWER NORTHERN, RANGE, AND LOWER LAS VEGAS WASH BASINS PLANNING AREA



**LEGEND**

**Conveyances**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**Detention Basins**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**100 Year Flood Zones**

- 100-Year Flood Zone

1 inch = 2.36 miles

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

DATA SOURCES:  
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT  
CLARK COUNTY GISMO  
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:  
FEMA 2002 DIGITAL FIRM, NOT THE EFFECTIVE FIRM. ALL INFORMATION IS SUBJECT TO CHANGE. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA DELINEATED HEREON. ALL INQUIRIES INTO THE STATUS OF CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT FACILITIES SHOULD BE MADE TO THE DISTRICT OFFICE AT 500 S. GRAND CENTRAL PKWY, SUITE 300, LAS VEGAS, NEVADA 89106-4511.

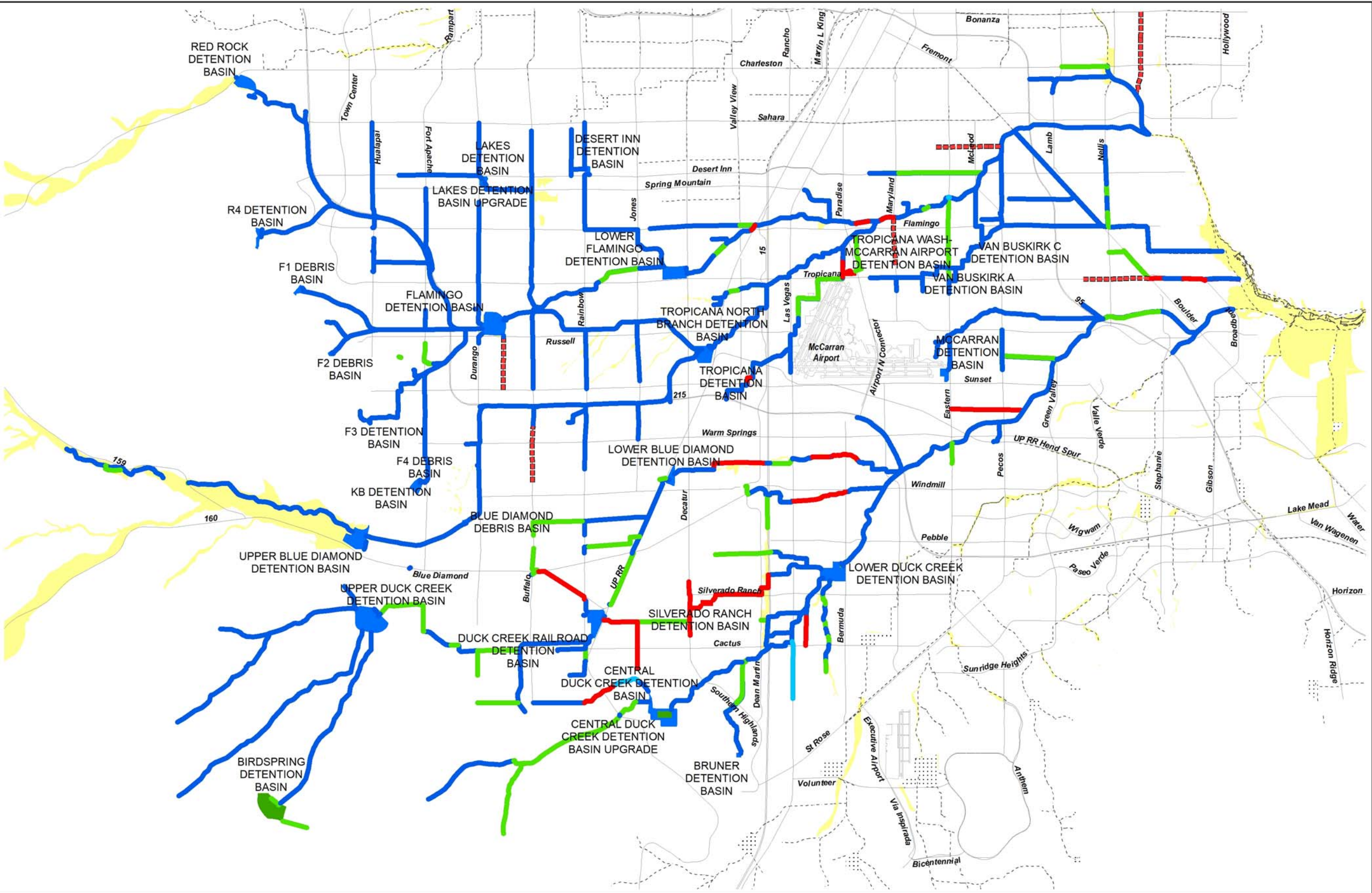
May 2018

**REGIONAL FLOOD CONTROL DISTRICT**



# TEN-YEAR CONSTRUCTION PROGRAM

## FLAMINGO, TROPICANA, DUCK CREEK, AND BLUE DIAMOND PLANNING AREA



**LEGEND**

**Conveyances**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**Detention Basins**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**100 Year Flood Zones**

- 100-Year Flood Zone

1 inch = 1.88 miles

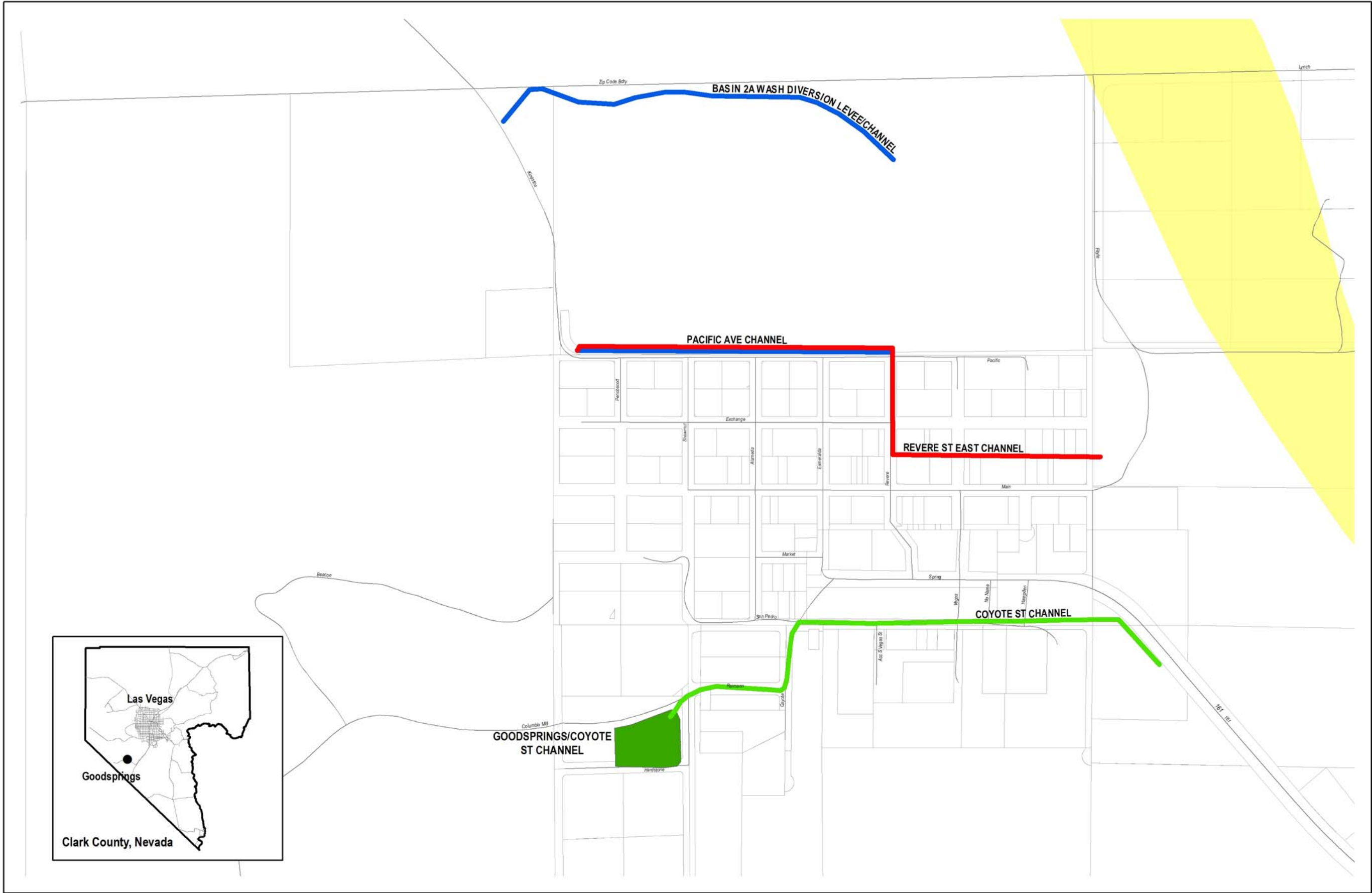
THIS MAP IS FOR GRAPHIC USE ONLY AND DOES NOT REPRESENT A SURVEY. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA DELINEATED HEREON.

DATA SOURCES:  
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT  
CLARK COUNTY GISMO  
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:  
FEMA 2002 DIGITAL FIRM. NOT THE EFFECTIVE FIRM. ALL INFORMATION IS SUBJECT TO CHANGE. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA DELINEATED HEREON. ALL INQUIRIES INTO THE STATUS OF CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT FACILITIES SHOULD BE MADE TO THE DISTRICT OFFICE AT 600 S. GRAND CENTRAL PKWY, SUITE 300, LAS VEGAS, NEVADA 89106-4511.



TEN-YEAR CONSTRUCTION PROGRAM  
GOODSPRINGS PLANNING AREA



**LEGEND**

**Conveyances**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**Detention Basins**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**100 Year Flood Zones**

- 100-Year Flood Zone



1 inch = 0.09 miles

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

DATA SOURCES:  
CLARK COUNTY REGIONAL FLOOD  
CONTROL DISTRICT  
CLARK COUNTY GISMO  
FEMA

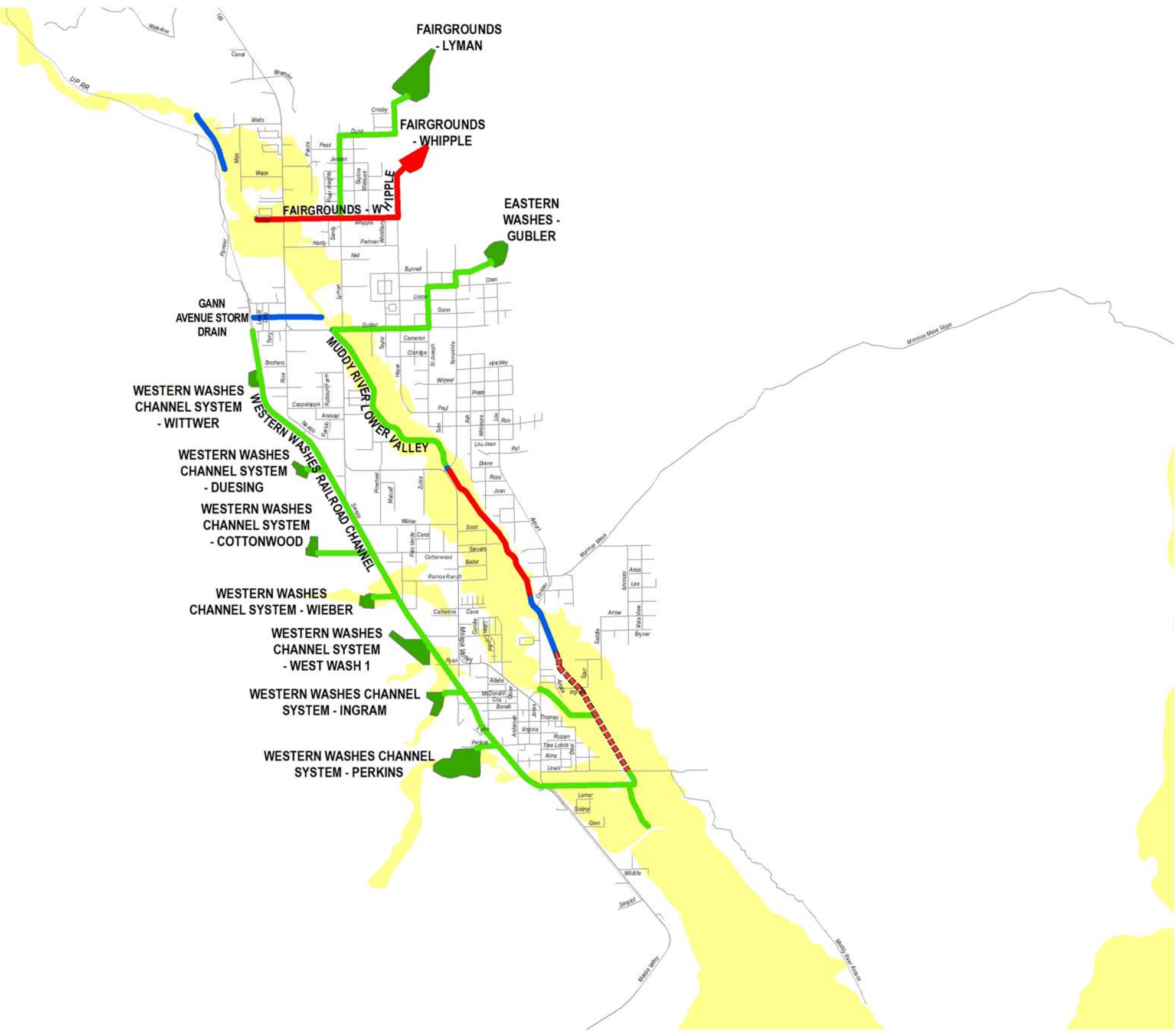
FLOOD INSURANCE (FIRM) INFORMATION:  
FEMA 2002 DIGITAL FIRM. NOT THE  
EFFECTIVE FIRM. ALL INFORMATION  
IS SUBJECT TO CHANGE. NO  
LIABILITY IS ASSUMED FOR THE  
ACCURACY OF THE DATA DELINEATED  
HEREON. ALL INQUIRIES INTO THE  
STATUS OF CLARK COUNTY REGIONAL  
FLOOD CONTROL DISTRICT FACILITIES  
SHOULD BE MADE TO THE DISTRICT  
OFFICE AT 600 S. GRAND CENTRAL PKWY,  
SUITE 300, LAS VEGAS, NEVADA 89105-4511.

May 2018





TEN-YEAR CONSTRUCTION PROGRAM  
MUDDY RIVER PLANNING AREA



**LEGEND**

**Conveyances**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**Detention Basins**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**100 Year Flood Zones**

- 100-Year Flood Zone



1 inch = 1.02 miles

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

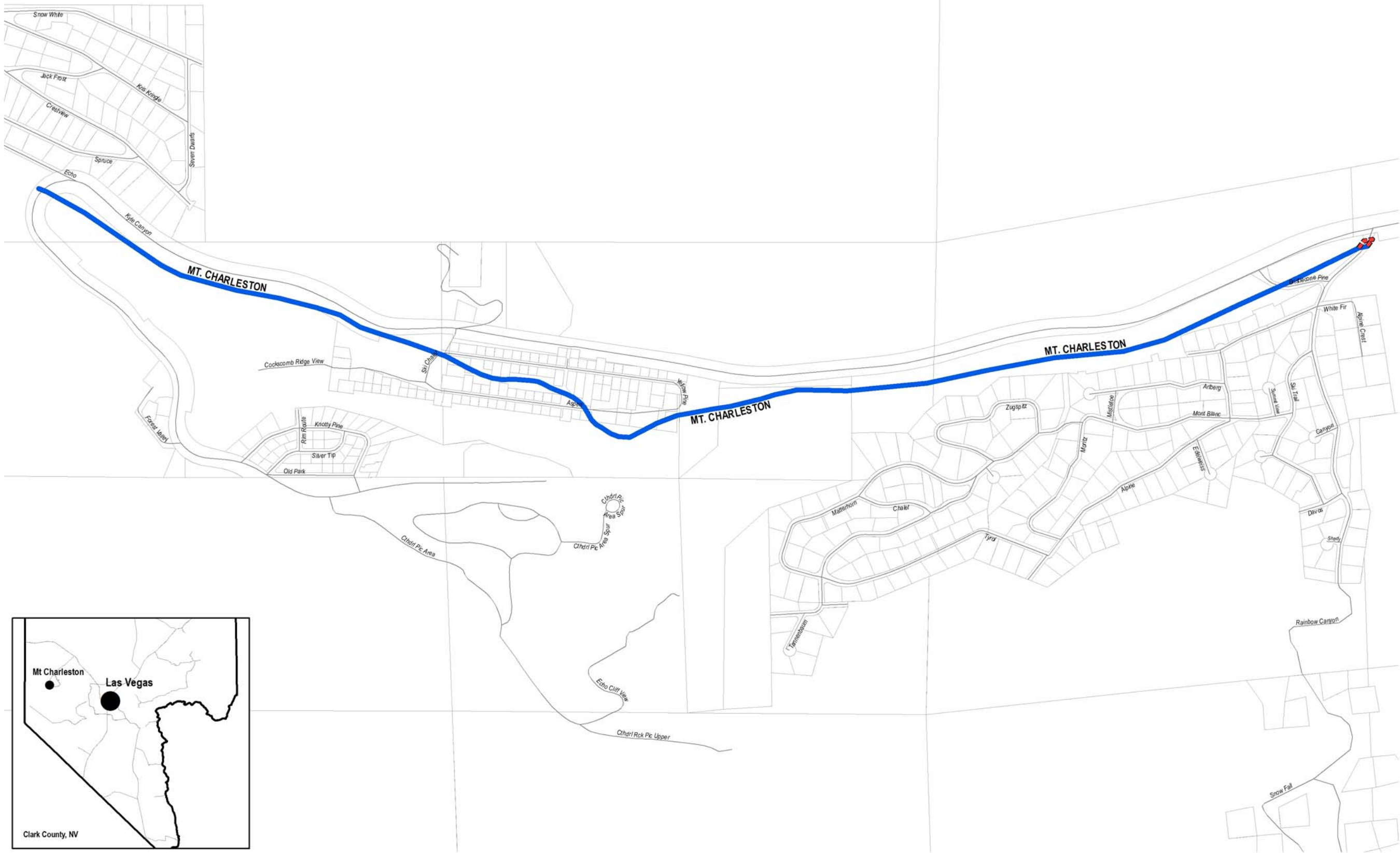
DATA SOURCES:  
CLARK COUNTY REGIONAL FLOOD  
CONTROL DISTRICT  
CLARK COUNTY GISMO  
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:  
FEMA 2002 DIGITAL FIRM, NOT THE  
EFFECTIVE FIRM. ALL INFORMATION  
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LIABILITY IS ASSUMED FOR THE  
ACCURACY OF THE DATA DELINEATED  
HEREON. ALL INQUIRIES INTO THE  
STATUS OF CLARK COUNTY REGIONAL  
FLOOD CONTROL DISTRICT FACILITIES  
SHOULD BE MADE TO THE DISTRICT  
OFFICE AT 600 S. GRAND CENTRAL PKWY,  
SUITE 300, LAS VEGAS, NEVADA 89106-4511.

May 2018



# TEN-YEAR CONSTRUCTION PROGRAM MT. CHARLESTON (OUTLYING) PLANNING AREA



**Legend**

**Conveyances**

**STATUS**

- Completed
- Under Construction
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**Detention Basins**

**STATUS**

- Completed
- Under Construction
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**100 Year Flood Zones**

- 100-Year Flood Zone



1 inch = 0.11 miles

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

DATA SOURCES:  
CLARK COUNTY REGIONAL FLOOD  
CONTROL DISTRICT  
CLARK COUNTY GISMO  
FEMA

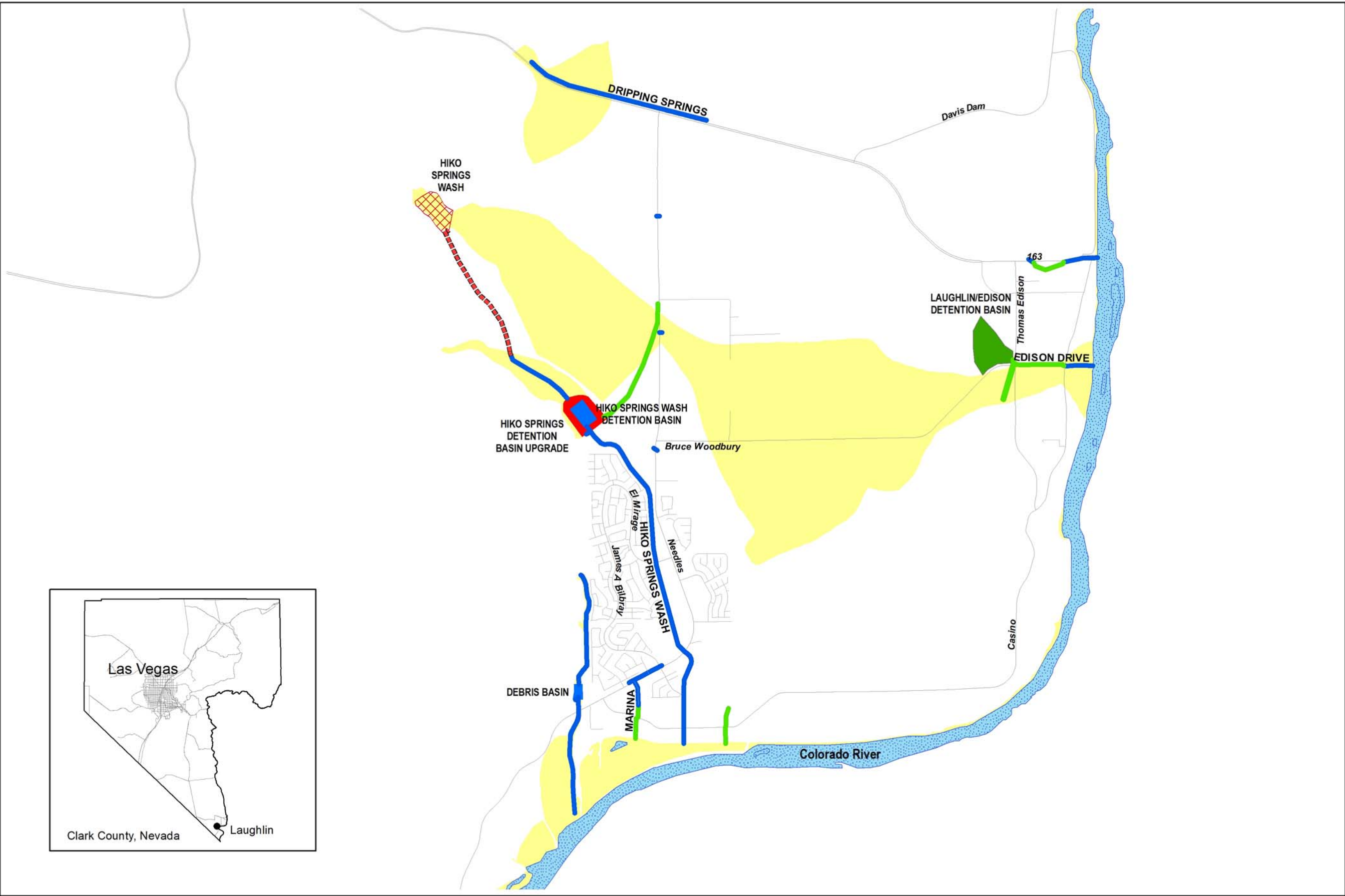
FLOOD INSURANCE (FIRM) INFORMATION:  
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EFFECTIVE FIRM. ALL INFORMATION  
IS SUBJECT TO CHANGE. NO  
LIABILITY IS ASSUMED FOR THE  
ACCURACY OF THE DATA DELINEATED  
HEREON. ALL INQUIRIES INTO THE  
STATUS OF CLARK COUNTY REGIONAL  
FLOOD CONTROL DISTRICT FACILITIES  
SHOULD BE MADE TO THE DISTRICT  
OFFICE AT 600 S. GRAND CENTRAL PKWY,  
SUITE 300, LAS VEGAS, NEVADA 89106-4511.

May 2018





# TEN-YEAR CONSTRUCTION PROGRAM LAUGHLIN PLANNING AREA



**LEGEND**

**Conveyances**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**Detention Basins**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**100 Year Flood Zones**

- 100-Year Flood Zone



1 inch = 0.7 miles

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ACCURACY OF THE DATA DELINEATED  
HEREON.

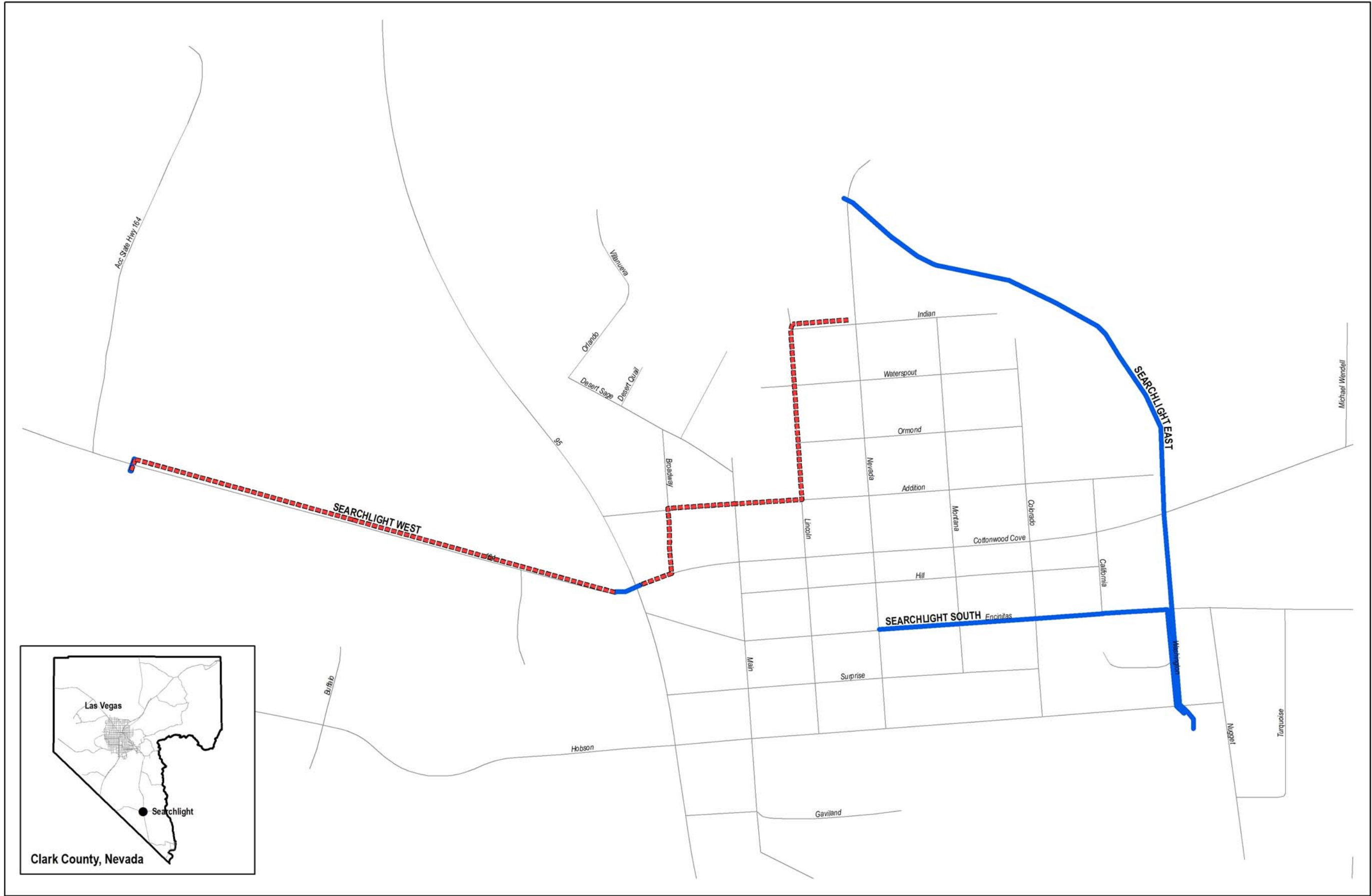
DATA SOURCES:  
CLARK COUNTY REGIONAL FLOOD  
CONTROL DISTRICT  
CLARK COUNTY GISMO  
FEMA

FLOOD INSURANCE FIRM INFORMATION:  
FEMA 2002 DIGITAL FIRM, NOT THE  
EFFECTIVE FIRM. ALL INFORMATION  
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ACCURACY OF THE DATA DELINEATED  
HEREON. ALL INQUIRIES INTO THE  
STATUS OF CLARK COUNTY REGIONAL  
FLOOD CONTROL DISTRICT FACILITIES  
SHOULD BE MADE TO THE DISTRICT  
OFFICE AT 600 S. GRAND CENTRAL PKWY,  
SUITE 300, LAS VEGAS, NEVADA 89106-4611.

May 2018



TEN-YEAR CONSTRUCTION PROGRAM  
SEARCHLIGHT PLANNING AREA



**LEGEND**

**Conveyances**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**Detention Basins**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**100 Year Flood Zones**

- 100-Year Flood Zone



1 inch = 0.1 miles

THIS MAP IS FOR GRAPHIC USE ONLY  
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ACCURACY OF THE DATA DELINEATED  
HEREON.

DATA SOURCES:  
CLARK COUNTY REGIONAL FLOOD  
CONTROL DISTRICT  
CLARK COUNTY GISMO  
FEMA

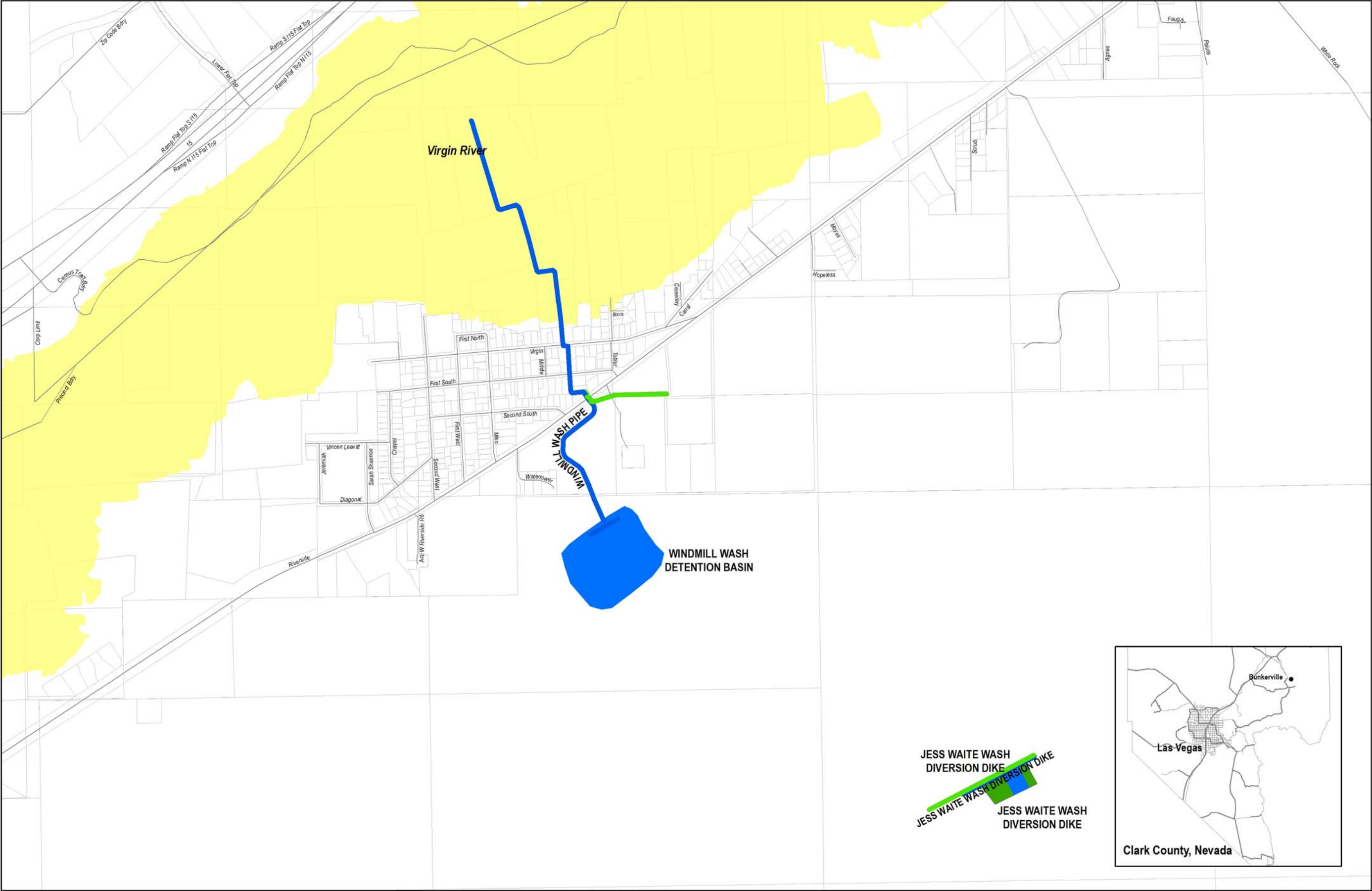
FLOOD INSURANCE (FIRM) INFORMATION:  
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EFFECTIVE FIRM. ALL INFORMATION  
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LIABILITY IS ASSUMED FOR THE  
ACCURACY OF THE DATA DELINEATED  
HEREON. ALL INQUIRIES INTO THE  
STATUS OF CLARK COUNTY REGIONAL  
FLOOD CONTROL DISTRICT FACILITIES  
SHOULD BE MADE TO THE DISTRICT  
OFFICE AT 600 S. GRAND CENTRAL PKWY,  
SUITE 300, LAS VEGAS, NEVADA 89106-4511.

May 2018





TEN-YEAR CONSTRUCTION PROGRAM  
BUNKERVILLE PLANNING AREA



**Legend**

**Conveyances**

**STATUS**

- Completed
- Under Construction
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**Detention Basins**

**STATUS**

- Completed
- Under Construction
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**100 Year Flood Zones**

- 100-Year Flood Zone



1 inch = 0.24 miles

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HEREON.

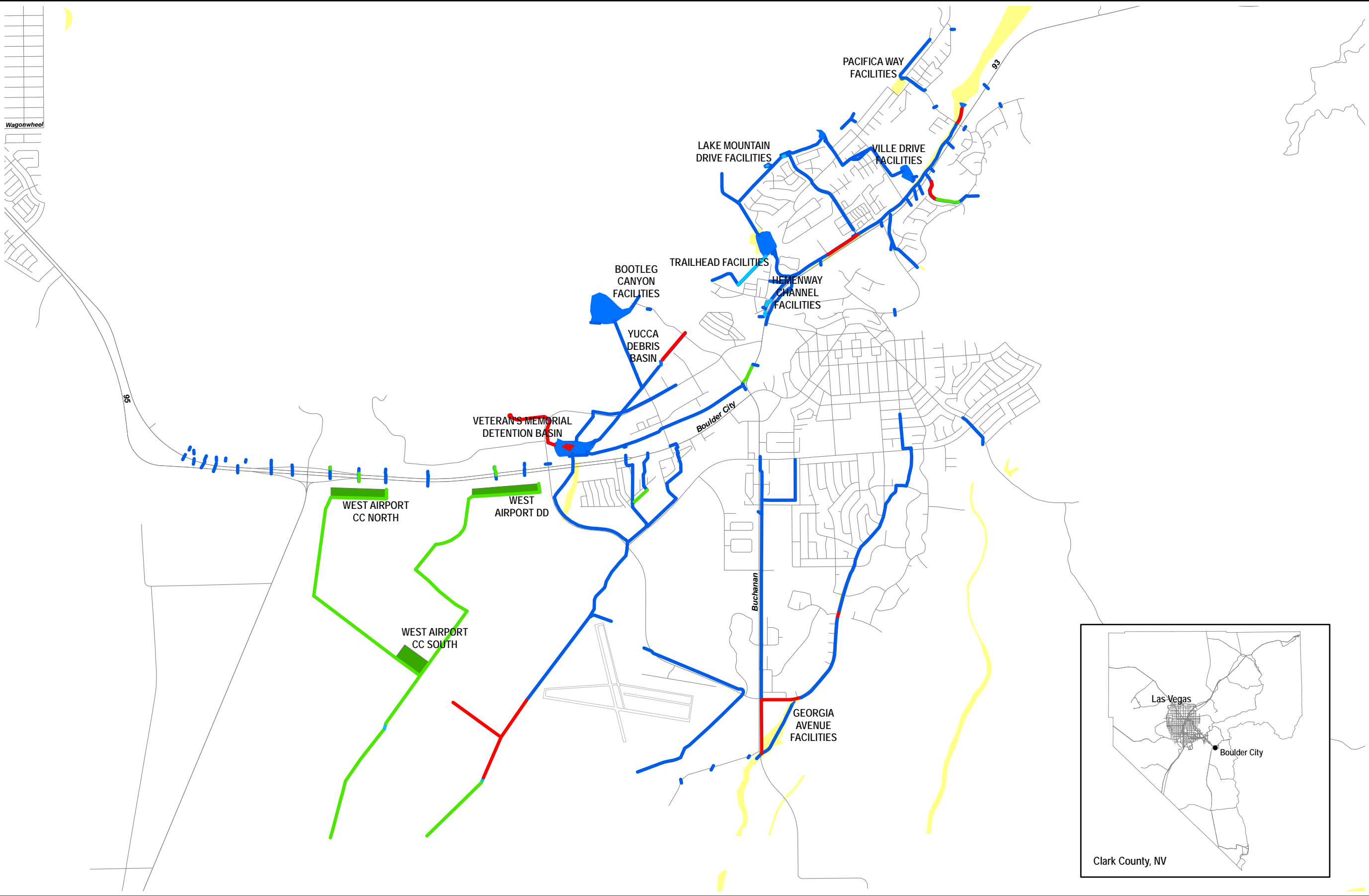
DATA SOURCES:  
CLARK COUNTY REGIONAL FLOOD  
CONTROL DISTRICT  
CLARK COUNTY GISMO  
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:  
FEMA 2002 DIGITAL FIRM. NOT THE  
EFFECTIVE FIRM. ALL INFORMATION  
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STATUS OF CLARK COUNTY REGIONAL  
FLOOD CONTROL DISTRICT FACILITIES  
SHOULD BE MADE TO THE DISTRICT  
OFFICE AT 600 S. GRAND CENTRAL PKWY,  
SUITE 300, LAS VEGAS, NEVADA 89106-4511.

May 2018



# TEN-YEAR CONSTRUCTION PROGRAM BOULDER CITY PLANNING AREA



**LEGEND**

**Conveyances**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**Detention Basins**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**100 Year Flood Zones**

- 100-Year Flood Zone



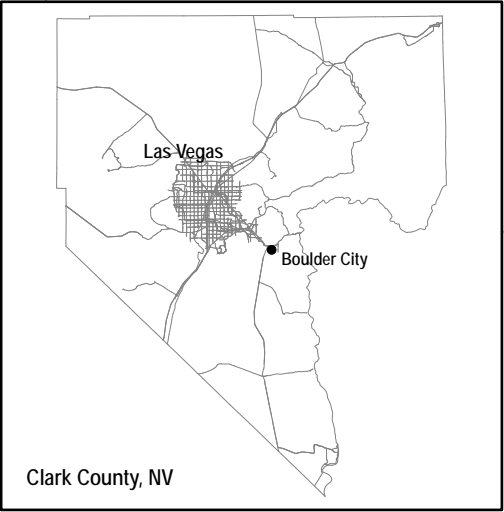
1 inch = 0.6 miles

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

DATA SOURCES:  
CLARK COUNTY REGIONAL FLOOD  
CONTROL DISTRICT  
CLARK COUNTY GISMO  
FEMA

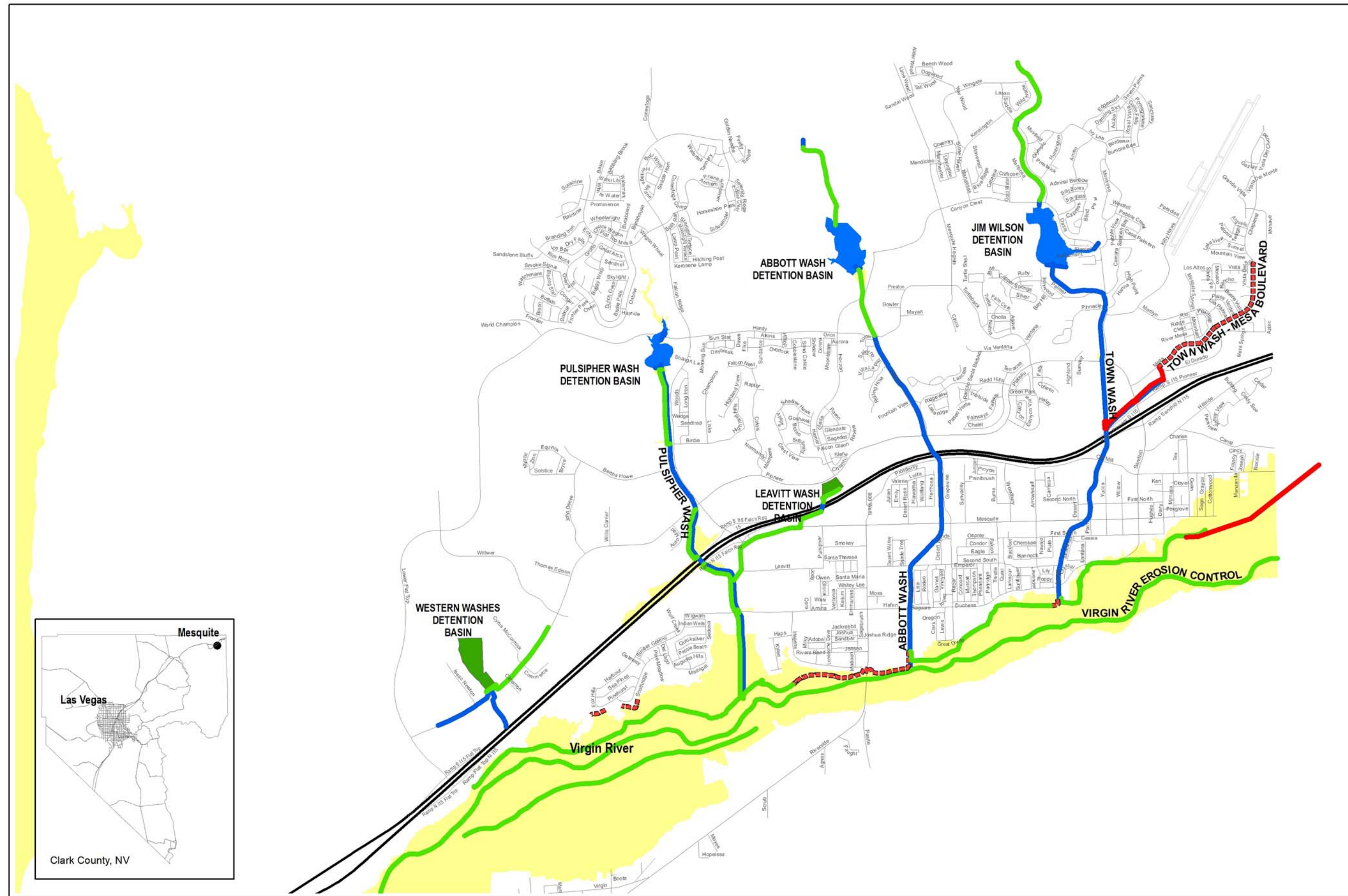
FLOOD INSURANCE (FIRM) INFORMATION:  
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EFFECTIVE FIRM. ALL INFORMATION  
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HEREON. ALL INQUIRIES INTO THE  
STATUS OF CLARK COUNTY REGIONAL  
FLOOD CONTROL DISTRICT FACILITIES  
SHOULD BE MADE TO THE DISTRICT  
OFFICE AT 400 S. GRAND CENTRAL PKWY,  
SUITE 300, LAS VEGAS, NEVADA 89106-4511.

May 2018





# TEN-YEAR CONSTRUCTION PROGRAM MESQUITE PLANNING AREA



**LEGEND**

**Conveyances**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**Detention Basins**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**100 Year Flood Zones**

- 100-Year Flood Zone



1 inch = 0.6 miles

THIS MAP IS FOR GRAPHIC USE ONLY  
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NO LIABILITY IS ASSUMED FOR THE  
ACCURACY OF THE DATA DELINEATED  
HEREON.

DATA SOURCES:  
CLARK COUNTY REGIONAL FLOOD  
CONTROL DISTRICT  
CLARK COUNTY GIS/MD  
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:  
FEMA 2002 DIGITAL FIRM. NOT THE  
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STATUS OF CLARK COUNTY REGIONAL  
FLOOD CONTROL DISTRICT FACILITIES  
SHOULD BE MADE TO THE DISTRICT  
OFFICE AT 600 S. GRAND CENTRAL PKWY,  
SUITE 300, LAS VEGAS, NEVADA 89106-4511.

May 2018

